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A CORNER OF OLD DELHI

**THE COINAGE
AND METROLOGY
OF THE
SULTĀNS OF DEHLĪ**

**INCORPORATING A CATALOGUE OF
THE COINS IN THE AUTHOR'S CABINET
NOW IN THE DEHLĪ MUSEUM**

**BY
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F.R.N.S., I.C.S. (Retd.)**

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PREFACE

THE nucleus of this Catalogue is a collection formed by the author in the United Provinces of Agra and Oudh between the years 1894 and 1924. It seemed fitting that the coins should find a permanent home in Dehli, of whose Sultāns they are a numismatic record. An offer was accordingly made and accepted. The gold and silver coins (58 *ʾ*—228 *ʾ*) were acquired by the Director-General of Archaeology in India for the Dehli Museum. The billon and copper coins (over 1,200) were presented on the understanding that the collection should be preserved intact; and a printed catalogue of it published on the lines of the coin catalogues issued by the principal museums in India. This I undertook to prepare.

It subsequently seemed desirable to take the opportunity to extend the scope of the Catalogue and make it a 'corpus' of the coins of the Sultāns of Dehli. Sixty-five years have elapsed since the publication in 1871 of *The Chronicles of the Pathān kings of Dehli* by that distinguished scholar and pioneer of Indian numismatics Edward Thomas of the Bengal Civil Service. Though Thomas had, in 1847, written a small volume *On the Coins of the Patan Sultans of Hindustan*, followed by a supplementary contribution in 1852, the publication of *The Chronicles* has always been regarded as the starting-point for the study of the coins of the Sultāns of Dehli. It describes some 320 coins of those Sultāns.¹ The British Museum in 1884 possessed 642 coins of that series.² The Catalogue of the Indian Museum cum Asiatic Society of Bengal Collection, published in 1907, recorded 899 coins, and in 1925 the Lucknow Provincial Museum issued a catalogue describing 1,045 coins of the Sultāns. In the present volume, over and above the author's collection of 1,483 coins, more than 500 other types and varieties have been

¹ Excluding the contemporary coinage in other parts of India.

² *Catalogue of Indian Coins in the British Museum*, 'The Sultāns of Dehli', published in 1884.

catalogued. It will thus be seen that the material for the study of this series has increased very considerably since 1871. But this material has never been collated, with the result that the student has had to search for information through various catalogues, journals of Societies, and other stray publications, not always readily available. The time was therefore ripe for a comprehensive catalogue or corpus of the series. My suggestion to that effect was approved, and the present volume is the result. The publication was unavoidably postponed for two and a half years in 1931.

Endeavour has been made to incorporate in it not only all the recorded coins of the Sultāns of Dehli, but also unpublished coins in private collections to which it was possible to get access. But the author does not presume to think that any approach to completion or finality has been reached. There are many apparent gaps, and these will doubtless be filled in the course of time, while, as in all branches of numismatics, new and unexpected varieties and types will continue to come to light. The very prevalent habit of burying treasure and the reverence for and disinclination to melt down old coins shown by Indians are a continuous source of fresh discoveries.

In order that this volume may also be a catalogue of the nucleus collection, as primarily intended, the serial numbers 1 to 1483 are applied solely to that collection, and these are further indicated by the heavier type used under 'dates observed'. Coins of types and varieties not represented in the nucleus collection are recorded in their appropriate places under subsidiary numbers 1 A, 1 B, 1 C, &c.

In the arrangement, coins of the Dehli mint have generally been given precedence over those of other mints, since, till we come to the Sūris, there were but few mint towns outside the capital. Otherwise, the order suggested by the Persian alphabet has been followed. But in the reign of Muḥammad Tughluq it has been thought preferable to follow precedent and classify the coins under types, arranged, so far as possible, chronologically rather than under mints.

The side of the coin on which either the Kalima (e.g. no. 1), or a quotation from the Qur'an (e.g. no. 574), or the name of

the Caliph (e.g. no. 161) appears, or on which the inscription obviously begins (e.g. no. 599) has been treated as the 'obverse'. Otherwise the 'obverse' is the side occupied by the name of the Sultān by whom the coin was issued.

The system of transliteration used in volume II of the *Indian Museum Catalogue* (1907) has been followed, but the rendering of certain proper names in that volume has been altered to conform with the more accurate renderings in the *Cambridge History of India*, vol. III—e.g. Yalduz becomes Yildiz; Altamsh becomes Īltutmish, and so on. I am, however, unable to follow the Cambridge History in giving *tangah* as the designation of the principal coin in the Dehli series—the *tankah*. *Tangah* is Mongol and represented 'a small silver coin which formed the main currency of the Mongol world from the end of the fourteenth; to the beginning of the sixteenth, century',¹ weighing from 20 to 35 grains. *Tankah* is Indian from the Sanskrit *ṭanka* = 'a weight of silver'. We find the word टङ्क (*ṭankam*) used as the Sanskrit transliteration of *dirham* in the inscription on Maḥmūd of Ghazni's silver coin struck at Maḥmūdpur (Lāhor) in A.H. 418 (A.D. 1027).² I have also preferred *Ghazni* to *Ghazni* in view of the rendering of that name on the coins themselves.

No attempt has been made to deal with the history of the Sultāns except in so far as it has some direct bearing on the coinage. The recent publication of vol. III of the *Cambridge History of India*, which covers the period from Muḥammad bin Sam to the end of the Lodi dynasty, has rendered this superfluous. Sher Shāh Sūr has had his own biographer.³

My objective has been rather to examine and elucidate, as far as I am able, the metrology of the Dehli series, and to evolve some sort of order out of the chaos caused by the extensive use of alloy in the coinage. This metrology is largely the story of the *tankah* and the *jītal*.

The introduction by Īltutmish of the silver coin of 96 *ratīs* in weight, which was known as a *tankah*;⁴ its first debasement

¹ *Encyclopædia of Islām*, Fasc. K, 1929.

² Thomas's *Chronicles*, pp. 47, 48.

³ *Sher Shāh* by Prof. Kalikāranjan Qānūngō, Calcutta, 1921.

⁴ The ancient Indian *tankah* weighed 4 *māshas*, then equal to 8 *ratīs* of silver.

by Muḥammad Tughluq; its gradual further decline thereafter till under Sikandar Lodī it contained but a few grains of silver, its supersession by the *rūpiya* (rupee);¹ and its final relegation to the ranks of the copper currency by Akbar:—

The arrival of the *ḡital*² in the seventh century of the Hijra era as a billon forty-eighth part of the silver *tankah*, equivalent to some 288 grains of copper; its subsequent fall in value along with the *tankah*, followed by its disappearance as a coin; and its retention under Akbar as an account value representing $\frac{1}{25}$ th of his copper *dām* or $\frac{1}{1000}$ th of his rupee:—

These and cognate subjects are discussed in the notes which follow each dynasty in the body of the Catalogue. The series markedly exemplifies the familiar principle, known as Gresham's Law, that bad money has a tendency to drive the good out of circulation. From the time when Muḥammad Tughluq debased the *tankah* there was, to judge by recorded coins, a progressive shrinkage in the silver issues till Sher Shāh undertook the reform of the currency. This shrinkage was doubtless accentuated by the poverty of the imperial treasury in the ninth century (Hijra).

The numerous coins that lapse of time and private zeal have brought to light in the past sixty-five years have made it necessary to revise rather drastically many of the theories which Thomas advanced and which have been followed in subsequent publications without criticism, but which with our present knowledge and material cannot be supported. Thomas was inclined to view the metrological problems of Dehli through post-Vedic spectacles,³ and to make insufficient allowance for the individuality and initiative of the foreign invader. There The gold coin of 96 *ratīs*, also called a *tankah*, did not appear till some years after the silver coin of Iltutmish (in the reign of Mas'ūd Shāh), if we except a solitary medallion issue of Muḥammad bin Sām (no. 3A). When the name *tankah* had lost its prestige through the debasement of the silver coin, the gold *tankah* became known as an *ashrafī*—a name that recalls the English 'noble'.

¹ This name meaning 'of beautiful form', 'wrought silver', emphasizes the change from the alloyed or 'black' *tankah*. Silver coins were known as '*rūpya rūpa*' as early as the fourth century A.D. (Kaṭīlyā's *Arthasāstra*).

² The name was possibly taken from a small copper coin current on the North-West frontier (see Appendix A). The *ḡital* seems to have been the successor of the *Dehliwālā*—but a coin of less value though of the same weight.

³ See also Appendix A, especially pp. 393, 395.

can be little doubt that the currency scheme which Īltutmish introduced—though it found a place, as a definite subdivision of the *tankah*, for the indigenous billon pieces of *purāna* weight (32 *ratīs*)—was mainly independent, at any rate in the silver issues, of any earlier monetary system.¹ Thomas's *dictum* of 'an all-pervading' quaternary scale with its 'inevitable 4's, 16's, 32's, and 64's'² must be definitely modified, for the coins show that in the new scale 4's and 3's were impartially represented in the subdivision of a *tankah* of 96 *ratīs* (48 *jīṭals*).

In June, 1925, a paper entitled 'Some observations on the metrology of the early Sultāns of Dehli' by Mr. H. R. Nevill, L.C.S., and myself appeared in the thirty-eighth Numismatic Supplement of the *Journal of the Asiatic Society of Bengal*, and by the courtesy of the Society I am enabled to reproduce the article (no. 248) in this volume (Appendix A). Subsequent investigation has tended to confirm the major points of the arguments there set out. In the present volume the metrological examination has been extended to the later Sultāns.

A characteristic feature of the pre-Sūrī coinage of this series is the extensive use of *billon*—an alloy of silver and bronze. The employment of mixed metal in the currency was traditional in India, and my attention has been drawn to a passage in Kautilya's *Arthaśāstra* of the fourth century A.D. in which the use of alloy in silver coins is definitely required.³ When the Muḥammadan conquerors came to India they found a local coinage consisting, apart from the gold issues, almost entirely of mixed metal pieces, and the practice was incorporated by them in their own currency, notably in the time of the Tughluqs. It was extended by successive Sultāns. This custom—in the absence of any but rather meagre information from contemporary records—presents great difficulties in the determination of values. It is this determination that is here attempted.

¹ In gold we have only his two very rare (perhaps medallie) gold pieces (nos. 49 r and 6) which approximate in weight to, and seem to be adaptations of, the Qanaujia issues of Muḥammad bin Sām (nos. 4 and 5). ² *Chronicles*, p. 4.

³ 'The Superintendent of the Mint shall carry on the manufacture of silver coins (rūpya rūpa) made up of 4 parts of copper and 1/4th part (*māsha*) of any one of the metals *tikṣhna*, *trapu*, *śiṣa*, and *aṅjana*.' Cf. Kautilya's *Arthaśāstra* by R. Shamashastri, Government Press, Bangalore, 1915, p. 98.

I have derived very material assistance in this connexion from assays made (through the courtesy of the Deputy Master of the Mint) by Dr. S. W. Smith, C.B.E., Chief Assayer to the Royal Mint and by Dr. H. J. Plenderleith of the British Museum laboratory. The results of these assays are set out in Appendices BI and BII on pp. 403 to 412 of this volume. Thanks to them we are in a position to know the silver content of over 300 coins of the commoner billon types.

The importance of assay in the study of the Dehli series cannot be exaggerated. I realize that the analysis of only a few specimens of a type may be thought scarcely a sufficient basis by itself for any definite conclusion as to the value of that type, but when, as in this case, the assays disclose a consistency of silver content in the examples analysed combined with a continuity in composition through successive reigns, we may be permitted to regard them as something more than a mere indication of the correctness of the conclusions which we have sought to glean from them. It is indeed mainly to further assay that we must look for the development of knowledge and interest in the Dehli series. Future histories of the period are not likely to throw much more light on its currencies. The filling of the gaps to which I have alluded may or may not yield fresh metrological evidence. But in analysis the material already lying to hand in the numerous duplicates of all but a few types and varieties is both promising and abundant.

ACKNOWLEDGEMENT

No one can embark on a study of the coins of the Sultāns of Dehli without being conscious of the great debt that he owes to Edward Thomas, the distinguished author of *The Chronicles of the Pathān Kings of Dehli*. The fact that subsequent discovery of coins, unknown to and unsuspected by him, makes it impossible to accept many of his conclusions on the metrology of the series, cannot detract from the credit of his achievement. To Edward Thomas, then, I desire to record my respectful acknowledgement.

With him I would associate Chas. J. Rodgers of Amritsar, author of various catalogues and miscellaneous publications supplementary to Thomas's *Chronicles*. To him, moreover, I owe a personal tribute of gratitude in that it was under his tutelage that I embarked on my study of Muḥammadan Indian numismatics.

To Sir George Hill and the Staff of the Coins and Medals Department of the British Museum, and in particular to Mr. John Allan, the present Keeper, I am under great obligation. The permission to keep the coins of the nucleus collection in the Coin Room, the generous facilities given for obtaining casts of coins in the British Museum Cabinet (Plates XX and XXI), the constant and ungrudging assistance given to me by Mr. Allan, and the invariable courtesy that I have received during the preparation of this volume, have greatly facilitated my work. To Mr. J. Walker, Mr. Allan's successor in charge of the Oriental coins, I am grateful for guidance in Arabic difficulties.

For his continuous interest and help my thanks are specially due to Mr. R. B. Whitehead, I.C.S., retd. His visits to the museums of New York and Berlin have, as will be seen from the plates, resulted in my locating and obtaining casts of numerous rare and unique coins.

For those casts and other assistance I desire to record my acknowledgements to Herr Direktor Regeling of the Kaiser-Friedrich Museum, Berlin; Mr. Howland Wood, Curator of the Cabinet of the American Numismatic Society, New York; Khān Bahādur Zafar Husen and M. Ashfāq Ali of the Archaeological Department in India; Sir Richard Burn, C.S.I.; Mr. Philip Thorburn; and Rai Bahādur Prayāg Dayāl, Curator of the Provincial Museum, Lucknow. Nor can I omit to mention the admirable manuscript catalogue compiled by Mr. H. R. Nevill, I.C.S., retd., of his own fine collection, which I have freely consulted. I am glad to think that that collection is also now in the Dehli Museum.

The printing has been done by the University Press, Oxford, with its accustomed skill and care, of which the author wishes to express his warm appreciation.

The illustrations have been collotyped by Messrs. McLagan and Cumming from casts made, in the case of the nucleus collection and most of the British Museum coins, by the late Mr. Ready of the British Museum Staff, whose exceptional skill has enriched so many numismatic catalogues; in other cases from casts received from the museums concerned.

Finally my thanks are due to Mr. Blakiston and other Directors General of Archaeology in India for the interest they have taken and to the Government of India for the generous provision of funds for the publication of this volume.

When the Numismatic Society of India was constituted at a meeting in Allahabad in December 1910, one of its objects was stated to be 'the preparation of a corpus of the coins of the Sultāns of Dehli'. This aim has now—*longo intervallo*—materialized. It seems fitting, therefore, that these pages should be dedicated to that Society, and at the same time a hope expressed that its services to the study of Indian numismatics may continue to be as effective in the future as they have been during the first twenty-five years of its existence just completed.

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TABLE SHOWING
THE METHOD OF TRANSLITERATION ADOPTED
IN THIS
CATALOGUE

أ	a	ظ	z
ب	b	ع	'
پ	p	غ	gh
ت	t	ف	f
ث	ṭ	ق	q
ج	j	ك	k
چ	ch	گ	g
ح	h	ل	l
خ	kh	م	m
د	d	ن	n
ذ	z	ه	h
ر	r	و	w
ز	z	ی	y
س	s	اَ	ā
ش	sh	اِ	ī
ص	s	اُ	ū, o
ض	z	ای	ai, e
ط	ṭ	او	au

ABBREVIATIONS

A.H. . . .	Hijra era.
A.N.S. . . .	The American Numismatic Society, New York.
A.S.B. . . .	Asiatic Society of Bengal.
B	Billon (silver and bronze).
Berlin	The Kaiser Friedrich Museum, Berlin.
Bl.	Cabinet of George Bleazby, Esq., now in the British Museum.
B.M.	British Museum.
B.M.C. . . .	<i>Catalogue of Indian Coins in the British Museum—Sultans of Dehli</i> , 1884.
Bod.	Bodleian Library Collection, now in the Ashmolean Museum, Oxford.
B.S.O.S. . . .	<i>Bulletin of the School of Oriental Studies</i> .
C.H.I.	<i>The Cambridge History of India</i> , vol. iii, 1928.
Chron., Chronicles	<i>Chronicles of the Pathân Kings of Dehli</i> , by Edward Thomas.
Cun.	From the Cabinet of General Cunningham.
Cun. C.M.I. . .	<i>Coins of Mediæval India</i> , by General Cunningham, 1894.
D.M.	Dehli Museum.
E.D.	<i>History of India by its own historians</i> , Elliot and Dowson, vols. i-viii, 1867-1877, Trübner & Co., London.
F.M. Camb. . .	Fitzwilliam Museum, Cambridge.
H.	Hijra era.
H.R.N.	Cabinet of H. R. Nevill, Esq., I.C.S. retd., now in the Dehli Museum.
I.C.B.	See Thomas, <i>I.C.B.</i>
I.M.C.	<i>Catalogue of the Coins in the Indian Museum, Calcutta</i> , vol. ii, 1907.
J.A.S.B.	<i>Journal of the Asiatic Society of Bengal</i> .
J.B.O.R.S. . . .	<i>Journal of the Bihâr and Orissa Research Society</i> .
J.R.A.S.	<i>Journal of the Royal Asiatic Society</i> .
K.	Dr. L. White King.
Lahor	<i>Catalogue of the Coins in the Government Museum, Lahor</i> , by C. J. Rodgers, 1891.
L.M.C.	<i>Lucknow Museum, Catalogue of Coins of the Sultans of Dehli</i> , by Prayâg Dayâl, 1925.

ABBREVIATIONS

L.W.K.	.	.	<i>Sale Catalogue (Schulman-Amsterdam) of the Coins of Dr. L. White King, Pt. III, 1905.</i>
M.	}	.	Mint-mark, ornament, or monogram.
m.m.		.	
N.C.	.	.	<i>The Numismatic Chronicle and Journal of the Royal Numismatic Society, London.</i>
N.S.	.	.	<i>Numismatic Supplement to the Journal of the Asiatic Society of Bengal.</i>
N.S.I.	.	.	The Numismatic Society of India.
Pl.	.	.	Plate.
P.T.	.	.	Cabinet of Philip Thorburn, Esq.
R. I-VI.	.	.	'Coins supplementary to Thomas's <i>Chronicles of the Pathān Kings</i> ', by C. J. Rodgers (<i>J.A.S.B.</i>).
R.B.	.	.	Cabinet of Sir R. Burn, C.S.I., I.C.S. retd.
R.B.W.	.	.	Collection of R. B. Whitehead, Esq., now in the British Museum.
R. (G.M.)	.	.	See Lāhor.
R. (Lāhor)	.	.	<i>Catalogue of the Coins collected by Chas. J. Rodgers in the Lāhor Museum, Pt. I, Suri and Mughal, 1893 ; Part II, Misc. Muhammadan Coins, 1894.</i>
R.M.A.	.	.	Cabinet of Pandit Rati Lal M. Antani.
R.P.J.	.	.	Cabinet of Major R. P. Jackson (now in America).
S.	.	.	Size of coin.
Sq.	.	.	Square.
T.B.H.	.	.	Cabinet of T. B. Horwood, Esq., I.C.S.
Th.	}		<i>Chronicles of the Pathān Kings of Dehli</i> , by Edward Thomas, B.C.S., 1871.
Thomas			
Thos.			
Thos. (<i>Chron.</i>)			
Th.	}	I.C.B.	<i>The Initial Coinage of Bengal</i> , by Edward Thomas, Pt. I, <i>J.R.A.S.</i> , vol. ii, p. 1 ; Pt. II, Trübner & Co., 1878.
Thomas			
Vienna	.	.	The Bundes-Sammlung von Münzen, Vienna.
Vincent-Smith	.	.	<i>Oxford History of India</i> , 1920.
W.E.M.C.	.	.	Cabinet of the late W. E. M. Campbell, Esq., I.C.S.
Wh.	.	.	<i>The Coins of Muhammad bin Tughluq</i> , by Major H. M. Whittell, N.S., xxxv, 220.
W. K.	.	.	See L. W. K.
Wt.	.	.	Weight.

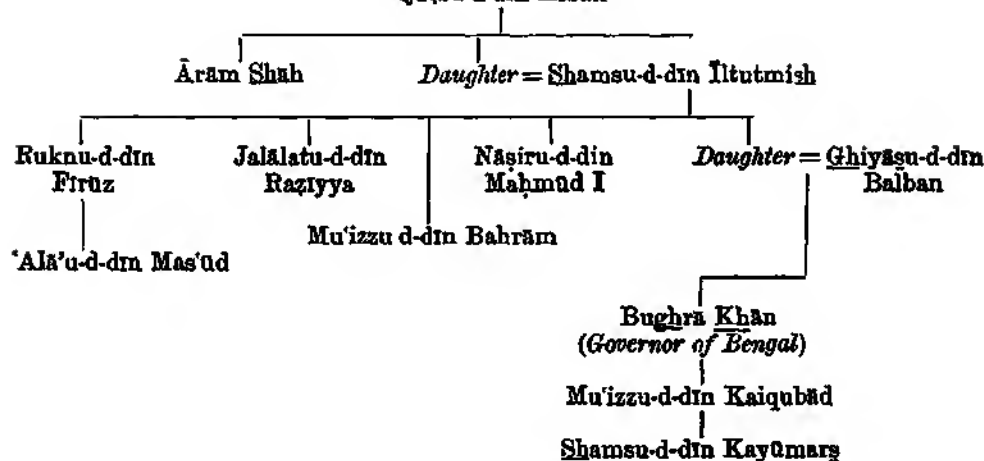
Note.—Where dates are given in black type, the coins are in the Dehli Cabinet

GENEALOGICAL TREES OF THE SULTĀNS OF DEHLĪ

FIRST DYNASTY

Mu'izzu-d-dīn Muḥammad I ibn Sam

Quṭbu-d-dīn Aibak



SECOND DYNASTY

Jalālu-d-dīn Firūz II *Khalji*

Brother of Firūz II

Ruknu-d-dīn Ibrāhīm I

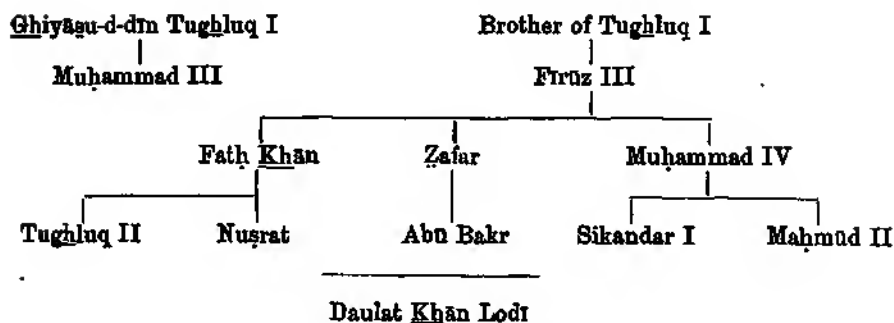
'Alā'u-d-dīn Muḥammad II

Shihābu-d-dīn 'Umar

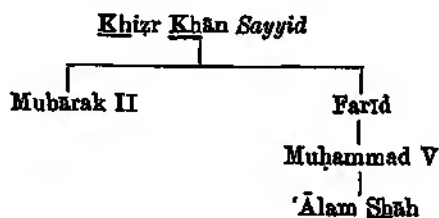
Quṭbu-d-dīn Mubārak I

Nāsiru-d-dīn Khusrū (*wasir of Mubārak I*)

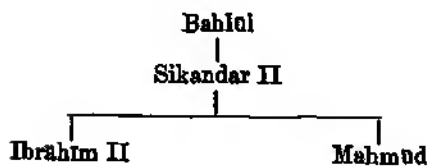
THIRD DYNASTY



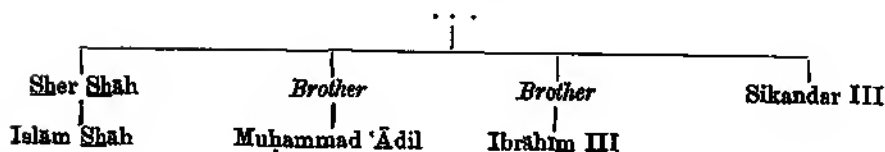
FOURTH DYNASTY



FIFTH DYNASTY



SIXTH DYNASTY



ADDENDA AND CORRIGENDA

PAGE 83, CAT. No. 134. Some coins (R. B.) have m.m. 3 or m.m. 96 after دهلی on the reverse. See pp. 418 and 420.

PAGE 60, CAT. No. 248. M.ms. 3 and 96 occur on the obverse of some specimens (R. B.).

PAGE 62, CAT. No. 255, 255 A. In the April number 1935 of *Islamic Culture* (Hyderabad, Deccan) is a valuable paper by Professor E. E. Speight of the Osmania University on 'The Coins of the Bahmani Kingdom of the Deccan'. Nos. 81 and 83 of the Catalogue are shown as

Ghiyāsu-d-dīn Tughluq

Obv.

Rev.

عدل غیانی

بقلعہ دیوگیر

These are very similar in execution and weight to Nos. 255 and 255 A of this Catalogue, which have hitherto been regarded as coins of Ghiyāsu-d-dīn Balban. There can be no question that Prof. Speight's coins are properly assigned, as Deogir was not in the possession of the Dehli Sultāns in the reign of Balban.¹ It is therefore highly probable that Nos. 255 and 255 A of this Catalogue should also be assigned to Tughluq and not to Balban. The mint Sultānpūr would then be Warangal, captured by Ulugh Khān (Muḥammad bin Tughluq) in A.D. 1323 = A.H. 723, and renamed Sultānpūr.² Fakhraḥād must also presumably be looked for in the Deccan.

PAGE 87, CAT. No. 801 A. Insert 'Dehli' in col. 2.

PAGE 88, CAT. No. 805. The British Museum has since acquired a coin of A.H. 707, and there was another specimen of that date in the Da Cunha collection.

PAGE 104, CAT. No. 426. R. B. has a specimen weighing only 45.3 grains.

PAGE 118, CAT. No. 482. The Da Cunha collection included a coin of A.H. 727, wt. 197.2 grains.

PAGE 142, CAT. No. 593 A. In *Islamic Culture*, 1935, p. 287 (Pl. I. 41) Professor Speight publishes a coin of A.H. 730, adding دار الملك in the margin.

PAGE 143, CAT. No. 597. اطيعوا should be اطيعوا.

PAGE 155, LINE 7. For Telingāna read Tilangāna.

¹ Deogir was first taken by 'Alā'u-d-dīn (Muḥammad II) in A.D. 1294 = A.H. 694/5, vide *O.R.I.*, vol. iii, p. 96.

² This mint must not be confused with Balban's mint of Sultānpūr. See No. 248 of this Catalogue.

PAGE 187, CAT. No. 745 B. The last line of the reverse may read جل الله
تعالی.

PAGE 201, CAT. No. 805. The Da Cunha collection had a coin of A.H. 831.

PAGE 256. See R. IV. 18-14 for Kangra coins (Æ) with the obverse
legend سکندر ابراهیم, showing Lodi suzerainty in Kangra.

PAGE 263, CAT. No. 1030 D. For m.m. 34 read m.m. 65.

PAGES 269, 270, 386, CAT. Nos. 1040 A, 1040 B. In *Islamic Culture* 1986
(January) Mr. N. K. Bhattasali, Curator of the Dacca Museum, has an
interesting paper on 'the date of Sher Shāh's accession'. In it he has
arrived independently, but for the same reason, at the conclusion suggested
on p. 386 of this volume. He has also described and figured three other
rupees of Sher Shāh of A.H. 945, which differ in type from 1040 A and B, and
are without mint name. Mr. Bhattasali places the coronation of Sher Shāh
in the 'fortnight between the end of June and the middle of July 1538,
i.e. about the middle of Šafar, the second month of A.H. 945.'

PAGE 282, CAT. No. 1075. Add Pl. XIII.

PAGE 282, CAT. No. 1077. For m.m. 34 read m.m. 65.

PAGE 287, CAT. No. 1092. Add Pl. XIII.

SUPPLEMENTARY ADDENDA AND CORRIGENDA

PAGE xix, under CAT. No. 255 add: The weights of Professor Speight's coins of Deogir are 35 and 38 grains. He also has an interesting عدل of the Sultanpur mint of Muhammad II weighing 60 grains and inscribed

Obv.	Rev.
عدل	نصرت
محمد شاه	سلطانپور

PAGE xix, Line 22. For 805 read 305 A.

PAGE 55, No. 225 B. For المستم read المسعوم.

PAGE 88, add note to 805: The British Museum has a coin with similar Obverse and Reverse (Coll. R. B. W.) weighing 82 grains (i.e. half-tankah weight), but its genuineness is doubtful.

PAGE 91, No. 321. For نعلع read نعلع.

" Note to 323: A third specimen is in the British Museum (Coll. R. B. W.).

PAGE 95, Note to 362: A coin of this description but weighing 90 grains is in the British Museum (Coll. R. B. W.).

PAGE 96, No. 367. For v14 read v15.

PAGE 101, add:

408 A	--	↑	Obv.	Rev.
			In circle	In circle
			الامام الاعظم	سارکشاہ
			قطب الدعا	السلطان
			والدين	

Wt. 55.

Ref. B.M.

Pl. XX.

PAGE 116, No. 475. On a coin of this type in the British Museum the unit of the date is clearly ١٥ (15).

PAGE 157, Line 15. For 475 read 476

" " 25. For 475 A read 476 A.

" " 27. For 476 read 475

" " 35. For 475 B read 476 B

" " 36. For 475 read 476.

PAGE 158, Line 15. *For 475 B read 476 B.*

PAGE 159, Line 29. *For 486 A read 488 A.*

.. " 36. *For 486 C read 486 B.*

.. " 38. *For 485 A read 486 A.*

PAGE 161, Line 3. *For 476 A read 476 C.*

PAGE 173, No. 650 B. }

.. 186, .. 745. } *For المعتمد read المحتشد.*

.. " .. 746. }

PAGE 182, add to foot-note : H. R. N. had a very perfect specimen weighing 18 grains.

PAGE 214 (NUŞRAT SHĀH). *For 779 read 797.*

**THE COINAGE AND METROLOGY
OF THE SULTĀNS OF DEHLĪ**

SULTANS OF DEHLI

TURKS

	A.H.	A.D.
I. Muḥammad I bin Sām	589	1193
II. Quṭbu-d-dīn Aibak	602	1206
III. Ārām Shāh	607	1210
IV. Shamsu-d-dīn Īltutmish	607	1210
V. Ruknu-d-dīn Firūz I	633	1235
VI. Jalālatu-d-dīn Bazīyya	634	1236
VII. Mu'izzu-d-dīn Bahrām	637	1240
VIII. 'Alāu-d-dīn Mas'ūd	639	1242
IX. Nāṣiru-d-dīn Maḥmūd I	644	1246
X. Ghiyāṣu-d-dīn Balban	664	1266
XI. Mu'izzu-d-dīn Kaiqubād	686	1287
XII. Shamsu-d-dīn Kayūmarā	689	1290

KHALJIS

XIII. Jalālu-d-dīn Firūz II	689	1290
XIV. Ruknu-d-dīn Ibrāhīm I	695	1296
XV. 'Alāu-d-dīn Muḥammad II	695	1296
XVI. Shihābu-d-dīn 'Umar	715	1316
XVII. Quṭbu-d-dīn Mubārak	716	1316
<i>Shamsu-d-dīn Maḥmūd Pretender</i>	718	1318
XVIII. Nāṣiru-d-dīn Khusrū	720	1320

TUGHLUQS

XIX. Ghiyāṣu-d-dīn Tughluq I	720	1320
XX. Muḥammad III bin Tughluq	725	1325
XXI. Firūz III	752	1351
XXII. Ghiyāṣu-d-dīn Tughluq II	790	1388
XXIII. Firūz Shāh Zafar	791	1389
XXIV. Abūbakr	791	1389
XXV. Muḥammad IV bin Firūz	792	1390
XXVI. Sikandar I	795	1393
XXVII. Maḥmūd II bin Muḥammad	795	1393
XXVIII. Nuṣrat (Interregnum)	797-802 ?	1395
XXIX. Daulat Khān Lodi	815	1413

SAYYIDS

	A.H.	A.D.
XXX. Khizr Khān	817	1414
XXXI. Mubārak II	824	1421
XXXII. Muḥammad V bin Farīd	837	1434
XXXIII. 'Ālam Shāh	849	1445

LODĪS

XXXIV. Bahlūl	855	1451
XXXV. Sikandar II	894	1489
XXXVI. Ibrāhīm II	923	1517

SŪRĪS

XXXVII. Sher Shāh	945	1538
XXXVIII. Islām Shāh	252	1545
XXXIX. Muḥammad 'Ādil	960	1552
XL. Ibrāhīm III	962	1554
XLI. Sikandar III	962	1554

TURKS

Notes.—Weights are recorded in grains Troy.

No.	Mint Date	Obverse	Reverse
MUHAMMAD I BIN SĀM			
		A.H. 589-602.	A.D. 1193-1206.
GOLD			
<i>A</i>			MUHAM- MAD I
1	[Ghaznih] 600	<p>Within double square</p> <p style="text-align: center;">لا اله الا الله محمد رسول الله الناصر لدين الله امير المؤمنين</p> <p>In segments of dotted circle enclosing square</p> <p>Top هو الذي ارسل (obl.) Left رسوله بالهدى Bottom ودين الحق ليظهره Right على الدين كله (obl.)</p> <p>Wt. 134.9. S. 1.5.</p>	<p>Within double square</p> <p style="text-align: center;">السلطان الاعظم معز الدنيا و الدين ابو المظفر محمد بن سام</p> <p>In segments of dotted circle enclosing square</p> <p>Top ضرب هذا Left الدينار في Bottom شهر سنة Right ست مائه</p> <p style="text-align: right;">Pl. I.</p>
2	Ghaznih ?	<p>As on 1.</p> <p>Wt. 118.3. S. 1.1.</p>	<p>As on 1, but in segments.</p> <p>Top ضرب هذا Left الدينار بلده Bottom غزنه في شهر سنة Right obl.</p>
SILVER			
<i>AR</i>			
3*	[Ghaznih] 603	<p>As on 1, but without outer circle of dots.</p> <p>Wt. 78. S. 1.2.</p>	<p>As on 1, but in segments.</p> <p>Top obl. Left الدرهم في شهر Bottom سنة ثلث Right و ست مائه</p>

* *Note to 3.* This coin, as its date shows, was struck by Taju-d-din Yildiz in the name of Muhammad bin Sam.

No.	Mint Date	Obverse	Reverse
Struck in India.			
GOLD			
MUHAMMAD I	A		
31	?	In circle السلطان المعظم معز الدنيا و الدين ابو المظفر محمد بن سام Wt. 172.18. S. .9. Ref. H. R. N.	In circle Horseman with mace. Margin تسع عشرة رمضان سنة أحدى و ستماية سليم بن محمد PL XXIV.
4	?	Rude figure of Lakshmi seated. Wt. 66.8. S. .8.	श्री मह मद विनि साम PL I.
5	?	As on 4. Wt. 66. S. .6.	श्री मह वीर महम द साम PL I.
BILLON			
B			
6	—	[سيف] الملك [الاعظم] ابو المظفر محمد بن سام Wt. (imperfect). S. .6. Ref. R. V. 8 (fig.).	Horseman to left with spear at charge pointing downwards.
7	—	In dotted circle السلطان الاعظم محمد بن سام W. 48. S. .6.	In dotted circle. Horseman to left with spear at charge above the horse's head.

No.	Mint Date	Obverse	Reverse
B 8-9	—	As on 7, but السلطان Wt. 49.8; 50.5. S. .6.	As on 7, but the horse is more in skeleton outline. MUHAM- MAD I Pl. I.
9 A	—	As on 7, but the characters are more like those on the <i>Ghaznih dirhams</i> . Wt. 46. S. .6. Ref. Thomas, No. 7 (Pl. I. 6).	As on 7, but horse is caparisoned and the rider has a two-peaked head-dress.
10-13	—	In dotted circle. Recumbent bull to left in outline; trident on rump. Around खी महमद सामि Wt. 51.5; 50; 51; 54.2. S. .6.	In dotted circle. Chauhān horseman to right. To left of rider खी To right of rider हमीरः
14-15	—	As on 10, but no dotted circle. Ruder bull and Nāgarī characters. No trident on rump. Wt. 45; 50.3. S. .6.	As on 10, but no dotted circle and a crescent under the horse.
15 A	—	As on 10, but ? mark on rump and in place of खी سکندر. Wt. 59. S. .6. Ref. R. III. 13 (fig.). (Now in B.M.)	As on 10. Pl. XX.

No.	Mint Date	Obverse	Reverse
NUKAN- MAD I B 15B*	—	As on 10. Wt. 50. S. -6. Ref. <i>LM.C.</i> 12.	As on 10, but جلال on rump. Pl. XXII.
16	—	السلطان الاعظم محمد بن سام Wt. 49.5. S. -65.	As on 10. Pl. I.
16A	—	Bull standing to left with traces of letters over it. Wt. 42.5. S. -6. Ref. <i>R.</i> (<i>Lahor</i> , p. 56. 12).	السلطان الاعظم مير الدنيا و الدين محمد سام
16B	—	As on 16 A, but bull seated. Wt. 45. S. -6. Ref. <i>R.</i> (<i>Lahor</i> , p. 56. 13).	As on 16 A, but عدل above top line.
17-19	—	Rude bull to left. Above it, in straight line बी महमद सा To right of bull's rump न Below Nāgarī a sword with two dots to right of hump. Wt. 51.3; 53.7; 51.7. S. -6.	Rude (<i>Narwar</i>) horseman.

* Note to 15B. See also *R.* III. 5, of which the obverse die is inverted. See also Thomas No. 12 on which the word پشاور (*Peshāwar*, appears in a line with the spear, reading upwards, under the horse.

No.	Mint Date	Obverse	Reverse
B 19 A	—	As on 19, but without dots to left of sword. Wt. 49.5; 34.6. S. 5.5. Ref. <i>L.M.C.</i> 21-22.	As on 19. MUHAM- MAD I
19 B	—	As on 19, but O in place of sword. Wt. 52.5; 53. S. .6. Ref. <i>L.M.C.</i> 23 (fig.); <i>I.M.C.</i> 15.	As on 19.
19 c	—	As on 19, but साम of legend in place of sword. Wt. 53. S. .6. Ref. <i>L.M.C.</i> 24 (fig.).	As on 19.
19 D	—	As on 19, but सम in top line. Wt. 53. S. .6. Ref. <i>L.M.C.</i> 25.	As on 19.
20	—	In dotted circle السلطان المعظم معز الدنيا والدين Wt. 51.8. S. .6	In dotted circle * محمد بن سام

No.	Mint Date	Obverse	Reverse
B			
MUHAM- MAD I 21-23	—	As on 20. Wt. 50.5; 51; 47. S. .6.	In dotted circle ابو المظفر محمد بن سام
Æ			
COPPER			
24-27*	—	In square within circle— scrolls in segments. معز الدنيا Wt. 57.8; 45.2; 47; 44.5. S. .6; .65.	In square within circle— scrolls in segments. و الد ين
28-29	—	As on 24, but the sides of the square are curved. Wt. 50.5; 43.8. S. .55.	As on 24, but the sides of the square are curved. Pl. I.
29 A	—	As on 24, but with scollops in the sides of the square. Wt. 45. S. .65. Ref. R. III. 3 and R. (Labor), p. 55, No. 7.	As on 24, but with scollops in the sides of the square.
30-31*	—	In double circle enclosing dots. معز Wt. 50.2; 50.5. S. .55.	Enclosed as on obv. عدل Pl. I.
32	—	As on 30, but star under معز Wt. 48.5. S. .55.	As on 30.

* Note to 24. Differences occur in the segmental ornaments.

* Note to 30. H.R.N. has one without dots.

No.	Mint Date	Obverse	Reverse
Æ 32 A	—	Standing bull to left. Above ? सी साम On rump + Wt. 42. S. .5. Ref. B.M.	In circle with outer circle of dots MUHAM- MAD I عبدی Above the د a star.
33	—	Standing bull to left. Above सीसाम Wt. 48.7. S. .55.	In rayed circle معزح
34-35	—	As on 33, but kneeling bull. Wt. 46; 41.5. S. .50. H.R.N. has one with معزح inverted.	As on 33.
35 A	? Anwala	In hexagon formed by two intersecting triangles. محمد بن سام Wt. 35. S. .6. Ref. R.V. 30 (fig.) where the reverse was read tentatively ابو الفتح. A more probable reading seems to be انولا (Anwala), an old town in the Bareilly district of the United Provinces, India—near Badaun.	In hexagon formed by two intersecting triangles. انولا
36*	? Ujjain	Rude figure of kneeling bull with traces of letters above. Wt. 51. S. .55.	In rayed circle احسن

Pl. I.

* Note to 36. I have assigned this to Muhammad bin Sam on its similarity to Nos. 33-35. The word on the reverse appears to be Ujjain. If so, the coin may be autonymous, for Ujjain was not taken till 632 A.H.

No.	Mint Date	Obverse	Reverse
MUḤAM- MAD I		As Suzerain of Prithvi Rājā of Ajmer.	
B		BILLON	
36 A	—	Recumbent bull to left— trident on rump. | on <i>jhūl</i> . Around सी महमद साम Wt. 44; 54. S. 55; -6. Ref. B.M.; cf. Thomas, 15.	Chauhān horseman to right. Above to left of rider सी पृ to right खी राजा देव
		MAḤMŪD BIN MUḤAMMAD	
B		A.H. 602.	A.D. 1206.
37-38	—	BILLON السلطان الاعظم محمود بن محمد بن سام Wt. 50.5; 50.7. S. -6.	Chauhān horseman to right; crescent under horse. Around सी हमीर: Pl. I.
YILDIZ		TĀJU-D-DĪN YILDIZ	
B		BILLON	
39-42	—	Struck in <i>Ghaznih</i> . السلطان الاعظم معز الدنيا والد بن Wt. 41; 41; 40.5; 40.7. S. -6.	عبد الله المعظم تاج الدنيا والد بن يلدز

No.	Mint Date	Obverse	Reverse
B 42 A	—	In square within circle السلطان الشهيد Wt. 46. S. .65. <i>Ref. R. V. 3 (fig.) and R (Lahor), p. 56.</i>	In square within circle عبد الملك YILDIZ
43	—	<i>Struck in Kuramān?</i> Standing bull to left. Above जी सुव Wt. 48.3.	معز الد نيا و الدين عبد بلدز Pl. I.
44-47	—	<i>Struck in India.</i> Horseman to right. Below a star. Around जी हमीर: Wt. 48.5; 50.3; 51.5; 46.3. S. .55.	السلطان المعظم ابو الفتح بلدز السلطان Pl. I.
48	—	As on 44, but crescent under horse. W. 51.5. S. .55.	As on 44.
48 A	—	As on 44, but a bird under horse. Wt. 46.5. S. .5. <i>Ref. R (Lahor), p. 57. 22.</i>	As on 39.

No.	Mint Date	Obverse	Reverse
YILDIZ			
Æ		COPPER	
49	—	In dotted circle معز الدنيا والدين Probably a Ghaznih issue. Wt. 47.5. S. .6.	In dotted circle عمده يلدز Pl. I.
49 A	—	Standing bull to left. Above श्री सा Probably a Kuramān issue. Wt. 36. S. .5. Ref. R. V. 30 (fig.)—now in B. M.	In rayed circle تاج
AIBAK			
		QUTBU-D-DĪN AIBAK	
		A.H. 602–607.	A.D. 1206–1210.
Æ		COPPER	
49 B	—	Standing bull to left. Wt. 35. S. .55. Ref. R (Lāhor), p. 58. 1.	In rayed circle قطب
49 C	—	As on 49 B. Wt. 48. S. .55. Ref. R (Lāhor), p. 58. 2.	As on 49 B, but in irregular octagon.
49 D	—	As on 49 B. Wt. 43. S. .55. Ref. R (Lāhor), p. 58. 3.	As on 49 B, but in circle with crosses outside.

No.	Mint Date	Obverse	Reverse
Æ 49 R*	—	As on 49 B. Wt. 39. S. .5. <i>Ref.</i> R (Lahor), p. 58. 4.	As on 49 B, but in circle ATBAK made with dots joined.
SHAMSU-D-DĪN İLTUTMISH			
		A.H. 607-638.	A.D. 1210-1235. İLTUT-MISH
GOLD			
Δ 49 F	Gaur 616	In circle Turk horseman to left at the charge, carrying mace. In field To right of horseman ضرب Below horse بگور <i>Margin</i> لا [اله الا الله محمد] رسول الله بتاريخ سنة ست عشر و ستمائة Wt. 70.6. S. .75. <i>Ref.</i> Thomas, <i>I.C.B.</i> , ii, p. 14. (2)—now in Berlin.	In dotted circle السلطان المعظم شمس الدنيا و الدين ابو المظفر التتمش القطبي برهان امير المؤمنين
			Pl. XXII.
49 G	— 614	As on 49 F, but margin لا [اله الا الله محمد] رسول الله بتاريخ سنة اربع عشر . . . and no mint name in field. Wt. 71. S. .7. <i>Ref.</i> A. N. S.	As on 49 F, but ابو المظفر التتمش القطبي . . . امير المؤمنين
			Pl. XXIII.

Note to 49 R. P.T. has a coin (wt. 28.1) with obv. قطمچ in a circular area surrounded by dots and rays. The reverse appears to be similar but is much worn. J.A.S.B.—N.S. XLII

No.	Month Date	Obverse	Reverse
ILUPT- MISH	AR	SILVER GROUP I Struck in Bengal under the governorship of Hisham-d-din Iwaz.	
49 n	— 614	In circle Turk horseman to left at the charge, carrying mace. <i>Margin</i> لا اله الا الله محمد رسول الله بتأريخ سنة اربع عشر و ستمائة Wt. 162. S. 1-1. <i>Ref. Thomas, L.C.B., iii, p. 12 (1) (Berlin).</i>	In dotted circle السلطان المعظم شمس الدنيا و الدين ابو المظفر الشتمش القطبي ناصر امير المؤمنين .Pl. XXII.
49 r	— 616	As on 49 n, but date unit ست Wt. 163. S. 1. <i>Ref. Thomas, L.C.B., ii, p. 16 (3) (Berlin).</i>	As on 49 r. Pl. XXII.
49 r*	—	As on 49 n. Margin undeciphered. Wt. 165. S. 1-15. <i>Ref. N.C., 1885, Part III, p. 215.</i>	السلطان المعظم شمس الد نيا و الدين ابو المظفر ايلتتمش القطبي ناصر امير المؤمنين Over ايلتتمش are the Nagari letters सा or सो. Pl. XXII.

* No. to 49 r. This must be the coin shown as 3's on p. 16 of Thomas L.C.B., Part II, but not described in detail. This is now in Berlin. It is probably also the coin figured in L.N.O., No. 32, the part where the Nagari letters should be being rubbed. Dr. Haernle, however, in describing the coin in J.A.S.B., 1881, p. 55, No. 1, makes no mention of the Nagari letters.

No.	Mint Date	Obverse	Reverse
R 49 K	— 62-	<p style="text-align: center;">GROUP II — الناصر لدين</p> <p>In circle</p> <p style="text-align: center;">لا اله الا الله محمد رسول الله الناصر لدين الله امير المو منين</p> <p><i>Margin</i></p> <p style="text-align: center;">هذا . . . ? . . . عشرين و ست مائه</p> <p>Wt. 168.5. S. 1.2.</p>	
			<p style="text-align: center;">السلطان المعظم شمس الدنيا و الدين ابو المظفر ايلتتمش السلطاني يمين خليفه الله ناصر [امير] [المومنين]</p> <p style="text-align: right;">PL XXII.</p>
		<p><i>Ref.</i> Thomas, <i>I.C.B.</i>, ii, p. 23 (8)—now in Berlin. The characters are of the square Kufic type and indicate a northern mint.</p>	
49 L	— 622	<p>In circle</p> <p style="text-align: center;">لا اله الا الله محمد رسول الله الناصر لدين الله امير المومنين</p> <p><i>Margin</i></p> <p style="text-align: center;">هذا الصرب في شهر سنة اثني عشرين و ستمائه</p> <p>Wt. 166.7. S. 1.2.</p>	
			<p style="text-align: center;">السلطان المعظم شمس الدنيا و الدين ابا المظفر ايلتتمش السلطاني يمين خليفه الله ناصر امير المو منين</p> <p style="text-align: right;">PL XXII.</p>
		<p><i>Ref.</i> Thomas, <i>I.C.B.</i>, ii, p. 23 (9) (now in Berlin); <i>cf.</i> <i>L.M.C.</i>, 33.</p>	
50	? 62-	<p>As on 49 L.</p> <p><i>Margin</i></p> <p style="text-align: center;">. . . عشرين و ست مائه Much worn round the edge.</p> <p>Wt. 155.3. S. 1.</p>	
			<p>In circle</p> <p style="text-align: center;">السلطان الاعظم شمس الدنيا و الدين ابو المظفر ايلتتمش السلطان ناصر امير المومنين</p> <p style="text-align: right;">PL I. C</p>

**ILFUT-
MISH**

ILLUSTRATIONS	No.	Mint Date	Obverse	Reverse
	R		GROUP III — الظاهر	
	50 A	? 624	<p>In circle</p> <p>لا اله الا الله محمد رسول الله الظاهر بامر الله امير المؤمنين</p> <p><i>Margin</i></p> <p>غرب هذه شهر سنة اربع و عشرين و ستة مائة</p> <p>Wt. 168.2. S. 1-1.</p>	As on 50.
			Ref. Thomas, <i>I.C.B.</i> , ii, p. 24 (10)—two specimens—now in Berlin.	Pl. XXII.
	50 B	? 624	<p>As on 50 A.</p> <p>Wt. 164.3. S. 1-05.</p> <p>Ref. Thomas, <i>I.C.B.</i>, ii, p. 25 (11)—now in Berlin.</p>	<p>In double square within circle, as on 50, but last line السلطان ناصر and امير المؤمنين in the top, left, and ? right segments.</p>
			Ref. Thomas, <i>I.C.B.</i> , ii, p. 25 (11)—now in Berlin.	Pl. XXII.
			GROUP IV — المستنصر بالله	
	50 C	—	<p>In double square, scroll work in segments.</p> <p>لا اله الا الله محمد رسول الله</p> <p>Wt. 164-157. S. 1-1.</p>	<p>In double square within circle, three dots in each segment.</p> <p>في عهد الامام المستنصر امير المؤمنين</p>
			Ref. <i>I.M.C.</i> , 34; Thomas, p. 48.	<p><i>Margin</i></p> <p>غرب مائة</p> <p>Pl. XXII.</p>

No.	Mint Date	Obverse	Reverse
R 50 D*	? 632?	In circle لا اله الا الله محمد رسول الله المستنصر بامر الله امير المؤمنين <i>Margin</i> اننى و ثلثين و ستمائة? Wt. 158.9. S. 1.15. <i>Ref. Thomas, p. 52 (xxix)</i> —now in Berlin.	In double square, scroll work in segments. السلطان المعظم شمس الدنيا و الدين ابو المظفر التمش السلطان ناصر امير المؤمنين PL. XXII.
50 E	? —	In circle لا اله الا الله محمد رسول الله المستنصر بالله امير المؤمنين In place of marginal legend, a circle of dots. Wt. 168.2. S. 1. <i>Ref. B. M. The A. N. S. has a specimen, wt. 166.5.</i>	In double square, as on 50 D, but ايلتمش and in the last line there is no trace of المؤمنين The ن of السلطان is written ن In segments, dots.
50 F	Dehli 628	In double square within circle, the top line of the square being single. As on 50 E. In top segment دهلى <i>Margin</i> —part of هو الذى ارسل رسوله بالهدى و دين الحق ليظهره على الدين كله Wt. 167. S. 1.1. <i>Ref. L.M.C., 29 (fig.). B.M. has two specimens.</i>	In area as on obverse السلطان الاعظم شمس الدنيا و الدين ابو المظفر ايلتمش السلطان In top segment دهلى <i>Margin</i> غرب . . فى شهر سنة ثمان و عشرين و ستمائة

*Note to 50 D. I have recorded the date as 632, following Thomas, but without conviction. The occurrence of المعظم seems to place the coin definitely earlier than No. 50 F which is clearly dated 628.

ILLUSTRATIONS

No.	Mint Date	Obverse	Reverse
R 51*	? 63-	In circle as on 50 n. <i>Margin</i> شهور سنة وثلاثين و ستاين Wt. 166. S. 1-2.	In double square as on 50 n, but <i>الاعظم</i> and <i>الشمس</i>
52*	[Dehli] [632]	In double square within circle; three dots in each segment. في عهد الامام المستنصر امير المومنين <i>Margin</i> [عرب هذا الفضة في بلاد الهند [بحضرت دهلي] Wt. 166-5. S. 1-2.	In double square within circle; two dots in each segment. السلطان الاعظم شمس الدنيا و الدين ابو المظفر الشمس السلطان <i>Margin</i> من خراج قنوج و كفر شهور [سنة اثني و ثلاثين و ستاين] Pl. I.
52 A	? Lak- nauti 633	In circle as on 50 n. <i>Margin</i> عرب هذه الشرف بلكور (sic) في شهور سنة ثلث ثلاثين و ستاين Wt. 167-5. S. 1-15. Ref. I.M.C., 38 (fig.). A different style of lettering from 51; otherwise very similar.	In double square as on 50 n, but <i>الاعظم</i> and <i>الشمس</i>

*Note to 51. Dates recorded 630 and 632. Some coins of this type have *بالح* for *بالله* on the obverse. One figured in R. IV, Pl. XVIII (2) has *اياشمس*. See also J.A.S.B., 1881, p. 56, No. 4 (Hærnle) where *الشمس* is read. This coin has the final *من* of the reverse legend in the right segment.

*Note to 52. See p. 72 for the reading of the marginal legend. Some specimens have a single dot in the margin.

No.	Mint Date	Obverse	Reverse
A 53 $\frac{1}{2}$	—	As on 52, but margin wanting. Wt. 82.4. S. 95.	As on 52, but no dots in segments and margin wanting. ILTUT-MISH Pl. I.
<i>As Suzerain of Bengāl.</i>			
53 A*	? 629	المستنصر بالله امير المؤمنين السلطان الاعظم شمس الدنيا و الدين ابو الفتح ايلتتمش السلطان برهان امير المؤمنين Wt. 168. S. 1.3. Ref. I.C.B., Part II, p. 31 (now in Berlin).	In circle السلطان العاذل شهنشاه باذل علا الدنيا و الدين ابو الغازي دولت شاه بن مودود عصم خليفه الله ظاهر امير المؤمنين Margin ... شهر سنة تسع ؟ و عشرين و ستماية Pl. XXII.
B		BILLON	
		I. Bull on obverse. Horseman on reverse.	
54-55	—	Recumbent bull to left. Around सुरिताय श्री समसदीय or दिव On <i>jhāl</i> 1 On hindquarter ४ Wt. 55; 48.6. S. -6.	Chauhān horseman to right. Around श्री हनीर

*Note to 53 A. This coin was struck by Ikhtiyārū-d-dīn Balak son of 'Iwaz (C.H.I. III, p. 54, 'bin Maudūd' on the coins) who seized the Kingdom of Bengāl on the death of Nāṣirū-d-dīn Maḥmūd, eldest son of İltutmish, in 629 A.H., but was defeated and captured in the following year. (Thomas, I.C.B., Part II, p. 30.)

ILTUT. MISH	No.	Mint Date	Obverse	Reverse
	B 55 A	—	As on 54-55, but on hind- quarter <i>q</i> Wt. 55.5. S. .55. <i>Ref. L.M.C., 43.</i>	As on 54-55.
	55 B	—	As on 54-55, but on hind- quarter <i>q</i> Wt. 53.5. S. .6. <i>Ref. L.M.C., 37.</i>	"
	56-57	—	As on 54-55, but on hind- quarter m.m. 6. Wt. 54; 52.7. S. .6.	"
	58	—	As on 54-55, but on hind- quarter m.m. 7. Wt. 48.5. S. .55.	"
	58 A	—	As on 54-55, but on hind- quarter m.m. 5. S. .55. <i>Ref. B.M.</i>	"
	59-60	—	As on 54-55, but on <i>jhāl</i> On hindquarter m.m. 6. Wt. 52.4; 55.4. S. .6	"

No.	Mint Date	Obverse	Reverse
B 60 A	—	As on 54-55, but on hind-quarter ♂ Wt. 52.4; 55.4. S. .6. Ref. H. R. N.	As on 54-55.
60 B	—	As on 54-55, but on hind-quarter ♂ Wt. 54. S. .55. Ref. L.M.C., 47.	"
60 C	—	As on 54-55, but on hind-quarter ♀ Wt. 53.5. S. .55. Ref. L.M.C., 38.	"
61	—	As on 54-55, but on hind-quarter v Wt. 52. S. .6.	"
62	—	As on 54-55, but on hind-quarter r. Wt. 55. S. .6.	"
62 A	—	As on 54-55, but on hind-quarter m.m. 5. Ref. B. M.	"
62 B	—	As on 54-55, but on hind-quarter m.m. 8. Wt. 55.5. S. .55. Ref. L.M.C., 45.	"

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PL I.

No.	Mint Date	Obverse	Reverse
ILTUT. MISH	B	As on 54-55, but on <i>jhāl</i> ''' On hindquarter m.m. 6. Wt. 51. S. .6. <i>Ref. L.M.C., 48.</i>	As on 54-55.
	62 c		
	—		
	—		
	—		
	—		
	62 d	As on 54-55, but on hind- quarter m.m. 5. <i>Ref. B. M.</i>	"
	—		
	—		
	—		
	—		
	—		
	62 e	As on 54-55, but on <i>jhāl</i> 9 On hindquarter m.m. 5. Wt. 46. <i>Ref. I.M.C., 47.</i>	"
	—		
	—		
	—		
	—		
	—		
	62 f	As on 54-55, but on <i>jhāl</i> 3 On hindquarter 3 Wt. 54.5. S. .6. <i>Ref. L.M.C., 44.</i>	"
	—		
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	—		
	—		
	—		
	63	As on 54-55, but on <i>jhāl</i> 1 On hindquarter m.m. 5. Wt. 51.5. S. .6.	"
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	—		
	—		
	—		
	—		
	64-65	As on 54-55, but on <i>jhāl</i> m.m. 89. On hindquarter m.m. 5. Wt. 53.2; 46. S. .55.	"
	—		
	—		
	—		
	—		
	—		


No.	Mint Date	Obverse	Reverse	
B				
65 A	—	As on 54-55, but on hind-quarter ^r <i>Ref. H. R. N.</i>	As on 54-55.	ILTUT-MISH
65 B	—	As on 54-55, but on <i>jhāl</i> ^Q On hindquarter m.m. 5. <i>Ref. B. M.</i>	"	
66	—	As on 54-55, but on <i>jhāl</i> ^{1.} On hindquarter <i>Q</i> or <i>r</i> ? Wt. 52.2. S. .6.	"	Pl. I.
67*	— ? 629	As on 54-55, but on <i>jhāl</i> <i>qr</i> and on hindquarter <i>r</i> <i>Q</i> (? 89) Wt. 53.5. S. .55. <i>See also L.M.C., 40.</i>	"	
67 A*	— ? 630	As on 67 but on hind-quarter <i>Q</i> (? 90) Wt. 55. S. .55. <i>Ref. L.M.C., 41.</i>	"	
67 B	—	Recumbent bull to left. Above समसदी S. .55. <i>Ref. R. II. 8.</i>	Chauhan horseman to right. Above, to right of rider's body, ह (without other letters).	

*Note to 67 and 67 A. The figures on the bull possibly represent the dates 1289-90 S. = w. 629-30.

**LTUT-
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No.	Mint Date	Obverse	Reverse
B 68-72	—	<p>Recumbent bull to left. Around</p> <p>मुससिरि चमीर लि मोमिनां</p> <p>One coin has m. 95 on <i>jhūl</i> and v on hindquarter. Another has i on <i>jhūl</i> and + on hindquarter.</p> <p>Wt. 53.2; 53.7; 53.1. S. .6.</p>	<p>Chauhān horseman to right. Around</p> <p>क्षी वलीफः</p> <p>Pl. I.</p>
73-77	—	<p>Recumbent bull to left. Around</p> <p>क्षी वलीफः</p> <p>On hindquarter ∪ One coin has + under the hump.</p> <p>Wt. 55.6; 55.5; 50.7; 51.4. S. .6.</p> <p>Ref. R. VI. 26-27.</p>	<p>Chauhān horseman to right. Around</p> <p>क्षी इमीरः</p> <p>Pl. I.</p>
78-80	—	<p>Recumbent bull to left. Above</p> <p>.. क्षतितिम</p> <p>∪ on hindquarter of bull.</p> <p>Wt. 51.4; 50; 53.5. S. .55.</p> <p>Ref. R. VI. 24-25.</p>	<p>As on 73.</p> <p>Pl. I.</p>
81*	—	<p>Recumbent bull to left. Around</p> <p>चलावरी क्षी समसोरक्षदिवि</p> <p>On <i>jhūl</i> i On hindquarter a trident.</p> <p>Wt. 51.1. S. .6.</p>	<p>Chauhān horseman to right. Around</p> <p>क्षी चाहृद दिव</p> <p>Pl. II.</p>

*Note to 81. Struck as suzerain of Chā and Deva of N rw-r

No.	Mint Date	Obverse	Reverse
B 81 A	—	As on 81. S. .55; 50. Ref. Thomas, 41.	As on 81, but around की हमीर: ILTUT. MISH
II. Arabic legend on obverse. Horseman on reverse.			
82-84	—	السلطان العظم ایلتتمش السلطان Square characters. Wt. 51.5; 54. S. .6.	Chauhān horseman to right. Around की हमीर: Under horseman  Pl. II.
85-87	—	As on 82-84, but characters less square and الشمس Wt. 48; 51.2. S. .6.	As on 82-84. Star under horseman.
87 A	—	السلطان الاعظم ایلتتمش السلطان Wt. 50. S. .55. Ref. Thomas, 46; R. II. 12.	Horseman to left with spear at charge. Traces of dotted circle.
88-90	—	شمس الدنيا و الدين ابو المظفر ایلتتمش السلطان Wt. 55.9. S. .55.	As on 87, but without star. Pl. II.

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No.	Mint Date	Obverse	Reverse
B 91-95	—	شمس الدنيا و الدين ابو المظفر ايلتمش السلطان Wt. 55.4; 54.5. S. -6.	As on 87, but without star. Pl. II.
96-97	—	شمس الدنيا و الدين ايلتمش السلطان Wt. 52; 51.9. S. -6.	Crescent under horse. Indeterminate characters round horse's head.
98	—	In circle السلطان الاعظم شمس الدنيا و الدين Wt. 55. S. -6.	As on 82, but no mark under horse. Pl. II.
99	—	In circle السلطان الاعظم Wt. 53. S. -6.	As on 82, but no legend visible. Pl. II.
100- 102	Dehli	In square within circle السلطان الا عظم شمس الدنيا و الدين In upper segment دهلي Wt. 57-54.8. S. -6.	Chauhan horseman to right. To right ايلتمش Above السلطان Pl. II.

No.	Mint Date	Obverse	Reverse
B 102 A	Dehli	As on 102, but دملى in left marginal segment. Wt. 50. S. .6. Ref. I.M.C., 64.	As on 102. ILTUT- MISH
103- 105	—	شمس الدنيا و الدين ايلتمش السلطان Wt. 55-6. S. .6.	Chauhan horseman to right, but crescent in place of rider's body. Above ? Pl. II.
106- 109	—	" Wt. 55-5; 54-8. S. .6.	As on 103-105, but star in place of rider's body. Pl. II.
110	—	As on 103-105, but characters less square. Wt. 54-9. S. .55.	As on 54 but above horseman. 𐤀𐤂𐤁𐤏
111- 113	—	السلطان الاعظم شمس الدنيا و الدين ابو المظفر ايلتمش السلطان Wt. 54-7; 53-8. S. .55.	Rude horseman (Narwar).
114- 115	—	السلطان الا عظم شمس الدنيا و الدين Wt. 55; 60! S. .6.	"

ILLUSTRATIONS

No.	Mint Date	Obverse	Reverse
B 116-120	—	شمس الدنيا والدين الشمس السلطان Wt. 57; 51.2; 53.6. S. -6.	As on 111-113.
121-122	Dehli 624 A.H. 1283 S.	III. Arabic legend on obverse. Nāgarī legend on reverse. In circle السلطان ايلتشمش Around within circle عرب هذا بدهلي في سنة اربع وعشرين و ستاين Wt. 56-54. S. -65.	श्री सुवर्ण ई चित्तिमि वि सं १२८३ Pl. II.
122 A	? —	In circle ايلتشمش Around السلطان الاعظم ابو المظفر In outer circle لكنو تاء Wt. 50. S. -6. Ref. B. M.	As on 121-122, but date worn. Pl. XX.
122 B	—	IV. Arabic legend on both sides. السلطان ن الاعظم Eight-rayed star. Wt. 49. S. -55. Ref. R. (Lāhor, p. 64. 37).	شمس الد نيا والدين Elongated star and eight-rayed star.

No.	Date Mint	Obverse	Reverse
B 122a *	—	A modified outline of the ancient typical bull with बीसम or बीसमः Wt. 38. S. .55. Ref. Thomas, 58 (R. Lahor, p. 60. 11).	In circle عدي with two stars and dotted inner margin. ILTUT. MISH
Æ		COPPER	
		A. With the name of the Sultan.	
122 b	—	In dotted circle عدل السلطان Wt. 59. S. .6. Ref. R. L. 10 (Lahor, p. 64. 40).	In dotted circle شمس الدنيا و الدين
123	—	عدل Star above and below. Wt. 44. S. .55.	شمسى Arabesque above and be- low. PL. II.
123 a	—	In dotted circle عدل without stars. Wt. 47. S. .55. Ref. B. M.	As on 123.
123 b	—	As on 123. Wt. 29.3. S. .5. Ref. B. M.	In dotted circle شمسى Star above and below.

*Note to 123c. Thomas gives this as a billon coin. From the type, however, it seems probable that it was a copper issue.

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No.	Mint Date	Obverse	Reverse
Æ 123 c	—	عدل Wt. 45.5. S. .5. <i>Ref. R. I. 3 (Lahor, p. 59. 1). R (Lahor, p. 59) gives a variant with the reverse in dotted circle.</i>	شمسي
123 d	—	As on 123 c, but a star below. <i>Ref. R. I. 4.</i>	As on 123 c, but a star below.
123 e	—	In circle with an outer circle of dots عدل Wt. 25. S. .5. <i>Ref. R (Lahor, p. 59. 4).</i>	In circle with an outer circle of dots شمس
124*— 128	—	In a hexagram الشمس Wt. 35.5; 33.5; 32.5; 28; 24.5. S. .6—5.	In a hexagram سلطان
128 A	—	As on 124—128, but in circle. S. 38. <i>Ref. H. R. N.</i>	As on 124—128, but in circle.
128 B	—	الشمس Wt. 17.8. S. .55. <i>Ref. R (Lahor, p. 63. 30).</i>	السلطان

*Note to 124. On one coin that I have seen the | on the obverse is absent, making the coin r. nka

No.	Mint Date	Obverse	Reverse
Æ 129-130	—	In triple circle, the inner one of dots عدل Wt. 28; 20. S. .5.	In triple circle, the inner one of dots شمس Above PL II.
131-132	—	In rayed circle شمس Above Wt. 23.5; 20.5. S. .45.	In rayed circle सो स(म) स [दीप] PL II.
133	—	شمس Wt. 13. S. .42.	Narwar horseman. PL II.
B. Anonymous but of the period of Iluttmish.			
134*-137	Dehli	Within plain and dotted circle عدل سلطان المعظم Wt. 66.5; 62; 56.5. S. .7.	Within plain and dotted circle عرب بعضرت دهلي PL II.
137 A	Lahor	As on 137. S. .55. Ref. R. I. 9.	* عرب بلاهور

*Note to 134. R. I, p. 83 quotes a specimen with ال omitted.

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No.	Mint Date	Obverse	Reverse
Æ 138*— 139	? Banjān	In square within circle, loops in segments. عدل السلطان (sic) Wt. 53.1; 39. S. .55.	In hexagon formed by inter- secting triangles, with dots in the angles ضرب بلان Pl. II.
139 A	—	In dotted circle عدل سلطان * Wt. 45.6. S. .55. Ref. I.M.C., 83.	In dotted circle عدل سلطان *
139 B	—	In circle with outer circle of dots عدل Wt. 44. S. .55. Ref. R. VI. 21.	In circle with outer circle of dots ملك
139 c	—	In dotted circle عدل Wt. 41. S. .6. Ref. R (Lahor), p. 60. 8. R (Lahor), p. 60. 9 is a similar coin weighing 34.5 grs.	In dotted circle ملکی
139 D	—	" Wt. 39. S. .55. Ref. R (Lahor), p. 60. 10.	In dotted circle ملکت

*Note to 138. For a variation of this (البلان) see I.M.C., No. 82. H. R. N. has a specimen without the triangles on the reverse. For the reading Banjān see Longworth Dames, 'The Mint of Kuramān', J.R.A.S., April 1908, pp. 390, 391.

No.	Mint Date	Obverse	Reverse
Æ 140*- 141	Dehli	In hexagram formed by intersecting triangles, with dots in the angles عدل Wt. 36.5; 27. S. .55; .5.	Enclosed as on obverse دمل ILTUT-NISH
141 A	(worn)	As on 141, but in circle within circle of dots. Wt. 34.6 (worn). Ref. H. R. N.	As on 141, but in circle.
141 B	—	As on 141, but within circle only. Wt. 30.5. S. .55. Ref. R. I. 12: R (Lahor), p. 62. 25.	As on 141, but within circle with traces of dotted circle outside.
141 C	—	As on 141, but within square inscribed in circle. Wt. 28.5. S. .5. Ref. R (Lahor), p. 62. 26.	As on 141, but within square inscribed in circle.
141 D*	—	In a square within a circle عدل S. .55. Ref. R. I. 14.	In a square within a circle سلطان

*Note to 140. R. (Lahor), p. 62-21 gives a square coin of this type (wt. 33 grs.) and No. 24 *idem* is a similar coin of 22.5 grs.

*Note to 141 D. Rodgers thought this was a coin of 'Alau-d-din Khwarizm.

**ILTUT-
MISH**

No.	Mint Date	Obverse	Reverse
Æ 142	Dehli	In octagram formed by intersecting squares عدل سلطان Wt. 26. S. .5.	Enclosed as on obverse حضرت دهلی
143- 144	—	Enclosed as on 140 عدل Wt. 28; 21.7. S. .5.	Enclosed as on 140 السلطان
145	Dehli	In six-rayed star عدل Wt. 21. S. .45.	In six-rayed star دهلی
146- 147	Dehli	In square area عدل Wt. 18; 16. S. .45.	In square area دهلی
148	Dehli	As on 142. Wt. 15.3. S. .45.	As on 142.
149	Dehli	As on 145. Wt. 15.5. S. .45.	As on 145.
149 A	Dehli	As on 145, but in circle. Wt. 14.6. Ref. H. R. N.	As on 145, but in circle.

No.	Mint Date	Obverse	Reverse
Æ 150- 151	Dehli	In octagram formed by intersecting squares السلطان Wt. 12-13.8. S. .45.	Enclosed as on obverse دھلی عدل Pl. II.
152- 153	—	In square with loops on each side السلطان Wt. 11-8.6. S. .4.	In square as on obverse عدل Pl. II.
153 A*	—	As on 152-153, but in hexagram as on 140. Wt. 12. S. .4. Ref. R. I. 5.	As on 152-153, but in hexagram as on 140.
153 B	—	As on 142. Wt. 9.5. S. .4. Ref. R (Labor), p. 61. 15.	As on 142.
153 C	—	In looped square عدل سلطان Wt. 10. Ref. H. R. N.	In looped square دھلی

*Note to 153 A. R. B. has this with the reverse in a circle with an outer circle of dots.
Wt. 12 grs.

No.	Mint Date	Obverse	Reverse
FIRUZ I		RUKNU-D-DIN FIRUZ SHAH	
		A.H. 683.	A.D. 1235.
R		SILVER	
153 D*	Dehli 633	In square within circle في عهد الامام المستنصر امير المؤمنين في شهر سنة ثلث و ثلثين و ستماية In top segment—دملى In others—annulets with dots on each side. Wt. 165. S. 1-1. Ref. B.M. (from Gen. Cun- ningham).	In square within circle السلطان الاعظم شمس الدنيا و الدين السلطان المعظم ركن الدنيا و الدين فيروز شاه In each segment a single dot. Pl. XX.
154	? Dehli	In double square within circle, one dot in each segment. As on 50 E. <i>Margin</i> [هو الذي ارسل رسوله بالهدى ودين الحق ليظهره] على الدين ... كله Wt. 166.4. S. 1-15.	In square within circle السلطان الاعظم ركن الدنيا و الدين ابو المظفر فيروز شاه بن سلطان In segments. Left ناصر Bottom امير Right المو Top منين <i>Margin</i> (traces only of). Pl. II.

*Note to 153 D. A second specimen is in the Lucknow Museum from the collection of Mr. To "worth D" 100.

No.	Mint Date	Obverse	Reverse
AR 154A*	[Dehli]* 634	As on 154, but with three dots in each segment. <i>Margin illegible.</i> Wt. 169.3. S. 1.1. Ref. <i>I.M.C.</i> , 90.	As on 154, but double square and one dot only in each segment. <i>Margin</i> اربع و ثلثين و ستين FIRUZ I
BILLON			
B 155*- 156	—	Recumbent bull to left. On <i>jhāl</i> ||| On hindquarter m.m. 6. Around मुराताय (sic) स्त्री वक्ष दीय Wt. 55.5; 54. S. .6.	Chauhān horseman to right. Around. स्त्री [हमीरः] Pl. II.
157- 158	—	السلطان الاعظم ركن الدنيا و الدين فیروز شاه Wt. 55. S. .6.	As on 155. Pl. II.
159- 160	—	As on 157, but coarser lettering. Wt. 57.7; 55.3; 53. S. .6.	Rude horseman (Narwar). Pl. II.

*Note to 154 A. On a specimen in the B.M. the words الحق لیظهر in the obverse margin and بحسرة دهلی in the reverse margin can be read. Cf. also *J.R.A.S.*, 1900, p. 772, where a similar coin has two dots in each segment.

*Note to 155 H.R.N. has a coin with || on the *jhāl*.

No.	Mint Date	Obverse	Reverse
RAẒĪYYA		JALĀLATU-D-DĪN RAẒĪYYA	
AR		A.H. 634-637. A.D. 1236-1240.	
		SILVER	
161*	[Dehli] 635	In double square within circle; three dots in each segment. في عهد الامام المستنصر امير المومنين <i>Margin</i> ... هذا الفقه في شهر سنة ... خمس	In double square within circle; three dots in each segment. السلطان الاعظم شمس الدنيا و الدين ايلتمش السلطان نصرة امير المومنين <i>Margin</i> ... في شهر سنة خمس و ثلثين و ستماية Pl. II.
161A*	[Dehli] ?	As on 161, but two dots in each segment. <i>Margin</i> illegible. Wt. 162.5. S. 1. <i>Ref. B.M.</i> With date 635 (H.R.N.)*	In square within circle السلطان الاعظم شمس الدنيا و الدين السلطان المعظم رضية الدنيا و الدين In lower segment In others ... <i>Margin</i> illegible. Pl. XX.

*Note to 161. The B.M. has a variant of the same date on which التتمش is substituted for ايلتمش. See also R. II, Pl. XVIII. 7, which figures a coin of this variety, wrongly assigned to Iltutmish.

*Note to 161A. Cf. R. VI, Pl. IV, 80. H.R.N. has a specimen with ضرب هذه ... في شهر سنة خمس و ثلثين in the obv. margin and ... في شهر سنة خمس و ثلثين in the rev margin.

No.	Mint Date	Obverse	Reverse
R 161 B	Laknauti 634	As on 161, but one dot in each segment. <i>Margin</i> عرب هذا [الفقه بلكنوتي في شهر] سنة اربع ثلثين ستمائة Wt. 165.5. S. 1.1. Ref. A.N.S. and J.A.S.B., 1881 (Hoernle, p. 57).	RAḤIYYA السلطان الاعظم جلالة الدنيا و الدين ملكه التتمش ابنت السلطان نصرة امير المومنين Pl. XXIII.
161 C	Laknauti 635	As on 161 B, but خمس Wt. 164.5. S. 1.1. Ref. I.C.B., Pt. II, p. 32, and Thomas (Chron.), p. 107 (90). Also of 636 (H.R.N.)	As on 161 B, but in third line التتمش is above ابنت Pl. XXII.
161 D	Laknauti 635	As on 161 B. Wt. 159. S. 1.1. <i>Margin</i> عرب هذا الفقه بلكنوتي في شهر سنة خمس ثلثين ستمائة Ref. J.A.S.B., 1881 (Hoernle, pp. 58 and 67), and L.W.K. 3031.	As on 161 B, but ملكه التتمش ابنت السلطان نصرة امير المومنين
B 162- 163	—	BILLON السلطان المعظم رضية الدين بنت السلطان Wt. 56.8. S. .55.	Chauhan horseman to right (one coin has part of a dotted circle round the horseman). Pl. II.

No.	Mint Date	Obverse	Reverse
B RAZIYYA 163 A	—	As on 162-163. Wt. 53. S. .55. <i>Ref. L.M.C., 77.</i>	As on 162-163, but * under horse.
163 B	—	As on 162-163. Wt. 57.5. S. .55. <i>Ref. L.M.C., 78.</i>	As on 162-163, but + under horse.
164- 166	—	السلطان الاعظم رعينة الدنيا و الدين Wt. 56.8; 52. S. .6.	Chauhan horseman to right. Around श्री हमीर: Pl. II.
166 A*	—	[السلطان] الاعظم جلالة الدنيا و الدين و [رعينة] Wt. 44. S. 55. <i>Ref. R. (Lahor), p. 79. 1.</i>	As on 164-166.
166 B	—	السلطان الا عظم رعينة الدنيا و الدين Wt. 55. S. .55. <i>Ref. L.M.C., 97.</i>	As on 164, but legend want- ing.
167- 169	—	As on 164, but coarser lettering. Wt. 63.5!; 51. S. .6.	Rude horseman (Narwar).

*Note to 166 A. The coin is in such a poor condition that the reading must be regarded as doubtful

No.	Mint Date	Obverse	Reverse
<p>Æ RAḤĪYYA</p> <p style="text-align: center;">COPPER</p>			
170	—	<p>Bull to left. Above</p> <p>सी] समन्त देव</p> <p>Wt. 51.5.</p>	<p>In rayed circle</p> <p>رضيا</p> <p>Pl. II.</p>
171	—	<p>Bull to left. Above</p> <p>सीमसा?</p> <p>Wt. 39.8.</p>	<p>As on 170, but letters inverted.</p>
171 A	—	<p>As on 171, but bull to right.</p> <p>Ref. L. W. K. 3035.</p>	<p>As on 170.</p>
171 B	—	<p>Horseman.</p> <p>Ref. L. W. K. 3034.</p>	<p>As on 170.</p>
<p style="text-align: center;">MU'IZZU-D-DĪN BAHRĀM SHĀH BAHRĀM SHĀH</p> <p>A.H. 637-639. A.D. 1240-1242.</p> <p style="text-align: center;">SILVER</p>			
AR 172	[Dehli] 638	<p>As on 161.</p> <p>Margin</p> <p>[عرب هذا السكه بحضرت دهلي] في سنة ثمان و ثلثين و [ستماية]</p> <p>Wt. 167.7. S. 1.15.</p> <p>Cf. Th. 92.</p>	<p>In double square within circle</p> <p>السلطان الاعظم معز الدنيا و الدين ابو المظفر بهرامشاه بن السلطان</p> <p>In segments</p> <p>Top ناصر Left امير Bottom [المو] Right منين</p> <p>Margin</p> <p>عرب هذا السكه [بحضرت دهلي] في سنة... [ستماية]</p> <p>Pl. III.</p>

No.	Mint Date	Obverse	Reverse
B 178		As on 173-174, but on hindquarter m.m. 5. Wt. 56.2. S. .6.	As on 173-174. BAHRĀM SHĀH
178 A		As on 173-174, but on <i>jhūl</i> On hindquarter m.m. 12. Wt. 54. S. .55. <i>Ref. L.M.C., 84.</i>	
179- 180		Recumbent bull to left. Above 𐎢𐎡𐎢𐎠 (Mu'ij) Traces of dotted circle on one. Wt. 54.8; 53.5. S. .6.	As on 173-174, but legend 𐎢𐎡𐎢𐎠 . . . 𐎢𐎡𐎢𐎠 (?)
181		In square with loops in segments السلطان الاعظم معز الدنيا والدين Wt. 54.5. S. .6.	Chauhān horseman to right. To right بهرامشاہ Above بن سلطان
181 A	Dehli	As on 181, but دہلی above السلطان Wt. 50.8. S. .6. <i>Ref. R. V. 32.</i>	
182- 183		In dotted circle as on 181. Wt. 54.5. S. .6.	Chauhān horseman to right. Above بهرامشاہ PL III.

No.	Mint Date	Obverse	Reverse
BAHRĀM SHĀH B 184-187*	—	<p>ابو المظفر بهرامشاه بن سلطان</p> <p>Wt. 55; 56. S. .6.</p>	<p>Rude horseman (Narwar).</p> <p>Pl. III.</p>
MAS'ŪD SHĀH A 187 A	?	<p>'ALĀU-D-DĪN MAS'ŪD SHĀH</p> <p>A.H. 639-644.</p> <p>GOLD</p> <p>In double square within circle, three dots in each segment</p> <p>في عهد الامام المستنصر بالله امير المومنين لله</p> <p>Margin wanting.</p> <p>Wt. 166.4. S. .92.</p> <p>Ref. J.A.S.B., 1910, p. 149 (now in Dacca Museum).</p>	<p>A.D. 1242-1246.</p> <p>SILVER</p> <p>In double square within circle, scroll work in segments</p> <p>السلطان الاعظم علا الدنيا والدين ابو شاه سلطان المظفر مسعود بن</p> <p>Margin wanting.</p>
188	[Dehli] 640	<p>In double square within circle, three dots in each segment</p> <p>في عهد الامام المستنصر امير المومنين</p> <p>Margin</p> <p>..... شهر سنة اربعين</p> <p>Wt. 165. S. 1.</p> <p>Other dates 639 (B.M.), 641 (L.M.C., 90).</p>	<p>In double square within circle, three dots in each segment</p> <p>السلطان الاعظم علا الدنيا والدين ابو المظفر مسعود شاه ابن السلطان</p> <p>Margin illegible.</p>

*Note to 184-187. Two coins in the B.M. have the butterfly form of 'h'—هـ. This was originally taken to be a coin of Ārām Shāh (see Thos., *Chron.* p. 40).

No.	Mint Date	Obverse	Reverse
R 188 A	—	As on 187 A, but loop and two dots in each segment and after أحمد ? المومنين Wt. 142 (worn). S. 1. Ref. <i>I.M.C.</i> , 116 (fig.).	As on 187 A. MAS'UD SHAH
188 B	—	As on 187 A. Wt. 163. S. 1-1. Ref. <i>I.M.C.</i> , 119 (fig.) and <i>J.A.S.R.</i> , 1881, p. 58 (8).	"
188 C	—	As on 188, but margin wanting. Wt. 144 (worn). S. 1-05. Ref. <i>I.M.C.</i> , 118.	As on 187 A, but in three lines, the last line reading المظفر مسعود شاه بن سلطان
189	—	As on 188, but المستعصم Wt. 169-3. S. 1. Dates recorded 641 (Th. 98), 642 (<i>I.M.C.</i> , 94), 644 (H.R.N.).	As on 188, but بن in fourth line.
B		BILLON	
190	—	Recumbent bull to left. On <i>jhāl</i> e On hindquarter e Around [सुरितान] श्री अलावदिण Wt. 57-8. S. .55. Cf. B (Lahor), p. 82. 11; wt. 60.	Chauhān horseman to right. Around श्री हमीर:

**NAS'UD
SHAH**

No.	Mint Date	Obverse	Reverse
B 190 A	— 640	As on 190, but on <i>jhāl</i> ۹۲ On hindquarter ۹۹ Legend wanting. Wt. 53. S. .55. Ref. R (Lāhor, p. 82. 12). 1299 S.=1242 A.D.=640 A.H.	As on 190.
191	— 641	As on 190, but on <i>jhāl</i> ۹ On hindquarter ۳۰۰ Wt. 55.3. S. .55. [1300 S.=641 A.H.]	" Pl. III.
192	—	As on 190, but دیبا On <i>jhāl</i> m.m. 14. On hindquarter ۹۰۹ Wt. 47. S. .55.	As on 190, but around سید پشایف
193	—	As on 192, but on hind- quarter .°. . Wt. 54.1. S. .55.	"
194— 195	—	As on 192, but پشایف On <i>jhāl</i> ۱۱ Mark on hindquarter miss- ing. Wt. 48.3; 46.5. S. .55.	As on 190, but no legend visible. (On one coin there are three dots .°. under the horseman.) Pl. III.

No.	Mint Date	Obverse	Reverse
B 195 A	—	As on 194, but on hind-quarter : Ref. H.R.N.	As on 190 MAS'UD SHAH
195 B	—	As on 192, but on hind-quarter < Wt. 50. S. .55. Ref. R (Lahor, p. 82, 13).	"
195 C	—	As on 192, but on hind-quarter ^ Ref. H.R.N.	"
196*	—	As on 194, but दीर्घ On <i>jhāl</i> ॥ On hindquarter ॐ Wt. 44.3. S. .55.	"
197	—	Recumbent bull to left. Around श्री अलाव सुरताण On <i>jhāl</i> १ On hindquarter ०१ Wt. 54.5. S. .55.	Chaubān horseman to left. Around सा बलीक Pl. III.
198- 201	—	As on 197, but on <i>jhāl</i> — On hindquarter २ Wt. 50.5; 44.2. S. .55.	"

*Note to 196. H.R.N. records a similar coin with ^ on hindquarter.

**MAS'UD
SHĀH**

No.	Mint Date	Obverse	Reverse
B 202	—	As on 198-201, but on <i>jhāl</i> 1 On hindquarter Q Wt. 52.7. S. .55.	As on 198.
203	—	As on 198, but अलाव Wt. 55. S. .55.	"
204- 207	—	As on 198, but अलावदी Wt. 55; 52. S. .55.	"
207 A	—	As on 204, but bull to right. Wt. 50. S. .55. Ref. I.M.C., 128 (6g.).	"
207 B	—	Recumbent bull to left. On <i>jhāl</i> m.m. 14. On hindquarter १२ Legend खी अलाव Wt. 50. S. .55. Ref. B.M.	"
208- 210	—	In circle of dots السلطان المعظم علا الدنيا و الدين Wt. 57; 52.5; 48.8. S. .56; .56.	Chauhan horseman to right. Above खी [हमीर:]

No.	Mint Date	Obverse	Reverse
B 211*- 214	—	<p>السلطان الاعظم علا الدنيا والدين</p> <p>Wt. 55.5; 54. S. .6.</p>	<p>Chauhan horseman to right. MASUD Above مسعود شاه السلطان *</p> <p>SHAH</p> <p>Pl. III.</p>
214 A	—	<p>As on 211-214, but adding in last line مسعود شاه</p> <p>Wt. 49.5. S. .6.</p> <p>Ref. B.M.C., 81.</p>	<p>As on 211-214, but no trace of السلطان</p>
214 B	—	<p>As on 211.</p> <p>Wt. 53.5. S. .6.</p> <p>Ref. B.M.</p>	<p>As on 211, but over horse مسعود شا</p>
215- 216		<p>السلطان الاعظم مسعود شاه بن سلطان</p> <p>Wt. 52; 44.5. S. .6.</p>	<p>Rude (Narwar) horseman.</p>
217*- 218	—	<p>....? المظفر مسعود شاه</p> <p>Wt. 58.5; 57.8. S. .6.</p>	<p>"</p>

*Note to 211. Under شاه and extending over the tail of the horse are letters which almost certainly stand for السلطان in the shortened form found on the gold coins of Muhammad Tughluq struck in memory of his father (see post No. 476).

*Note to 217. These coins may be pure copper.

No.	Mint Date	Obverse	Reverse
MAṢŪD SHĀH	B 218 A	As on 211. Wt. 48 S. .55 Ref. R (Lahor, p 81. 5)	ابو المظفر مسعود شاه بن السلطان
MAḤMŪD I	A/ 219*	<p style="text-align: center;">NĀṢIRU-D-DĪN MAḤMŪD I</p> <p style="text-align: center;">A.H. 644-664. A.D. 1246-1266.</p> <p style="text-align: center;">GOLD</p>	
	Dehli 653	In double circle as on 189. Small circles over عهد and مسعود <i>Margin</i> [عرب هذه] السكة بمحضرت دهلي في سنة ثلث وخمسين و ستمائة Wt. 169. S. 1-1. <i>Dates observed :</i> 657 (or 9) (B.M.); 658 (H.R.N.); 661 (R. IV. 11); 662 (B.M.); 663 (H.R.N.).	In double circle السلطان الاعظم ناصر الدنيا و الدين ابو المظفر محمود ابن السلطان An arrowhead over the من of ناصر and small circles over محمود and دنيا and عظم <i>Margin</i> As on obv. (parts of). Pl. III.
	219* (bis)	? As on 219. but without small circles in area. <i>Margin</i> عرب هذا السكة ... Wt. 166. S. 1.	As on 219, but دن for ابن and without arrowhead or small circles in area. <i>Margin</i> عرب هذا السكة ...

*Note to 219. Gibbs (N.C. 1885) refers to a coin of 650, but the illustration shows the existence of a unit before the خمسين. All the recorded coins except No. 219 have دن for ابن on Rev., and the coin figured in L.M.C. (No. 183) adds شهر before سنة in the margin.

*Note to 219 (bis). Acquired for D.M. in 1928. The lettering is very crude compared with the Delhi coins (No. 219), and this type probably issued from a Bengal mint. The formation of the Ya in the obverse inscription is distinctive. No other specimen in gold is known, but Cp. 225 and 226.

No.	Mint Date	Obverse	Reverse
<i>A</i> 219 A*	—	In double square within circle, four dots in segments. As on 187 A. No margins. Wt. 166.6. S. 1. <i>Ref. J.A.S.B., 1910, vol. vi, no. 4, p. 149.</i>	In double square السلطان الأعظم ناصر الدنيا و الدين ابو المظفر محمود شاه بن سلطان MĀHMŪD I
<i>R</i> 220*	Dehli 654	SILVER In double square within circle; as on 189. Annulets in top and bottom segments, three dots in right segment. Left segment blank. <i>Margin</i> ضرب هذه الفضة بحضرت دهلي في سنة اربع خمسين و ستماية Wt. 169. S. 1.1.	In double square within circle; as on 219. Annulets in top and bottom segments, three dots in the others. Arrowhead above the ص of ناصر <i>Margin (traces only of).</i>
221	Dehli 655	As on 220, but خمس خمسين Right and left segments blank. Wt. 168.8. S. 1.1.	As on 220, but in margin ضرب هذه الفضة بحضرت خمسين و ستماية and dots instead of small circles over عظم and محمود Right and left segments blank.
222	Dehli 659	As on 220, but تسع خمسين Right and left segments blank. No mark over عهد Wt. 168. S. 1.1.	As on 220, but in margin ضرب هذه تسع خمسين و ستماية No marks over عظم and محمود Right and left segments blank.

*Note to 219 A. Now in the Dacca Museum.

*Note to 220. Variations in the segmental ornaments are observed in coins of this date.

	No.	Mint Date	Obverse	Reverse
MAHMUD I	R 223	Dehli 662	As on 222, but اثنى و ستين	As on 220, but بن in place of ابن and in margin ... تحضرت دهلې في سنة ... اثنى
	224	Dehli 664	As on 222, but اربع ستين Wt. 169.3. S. 1.1.	As on 223, but in margin ضرب هذه ... ستين و ستماية Dot over عظم No mark over محمود Pl. III.

Dates observed :

644, 645, 647, 649, 650, 652 (H.R.N.). These have three dots in each segment, but the coin of 645 has no dots in the rev. segments.

653 (B.M.), 654, 655, 656, 657, 658 (Th.), 659 (D), 660 (Th.), 661 (L.M.C.), 662, 663, 664 (Th.).

225 ? Dehli	As on 220, but no margin visible. Three dots in each segment. No circle over المستعصم. Dot over عهد. Wt. 167. S. 1.1.	As on 220, but بن in place of ابن and three dots in left segment; other segments blank. No mark over ناصر of ص Dots over عظم and محمود Margin fragmentary, but illegible.
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The characters on this coin are very crude, as on 219 (*bis*).

225 A Badāun	In double square within circle في عهد الامام المستعصم امير المؤمنين In top segment بداون In other segments three dots. No margin. Wt. 165.5. S. 1.	In double square within circle; as on 219, but بن In bottom segment three dots; others not visible.
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Ref. L.M.C., 128.

No.	Mint Date	Obverse	Reverse
R 225 B*	Laknauti 645?	In double square within circle, two dots in segments في عهد الإمام المستعصم أمير المؤمنين <i>Margin</i> ... هذه تنكده بلكنوتى ... Wt. 169. S. 1-1. <i>Ref. I.M.C., 139 (fig.).</i>	In double square within circle; as on 219 A, but in segments MAHMÜD I Top ضرب Left بلاد Bottom ? Right هند No margin.
225 C	Laknauti 655	As on 225 B, but no dots in segments. <i>Margin</i> ضرب هذه تنكده بلكنوتى في صفر سنة خمس و خمسين و ستماية Wt. 170. S. 1-23. <i>Ref. J. A. S. B., 1881 (Hoernle), p. 69; I.M.C., 138.</i>	In double square within circle, scroll work in segments السلطان الأعظم ناصر الدنيا و الدين أبو المظفر محمود ابن السلطان No margin.
225 D	Laknauti 65-	As on 225 B, but no dots in segments. <i>Margin</i> ... هذه الضرب بلكنوتى ... خمسين [و ستماية] Wt. 140 (worn). S. 1-1. <i>Ref. I.M.C., 140 (fig.); J.A.S.B., 1881, p. 68.</i>	السلطان الأعظم ناصر الدنيا و الدين أبو المظفر محمود بن السلطان يوزبك

*Note to 225 B. Hoernle (*J.A.S.B.*, 1881, p. 60) thought that the word خمس could be made out in the margin, thus giving 645 as the probable date of the coin.

No.	Mint Date	Obverse	Reverse
MAHMŪD I AR 225 R	—	As on 187 A. No margins. Wt. 164. S. 1-1. <i>Ref. I.M.C., 134 (fig.).</i>	As on 219 A, with ornamental scroll in segments.
226 $\frac{1}{2}$	—	As on 225. Wt. 84. S. .95.	As on 220, but without trace of margin. Probably ابن for ابن. No mark over ناصر of من. Small circle over عظم and possibly over محمود Pl. III.
227 $\frac{1}{12}$	—	In dotted circle السلطان المعظم Wt. 13.2. S. .45.	In dotted circle ناصر الدنيا و الدين Pl. III.
B 228*- 232	—	BILLON In square area within circle with annulet above and below and curves in right and left sides السلطان الا عظم ناصر الد نيا و الدين Wt. 52; 51.8; 53.5. S. .6; .55.	Chaubān horseman to right. Above محمود To right سید حمید: Pl. III.

*Note to 226. Below محمود on the reverse is what looks like ابن, indicating perhaps the word سلطان on the left of the horseman.

No.	Mint Date	Obverse	Reverse
B 232 A	—	In square area without curves السلطان الاعظم ناصر الدنيا و الدين Wt. 57.8. S. .6. Ref. B.M.	As on 228, but the rider's MAHMUD body is slightly different. I
233- 236	—	As on 228, but no enclosing square. Wt. 54.7; 49.5. S. .6; .55.	Rude (Narwar) horseman.
237	—	" Wt. 34.5. S. .55.	" (reverse very worn)
237 A	—	As on 228. Wt. 18.7 (much cut). S. .45. Ref. I.M.C., 144 (a).	As on 228.
COPPER			
A 238*	—	السلطان ناصر الاعظم ✱ Wt. 46.2. S. .55.	In double circle ناصر الد نیا و الدین
238 A	Dehli	In circle عدل ناصری Wt. 17. Ref. H.R.N.	In square within circle, loop in each segment بخت دهلی

*Note to 238. Berlin has this coin with legends enclosed in double circles with dotted circle between. Weight 52.5 grains.

	No.	Mint Date	Obverse	Reverse
MAHMÜD I	Æ 239*	Dehli	In circle ثامرى عدل Wt. 12.3. S. 4.	In circle ت حىر دهلى Pl. III.
BALBAN	A 240	Dehli 671	<p style="text-align: center;">GHIYĀŞU-D-DĪN BALBAN</p> <p style="text-align: center;">A.H. 664-686. A.D. 1266-1287.</p> <p style="text-align: center;">GOLD</p> In circle الامام المستعم امير المؤمنين <i>Margin</i> ضرب هذه السكه بحضرت دهلى فى سنة احدى و سبعين و ستايد Wt. 169. S. 1-15. <i>Dates observed :</i> 667 (L.M.C.), 668 (R. III. 22), 669 (H. R. N.), 670 (B.M.), 671, 672 (B.M.C.), 673 (L.M.C.), 674 (B.M.), 675 (B.M.C.), 677 (L.M.C.), 678 (B.M.C.), 679 (L.M.C.), 680 (Th.), 685 (H. R. N.).	In circle السلطان الاعظم غياث الدنيا و الدين ابو الينظر بلبن السلطان <i>Margin same as on obv.</i> Pl. III.
	AR 241*	Dehli 675	<p style="text-align: center;">SILVER</p> In double square within circle; as on 240. <i>Margin</i> as on 240, but خمس و سبعين and الغنى Annulets in top and bottom segments, other segments blank. Wt. 167.5. S. 1-2. <i>Dates observed :</i> 664 to 675, 678, 684, 685.	In square within circle; as on 240. <i>Margin</i> as on obverse (parts of). Annulets in top and bottom segments, two dots in the others.

*Note to 239. H.R.N. has this with Obv. in dotted circle and Rev. in double circle; also one of Wt. 14.8 grs. with Obv. in circle and Rev. in double circle; also one of 11.7 grs. with Obv. in circle, Rev. in circle with dots outside; also one of 11.6 grs. with Obv. in circle with dots outside, Rev. in circle.

*Note to 241. B.M. has a variant of this type without dots in the segments on the Rev.

No.	Mint Date	Obverse	Reverse
AR 242	(Dehli) 684	As on 241, but سنة اربع و ثمانين و only legible in margin. Wt. 166. S. 1-2. Dates observed : 667, 672, 673, 674, 675, 676, 681, 684.	As on 241, but in double BALBAN square and no dots in seg- ments. Margin اربع و ثمانين
242 A	Alwar (Khitta) 664	As on 241, but in margin عرب هذه السكة بخط الورق سنة اربع Wt. 167. S. 1-15.	As on 241, but no dots in the segments, and in margin عرب اربع ستين ستاين Pl. XX.
The characters are cruder than on the Dehli coins. Ref. B.M.C., 105 (wrongly assigned to Dehli). The B.M. has two other specimens.			
243	Sultan- pūr (Khitta) 679	In single square within circle; as on 241. Annulets in top and bottom segments, the others blank. Margin عرب ... بخط سلطانپور ... سنة تسع و سبعين و ستاين Wt. 165-3. S. 1-15.	In square within circle; as on 240. Annulets in top and bottom segments, the others blank. Margin (traces only of) apparently the same as on obverse. Pl. III.
243 A*	Lakh- nauti (Khitta) 6--	As on 241, but in margin عرب هذه الفضة بخط لخنوتى [فى سنة] Wt. 168-5. S. 1-2. Ref. L.M.C., 156. Dates observed : 667 (? 9) (L.M.C.), 673 (A. N. S.).	As on 241, but no dots in segments. Margin عرب هذه ستاين

*Note to 243 A. On the A.N.S. coin the mint is written لخنوتى and the date has a word preceding it which appears to be محرم (Muharram), while on the obverse ستاين is omitted—also the annulets. See also L.M.C., No. 154.

No.	Mint Date	Obverse	Reverse
BALBAN <i>R</i> 243 B $\frac{1}{12}$	—	In dotted circle السلطان الاعظم Wt. 14. S. .45. Ref. R. III. 20.	غياث الدنيا و الدين Pl. XX.
B 244*— 246 $\frac{1}{24}$	—	السلطان الا عظم غياث الد نيا و الدين Wt. 55.5; 55.3. S. .55.	BILLON In circle بلين Around श्री सुचता महासद्दी
246 A	—	In square with curves in sides; as on 244-246. Wt. 55. S. .55. Ref. R. V. 1.	Chauhān horseman to right, legend illegible.
247	—	As on 244. (much worn) Wt. 18.5. S. .5.	As on 244.
Æ 248— 249	—	In circle with outer circle of dots السلطان الاعظم Wt. 72.5; 66.9.	COPPER In circle with outer circle of dots غياث الدنيا و الدين Pl. III.

*Note to 244. On some coins there are two straight lines above the legend on the obverse and traces of a dotted circle (cf. B.M.C. 115).

No.	Mint Date	Obverse	Reverse
Æ 249 A*	—	Within straight lines, with dots in upper segment السلطان المعظم S. -55. Ref. R. II. xviii (a) 2.	As on obv. غياث الدنيا و الدين BALBAN
249 B	—	As on 249 A, but الاعظم Wt. 56.2. S. -6. Ref. B.M.	„
249 C	—	As on 248. Wt. 35. S. -6. Ref. B.M.	As on 248.
250- 252	Dehli	In octagram عدل غياثي Wt. 26.3; 23.7; 23.8. S. -5.	In octagram بكرت دهلي
253	„	As on 250-252, but in square within circle, annulets in segments. Wt. 25.5. S. -5.	As on 250-252, but the form of the enclosing area is doubtful.

*Note to 249 A. See also Lahor, p. 83, 3, where two such pieces are recorded as of mixed metal, average weight 52.5. The lettering on 249 A and B is barbarous.

	No.	Mint Date	Obverse	Reverse
HALBAN	Æ 254 (sq.)	Dehli	As on 250, but not enclosed. Wt. 29. S. .4.	As on 250, but not enclosed.
	254 A	"	" Wt. 26.2. S. .5. Ref. B.M.	As on 250, but in square area with annulets in segments.
	254 B	"	As on 253. Wt. 23.5. S. .55. Ref. B.M.	As on 254 A.
	254 C	"	As on 250. Wt. 21.7. S. .5. Ref. B.M.	"
	255	Sulṭān-pūr	عدل غیاثی Wt. 31.2. S. .45.	ن بسلطان پور Pl. III.
	255 A	Fakhra-bād	In circle عدل غیاثی Wt. 35.8. S. .6. Ref. B.M.	In circle بفخر آباد Pl. XX.
	256	Dehli	In octagram with a triangle on each side, enclosing a dot; as on 250. Wt. 14.5. S. .5.	Enclosed as on obv.; as on 250.

No.	Mint Date	Obverse	Reverse
Æ 256 A	Dehli	As on 250, but in square within circle; loops in segments. Wt. 12.45. <i>Ref.</i> H. R. N.	As on 250, but enclosed as BALBAN on obv.
256 B	"	As on 250, but no enclosing area. Wt. 10.3. S. .35. <i>Ref.</i> R. VI. 20.	As on 250, but no enclosing area.
A 257	Dehli 688	<p style="text-align: center;">MU'IZZU-D-DIN KAIQUBAD</p> <p style="text-align: center;">A.H. 686-689.</p> <p style="text-align: center;">GOLD</p> In circle; as on 240. <i>Margin</i> عرب هذه السكه بحضرت دهلي في سنة ثمان و ثمانين و ستماية Wt. 167.3. S. 1.2. <i>Dates observed</i> : 686, 687 (H. R. N.), 688.	<p style="text-align: center;">KAIQU- BĀD</p> <p style="text-align: center;">A.D. 1287-1290.</p> In circle السلطان الاعظم معز الدنيا و الدين ابو المظفر كيقباد السلطان <i>Margin</i> , only faint traces visible. <p style="text-align: right;">Pl. III.</p>
AR 258	Dehli 686	<p style="text-align: center;">SILVER</p> In double square within circle; as on 240. Annulets in top and bottom segments. <i>Margin</i> عرب هذه الفضة بحضرت دهلي في سنة ست [و ثمانين و ستماية] Wt. 168.9. S. 1.2.	In double square within circle; as on 257. Annulets in top and bottom segments. No margin.

KAIQU-
BÂD

No.	Mint Date	Obverse	Reverse
R 259	Dehli 687	As on 258, but in margin .. دهلى فى سنة سبع و ثمانين ... Wt. 164.1 (worn). S. 1-2.	As on 258. Faint traces of margin.
260	Dehli 688	As on 258, but in margin ... الفقه تحفرت دهلى فى سنة ثمان و ثمانين Wt. 168.5. S. 1-2. <i>Dates observed : 686, 687, 688, 689 (H. R. N.).</i>	As on 258. No margin.
261 $\frac{1}{3}$	Dehli 686	In square السلطان الاعظم معز الدنيا و الدين Four dots in top and left segments, other segments not visible. Wt. 56. S. .9.	In square عرب تحفرت دهلى فى سنة ست و ثمانين و ستمائة Four dots in right and bottom segments, other seg- ments not visible. Pl. IV.
262 $\frac{1}{3}$	—	In square السلطان الاعظم Two dots in right and top segments. Wt. 27.5. S. .6.	In square معز الدنيا و الدين Two dots in right segment, one visible in top. Pl. IV.
262 A $\frac{1}{12}$	—	السلطان الاعظم Wt. 13.9. S. .45. <i>Ref. F. M. (Camb.)</i>	معز الدنيا و الدين Pl. XXIII.

No.	Mint Date	Obverse	Reverse
B			
263- 266 18	—	<p>السلطان الا عظم معز الد نيا و الدين</p> <p>Wt. 54.5; 51; 50. S. .65.</p>	<p>BILLON</p> <p>کیمیاد کی سولتا سوزودی (traces of dotted circle on one).</p> <p>KAIQU- BĀD</p> <p>Pl. IV.</p>
Æ			
COPPER			
267- 268	—	<p>In double circle, the outer one of dots</p> <p>السلطان الاعظم</p> <p>Wt. 64; 60. S. .7.</p>	<p>In double circle</p> <p>معز الدنيا الدين</p>
269	—	<p>"</p> <p>Wt. 49.1. S. .65.</p>	<p>As on 267-268, but with outer circle of dots.</p>
270*	—	<p>As on 267, but in single circle.</p> <p>Wt. 33.5. S. .65.</p>	<p>As on 267, but in single circle.</p>
271*- 275	—	<p>Within intersecting squares</p> <p>عدل معزى</p> <p>Wt. 29; 25.5; 25; 23.5; 22.5. S. .5.</p>	<p>Within intersecting squares</p> <p>تخصرت دملى</p> <p>Pl. IV.</p>

* Note to 270. This coin is of brass and may be a contemporary forgery.

* Note to 271. This is Thomas No. 119, where the weight given—59 grs.—must be a misprint for 29.

No.	Mint Date	Obverse	Reverse
KAIQU-BĀD			
Æ 275 A	—	As on 271-275, but in circle. Wt. 25.3. Ref. H. R. N.	As on 271-275, but in hexagon.
276*- 278	—	As on 271. Wt. 20.5; 20; 17.5. S. .45.	As on 271.
KAYÜ-MARS			
		SHAMSU-D-DĪN KAYÜMARS	
		A.H. 689 A.D. 1290	
		SILVER	
Æ 279*	Dehli ?	In double square within circle, annulets in top and bottom segments الامام امير المستعصم المومنين <i>Margin</i> ... هذه الفضة بحضرت دهلي Wt. 168.4. S. 1.2. <i>Date observed : 689.</i>	Enclosed as on obv. السلطان الاعظم شمس الدنيا و الدين ابو المظفر كيومرت السلطان No trace of margin.
			Pl. IV.
		COPPER	
Æ 279 A	—	In circle السلطان الاعظم Wt. 65.7. S. .6. Ref. B.M.	شمس الد نيا و الدين Pl. XX.

* Note to 276. R. (Lāhor, p. 84. 4) gives two coins (average weight 19 grs.) with the remark 'no squares'.

* Note to 279. The A.N.S. has a specimen recording the date تسع وثمانين وستمائة in the Obv. margin—wt. 165 grs.

TURKS

MUHAMMAD I (BIN SĀM)

**MUHAM-
MAD I**

Nos. 1 to 3 have been included with the idea of illustrating the gold and silver coinage of Muḥammad's Kingdom of Ghazni.
Catalogue
Nos. 1-36 A
Pages 5-12

No. 3 A, which is now in the Dehli Museum, is remarkable as being the earliest Indian gold *tanka*, the forerunner of the Mughal *ashrafi* and early East India Company *muḥar*. Apart from the Nāgarī in the margin, both its weight and the similarity of its reverse design with the Bengal issues of Īltutmish described below (Nos. 49 F *et seq*) stamp the coin as of Indian, probably Bengal,¹ origin. It will be noted that on it, as on the similar coins of Īltutmish, the Sulṭān is given the lesser title of *al-muẓim*, in spite of the fact that by A.H. 601, when the coin was struck, Mu'izzu-d-din's brother was dead and he was himself lord of Ghazni. The coin, which was obtained by Mr. Nevill from Rāwālpindī, is unique.

When the battle of Tarāori² opened to Muḥammad the gates of Hindūstān, the local gold currency consisted of small coins, based probably on a 40 *ratī* (72 grains) standard with a rude figure of Lakshmī on one side and the Rājā's name in Nāgarī on the other. With a keen eye to the advantages of propaganda, Muḥammad adapted his earliest coins to those of established popularity, retaining both the figure of Lakshmī and the Nāgarī characters, and substituting only his own name. Examples of this are seen in Nos. 4 and 5, which are adaptations of the coins of the Qanauj and Mahobā dynasties.

The same practice was observed in respect of the billon coins of 32 *ratīs*, with the bull of Śiva on the obverse and a horseman outlined on the reverse. These formed the mass of the local currency and were popularly known as 'Dehlīwāls'. No. 36 A shows the transition stage, the obverse bearing the name of the conqueror and the reverse that of the conquered—Prithvī Rājā. The latter was subsequently dispensed with and round the horseman appear the words *बी हमीरः*, the Nāgarī equivalent of the Persian *amīr*—Amīr—the title used by the Ghaznavī and Ghūrī kings (Nos. 10-13). Although mint-names do not appear on Muḥammad's coins—with one or two possible exceptions (Nos. 35 A and 36), it is permissible to assign with a reasonable degree of accuracy many of his coins to particular localities. For instance Nos. 7-9 with their modified Ghūrī horseman and square lettering are clearly coins current in Muḥammad's northern territories after his accession to the

¹ Bengal was conquered for Muḥammad in A.H. 599.

² Tarāin (Vincent Smith). Tarāori (Talāwari) is near Pānīpat.

MUHAMMAD I throne, when he was السلطان الاعظم. Similarly Nos. 17-19 may be safely assigned to Narwar and its neighbourhood, the debased representation of the horseman being characteristic of the coins of that locality (Cunn. C. M. I., pl. X). Nos. 10-13 are 'Dehliwāls' *par excellence*, and it is suggested that the crescent under the horseman in Nos. 14 and 15, which also appears subsequently on the coins of Maḥmūd son of Muḥammad and Yildiz, indicates a Lāhor mintage. The remarkable coin No. 15A with its unique substitution of 'Sikandar' for 'Sri' in the obverse legend possibly hails from the same locality. Nos. 20-23 have also been assigned by Thomas to Lāhor. The title المعظم shows that they belong to the period of Muḥammad's delegated sovereignty, and they were possibly replaced later by the type of No. 16, the lettering on which points to a Lāhor origin. The place of issue of the little rayed copper coins (Nos. 33-35) is obscure. The bull on them is of the Kuramān type and the issue of a similar type by Yildiz suggests a northern mintage. In this connexion, however, attention may be called to coin No. 36 with its suggested reading اچين in the rayed circle.

It may be noted that except in the issues of Dehli and Narwar the weights of Muḥammad's billon coins seldom come up to the indigenous *purāna* standard of 32 *ratls*, or 57.6 grains. This does not seem to be due to wear and tear but rather to the lower standards prevailing in the north during Ghaznavī ascendancy, and therefore influencing Muḥammad's currency.

Assay (App. B) suggests that the *Dehliwāl* (No. 10) contained 150 parts of fine silver out of 1000. Out of ten coins selected at random three were altogether devoid of silver and these may reasonably be regarded as coins that were introduced into the currency by illegitimate methods. The remaining seven give an average silver content of nearly 7.75 grains. A very slightly lower average (7.07 grains) is found in the six assayed coins of Narwar issue (No. 17).

**MAḤMŪD
BIN
MUḤAM-
MAD**

MAḤMŪD BIN MUḤAMMAD

Catalogue
Nos. 37-38
Page 12

On the assassination of Muḥammad the headship of the family vested in his nephew Maḥmūd, the son of his elder brother, but the Ghazniḥ sovereignty was assumed by Tāju-d-dīn Yildiz apparently without opposition from Maḥmūd, who was content with the northern provinces of his father's kingdom. Thomas (p. 31) writes 'whether these coins were issued by Yildiz, or by local governors opposed to his pretensions on Muḥammad Ghūrī's death, or even, as is not impossible, minted by Qutbu-d-dīn himself, in the outlying districts of Lāhor, it would be premature at present to attempt to decide'. Nothing to alter this appreciation has since come to light. Indeed that these coins were issues of

Qutbu-d-dīn, who was indebted to Maḥmūd both for his manumission and confirmation in the sovereignty of the Indian provinces, is highly probable.

**MAḤMŪD
BIN
MUḤAM-
MAD**

TĀJU-D-DĪN YILDIZ

YILDIZ

Yildiz was not a Sultān of Dehlī, and his coinage scarcely comes within the scope of this Catalogue. The list of coins described is in no way comprehensive.

Catalogue
Nos.
39-49 A
Pages 12-14

As already stated (p. 68) he became ruler of Ghazni after Muḥammad's death in 602 A.H., and as such exercised sway over the Indian dependencies of the Ghazni dynasty, including Lāhor. For these, it may safely be assumed, coins Nos. 44-48 A were struck, with the familiar modification of the Kābul horseman and the characteristic square lettering of that locality. Kuramān is on the north-west frontier of India and lay on the route of Muḥammad bin Sām's various expeditions. Yildiz was in charge of this district before Muḥammad's death, and he seems to have established the mint there.¹ The coins are distinguished by the figure of a standing bull on the obverse (No. 49 A). After Qutbu-d-dīn Aibak's death Yildiz attempted an invasion of India on his own account but was defeated by İltutmish in A.H. 611, captured, and imprisoned in Badāūn where shortly after he died or was murdered.

QUTBU-D-DĪN AIBAK

AIBAK

Though we are told that Qutbu-d-dīn Aibak did coin money in his own name, none but a few little copper pieces of the rayed circle type, which most probably were issued from Kuramān, have come to light.

Catalogue
Nos.
49 B-49 E
Pages 14-15

Similarly none are known of his son Ārām Shāh. Those attributed by Thomas to him have been shown by more complete specimens to be coins of Bahrām Shāh (Nos. 184-187), while the coin assigned by Longworth Dames (*J. R. A. S.*, April, 1908, 'The Mint of Kuramān') to the same Sultān is a coin of İltutmish—No. 88 of this catalogue.

İLTUTMISH

**İLTUT-
MISH**

The name of this Sultān has generally appeared in Catalogues as 'Altamsh', but this word has no meaning in Türkī and various emendations have been suggested. The most authoritative of these is that of

Catalogue
Nos.
49 F-153 C
Pages 15-37

¹ An interesting paper on 'The Mint of Kuramān', by the late Mr. M. Longworth Dames, appeared in the *Journal of the Royal Asiatic Society* for April 1908.

**ILTUT-
MISH**

Professor Barthold (*Zeitschrift der Deutschen Morgenländischen Gesellschaft*, Leipzig, 1907, p. 192) who gives convincing reasons for the form 'İltutmish'—'maintainer of the kingdom'. This was foreshadowed by Stanley Lane-Poole in *B.M.O.* (1884), p. xxix, though a different interpretation was given. The form 'İltutmish' has been adopted in the *Cambridge History of India* (vol. iii). It is supported by a large preponderance of numismatic evidence. Though no less than four forms of the name appear on the coins—viz. التمش — ايلتمش — التمش and ايلتمش—the last of these four is by far the commoner. Sir Denison Ross has drawn attention (*B.S.O.S.*, 1932, p. 1101 (Notes and Queries)) to two poems in the *Tubaqāt-i-Nāsiri* of Minhājū-s-Sirāj where the two 't's' are required by the metre. They are given clearly in the Nāgarī transliteration on the reverse of coin No. 121 of this Catalogue.

As regards the first syllable, the numismatic evidence is strongly in favour of the long initial Ī. On the coin No. 121, which is the only specimen known to me on which the beginning of the second line of the Nāgarī legend is visible, the first letter, though not clear enough for certainty, is almost undoubtedly an initial long Ī. Badāūnī calls the Sultān ايلتمش but attaches to the word a meaning that cannot be accepted (Thomas, *Chron.*, p. 44 and note).

Professor Barthold points out that the reading 'tut' is supported by a very fine MS. of the *Tājū-l-Ma'āsir* of Nizāmī (dated A.H. 829) in the University library of St. Petersburg, in which the 'u' vowel mark is shown. Major E. de Zambaur in his list of the Governors of Al-Rayy¹ gives the name of İltutmish-al-Turkī as the Governor in A.H. 289.

There are but two gold coins of İltutmish known. One of these belonged to Colonel Guthrie and is described by Thomas (*Chron.*, p. 78). It is now in Berlin. The other is in the cabinet of the American Numismatic Society. In weight they follow what, it is suggested, was the indigenous Indian standard of 40 *ratīs* (= 72 grains). They are both, probably, of Bengal origin as the mint name, Gaur, in the obverse area of one of them shows, and thus they help to fix the mintage of the silver *tankahs* Nos. 49 H, I, J.

The silver *tankah* of İltutmish is seldom obtainable, in spite of the apparently large number of varieties catalogued. No less than six of these varieties, however, are known from a single find only. Some fifty-five years ago a small but valuable hoard of 37 pieces was discovered in the fort of Bihār, at that time in the province of Bengal. In 1880 another small hoard of 38 silver coins was found within the municipal limits of Gauhati (Assam). Only 14 of the coins were, however, recovered. The coins of the Bihār find, which came into the hands of

¹ *Manuel de Généalogie et de Chronologie pour l'histoire de l'Islam*, Hanover, 1927, p. 44.

Colonel Guthrie and are now in the Kaiser Friedrich Museum, Berlin, have **ILTUT-** been dealt with fully by Thomas in his *Initial Coinage of Bengal*, **MISH** Part II, 1873, to which reference may advantageously be made. The Gauhati coins are described by Dr. Hoernle in *J.A.S.B.*, 1881, p. 53.

The contents of these finds included 'so many clearly local pieces' that on that ground and on their provenance Thomas had no hesitation in attributing the coins bearing the names of the Dehli Sultāns to a Bengal origin. This conclusion receives strong confirmation from the gold piece No. 49 F referred to above, of which No. 49 I is, but for the absence of mint-name, an exact counterpart. Hoernle (*J.A.S.B.*, 1881, p. 70) on the other hand was inclined to the view that the absence of any mint-name on a coin of a Dehli Sultān implied that the coin was minted at Dehli. But the weight of the evidence appears to be in favour of Thomas's conclusion. It is significant that with the exception of a single piece found in the district of Gurgaon in the Panjab none of these silver 'horseman' coins has been found north of Bihār.

The silver *tankahs* of Īltutmish fall readily into four groups. The first of these, which provides the earliest examples of the Indo-Muḥammadan *tankah*, is characterized by the figure of a horseman at the charge carrying a mace on the obverse. In the reverse legend the Sultān is entitled **القطبي** (Al Quṭbī), which, as Thomas points out, may refer to his original position as a freed slave of Quṭbu-d-dīn Aibak, whose son-in-law he subsequently became, or to the fact that he belonged to the Quṭbī as opposed to the Mu'izzī faction of nobles, 'who had already tried conclusions with each other, to the disadvantage of the latter'.

The dates on these horseman *tankahs* (A.H. 614 and 616) show that they must have been struck by Ḥisāmu-d-dīn 'Ewāz Governor of Bengal in acknowledgement of the claims of Īltutmish to the Sultanate. Īltutmish did not himself go to Bengal till A.H. 622.

The other three groups have on their obverses the names respectively of the **Khalīfas**, Al Nāṣir-li-dīn Allah who died in A.H. 622, Al Zāhir, his successor, and Al Mustansir b'illah, who followed his father in the **Khalīfate** in A.H. 623.

Group III is known by three coins only, all found in Bihār.

Group IV contains the rare coin or medal (No. 50 c) which records only the name of the **Khalīfa**. This, as Thomas suggests, was probably struck to commemorate the arrival of the **Khalīfa's** diploma of investiture in A.H. 626.

Attention may be called also to the *tankah* No. 52 A and half *tankah* No. 53, both of which are unique. The legends of the interesting coin No. 52 can be pieced together as follows from specimens in various cabinets.

**İLTUT-
MİSH**

Obv. (B.M., I.M., D.M.) عرب هذا الفصد (B.M.) في بلاد الهند
(B.M. I.M.) تحضرت دعلى.

Rev. (D.M.) من خراج قنوج و كفر (D.M. I.M.) شهر
(B.M.) سنة اثنى و ثلثين و ستماية.

The reading *من خراج قنوج و كفر*, which is now suggested, must be regarded as tentative. It would mean 'out of the capitation *kharāj* = *jizya*) levied on Qanauj and infidels'.

The reign of İltutmish stands out as a landmark in the coinage of Dehli. There need be no hesitation in advancing the proposition that his *tankah* was, as the weights indicate, the model on which the *tankahs* of subsequent Sultāns were based, and to them can be traced the modern 'rupee'. It has been shown in the article in App. A, reprinted from the *J.A.S.B.*, that there is good reason for supposing that the *tankah* represented a *tolah*—as Ferishta tells us in connexion with the *tankahs* of 'Alāu-d-din—and that the *tolah* consisted of 96 *ratīs*, as found later by Bābur. The division into 100 *ratīs* suggested by Thomas, for which a somewhat farfetched reliance is made on the authority of the early post-Vedic commentaries, is not reconcilable with the coins. For the weight of the official *ratī* in grains an arbitrary figure (1.8 grains) which does not differ largely from the various speculative figures hitherto put forward and which fits in with the ascertained weights of the coins, has been adopted. Thus the normal weight of the *tankah* should have been 172.8 grains at the time of issue.

To İltutmish also, it would seem, belongs the credit of introducing the *jital* into the currency as a specific coin. We have no contemporary records to assist us in determining what were the relative values of the coins under the new scheme. It has hitherto been accepted that the *jital* was 'merely a continuation of the old Hindū *Dehliwāls* under the more popular and less exclusively metropolitan name' (Th., p. 47). The assay results, however, as set out in App. B, suggest that this view requires modification. They go to show that the *Dehliwāl* contained—taking the average of 13 coins—from 7 to 8 grains of silver, but that the coin which İltutmish introduced as his billon unit, though it resembled closely the *Dehliwāl* in type and general appearance, represented a much lower intrinsic value. Four of these coins (No. 54) have been assayed and give a mean return of 3.90 grains of silver. This is perhaps hardly a sufficient basis for a definite valuation but is probably not very wide of the mark. Exactitude and homogeneity in the composition of the individual billon coins was practically an impossibility. The assay therefore of a larger number of coins of the different varieties issued by

İltutmish is much to be desired and would yield valuable metrological **İLTUT-** information. But it is clear from the assay of coins of similar type **MISE** struck by Bahrām Shāh, Mas'ūd Shāh, and Nāsiru-d-dīn Maḥmūd that the lower value started by İltutmish was intentional and persisted. This may explain why the author of *Tājū-l-Ma'āşir*, who lived in the first half of the seventh century A.H., 'refers his money value nearly exclusively to *Dehliwāls* while Minhāju-s-Sirāj who had more extensive and later experiences reckons his totals in *jītals* and *tankahs* of silver' (Th., p. 47). The earliest reference that I can trace to the use of the expression *jital* in contemporary histories is in the *Tabaqāt-i-Nāsiri* (E. D., ii, p. 322).

'Qutbu-d-dīn purchased him (İltutmish) and the other slave for one lakh of *jītals* (in Dehli).'

But it must be remembered that Minhāju-s-Sirāj was writing when the term *Dehliwāl* was no longer in common use. If the *Dehliwāl* was also a *jital*, İltutmish must have devalued the *jital* for adaptation to his new currency scheme. That the *jital* cannot have been merely money of account, as Thomas seemed to think, we know from passages in contemporary literature from which the existence of the *jital* as 'a palpable coin' must necessarily be inferred.¹

At the end of the seventh century we have Ferishta's authority for the proposition that the *tankah* was equivalent to 50 *jītals*. There had been no material alteration in the coinage by that date since the time of İltutmish. It may then be reasonably suggested, if the coins themselves support the suggestion—as they do—, that the *tankah* of İltutmish was equivalent to the same number of *jītals* as that of 'Alāu-d-dīn. Assuming, however, a *tankah* of 96 *raṭṭs*, and taking the ascertained silver content of the billon coins, an equation of 48 *jītals* to the *tankah* would be more in keeping with probabilities than one of 50 *jītals*. The fractional silver issues of the seventh century point emphatically to a *tankah* of 48 *jītals*. To that extent Ferishta's statement, which after all was made some centuries later, must be regarded as indirectly corroborative rather than implicitly correct. It seems likely that Ferishta, a resident of the Dakkhan, had in mind the 50-*jital tankah* of which there is evidence in the reign of Muḥammad-bin-Tughluq and which was current chiefly in South India.

¹ This may be illustrated by the following extracts:

On Friday the 7th, Zi-l-Qa'da (639), the followers of Khwāja Maḥzab (in revolt against Bahrām Shāh) distributed 8000 *jītals*. (*Tabaqāt-i-Nāsiri*, E. D., ii, p. 342.)

Purses and bags filled with *tankahs* and *jītals* were distributed (by 'Alāu-d-dīn). (*Tārīkh-i-Firās Shāhi*, E. D., iii, p. 161.)

No Hindu could hold up his head, and in their houses no sign of gold or silver. *tankahs* or *jītals* . . . was to be seen. (*Idem*, p. 183.)

A pitcher of water fetched 20 *jītals* to half a *tankah*. (*Idem*, p. 198.)

Travellers . . . had to pay as much as 4 *jītals* for a pitcher full of water. (*Idem*, p. 299.)

**İLTUT-
MİSH**

The *jital* then may be taken as equivalent to 2 *ratīs* of silver—or 3.6 grains on the weight accorded to the *ratī* in the article reprinted in App. A. And it is, we think, safe to assert that the coins which assay has shown to approximate that silver content were *jitals*.

Large numbers of these *jitals* were issued by İltutmish in imitation of Muḥammad's *Dehlīwāls*, with his name in Nāgarī—'Suritān (Sultān) Srī Samasadin'—over the bull and 'Srī Hamīra' round the horseman. From Nos. 54-67 it will be seen that a large variety of marks—possibly indicating the year of issue or the moneyer of the time—appears on the *jhāl* and hindquarter of the bull. Those on Nos. 67 and 67A seem to refer definitely to the years of issue—s. 1289 and 1290 = A.H. 629 and 630, and Nos. 121-122 provide another example of a date on a billon coin, in this case both in the Samvat and Hijrī eras. These latter coins, with the Nāgarī inscription and a date occupying the full reverse, are adaptations of the Narwar issues and Thomas suggests that they were struck on the conquest of Rantambhor.

Nos. 68-72 are interesting as enabling the complete legend round the bull to be restored and it is suggested that this billon issue was intended to publish the Khalifa's recognition in A.H. 626 in the same way as the silver *tankah* No. 50 c. Nos. 73-77 with 'Srī Shalifa' over the bull and 'Srī Hamīr' over the horseman mark the succeeding stage.

No. 81 is another example of the suzerainty of the Dehlī Sultān being acknowledged on the coins by the local Hindu Rājā—as observed above in the case of Muḥammad bin Sām and Prithvī Rājā (No. 36 A). This coin superseded Chāhaḍa Deva's own coins with a similar reverse but on the obverse 'Asāwarī Srī Samanta Deva' round the bull, and was itself superseded by No. 81 A.

The coins with the Sultān's name in Arabic on the obverse and the horseman reverse were probably issued for currency in the north, but No. 111 and those following show that the type was extended to more southerly Hindu provinces. In No. 122 B and most of the copper issues İltutmish confined himself to Arabic legends on both sides.

In addition to the four specimens of No. 54, two of No. 91, and one of No. 81 have been assayed, and returns show that they correspond in silver content with the *Dehlīwāls* of Muḥammad bin Sām. No. 81 was probably only an adaptation of Chāhaḍa Deva's own coins for local currency, but No. 91 would presumably represent, allowing for some debasement, a 3-*jital* piece or sixteenth of a *tankah*—the equivalent of the modern *anna*.

There are numerous copper coins belonging to this period which do not bear the name of any king but have always been assigned to İltutmish. From their type they clearly belong to this period. Curiously enough, considering its value as propaganda, the publication of the reigning

monarch's name on the copper coinage does not appear to have been held **İLTUT-** as of such importance as on issues of higher value. We have the same **MISH** phenomenon in the copper issues of Bābur, Hnmāyūn, and even Akbar.

No. 134 starts a type which continued down to the reign of Ghiyāsu-d-dīn Tughluq and thus provides a basis for certain metrological conclusions which are discussed in App. A. In connexion with Nos. 138-139 reference may be made to Longworth Dames's paper in the *J.R.A.S.* of April 1908 on 'The Mint of Kuramān'. The mint-name was read as Multān by Thomas (*Chron.*, p. 76) who observed that ب was substituted for م in many MSS. of the *Tabaqāt-i-Nāṣiri*. Longworth Dames, however, assigns these coins to Banlān (Banū) on the north-west frontier and considers that they may have been issued by the Khwārizm Sultāns between A.H. 611 and 618. This view has much to commend it, but the uncertainty justifies the inclusion of the coin in this series, especially as No. 122 D shows that **عدل السلطان** was a phrase used by İltutmish on his coins.

İltutmish was a great moneyer. That he established the silver *tankah* and the billon *jital* on a firm footing was in itself a remarkable achievement. The influence of his silver *tankah* may be said to have continued down to the present day. His incorporation of the indigenous 32-*rati* weight standard into his currency scheme was a skilful move which made for both popularity and permanence. İltutmish may also be credited with extending to India the trans-frontier practice of putting on the *tankah* the name of the mint-town,¹ a practice which was continued in subsequent years by his successors and to a still greater extent by the Sūris and the Mughals. Moreover, he enhanced the importance to be attached to the currency by the complete provision which he made in the copper coinage for the needs of all, even the poorest, his 'adls' being found weighing as little as 8 to 10 grains. We may surmise that these small pieces bore no fixed relation to the 40-*rati fulūs*, No. 134, but were dealt with in the markets on their metal value.

FIRŪZ I

FIRŪZ I

No gold coins of this Sultān are known and but few of his silver *tankahs*. His reign, indeed, only lasted seven months. It will be noticed that both Firūz and Raṣīyya sought to enhance the security of their tenure of the throne by invoking the aid of their father's name on their coins, giving him the higher title **الاعظم** while retaining for themselves the inferior **المعظم**.

No. 153 D is an outstanding coin, of which only two specimens are

¹ If we except the *dirham-tankah* struck by Maḥmūd of Ghazni at Maḥmūdīpūr (Lāhor) two hundred years earlier (Thomas, *Chron.*, p. 48).

FIRUZ I known. One of these is in the British Museum (from General Cunningham); the other in the Lucknow Museum was recently acquired from the cabinet of the late Mr. Longworth Dames. An unusual but commendable feature of this coin is the position assigned to the date and mint in the area instead of in the margin where they ran great risk of being obscured in process of striking. Another similar instance will be observed in the coinage of Mu'izzu-d-din Kaiqubād (No. 261).

The billon currency is confined to the three varieties of *jital*s—(a) the bull and horseman type of the old *Dehliwāl*, (b) the northern India issue with its Arabic legend in place of the bull, and (c) the Central India coin with the rude Narwar reverse.

No copper coins are recorded.

RAẪIYYA

RAẪIYYA

Catalogue Nos. 161-171 B
Pages 40-43

No gold coins of RaẪiyya are traceable, though Mr. Gibbs in the *Num. Chron.* for 1885, Pt. III, p. 216, refers to two of which he had heard. Her silver *tankahs* are of three types—all very scarce. On No. 161 it will be seen that RaẪiyya uses her father's name to the exclusion of her own, the only indication that the coin is hers being the date and the *نصر* in the last line of the reverse area. Three specimens only are known of the second type, which is of the *Dehli* mint (No. 161 A). The third, which is the least rare, is a Bengal issue. It is known of three dates—A.H. 634, 635, and 636. On this issue the Sultān is entitled *جلالة الدين* but on the second type and on her billon coins she appears as *رضية الدين*.

On her billon *jital*s RaẪiyya discards the bull obverse in all her types. The earliest issue is clearly that on which she calls herself *المعظم* and 'daughter of' (*بنت*) the Sultān. It is a little surprising to find her reviving the rayed circle copper type, if Nos. 170 and 171 were struck by her. Neither her predecessor nor her successor issued any coins of lower value than the *jital*. There can have been no scarcity of her father's copper currency.

BAHRĀM

BAHRĀM

Catalogue Nos. 172-187
Pages 43-46

No gold coins of this Sultān have been found and his silver *tankahs*, of three varieties, are scarce. The third variety (No. 172 B—now in the Indian Museum, Calcutta) is known from a single specimen in a find in the Murshidābād district of Bengal.

Bahrām's *jital*s are of several types. A special feature of interest is the substitution of the Sultān's name in Arabic over the horseman in place of the usual 'Sri Hamira' on what I have called the northern India

issues. The insertion of the mint-name 'Dehli' on one variety of this **BAHRĀM** type is to be noted as indicating its more southerly extension. No coins of smaller denomination seem to have been struck.

A single specimen of the *jital* (No. 176) which has been assayed gives a silver content of 3.10 grains, showing that Baharām carried on the *jital* of Īltutmish.

MAS'ŪD

MAS'ŪD

After a long break we again come to a gold currency. But it is represented by a solitary coin (No. 187 A). This was obtained in Calcutta in 1909 and is described by Mr. H. E. Stapleton in Pt. I of his 'Contributions to the History and Ethnology of North Eastern India' (*J.A.S.B.*, 1910, p. 149). It is the counterpart in gold of the silver *tankah* (No. 188 B) which was found at Gauhati (Assam) in 1880 (*J.A.S.B.*, 1881, p. 58) and is figured as No. 119 in the *I.M.C.* Its provenance and that of the silver *tankah* resembling it, together with the peculiar lettering (the distinctively Bengal rendering of the **امير** may be instanced), indicate that these coins were struck in Bengal rather than in the capital. The same may be said of Nos. 188 A and 188 C. No. 188 is clearly a Dehli struck coin. All these four types bear the name of the Khalifa Al Mustanṣir bi'llah, the latest date known being A.H. 641. Coins with the name of Al Must'asim, who succeeded in A.H. 640, start from the same year. They are difficult to get with a clear date. Indeed the moneyer's art seems to have touched a very low point in this reign.

Mas'ūd's billon currency provides another example of dated coins, presumably *jittals*, (Nos. 190 A and 191) of the type noticed in the reign of Īltutmish (Nos. 67 and 67 A). No. 207 A on which the bull faces to the right is a rare coin. Of the northern India issues there is an earlier type on which the Sultān is entitled **المعظم** and a later one on which is **الاعظم**. An assay of six coins of these last two varieties by Mr. Plenderleith gives a resultant average of $2\frac{1}{2}$ grains of silver per coin. A further assay of four specimens of No. 211 at the Royal Mint yields an approximately similar result (2.31 grains). Thus it is clear that Mas'ūd made no attempt to retain the standard of Īltutmish and we may, I think, conclude that the billon coins were seldom intended to be more than tokens which it was open to the Sultān to debase or not as circumstances or fancy dictated.

In this reign again we find no coins of smaller value than the *jital*.

Catalogue
Nos.
187 A-218 A
Pages 46-52

MAHMŪD

I

MAHMŪD I

Catalogue
No.

219-239
Pages 52-58

With Nāsiru-d-dīn Maḥmūd gold begins to assume a larger importance in the currency. The coins are also of improved artistic merit. But the gold *tankahs* are by no means common. Thomas does not record one. The Dehli issue appears to have been restricted to the last half of the Sulṭān's reign, No. 219 of A.H. 653 being the earliest so far observed.

No. 219 A is of special interest. Its counterpart in silver is the *tankah* No. 225 E which has provided so much food for speculation (Thos., pp. 81-84 and *J.A.S.B.*, 1881, pp. 62-65). Thomas attributed the coin to the Nāsiru-d-dīn Maḥmūd, eldest son of Īltutmish, who was Governor of Bengal and died in A.H. 629. This attribution, however, has been convincingly refuted by Hoernle. At the same time one may venture to disagree with Hoernle's conclusion that the mint from which these two coins came was Dehli and assert with some confidence that they were of Bengal origin. They bear a striking resemblance in lettering and style to Nos. 225 B and C, and other coins which are admittedly of Bengal mintage. The method, for instance, of writing *امير* and *الا* on the obverse is characteristic of the Bengal issues of the time, and it may be noted that 219 A, 225 E, and 225 B (the latter a Laknauti coin) all call the Emperor *محمود شاه بن سلطان*. 'Their obverses are identical with those of the gold and silver *tankahs* of Mas'ūd (Nos. 187 A and 188 B) both of which had their provenance in the Bengal quarter.' The absence of gold Dehli *tankahs* earlier than A.H. 653 combined with their regular issue subsequently and their careful record of the mint is also against No. 219 A hailing from Dehli. It is a reasonable assumption that this coin and its corresponding silver *tankah* were struck in A.H. 644, a hurried issue making use of an existing obverse die either inadvertently or perhaps in ignorance, owing to the distance from the capital, of the change in the *Khalifate*. This issue quickly made way for the 225 B type, struck probably in A.H. 645.

Practically every year of the reign is represented in the series of the ordinary Dehli silver *tankah* and the coin is only uncommon in good condition. No duplicates, however, of the five *tankahs* 225 A to E are traceable.

No. 225 D on which, after the Sulṭān's name, the word *يوزبك* is decipherable in an otherwise obscure legend, was apparently struck by Ikhtiyāru-d-dīn Yūzbak (Mughīṣu-d-dīn), the Governor of Bengal, when meditating the independence which he had assumed, as other coins show, by A.H. 653, and Hoernle is probably correct in fixing the date as A.H. 651 or 652.

No. 225 c, struck at Laknautī in A.H. 655 in the month of Šafar, **MAHMŪD** may be regarded as marking the termination of that independence. **I**

No. 225 A is a notable coin in the Lucknow Museum giving the mint-name of Badāūn, a town, now the head-quarters of a district in Rohilkhand, United Provinces, which was of considerable importance at the time. No. 226, a unique half rupee, was originally in the cabinet of Mr. C. S. Delmerick.

In this reign we get the first tiny silver *māshus*, twelve of which went to the *tankah*. They can hardly have been a convenient coin and were possibly confined to largesse. On them the Sultān calls himself المعظم. Rodgers thought he could read المعظم on one of these coins (R. iv. 15) but the reading is doubtful.

Mahmūd's billon types present no unusual features except that half pieces seem to have been struck.

An assay of nine ordinary specimens of No. 228 undertaken by Mr. Plenderleith of the British Museum staff showed that the average silver content of each coin was about 3 grains. A further assay of eight coins of the same type at the Royal Mint gives a silver resultant of 3.21 grains per coin. In the face of these two independent assays, confirming each other, it is difficult to account for the statement of Thomas on p. 127 of the *Chronicles* that twelve coins of the same type assayed 'by the usual native process of blowing-off the copper with lead', gave a return of 12 grains of silver per coin. That an error has crept into this statement, or the assay to which it referred, is clear. The improbability of a silver content as high as 12 grains per coin is further supported by the results of the assay of the 'bull and horseman' *jitals* of Mahmūd's predecessors of which No. 228 was the direct successor.

It is necessary therefore to modify the statement in N. S., xxxviii, (App. A.), that a *jital* at this time represented one-twelfth of a *tankah*, a theory which was based on the assay results quoted by Thomas. It now seems more reasonable to suppose, as has already been noted in connexion with the coinage of İltutmish, that the equation 1 *tankah* = 48 *jitals* which will be found to be current in the time of Muḥammad Tughluq had an earlier origin and was, indeed, contemporary with the introduction of the silver *tankah* by İltutmish. That there was in the reign of Muḥammad bin Tughluq a *tankah* of 50 *jitals* will be seen later, but the evidence indicates that it came to Dehli from South India.

The copper currency of this reign is very scarce and consists mainly of minute pieces ranging from 12 to 17 grains, examples of which have been seen in an earlier reign. The weight, however, of No. 238 is

BALBAN

BALBAN

Catalogue Balban's gold and silver *tankahs* are well struck in bold relief. They
 Nos. follow the standardized types—legends in circular areas for gold, in square
 240-256 B areas for silver.
 Pages 58-63

The main interest in the currency of this reign lies in the extension of the mint system as shown by the existence of coins—both silver and copper—struck at mints other than the Capital viz. Alwar, Lakhnauti, Sultānpūr, and Fakhṛābād. On the silver coins the word *Khitta* ('district') precedes the mint name. The coins are Nos. 242 A, 243 and 243 A, 255 and 255 A and are of great rarity. Fakhṛābād has not been allocated. The fabric of the Sultānpūr coins suggests a northern origin, and Sultānpūr is probably the town of that name on the east bank of the river Beās in the Kapūrthala State (N.S., xxxv, p. 129).

The small silver *māsha* continued to be struck but few are known.

This reign sees the last appearance of the horseman on the billon coins, and No. 246 A is the only specimen recorded of its type. It belonged to General Cunningham but seems to have been lost at sea with so many other coins from the same cabinet.

Balban started a new bilingual type of his own (No. 244) in mixed metal which his successors imitated. An assay of nine of these coins (excluding one of pure copper) shows that they contain on an average a little under five grains of silver per coin (App. B.). An assay of 25 coins of 'Alāu-d-dīn Muḥammad, of similar type and evidently intended to represent the same value, gives an average silver content of 4.25 grains per coin. In both cases the silver exceeds the requirements for a *jital*. Were these coins intended to be 2-*jital* pieces—token coins passing at the rate of twenty-four to the *tankah*? Billon coins lend themselves to debasement without affecting appreciably the appearance of the coin in its early career, and, as stated in N.S., xxxviii (App. A), we cannot accept the view that these coins of mixed metal 'relied for their value in every day use on the determination in each case by buyers and sellers of the amount of silver in the coin'. That a sufficiency of *jitals* existed in the country from the issues of previous reigns may be conceded without difficulty and Balban may well have studied the convenience of the public and at the same time his own profit, in starting a coin of a new and useful value with a new design. The authority of the Sovereign was sufficient to allow of these coins being accepted at their issue value without minute inquiry into their intrinsic content. Balban's reign had no contemporary chronicler and Zia Barni, who in point of time was the nearest—having been born in the reign of Kaiqubād—makes no reference to Balban's coinage in his account of that Sultān's reign.

Assuming that the new billon issues were twenty-fourths of a *tankah* **BALBAN** or, as they would be popularly called, *jītal dūgānī*, they would fit well into the scale indicated by the existence in this reign of the little silver twelfths of a *tankah*, or *māshas*, and of sixths and thirds in the currency of the succeeding Sultān.

In copper Balban revived the 40-*ratī* piece (1 *fulūs*) introduced by Īltutmish (No. 134) with its rare half (No. 249 c)—four of the former being equivalent to a *jītal* (App. A). He further followed the example of that Sultān by issuing a large number of small '*adls*, varying from 10 to about 36 grains which, as noticed in the case of Īltutmish, probably depended for their market value on the actual metal content, without any definite relation to the 40-*ratī fulūs*. The weight of No. 249 B (56.2 grains) shows it to be a 32-*ratī* piece and it may be remarked that scattered and rare instances of copper coins of this standard are to be found in the issues of several reigns—viz. No. 238 of Maḥmūd I, No. 269 of Kaiqubād, and No. 417 (*bis*) of Mubārak I.

KAIQUBĀD

Thomas recorded no gold *tankah* of Mu'izzu-d-dīn Kaiqubād but several are now known of the first three years of the reign. The gold and silver *tankahs* follow the usual types.

The outstanding coins of this king are the three silver pieces 261, 262, and 262 A—weighing 56, 27.5, and 13.9 grains respectively. The 2- and 4-*māsha* pieces have not appeared before. This series of fractional coins has thrown a new light on the silver currency of the period and goes a long way towards controverting Thomas's somewhat dogmatic statement 'so also the silver piece was divided into 8, . . . the quaternary scale was all-pervading; there was no escaping the inevitable 4's, 16's, 32's, and 64's' (*Chron.*, p. 4). This point was dealt with in the article in *J.A.S.B.*, N.S., xxxviii, reprinted in Appendix A. Apart from its weight No. 261 is remarkable for its obverse legend, with the date and mint in the area—a form which harks back to Ruknu-d-dīn Firūz.

There is but one billon issue, No. 263, also bilingual like Balban's, but of different design. Three coins of this type have been assayed (App. B) and give an average silver content of over 8 grains per coin—considerably more than required for a 2-*jītal* piece. These coins may therefore be (still debased) sixteenths of a *tankah* or 3-*jītal* pieces—i.e. a coin intermediate and filling a gap between the 2-*jītal* pieces of Balban and the silver *māsha* or 4-*jītal* coin. Incidentally these coins of Kaiqubād recall the old *Dehliwāl* with which they correspond in weight and silver content

KAIQU-BĀD

Catalogue
Nos.

257-278

Pages 63-66

**KAIQU-
BĀD**

In copper there are, as in the preceding reign, the 40-*raṭī fulūs* of the standard design and various sizes of 'adl. No. 269 calls for remark by reason of its unusual weight—49 grains. It is too heavy for a $\frac{1}{2}$ -*fulūs*.

**KAYŪ-
MARS**

Catalogue
Nos.

279-279 A

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KAYŪMARŞ

Shamsu-d-dīn Kayūmarş, the three-year old son of Kaiqubād, was put forward by Turkī nobles at Dehlī while his father was still alive but helpless from paralysis with a view to checking the apparent designs of Firūz. But the latter proved too strong and the infant Sultān's semblance of authority was shortlived. His coins, as might be expected, are extremely scarce.

Four specimens only of the silver *tankaḥ* (No. 279) are known, the other three being in the British Museum, Lucknow Museum, and American Numismatic Society's Cabinets. A billon coin is still to find. The copper piece—No. 279 A—which is unique, is of interest as carrying on the sequence of these 40-*raṭī* pieces. There need be no hesitation in assigning it to the present series and reign. It is of the standard Dehlī style and weight initiated by Īltutmish, revived by Balban, and continued by all the Khaljīs.

KHALJIS


No.	Mint Date	Obverse	Reverse
JALĀLU-D-DĪN FIRŪZ			
		A.H. 689-695.	A.D. 1290-1296.
GOLD			
<i>A</i> 280	Dehli 691	In circle; as on 279. <i>Margin</i> ضرب هذه السكة بحضرت دهلي في سنة احدى و تسعين و ستماية Wt. 167.9. S. 1.05. <i>Dates observed :</i> 689 (H. R. N.), 690 (I.M.C.), 691.	In circle السلطان الاعظم جلال الدنيا والدين ابو المظفر فيروز شاه السلطان <i>Margin</i> as on obv. but partly cut.
281	" 694	As on 280, but امير is in the third line, and in the margin اربع و تسعين Wt. 168.7. S. 1.1. <i>Dates observed :</i> 693 (L. M. C.), 694, 695 (I.M.C.).	As on 280, but the legend occupies the whole face of the coin and شاه is written شاه Pl. IV.
SILVER			
<i>AR</i> 282	" 691	In double square within circle, annulets in top and bottom segments; as on 279. <i>Margin</i> ضرب هذه الفضة بحضرت دهلي في سنة احدى و تسعين و ستماية Wt. 162.8. S. 1.1.	As on 280, but in double square within circle; annu- lets in top and bottom seg- ments. <i>Margin</i> wanting.

FIBOZ II	No.	Mint Date	Obverse	Reverse
	AR 283	Dehli 692	As on 282, but اثني و تسعين Wt. 162.8. S. 1.1. <i>Dates observed: 689, 690</i> (Th. and I.M.C.), 691, 692, 693 (H. R. N.).	As on 282. Slight traces of margin.
	284	" 693	As on 281, but ثلاث و تسعين و ستماية Wt. 168.3. S. 1.2.	As on 280, but legend occupies the whole face of the coin and شاه is written شاه
	285	" 694	As on 284, but اربع و تسعين Wt. 168.1. S. 1.1.	"
	286	" 695	As on 285, but خمس و تسعين Wt. 165.5. S. 1.1. <i>Dates observed:</i> 693, 694, 695.	"
	286 A* $\frac{1}{2}$	—	السلطان الاعظم Wt. 13. S. .45.	جلال الدنيا والدين
			Ref. A. N. S.	Pl. XXIII.

*Note to 286 A. There is a second specimen in the cabinet of Sir R. Burn.

No.	Mint Date	Obverse	Reverse
BILLON			
B 287- 290	—	السلطان الا عظم جلال الد نيا و الدين	In square شا Around فيروز श्री सुवतां जलानुदी PL. IV.
290A	—	As on 287, but in square area with curve in left (and right?) side. Wt. 48.5. S. -65. Ref. B.M.C., 146.	As on 287.
291*	—	As on 287. Wt. 24.5. S. -6.	"
COOPER			
Æ 292- 293	—	In circle السلطان الاعظم Wt. 66; 59. S. -65.	In circle جلال الد نيا و الدين
293A	—	" Wt. 34.8. S. -6. Ref. H. R. N.	" PL. XXIV.
294	—	In intersecting squares عدل شا فيروز Wt. 35. S. -6.	In intersecting squares بحضرت دهلي PL. IV

*Note to 291. See also R. (Lahor), p. 84. 2, for a second specimen.

No.	Mint Date	Obverse	Reverse
Æ			
FIRUZ II 295	—	As on 294, but in square with annulets on each side. Wt. 33.5. S. .5.	As on 294, but enclosed as on obverse.
296-299	—	Similar coins not showing the enclosing borders. Wt. 33; 31.5; 30; 29.5. S. .5.	As on 294.
299 A*	—	As on 294, but omitting عدل Wt. 33.8. S. .55. Ref. R. V. 85 (Lahor, p. 85. 4).	"
299 B	—	As on 294 (parts of). Wt. 22.5 (worn). S. .3. Ref. B.M.	As on 294 (parts of).
? Struck by Malik Chhajju.			
B			
		BILLON	
300*-301	—	Recumbent bull to left. Around, traces of Nāgarī legend नी म - - तस Wt. 48.5; 40. S. .6. Ref. R. III. 24-25.	Horse to right, but in place of rider  Above ? ॐ E (Chhaj - -) Pl. IV.

*Note to 299 A. R. B. has this with obverse in a square with a triangle in the centre of each side (Wt. 34.1 gra.).

*Note to 300. These coins have been assigned by Rodgers (R. III, p. 61) to Malik Chhajju who broke out into revolt in the second year of Firuz Shāh's reign and is stated to have struck coin. I regard this attribution as doubtful. One would scarcely expect the long discarded bull and horseman type to be revived by a Muslim pretender and in so crude a form.

No.	Mint Date	Obverse	Reverse
R 301A*	695	<p style="text-align: center;">RUKNU-D-DĪN IBRĀHĪM</p> <p style="text-align: center;">A.H. 695. A.D. 1296.</p> <p style="text-align: center;">SILVER</p>	
		<p>In double square within circle</p> <p style="text-align: center;">السلطان الاعظم ركن الدنيا والدين ابو المظفر ابراهيم شاه السلطان بن</p> <p>No margin.</p> <p>Wt. 167. S. 1-25.</p> <p>Ref. B.M.C.</p>	<p>In circle</p> <p style="text-align: center;">السلطان الاعظم جلال الدنيا والدين فيروز شاه ناصر امير المؤمنين</p> <p>Margin</p> <p>ضرب هذه الفضة بمحضرت دهلي في سنة خمس و تسعين و ستماية</p> <p>Pl. XX.</p>
B 302- 304	—	<p style="text-align: center;">BILLON</p>	
		<p style="text-align: center;">السلطان الا عظم ركن الد نيا والدين</p> <p>Traces of enclosing square with curves in the centres of the sides.</p> <p>Wt. 53; 52; 51. S. -65.]</p>	<p style="text-align: center;">شاه ابراهيم بن فيروز شاه</p> <p>Pl. IV.</p>
Æ 304A*	—	<p style="text-align: center;">COPPER</p>	
		<p style="text-align: center;">السلطان الاعظم</p> <p>Wt. 59. S. -65.</p> <p>Ref. Thomas 128.</p>	<p>As on 302.</p>

*Note to 301A. The A.N.S. has a second specimen (wt. 165.5 gra.).

*Note to 304A. R. (Lāhor), p. 85, gives a similar coin of 63 gra.

No.	Mint Date	Obverse	Reverse
IBRĀHĪM I Æ 304 B*	—	In circle عدل شاه ابراهيم Wt. 38. S. -55. Ref. Thomas 129 (now in B.M.).	In circle ز بن غیرو شاه
MUHAMMAD II A 305	—	'ALĀU-D-DĪN MUHAMMAD SHĀH A.H. 695-715. السلطان الاعظم علا الدنيا و الدين ابو المظفر محمد شاه السلطان The legend occupies the whole face of the coin. Wt. 168. S. 1.	GOLD A.D. 1296-1316. In double square within circle, annulets in all segments سکندر الشانی یمین الخلافة ناصر امیر المومنین Without margin.
305 A	Dehli 696	As on 305. Wt. 168. S. 1-05. Ref. L.M.C., 196. Dates observed : 695 (H. R. N.), 696, 697 (L.M.C.), 698 (B.M.C.), 699 (I.M.C.), 701, 702 (L.M.C.), 704 (Th.), 705 (I.M.C.), 706, 708 (H. R. N.), 709 (Th.), 710 (B.M.C.), 711 (Th.), 712 (L.M.C.), 713, 714, 715 (B.M.).	In circle; as on 305, but Margin سرب هذه السكة بحضرت دهلي فی سنة ست و تسعين و ستماية

*Note to 304 B. The weight is high for a half-*Adās*, but other specimens of this type weigh 32.2 grs. (H.R.N.), 30.5 grs. (B.M.), and 29 grs. (R. Lāhor, p. 85).

No.	Mint Date	Obverse	Reverse
A 305 B	Dārū-l-Islām 707	As on 305. Wt. 170. S. .95. Ref. <i>I.M.C.</i> , 194. <i>Dates observed:</i> 703 (H. R. N.), 704 (B.M.), 705 (H. R. N.), 707 (<i>I.M.C.</i>), 708 (B.M.C.), 710 (<i>I.M.C.</i>), 711 (<i>L.M.C.</i>), 712, 713 (<i>I.M.C.</i>).	In circle; as on 305, but <i>Margin</i> ضرب هذه السكة بدار الاسلام في سنة سبع و سبعمائة MUHAM- MAD II
305 c	Deogir 714	As on 305. Wt. 167.5. S. 1. Ref. <i>I.M.C.</i> , 198. <i>Dates observed:</i> 714, 715 (<i>I.M.C.</i>).	In circle; as on 305, but <i>Margin</i> ضرب هذه السكة بقلعة ديؤگیر في سنة أربع عشر و سبعمائة
306 sq.	—	As on 305. Wt. 165.6. S. .75.	In double square; as on 305. Pl. IV.
AR		SILVER	
307	Dehli 699	In double square within circle, annulets in segments; as on 305. Wt. 167. S. 1.2.	In double square within circle, annulets in top, right, and bottom segments; as on 305. <i>Margin</i> ضرب هذه الفضة ببحسرت دهلي في سنة تسع و تسعين و ستمائة
308	" 702	" Wt. 170.2. S. 1.	As on 307, but اثني و سبعمائة
309	" 706	" Wt. 165.5. S. 1.1.	As on 307, but annulets in all segments and ست و سبعمائة

**MUHAM-
MAD II**

No.	Mint Date	Obverse	Reverse
A 310	Dehli 710	As on 307. Wt. 168.6. S. 1-1.	As on 307, but عشر و سبعمائة
311	" 711	" Wt. 170.3. S. 1-1.	As on 307, but أحدى عشر و سبعمائة
312	" 713	" Wt. 169.4. S. 1-12.	As on 307, but ثلاث عشر و سبعمائة
313	" 714	" Wt. 166.7. S. 1-08.	As on 307, but أربع عشر و سبعمائة
<i>Dates observed :</i> 695 (Th.), 696 (I.M.C.), 697 (B.M.C.), 698 (Th.), 699, 700 (L.M.C.), 701 (H. R. N.), 702, 703, 704, 705 (Th.), 706, 707 (B.M.), 708, 709 (Th.), 710, 711, 712 (Th.), 713, 714, 715 (Th.).			
314	Daru-l- Islām 703	" Wt. 169.9. S. 1-1.	As on 307, but بدار الإسلام في سنة ثلاث و سبعمائة
315	" 707	" Wt. 170. S. 1-05.	As on 307, but سبع و سبعمائة
316	" 708	" Wt. 170.4. S. 1-05.	As on 307, but ثمان و سبعمائة
317	" 709	" Wt. 169. S. 1-09.	As on 307, but تسع و سبعمائة

No.	Mint Date	Obverse	Reverse	
R 318	Daru-l-Islām 710	As on 307. Wt. 168. S. 1-13.	As on 307, but عشر و سبعمایه	MUHAM- MAD II
319	" 711	" Wt. 170-7. S. 1-1.	As on 307, but احدى عشر و سبعمایه	
320	" 712	" Wt. 172. S. 1-1.	As on 307, but اثنى عشر و سبعمایه	
<i>Dates observed :</i> 702 (L.M.C.), 703, 704, 705, 706 (L.M.C.), 707, 708, 709, 710, 711, 712, 713, 714, 715 (L.M.C.).				
321	Qila Deogir 714	" Wt. 168-5. S. 1-1.	As on 307, but بقلع دیوگیر فی سنہ اربع عشر و سبعمایه	
322	" 715	" Wt. 171-1. S. 1-15.	As on 307, but خمس عشر و سبعمایه	
<i>Dates observed : 714, 715.</i>				
323* sq.	—	As on 306. Wt. 161-1. S. -65.	As on 306, but no trace of double square.	
B		BILLON		
324- 326 1/2	701	In circle السلطان الا عظم علا الد نیا و الدین Wt. 55; 54-6; 55-5. S. -65-7.	In circle ابو المظفر محمد شاه السلطان ۷۰۱	

*Note to 323. A square half tankah (wt. 81-5) has since been presented to this collection by Mr. W. S. Talbot, C.I.E. This has on both sides the reverse inscription of No. 323. Mr. Talbot has a second specimen in his own cabinet.

	No	Mint Date	Obverse	Reverse
MUHAM- MAD II	B 327- 328	702	As on 324-326. S. -65-7.	As on 324-326. v. r
	329	703	" Wt. 53. S. -65-7.	" v. r
	330- 331	711	" Wt. 54.2; 52.5. S. -65-7.	" v. r
	332- 333	712	" S. -65-7.	" v. r
	334- 335	713	" Wt. 55. S. -65-7.	" v. r
	336- 337	714	" Wt. 53. S. -65-7.	" v. r
	338- 340	715	" Wt. 54; 47.5; 52.2. S. -65-7.	" v. r
	340* (bis)	716	"	" v. r
			<i>Dates observed :</i> 701, 702, 703, 704 (I.M.C.), 705 (L.M.C.), 711, 712, 713, 714, 715, 716.	

*Note to 340 (bis). A posthumous coin, acquired in 1928. Variations occur in the form of the inscription on coins of this type (cf. p. 240).

No.	Mint Date	Obverse	Reverse
B 341	?	" Wt. 26.3. S. .55.	" MUHAM- MAD II
342- 343 344	700	As on 324-326, but no enclosing circle. Wt. 54.7. S. .6.	In double circle الله محمد Around (parts of) سید سلطان علیاوردی ۳۰۰
344	701	As on 324-326. This has a straight line above the legend. Wt. 55.4. S. .6.	" ۳۰۹
345- 346	702	As on 324-326 (one has a straight line above the legend). S. .6.	" ۳۰۲
347- 349	704	As on 324-326. One has an enclosing circle. Wt. 56.2; 55.5. S. .6.	" ۳۰۸
350- 351	703	" Wt. 56.6. S. .6.	" ۳۰۴
352- 353	707	" Wt. 55. S. .65.	" ۳۰۶
354- 355	708	As on 324-326. No circle. Wt. 56.1. S. .65-7.	" ۳۰۷

MUHAM- MAD II	No.	Mint Date	Obverse	Reverse
	B			
	356-	709	As on 324-326. One has a line below the legend.	As on 324-326.
	357		Wt. 54.3; 55. S. .7.	999
	358	711	As on 324-326. No circle.	"
			Wt. 54.5. S. .7.	999
	359	—	"	"
			Wt. 53.7. S. .7.	No date visible.
			<i>Dates observed:</i> 696, 697, 698 (H. R. N.), 699 (Th.), 700, 701, 702, 704, 705, 706 (B.M.), 707, 708, 709, 710 (Th.), 711, 715 (R—Lahor).	
	360-	—	Similar smaller coins of rude fabric, no dates visible. Possibly contemporary imitations.	
	361		Wt. 34.4; 34.6. S. .5.	
	361A	—	As on 342 (portions). Wt. 13.75 (worn). <i>Ref.</i> H. R. N.	
	361B*	713	علا الدنيا و الدين	شاه محمد ۷۱۳ السلطان
			S. .6.	
			<i>Ref.</i> Berlin.	

*Note to 361B. This appears to be of South Indian fabric.

No.	Mint Date	Obverse	Reverse
COPPER			
Æ 362*- 363	—	In circle السلطان الاعظم Wt. 65.5; 65. S. .6-65.	In circle علا الد نيا و الدين Pl. IV.
364- 365	Dehli	In circle عدل محمد شاه Wt. 27.2; 27.5. S. .5.	In circle ت بعضر دهلي Pl. IV.
366	—	As on 362. Wt. 21.5. S. .55.	As on 362, with traces of an outer circle of dots. Pl. IV.
SHIHABU-D-DIN 'UMAR			
		A.H. 715.	A.D. 1316.
A 366 A	Dehli 715	السلطان الاعظم شهاب الدنيا و الدين ابو المظفر عمر شاه السلطان Wt. 168.5. S. .95. Ref. B.M. (1919).	In circle; as on 305, but Margin ضرب . . . دهلي في سنة خمس عشر و سبعمائة
SILVER			
AR 366 B	Dehli 715	As on 366 A. Wt. 164. S. 1.1. Ref. B.M. (Bl.).	As on 366 A, but adding in margin هذه الغشة بعضرة Pl. XX.

*Note to 362. Mr. R. B. Whitehead had a billon coin of this Sultan, weighing 144 grs., the obverse of which bore a legend similar to that on No. 324, while on the reverse was a sitting bull as on the coins of Kābul. Some thirty of these pieces were shown to him in Muttra. The coin is unfortunately not traceable now.

No.	Mint Date	Obverse	Reverse
UMAR			
B		BILLOON	
367	—	<p>السلطان الا عظم شهاب الد نيا و الدين</p> <p>Wt. 56. S. -65.</p>	<p>ابو المظفر عمر شاه السلطان ٧١٤</p> <p>Pl. IV.</p>
MUBĀ- RAK I			
A		GOLD	
367 A	Hazrat Dārū-l- Khilāfat (Dehlī) 717	<p>A.H. 716-720.</p> <p>As on 368. S. -95. Ref. A. N. S.</p>	<p>A.D. 1316-1320.</p> <p>In circle; as on 368. Margin as on 368, but سبع Pl. XXIII.</p>
368 sq.	718	<p>الامام الاعظم خليفة رب العالمين قطب الدنيا و الدين ابو المظفر مباركشاه</p> <p>Wt. 169.9. S. -9.</p>	<p>In square</p> <p>السلطان ابن السلطان الواثق بالله امير المؤمنين</p> <p>Margin ضربت هذه السكه | بحضرت دار الخلافه | في سنة ثمان | عشرو سبعماية</p>
369 sq.	720	<p>Wt. 169.3. S. -95.</p> <p>Dates observed : 718, 719 (B.M.C.), 720.</p>	<p>As on 368, but عشرين و سبعماية</p>
370 sq.	Quṭbābād Fort 720	<p>Wt. 169. S. 1.1.</p> <p>Dates observed : 718, 719 (Th.), 720.</p>	<p>As on 369, but بقلعه قطب اباد</p> <p>Pl. IV.</p>

No.	Mint Date	Obverse	Reverse
<i>A/</i> 370A*	Qutbābād Fort ?	الامام الاعظم خليفه رب العالمين قطب الدنيا و الدين ابو المظفر Wt. 168.3. S. .95. Ref. B.M.	In circle مباركشاه السلطان ابن السلطان الوائق بالله امير المؤمنين Margin ضرب هذه السكه بقلعه قطب اباد MUBA- RAK I
370B sq. $\frac{1}{8}$	—	خليفه رب العالمين قطب الدنيا و الدين ابو المظفر Wt. 55.7. S. .6. Ref. B.M.	مباركشاه السلطان ابن السلطان Pl. XX.
SILVER			
<i>R</i> 371	Hazrat Dehli 716	السلطان الاعظم قطب الدنيا و الدين ابو المظفر مباركشاه السلطان بن السلطان Wt. 169.5. S. 1.1. Dates observed : 716, 717 (Th.).	In circle اسكندر الزمان يعمين الخلافة ناصر امير المؤمنين Margin ضرب هذه الفضة بمحضرة دهلي في سنة ست عشر و سبعمائة Pl. IV.
371A	Dārū-l- Islām 717	الامام الاعظم خليفه رب العالمين قطب الدنيا و الدين ابو المظفر Wt. 170. S. 1.2. Ref. L.M.C., 308.	In circle مبارك شاه السلطان ابن السلطان الوائق بالله امير المؤمنين Margin ضرب هذه الفضة بدارالاسلام في سنة سبع عشر و سبعمائة

*Note to 370A. Figured in N.C. 1934, Pl. III. This and No. 370B are still unique.

MUBĀ-
RAK I

No.	Mint Date	Obverse	Reverse
R 371 B sq.	Dārū-l- Islām 717	As on 368. Wt. 165. S. -9. Ref. I.M.C., 248.	As on 368, but in margin بدارالاسلام في سنة سبع عشر
372	Hazrat Dārū-l- Khilāfat 717	In circle الامام الأعظم قطب الدنيا و الدين ابو المظفر خليفة الله Wt. 169-8. S. 1-1.	In circle مباركشاه السلطان ابن السلطان الوراق بالله امير المؤمنين Margin عرب هذه الفضة بحضرة دار الخلاف في سنة سبع عشر و سبعمائة
373* sq.	" 720	As on 368. Wt. 168-8. S. -95. Dates observed : 718, 719 (Th.), 720.	As on 368, but عشرين و سبعمائة Pl. V.
374	Hazrat Dārū-l- Mulk 717	As on 372. Wt. 168-7. S. 1-1.	As on 372, but بحضرة دار الملك Pl. IV.
374 A	Qutbābād Fort 717	" Wt. 165-8. S. 1-1. Ref. B.M. and F. M. C.	As on 372, but in margin بقلمه قطب آباد
375 $\frac{1}{2}$	—	السلطان الا عظم قطب الد نيا و الدين Wt. 84-6. S. -85.	ابو المظفر مباركشاه السلطان بن السلطان Pl. V.

*Note to 373. The substitution of السكة for الفضة is to be noted

No.	Mint Date	Obverse	Reverse
AR 375A* $\frac{1}{8}$	—	In circle شاه مبارك Wt. 26. S. .45. Ref. B.M.	In circle السلطان بن السلطان MUBA- RAK I Pl. XX.
BILLON			
B 376 sq. $\frac{1}{4}$	718	الامام الاعظم قطب الدنيا و الدين ابو المظفر ٧١٨ Wt. 82.5. S. .7.	In circle خليفة الله مباركشاه Around السلطان الراضي بالله امير المؤمنين
377 sq.	719	As on 376, but [٧١٩] Wt. 82.5. S. .67.	"
378 sq.	720	As on 376, but ٧٢٠ Wt. 76.5. S. .7.	" Pl. V.
379- 382 sq. $\frac{1}{8}$	718	In square قطب الدنيا و الدين In corners Top ابرا Left لمظفر Bottom خليفة Right الله Wt. 52; 56.4. S. .6.	مباركشاه السلطان ابن السلطان ٧١٨ Pl. V.

*Note to 375 A. See J.A.S.B., N.S. XXVII, art. 166.

MUBĀ-
RAH I

No.	Mint Date	Obverse	Reverse
B 383*- 386 sq.	719	As on 379-382 Wt. 56.7. S. -6.	As on 379-382 vii
387 sq.	720	" Wt. 56. S. -6. <i>Dates observed: 718, 719, 720.</i>	" vii.
388- 389 1/2	717	خليفة رب العالمين قطب الدنيا و الدين ابو المظفر vii Wt. 56.4; 56. S. -65--7. <i>Dates observed: 717, 718 (Th.).</i>	مباركشاه السلطان ابن السلطان الوائى بالله امير المومنين Pl. V.
390- 393 1/8	716	السلطان الا عظم قطب الد نيا و الدين Wt. 56 (2); 50.2 (2). S. -65.	ابو المظفر مبارك شاه السلطان vii Pl. V.
394- 398 1/8	716	In circle; as on 390-393. Wt. 55.7; 55.9; 52.3. S. -65--7.	In circle مباركشاه السلطان بن السلطان vii Pl. V.
399- 402 1/8	717	" Wt. 55; 54.2. S. -65--7. <i>Dates observed: 716, 717.</i>	As on 394-398, but vii and in double circle.

*Note to 383. Thomas (*Chron.*, p. 183, 151(a)) mentions a coin of this type and date weighing 80.5 grs. I have not been able to trace it.

No.	Mint Date	Obverse	Reverse
B 403- 407 1/8	—	In circle خليفة رب العالمين قطب الدنيا و الدين Wt. 51.5; 53.2; 53.4. S. .7.	مباركشاه ابو المظفر ن السلطان ابن السلطان الوائق بالله MUBĀ- RAK I Pl. V.
408- 411 1/8	717	In circle الامام الاعظم قطب الدنيا و الدين Wt. 53.5; 56.5. S. .65.	ابو المظفر مباركشاه السلطان ابن السلطان Pl. V.
412 1/8	719	As on 408-411, but v19 Wt. 52.6. S. .6. <i>Dates observed: 717, 718 (I.M.C.), 719, 720 (I.M.C.).</i>	"
413- 414 sq. 1/8	719	الامام الا عظم قطب الد نيا و الدين Wt. 55; 56. S. .55.	خليفة الله مباركشاه السلطان ابن السلطان v19
415 sq.	720	" Wt. 56.4. S. .55. <i>Dates observed: 718 (H P N) 719, 720.</i>	" v20 Pl. V.

MURĀ- RAK I	No.	Mint Date	Obverse	Reverse
	B 416 sq.	718	As on 379. Wt. 31.3. S. .5.	As on 379. v1A
	Æ		COPPER	
	417 sq.	—	In square الإمام الاعظم Wt. 71. S. .6.	In square قطب الدنيا و الدين Pl. V.
	417 (bis)*	—	الإمام الاعظم قطب الدنيا و الدين Wt. 54.7. S. .65.	In circle مباركشاه السلطان
	418- 421 sq.	Hagrat Daru-i- Khitāfat	In square عدل مباركشاه Wt. 31.2; 33.6; 31; 32.8. S. .45-.5.	In square بعضرت دار الخلافه Pl. V.
	422 sq.	—	In square مبارك شاه Wt. 12. S. .35.	In square السلطان Pl. V.

*Note to 417 (bis). Acquired for D.M. in 1928. Cf. R. IV (19).

No.	Mint Date	Obverse	Reverse
SHAMSU-D-DIN MAHMUD (PRETENDER)			
B		A.H. 718.	A.D. 1318.
423	718	BILLON السلطان الا عظم شمس الد نيا و الدين Wt. 55.7. S. .65.	ابو المظفر محمود شاه [السلطان ۷۱۸] Pl. V.
423A	—	" Wt. 49.2. S. .65. Ref. B.M.	In circle شاه محمود Around .. लता समाप्त ..
NÂŞIRU-D-DIN KHUSRÛ			
A		A.H. 720.	A.D. 1320.
424	Dehli 720	GOLD In double square السلطان الاعظم ناصر الدنيا و الدين ابو المظفر Wt. 168.2. S. 1.	In circle خسرو شاه السلطان الوائى بنصر الرحمن ولى امير المؤمنين Margin ضرب هذه السكه بمحضرت دهلى فى سنة عشرين و سبعمائة Pl. V.
A			SILVER
424A	Deogir	As on 424. Wt. 168.5. S. 1.1. Ref. B.M. See also I.M.C., 271.	As on 424, but in margin بقلعه دیوگیر Pl. XX.

No.	Mint Date	Obverse	Reverse
B		BILLON	
KHUSRŪ 424B*	720	السلطان الا عظم ناصر الدنيا و الدين ابو المظفر Wt. 84. S. -7. Ref. R. V. 4 (Lahor, p. 88.1).	خسرو شاه السلطان ولى امير المومنين vr. منين
425	720	السلطان الا عظم ناصر الدنيا و الدين Wt. 55.1. S. -65.	ابو المظفر خسرو شاه السلطان vr. Pl. V.
426- 429	720	As on 425, but vr. to left of دين Wt. 55.7; 52.7; 55.5. S. -65.	In circle شاه خسرو Around السلطان ولى امير المومنين Pl. V.
Æ		COPPER	
429A*	—	السلطان الاعظم Wt. 70. S. -6. Ref. R. VI. 29; B.M.	ناصر الدنيا و الدين Pl. XX.
429B	Dehli	In circle عدل خسرو شاه Wt. 25. S. -45. Ref. R. VI. 17; B.M.	In circle ت بخصر دهلى Pl. XX.

* Note to 424 B. Probably a quarter tankah. Cp. No. 376.

* Note to 429 A. Rodgers gives this as a coin of Nāṣiru-d-dīn Maḥmūd but the form of the ناصر in ناسر is more like that on the coins of Khusrū. The type also is in favour of attribution to the latter Sultan. The late Major R. P. Jackson had another specimen.

KHALJĪS

FĪRŪZ II

FĪRŪZ II

The gold and silver *tankahs* of Jalālu-d-dīn Fīrūz are on a high level of execution. They are of two types—the earlier one in use from A.H. 689 to 693 and the later from A.H. 693 to the end of the reign. Thomas knew of but one gold *tankah* and that a crudely executed piece in the British Museum, which is of doubtful authenticity.

Two specimens only of the rare little silver *māsha* are known.

In billon there is a single type with its rare half. These have the bilingual reverse introduced by Balban, but with a square instead of a circular area. Nine of these coins have been assayed (App. B.) and give a silver return of 2.34 grains per coin. This indicates that Fīrūz found it necessary to revive the issue of *jitalas*—in the now usual token form.

The copper coinage consisted of the standard 40-*ratī* piece and smaller '*adls*. The latter, however, did not include the diminutive coins struck by Balban and İltutmish.

IBRĀHĪM I

IBRĀHĪM I

Fīrūz was assassinated in Ramẓān A.H. 695. 'Alā'u-d-dīn Muḥammad was enthroned at Dehlī in the last month of the same year. Thus Ruknu-d-dīn Ibrāhīm's reign was but a very short one and his coins are naturally rare. No gold *tankah* and only two of silver have come to light. One of these was figured by Thomas (*Chron.*, p. 155). The last sixty years have produced but one other. Billon is represented by a few pieces of the standard 32-*ratī* weight, but not of the bilingual type of the preceding reigns. Their value can only be decided when specimens are available for assay. In copper Ibrāhīm continued the 40-*ratī fulūs* and there are '*adls* of weights varying from 29 to 38 grains, intended perhaps to be halves of the *fulūs*, but probably depending for their value on their weight.

MUḤAMMAD II

MUḤAM- MAD II

The gold and silver *tankahs* of 'Alā'u-d-dīn Muḥammad, which follow the standardized types, are the commonest in the whole series. They reflect clearly the enormous quantity of gold and silver brought back by 'Alā'u-d-dīn and his general, Malik Nāib Kāfūr from the Dakhan. Nearly a hundred years later Timūr, when he plundered Dehlī, found 'vessels

MUHAM- of gold and silver and money without count, on which was the impression
MAAD II of 'Alā'u-d-dīn Khaljī' (*Chron.*, p. 171 n.). There seems to have been no practice of withdrawing from currency coins of previous reigns, and one is tempted to wonder whether, apart from Muḥammad bin Tughluq's lavish expenditure, the failure of his forced currency and Timūr's invasion, the large holdings in the country of gold and silver coins of the first thirty years of the eighth century Hijrī had anything to do with the fact that later Sultāns were content with so limited a gold and silver currency.

Tankahs from the Dehlī mint are known in both metals of practically every year. But in A.H. 702 a concurrent issue started—also a large one—from a mint styled Dāru-l-Islām. 'Alā'u-d-dīn built a new Dehlī at Sirī, some miles to the north of old Dehlī, and the date of his removal is recorded as A.D. 1303 (A.H. 703). It has been suggested by Mr. Nevill (*J.A.S.B.* N.S. 35, art. 219) that the Sultān gave the College known as Dāru-l-Islām in Old Dehlī the right to strike coins, while the 'Ḥaẓrat Dehlī' coins were minted at Sirī. The view that Dāru-l-Islām stands for Old Dehlī is a reasonable one, though confirmation from any historical source is so far lacking.

In A.H. 714 another mint was opened and coins struck for Southern India at the fort of Deogīr, which was subsequently renamed Daulat-ābād. This mint was used also by the Tughluqs.

The abundance of the 'Dehlī' gold *tankahs* is, paradoxically, the reason for their not being represented in this collection. No. 305 is, doubtless, a freak coin with a reverse struck from the silver die. Nos. 306 and 323 are of some interest as showing that 'Alā'u-d-dīn was the first to experiment with square coins, a shape which was adopted largely by Qutbu-d-dīn Mubārak and later by Akbar and Jahāngīr. A square coin is an object of special regard in India and is put to uses other than the legitimate one of currency—which explains the large resort to fabrication of them.

It is a little surprising that no silver coins of small denomination are to be recorded in this reign, but a possible reason for the disappearance of the silver *māsha* is the issue of a more convenient billon equivalent. In that mixed metal we find two types running concurrently¹ throughout the reign, both of the popular 32-*ratī* weight but one clearly of more value than the other. Thomas (*Chron.*, p. 324) recorded the return of an assay of coins of these two types which he had received from General Cunningham. Ten coins of the higher value type gave an average yield of 8.70 grains of silver per coin; of the bilingual type 154 coins showed an average silver content of 2.584 grains per coin. A recent assay, however, made by the Royal Mint, gives strikingly different results

¹ A curious gap in the higher value billon between A.H. 706 and 711 is to be noticed.

(App. B). Nine coins of the higher value series had an average of 13.27 **MUHAM-** grains of silver per coin, while in 25 coins of the bilingual series the **MAD II** amount of silver in each coin averaged 4.25 grains. These differences are difficult to reconcile, but it may perhaps be reasonably inferred that there was less likelihood of error in the later than in the former assay. Thus the bilingual coins can be assumed to be of the same denomination as the pieces of Balban with which they are identical in design and to which they approximate in silver content. This would make them 2-jītal pieces (jītal dūgānī) or twenty-fourths of a tankah. At the same time the higher value billon may conceivably have been meant to take the place of the inconveniently small silver māsha of 8-ratīs or 14.4 grains. The absence of any pieces that can be identified with a jītal is somewhat remarkable, especially when Zīā Barnī speaks in the *Tārīkh-i-Firūz Shāhī* of 'bags of tankahs and jītals' being distributed by 'Alā'u-d-dīn (E. D., III, p. 161).

In copper we find the 40-ratī fulūs still the principal coin, supplemented by a coin of similar type a third of its weight—No. 366¹—and an 'adl with a more or less uniform weight about 28 grains.

'UMAR

Shihābu-d-dīn 'Umar, a child of five or six, was placed on the throne by 'Alā'u-d-dīn's powerful general Malik Naib Kāfūr in his own interests to the exclusion of the deceased Sultān's eldest son, Khizr Khān, who was blinded, but, on Kāfūr's assassination, 'Umar was dethroned and imprisoned by the Regent, Mubārak, another son of 'Alā'u-d-dīn. His coins are of great rarity. Only a single gold tankah is recorded, and but two or three silver ones. Billon is represented by a single type similar in design to No. 324 of 'Alā'u-d-dīn and probably of the same value. No copper coin of this puppet Sultān is known.

'UMAR

Catalogue
Nos. 366 A-367
Pages 95-96

MUBĀRAK I

The coinage of Quṭbu-d-dīn Mubārak stands out for its boldness of design and the variety of its inscriptions. The coin legends of this reign reflect accurately the arrogant vanity of the Sultān, who took a delight in calling himself the Alexander of the age, the most high Imām, and the Khalīfa of Allah. The square coin was brought into vogue—apparently superseding the round form—in A.H. 718 or, if *I.M.C.* No. 248 has been

MUBĀ- RAK I

Catalogue
Nos. 368-422
Pages 96-102

¹ Known from a single specimen.

**MUBĀ-
RAK I**

correctly read, at the close of 717, and there is perhaps no finer coin in the whole pre-Mughal series than the broad square gold *tankah* of high relief struck at 'Qutbābād Fort'—No. 370. While this is listed by Thomas, he was unaware of the less scarce coin of the same type from the mint of 'Ḥazrat Dāru-l-Khilāfat' (Nos. 368-9). The two round gold *tankahs*, Nos. 367 A and 370 A, are the only specimens known of their types. Another remarkable and unique coin is No. 370 B, the weight of which, 55.7 grains, shows it to be one-third of a gold *tankah*. No other gold coin of this weight is known in this series, and this coin is of value as corroborating the evidence of the silver currency that the *tankah* consisted of 96 and not 100 *raṭīa*.

The silver currency is both rare and interesting. Dehli from the simple 'Ḥazrat' in the first issue, becomes 'Ḥazrat Dāru-l-Mulk' in A.H. 717, and then 'Ḥazrat Dāru-l-Khilāfat' in the same year. The 'Dāru-l-Islām' mint also continues to function.

No. 375 is a unique half-*tankah* which was presented to the Dehli Museum by a merchant of *Khurja* in the Bulandshahr district.

No. 375 A is also unique—and is another example of a two-*māsha* piece or sixth of a *tankah*—see p. 81 ante.

Billon No. 376 is an unusual type of coin. It was current from A.H. 718 to 720 along with the square silver *tankahs* of which it doubtless was a definite fractional part. It is not pure silver but contains more silver than the billon coins ordinarily possess, so much so that it has been taken for a half-*tankah*, to which it corresponds in weight. Two specimens have now been assayed at the mint, and each coin showed a silver content of between 29 and 30 grains, with a minute trace of gold. This points to the coin being a (debased) quarter of a *tankah*, i.e. a 3-*māsha* or 12-*jītal* piece.

The billon coinage of Mubārak is unusually varied. There are no less than eight types of which seven are of the standard 32-*raṭī* weight. They start as round and change in A.H. 718 to square coins. One round variety (No. 408), however, is retained till the close of the reign, but specimens with dates later than A.H. 717 are seldom met with. Most of the varieties are still plentiful, but No. 416, a small coin of the type of No. 379, is only known from a single specimen. Examples of these seven 32-*raṭī* types have been assayed at the mint—Nos. 379, 388, 390, 394, 403, 408, and 413. The Chief Assayer's report (App. B) goes to show that the highest of these in value is No. 379 with an average silver content per coin (excluding three without any silver which may be regarded as fabrications) of 17.55 grains. This indicates that No. 379 was a (debased) eighth of a *tankah* (= 6-*jītals*) which normally would have a silver content of 21.6 grains. Below it comes No. 388 of which

two coins give an average return of 14.06 grains of silver, making them the successors of 'Alā'u-d-dīn's 4-jītal pieces (twelfths of a tankah). The other five types yielded an average of 8 to 9 grains of silver per coin and were probably intended to pass like the billon of Kaiqubād as sixteenths of a tankah or 8-jītal pieces.

In point of time No. 390 seems to have been Mubārak's first issue, to be superseded the same year by No. 394. These are of the normal Dehli style, the former being similar to No. 324 of Muḥammad II. In A.H. 717, however, Mubārak began the extravagance of language which is associated with his coins, cf. Nos. 388, 403, 408, followed by the square issues of A.H. 718—Nos. 376, 379, and 413.

The copper series consisted of a 40-ratī fulūs and three smaller types including an 'adl which approximated to a half fulūs in weight.

As regards the locality of the mint town Quṭbābād reference may be made to observations by Mr. H. R. Nevill in *J.A.S.B.*, N. S. 35 art. 219, where the identification was suggested of Quṭbābād with Deogir, a fort in the north of the Dakhan which Mubārak recaptured from rebels and restored in A.H. 718. This suggestion is confirmed by two lines from the *Nihāyat-u-l-Kamāl* written by Khusrū after the capture of Deogir.¹ They run:

زمی مبارک شهر شد خجسته بلاد ♦ که نام یافت ز قطب سهر قطب آباد
چو کفر بود در آن خلق را گرفته دیو ♦ از آن دیو کهن دیوگیر نام نهاد

'Oh, auspicious (Mubārak) city of the king of happy dominions which received the name of Quṭbābād from the Quṭb (pivot) of the world! When infidelity (kufr) prevailed in it, demons (dev) tormented its inhabitants, and that is why the ancient Deo (Mahadeo?) called it Deogir...'

SHAMSU-D-DIN MAḤMŪD, PRETENDER

Catalogue
Nos.

During Mubārak's absence from Dehli in A.H. 718, when he went to the Dakhan and relieved Deogir, a conspiracy was set up to seize the throne. This was discovered, and a cousin of the Sultān named Asadu-d-dīn and the viceroy in Dehli were executed. There need be no hesitation in ascribing these few very rare coins either to that rebellious cousin or to a grandson of 'Alā'u-d-dīn Muḥammad 'whose elevation to the throne was, according to Ibn Batūtah, the object of the conspiracy'.²

¹ See *Bulletin of the School of Oriental Studies*, London Institution, vol. v, Pt. III, 1929, Notes and Queries, note by M. Wabid Mirza.

² *C. H. I.*, vol. iii, p. 121.

423-423 A
Page 103

Reference may be made to *J.A.S.B.*, N. S. 17 (1912) art. 102, where these coins are discussed by Mr. R. B. Whitehead. At that time only a single type of billon coin (No. 423) was known, but since then a unique specimen of a second type (No. 423 A) has been found, also by Mr. Whitehead. It is now in the British Museum. The types correspond precisely in style to the two billons of 'Alā'u-d-din Muḥammad.

KHUSRŪ**KHUSRŪ**

Catalogue Nos. 424-429 B
Pages 103-104

Nāṣiru-d-din Khusrū, who was a converted Hindu of inferior status, crowned the influential position he had held in Mubārak's court by causing the latter to be assassinated and usurping his throne, but was himself, after a reign of some four months, defeated by Ghiyāsu-d-din Tughluq and executed.

His gold *tanka*s are less rare than his silver coins, of which but two specimens are known. Of his billon coins one (No. 424 B) corresponds in weight to the type introduced by Mubārak (No. 376), and doubtless represents the same denomination. There are also two varieties of the 32-*raṭī* coin, similar in style to Muḥammad II's billons but with this difference that the legend round the king's name on one (No. 426) is in Arabic not Nāgarī. The copper currency is limited to the standard 40-*raṭī* *fulūs* and a small *adl*, both of which are exceedingly scarce.

TUGHLUQS

No.	Mint Date	Obverse	Reverse
		GHIYĀṢU-D-DĪN TUGHLUQ	TUGHLUQ I
		A.H. 720-725.	A.D. 1320-1325.
		GOLD	
<i>N</i> 430*	Dehli 724	<p>In double square</p> <p>السلطان الغازى قياث الدنيا و الدين ابو المظفر</p> <p>Wt. 168. S. 1-01.</p> <p><i>Dates observed:</i> 720 (B.M.C.), 721 (Th.), 722 (B.M.C.), 723 (N.S., 35), 724, 725 (Th.).</p>	<p>In circle</p> <p>تغلق شاه السلطان ناصر امير المؤمنين</p> <p><i>Margin</i> ضرب هذه السكه بحضرت دهلي فى سنة اربع و عشرين و سبعمائة</p>
431	Dārū-l- Islām 724	<p>As on 430.</p> <p>Wt. 168. S. 1-1.</p> <p><i>Dates observed:</i> 724, 725 (L.M.C.).</p>	<p>As on 430, but</p> <p>بدار الاسلام</p>
432	Deogīr Fort —	<p>„</p> <p>Wt. 166-5. S. 1-1.</p> <p><i>Dates observed:</i> 721 (H. R. N.), 722 (R. IV. 3), 723 (H. R. N.), 724 (L.M.C.), 725 (H. R. N.).</p>	<p>As on 430, but</p> <p>بقلمه ديوكير and date cut.</p>

* Note to 430. Thomas, p. 189, cites a coin with this obverse, but with a reverse of Muḥammad II—a hurried first issue perhaps.

TUGHLUQ I	No.	Mint Date	Obverse	Reverse
A/	433	Mulk-i- Tilang 725	غياث الدنيا و الدين ناصر امير المؤمنين Wt. 169.2. S. .95. Dates observed : 724 (B.M.), 725.	In circle الموتكل على الله ابو المظفر تغلق شاه [ضرب هذه] السكه في ملك تلنگ سنه خمس و [عشرين و سبعماية] Pl. V.
SILVER				
AR	434	Dehli 720	As on 430. Wt. 168.6. S. 1.08.	As on 430, but عشرين و سبعماية
	435	Dehli 721	" " Wt. 169.7. S. 1.1.	As on 430, but احدى و عشرين
	436	Dehli 722	" " Wt. 169. S. 1.1.	As on 430, but اثنى و عشرين Pl. V.
	437	Dehli 723	" " Wt. 170.2. S. 1.1.	As on 430, but ثلاث و عشرين
	438	Dehli 724	" " Wt. 169.1. S. 1.1.	As on 430, but اربع و عشرين
	439	Dehli 725	" " Wt. 167.4. S. 1.05. Dates observed : 720, 721, 722 723 724 725	As on 430, but خمس و عشرين

No.	Mint Date	Obverse	Reverse
R 440	Dārū-l- Islām —	As on 430. Wt. 168.3. S. 1.1. <i>Dates observed: 721 (Th.), 724 (B.M.), 725 (L.M.C.).</i>	As on 430, but بدر الاسلام and date cut.
			TUGHLUQ I
441	Deogir Fort 721	„ Wt. 165.3. S. 1.15.	As on 430, but بقلمه دیوگیر فی سنہ احدى و عشرين و سبعمائید
442	Mulk-i- Tilang 724	As on 433. Wt. 166. S. 1.	As on 433, but اربع و عشرين و سبعمائید Pl. V.
		<i>As Suzerain of Bengāl.</i>	
442 A	—	In square السلطان الاعظم غیاث الدین و الدین ابو المظفر تغلق شاه السلطان Wt. 169.2. S. 1.1. Ref. R. V. 19 (struck in Bengāl).	In square السلطان المعظم ناصر الدین و الدین ابو المظفر ابراهيم شاه السلطان بن سلطان
B		BILLON	
443	720	السلطان الغازی غیاث الدین و الدین Wt. 52.3. S. .65.	ابو المظفر تغلق شاه السلطان ۷۲۰
444	721	„ Wt. 50.5. S. .6	„ ۷۲۱

No.	Mint Date	Obverse	Reverse
TUGHLUQ I	B 445- 446	As on 443. Wt. 54.4. S. -6.	As on 443. vfr
447- 448	723	" Wt. 55.2; 56. S. -65.	" vfr
449- 451	724	" Wt. 55 (2). S. -6--65.	" vfr*
452- 453	725	" Wt. 55; 53. S. -6--65.	" vfo
454	—	" Wt. 55.6. S. -6.	" but without date. Pl VI.
455	715 (sic)	" Wt. 52.1. S. .6.	" vfo
456- 459	716 (sic)	" Wt. 55.6; 54.6. S. -6.	" vfr
460- 462	717 (sic)	" Wt. 55.5. S. -6	" vfr
462 A	726	" Wt. 55.5. S. -55. Ref. L.M.C. 373-374.	" vfr
463	727	" Wt. 55. S. -0.	" vfr

Pl VI.

Pl VI.

Pl VI.

Pl VI.

No.	Mint Date	Obverse	Reverse
B 464- 466	720	As on 443, but <i>vr.</i> to left of دین Wt. 55.7; 55. S. .65. Other date 721 (R. Lāhor, p. 89. 1).	In circle شاہ تغلی Around श्री सुलतां मयासुदी Pl. VI.
467- 469	—	السلطان الا عظم غياث الدنيا و الدين Wt. 52.2; 56; 55.5. S. .65-.65.	In double circle شاہ تغلی *Margin illegible; one coin has traces of السلطان just above شاہ Pl. VI.
Æ 469 A	—	السلطان الغازی Wt. 59.5 (worn). S. .65. Ref. R.M.	غياث الدنيا و الدين
469B*	—	السلطان الاعظم Wt. 62. S. .65. Ref. R (Lāhor), p. 137.	"
470- 474	—	In circle تغلی Wt. 56.5; 54; 46; 49.5; 31. S. .6.	In circle شاہ Pl. VI.

* Note to 467. A coin in the B.M. has the figures \wedge in the margin below تغلی.

* Note to 469 B. Rodgers has catalogued this among South Indian coins. It is of the Delhi weight standard, but substitutes الاعظم for the Delhi title الغازی. By analogy No. 467 should also be regarded as struck in South India, both coins belonging to the series represented in gold and silver by Nos. 433 and 442.

No.	Mint Date	Obverse	Reverse
MUHAM- MAD III		MUHAMMAD III BIN TUGHLUQ	
<i>N</i>		A.D. 725-752.	A.D. 1325-1351.
		GOLD	
		<i>A. Struck in memory of his father.</i>	
475	Dehli ? 727	In square within circle; as on 430.	In circle; as on 430, but *r; below أمير المومنين
		Wt. 169.5. S. .9.	<i>Margin</i> هذا السك بحضرة دهلې في سنه ? سبع و عشرين و سبعمائه
		Pl. VI.	
476	Quṭbabad (Baldat) 726	السلطان السعيد الشهيد الغازي غياث الدنيا و الدين	In circle ابو المظفر تغلق شاه السلطان انار الله برمانه
		Wt. 170.1. S. .95.	<i>Margin</i> عرب هذه السك في بلدة قطب باد سنة ست و عشرين [و سبعمائه
		Wh. Type XXXV.	Pl. VI.
		<i>Dates observed:</i> 725 (L. W. K.), 726, 727 (B.M.).	
476 A	Mulk-i- Tilang ?	As on 476. <i>Ref. R. II. 8.</i>	As on 476, but in margin في ملك تلنگ (date cut)
476 B	? Mulk-i- Ma'bar 730	As on 476, but the last two lines run into one. Wt. 245. S. .85.	As on 476, but in margin عرب هذا السك في ملك (معبّر) سنة ثلثين و سبعمائه
		<i>Ref. Thomas 178 (now in Berlin).</i>	Pl. XVIII.

No.	Mint Date	Obverse	Reverse
<i>N</i>		<i>B. Struck in his own name.</i>	
476 c	Dehli 725	In circle, the Kalima. <i>Margin</i> ضربت هذه السكة بحضرت دهلي في سنة خمس وعشرين و سبعمائة Wt. 198. S. 1. Ref. <i>N.C.</i> , 1885, p. 221. Wh. Type I.	المجاهد في سبيل الله محمد بن تغلق شاه Around Above ابو بكر Left عمر Below عثمان Right علي
477	Dehli 725	" Wt. 169.4. S. 1.	"
478	Tughluq- pūr 'urf Tirhut (<i>Iqlīm</i>) 735	As on 476 c, but margin ضربت هذه السكة اقليم تغلق پور عرف تروته في سنة خمس و ثلثين و سبعمائة Wt. 168.8. S. .9. Wh. Type I.	" Pl. VI.
479	Dāru-l- Islām 727	As on 476 c, but بدار الاسلام في سنة سبع Wt. 168. S. .9. Wh. Type I. <i>Dates observed :</i> 725 (<i>I.M.C.</i>), 726 (<i>B.M.</i>), 727, 729 (<i>N.S.</i> 35).	" Pl. VI.

**MUHAM-
MAD II.**

No.	Mint Date	Obverse	Reverse
MUHAM- MAD III	<i>N</i> 479A	Lakh- nauli 734	As on 476 c.
		As on 476 c, but بشهر لکنوتی فی سنہ اربع و ثلثین	
		Wt. 172.	
		Ref. N.S. 35 (H. R. N.).	Pl. XXIV.
480	Dehli 726	In double circle اشهد ان لا اله الا الله و اشهد ان محمدا عبده و رسوله	In circle الوائق بتائيد الرحمن محمد شاء السلطان
		Wt. 196.7. S. 1.	<i>Margin</i> عرب هذا الديثار حفرة دهلي سنه ست و عشرين و سبعماية
		Wh. Type III. <i>Dates observed</i> : 725 (Th.), 726, 727 (Th.).	
481*	Dehli 726	"	"
		Wt. 169.2. S. .95.	
		Wh. Type III.	
482*	Sultān- pūr city 726	As on 480, but arranged اشهد ان لا اله الا الله و اشهد ان محمدا عبده و رسوله	As on 480, but بشهر سلطانپور
		Wt. 168. S. .1.	
		Wh. Type III.	Pl. VI.
		<i>Dates observed</i> : 725 (B.M., 198 grs.), 726, 728 (B.M., 198 grs.), 729 (Th. 175, 175 (a), 170 grs.).	

* Note to 481. The lettering on this coin is much finer than is usually found on coins of this type, and its weight is unusual.

* Note to 482. L.M.C. No. 389 gives a coin of this type which is doubtfully attributed to Satgaon—wt. 198 grs.

[illegible]

No.	Mint Date	Obverse	Reverse
<i>N</i> 491 B	Dehli 741	As on 491 A. Wt. 171. S. .95. Ref. B.M.C., 328.	As on 491, but في الزمان MUHAM- MAD III No m.m.
491 c	" 742	As on 491 A, but اثنى and mm. 17 between اثنى and سنة S. .95. Ref. B.M.	As on 491, but m.m. 18 over زمان
491 D	" 742	" Wt. 166. S. .9. Ref. B.M.C., 330.	As on 491, but m.m. 19 over زمان
491 E*	" 743	As on 491 A, but ثلاث Wt. 170. S. .9. Ref. B.M.C., 331.	As on 491 c.
491 F	" 744	As on 491 A, but اربع S. .85. Ref. B.M.	As on 491. Indistinct m.m. over زمان
491 G*	" 744	" Wt. 169. S. .85. Ref. I.M.C., 317.	As on 491, but m.m. 20.

* Note to 491 E. H.R.N. has this with legends in circle.

* Note to 491 G. The variations in the dies and mint-marks of this type have not been sufficiently distinguished in the published records, and in the absence of the coins themselves the above record must be regarded as incomplete. Freaks and mules are not uncommon.

No.	Mint Date	Obverse	Reverse
MUHAM- MAD III			
<i>N</i> 491 H	Dehli 742	As on 491 c. <i>Ref. Vienna. The reverse die of a gold tankah of 'Alāu-d-dīn Muhammad has been used. A similar coin of 740 is reported from the Ermitage Museum, Leningrad.</i> Pl. XXIII.	As on 305 A. Margin cut.
492*	—	In quatrefoil الله الحاكم بامر Wt. 170-8. S. .7. Wh. Type XXXI.	In quatrefoil احمد العباس بو To left of بو the numeral ٥
492A*	—	In quatrefoil within circle في زمان الامام المومنين امر الحاكم بامر Wt. 170. S. .75.	In quatrefoil within circle الله ابو العباس احمد خلد ملكه Pl. XXIII.
492B*	—	As on 492A, but in double six-foil. M.m. 9 to right of في and above الح M.m. 16 over منين Wt. 170. S. .85. <i>Ref. B.M.</i>	As on 492A, but in double sixfoil. M.m. 21 to right of الله M.m. 22 above حيد

* Note to 492. H.R.N. has this with A to left of بو.

* Note to 492 A. Acquired for Dehli, 1928.

* Note to 492 B. H.R.N. has this with legends in single six-foils and without m.m.

No.	Mint Date	Obverse	Reverse
<i>N</i> 492 o	—	As on 492 A, but in a cinquefoil. No m.m. Wt. 170. S. .75. Wh. Type XXIX. Ref. <i>I.M.C.</i> , 318.	As on 492 A, but in a cinquefoil. No m.m. MUHAM- MAD III
492 D*	—	As on 492 A, but without cinquefoil. Wt. 168. S. .75. Ref. <i>I.M.C.</i> , 319.	As on 492 A, but without cinquefoil.
492 E	—	" Wt. 169. S. .75. Wh. Type XXX. Ref. <i>I.M.C.</i> , 320.	الله س ابو العبا احمد خلد ملڪه
492 F	Sunâr- gāon 728	<i>As Suzerain of Bengāl.</i> In circle عرب بامر الائق بالله محمد بن تغلقشاه <i>Margin</i> هذه السكه بحضرة سنارگانو سن ثمان و عشرين و سبعماية Wt. 165. S. .9. Ref. B.M.	In circle السلطان المعظم غياث الدنيا و الدين ابو المظفر بهادر شاه السلطان ابن السلطان

*Note to 492 D. B.M.C. 335 has this coin with m. 16 to left of ملڪه.

[illegible]

No.	Mint Date	Obverse	Reverse
<i>R</i> 497 A	Dehli 725	As on 476 c. Wt. 166. S. .1. Wh. Type I. <i>Ref. I.M.C., 321.</i> *? Other date 728 (L.W.K.).	As on 476 c. MUHAM- MAD III
498	Satgāon 729	As on 476 c, but &c. بستکانو فی سنہ تسع Wt. 166.5. S. .95. Wh. Type I.	"
499	" 730	As on 498, but &c. فی سنہ ثلثین Wt. 164.4. S. 1. <i>Dates observed : 729, 730, 733 (I.M.C.).</i>	" PL VII.
499 A	Sunār- gāon 733	As on 476 c, but شہر سنارگان <i>Ref. J.A.S.B., 1922, p. 425.</i> <i>Dates observed : 733, 734.</i>	"
500	Lakh- nauli City ?	As on 476 c, but ? شہر لکھنؤتی سنہ Wt. 167.2. S. 1. Wh. Type I. <i>Dates observed :</i> 727 (R (G.M.), p. 48), 728 (B.M.), 729 (H. R. N.), 730 (L.M.C.), 733 (Th.).	As on 476 c. but محمد in second line.

* Note to 497 A. I have not been able to verify this date from the coin and am doubtful if the reading is correct.

MUNHAM- MAD III	No.	Mint Date	Obverse	Reverse
	AR 500A	Lakh- nauti 729	As on 500, but Kalima in a square within circle. Wt. 167.5. S. -1. Ref. B.M. and L.M.C., 410.	As on 500, but legend in square area, أبو بكر &c. in segments. Pl. XX.
	501	Dehli 725	As on 480. Wt. 141.5. S. 1. Wh. Type III. Dates observed: 725. 726 (L.M.C.), 727 (Th. 181).	As on 480, but margin عرب هذا العدلي بحضرة دهلي &c. سنة خمس Pl. VII.
	502	Deogir 727	" " Wt. 142.3. S. -85. Wh. Type III.	As on 480, but margin عرب هذا العدلي في قبة الاسلام اعنى حضرة ديوكير ۷۲۷ Pl. VII.
	503	Dehli 727	As on 483, but margin هذا العدلي بحضرة دهلي في سنة سبع و عشرين و سبعمائة Wt. 141.4. S. -75. Wh. Type II.	As on 483. Pl. VII.
	504	Deogir 727	As on 483, but margin هذا العدلي في قبة الاسلام اعنى حضرة ديوكير ۷۲۷ Wt. 141.3. S. -7. Wh. Type II.	" Pl. VII.

No.	Mint Date	Obverse	Reverse
R 504 A	Dārū-l- Islām 734	As on 489. Wt. 168. S. -8. Ref. Thomas 188. Wh. Type IV.	As on 489. MUHAM- MAD III
505	Dehli (Hazrat) 732	As on 489, but in margin حفرة دهلي سنة اثنين و ثلثين و سبعمائة Wt. 168.8. S. 8. Wh. Type IV.	"
		<i>In the name of the <u>Khalifa al-Mustakfi</u> I.</i>	
505A *	742	As on 491 c. Wt. 161.7. S. -9. Ref. W-K.	As on 491, but m.m. 16 above زمان
		<i>As suzerain of Bengāl.</i>	
505 B ?	—	In double square within circle السلطان الا عظم محمد شاه السد طان بن سلطان Wt. 166.9. S. 1.1. Ref. B.M.	In double square السلطان المعظم ناصر الدنيا و الدين ابو المظفر ابراهيم شاه السلطان بن سلطان

* Note to 505 A. See J.R.A.S., 1900, H.N.W., II. 14. This was struck from a gold die as the use of the word دينار indicates.

No.	Mint Date	Obverse	Reverse
MUHAM- MAD III	R 505 c*	Sunār- gāon 728	
		In square within circle عرب بامر الوائى بأله محمد بن تغلقشاه Wt. 164. Margin بسنارگانو سنه ثمان و عشرين و سبعمائه Ref. H. R. N.	In double square السلطان المعظم غياث الدنيا و الدين ابو المظفر بهادر شاه السلطان بن السلطان
		<i>South Indian.</i>	
506*	? 727	السلطان الا عظم ذى الفتح و الهاذل Wt. 30.5. S. .55. Wh. Type VIII.	بن ? محمد تغلقشاه Pl. VII.
B		BILLON	
		<i>A. Struck in memory of his father.</i>	
507*- 508 (a)	729	In circle السلطان السعيد الشهيد الغازى غياث الدنيا و الدين Wt. 55.5; 55. S. .6-5. Dates observed: 728 (I.M.C., 329), 729, 730 (L.M.C., 418), 731? (R. III. 29), 733 (B.M.), 734 (Th., p. 212).	ابو المظفر تغلى شاه السلطان انار الله برهانه [v] ٢٩ Pl. VII.

* Note to 505 c. Thomas, p. 215, gives this with a weight of 140 grs. which seems to be an error. The B.M. specimen weighs 165.5 grs.

* Note to 506. This is the reading given by Whittell. As an alternative for the obverse *الغياث والاحسان* may be suggested.

* Note to 507. Date visible on one coin only.

No.	Mint Date	Obverse	Reverse
B			
B. Struck in his own name.			
509	728	<p>In a six-foil border within a circle</p> <p>فرب في زمن العبد الراجي رحمة الله محمد بن</p> <p>Wt. 135.6. S. .8.</p> <p>Wh. Type VI.</p>	<p>In double circle</p> <p>السلطان السعيد الشهيد تغلق شاه ثمان سنة و عشرين و سبعمائة</p> <p>MUHAM- MAD III</p>
510-511	"	<p>"</p> <p>Wt. 137; 115.3. S. .8; .75.</p>	<p>"</p> <p>but no circle.</p>
512*-513	729	<p>"</p> <p>Wt. 138; 139.6. S. .75.</p>	<p>In double circle; as on 509, but</p> <p>تسع</p>
514	730	<p>"</p> <p>Wt. 134.4. S. .75.</p>	<p>"</p> <p>but</p> <p>سنة ثلاثين و سبعمائة</p>
514 A	"	<p>"</p> <p>Wt. 137. S. .75.</p> <p>Ref. B.M.C., 272.</p>	<p>"</p> <p>but no circle and</p> <p>ثلاثين سنة و سبعمائة</p>

* Note to 512. The unit of the date is written تسعة on some specimens.

No.	Mint Date	Obverse	Reverse
MUHAM- MAD III	B 515- 516	732	
		As on 509, but last line الله محمد بن Wt. 126.5; 132.3. S. -8.	As on 509, but with circle and in last line الله محمد بن سنة
	517*- 518	735	
		ضرب في زمن العيد الرابعي برحمه الله محمد بن Wt. 138.2; 140.3. S. -7.	" تغلقشاه خمس سنة و ثلثين و سبعمائة
			Pl. VII.
	519	740	
		As on 515. Wt. 138.6. S. -7.	As on 514 but اربعين
	519A	"	
		" Arranged as on 509 but without six-foil. Wt. 131.2. Ref. H. R. N.	" تغلقشاه but
	520*- 521	741	
		As on 515. Wt. 139.9; 140.5. S. -7.	As on 509 but احدي سنة و اربعين و سبعمائة
		<i>Dates observed :</i> 727 (B.M.). 728, 729, 730, 732, 733?, 734 (B.M.), 735, 737 (H. R. N.), 740, 741, 742 (H. R. N.).	

* Note to 517. The characters on the coins of this year are distinctive.

* Note to 520. The record of a coin of 747 in N.S. xxxv must be due to misreading. The unit of the date on coins of 727 is written ٧٠٠.

No.	Mint Date	Obverse	Reverse
B 521A	Delhi <i>Dārū-l- mulk</i> 730	قرب في زمن العبد الراجي رحمة الله محمد بن تغلقشاه Wt. 60.5. S. .65. <i>Ref. R (Lāhor), p. 92. 20.</i>	الدرهم بدار الملك دهلي سنة ثنتين و سبعماية MUHAM- MAD III
522*- 525	725	In circle الجهاد في سبيل الله Wt. 55.6; 55.3; 42.3. S. .65. Wh. Type VII.	In circle محمد بن تغلقشاه ٧٢٥ Pl. VII.
526	726	" Wt. 55.7. S. .6.	" but ٧٢٦
527- 528	727	" Wt. 52.6; 56.3. S. .6. <i>Dates observed: 725, 726, 727, 728 (H. R. N.).</i>	" but ٧٢٧
528A	—	As on 522. Wt. 52. S. .7. Wh. Type VII-74.	As on 522, but السلطان in place of date.

* Note to 522. B.M. has this with the date inverted—٧٢٧—and another coin with traces of outer dotted circle.

	No.	Mint Date	Obverse	Reverse
MUHAM- MAD III	B 529- 530	726	In double circle السلطان العادل Wt. 55; 47.6. S. -6. Wh. Type IX.	محمد بن تغلقشاه Pl. VII.
	531- 534	727	" Wt. 56.1; 58.6. S. -6.	but " ۷۲۷
	535	728	" Wt. 56. S. -6. <i>Dates observed: 726, 727, 728, 729 (R. Lahor, p. 94).</i>	but " ۷۲۸
	536*- 537	727	In circle (double on some coins). في زمن السلطان العادل محمد بن تغلقشاه Wt. 48 (worn); 56.2. S. -55. Wh. Type X.	In circle (double on some coins). دامت سلطنته في سنة سبع و عشرين و سبعمائة Pl. VII.
	538	727	In circle الراجي رحمة الله الكريم Wt. 48.3. S. -6. Wh. Type XIII.	In circle محمد بن تغلق سنة سبع و عشرين و سبعمائة

* Note to 536. Thomas (No. 192) records a coin of 732 of this type, but it is not traceable.
All known coins are of 727.

No.	Mint Date	Obverse	Reverse
B 539- 541	733	As on 538. Wt. 55; 55.5. S. .6.	As on 538, but ثلث سنة ثلثين و سبعمائة Pl. VII.
542- 543	734	" Wt. 56. S. .6.	" but اربع
544- 545	735	" Wt. 55.2. S. .6.	" but خمس
546- 547	737	" Wt. 54.8. S. .6.	" but سبع و ثلثين
548	738	" Wt. 55.2. S. .6.	" but ثمان
<i>Dates observed:</i> 727, 730 (Th.), 732 (B.M.), 733, 734, 735, 736 (B.M.), 737, 738, ? 739 (R. Lahor, p. 94).			
549- 551	734	" but no circle. Wt. 57. S. .6. Wh. Type XIV.	" but سنة ٧٣٤ and no circle.

	No.	Mint Date	Obverse	Reverse
MUHAM- MAD III	B 552- 554	733	In double circle الملك و العظيمة الله Wt. 56.3. S. -6. Wh. Type XII.	In circle عبد الراجي محمد تغلق ۷۳۳
	555	734	" Wt. 54.5. S. -6.	" but ۷۳۴ Pl. VII.
	556- 557	735	" Wt. 55.3. S. -6.	" but ۷۳۵
	558	736	" Wt. 54.8. S. -6.	" but ۷۳۶
	559	737	" Wt. 51.3. S. -6.	" but ۷۳۷
	560	738	" Wt. 55.8. S. -6.	" but ۷۳۸
<i>Dates observed :</i>				
732 (B.M.C.), 733, 734, 735, 736, 737, 738, 739 (Th.).				

No.	Mint Date	Obverse	Reverse
B 561*— 562	—	In double circle as on 538. Wt. 55.8. S. 55. Wh. Type XV.	In double circle محمد تغلق Margin illegible.* Pl. VII.
563*	730	In circle الرائق ب نصر الله ٧٣٠. Wt. 53.2. S. 55. Wh. Type XI.	In circle محمد بن تغلق شاه
564	733	but ٧٣٣ Wt. 51.6. S. 55. <i>Dates observed : 730, 733, 734 (L.W.K. 3164).</i>	" Pl. VII.
Æ		COPPER	
565	—	In double circle السلطان ظل الله Wt. 65.6. S. 55. Wh. Type XVI.	In double circle محمد بن تغلق شاه Pl. VII.

* Note to 561. A fine specimen in B.M. has a clear margin reading سنه اربع و ثلثين و سبعماية.

* Note to 563. R. (Lahor, p. 94. 30) gives a coin of this type and weight without date. These coins are probably South Indian, vide Hultzsch, 'The Coinage of the Sultans of Madura', J.R.A.S., July 1909.

MUHAM- MAD III	No.	Mint Date	Obverse	Reverse
	Æ 566	730	In double circle Wt. 53.2. S. -6. Wh. Type XVIII.	In double circle عبد تغلق محمد بن Pl. VII.
	567	732	but " Wt. 56.3. S. -6. <i>Dates observed : 730, 732.</i>	" but arranged محمد بن تغلق
	568*	—	In double circle Wt. 54.7. S. -6. Wh. Type XVII.	In double circle محمد بن تغلق
	569- 571	732	In double circle الملك والعزة لله Wt. 51.3; 54.5. S. -55. Wh. Type XIX. <i>Dates observed : 732, 741 (H. R. N.).</i>	In circle محمد تغلق Around سال بر محمد سی دو Pl. VII.

* Note to 568. is sometimes written .

No.	Mint Date	Obverse	Reverse
Æ 572*	—	In circle الإمام العادل Wt. 50.2. S. .55. Wh. Type XXI.	In circle محمد بن تغلق شاه MUHAM- MAD III Pl. VII.
573*	—	In double circle محمد Wt. 43.5. S. .55. Wh. Type XX.	In double circle تغلق شاه Pl. VII.
C. Forced Token Currency.			
574*	Dehli 730	In circle من اطاع السلطان فقد اطاع الرحمن Around enclosed in a double circle در تخت گاه دهلی سال بر هفتصد سی Wt. 141. S. .8. Wh. Type XXXIX.	In double circle مهر شد تنک رائج در روزگار بنده امیدوار محمد تغلق
575— 576	Dehli 731	but سی یاه Wt. 143. S. .8.	"

* Note to 572. Classified by Rodgers (Lahor, p. 187) as South Indian.

* Note to 573. A similar coin in the B.M. weighs 50 grs. . Thos. 211 gives the weight as 54 grs. I.M.C. 871 is 55.5 grs. It may be noted here that Professor Hultzsch in his 'The Coinage of the Sultans of Madura' (J.R.A.S., July 1909) assigns a small coin of 14 grs. with السلطان on the obverse and العادل on the reverse to Muhammad.

* Note to 574. Many of these token coins are of brass.

MUHAM- MAD III	No.	Mint Date	Obverse	Reverse
	Æ			
	577	Delhi 732	As on 574, but س د د <i>Dates observed : 730, 731, 732.</i>	As on 574.
	578	" (Shahr) 732	" but در شهر دہلی Wt. 129 (worn). S. -8.	"
	579	Tughluq- pār 'urf Tirhut (Iqlīm) 731	" but انظیم تغلق پور عرف ترہٹ and سے دیکھ Wt. 141-8. S. -8.	"
	580- 581	" 732	" but سی در Wt. 136. S. -8. <i>Dates observed :</i> 730 (H. R. N.), 731, 732.	"
	582	Dārū-l- Islām 730	" but در دارالاسلام سال بر هفتصد سی Wt. 142. S. -8.	"
	583	" 731	" but س د د	"

PL VII.

No.	Mint Date	Obverse	Reverse
Æ MUHAM- MAD III 590A	Dhār 731	As on 589. Wt. 115 (worn). S. .8. <i>Ref.</i> R. B.	As on 574, but پنج گانی in place of رائج
591- 592	"	but دره دامار Wt. 128. S. .8.	As on 574.
593	Satgāon 731	but در عرصت ستگانو and سی يك Wt. 139. S. .8. <i>Dates observed:</i> 730 (I.M.C.), 731.	"
593A	Sultān- pūr 731	but در تخت گاه سلطانپور and منمده سی يك <i>Ref.</i> R.P.J.	"
593B*	Lakhnauli (Iqlīm) 730	but در اقلیم لکھنوتی and سی Wt. 141.5. S. .75. <i>Ref.</i> B.M.C. 305 b. <i>Dates observed:</i> 730, 731 (I.M.C.)	"

* Note to 593 B. Whittell lists one of A.H. 732, but در was misread as دو.

No.	Mint Date	Obverse	Reverse
Æ 602- 603	Dehli 732	As on 600. Wt. 83.5. S. -65. <i>Dates observed: 730, 732.</i>	As on 600, but في سنة اثنى و ثلثين و سبعمائة Pl. VIII.
604- 605	Dāru-l- Islām 730	As on 600, but last line reads العبد محمد بن تغلق Wt. 80.5. S. -65.	بدار الاسلام في سنة ثلثين و سبعمائة
606- 607	Dehli Dāru-l- mulk 730	As on 604. Wt. 80.5. S. -65.	بدار الملك دهلي في سنة ثلثين و سبعمائة
608	"	As on 601. S. -65.	"
608 A	Daulat- abad 730	As on 600. Wt. 79. S. -6. <i>Ref. I.M.C., 396.</i>	As on 600, but second line reads دولتآباد
608 B*	—	In double circle محمد تغلق Around श्री सोहमद Wt. 73.1. S. -6. <i>Ref. B.M.C., 318.</i> Wh. Type LI.	سکه زد چانز در عهد بندہ امیدوار محمد تغلق

* *Notes to 608B.* Four specimens in the cabinet of the late Major R. P. Jackson elucidate the reading of the reverse, but the obverse margin is left still in doubt. This is probably an issue of South India, where most of Major Jackson's coins were collected.

MUHAM- MAD III	No.	Mint Date	Obverse	Reverse
	Æ 609- 610	730	In double circle محمد بن تغلق Wt. 67. S. -55. Wh. Type XLIII.	In double circle عرب الربيع ٧٣٠.
	611	732	محمد بن تغلق Wt. 66.7. S. -6. <i>Dates observed:</i> 730 (I.M.C.), 732.	but " ٧٣٢ Pl. VIII.
	611 A	Daulat- ābād 730	In double circle عرب الربيع في زمن العهد محمد بن تغلق Wt. 66.7. S. -55. Ref. B. M.	In double circle بحضرة دولت آباد سنة ثلثين و سعمائة Pl. XX.
	612*- 615		In double circle محمد تغلق Wt. 58.2 ; 55.5. S. -55. Wh. Type XLIV.	In double circle عدل هشت گانه Pl. VIII.
	616		" Wt. 25. S. -5. Wh. Type XLV.	In double circle سکه دو گانه Pl. VIII.

* Note to 612. Two of these are variants of the other two. The difference lies in the closing of the گ and ا in گانی as against an open گ, and in the dots over تغلق.

No.	Mint Date	Obverse	Reverse
		<p>D. <i>Struck in the name of the Khalīfas.</i> MUHAMMAD III</p> <p>(a) Al-Mustakfi I.</p> <p>BILLON</p>	
B 617	[Dehli] 744	<p>الامام الاعظم خليفة الله في العالم (sic) ٧٤٤</p> <p>Wt. 138. S. .75. Wh. Type XXIV.</p>	<p>In circle المستكفي بالله امير المو منين</p> <p>Margin [ضرب هذه السكة بمحضرت دهلي سنة اربع و اربعين و سبعمائة]</p>
618- 619	—	<p>" but no date visible.</p> <p>Wt. 133. S. .75. Dates observed : 743 (B.M.), 744.</p>	<p>" Margin illegible.</p>
620	756 (?)	<p>" but without date; traces of enclosing circle.</p> <p>Wt. 125.3. S. .8. See under Wh. Type XXIV.</p>	<p>" but margin سال بر هفتصد و خمسين ست (or ٥٠٥)</p>
620 A*	Daulat- ābād 744	<p>الامام الاعظم خليفة الله في العالمين ٧٤٤</p> <p>Wt. 141. S. .7.</p> <p>Ref. R. (Lāhor, p. 95. 40). This is doubtless Thomas 215 (a). Dates observed : 744 R (Lāhor), 745 (I.M.C., 359).</p>	<p>In circle المستكفي بالله امير المومنين</p> <p>Margin ضرب هذه النصفى ؟ . . . دولت اباد سنة اربع و اربعين و سبعمائة</p>

* Note to 620 A. The reading النمى requires to be verified. The weight of the I.M.C. coin is unusually high, 146 gra.

MUHAM- MAD III	No.	Mint Date	Obverse	Reverse
	S 621*	—	<p>الله الكافي</p> <p>Below m.m. 17.</p> <p>Wt. 70.8. S. .65.</p>	<p>المستكى الخليفة</p> <p>Above and below m.m. 17.</p>
	622	742	<p>In circle</p> <p>الله الكافي في شهر</p> <p>Wt. 66.5 (corroded). S. .7.</p> <p>Wh. Type XXVIII.</p> <p><i>Dates observed: 742, 744</i> (H. R. N., wt. 68 grs.).</p>	<p>In circle</p> <p>[و الخليفة] [المستكى] ٧[٤]٢</p>
	622 A	743	<p>خليفة الله في شهر</p> <p>Wt. 55. S. .6.</p> <p>Wh. Type XXVI.</p> <p><i>Ref. B.M.G., 333.</i></p> <p><i>Dates observed: 742 (Th.),</i> 743 (B.M.).</p>	<p>المستكى بالله ٧٤٣</p>
	Æ 623	—	<p>In circle</p> <p>الله الكافي</p> <p>Wt. 50. S. .6.</p> <p>Wh. Type XXVII.</p>	<p>In circle</p> <p>و الخليفة المستكى</p>

COPPER

PL. VIII.

* Note to 621. R. V. 36 records one of 77 grs.

No.	Mint Date	Obverse	Reverse
		(b) Al-Hakim II.	
		MUHAMMAD III	
		BILLON	
B 624	748	In quatrefoil الله الحاكم بامر Wt. 141.5. S. .7. Wh. Type XXXIII.	In quatrefoil ابو العباس احمد M.m. 24 to left of ابو M.m. 23 to left of احمد
624 A	"	" S. .7. Ref. W. E. M. C.	" but m.m. 25 to left of احمد
624 B	"	" S. .7. Ref. B.M.C., 339.	" but m.m. 16 to left of احمد
625	749	but " ٧٤٩ Wt. 140.5. S. .7.	" but m.m. 17 to left of احمد PL VIII.
625 A	"	" Wt. 140.5. S. .7. Ref. B.M. Dates observed : 748, 749, 750, 751 (Th.).	" but m.m. 26 to left of ابو

No.	Mint Date	Obverse	Reverse
MUHAM- MAD III	B 626	— In six-foil within circle, but no date. M.m. 27 over الح Wt. 137.7. S. -7.	In six-foil within double circle احمد العباس بو M.m. 9 over احمد and ١١ PL VIII.
	627	— " " but m.m. 16. Wt. 143.2. S. -65.	" " but without m.m.
	628*	— " " but no m.m. Wt. 141.3. S. -7.	" "
	628 A	— " " but m.m. 28. S. -7. Ref. W. E. M. C.	" "
	628 B	— " " but m.m. 93. Ref. R. B.	" "
	628 C	— " " but m.m. 94. Ref. R. B.	" "

* Note to 628. H.R.N. has one with * to left of **بو** on reverse.

No.	Mint Date	Obverse	Reverse
B 629*- 632	—	In quatrefoil within circle الله الحاكم يا امر Wt. 135.5; 140; 140.5. S. .7. Wh. Type XXXI.	In quatrefoil within circle MUHAM- MAD III احمد العباس بو ع to left of بو
633	—	" Wt. 133.5. S. .7.	" but 1 to left of بو
634	—	" Wt. 139.7. S. .7	" but v to left of بو Pl. VIII.
635*- 636	—	" Wt. 138.8; 140.3. S. .7.	" but no figure to left of بو
636 A	—	As on 629, but in double circles, divided into twelve parts by lozenges and bars. M.m. 16 above ل Wt. 139.3. S. .65. Ref. B.M.C., 338.	As on 629, but in six-foil within circle. No m.m.

* Note to 629. H.R.N. has this with * to left of بو.

* Note to 635. Some coins have m.m. 29 to left of ابو (B.M.). Another (B.M.) has m.m. 16. A coin of W.E.M.C. has m.m. 16 over ل on obv., with no rev. m.m. Another has m.m. 30 to left of بو. P.B. has a specimen with m.m. 14

No.	Date Mint	Obverse	Reverse
NUḤAM. HAD III			
B 636 B	—	In cinquefoil الامام امير المؤمنين الحاكم Wt. 140. S. .75. Wh. Type XXXII. Ref. T. B. H.	In cinquefoil الله بامر احمد ابر العباس خلدت خلافته
637* 637 (a)	—	As on 629. Wt. 55. S. .35.	As on 629. بو to left of ع
638	—	" Wt. 53.3. S. .35. Cl. Wh. Type XXXI. 144.	" but a to left of بو
639	—	" Wt. 47.8 (worn). S. .35.	" but no figure to left of بو
Æ			
640- 641	748	In double circle الحاكم بامر الله ٧٤٨ Wt. 53.6; 53.5. S. .6; .55. Wh. Type XXXIV.	In double circle ابر العباس احمد Pl. VIII.

* Note to 637. B.M. has this with v to left of بو. H.R.N. has a coin with p to left of

No.	Mint Date	Obverse	Reverse
Æ 642-644	749	As on 640-641, but v st Wt. 54.5; 56.3; 53.8. S. .55.	As on 640-641. MUHAM- MAD III
645	750	but " v st . Wt. 52.3. S. .55.	"
646	751	but " v st . Wt. 52.5. S. .55. <i>Dates observed:</i> 748, 749, 750, 751, 752 (H.R.N.), 757 (R. Lahor, p. 96), 759, 771! (H. R. N.). <i>Coins assigned to Muhammad Tughluq.</i>	"
B?		BILLON?	
647*	—	In eight-foil within circle, divided up by lozenges. چیتل Wt. 50. S. .55.	In eight-foil دو گمان امامی PL VIII.
Æ		COPPER	
647 A	—	In triple circle, the second one dotted. چیتل Wt. 74. S. .6. Ref. Thomas, 207 (now in Berlin).	Enclosed as on obv. امامی یگانہ PL. XXIII.

* Note to 647. Dr. Plenderleith reports that the specific gravity of the coin indicates a trace of silver in its composition. R. IV. 26 is a similar coin—wt. 51.7 grs. See also R. IV. 30 the attribution of which to Muhammad Tughluq is not certain.

No.	Mint Date	Obverse	Reverse
MAHMŪD		MAHMŪD BIN MUHAMMAD TUGHLUQ	
		A.H. 752.	A.D. 1351.
A		GOLD	
648	752	<p>يحيى امير المومنين غياث الدنيا و الدين ابو المظفر</p> <p>Wt. 168.5. S. .85.</p>	<p>In circle</p> <p>محمود شاه بن محمد شاه بن تعلقشاه السلطان ver</p> <p>Pl. VIII.</p>
R		SILVER	
648 A	752	<p>As on 648.</p> <p>Wt. 169.4. S. .85.</p> <p>Ref. B. M. (Cun.).</p>	<p>As on 648.</p> <p>Pl. XX.</p>
B		BILLON	
648 B	? Dehli	<p>السلطان الا عظم غياث الدنيا و الدين</p> <p>Wt. 55.3. S. .55.</p> <p>Ref. B. M.</p>	<p>In double circle</p> <p>شاه محمود</p> <p>Margin در دہلی ?</p> <p>Pl. XX.</p>

TUGHLUQS—A

TUGHLUQ I

TUGHLUQ

I

The gold and silver *tankahs* of Ghiyāsu-d-dīn Tughluq issued from his capital were unusually well and carefully struck and are generally met with in good condition, with the marginal legend complete. The scarcer coins of the Dāru-l-Islām and Deogir mints followed the same pattern, though with less regard for good execution. But a completely new type (Nos. 433 and 442) was started in A.H. 724-5 to celebrate the conquest of Telingāna—and we find the name of a province (Mulk-i-Tilang) figuring as the mint in place of its chief town Warangal, known later as Sultānpūr. The silver *tankah* of this issue is unique, and but few specimens are known of the gold coin.

Catalogue
Nos.
430-474
Pages
111-115

No. 442 A is an interesting coin, struck in recognition of Tughluq's suzerainty of Bengal, after the expedition which he personally undertook in A.H. 724, as a result of which Ghiyāsu-d-dīn Bahādur Shāh was deposed and Nāṣiru-d-dīn Ibrāhīm Shāh set up at Lakhnauti.

The coin ascribed to this Sultān by Thomas (*Chron.*, No. 158) is one struck by Muḥammad III at Quṭbābād in memory of his father (see No. 475). What Thomas read as 721 is merely an ill-formed السلطان, as other specimens disclose.

In billon Tughluq continued the bilingual issue introduced by Balban and assay (App. B) shows that the same value attached to it as in the reigns of Balban and Muḥammad II. This type appears to have been abandoned—permanently—after A.H. 721. The other type, No. 443, of normal style was issued throughout the reign. An assay of five coins of this type made in the British Museum showed that they contain on an average something under 25 per cent. of silver or about 14 grains. This has been confirmed by the later assay of seven coins of the same type by the Royal Mint (App. B), the average silver content working out to 13.47 grains per coin. Thus these coins correspond to the higher-value billons of Muḥammad II, which there is reason to think were (debased) 8-rati pieces or twelfths of a *tankah*, replacing the silver *māsha* of earlier days.

No. 454 to 463, though of the same type and weight as No. 443 to 453, clearly did not issue from imperial head-quarters. A clue to the locality from which they issued is afforded by a comparison of their script with that of the gold *tankah* of Quṭbābād mentioned above. The similarity of the words المظفر and السلطان as they appear on both types is striking. No. 454, which evidently never had any date on it, was

TUGHLUQ probably the earliest local issue struck when Tughluq's son, Muḥammad, had returned to Deogīr after his first unsuccessful operations in Telin-gāna.

I

It will be noticed that the dates run on to 726 and 727, whereas Tughluq died in 725, and it may be conjectured that the continuance of the type was due to local ignorance of events at the capital. For the decimal figure 1 on Nos. 455-462 unskilled workmanship was, we may suspect, responsible.

A third type of this reign (No. 467) was probably also part of the currency of Tughluq's South Indian territories, and was thus a counterpart of the Dehli 8-*raṭī* piece above noticed, the two coins assayed (App. B) giving a silver return of 13.40 grains per coin.

In copper the 40-*raṭī fulūs*, the standard copper coin of the preceding reigns, is only represented by a solitary specimen from the imperial mint, (No. 469A) and a few coins with *الاعظم* instead of the Dehli *الغازي*. The latter have been attributed to South India. At the capital, at any rate, this type must have disappeared from the currency at a very early stage, for the only copper coins of Tughluq found in any abundance are No. 470. The weights of these vary so considerably that their purchasing power can hardly have been determined other than by the market value of the metal they contained. At the same time there do occur in some of the preceding reigns certain coins which appear to represent the traditional 32-*raṭī* (57.6 grains) standard, and to this latter we may perhaps trace the origin of Tughluq's issues five, instead of four, going to the *ḡīṭāl*. Nos. 238 (46.2 grains), No. 249 B (56.2), 269 (49), and 417 (*bis*) (54.7) may be quoted as instances of this connexion.

MUḤAM- MAD III

MUḤAMMAD III¹

Catalogue
Nos.
475-647 A
Pages
116-153

Thomas very appropriately calls Muḥammad bin Tughluq the prince of moneyers. He stands out pre-eminent both for the variety and for the interest of his coins. Indeed the currency policy of this reign might almost be described as kaleidoscopic while the engraver's art that is displayed is of a very high order.

A useful list of the coins of this reign compiled by Major H. M. Whittell was published in N. S. xxxv of the *J.A.S.B.*, 1921, in which no less than fifty-one different types were described. Reference to Major Whittell's type numbers will be found in the catalogue, but I have thought it better that the coins should be recorded, so far as circumstances permit, in the chronological order of issue.

One of the features of the coinage of this reign is the expansion of

¹ For a valuable history of this reign by Lt. Col. Sir W. Haig, see *J.R.A.S.*, July 1922, p. 819.

the mint system. Imperial issues are found from no less than nine **MUHAM-** mints from Dehli in the north to Tilangāna (or possibly the still more **MAD III** distant province of Ma'bar) in the south. Omitting Daulatābād and Quṭbābād as synonyms of Deogīr, we have coins struck at Dehli, Dārul-Islām, Deogīr, Dhār, Lakhnauti, Satgāon, Sulṭānpūr, Tilangāna (Mulk-i-Tilang), and Tughluqpūr *alias* Tirhut.

Muhammad's coins may be conveniently divided into four classes :

- A. Those struck in memory of his father and recording only the latter's name—commemorative issues.
- B. Those struck in his own name—normal issues.
- C. The forced currency—copper or brass token issues.
- D. Those recording only the names of the 'Abbāsi Khalifas—Khalifa issues.

Class A

The coins of class A seem to have been issued mainly in South India. Nos. 475 and 493, respectively gold and silver *tankahs*, were struck at Quṭbābād, which, as has been shown in dealing with the coins of Mubārak I, was another name for Deogīr. The mint-name on these coins has hitherto been thought to be Baldat Daulatābād, but apart from the fact that the initial د of the supposed Daulatābād is always absent, there is reason to suppose from the numismatic evidence (cf. Nos. 484 and 486 A) that it was not till A.H. 728 that Deogīr was renamed Daulatābād. The specimens of the gold and silver *tankahs* now illustrated leave no doubt as to the true reading.

The silver *tankah*, No. 494 A, of the Mulk-i-Tilang (Tilangāna) mint is unique. The reading of the mint-name on 475 A is questionable. It might be 'Baldat Quṭb(ābād)'. I do not know where the coin now is.

A few coins only are known of the type of No. 476 from the Dehli mint. They were at one time thought to be of doubtful authenticity but are now generally accepted as genuine (vide *J.A.S.B.*, 1904, N. S., II, art. 11). At the foot of their reverse area occurs a mysterious فر for which no explanation is at present forthcoming. Conceivably the figures represent an anagram concealed in '*abjad*'. Another example of unexplained figures being included in the inscription is found on some rupees of Islām Shāh.

Perhaps the most singular coin of this series is No. 475 B with an inscription similar in terms to that on No. 475 but with the extraordinary weight of 245 grains in spite of being a 'worn coin'. This was recorded by Thomas (p. 212), who was unable to read the mint-name. It is suggested that the missing words may be في ملك مصر —the Kingdom of Ma'bar—and Mr. J. Allan thinks that in that case the coin may be intended

MUHAMMAD III to represent a four pagoda-piece, the average weight of the pagoda current in the fourteenth century in the Hoysala country, in which Ma'tar lay being 63 grains.

Muhammad's advent to the throne followed on the murder of his father on his return from Bengal, and the weight of the evidence, which has been scrutinized by Sir W. Haig in *J.R.A.S.*, 1922, pt. III, fixes the responsibility for this crime on Muhammad himself. It may well therefore be that the method of honouring his father's memory, by striking coins in his name after his death, was a calculated piece of hypocrisy on the part of Muhammad, meant rather to clear himself than to honour his father. It would be natural that this move should be more elaborated in South India than in Delhi, where the facts would be better known and at the same time Muhammad's position stronger. That the coins were the result of a fit of remorse is hardly consistent with what we know of Muhammad's character. Except in the case of No. 475 B the issue of these commemorative pieces in gold and silver seems to have been confined to the first three years of Muhammad's reign. In billon (No. 507) it continued till A.H. 784. These latter pieces have always been regarded as South Indian coins.

Class B

The Sultān lost no time in departing from the standardized designs of his predecessors. The *tankahs* are now less broad, but the die is more in accord with the *ṣan* and the striking is executed with more care. The 'kalima', which had been discarded on the coins after *Īltutmish*, becomes a prominent feature of the inscriptions. Muhammad did indeed at the outset of his reign issue a gold *tankah* of the normal weight of 96 *ratīs* (No. 477) but very soon after, if not simultaneously, he struck out a line of his own by introducing two novel pieces, one 16 *ratīs* (i.e. one-sixth) higher in weight in gold and the other 16 *ratīs* or one-sixth lower than the *tankah* in silver. The former was known as a *dīnār* (No. 480, Wh. III) and the latter as an '*adli*' (No. 501)¹ The lower weight was brought into the gold currency in A.H. 728 (No. 486 A) in South India. Muhammad's first issue (No. 477), of which a single specimen of heavy weight is also known—quickly gave way to his second (No. 480) which was almost entirely confined to *dīnārs* and for a time that coin was more prevalent in the capital than the *tankah*. A third issue, also of the *dīnār* weight but of a small dumpy type, appeared in A.H. 727 (No. 483, Wh. II), and a fourth in A.H. 728 (No. 487, Wh. VI).² The appearance of the latter, which bears traces of South Indian influence in the use of the expression السعيد الشهيد (cf. Nos. 475 and 493) coincided

¹ At the 10:1 ratio 12 '*adlīs* would exchange for a gold *tankah* and 14 for a gold *dīnār*.

² The billon issue of this type (No. 509) begins in A.H. 727 and it seems probable that a gold *dīnār* or *tankah* (or both) of this date will turn up in due course.

with Muḥammad's transfer of the capital to Deogīr. In this issue **MUḤAM-** both *dīnārs* and *tankaḥs* were struck concurrently until A.H. 729 and **MAD III** were indistinguishable except by weight.

Yet another issue of a different design (No. 489, Wh. IV) appeared after the abandonment of the forced coinage. The date 727 given by Thomas for this variety is almost certainly an error and the silver *tankaḥ* of the same type indicates that A.H. 732 was the first year of the issue, though the earliest recorded specimen in gold is of A.H. 733. All coins of this issue were of *tankaḥ* weight. One is tempted to speculate how far the reverse legend was prompted by Muḥammad's sense of humour, for the state of the exchequer at that time must have been lamentably reduced by the redemption of the copper tokens.

After 729 and up to 741 Muḥammad seems to have relied on types IV and VI for his gold coinage, for we get no coins of the earlier types with dates later than 729 except a few rare specimens struck at the Bengal mints of Satgāon, Lakhnauti, and Tirlut. After 729 also there was no further issue of *dīnārs*, with exceptions again in Bengal (No. 485), and a possible explanation may be that this coin was not so convenient for exchange with the well-established silver *tankaḥ* as the gold *tankaḥ*. The normal silver and gold *tankaḥs* had exchanged at the ratio of 10 to 1, and this was the ratio found existing by Ibn Batūṭah when he arrived at Dehli in A.H. 734.¹ It looks therefore as if the *dīnār* had dropped out of circulation by then.

Conversely the need of a gold coin to represent 10 of the silver 'adlīs of 80 *ratīs*, which Muḥammad had introduced in Dehli as early as A.H. 725 (No. 501), and of which at the 10 to 1 ratio 14 would have gone to the *dīnār*, seems to have been felt early, at any rate in South India, for in A.H. 728 a gold piece of 80 *ratīs* (144 grains) issued from the mint of Daulatābād (No. 486 A), and in A.H. 729 from the neighbouring mint of Sultānpūr (Warangal). One might have expected to find a similar piece struck at Dehli, where 'adlīs are known of A.H. 725, 726, and 727, but by A.H. 728 when the first gold 'adlī, if we may so call it, was thought of, Dehli had been replaced as Muḥammad's capital by Daulatābād (Deogīr).

The only other gold issues of this class are the very scarce half-*dīnār* of type V (No. 486 C), which bears no date but must have been issued before the close of A.H. 729, and the unique coin of A.H. 729 in the Lucknow Museum, No. 485 A, which recalls type II though with a different

¹ We are not satisfied that the normal ratio of 10:1 for silver and gold, which Ibn Batūṭah found in A.H. 734, was disturbed by Muḥammad Tughluq, as suggested by Thomas. The excess of gold may have accounted for the *dīnār*, which was probably just a whim of Muḥammad, but that excess was mainly in the Sultan's treasury and controllable by him. The gold *tankaḥ* still exchanged for 10 silver *tankaḥs* while the heavier coin had a convenient counterpart in the 'adlī.

MUHAM- reverse. The mint of this piece has not been satisfactorily read but the
MAD III inclusion in the inscription of the expression *الوائى بنصر الله* connects the coin with the South Indian billon No. 563.

No. 492 r and its counterpart in silver No. 505 c are coins struck in Sunārgāon in A.H. 728 recording the acknowledgement of Muḥammad's suzerainty by Ghiyāsu-d-din Bahādur, whom Tughluq Shāh had deposed but whom Muḥammad restored in A.H. 725 to the Government of Eastern Bengal.

The silver coins of Muḥammad Tughluq are scarcer than the gold. The silver *tunkah* of type I and the *'adli*s of types II and III must have been circulating concurrently during the first three years of the reign. After A.H. 727, as will be shown later, both *tankah* and *'adli* were replaced by billon *tankahs* though we get rare examples of the silver *tankah* from the Dehli and Dārū-l-Islām Mints dated A.H. 732 and 734 respectively, while in Bengal silver *tankahs* of type I continued to be struck till A.H. 733 at the mints of Lakhnauti, Satgāon, and Sunārgāon. But from now onwards there is a very marked absence of silver coinage in the Dehli currency, except during the reigns of Muḥammad IV and Mubārak II, until we come to the Sūri period. Silver, however, remained the principal feature of the currency of independent Bengal, where the metal was obtainable locally or within easy reach. The honouring of the token coinage of A.H. 730 to 732 must have made a large call on the silver in the State Treasury, and Timūr completed the depletion of the financial resources of the Dehli Sultanate which the anarchy following Firūz's death must have helped largely to dissipate. But apart from Bengal the sources of silver supply in India were scanty. The riches of Southern India were exhausted or at any rate closed to the Dehli Sultāns. The extension therefore of the use of billon, which Muḥammad was the first to introduce for the higher-value coins, in a more and more debased form became almost inevitable. When Sher Shāh combined Bengal with Dehli he was able with the resources at his command to restore the silver coinage to its early position.

The weight (30.5 grains) and legend of No. 506 proclaim it to be South Indian—probably from Ma'bar. This weight was still used for silver coins struck by the French and English East India Companies in the eighteenth century for Pondicherry and the Malabar coast.

No. 505 b was struck by Nāṣiru-d-din Ibrāhīm whom Tughluq Shāh had confirmed in the Government of Lakhnauti—Western Bengal—(cf. No. 442 a), but it acknowledges Muḥammad's suzerainty. This ruler died in A.H. 726 and from A.H. 727 we get Muḥammad's own coins issuing from Lakhnauti. Similarly after Ghiyāsu-d-din Bahādur's defeat and death in or about A.H. 728 we get coins in Muḥammad's sole name issuing from mints in Eastern Bengal.

Muhammad commenced his reign with a single billon type (No. 522). **MUHAM-**
 This was of the usual 32 *ratis* weight and repeated the **MAD III** المجاهد بسبيل الله
 of the first issue of gold and silver *tankahs* (No. 476 A). Four specimens
 have been assayed (App. B) and give a return of 13.175 grains of
 silver per coin. Thus this issue corresponded with the higher value
 billons of 'Alāu-d-dīn Muhammad and Tughluq Shāh, which, it has been
 suggested, took the place of the small silver *māshas* or twelfths of a
tankah of 8 *ratis* (14.4 grains) of earlier Sultāns.

There is no mention of this denomination—a 4-jītal piece or *chaugānī*—
 in the list of coins of this period recorded in the contemporary Masāliku-
 l-abshār of Shihābu-d-dīn from information received from Sheikh Mubā-
 rak¹, but the evidence of the assay, coinciding as it does with the series

¹ The *Masāliku-l-abshār* was written by Shihābu-d-dīn Abū'l 'Abbās Ahmad, a native
 of Damascus who died in A.H. 749. His father, Qāzi Muḥt'u-d-dīn, filled at Damascus the
 office of Secretary for confidential dispatches and was eventually sent to Egypt in the
 same capacity. At that time Shihābu-d-dīn assisted his father as reader of the dispatches
 to Malik Nāṣir, Mamlūk of Egypt. While in this appointment Shihābu-d-dīn, as he says,
 had occasion daily to see and question ambassadors and other foreigners, and among them
 he met one Sheikh Mubārak bin Mahmūd Anbatī from whom he received the account he
 gives of the Indian currency. Shihābu-d-dīn incurred the displeasure of Malik Nāṣir in
 A.H. 788 and retired to Damascus (*Notices et extraits de Manuscrits de la bibliothèque du Roi*,
 vol. xiii, p. 151, by Quatremère).

It is clear, therefore, that Sheikh Mubārak's knowledge of Indian coins was acquired
 prior to Hijrī 788, and his account refers rather to the first half of Muhammad's reign
 than to the latter portion, as Thomas thought (*Cron.*, p. 218). Indeed, when we compare
 his list of current coins with the known coins the probability suggests itself that Sheikh
 Mubārak was speaking of the period prior to A.H. 780. It is to be noted that he makes no
 mention of a half *tankah* though the forced currency includes pieces of that denomination
 from the Daulatābād mint certainly and probably from the Dehli mint also. The infer-
 ence is that he was not in India while the token currency of A.H. 780-782 was in force.

Two important passages in the *Masāliku-l-abshār* may here be reproduced as translated
 by M. Quatremère :

1. Not. et Ext. xiii. 194 : '800 *loutmāns* dont chacun vaut 10,000 *dirhams* courants
 et le *dirham* 6 *dirhams* : en sorte que cette somme se montait à 8 millions de *dirhams*
 courants ou 48 millions de *dirhams*.'

2. Not. et Ext. xiii. 211 : 'Le *tankah* d'or appelé dans ce pays *tankah* rouge équivaut
 à trois *mithkals* ; et le *tankah* d'argent comprend huit *dirhams* *hashigānī*. Le *dirham*
hashigānī a le même poids que le *dirham* d'argent qui a cours en Égypte* et en Syrie.
 La valeur de l'une et l'autre pièce est la même et ne diffère presque en rien. Le
dirham *hashigānī* répond à quatre *dirhams* *sultānī*, autrement nommé *dagānī*. Le *dirham*
sultānī vaut le tiers d'un *dirham* *shashigānī*, qui est une troisième espèce de monnaie
 d'argent qui a cours dans l'Inde, et qui équivaut aux trois quarts du *dirham* *hashigānī*.
 Une pièce qui est la moitié du *dirham* *sultānī* se nomme *yagānī* et vaut un *āfilal*.
 Un autre *dirham* appelé *dūzdehigānī* (pièce de douze) a cours pour un *hashigānī* et demi.
 Une autre pièce appelée *shānzadehigānī* correspond à deux *dirhams*. Ainsi les monnaies
 d'argent, en usage dans l'Inde, sont au nombre de six, savoir : le *dirham* *shānzadehigānī*,
 le *dūzdehigānī*, le *hashigānī*, le *shashigānī*, le *sultānī* et le *yagānī*. La moindre de ces
 pièces est le *dirham* *sultānī*. Ces trois espèces de *dirhams* ont cours dans le commerce
 et sont reçues universellement. Mais aucune n'est d'un usage plus générale que le
dirham *sultānī*, qui équivaut à un quart de *dirham*, monnaie d'Égypte et de Syrie.
 Le *dirham* *sultānī* vaut huit *fels* (فلوس—oboles), le *āfilal* quatre *fels*, et le *dirham* *hashigānī*,
 qui correspond parfaitement au *dirham* d'argent d'Égypte et de Syrie, vaut
 trente deux *fels*.'

* The Egyptian *dirhams* of this time in the British Museum range from 35 to 63 grains
 and are of impure silver. The weight of the Arab *dirham* is 44.5 grains.

MUHAM- of 4-*jītal* pieces which, beginning as pure silver in the reigns of Nāṣiru-
MAD III d-dīn Maḥmūd, Balban, Kaiqubād, and Firūz II, were replaced by billon pieces of approximately the same silver content by 'Alāu-d-dīn and continued by his successors, is so strong that it must override an account that was after all second hand. There are other errors and inconsistencies also in Shihābu-d-dīn's account of Muḥammad's coinage which indicate that it cannot be regarded as incontrovertible. There is, of course, always the handicap—inseparable from a billon currency—of want of knowledge of the extent to which resort was made to debasement, but at this period the coins were still reasonably representative of the value they professed. Later in the reign they tell a different story. If Muḥammad's coins of his first issue are to be regarded as *shashgānīs* or 6-*jītal* pieces, a denomination mentioned as current by Sheikh Mubārak, though claimed by Firūz Shāh's biographer to have been originated by that Sultān—they should have a silver content approximating 21.6 grains. No *shashgānī* appears among the coins of the forced currency.

In A.H. 726 a second issue of billon followed (No. 529) and ran concurrently with the first issue for several years. Seven of these yielded on assay (App. B) an average silver content of 22.71 grains per coin. We may reasonably conjecture that these coins, allowing for not excessive debasement, represented double the value of the earlier ones, which would make them sixths of a *tankaḥ* or 8-*jītal* (= 16 *ratīs*) pieces. These pieces were commonly known as *hashtgānīs*. We know of their popularity from the *Masāliku-l-abṣār* and concrete evidence of their existence is afforded by Muḥammad's forced currency (No. 612) which provided a coin of this designation. They are still found in large numbers.

The year A.H. 727 was a notable one from the numismatic point of view. In it Muḥammad introduced the 80-*ratī* billon (No. 509, Wh. VI) the first coin of mixed metal of that weight. This coin marks a new era in the currency and the question arises, what were its denomination and value? To the solution of both these points a passage in the *Ṭabaqāt-i-Akbarī* affords a clue. In that passage (cf. *Bibliotheca Indica*, translated by B. De, A.S.B., p. 216) Nizāmu-d-dīn Aḥmad says that the *tankaḥs* which Muḥammad was in the habit of lavishing so profusely were not the pure silver *tankaḥs* that we associate with the early years of the reign, but '*tankaḥs* of silver with a little alloy of copper and were [are] each of them equal to eight black *tankaḥs* (*tankaḥ-i-siyāḥ*)'.

This 'black *tankaḥ*' has puzzled numismatists, including Thomas himself, who at first thought the reference was to the *tankaḥs* current in Bengal. Ferishta, in incorporating this statement of Nizāmu-d-dīn in his own work, added to the confusion by altering the words 'eight black *tankaḥs*' into '16 pice'. On the strength of this emendation

Briggs, Ferishta's translator, asserted that the silver *tankah* of Muḥammad Tughluq was worth only about fourpence. Now Briggs clearly misunderstood Ferishta, taking the coin mentioned as the 'pice', (or quarter anna) of his own day, but it is not so clear that Ferishta misunderstood or misquoted Niẓāmu-d-dīn. It seems permissible to suggest that the latter when talking about 'black *tankahs*' referred to the copper *tankah* of his own time for which 'black *tankah*' would be an appropriate name. It would be natural for him to refer to a current coin to make the equation clearer to his readers. If so, Ferishta was not far out in substituting '16 pice' for '8 black *tankahs*' for the *tankah* then was equivalent to two *dāms* and we have Abū-l-Faẓl's authority for saying that the *dām* used formerly to be called '*paisa*'. The *tankah* of Niẓāmu-d-dīn's time was a twentieth of a rupee, the Mughal equivalent of a Sultānī *tankah*. Thus eight *tankahs* would represent a value in silver not very far removed from the *tankahs* of the issue of A.H. 727.

If Niẓāmu-d-dīn is correct in saying that the coins Muḥammad was distributing so freely were alloyed pieces and known as *tankahs*, it is difficult to escape from the conclusion that it was to coins of the A.H. 727 series (No. 509, Wh. VI)—which are the only ones that would answer the description—that he was referring in the passage above quoted. It is significant that they bear the same legends as the gold *ḍīnārs* and *tankahs* which were introduced along with them and that there was no provision in that issue, which was current without alteration for 15 years, for *tankahs* of pure silver.

The only silver *tankahs* known to have been struck after the appearance of the A.H. 727 coinage were minted at Dehlī in A.H. 732 and at Dārū-l-Islām in A.H. 734, if we except the Bengal mints, and these were merely spasmodic and quasi-provincial issues. By this time Dehlī had lost its imperial status temporarily and there can be no doubt that the A.H. 727 series, issued when Muḥammad was in the Dakhan, represented the regular currency of the Sultanate. We may leave out of consideration in this respect the silver *tankahs* struck at the Bengal mints. That province, which in matters numismatic was apt to be a law unto itself, continued to be conservative in its currency, and new-fangled coins like the *ḍīnār* and Muḥammad's '*adlt*' were not in general use. Similarly the silver '*adlt*' also disappeared, more completely even than the silver *tankah*, no specimens being recorded of a date later than A.H. 727, and it was perhaps more than a coincidence that the new alloyed coin perpetuated its weight.

It therefore seems reasonable to conclude that Muḥammad's 80-ratt billon was deliberately meant to replace existing silver issues and itself became known as a *tankah*. When it acquired this name and whether

MUHAM-
MAD III

MUHAMMAD III this was its official designation we have no means of knowing, but we do know that the term *tankah* was applied to a large series of coins in Muhammad's forced currency only 3 years later from A.H. 730 to 732, and as the A.H. 727 issue seems to have been temporarily suspended during that period it is not improbable that the 80-*raṭṭ* billon was the official *tankah*. We have evidence of the tenacity of this designation in the much more debased *tankah* of Sikandar Lodi. It further seems possible that it was to this coin that Sheikh Mubarak was referring when he spoke of a *dirham shānzdehgānt* (16 *jital*s) as one of the current 'monnaies d'argent' of Muhammad. An assay of six of these 'Muhammadi' *tankahs* (App. B) returned an average of 44.78 grains of silver per coin. In a 16-*jital* piece we would expect a maximum of 57.6 grains of silver, but consideration must be given to the tendency to increased debasement that now makes its appearance.

Thus was taken the first step in the degradation of the *tankah* of Īltutmish. From being a coin of almost pure silver it passed, as we shall see, through various stages of debasement until it became, two centuries later under Akbar, a coin of pure copper.

Along with the billon *tankah* were issued two smaller billons of the traditional 32-*raṭṭ* weight, Nos. 536 and 538. These correspond with and were obviously meant to carry on the two earlier issues of Muhammad. The solitary specimen assayed of No. 536 gave a silver content of 21.15 grains, while nine coins of the other type (No. 538) returned an average of 13.11 grains of silver per coin. Thus they would be respectively *hashtgānts* and *chaugānts* sixths and twelfths of the old *tankah*. But in relation to the new billon *tankah* they were, taking their intrinsic values, halves and quarters. The token currency it will be seen, takes account of both halves and quarters.

After the collapse of the forced currency in A.H. 732 another issue of 32-*raṭṭ* billons made its appearance (No. 552). It continued side by side with No. 538 till A.H. 739. Five specimens were first assayed, but the result was not satisfactory as two of the coins were obviously contemporary fabrications, having no trace of silver, while a third—with only 7.05 grains of silver—was not above suspicion. Through the courtesy of the Chief Assayer of the Royal Mint four other specimens have been assayed. These four coins show a return of 13.72 grains of silver per coin and there need be no hesitation in classing them as of the same denomination as No. 538, i.e. quarters of the new *tankah*.

There are three other billon types in this class, two of which (Nos. 521 A and 561), though of later date, are clearly connected with the A.H. 727 issue as evidenced by the expression *الراجى رحمت الله* in their legends.

No. 521 A calls itself a *dirham*, and is of the unusual weight

of 60.5 grains. Rodgers and Whittell list it as copper, and the latter places it in the forced currency (Wh. XLI), but the marked similarity of its inscription with that of the billon *tankah* (No. 509) makes it almost certain that it was an item of the regular coinage of the billon series. The coin being unique, assay is not feasible, but as a *dirham* some silver content is probable. The forced currency definitely provided other *dirhams* (one, indeed, of the same date and mint) and these were of a different weight. How No. 521 A fitted into the currency it is difficult to say. It can hardly be the *dirham hashtgānī* which Sheikh Mubārak spoke of as having the same weight as the *dirham* current in Egypt, though the weight would tally. It seems to be an odd piece and may represent the 'legal *dirham*' of the time. The fact that it bears some resemblance in legend to the coins entitled legal *dirhams* in the forced currency supports this view.

No. 561 is of the usual 32-*raṭī* weight, and in script resembles the billon *tankah* of A.H. 735 (No. 517). Its obverse is similar to that of No. 538 of the A.H. 727 series, and its reverse recalls the *dūgānīs* of Balban and Muḥammad Khaljī, while the assay of a solitary specimen shows approximately the same silver content.

The third variety (No. 563), which is also of the 32-*raṭī* weight, has an obverse which connects it with the unassigned gold *tankah* No. 485 A. It may have been current in Ma'bar.

The Masāliku-l-abṣār list of Muḥammad's silver (*sic*) coins includes a *jīṭal yagānī*, or one *jīṭal* piece, but no such coin can be identified either now or in any reign since that of Firūz Khaljī. The *jīṭal* seems to have passed into a money of account represented only by 4 *fulūs* and this may be the meaning of Sheikh Mubārak's somewhat unexpected statement at the conclusion of his summary of current coins 'la moindre de ces pièces est le *dirham sultānī*' i.e. the 2-*jīṭal* piece.

Some time in A.H. 730 Muḥammad started his forced currency, which subsisted till A.H. 732. It will have been observed that we get coins of the regular billon series dated both A.H. 730 and 732 but none of A.H. 731,¹ the inference being that during the experiment of the forced currency the issue of the ordinary coins remained, as it naturally would, in abeyance.

Compared with the bewildering variety of Muḥammad's billon issues, his copper coinage was surprisingly scanty. *Fulūs* of the normal 40-*raṭī* weight (No. 565) are rare. When in A.H. 727 Muḥammad brought out his debased *tankah* the copper unit was reduced from the 40- to a 32-*raṭī* (57.6 grains) standard (No. 566)—at any rate in A.H. 730, assuming that the similar but undated No. 568, which is common, only

¹ Major Whittell's record of a coin of A.H. 731 of type VI is a mistake. The coin referred to is of 732.

MUHAM- did duty after A.H. 732. How the 32-*ratī* copper pieces exchanged
MAD III with the billon there is no definite information, for *Sheikh* Mubārak's 4 *fulūs* to the *jītal* clearly had reference to the early currency with its *fulūs* of 40 *ratīs*. In those days, with a ratio of copper to silver as 80 : 1, as suggested in App. A., the *jītal* would be equivalent to 288 grains of copper (4 *fulūs* of 72 grains). But with a billon *tankah* devalued to the extent of nearly 75 per cent. the *jītal*, its forty-eighth part, would not be worth much more than one of the old *fulūs*. We know that eventually under Akbar the *jītal* had dwindled in value to one twenty-fifth of a *dām*, equal to about 13 grains of copper. Did the copper coin of 32 *ratīs* (57.6 grains) of Muḥammad mark an intermediary stage in the downfall of the *jītal* in the same way that his billon *tankah* was a forerunner of the copper piece of Akbar? In other words was the new standard coin the official *jītal*?

Thomas has included in the forced token currency two types (Nos. 566-8 and 569) which are now regarded as belonging to the regular series. Apart from the paucity of the regular copper issues if these types are excluded, the fact that the issue of No. 566 was suspended during the period of the tokens—there being no coin of A.H. 731 known—helps us to the conclusion now generally accepted.

Class C. Copper or brass token issues

The issue of this forced currency was initiated in the year A.H. 730. Muḥammad had begun to tamper with the coinage in A.H. 727 and his success on that occasion seems to have emboldened him to a still more drastic interference. But disillusionment soon came and the scheme was abandoned sometime in the year A.H. 732.

Thomas (p. 274), referring to the coin No. 574 of this catalogue, says he 'prefers to look upon these pieces as provided to supply the places of the modified '*adli* of 140 grains with which they are identical in weight', and proceeds to assign values to other token types on the same basis. An examination of the coins, however, makes it most improbable that the weight of the token bore anything but a very indirect relation to its value, e.g. the 50-*jītal tankah* (*panjāhgānī*) of Daulatābād (No. 587) weighs 80 *ratīs*, its half (No. 599) 60 *ratīs*. The 2-*jītal* token is half the weight of the 8-*jītal* token. As regards coin No. 574 it would be unsafe, and seems unnecessary, to go beyond the inscription, which distinctly says that the piece is the equivalent of a *tankah*, and that *tankah* must be the debased coin of Wh. VI (No. 509) which was the *tankah* current when the tokens were issued. It could hardly represent the '*adli* which was not coined after A.H. 727

Of special interest in this series are the *tankah-i-panjāhgānī*, i.e. **MUHAM-**
50-jītal tankahs, of A.H. 731 and 732 from the Daulatābād (Deogir) and **MAD III**
 of A.H. 731 from the Dhār mints. In the article in *J.A.S.B.*, N. S.
 xxxviii, reprinted as App. A, reasons are given for adopting the con-
 clusion that the Dehli *tankah* of this time consisted of 48 *jītals*. The
 above coins show that in the Dakhan the current *tankah* was divided
 into 50 *jītals*, but we think that they tend to support rather than con-
 tradict the view held about the Dehli *tankah*. If the *tankah* through-
 out the empire had comprised 50 *jītals*, it is difficult to see why it
 should have been thought necessary to specify this value on the coins
 of Daulatābād and Dhār and not on others of the same type in Dehli
 and elsewhere. The *panjāhgānī* piece would seem to mark a special as
 opposed to a general method of subdivision. It is to be noted too that
 the Daulatābād and Dhār *tankahs* of A.H. 730 were of the Dehli type
 and it may conceivably have been in order to avoid any confusion that
 might result that the distinctive type of A.H. 731 and 732 was issued.
 There is, however, a passage in the *Tārīkh-i-Firūz Shāhī* (E.D., iii, p. 366),
 to which Professor Hodivālā has called attention, which indicates that
 a 50-*jītal tankah* was also current in Dehli. But the passage refers to
 the subsequent reign of Firūz Shāh and we may leave its consideration
 till the coinage of Firūz comes under review.

No. 599 is, as stated on the coin, a half piece of the Daulatābād mint
 and must therefore be taken as representing 25 *jītals*. We may suspect
 that Nos. 594 and 597, of much the same weight, were the Dehli *niṣṭ*
 (half pieces) of 24 *jītals*. No. 594, it will be seen, repeats the obverse
 legend of the token *tankah*, No. 574. Pieces of 24 *jītals* are mentioned
 by Shams-i-Sirāj Afif as current in the reign of Firūz Tughluq.

Next in order comes the so-styled *dirham* (No. 600). Apparently
 all the fractions of the *tankah* down to the *dūgānī* were known as
dirhams (Sheikh Mubārak). But the addition of الشرعى (legal) on No.
 600 indicates that this coin represented the legal *dirham*, which must
 have been in constant use in connexion with dower, and which we find
 in Mughal times as a silver piece weighing 44·5 grains. Its resemblance
 in legend to No. 521 A has already been noted.

In No. 609 we get the Dehli quarter-*tankah*, Sheikh Mubārak's
dirham dūāzdehgānī or 12-*jītal* piece and in No. 611 A the quarter piece
 of Daulatābād. Nos. 612 and 616, the *hushīgānī* and *dūgānī*, are plain
 sailing, but there is no token which is called or can be identified with a
shashīgānī or 6-*jītal* piece; an indication that, although this coin finds
 a place in Sheikh Mubārak's list, no coin of that denomination was
 current in A.H. 730. Nor is there any one-*jītal* token, if the coin listed
 by Thomas as No. 207 (No. 647 A) is to be excluded, as suggested *post*
 p. 170.

**MUḤAM-
MAD III**

Class D

IN A.H. 741 Muḥammad 'was tormented by doubts regarding the legality of his sovereignty, which had never been recognized by a Caliph or sovereign pontiff of Islām, but the difficulty was to find the Caliph . . . The 'Abbāsid Caliphs of Baghdād . . . had been finally extinguished by the Mughals in A.D. 1258. After diligent inquiries from travellers and foreigners Muḥammad learnt of the existence in Egypt of a phantom, who styled himself Al-Mustakfi bi'llāh and was descended from the brother of the last 'Abbāsid Caliph in Baghdād. He sent him a humble petition, seeking his recognition, and at once substituted his name for his own on the coins of the empire'. So writes Sir W. Haig in *J.R.A.S.*, July 1922, p. 351, and coin No. 491 A is confirmatory evidence. Coins of this type must have been struck in large numbers, for they are—if we except the very rare examples of the Daulatābād mint—among the best known of Muḥammad's gold issues. As it happened, however, Al-Mustakfi had died in A.H. 740. None the less coins in his name were struck up to A.H. 744 in Dehli and for a year longer in Daulatābād. In A.H. 744 an envoy from the reigning Khalifa Al-Ḥākim II arrived in Dehli, with a patent conferring on Muḥammad the title of Nāṣir Amir al-Mūminīn.

From this time the name of Al-Ḥākim is substituted on the coins, of which there are two main types (Nos. 492 and 492 A-E). The latter of these comprises five varieties, all with the same legend, and differing only in ornamentation or arrangement. On some the inscriptions are enclosed in a six-foil, some in a cinquefoil or quatrefoil, while others have plain areas. The other type is uniform in giving simply the name of the Khalifa enclosed in quatrefoils.

These coins in the name of Al-Ḥākim present certain problems. They are apparently undated and we have to rely on other means of ascertaining their date of issue. Coins of type Wh. XXXI (No. 492)—a type which is also known in billon (Nos. 629 and 637)—have been observed with the numerals ۴, ۵, ۶, ۷, and ۸ on the reverse. It can hardly be that these are mere mintmarks, and it may be reasonably conjectured that they signify dates. But the question is what dates? In 1924 Mr. H. R. Nevill, I.C.S. suggested¹ that coins of type XXXI (No. 492) were issues of Firūz Tuḡhluq, and that the numerals represented the unit figures of the commencing years of that Sultān's reign, thus filling up the gap before A.H. 759, which is the earliest date observed on any of Firūz's coins that bear his name. This, however, postulates the existence of coins of type XXXI bearing the numerals ۴ and ۵, none of which have yet been found.

¹ In a private letter to the author.

An alternative view suggests itself that type XXXI was Muḥammad's first issue when he heard in A.H. 744 that Al-Ḥākim and not Al-Mustakfi was the reigning Khalifa, and that the numerals represent the units of the years A.H. 744 to 748. This contention is strongly supported by the fact that the coins are identical in form, with one slight difference in the reverse arrangement, with those billon and copper issues, which we know from dated specimens were actually issued by Muḥammad (No. 624). In this way the mysterious gap between A.H. 744 (Dehli) and 748 can be satisfactorily explained both in gold and billon. In billon the dated coins of this type carry us on from A.H. 748 to 752, the last year of Muḥammad, but in gold there is no coin that can be assigned to a date later than A.H. 748, and we are left without any dated gold till A.H. 759, the seventh year of Firūz Tughluq. It is suggested that coins Nos. 492 A–E and Firūz's first undated issue (No. 649) fill this interval. It is conceivable that Muḥammad, who was hard pressed in Western India, issued no gold during the last three years and one month of his reign (he died in Muḥarram A.H. 752) but it is difficult to believe that the coins of the early years of Firūz, whose later gold issues were unstinted, were confined to the single rare type of No. 649. The type therefore represented by coins Nos. 492 A–E, which has hitherto been attributed to Muḥammad, may well have been an issue of his successor Firūz. The expression في زمان الامام used on those coins is found on the latter king's first issue in his own name (No. 649) in conjunction too with the Khalifa Al-Ḥākim and on his second, third, and fourth issues also, but with the modification of زمان for زمان. The script, moreover, appears to have a closer resemblance to that on Firūz's coins than to the distinctive script on No. 492. The fact that the coins do not bear the name of the Sultān presents no difficulty. Firūz would merely be carrying on Muḥammad's subordination of his own individuality to the Khalifa, a prudent course in view of his own somewhat doubtful right to the throne.

There was no issue of silver, the only silver piece known (No. 505 A) having clearly been struck from the gold die.

The Al-Mustakfi billons have been found of three weights—80 *ratīs*, presumably *tankuhs* in direct succession to the A.H. 727 series (Wh. VI)—40 *ratīs* (Nos. 621–2) and 32 *ratīs* (No. 622 A). These await assay. No. 620 A of the Daulatābād mint is a baffling coin if the marginal reading of النصفي is correct, which is not free from doubt. It is against the evidence of Muḥammad's earlier issues and the later *tankah* of the Lodis that a piece of this weight should represent a half *tankah*. No other specimen with a legible margin is, unfortunately, available.

In copper the 32-*ratī fals* (No. 623) is maintained with a jingling inscription characteristic of the time.

In the Al-Ḥākim billon series there is again the *tankah* of 80 *ratīs*,

**MUHAM-
MAD III**

MUHAM- but assay (App. B) shows that Muḥammad had not been able to resist
MAAD III the temptation to debase further an easily debasable coin. The only other denomination is a 32-*ratī* piece, also much alloyed. The rare *tunkah* (No. 636 B), with its phrases *الامام امير المؤمنين* and *خلدت خلافتك* reminiscent of the inscriptions on the coins of Firūz Tughluq, should probably, like the gold pieces Nos. 492 A-E referred to above, be assigned to that Sultān, whose earliest billon in his own name is dated A.H. 759.

The copper issues are confined to 32-*ratī fulūs*. They are dated and continued to be struck annually till the end of the reign. Specimens are also known of A.H. 757 and 759. These must have been struck by Firūz Tughluq and go to support the view urged above that the latter carried on Muḥammad's *Khalifa* coinage up to A.H. 759 when his own name first appears on the coins.

Two coins (Nos. 647 and 647 A) of unusual interest have been assigned to this reign though not bearing Muḥammad's name and not dated. Both are denominated *jītals*. One (No. 647 A)—which was included by Thomas in his list of forced tokens (*Chron.*, p. 252, No. 207)—calls itself a *jītal yagānī* and on the reverse in conjunction with *yagānī* is a word which Thomas read as *اماني* and translated as 'the equivalent of'. This coin which is of copper and weighs 74 grains is now in the Kaiser Friedrich Museum in Berlin. The other coin (No. 647) weighs 50 grains and is entitled a *jītal dūgānī*. The *dūgānī* here too is associated with another word similar to that on No. 647 A. But it is clear that the word is not *اماني* but *امامي*. This affords a clue to its approximate date, and the result is confirmed by the lettering which bears a striking resemblance to that of the *Khalifa* Al-Mustakfi issues Nos. 621 and 623. The open *ك* in particular is quite distinctive of this period, and the use of the word *امامي* is appropriate enough on a *Khalifa* coin. We may therefore with some confidence assign No. 647 to Muḥammad's first *Khalifa* period, A.H. 741 to 744. Moreover an examination of 647 A leads to the conclusion that the correct reading of the reverse is *yagānī imānī*—not *amānī*, for which, incidentally, the translation of 'equivalent of' is somewhat strained. It is therefore tempting to place the coin in the same category as No. 647. It cannot have been a forced token as it is three times as heavy as the token *dūgānī*. Its weight would indeed allow of its inclusion in Muḥammad's A.H. 727 series after the introduction of the billon *tunkah* when the value of the *jītal* must have approached that of the earlier copper *fals* of 40 *ratīs* (72 grains). But it would be unsafe, notwithstanding, in our opinion, to assign this coin either to the Al-Mustakfi period or indeed to the reign of Muḥammad Tughluq at all, for in style and appearance it belongs to an earlier period. A reference to the coin of Muḥammad Hasan Qarlugh (figured

in *I.M.C.*, ii, Pl. VII. 80), which it resembles closely, gives an indication of its date and perhaps local origin. **MUHAM-**
MAD III

Firūz Tughluq was leading an expedition in Sind when Muhammad, his cousin, died without any obvious heir. He was accepted at once by the army as the rightful successor to the Dehli throne. But in the meanwhile, and apparently in ignorance of the proceedings in Sind, Khwāja-i-Jahān, who was in charge of Dehli, set up Maḥmūd, a suppositious son of Muhammad. As soon as Firūz returned, Khwāja-i-Jahān withdrew his opposition and the young pretender was set aside. In the interval quite a number of gold *tankahs* must have been struck in his name, for they are not as uncommon as one would expect. A single silver *tankah* of the non-debased standard and a single 32-ratt billon are also known of this prince. The latter follows the type associated with Balban and Muhammad Khalji but with an Arabic marginal legend as introduced by Khusrū, No 426. This reversion to the old currency system, however, was destined to be as shortlived as the Sultān himself.

FIRUZ III

No.	Mint Date	Obverse	Reverse
<p style="text-align: center;">FIRUZ SHĀH III TUGHLUQ</p> <p style="text-align: center;">A.R. 752-790. A.D. 1351-1388.</p> <p style="text-align: center;">GOLD</p> <p style="text-align: center;">A. With the name of the <u>Khalifa</u> Abū-l-'Abbās Aḥmad Al-Hākim II.</p>			
649*	—	<p>ضربت هذه السكة في زمان الامام ابو العباس احمد خلدت خلافته</p> <p>Wt. 169.2. S. .8.</p>	<p>وائى بتائيد يزداني فيروز شاه سلطان</p> <p>The tail of the 'ye' cuts through the tops of the two ls and ط</p> <p style="text-align: right;">Pl. VIII.</p>
650	Dehlī 765	<p>In circle</p> <p>في زمن الامام امير المؤمنين ابو الفتح خلدت خلافته</p> <p><i>Margin</i></p> <p>ضرب هذه السكة بخصرت دهلي سنة خمس و ستين و سبعمائة</p> <p>Wt. 168.7. S. .9.</p> <p><i>Dates recorded:</i> ? 757 (Th.) 765.</p>	<p>السلطان الاعظم سيف امير المؤمنين ابو المظفر فيروز شاه السلطان خلدت مملكته</p>

* Note to 649. B.M. has a fine specimen of this coin with the legends enclosed in an eight-foil.

No.	Mint Date	Obverse	Reverse
<i>N</i> 650 A*	Dehli 761	As on 650, but arranged الامام في زمن ابو امير المؤمنين الفتح خلافته خلدت and in margin احدى وستين Wt. 166. S. 1. Ref. B. M. 346. Dates observed : 759 (I.M.C.), 761 (B.M.).	As on 650. FIRUZ III
650 B	—	ضربت هذه السكه في زمن الامام امير المؤمنين ابى الفتح المعتمد بالله خلدت خلافته Wt. 169. S. -85. Ref. I.M.C., 410.	As on 650, but خلدت and مملكته change places.

* Note to 650 A. L.M.C. gives a coin of 754 but this is possibly a misreading of أربع for تسع. This type was probably prior in issue to No. 650. It is difficult to accept the date 757 for the latter.

No.	Mint Date	Obverse	Reverse
PRŪḪ III			
A/ 651*	Dehli ?	C. With the name of the Khalifa Abū 'Abdullah Al-Mutawakkil I. In circle فی زمن الامام امیر المومنین ابی عبد الله خلدت خلافتہ Margin ضربت هذه السكة بحضرت دهلي سنة . . . Wt. 170.4. S. -9.	As on 650, but السلطاني <

* Note to 651. In the coin of 773 ابی is in the second line of the obverse and خلدت in the third line. On the reverse السلطاني.

* Note to 652 A. Two similar *tanakahs*, but with incomplete dates, were obtained by Mr. R. B. Whitehead in 1916 but were unfortunately lost in the post.

No.	Mint Date	Obverse	Reverse
R 652 B	787	In circle as on 652. Wt. 163. S. .9. <i>Ref.</i> A. N. S.	In double circle as on 652, FIRUZ III but ۷۸۷
B 653	Dehli 759	BILLON الخليفة امير المومنين خلدت چلافت The ت of خلدت cuts the ل Wt. 133. S. .75.	فيروز شاه سلطاني ضربت بحضرت دملج ۷۵۱ Pl. VIII.
654	"	" but ۷۵۱ to left of خلدت Wt. 139.5. S. .7.	" but without date.
655	" 762	" but ۷۱۲ Wt. 137.5. S. .75.	"
656	" 764	" but ۷۱۳ Wt. 137.5. S. .75.	"
657- 658	" 765	" but ۷۱۵ and the ت of خلدت is over the د Wt. 137; 134.5. S. .75.	" but سلطانج the ن cutting across the ا Pl. VIII.

FIRUZ III	No.	Mint Date	Obverse	Reverse
	B			
	659	Dehli 766	As on 657, but vii Wt. 137; 134.5. S. .75.	As on 657.
	660*	" 767	but " vii S. .7.	"
	661*	" 768	but " vii	"
	662	" 769	but " vii Wt. 137.6. S. .75.	but وزیر سلطان
	663	" 771	but " vii Wt. 137.6. S. .75.	"
	664	" 772	but " vii Wt. 137.6. S. .75.	"
	665	" 773	but " vii Wt. 137.6. S. .75.	"

* Note to 660. H. R. N. had a coin of this year with a reverse like 654.

* Note to 661. H. R. N. had a specimen with a reverse like 662.

No.	Mint Date	Obverse	Reverse
B 666	Dehli 774	As on 657, but vvp Wt. 137.6. S. .75.	As on 662. FIRUZ III
667	" 775	but " vva Wt. 137.6. S. .75.	"
668	" 776	but " vvv Wt. 137.6. S. .75.	"
669*	" 777	but " vvv Wt. 136.7. S. .75.	"
670- 671	" 778	but " vva Wt. 136.7. S. .75.	"
672- 673	" 779	but " vvv Wt. 136.7. S. .75.	"
674- 675	" 780	but " va. Wt. 137.1. S. .75.	"

* Note to 669. H. R. N. has a coin of this date with a reverse like No. 654.

	No.	Mint Date	Obverse	Reverse
FIRUZ III	B 676	Dehli 781	As on 657, but var Wt. 137.1. S. .75.	As on 662.
	677- 678	" 782	but " var Wt. 141. S. .75.	"
	679	" 783	but " var Wt. 141. S. .75.	"
	680*	" 784	الحليم ابو عبد الله خلعت خلافت var Wt. 141. S. .75.	"
	681	" 785	but " var Wt. 140. S. .75.	" PL VIII.
	682	" 786	but " var Wt. 140. S. .75.	"
	683	" 787	but " var Wt. 140. S. .75.	"

* Note to 680. W. E. M. C. had this with a reverse like No. 654.

No.	Mint Date	Obverse	Reverse
B 684	Dehli 788	As on 680, but VAA Wt. 140. S. .75.	As on 662. PIRŪZ III
685	" 789	but " VAI Wt. 140. S. .75.	"
686*	" 815	As on 654, but AIO Wt. 142.5. S. .7.	"
687*- 688	" 816	but " AIV Wt. 145.3; 143. S. .7.	" PI. VIII.
689*	" 867	As on 657, but AIV Wt. 140.5. S. .7.	As on 657.

Every year from A.H. 759 to 790 is known. Dates not recorded above are 760 (B.M.), 761 (I.M.C.), 763 (B.M.), 770 (B.M.), 790 (Th.). In addition posthumous coins of similar type and legends are known of the following years:

791	814 H. R. N.	820	*828
799	815	824 Th.	*830
801 Th.	816	825	867
804	817 Th.	*827 H. R. N.	†868





* With reverses like No. 654.
† With reverse like No. 657.

* Note to 686, 687. Struck by Daulat Khan Lodi.

* Note to 688. Possibly a die-sinker's error for VII. The coin bears a marked similarity to No. 660.

No.	Mint Date	Obverse	Reverse
FIROZ III B 690	Sahat-i-Sind —	الخليفة امير المؤمنين خلدت خلافته Wt. 141. S. .75.	شاه فيروز السلطاني صريت بساحت سند Pl. VIII.
690 A	" —	but in circle. " Wt. 141. Ref. H. R. N.	شاه but m.m. 31 over "
691-693	—	In circle خليفة ابو الفتح Wt. 82.5. S. .6.	In circle فيروز سلطاني The لطا cuts across نه Pl. VIII.
694*-696	—	In six-foil احمد س العبا ابو Wt. 54.7; 55.2. S. .6; .55.	In six-foil شاه فيروز سلطاني The لطا cuts across the نه
697	?	" but العبا in second line. Wt. 50. S. .5.	"
698	?	As on 694, but m.m. 98 to left of ابو Wt. 53.7. S. .55.	" Pl. VIII.

* Note to 694. B. M. has a specimen with the obverse in a double circle

No.	Mint Date	Obverse	Reverse
B 699	Dehli 760	<p>الخليفة المومنين أمير خالد خلافت</p> <p>Wt. 56.2. S. .55.</p> <p><i>Dates observed :</i> 759 (B.M.), 760, 762 (N.S., xvii, p. 166), 763 (H. R. N.), 767 (W. E. M. C.).</p>	<p>As on 658, but v|1.</p> <p>FIRUZ III</p>
700	" —	<p>As on 699.</p> <p>Wt. 51.2. S. .55.</p>	As on 699, but no date.
701	" —	<p>" but the  of خالد cuts the top of the </p> <p>Wt. 56.2. S. .55.</p>	As on 657.
702- 705	" —	<p>" but the  is above the </p> <p>Wt. 55.5. S. .55.</p>	As on 662.
706*- 708	" —	<p>In double circle</p> <p>الخليفة المومنين أمير خالد خلافت</p> <p>Wt. 54.2; 53.6. S. .6; .55.</p>	<p>In double circle</p> <p>فروز شاه سلطان خالد شاه</p> <p>FI. VIII.</p>

* Note to 706. A variety has a mm. dot above the .

No.	Mint Date	Obverse	Reverse
PLATE III B 709— 711	Dehli —	<p>الخليفة ابو عبد الله خلدت خلالت</p> <p>The و of خلدت cuts the top of the ل</p> <p>Wt. 55.5; 50.8. S. .6; .55.</p>	<p>وز شاه فيروز سلطان بت سر بصفت دهملي</p> <p>Pl. VIII.</p>
712	—	<p>In six-foil</p> <p>خليفة ابو الفتح × above خليفة</p> <p>Wt. 42. S. .55.</p>	<p>In six-foil</p> <p>سلطاني فيروز</p> <p>Pl. VIII.</p>
713*	Dehli —	<p>In circle</p> <p>شاه فيروز</p> <p>Pierced in centre and worn.</p> <p>S. .4.</p>	<p>In circle</p> <p>دهملي</p> <p>Pl. XXIII.</p>
Æ		COPPER	
713 A	Dehli Dāru-l- mulk —	<p>وز شاه فيروز سلطان</p> <p>The ن cuts across the tops of the ط</p> <p>Wt. 140.5. S. .6.</p> <p>Ref. B.M. and R. (Lāhor, p. 98. 6).</p>	<p>دار الملك دهملي</p> <p>Pl. XXI.</p>

* Note to 713. This is Th. 232, wts. 17.4 and 17.3 gra. The coin figured belongs to the A. N. S., wt. 15.5 gra.

No.	Mint Date	Obverse	Reverse
Æ 714	Dehli <i>Dārū-l- mulk</i> —	In circle شاه فیروز سلطان The ^{نے} cuts across the tops of the لٹا Wt. 68.6. S. -6.	In circle دار الملک دہلی FIRUZ III
715- 716	"	" but letters more angular. Wt. 68.7. S. -6.	"
717*- 719	"	but " ^{وز} شاه فیروز Wt. 65.2. S. -6.	"
720- 721	"	" Wt. 66.3. S. -6.	but " دار الملک (Malwā type) Pl. VIII.
722- 723	"	" but in double circle. Wt. 62.5; 63. S. -6.	" but in double circle.
723 A	"	As on 722, but شاه for شاه Wt. 62. S. -55. Ref. I.M.C., 455.	As on 722.

* Note to 717. H. R. N. records a square coin of this type. R. B. has another.

FIRŪZ III	No.	Mint Date	Obverse	Reverse
	Æ			
	724-	Dehlī	In circle سلطانے فیروز	In circle دہلی حضرت
	727	—	The $\frac{1}{2}$ cuts across the tops of لٹا	
			Wt. 56.2; 56.7. S. .55.	Pl. IX.
	728*	"	In circle فیروز سلطانے	In circle ت حضرت
	733		The $\frac{1}{2}$ cuts across the tops of لٹا	دہلی
			Wt. 34.6; 34.5; 31.5; 31.1. S. .5.	Pl. IX.
	734	"	but "وز فیروز	"
			Wt. 34. S. .4.	Pl. IX.
	735	"	but "وز شاہ فیروز	"
			Wt. 34. S. .4.	Pl. IX.
	735 A	"	As on 735.	"
			Wt. 16. S. .35.	
			Ref. W. E. M. C.	

* Note to 728. These are shown as billon in N. S., xxiv, p. 166, but an assay of three specimens in the British Museum laboratory pronounces them pure copper. As such they fit in as halves of No. 714—see p. 221. For similar weight in copper see No. 770 a.

No.	Mint Date	Obverse	Reverse
Æ 735 B	Dehli —	<p>ت طبر</p> <p>Wt. 16.8. S. .35.</p> <p><i>Ref. H. R. N.—assigned to Firūz Shāh from the style of the script.</i></p>	<p>دملى</p> <p>FIRŪZ III</p>
<p>POSTHUMOUS COINS</p> <p>(a) <i>Struck by Khizr Khān.</i></p>			
736	Dehli <i>Dārū-i-mulk</i> 817	<p>As on 717.</p> <p>Wt. 67.9. S. .6.</p>	<p>As on 714, but below AIV</p>
737	" 823	<p>"</p> <p>Wt. 67.6. S. .6.</p>	<p>but "</p> <p>AIV</p>
<p>(b) <i>Struck by Mubārak II.</i></p>			
738	" 824	<p>"</p> <p>Wt. 70.7. S. .6.</p>	<p>but "</p> <p>AIV</p>
739	" 825	<p>"</p> <p>Wt. 66.2. S. .6.</p>	<p>but "</p> <p>AIV</p> <p>Pl. IX.</p>
740	" 827	<p>"</p> <p>Wt. 70.2. S. .6.</p>	<p>but "</p> <p>AIV</p>
741	" 828	<p>"</p> <p>Wt. 70. S. .6.</p>	<p>but "</p> <p>AIV</p>

No.	Mint Date	Obverse	Reverse
FIRUZ III			
Æ 742	Dehli <i>Dārūl-mulk</i> 832	As on 717. Wt. 66-9. S. -6.	As on 714, but ۸۳۲
743	" 835	" Wt. 66. S. -6.	but " ۸۳۵
744*	" ?	" Wt. 65-8. S. -6.	but " ۷۳
<p>The following other posthumous dates have been observed in this type and weight:</p> <p>799, 800 (Th.), 810 (B.M.)—struck by Mahmūd Shāh II. 818, 820, 821, 822 (N.S. 35)—struck by Khizr Khān. 826, 829, 830 (N.S. 35)—struck by Mubarak II.</p> <p>Mr. R. B. Whitehead owned a curious hybrid copper coin. It had the obverse legend of No. 706, but on the reverse was the Kāngra horseman figured in <i>I.M.C.</i>, vol. i, Pl. XXVII, 22. The weights of the Kāngra and Dehli coins of this denomination are very similar. Firūz successfully invaded Kāngra—see <i>C.H.I.</i>, vol. iii, pp. 179-180.</p>			
FATH KHAN			
<p>FATH KHAN associated with his father GOLD</p>			
A/ 745*	Iqlim-sh-Sharq 761	<p>In circle</p> <p>فی زمن الامام امیر المومنین ابی الفتح المعتصم بالله خلدت خلافتہ</p> <p>Margin</p> <p>ضربت هذه السكة في اقليم الشرق سنة احدى و ستين و سبعمائة</p> <p>Wt. 168-5. S. -9.</p>	<p>In circle</p> <p>شاه فتحخان فیروز جل الله ظلال جلال</p>

Pl. IX.

* Note to 744. Possibly of 887 (reversed).

* Note to 745. See N. S., xxxv, p. 168, where the provincialism of Fath Khān's coins is emphasized.

No.	Mint Date	Obverse	Reverse
8 751- 754	—	As on 750. Wt. 130.2; 133.7; 138.4. S. .75-.7.	شاه فتحخان فیروز جل طلال جلال عزیت هذه السکه
755- 756	"	" Wt. 139; 140.2. S. .7; .65.	" but star over ج of جل
757	"	في زمن الامام امير المؤمنين ابى الفتح خلدت خلافته Wt. 54.7. S. .6.	As on 746. Pl. IX.
758- 760	"	في زمن الامام امير المؤمنين خلدت خلافته Wt. 52.3; 56.2. S. .6.	" Pl. IX.
760 (bis)	"	... امير الموا الله عبد منين خلدت خلافته Wt. 55.5. S. .6.	شاه فتحخان فیروز Pl. XXIII.
Dehli—acquired in 1928.			

No.	Mint Date	Obverse	Reverse
TUGHLUQ SHĀH II			
TUGHLUQ II			
A/		A.H. 790-791.	A.D. 1388-1389.
761*	[Dehli] ?	GOLD	
		In circle, as on 651. <i>Margin (read from outside)</i> عزبت هند . . . [بحفرت دهلي]	السلطان الاعظم فيات الدنيا و الدين تغلى شاه السلطانى
		Wt. 170. S. .9.	
		<i>Dates observed :</i> 791 (Berlin).	Pl. IX
B		BILLON	
761 A	— 790	سلطان تغلى شاه	المومنين نائب امير vii.
		Wt. 164. S. .8.	
		<i>Ref. Thomas, 251.</i>	
		<i>Dates observed :</i> 790 (Th.), 791 (I.M.C.).	
762- 765	Dehli 790	الحليف ابو عبد الله خلدت خلافته vii.	تغلى شاه سلطان بت بحفرت دهلي
		Wt. 140-7; 140-6; 139-6; 139. S. .7.	
766	" 791	but "	"
		Wt. 141. S. .7.	
		<i>Dates observed : 790, 791.</i>	Pl. IX

* Note to 761. Cf. R. V. 18. Berlin has a specimen with vii, دهلي in the margin.

	No.	Mint Date	Obverse	Reverse
TUGHLUQ II	B 767	—	In circle الله ابو عبد خلدت خلافته Wt. 83.8. S. .65.	In circle تغلق شاه سلطان خلدت مملكته Pl. IX.
	768	Dehli 790?	In circle الله عبد ابو <i>Margin</i> خلدت [خلافته بحضرت دہلی] v1. Wt. 72 (worn). S. .7.	سلطان تغلق شاه Pl. IX.
	769	—	الخليفة ابو عبد الله خلدت خلافته Wt. 53.1. S. .55.	تغلق شاه سلطاني خلد ملكته Pl. IX.
	769A	Dehli —	الخليفة المومنين امير خلدت خلافته Wt. 55. S. .5. Ref. B.M.	تغلق شاه سلطان حضرت بحضرت دہلی
	769B	— 790	ابو عبد الله v1. Wt. 50. S. ? Ref. Thomas, 253.	تغلق شاه سلطان

No.	Mint Date	Obverse	Reverse
Æ		COPPER	
		TUGHLUQ II	
770	Dehli <i>Dārū-l-mulk</i>	تغلق شاه سلطان The cuts across the tops of لطا Wt. 65.8. S. .65.	دار الملك دهلي
770A	"	سلطان تغلق شاه Wt. 66. S. .5. Ref. I.M.C.	As on 770.
770B	Dehli —	شاه تغلق Wt. 35. S. .4. Ref. R. (Lahor, p. 103. 6).	حضرت دهلي
		FIRŪZ SHĀH ZAFAR	
		A.H. 791.	A.D. 1389.
N		GOLD	
		ZAFAR	
771	Dehli ?	In circle, as on 651. Margin ... حضرت دهلي ... Wt. 168.9. S. .9. Date observed : 791 (B.M.).	السلطان الاعظم فيروز شاه ظفر ابن فيروز شاه السلطاني
			Pl. IX.

No.	Mint Date	Obverse	Reverse
SAFAR	B	BILLON	
772*	— [791]	وز شاه فیروز ظفر ابن فیروز شاه Wt. 165.6. S. -8.	المومنین نائب امیر [۷۹۱] Pl. IX.
773— 775	Dehli 791	الخلیفه ابو عبد الله خلعت خلافت ۷۹۱ Wt. 138.3; 140; 136. S. -65.	وز شاه فیروز ظفر سلطانی ضربت بجمرت دہلی Pl. IX.
775* (bis)	Dehli —	الخلیفه المومنین امیر خلعت خلافت Wt. 140. S. -7.	As on 773.
775A*	— 791	الخلیفه المومنین امیر خلعت خلافت Wt. 130. S. -65. Ref. A. N. S.	وز [شاه] فیروز سلطانی ظفر ۷۹۱ Pl. XXIII.

* Note to 772. For dated coin see R. vi. 22.

* Note to 775 (bis). Acquired for Delhi in 1923—Ref. Th. 246.

* Note to 775A. Cf. N. S., xxxv, p. 175. 10, and R. vi. 23, where the coin is described as copper. But the type and weight show it to be billon.

No.	Mint Date	Obverse	Reverse
B 775 B*	— 791	In square شاه فیروز <i>Margin</i> ظفر ابن فیروز شاه سلطانی Wt. 110. S. -65.	المومنین نائب امیر ۷۹۱ SAFAR
		<i>Ref. R. I. 17. 18 (a variant with margin differently arranged).</i>	
776	—	الله ابو عبد خلدت خلافت Wt. 80.7. S. -65.	فیروز شاه ظفر ابن فیروز شاه Pl. IX.
776 A	? Dehli —	In circle الله عبد ابو <i>Margin</i> خلدت خلافت غربت Wt. 75.5. S. -65. <i>Ref. B.M.</i>	As on 776, but وز شاه فیروز Pl. XXI.
777- 778	—	الخليفة ابو عبد الله خلدت خلافت Wt. 52.8; 49. S. -55-5.	فیروز شاه ظفر سلطانی Pl. IX.

* Note to 775 B. R. (Lahor, p. 100. 5) gives a coin of this type without date weighing 81 grs., but from the cast supplied it would appear that this weight is due to clipping and wear.

No.	Mint Date	Obverse	Reverse
SAFAR	B 778 A*	وز شاه فیر ظفر ابن فیروز شاه Wt. 55. S. 55. Ref. R. IV. 25 (Lahor).	المومنین نائب امیر ۷۱۰?
	Æ 779*	As on 777. (cut) Wt. 106. S. 6.	In circle شاه فیروز Margin ظفر [ابن فیروز] شاه سلطانی
779 A	Dehli Dāru-l- mulk —	وز شاه فیر ظفر سلطان Wt. 67. S. 55. Ref. N.S. xxxv, p. 175, No. 12, now in B.M.	دار الملك دهلی Pl. XXI.
ABŪ BAKR	ABŪ BAKR SHĀH		
	A 780	A.H. 791-793. In circle as on 651. Margin (read from outside): ... ۷۱۰ عربت ... Wt. 169.2. S. .85 × .9. Dates observed: 791, 792 (H.R.N.).	A.D. 1389-1390. GOLD السلطان الاعظم ابو بکر شاه بن ظفر بن فیروز شاه السلطانی (traces of circle outside) Pl. IX.

* Note to 778 A. A cast of this coin received from the Panjab Museum shows that the suggested date is speculative.

* Note to 779. Rodgers has figured three coins of this type in R. IV. 20, 21, 22. On p. 190 of the same paper he says he has five coins of the type, all of brass, with an average weight of 104 gra. (not 84 gra. as stated in R. Lahor, p. 100. 6, and N.S. xxxv, p. 175. 11).

No.	Mint Date	Obverse	Reverse
B		BILLON	ABU BAKR
781*	— 792	In foliated border ابو بکر شاہ ظفر بن فیروز شاہ سلطانی The cuts across the tops of لٹا Wt. 163. S. -8.	In foliated border نائب المومنین امیر خلدت خلافت ۷۹۲ Pl. IX.
782	"	" but the letters are bolder and there is no بن after ظفر Wt. 159. S. -8.	"
783	— 792	In circle as on 781. Wt. 149. S. -8 x -9.	In circle as on 781, but the date is to the left under فت Pl. IX.
784	"	In circle بکر شاہ ابو Margin (beginning at top) [بن] ظفر بن فیروز [شاہ سلطانی] Wt. 166. S. -8.	المومنین نائب امیر ۷۹۲ Pl. IX.
785	"	ابو بکر شاہ ظفر ابن فیروز شاہ Wt. 162.5. S. -85.	المومنین نائب امیر ۷۹۲

*Note to 781. This coin is similar in type and weight to the one listed as copper in N.S. xxxv, p. 178, No. 11. But there is no doubt that Nos. 781 and 782 are billon (much debased). So is B.M.C. 406, a similar piece.

**ABU
BAKR**

No.	Mint Date	Obverse	Reverse
B 786	— 792	As on 785. Wt. 152.5. S. .75.	نائب امير المومنين ۷۹۲
787	— 791	الخليفة ابو عبد الله خلعت ۷۹۱ خلافت (much cut) Wt. 115.3. S. .7.	ابو بكر شاه بن ظفر بن فيروز شاه سلطاني
788*- 791	— 792	but " ۷۹۱ Wt. 137.2; 135.2; 130.5; 129.6. S. .7. Dates observed: 791, 792, 793 (Th.).	"
791A	Dehli 791	As on 787. Wt. 136. S. .7. Ref. I.M.C.	حضرت دهلي As on 787, but to left of سلطاني
791B	— 791	وز شاه فيروز سلطاني ظفر ۷۹۱ Wt. 128. S. .7. Ref. R. VI. 15.	ابو بكر شاه بن فيروز شاه ظفر سلطاني

*Note to 788. In one coin the second بن on the reverse is above ظفر on the others below فيروز. R. (Lāhor, p. 102, 5) gives a coin of this type on which both بن's on the reverse are omitted; date 791, wt. 120 grs.

No.	Mint Date	Obverse	Reverse
B 792	— 791	In square شاه ابو بکر <i>Margin</i> The only word legible is شاه in bottom right corner. Wt. 97 (chipped). S. .7.	المومنين نائب امير vii ABU BAKR
793	— 792	" <i>Margin</i> (beginning at right centre) بن ظفر بن فيروز شاه سلطاني Wt. 106.9. S. .65.	" but vii Pl. IX.
794	"	" but marginal legend begins at left centre. Wt. 107. S. .7.	"
795*	— 793	" but marginal legend begins at left bottom corner. Wt. 93. S. .7. <i>Dates observed : 791, 792, 793.</i>	" but viii Pl. IX.

*Note to 795. The B.M. has a similar coin dated 792 and weighing 112.5 grains. B.M.C. 402 is another variant with the marginal legend beginning in the top segment.

**ABU
BAKR**

No.	Mint Date	Obverse	Reverse
B 795 A*	— 791	In quatrefoil lozenge شاہ بکر ابو <i>Margin</i> (beginning at 9 o'clock) (بن) ظفر بن فیروز شاہ سلطانی Wt. 110. S. .75. <i>Ref.</i> R. VI. 7.	As on 792.
795 B	— 792	In quatrefoil شاہ بن فیروز ابو بکر شاہ <i>Margin</i> ظفر . . . سلطانی Wt. 104.3. S. .7. <i>Ref.</i> N.S. xxxv, p. 177. 7 (H. R. N.).	but " vfr
795 C	—	In circle اللہ ابو عبد خلدت [خلافت] Wt. 77. S. .6. <i>Ref.</i> B.M.C.	ابو بکر شاہ ظفر سلطانی The لٹا cuts the نے

*Note to 795 A. Though Rodgers marks it as copper it seems more probable from its type that it is billon.

No.	Mint Date	Obverse	Reverse
B 796	—	<p>الخليفة المومنين امير خلدت خلافت</p> <p>Wt. 53.3. S. .55.</p>	<p>As on 787.</p> <p>ABU BAKR</p> <p>Pl. IX.</p>
797- 800	—	<p>الخليفة أبو عبد الله خلدت خلافت</p> <p>Wt. 54.5; 53.5; 53; 47.3. S. .55.</p>	<p>أبو بكر شاه ظفر سلطانی</p>
801	—	<p>"</p> <p>Wt. 53.3. S. .5.</p>	<p>but شاه</p>
801 A	—	<p>الخليفة ابو عبد الله</p> <p>Wt. 53. S. .5.</p> <p>Ref. R. (Lahor, p. 103. 8).</p>	<p>In circle بكر ابو</p> <p>Margin شاه بن ظفر من فيروز</p>
801 B	— 791?	<p>As on 787, but ? date.</p> <p>Wt. 47.</p> <p>Ref. Thomas, 256.</p>	<p>As on 787.</p>
Æ			
802*	Dehli Daru-l- mulk ? 792	<p>In rayed circle</p> <p>شاه بكر أبو د (sic)</p> <p>Wt. 75.3. S. .55.</p>	<p>دار [الملك] دهلي (? inverted) v1r</p>

*Note to 802. Neither the reading nor the attribution of this coin is completely satisfactory.

ABŪ
BAKR

No.	Mint Date	Obverse	Reverse
Æ 802 A*	Dehli <i>Dāru-l-mulk</i> —	In square ابو بکر <i>Margin ?</i> Wt. 48 (cut). S. .45. Ref. A. N. S.	دار الملك دهلي Pl. XXIII.
? Abū Bakr Shāh			
B ? 803*	— 792	In six-foil lozenge شہ فیروز بن ابو بکر شاہ Traces of marginal legend. Wt. 168.5. S. .85.	الخليفة ابو عبد الله خلعت v12 خلافتہ Pl. IX.
803 A*	— 792	وز شاہ فیروز ابو بکر شاہ بن سلطان Wt. 167. S. .75. Ref. R. VI. 11.	المومنین نائب امیر v12
803 B	—	As on 803. Wt. 172.5. S. .75. Ref. W. E. M. C.	الخليفة المومنین امیر خلعت خلافتہ

*Note to 802 A. H.R.N. records a lead coin with ابو بکر شاہ ? on the obverse and a reverse similar to 802 A.

*Note to 803. A.N.S. has another specimen.

*Note to 803 A. This is probably L.W.K. 3235.

No.	Mint Date	Obverse	Reverse
		<p style="text-align: right;">MUHAM- MAD IV</p> <p style="text-align: center;">MUHAMMAD IV BIN FIRUZ</p> <p style="text-align: center;">A.H. 792-795. A.D. 1390-1392/3.</p> <p style="text-align: center;">GOLD</p>	
<i>A</i> 803 c	— 793	<p>الامام في زمن المومنين امير خلدت خلافة ٧٩٣</p> <p>Wt. 170. S. .85.</p> <p><i>Ref. B.M.</i></p> <p><i>Dates observed: 793 (B.M.), 794 (N.S. 35).</i></p>	<p>السلطان الاعظم شاء شاه محمد فيروز سلطاني خلدت مملكته</p> <p style="text-align: right;">Pl. XXI.</p>
804*	— 825	<p>As on 803 c, but ٨٢٥</p> <p>Wt. 173.9. S. .75.</p>	<p>السلطان الاعظم ابو الحامد محمد شاه بن فيروز شاه [السلطاني] ?</p> <p style="text-align: right;">Pl. X.</p>
<i>R</i> 805*	— 818	<p>As on 803 c, but ٨١٨</p> <p>Wt. 172. S. .9.</p> <p><i>Posthumous dates observed: 817 (Th.), 818, 820 (H. R. N.), 823—issues of Khizr Khān, 834—issue of Mubārak II (fig.).</i></p>	<p>As on 804.</p> <p style="text-align: right;">Pl. XXI.</p>

*Note to 804. Posthumous issued by Mubārak II.

*Note to 805. Coins of 798, 794 are recorded with similar inscriptions (cf. Th. p. 308 and N.S. xxxv, p. 180), but they cannot be traced. *Prima facie* coins of 798, 794 should have inscriptions similar to 803 c.

[illegible]

*Note to 805 n. See also R. IV, 6.

No.	Mint Date	Obverse	Reverse	
Æ 808*- 811	—	وز شاه فیروز سلطانے The cuts across the tops of [ط]ا Wt. 69; 66. S. .55.	سلطانے محمد شاه	MUHAM- MAD IV Pl. X.
812	—	" Wt. 32.5. S. .45.	"	
812 A	—	شاه فیروز Wt. 14. S. .35. Ref. A. N. S.	شاه محمد	Pl. XXIII.
? First issues of Muhammad Shāh when associated with his father.				
B		BILLON		
812 B	789	As on 806, but vāi Wt. 141.3. S. .7. Ref. B.M.	As on 806, but احمد in place of محمد	Pl. XXI.
Æ		COPPER		
812 c	—	As on 808. Wt. 68.5. S. .55.	[احمد شاه] سلطانے The cuts the [ط]ا	

*Note to 808. Cp. I.M.C. 497, but fuller specimens do not support 'بن' on the obverse.

No.	Mint Date	Obverse	Reverse
MUHAM- MAD IV		B. As sole ruler, A.H. 792-795.	
B		BILLON	
812 D	— 795	As on 805 B. Wt. 164.5. S. .8. Ref. H. R. N.	As on 805 B, but v10 Pl. XXIV.
813- 814	— 793	As on 806, but v13 Wt. 128.8. S. .7.	As on 806, but سلطان
815- 817	"	" Wt. 140.5; 134.2. S. .7.	As on 806. Pl. X.
818- 820	— 794	but " v12 Wt. 139.8; 142.2. S. .7.	"
821	— 795	but " v10 Wt. 131. S. .7. Dates observed: 793, 794, 795.	"
821 A	— 79—	شاه فیروز بن محمد شاه Wt. 132 (worn). S. .65. Ref. B.M.	المومنين نائب امير v1—

No.	Mint Date	Obverse	Reverse
B 821 B	— 792	In double circle as on 821 A. Wt. 55. S. 55. <i>Ref.</i> A. N. S.	In circle as on 821 A, but MUHAM- MAD IV v1r Pl. XXIII.
822*— 823	—	الخليفة ابو عبد الله خلدت خلافة Wt. 53.3. S. 55.	As on 813.
824*	—	الخليفة المومنين امير خلدت خلافة Wt. 52.8. S. 55.	As on 806. Pl. X.
COPPER			
Æ 825— 826	Dehli 793	In circle شاه محمد <i>Margin</i> سلطاني عربت حضرت دهلي Wt. 135; 136.2. S. 65.	المومنين نائب امير v1r T to left of امير
827— 828	" 794	" Wt. 131.5; 130.5. S. 65. <i>Dates observed:</i> 793, 794, 795 (B.M.).	but " v1r Pl. X.

*Note to 822. N.S. xxxv, p. 181. 8 gives a variant with سلطان on reverse.

*Note to 824. B.M. has a variant with سلطان.

MUHAM- MAD IV	No.	Mint Date	Obverse	Reverse
	Æ			
	829	Dehli <i>Dārū-l- mulk</i> 792	سلطان محمد شاه Wt. 68. S. -55.	دار الملك دهلی v12
	830	" 793	سلطان محمد شاه Wt. 63.2. S. -6.	but " v13
	831- 833	" 794	" Wt. 68.5; 65.6. S. -55--5.	but " v14
	834	" 795	" Wt. 64.7 (worn). S. -55.	but " v15
			<i>Dates observed : 792, 793, 794, 795.</i>	
			<i>Posthumous dates observed : 801, 804 with سلطان on obv.</i>	
	835*- 838	" —	As on 829. Wt. 69.5; 67.5. S. -55.	but without date.
	838 A	" —	In circular area شاه محمد Wt. 66. S. -55. <i>Ref. R. (Lahor, p. 104. 4).</i>	"

*Note to 835. Traces of a circular border are visible on some coins of this type. H.R.N. has a coin with m.m. 97 to left of دهلی.

No.	Mint Date	Obverse	Reverse	
<i>Æ</i> 839*	Dehli 791?	In circle شاه محمد <i>Margin (read from inside)</i> سلطان حضرت دہلی Wt. 54.7. S. .6.	المؤمنین نائب امیر * ۱۱۹۷	MUHAM- MAD IV Pl. X.
840*- 841	" 793	" Margin illegible. Wt. 52.8; 53.5. S. .6. <i>Dates observed: 792 (B.M.), 793, 794 (I.M.C.).</i>	but "۱۱۹۷	
842*- 844	Dehli —	شاه محمد Wt. 34.5; 34.1; 33.8. S. .45-4. Traces of a circle are found on some coins of this type— both sides.	ت بختیار دہلی	Pl. X.
844 A	" —	As on 842. Wt. 24; 22.5. S. .45. <i>Ref. R. (Lahor), p. 104.6/6A.</i>	As on 842.	
844 B	—	محمد Wt. 16. S. .35. <i>Ref. R. I., Pl. VI. 3 (Lahor).</i>	شاه	

*Note to 839. In A.H. 791 Muhammad was fighting for the throne. This date may be a posthumous 801 (inverted).

*Note to 840. R. I. 19 figures a coin of 792 with the margin reading from outside.

*Note to 842. A coin of this type is given in R. (Lahor), pp. 104. 5, weighing 42 grains.


SIKAN-
DAR I

No.	Mint Date	Obverse	Reverse
SIKANDAR SHĀH I			
		A.H. 795.	A.D. 1393.
		BILLON	
B 845	— 795	<p>الخليفة ابو عبد الله خلدت خلافته ٧٩٥</p> <p>Wt. 138.3. S. .8.</p>	<p>سلطان محمد شاه سكندر شاه</p> <p style="text-align: right;">Pl. X.</p>
845 A	—	<p>الخليفة المومنين امير خلدت خلافته</p> <p>Wt. 55. S. .55.</p> <p>Ref. B.M. 429.</p>	<p>As on 845, but سلطان</p>
		COPPER	
Æ 846	[Dehli] 795	<p>In circle شاه سكندر</p> <p>Margin [سلطاني عربت بحضرت دهلي]</p> <p>Wt. 135.0. S. .65.</p>	<p>المومنين نائب امير ٧٩٥</p>
847- 848	Dehli Daru-l- mulk 795	<p>سلطان سكندر شاه</p> <p>Wt. 68.3. S. .55.</p>	<p>In circle دار الملك دهلي ٧٩٥</p> <p style="text-align: right;">Pl. X.</p>

No.	Mint Date	Obverse	Reverse
Æ 848 A	Dehli <i>Dārū-i-mulk</i> 795	محمد شاه سکندر شاه Wt. 69.6. S. -6. Ref. Berlin.	As on 847. SIKAH-DAR I Pl. XXIII.
848 B	Dehli	شاه سکندر Wt. 30. S. -45. Ref. Thomas 275 and A. N. S.	بحضرت دهلی
848 C	—	سکندر Wt. 18. S. -4. Ref. R. I. 2 (Lahor).	شاه
N 848 D	Dehli 797	In circle الامام فی زمن امیر المومنین خلدت خلافتہ <i>Margin</i> حضرت . . . بحضرت دهلی ۷۱۷ Wt. 171. S. -9. Ref. N.S. xxiv (H. R. N.).	MAHMŪD II A.D. 1393-1413. GOLD السلطان الاعظم ابو المظفر محمود شاه محمد شاه فیروز شاه سلطانی



No.	Mint Date	Obverse	Reverse
MAHMÜD II A/ 849	— ?	As on 848 D, but without margin. Legend occupies whole area, with date (here absent) as bottom line; and المؤمنين امير Wt. 173.3. S. .8. <i>Dates observed</i> : 799 (H. R. N., wt. 169.8), 79 - (B.M., wt. 170.2), 80 - (B.M., wt. 171.3).	As on 848 D. Pl. X.
850	— ?	As on 849, (date absent) Wt. 173.7. S. .8. <i>Date observed</i> : 800 (B.M., wt. 174.1).	As on 848 D, but ابو الحامد
AR 850 A	795	As on 849, but date vto Wt. 164.8. S. .85. Ref. B.M. <i>Dates observed</i> : 795 (B.M.), 796* (I.M.C., wt. 159 gra.).	SILVER As on 848 D.
851	815	but Wt. 165.2. S. .9. <i>Dates observed</i> : 814 (N.S. xxxv), 815, 816 (F. M. C.).	As on 850. Pl. X.

*Note to 850 A. This coin is catalogued as of 806 but the reading is doubtful and the earlier date is more probable for this type.

No.	Mint Date	Obverse	Reverse
MAHMUD II			
BILLON			
B 852-853	795	<p>الخليفة ابو عبد الله خلعت خلافتہ ۷۹۵</p> <p>Wt. 139; 142.3. S. -7.</p>	<p>سلطان محمد شاه محمود شاه</p> <p>Pl. X.</p>
854	796	<p>but " ۷۹۶</p> <p>Wt. 124.3 (worn). S. -65.</p> <p>Dates observed: 795, 796.</p>	<p>"</p>  <p>"</p>
855	—	<p>الخليفة المومنين امير خلعت خلافتہ</p> <p>Wt. 52.7. S. -55.</p>	<p>Pl. X.</p>
COPPER			
Æ 856	Dehli 797	<p>In circle شاه محمود</p> <p>Margin سلطانی غربت [بحسرت دہلی]</p> <p>Wt. 140.7. S. -65.</p>	<p>المومنين نائب امير ۷۹۷</p> <p>Pl. X.</p>
857-858	" 798	<p>"</p> <p>Wt. 138.3. S. -65.</p>	<p>but "</p> <p>۷۹۸</p>

	No.	Mint Date	Obverse	Reverse
MAHMŪD II	Æ 859	Dehli 815	As on 856. Wt. 138.3. S. 7.	As on 856, but A 10
	860*- 861	—	" Margin illegible. <i>Dates observed:</i> 795, 796, 797, 798, 799, 800 (Th.), 801, 802, 803 (R. Lāhor), 804 (Th.), 806 (R.B.), 813 (Th.), 815—cf. N.S. xxxv, p. 186 (8).	" but no legible date.
	861 A	Dehli <i>Dāru-l-mulk</i> —	In circle سلطان محمود شاه Traces of margin. Wt. 134.8. S. 7. Ref. N.S. xxxv, p. 187. 12 (H. R. N.).	In circle دار الملك دهلي
	861 B	[Dehli] ?	As on 856, but a legible margin has not been recorded. Wt. 69. S. 55. Ref. R. (Lāhor), p. 107. 3.	As on 856, but no dated specimen is known.
	862	Dehli <i>Dāru-l-mulk</i> 795	In circle سلطان محمود شاه Wt. 68.8. S. 55.	دار الملك دهلي v 10
	863- 864	" 798	" Wt. 69.2. S. 55.	" but v 1A

*Note to 860. Probably contemporary fabrications.

No.	Mint Date	Obverse	Reverse	
Æ 865- 866	Dehli <i>Dārū-l- mulk</i> 800	As on 862. Wt. 66. S. .55.	As on 862, but A..	MAHMUD II
867- 868	" 801	" Wt. 70.2. S. .55.	but " A..	
869	" 807	" Wt. 63.5. S. .55.	" A..	
<p><i>Dates observed :</i> 795, 796 (B.M.), 797 (I.M.C.), 798, 799 (B.M.), 800, 801, 802 (Th.), 803 (B.M.), 804 (N.S. xxxv), 807, 809 (R. Lahor), 811 (B.M.), 814 (H.R.N.), 815 (B.M.).</p>				
869 A	" —	شاه محمود سلطان The  cuts across the  Wt. 70.5. S. .6. Ref. (B.M.) and R. (Lahor).	In circle as on 862, but without date.	
869 B	" 803	" Wt. 65.3 (worn). Ref. H. R. N.	As on 862, but below A..	
869 C	" —	In circle شاه محمود Wt. 63. S. .6. Ref. I.M.C. 521.	As on 862, but without date.	

No.	Mint Date	Obverse	Reverse
MAHMÜD II			
Æ 870	Dehli <i>Dāru-l-mulk</i> —	As on 862, but finer lettering. Wt. 56.8. S. .6.	In double circle as on 862, but without date. Pl. X.
871	Dehli —	شاه محمود Wt. 34.8. S. .45.	ت الحضر دهلي Pl. X.
871 A	" —	" Wt. 9. <i>Ref. H. R. N.</i>	دهلي
<i>Posthumous</i>			
872	Dehli 83 —	As on 856. Wt. 144. S. .65.	As on 856, but A1 —
873	Dehli <i>Dāru-l-mulk</i> 816	As on 862. Wt. 69.4. S. .6.	As on 862, but A11
NUṢRAT			
NUṢRAT SHĀH			
		A.H. 779-802?	A.D. 1395-1399?
GOLD			
N 874*	— 800	As on 803c, but ... Wt. 171.1. S. .8.	الرائى بتائيد الرحمانى نصرت شاه السلطانى خلعت مملكته Pl. X.

*Note to 874. Cf. R. (Lahor, p. 108), wt. 167 grains.

No.	Mint Date	Obverse	Reverse
Æ		COPPER	
875	?	<p>In circle</p> <p>شاه نصرت سلطان</p> <p>The π cuts across the tops of π</p> <p>No margin visible.</p> <p>Wt. 141.3. S. -65.</p>	<p style="text-align: right;">المومنين نائب امير T to left of امير</p> <p style="text-align: right;">Pl. X.</p>
876	Dehli ?	<p>In circle</p> <p>سلطان شاه نصرت</p> <p>Margin دهلي</p> <p>Wt. 139.3 (worn). S. -65.</p>	"
876 A	801	<p>As on 876, but margin illegible.</p> <p>Wt. 140. S. -65.</p> <p>Ref. A. N. S.</p>	<p>As on 875, but below A. I</p>
876 B	Dehli Daru-l- mulk —	<p>شاه نصرت سلطان</p> <p>Wt. 133. S. -65.</p> <p>Ref. I.M.C., 522.</p>	<p>دار الملك دهلي</p>

NUŠRAT	No.	Mint Date	Obverse	Reverse
	Æ			
	877	Dehli Dārū-l- mulk 797	شاه نصرت سلطان The نے cuts across the tops of the لٹا Wt. 71.3. S. -6.	دار الملك دهلی v1v Pl. X.
	878	" 798	" Wt. 69. S. -6.	" but v1a
	879	" 799	" Wt. 66.1. S. -6. <i>Dates observed : 797, 798, 799, 807 (B.M.C.).</i>	" but v11
	879 A	" —	" Wt. 70. S. -55. <i>Ref. N.S. xxxv, p. 188.</i>	" but without data.
	879 B	" —	" but with short نے Wt. 60. S. -55. <i>Ref. B.M.</i>	"
	879 C	" —	" but with لی Wt. 65.4. S. -55. <i>Ref. H. R. N.</i>	"

No.	Mint Date	Obverse	Reverse
Æ 879 D	Dehli <i>Dāru-l- mulk</i> 801	سلطان نصرت شاه Wt. 67.1. S. .55. Ref. R. B.	As on 877, but below ۸۰۱ NUBAT
880	Dehli 797	شاه نصرت ۷۹۷ Wt. 34.3. S. .45.	ت نصرت دهلی Pl. X.

FĪRŪZ III

FĪRŪZ III

Catalogue

Nos.

649-744

Pages

172-186

No dated gold coin of Fīrūz III Tughluq is known before A.H. 759 (No. 650 A), i.e. after he had reigned seven years. This was struck 'in the time of the Imām Abū'l Fath' and was therefore subsequent to the Abū'l 'Abbās Aḥmad issue (No. 649). But as stated elsewhere it seems probable that certain issues, which have hitherto been assigned to Muḥammad Tughluq, were the first issues of Fīrūz Tughluq. Abū'l Fath succeeded to the Khalifate in A.H. 753, and the news of his succession evidently percolated slowly to India, as was the case with that of his predecessor, and also his successor Abū 'Abdulla. The latter was inaugurated in A.H. 763 but his name first appears on the coinage of Fīrūz in A.H. 766, No. 650 of A.H. 765 being struck in the name of Abū'l Fath. It was not till A.H. 785 that Fīrūz dispensed with the Khalifa's name on his gold coins, cf. Nos. 651 and 652.

Nos. 652 A and 652 B are the only pure silver *tankaḥs* of Fīrūz III known.¹ They were possibly struck as special pieces and in view of their rarity can hardly have formed part of the general currency.

In billon we have the same conditions as in gold. Fīrūz's first issue in his own name was the dateless 32-*raṭī* billon, No. 694, in the name of Abū'l 'Abbās Aḥmad. In A.H. 759 appeared the first of a series of dated 80-*raṭī* and 32-*raṭī* pieces, without the name of any special Khalifa. The former coin was evidently the principal and most popular coin of the day. It is found in considerable numbers of every succeeding year of the reign. Nor did its popularity cease with the death of Fīrūz, for the same piece continued to be struck with posthumous dates up to A.H. 830 and specimens of it are even known dated A.H. 867 and 868.

In passing, special attention may be drawn to coins Nos. 690-690 A struck in the territory of Sind (سند). These are the only coins of Fīrūz Tughluq, if we except the issues of Fath Khān when associated with him, that bear a mint name other than Dehli—vide *J.R.A.S.*, July, 1900, p. 488. Fīrūz made two expeditions to Sind.

Fīrūz evidently carried on the currency system introduced by Muḥammad Tughluq in A.H. 727, and there need be no hesitation in assuming that his 80-*raṭī* billons of similar fabric were also denominated *tankaḥs*. No one can fail to notice the frequency with which transactions in *tankaḥs*, sometimes in very large amounts, are recorded in the histories of Fīrūz Shāh's reign. But we are faced with the fact that only four pure silver *tankaḥs* are known to have survived in a reign of 38 years, whereas the 80-*raṭī* pieces are found in large quantities. It is

¹ Two other specimens were lost—see p. 174 (note).

inconceivable that silver *tankahs* of previous kings existed in numbers **FIRUZ III** sufficient to permit the striking of such coins to be dispensed with almost completely during so long a reign if they were an essential part of the currency.

An assay of 19 coins of the 80-ratt billon type, selected haphazard, has been made by Dr. H. T. Plenderleith of the British Museum. In three coins of the earlier variety, the average silver content was 18.96 per cent. In sixteen of the later variety the silver content averaged 19.28 per cent. Thus the average per coin would come out at from 27 to 28 grains. This is borne out by the assay at the Royal Mint (App. B) which in two coins of A.H. 767 found a silver content of 27.10 grains in each coin and in six pieces of later date an average of 25.85 grains of silver per coin. Thus Firūz still further debased the *tankah*, and, as will be seen later, his standard was maintained by his successors up to the reign of Sikandar Lodī.

A list of Firūz Shāh's coins is provided by Shams-i-Sirāj Afif in his *Tārīkh-i-Firūz Shāhī*, from which, following Thomas, I reproduce the passage *verbatim*.

سلطان فیروز شاه سکهاہ بچندین نوع پدید آورد چنانچہ تنکہ زر و تنکہ نقرہ و سکہ چہل و ہشت گانی و مہر بیست و پنج گانی و بیست و چہار گانی و دوازده گانی و دہ گانی و ہشت گانی و شش گانی و مہر یک جیتل فیروز شاه فرمان فرمود کہ مہر نیم جیتل کہ آنرا ادہ گویند و مہر دانگہ جیتل کہ آنرا بیکہ (بیکہ؟)¹ گویند وضع کنند

'Sultān Firūz Shāh issued coins of several kinds, such as the gold *tankah* and the silver *tankah*, and the coin (تنکہ ? سک) of 48 *jittals*, and the coins (مہر) of 25 *jittals*, 24 *jittals*, 12 *jittals*, 10 *jittals*, 8 *jittals*, and 6 *jittals* and the coin (مہر) of one *jital* Firūz Shāh commanded that they should issue a coin of $\frac{1}{2}$ -*jital* (which they call "*adha*") and a coin of $\frac{1}{4}$ -*jital*—*dāng*— (which they call "*paikah*").'

In N.S. xxxviii, J.A.S.B., 1925, the import of the word و between تنکہ نقرہ and چہل و ہشت گانی has been discussed. Further consideration suggests a modification of the view there put forward. Specimens are in fact known of the silver *tankah*, scarce though they be. On the other hand the substitution of تنکہ for the سک of the text before the چہل و ہشت گانی appears reasonable, though not perhaps essential for the argument. Attaching, then, the ordinary meaning to و, the list would

¹ Thomas has rendered this word as *bīk*—and has traced a connexion between it and 'the appropriate vernacular *bīk*—بیکہ—alms'. But Professor Hodivāla has pointed out the improbability of such a connexion, and his suggestion that the reading should be بیکہ, which signifies a quarter, is convincing.

FIRUZ III read 'the gold *tankah*, and the silver *tankah*, and the *tankah* (or *sikka*) of 48 *jitals*'¹—these being the three coins of highest value employed by Firuz. The third of these clearly represents the billon *tankah*. It is significant that no mention is made of a *تنكہ پنجاگانی* or 50-*jital tankah*. Thus Firuz carries on the divisional system which has been shown to have been in force from the days of Iluttmish. For any but a 48-*jital tankah* most of the subdivisions in Shams-i-Sirāj's list would be incongruous, as shown in App. A. The list does, however, provide for fractions (25 and 10) of a 50-*jital tankah* and we have seen that such a *tankah* was current in the Dakhan in the reign of Muhammad Tughluq at any rate, and possibly earlier, under Muhammad Khalji. It seems also to have been used, if not generally current, in Dehli, as is evident from a passage in the *Tārīkh-i-Firuz Shāhī*, to which Professor Hodivālā has drawn attention (E. D. iii, 366). There, referring to the imposition of the *jizya* on the Brahmans of Dehli, Shams-i-Sirāj writes that the Sultān gave orders that they should take from each individual² 10 *tankah-i-panjāhgānts*'. For this payment the wealthy Hindūs of Dehli (هندوان شهر) made themselves responsible.

It would not be surprising that the use of the Dakhani *tankah* with its subdivision into 50 *jitals* should have spread to Dehli, whose inhabitants had been forced by Muhammad Tughluq to migrate to Daulatābād and had had time to accustom themselves to the currency system of the south. But a stray instance of this sort cannot override the multiple evidence which goes to show that the normal Dehli *tankah* consisted of 48 *jitals*. A possible explanation of this currency of 50-*jital tankahs* in Dehli which may be put forward is that when Firuz, as assay has shown, reduced the intrinsic value of his billon *tankah* in A.H. 759, the slightly more valuable *tankahs* of Muhammad came to be accounted as 50-*jital tankahs*.

It is less easy to identify the other denominations mentioned in the *Tārīkh-i-Firuz Shāhī*. Besides the 80-*ratī* piece, the only billons we know of are of four sizes, weighing 48 *ratīs* (Nos. 691–693), 32 *ratīs* (Nos. 694–711), 24 *ratīs* (No. 712), and No. 713 of uncertain weight. We are told that a 6-*jital* piece (*shashgānt*) was introduced, as a novelty, by Firuz Shāh—though Sheikh Mubārak included that denomination among Muhammad Tughluq's *dirhams*. This coin cannot be identified. Both the 48-*ratī* and the 24-*ratī* pieces might come within the category of novelties. The last billons of 48 *ratīs* (86.4 grains) had been issued

¹ The use of the word *tankah* before *panjāhgānt* in the passage quoted below seems to support this reading.

² Dowson has ten *tankahs* and fifty *jitals*, apparently misreading a 9 between *tankah* and *panjāhgānt*.

by Mubārak I and Khusrū, but these contained more silver than Firūz's **FIRUZ III** *tankahs*. We have had no previous example of a 24-*ratī* (43·2 grains) billon. Assay shows that No. 691 cannot be a *shashgānī*, two specimens having yielded a return of 11·3 grains of silver per coin, whereas in a *shashgānī*, the eighth part of Firūz's billon *tankah*, the silver content should not exceed 3½ grains. We have yet to see whether No. 712 fulfils these requirements.

Of the 32-*ratī* billons there are four issues, of which No. 694, with the name of Abū'l 'Abbās Ahmad on the obverse, must have been the earliest. Assay shows that these contain about 6½ grains of silver. They cannot therefore be *shashgānīs*, and may be quarters of the *tankah* or *dūāzdihgānīs*. Following them closely, or perhaps concurrent with them—for they began in A.H. 759—were Nos. 699 to 705. Three specimens of No. 702 give a return of about 11 grains of silver. This and their close resemblance in legend to the several varieties of the *tankah* (Nos. 653 to 679) indicate that they may have passed as half *tankahs* (24-*gānī* pieces). During their currency issued Nos. 706–708 with a silver content similar to that of No. 694 and doubtless of a similar denomination, while later in the reign came Nos. 709–711 of which the two specimens assayed return about 9½ grains of silver. These correspond to No. 680, and may be held to be successors (further debased) of Nos. 699 to 705 i.e. half *tankahs*.

There seems to be some ground for thinking that No. 713, the smallest of the billon coins, was the *jītal*, which Shams-i-Sirāj shows to have been definitely included as a coin in Firūz's currency. By this time the *jītal* or forty-eighth part of a *tankah* had sunk in value to less than a grain of silver. But its diminutive size when translated into billon must have made it most inconvenient for daily use, and it seems likely—its rarity supports this—that it was quickly supplanted by a handier coin. We may conjecture, therefore, though we cannot affirm, that Firūz introduced a copper *jītal* by the issue of Nos. 714–723 A. The rare coin No. 713 A would then be a double *jītal* (*dūgānī*).

On these coins Firūz started the familiar 'Dāru-l-mulk Dehli' reverse, a type which was to persist in the copper coinage till the accession of Sikandar Lodī. Indeed the Sultāns of the Sayyid dynasty incorporated Firūz's copper '*jītal*' bodily in their own coinages, as they did his *tankah*, merely adding the date of issue.

Firūz had been content in his early years to carry on Muḥammad Tughluq's 32-*ratī* *fulūs* of the Al-Hākim series, the change of reign being revealed only by a change of date. Later, he preserved the denomination in his own currency (No. 724). Five of these coins would have been equivalent to four of the newly introduced copper *jītals* of 40 *ratīs*. When Firūz remodelled the coinage and restored the *jītal* as a coin he

FIRŪZ III introduced—as *Shams-i-Sirāj* takes special care to emphasize—the ‘*adha*’ and ‘*paikah*’. Though the new *jital* was apparently at first a billon piece (No. 713) it is hardly conceivable that these tiny pieces should also have been coined of mixed metal. Nor is there any warrant in the text of *Shams-i-Sirāj* for so supposing. If, then, it is correct to hold that the copper coins of type No. 714 were *jitals* we have to hand in Nos. 728 and 735 A, the half and quarter *jital*. These are the lowest values in the extant coins just as the *adha* and *paikah* are the smallest coins mentioned by *Shams-i-Sirāj*, and seem to be peculiarly adapted for the special use of the فقير نقار—‘the poor beggar’—for whom that author says they were struck.

FATH KHĀN

FATH KHĀN

Catalogue
Nos. 745–
760 (*bis*)
Pages
186–188

In A.H. 760 *Firūz Shāh* invested his son *Fath Khān* with the insignia of royalty, among them being the right of issuing coins in his own name. As observed in *J.A.S.B.*, N.S. xxxv, p. 168, by Mr. Nevill, ‘it seems clear that *Firūz Shāh* did so by virtue of his appointment of that prince to the viceroyalty of the eastern portion of his dominions’. In this way ‘originated the separate principality, known as *Iqlimu-sh-sharq* (i.e. territory of the east) which not long afterwards became the independent kingdom of Jaunpūr’. Gold *tankahs* from two mints are known—*Iqlimu-sh-sharq* (which probably denotes Jaunpūr) and Patna. Both are dated A.H. 761. There is also a third remarkable type, represented by a single coin, which belonged to General Cunningham and is now in the British Museum (No. 745 B). The first word of the reverse has not been read with any certainty. Mr. Gibbs suggested امير; Mr. C. J. Rodgers حبیب—but was not satisfied with the reading. Neither of these two suggestions is convincing. The last letter is almost certainly ا, and this rules out حبیب. A trace of the first letter, however, points to a ح or خ and خبر ‘guardian’ or ‘warden’ is now suggested. The date unfortunately is not on the extant part of the margin but the name of *Abū ‘Abdulla* shows that it was struck after A.H. 765 (see *ante* p. 218). The legend may signify that by this time *Fath Khān*’s viceroyalty had been extended over the west as well as the east.

The billon coins are of two weights 80 and 32 *ratīs*—the former correspond closely in intrinsic value to the 80-*ratī* billon *tankahs* of *Firūz*—having in the case of three coins of No. 746 an average of 27 grains of silver and in the case of three coins of No. 751 an average of 28.10 grains of silver per coin (App. B). The only 32-*ratī* piece assayed is No. 757. That gives a return of 10.50 grains of silver, showing it to correspond to *Firūz*’s 32-*ratī* piece, No. 702. All these billons bear indications of provincial mintage. No. 760 *bis*, which corresponds to No. 750, is a type that has only recently come to light.

TUGHLUQ II

TUGHLUQ
II

Ghiyāsu-d-dīn Tughluq who succeeded Firūz Shāh was the son of Fath Khān, who had died in A.H. 776, but he soon proved his unfitness to rule and was assassinated after a reign of only six and a half months. His gold *tankahs* are very scarce and, as might be expected, no *tankah* of silver is known, but for so short a reign the billon and copper currency was unusually well provided for. The increase in weight of the billon *tankah* of 96 *ratīs* which, as will be seen later, was introduced by Muḥammad son of Firūz Shāh during his regency in A.H. 790, was maintained, while in addition billons of 80, 48, and 32 *ratīs* were issued. The unique piece, No. 768, has lost weight and may be assumed to be a 48-*ratī* piece.

Catalogue
Nos.
761–770 B
Pages
189–191

In copper we get the Firūzī '*jital*' and its half. Contemporary history—which is confined to the *Tārīkh-i-Mubārak Shāhi*—gives us no help on matters connected with coinage.

In the absence of any mention of the *jital* it is not possible to say whether this name, if, as suggested *ante*, it was applied to the copper 40-*ratī* piece, was preserved. It will therefore be convenient in future to refer to that denomination by the more generic term *fulūs*, which, as we know from the Mughal currency, was used in preference to the singular *ful* to denote a copper coin, and was applied to coins of varying weights.

FIRŪZ SHĀH ZAFAR

ZAFAR

Thomas (*Chron.*, p. 297–299) assumes¹ that Firūz Shāh, after Fath Khān's death, gave to his second son Zafar the privilege of striking 'binominal coinage', and accounts for the difficulty caused by coins dated A.H. 791 by treating them as an instance 'of the unreserve with which the Dehli mint masters latterly put forth posthumous coins'. Thomas seems to have known of only one dated type and regarded it as an exceptional issue. But later research has shown that both gold, billon, and copper coins of Firūz Shāh Zafar are dated and that the date (with one doubtful exception of A.H. 790, No. 778 A) is invariably A.H. 791, i.e. after Firūz Shāh's death. This in itself goes far to rule out the likelihood of the coins being posthumous. But the chronological question has been dealt with in detail by Mr. H. R. Nevill in article 214 of N.S. xxxv, *J.A.S.B.*, 1921, and his conclusion that 'Zafar, under the style of Firūz Shāh Zafar, succeeded Tughluq II but survived his accession only a few months, and was followed by his son Abū Bakr' has been accepted by numismatists. No mention is made in the *Tārīkh-i-Mubārak*

Catalogue
Nos.
771–779 A
Pages
191–194

¹ But without furnishing any proof for his assumption.

ZAFAR

Shāhī of Firūz Shāh Zafar's accession to the Dehli throne,¹ but in this case we may safely prefer the evidence of the coins themselves.

It is to be noted that on some of the types Zafar drops the *ابن فیروز شاه* and styles himself Firūz Shāh Zafar Sultānī, which is an indication that he had established his own claims to the throne and no longer needed the help of his parentage. The billon coins are of 96, 80, 64, 48, and 32 *ratīs*, i.e. the *tankah* and 5-, 4-, 3-, and 2-sixths of a *tankah*. The 64-*ratī* piece is an innovation; the others are of weights current in the preceding reign. It may be noted that No. 776 A corresponds in type to No. 768 of Tughluq II. The standard of the billon coinages during this and the preceding reign shows considerable deterioration, making it sometimes difficult to distinguish a billon from a copper coin. But this perhaps need not cause surprise in view of the conditions of the time. The fight for supremacy among the descendants of Firūz Shāh during the three years after the latter's death must have created a marked scarcity of funds in the treasuries of the rival claimants, with the resultant difficulty for them of issuing money enough to pay their way except by debasing the currency.

In copper there is a unique 40-*ratī fulūs*, No. 779 A, which corresponds to what has been tentatively styled the *jital* of Firūz, with its *دار الملك* reverse. But a coin which is more frequently met with is No. 779, which seems intended for a double 32-*ratī* piece. Rodgers (*J.A.S.B.* iv, p. 20-22) mentions one of 118 grains. This weight for copper was introduced by Muḥammad son of Firūz when acting as regent in A.H. 790 (see No. 807 A). Zafar's coin, though not of a distinctively copper type, must be regarded as of that metal (see Thos. 237, R. iv, pp. 20-22, *I.M.C.*, 472). It is distinguishable both in appearance and inscription from the billon piece No. 775 B.

ABŪ**BAKR****ABŪ BAKR**

Catalogue
Nos.
780-803 B
Pages
194-200

On the death of his father Zafar in A.H. 791 Abū Bakr succeeded to the throne and held it through the following year, but his tenure was a very precarious one for Muḥammad the son of Firūz III, who had been associated in the government with his father and been allowed to issue coins in his own name in A.H. 789, was still alive, and made frequent attempts to oust Abū Bakr. One of these eventually succeeded, and Abū Bakr was captured and ended his days as a prisoner in Meerut.

His gold coins are scarce, and no silver *tankahs* have been found.

The deterioration of the billon currency which has been noticeable in the two preceding reigns became very marked under Abū Bakr. The

¹ Nor is the question dealt with in C. H. I., vol. III (1929)—where, indeed, Firūz Shāh Zafar is not even mentioned.

dividing line between billon and copper is on the face of it so thin that **ABU** many of what must, by analogy with the coins of Zafar and Tughluq II, **BAKR** have been intended to pass as billon issues, have at one time or another been put down—and from their appearance quite justifiably—as of copper. The coins Nos. 781 to 786, 791 B, 792 to 795 A, 795 C, 801 A, 803, and 803 A, may be quoted as instances of this. In listing the Abū Bakr series I have been guided largely by the types and weights of the coins—especially the latter—and have placed among the billon issues coins which, to outward appearance, seem to have no claim to such a position. As we have seen in the preceding reigns there are certain weights or types which are definitely associated with the billon currency. So when we find Abū Bakr, in strict imitation of his predecessors, issuing coins of 96, 80, 64, 48, and 32 *ratīs* we may reasonably assume that they were meant to pass as billon *tankaḥs* and fractions thereof, notwithstanding their coppery appearance which was the result of excessive debasement. We have to remember that when a coin is first issued a very small quantity of silver is sufficient to give it a silvery surface, which in circulation it quickly loses. For a parallel state of things the Roman coinages of the third century A.D., where the *denarius* is scarcely distinguishable from copper, may be instanced.

The classification now given may perhaps appear arbitrary in certain cases, e.g. Nos. 784 to 786, 803, and 803 A and B. But to take these 96-*ratī* pieces as copper is to assume that Abū Bakr was responsible for a very striking increase in the weight of the copper unit, a change which his successor at once abandoned and which only took place more than thirty years later under a new dynasty, when the coinage was remodelled. It is inconceivable that a king, circumstanced as Abū Bakr was, should have had the inclination or the opportunity to introduce any, still less such an important, change in the currency.

Attention may be called to No. 795. The date (793)—which is quite clear—is remarkable and very scarce. It is explained by the fact that Abū Bakr surrendered to Muḥammad in the first month of that year. Thomas records another example, of the type of No. 787. No. 791 B is an exceptional piece. The obverse is the same as the reverse of No. 775 A of Zafar. Mr. Nevill (N.S. xxxv, p. 179) thinks that it 'lends strength to the theory that Abū Bakr was placed on the throne temporarily pending the arrival in Dehlī of his father'. It may, however, be just another instance of the hurried use of an old die by a new king, which we have had frequent occasion to observe elsewhere.

Considering that in Abū Bakr's billon issues the proportion of silver had been reduced nearly to the vanishing point the almost complete absence of a purely copper currency is not a matter for surprise. It is limited to two or three hardly recognizable examples of the '*Dāru-l-*

**ABŪ
BAKR**

mulk Dehli type. We can only suppose that the popular copper '*jital*' of Firūz was still circulating in numbers sufficient to make up the deficiency. We have seen that it was used by subsequent Sultāns who merely added to the inscription the years of their own reigns.

The three coins 803, 803 A, and 803 B are of unusual interest. They are of three distinct types and on all the obverse legend reads without question 'Firūz Shāh bin Abū Bakr Shāh'. Rodgers in *J.A.S.B.* for 1896 (R. vi) published No. 803 A and remarked: 'This king is not mentioned in history. . . . This Firūz Shāh must not be confounded with Firūz Shāh Zafar the father of Abū Bakr Shāh. I formerly edited one of this king's coins. But I misread it.' Mr. Nevill (*N.S.* xxxv, p. 178) writes that 'possibly the name Zafar has disappeared owing to a faulty arrangement of the lettering or else the die was defective'. That the same legend should be repeated on three different types seems to dispose of any question of a defective die. Moreover, there is no scope for the disappearance of *طغر* on 803 A. No such prince, however, as Firūz Shāh son of Abū Bakr is known to history and a difficulty lies in the fact that the date recorded on Nos. 803 and 803 A is A.H. 792, whereas Abū Bakr did not surrender his kingship till Muḥarram A.H. 793 and examples are known of his coins bearing that date (cf. Nos. 788 and 795). Muḥammad was, however, formally installed as Sultān in Ramazān A.H. 792 on the capture of Dehli (*Chron.*, p. 303). It may therefore be that in the last three months of the year a son of Abū Bakr put forward pretensions to the throne which his father had clearly lost, and that this is a case where coins must be held to supply an omission of written history. As we have already seen in the case of Firūz Shāh Zafar, contemporary history is not always comprehensive, and can frequently be implemented by numismatic evidence.

All three types are billons of the 96-rati standard and are presumably intended for *tankahs*, though as observed in the case of Abū Bakr's coins, the amount of silver in them is almost nominal.

**MUḤAM-
MAD IV****MUḤAMMAD IV**

Catalogue
Nos.
803 C-844 B
Pages

201-207

Muḥammad's first taste of sovereignty was in A.H. 789. His father, Firūz Shāh, had by then become old and infirm and found it expedient to hand over the reins of Government to his son. When Firūz died in A.H. 790 the succession naturally went to Tughluq Shāh, the son of his eldest son Fath Khān, and Muḥammad, whose regency was not very successful, failed to get sufficient support, and was obliged to retire to Nagarkōt. On the death, however, of Tughluq Shāh he reasserted himself vigorously and there was a ding-dong struggle between the rival claimants to the throne. Muḥammad indeed is said to have 'mounted

the throne' in A.H. 791 in *Sāmāna* (E. D. iv, p. 21) but no coins of his **MUHAMMAD IV** are known of that year, unless No. 839 can be so regarded. In A.H. 792 **MAD IV** he overlapped Abū Bakr; so coins of that year are known of both Sultāns.

Regency period A.H. 789–790. No gold or silver coins of this period are known. But in the billon series Muḥammad made an important innovation. He advanced his father's billon *tunkah* from a piece of 80 to one of 96 *ratīs* (Nos. 805 A–B). At the same time, however, he retained the 80-*ratī* piece as a lower denomination, thus recalling the concurrent silver *tankah* and *adli* of Muḥammad Tughluq. It is possible that No. 822 was the 32-*ratī* piece of this period. In the copper series also Muḥammad introduced a new denomination in No. 807 A. This coin weighs 110 grains and is probably, therefore, the double (= 115.2 grains) of the 32-*ratī* piece which Firūz took over from Muḥammad Tughluq.

To this period also we think must be assigned the unusual coins 812 B and 812 C, which are identical in type with the regency coins except that **احمد** is substituted for **محمد**—presumably an engraver's error. No. 812 B would be the normal '*tankah*' of the time. It is dated A.H. 789, i.e. the year preceding the increase in the weight of the *tankah* (No. 805 A). No. 812 C is the copper 40-*ratī* *fulūs* or '*Firūzī jital*'.

As sole ruler A.H. 792–795. Gold coins of this period are scarce. The gold *tunkah*, No. 804, though bearing Muḥammad's name, is dated A.H. 825, and was not struck by him but by Mubārak II. It is the only known gold coin of that sovereign prior to the issue of coins in his own name in A.H. 832.

No silver coin is traceable, though Thomas records a coin of A.H. 793 in the cabinet of Mr. E. C. Bayley,¹ and one of A.H. 794 is mentioned, without any reference, by Mr. Nevill in N. S. xxxv, p. 180. Silver coins, with Muḥammad's name and superscription were, however, issued by later Sultāns for their own use, the date only being changed—e.g. No. 803 is one struck in A.H. 818 by **Khizr Khān**, the first of the Sayyid Kings. It thus seems probable that there was a previously existing model issued by Muḥammad himself. That Sultān's evident interest in the coinage also points to him, rather than his son Maḥmūd II, as the person responsible for the revival of a pure silver currency. The higher weights of the posthumous coins, both gold and silver, may be noticed.

In billon we get coins of 96, 80, and 32 *ratīs*. Four of the 80-*ratī* billons have been assayed (App. B) and show a silver content of 27.84 grains, thus corresponding closely to the billon *tankahs* of Faṭḥ Khān and Firūz. But with the restoration of a silver coinage and the

¹ Mr. Bayley's coins went to the Hermitage Museum, Leningrad, but I have been unable to trace this coin.

MUHAMMAD IV introduction of a 96-rati billon, the importance of the 80-rati piece disappeared and it presumably represented no more than its intrinsic value indicates—viz. a sixth of the silver coin, i.e. a *hashtgānī*.

In copper Muhammad made large use of the *fulūs* of 40 ratis, which, with the reappearance of the silver *tankaḥ*, must have reverted to its original value of one-fourth of a *jital*.¹ He also popularized a double *fulūs* i.e. a half *jital* (No. 825-8). These were the two principal coins in circulation, but we get in addition the 32-rati piece (five of which went to four 40-rati *fulūs*) and several smaller coppers down to 16 grains.

SIKANDAR I

SIKANDAR I

Of Sikandar, Muhammad's son, who was only on the throne for forty-five days, no gold or silver coins are known, but considering the shortness of the reign a very full series of the lower value coins was issued. There are billons of 80 and 32 ratis and in copper the 40-rati *fulūs* with its double (No. 846), half, and quarter.

MAHMUD II

MAHMUD II

The reign of Mahmūd, son of Muhammad IV, was a stormy one. In A.H. 797 a rival Sultān was put up in Nuṣrat Shāh, son of Fath Khān, and for several years these two watched each other from different parts of Dehli, while the rest of the empire was ruled, in practical independence, by various nobles. When Timūr invaded India and sacked Dehli in A.H. 801 Mahmūd made good his escape and did not return till A.H. 804. From then till A.H. 808 the real ruler in Dehli was Mulla Iqbāl Khān, and for a time Mahmūd retired to the fief of Qanauj. After Iqbāl Khān's death Mahmūd was recalled to Dehli, where he remained under Daulat Khān's control till he died in A.H. 815.

Thomas records no gold *tankaḥs* of Mahmūd, but three types have since come to light. Of these No. 848 D, which is unique, seems to have been the first issue and to have been superseded by No. 849 which in its turn gave way to No. 850. These two only differ in the 'Kunyat' of the Sultān. At some date, perhaps about A.H. 800, there was a revision of the gold and silver coin weights. Gold coins of A.H. 797 and 799 are of normal weight—168 and 171 grains respectively, but the British Museum coin of A.H. 800 (see No. 850) weighs 174.2 grains. Similarly in silver No. 850 A of A.H. 795 weighs 164.8 grains, while two pieces of A.H. 815 in the British Museum of the type of No. 851 weigh 171 and

¹ Or was it still known as a *jital*? In Bijānagar the principal copper coin in the middle of the ninth century A.H. was termed a *jital*. It was a third of the silver coin (*dir*), which itself was a sixth of a gold *ṣanām*, twenty of which went to a gold *varāḥa*. (E. D. iv, p. 109.)

172 grains and N.S. xxxv records a specimen of A.H. 814 of the same type as weighing 174 grains. Gold coins of the rival Sultan Nusrat Shah dated A.H. 803 weigh 167 and 171.1 grains (see No. 271). But shortly after the revision, gold and silver, so far as our knowledge goes, disappeared from the currency. Nor do they reappear for over thirty years in the case of gold—with the solitary exception of No. 304—in the case of silver till A.H. 814 when, if Mahmūd was alive,¹ he was at any rate but a figurehead, and the real government was in the hands of Daulat Khan. This hiatus was doubtless due to the depletion not only of the State Treasury but of precious metals throughout the country generally that resulted from the invasion of Timūr in A.H. 801.

The metrology of the first half of the ninth century is complicated. There is nothing to guide us but the coins themselves. We have found, on evidence that appears to us convincing, that in the seventh and eighth centuries the *tankah* of Delhi (as distinct from that of the Dakhan) consisted of 96 *ratīs* and was divided into 48 *ḡulās*, each *ḡulā* being worth 4 copper *fulās*. When the coinage was not a token one, the evidence indicates that it was tri-metallic, each metal exchanging with the other in accordance with its value. In an autocratic state like Delhi the will of the Sultān would be able to fix ratios without regard to the temporary fluctuations of the market. The normal gold to silver ratio was 1:10—ten silver *tankahs* exchanged for one gold *tankah*—and in the article reprinted in App. B it has been shown that the normal copper to silver ratio was probably 80:1, the copper coin of 40 *ratīs* or 72 grains being the standard *fals* of which four went to the *ḡulā*. Thus a silver *tankah* of 172.8 grains would be equivalent to 13,824 grains of copper.

But in the time of Akbar a rupee of 178 grains was equivalent to only about 12,940 grains of copper (40 *dāms* of 323.5 grains) and this would mean a ratio of about 1:72. Thus copper appreciated in terms of silver. What the ratio was in Mahmūd's time we have no information. All we know is that the weights of his gold and silver coins are increased but that the weights of his copper coins remain stationary. We still get the pieces of 80 *ratīs* (144 grains), 40 *ratīs* (72 grains), and 20 *ratīs* (36 grains), whatever their names may have been. There are no grounds for thinking that there was any change in the subdivisional system of the currency. There seems little doubt, therefore, that the value of silver had fallen in terms of copper—in other words, while hitherto 13,824 grains of copper had normally exchanged for 172.8 grains of silver, at this period they were equivalent to a larger quantity.

Another outstanding feature of Mahmūd's revision was the discontinuance of the billon coinage. We get no dated billon pieces of Mahmūd

¹ G. H. I. iii, p. 204, gives February 1418 (A.H. 815) as the date of his death. Forishta puts it in A.H. 814.

MAHMŪD II

later than A.H. 796, and his undated 32-*raṭī* billon is known from so few specimens that the issue of that coin too was probably confined to the early years of the reign. Thus the revision must have taken effect well before Timūr's invasion had its disastrous effect on the Dehli currency, and was therefore independent of it. Nuṣrat Shāh, Maḥmūd's contemporary, and Mubārak Shāh, who reigned from A.H. 824 to 837, followed Maḥmūd's example and issued, so far as we know, no billon coins in their own name. At the same time we do get instances of Firūz Shāh's billon *tankaḥs* struck in a number of years between A.H. 801 and 880 (see under No. 689), but they were apparently subsidiary to and not part of the official currency, and they were no longer *tankaḥs*, unless they retained that name while the revived silver coins received a new designation.¹ As the *tankaḥ* was, after A.H. 727, a coin of descending value till it became a copper piece under Akbar, this does not seem unlikely.

Attention may be drawn to two unique coins—the double *fulūs* of the 'Dāru-l-mulk Dehli' type (No. 861 A) and the tiny coin (No. 871 A) of 9 grains which must have been an eighth of a *fulūs*. We have to go back to Īltutmish for such minute coins. Maḥmūd also continued Muḥammud IV's 32-*raṭī* copper pieces (No. 870).

NUṢRAT

NUṢRAT

Catalogue

No.

874-880

Pages

214-217

Nuṣrat Shāh, who was a son of Faṭḥ Khān and grandson of Firūz III, was put forward as a claimant to the throne in A.H. 797 and for that and the following four years his coins issued alongside those of Maḥmūd. Both issued coins ضرب بسم الله. After the invasion of Timūr in A.H. 801 Nuṣrat reoccupied Dehli but is not heard of after A.H. 802. Gold *tankaḥs* of Nuṣrat are exceedingly scarce, and were probably struck for special occasions rather than for circulation. No silver or billon coins are known.

In copper there are three varieties of the double *fulūs*, including the rare coin with دار الملك دہلی reverse (No. 876 B), several varieties of the *fulūs* and a half *fulūs*.

¹ Was it now that the silver coin came to be known as a rupee (روپیہ)? Abūl Faṣl says that it was first introduced by Sher Khān and I have not been able to find any reference to the rupee earlier than Sher Shāh, but the increase in weight of the silver and gold coins of this period, which was emphasized by the Sūris, is not without significance. Incidentally Mr. J. Allan has pointed out that the word 'rūpaka' was in use as the name of a coin in the eleventh century (*Epigraphia Indica*, vol. xiv, p. 309). It may even be that the term '*tankaḥ*' was also discontinued about this time for the gold coin. In the *Malfūzāt-i-Timūrī* it is recorded that at the sack of Dehli Timūr found '*ashrafs*, gold and silver *tankaḥs* of the celebrated 'alāi coinage &c. . . ' (E. D. iii, p. 446). The author thus rather significantly discriminates between *ashrafs* and gold *tankaḥs* (by which term the gold coins of 'Alāu-d-dīn Muḥammad Khālji are correctly described), and incidentally introduces to us the name of the gold coin—a name which Bābur also applied to the gold of the Dehli Sultāns and which has survived to modern times.

SAYYIDS

No.	Mint Date	Obverse	Reverse
<p style="text-align: center;">MUBĀRAK SHĀH II</p> <p style="text-align: center;">A.H. 824-837. A.D. 1421-1434. MUBĀRAK II</p>			
GOLD			
<i>N</i> 880 A*	Dehli — 5	<p style="text-align: center;">في عهد السلطان الغازي المتوكل على الرحمن مبارك شاه سلطان</p> <p>Wt. 164. S. .75.</p> <p><i>Ref.</i> B.M. (1929).</p>	<p style="text-align: center;">In circle</p> <p style="text-align: center;">انا فتحنا لك فتح مبين</p> <p style="text-align: center;">Around</p> <p style="text-align: center;">ضرب هذا الدينار بحضرت دهلي سنة خمس</p> <p style="text-align: right;">Pl. XXI.</p>
SILVER			
<i>R</i> 881	— 83—	<p style="text-align: center;">As on 803 a, but ۸۳—</p> <p>Wt. 170.7. S. .85.</p> <p><i>Dates observed:</i> 833 (Th.), 834 (N.S. xxxv), 835, 837 (Th.).</p>	<p style="text-align: center;">في عهد السلطان الغازي المتوكل على الرحمن مبارك شاه (السلطان)</p> <p style="text-align: right;">Pl. X.</p>
COPPER			
<i>E</i> 882*— 883	Dehli 834	<p style="text-align: center;">In circle</p> <p style="text-align: center;">شاه مبارك</p> <p style="text-align: center;"><i>Margin</i></p> <p style="text-align: center;">سلطان حضرت بحضرت دهلي</p> <p>Wt. 164.6; 164. S. .75.</p>	<p style="text-align: center;">المومنين نائب امير ۸۳۴</p> <p style="text-align: right;">Pl. X.</p>

*Note to 880 A. The legend on the reverse is a quotation from the Qur'an, Chap. 48, verse 1. 'Verily we have won for thee a manifest victory.' For an earlier gold *tanka* struck by Mubarak, see No. 801.

*Note to 882. This is Th. 283, erroneously listed as billon.

MUBĀ-
RAK II




No.	Mint Date	Obverse	Reverse
Æ 884- 886	Dehli 835	As on 882. Wt. 170; 165.5. S. .75.	As on 882, but A ³⁰
<i>Dates observed: 832 (N.S. xxxv), 833 (Th.), 834, 835, 836 (N.S. xxxv) 837 (Th.).</i>			
887- 888	Dehli <i>Daru-l- mulk</i> 833	In circle مبارك شاه سلطان Wt. 83.9. S. .6.	In circle دار الملك دهلي A ³¹
889- 890	" 835	" Wt. 86.7; 82.3. S. .6.	but " A ³⁰
891- 892	" 836	" Wt. 86; 85.7. S. .6.	but " A ³¹
893	" 837	" Wt. 82.2. S. .6.	but " A ³¹
894	" 838	" W. 81.2. S. .6.	but " A ³¹ (Posthumous?)
<i>Dates observed: 832 (Th.), 833, 834 (Th.), 835, 836, 837, 838.</i>			
894 A	Dehli —	شاه مبارك Wt. 42. S. .45. <i>Ref. Thomas 290—B.M.C. 455.</i>	بحضرت دهلي

No.	Mint Date	Obverse	Reverse
Æ		<i>Posthumous</i>	
895	Dehli <i>Daru-l-mulk</i> 854	As on 887, but the ن of سلطان cuts through the لطا Wt. 84.4. S. .55.	As on 887, but A.S. ²
		<i>Dates observed: 854, 855 (H. R. N.)—issued by Bahlul Lodi.</i>	
896	" 854	سلطان مبارك شاه Wt. 70.8. S. .5.	As on 895.
		MUHAMMAD V BIN FARID	
		A.H. 837-849.	A.D. 1434-1445.
A		GOLD	
* 897*	— 845?	As on 803 C, but A.S. ² Wt. 173.8. S. .75 × .8.	السلطان الاعظم ابو محمد محمد شاه فرید شاه شاه بن بن خضر السلطان Pl. XI.
		<i>Dates observed: 841 (I.M.C., wt. 174.8), 843, 844, 845 (H. R. N., wt. 175.15).</i>	
AR		SILVER	
897 A	— 839	As on 897, but A.S. ¹ Wt. 169.5. S. .85. Ref. B.M.	As on 897.
		<i>Other dates: 841 (B.M.), 844 (H. R. N., wt. 173.17), 846 (Th., wt. 175), 847 (B.M.)—weights up to 175 grs.</i>	

*Note to 897. Thomas gives 176 grs. as the weight of his specimen (No. 291).

No.	Mint Date	Obverse	Reverse
MUHAM- MAD V	B	BILLON	
898	Dehli 843	الخليفة امير المومنين خلدت خلافتہ ۸۴۳ Wt. 144.8. S. .75.	سلطان محمد شاه فرید شاه خضر شاه دہلی حضرت
899	" 844	but " ۸۴۴ Wt. 142.7. S. .75.	"
900- 901	" 845	but " ۸۴۵ Wt. 145.5; 143. S. .75.	" Pl. XI.
902	" 846	but " ۸۴۶ Wt. 143.5. S. .75.	"
903	" 849	but " ۸۴۹ Wt. 144.1. S. .75.	"
<i>Dates observed: 841 (N.S. xxxv), 842 (Th.), 843, 844, 845, 846, 847, 848, 849.</i>			
904- 905	" —	الخليفة المومنين امير خلدت خلافتہ Wt. 57.2; 55.5. S. .55.	سلطان محمد شاه بن فرید شاه حضرت دہلی

No.	Mint Date	Obverse	Reverse
<p style="text-align: center;">Æ MUHAMMAD V</p> <p style="text-align: center;">COPPER</p>			
905 A	Dehli 837	<p>In circle شاه محمد</p> <p><i>Margin</i> سلطان [فریت بھارت] دہلی</p> <p>Wt. 170.5. S. .7.</p> <p><i>Ref.</i> B.M.</p> <p><i>Dates observed:</i> 837, 838 (171.8 gra.), 840 (165 gra.). All in B.M.</p>	<p>المومنین نائب امیر ۸۳۷</p>
905 B	839	<p>As on 905 A.</p> <p>Wt. 130.3. S. .65.</p> <p><i>Ref.</i> B. M.</p> <p><i>Dates observed:</i> 839 (B.M.), 840 (N.S. xxxv), 844 (Th., 136 gra.), 846 (N.S. xxxv).</p>	<p>As on 905 A, but ۸۶۱ (<i>sic</i>)</p>
906-907	Dehli <i>Dāra-l-mulk</i> 837	<p>محمد شاه سلطان</p> <p>Wt. 86.1; 80. S. .6 × .55.</p>	<p>دار الملک دہلی ۸۳۷</p>
908	" 838	<p>"</p> <p>Wt. 88.4. S. .6 × .55.</p>	<p>but ۸۳۸</p>
909	" 839	<p>"</p> <p>Wt. 81. S. .6 × .55.</p>	<p>but ۸۳۹</p>

No.	Mint Date	Obverse	Reverse
MUHAM- MAD V	Æ		
910*	Dahlī <i>Dāru-l- mulk</i> 841	As on 906. Wt. 70.6. S. .6 × .55.	As on 906, but A ⁹¹
911	" 841	but "  The  cuts across the tops of  Wt. 84.7. S. .6 × .55.	" Pl. XI.
912- 913	" 843	" Wt. 74.2; 80.5. S. .6 × .55.	but " A ⁹²
914	" 844	" Wt. 79.2. S. .6 × .55.	but " A ⁹³
915	" 845	" Wt. 83.3. S. .6 × .55.	but " A ⁹⁴
916	" 846	" Wt. 85. S. .6 × .55.	but " A ⁹⁵
		<i>Dates observed: 837, 838, 839, 840 (H. R. N.), 841, 842 (H. R. N.), 843, 844, 845, 846, 847, 848 (H. R. N.), 849 (N.S. xxxv).</i>	
916A	" —	In double circle as on 906. Wt. 70.6. S. .55. <i>Ref. B. M. C., 466, and L.M.C., 626 (67.5 grs.).</i>	In circle as on 906, but without date.

*Note to 910. Cp. I.M.C., 537 which is a similar light weight coin (70.5 grs.) of this year. L.M.C. (No. 621) gives a coin of 842 of 68 grs. B.M. has a coin of 847 weighing 70.7 grs.

No.	Mint Date	Obverse	Reverse
		<p>‘ĀLAM SHĀH</p> <p>A.H. 849-855. A.D. 1445-1451.</p> <p>SILVER</p>	<p>‘ĀLAM SHĀH</p>
R 916 B	— 852	<p>As on 803 c, but ٨٥٢</p> <p>Wt. 175. S. .8.</p> <p>Ref. N.S. xxvi, p. 483.</p>	<p>سلطان عالمشاه بن علا الدنيا والدين محمد شاه بن شاه فرید</p>
B 917	Dehli 851	<p>الخليفة امير المومنين خلدت خلافته ٨٥١</p> <p>Wt. 142.6. S. .7.</p>	<p>سلطان عالمشاه بن محمد شاه بحضرت دهلي</p> <p>Pl. XI.</p>
918	" 852	<p>but " ٨٥٢</p> <p>Wt. 145.5. S. .7.</p>	"
919	" 853	<p>but " ٨٥٣</p> <p>Wt. 148.1. S. .7.</p> <p>Dates observed: 851, 852, 853, 854 (H. R. N.).</p>	"
920	—	<p>الخليفة المومنين امير خلدت خلافته</p> <p>Wt. 56.3. S. .5.</p>	<p>" but with بن to right of محمد (off this coin).</p> <p>Pl. XI.</p>

No.	Mint Date	Obverse	Reverse
COPPER			
921*	Dehli ?	In circle عالمشا - <i>Margin</i> [سلطان ضرمت بختت] دہلی Wt. 134.5. S. .6.	المومنين نائب امير ... Pl. XI.
Recorded dates: 852, 853, 854 (Thomas 300 and N.S. xxxv, p. 194. 4) and ? 850 (I.M.C. 543).			
922	Dehli Dāru-l- mulk 852	In circle عالمشا سلطان Wt. 70.8. S. .55.	دار الملك دہلی ۸۵۲ Pl. XI.
923*	" 854	" Wt. 66.8. S. .6.	" but ۸۵۲
Dates observed: 850, 851, 852, 853, 854 (Thomas 301 and N.S., xxxv, p. 194. 5).			

***Note to 921.** H.R.N. lists a coin of this type weighing 145 gra.

*Note to 923. B.M.C. 478 (of 854) weighs 73.5 gra.

SAYYIDS

MUBĀRAK II

MUBĀ- RAK II

Daulat Khān Lodī, whose advance to the throne followed naturally on the death of Maḥmūd, and his successor Khizr Khān Sayyid, refrained from exercising the royal privilege of striking coins in their own names, and their example was followed by Mubārak Shāh during the first eight years of his reign. They preferred to maintain types of coin that had become popular in the recent past, merely altering the dates on them. Billon *tankahs* and copper '*jitals*' of Firūz III, silver coins of Muḥammad IV and Maḥmūd and gold of Muḥammad IV were, as we have seen, brought into requisition. In A.H. 832, however, Mubārak initiated a coinage of his own. His silver coins retained the weight standard of Maḥmūd. Thomas gives 174 grains as the weight of a coin of A.H. 835 and a similar weight is recorded in the Lucknow Catalogue for a coin of A.H. 837 and, though coins of lesser weight are not uncommonly met with, they are usually in poor condition. The gold coin of A.H. 825 (No. 804) also conforms to the higher standard. On the other hand, the only gold piece known of Mubārak's coinage in his own name (No 880 A) weighs 164 grains only and cannot have lost more than a few grains. This would seem to indicate an appreciation of gold in terms of silver, a gold coin of about 170 grains being now sufficient exchange for ten silver coins of higher weight.

Catalogue
Nos.
880 A-896
Pages
231-233

But the chief feature of interest is the revision of the weights of the copper coins. Instead of the normal 40-*rati fulūs*, which had subsisted since the days of Iltutmish, and its double the 80-*rati* coin which Firūz III had first struck, we find 48-*rati* (86.4 grains) and 96-*rati* pieces. This would make the old *jital* of 4 *fulūs*—of which 48 went to the *tankah*—equivalent to 345.6 grains of copper (86.4×4), instead of 288, and Mubārak's silver coin, though not advanced in weight, worth 16,588.8 ($86.4 \times 4 \times 48$) grains of copper instead of the 13,824 grains of Maḥmūd's time. But we have seen that copper under Maḥmūd was an appreciating metal. It is hardly conceivable that it should have depreciated, and to such an extent, a few years later. It is suggested, therefore, that the silver rupee (or whatever its name was) was now divided into only 40 parts instead of 48. On this assumption the silver coin would still be equal to 13,824 grains of copper ($86.4 \times 4 \times 40$) as in the reign of Maḥmūd. Lest this solution appear to be too arbitrary, let it be noted that the division of the rupee into forty copper *dāms* of about 323.5 grains was well established in the time of Akbar; that Abū-l-Faḥl

**MUBĀ-
RAK II**

traces the *dām* back—though somewhat inaccurately, as we shall see—to the time of Bahlūl Lodi; and that Sikandar Lodi's *tankahs* admittedly conformed to a similar scale, representing twenty to the rupee.

Mubārak issued no billon coins. In copper besides the *fulūs* and the double *fulūs* which are well known, he also struck a half *fulūs* of 24 *ratīs*, which is much rarer (No. 896 A).

**MUḤAM-
MAD V**

MUḤAMMAD V

Catalogue
Nos.

897-916 A

Pages

233-236

The absence of billon coins, so useful as fractions of the *tankah*, had evidently caused inconvenience, and it is no surprise to find Muḥammad, Mubārak's successor and the son of his brother Farid, resuming coinage in the traditional mixed metal. In doing so he reverted to 80 *ratīs* as the weight of his principal billon coin, abandoning the 96-*ratī* piece for that metal. The time-honoured 32-*ratī* coin also reappears.

Muḥammad's gold and silver *tankahs* are definitely heavier than those issued by his predecessor. Similarly the weight of the larger billon pieces appreciably exceeds the maximum of 80 *ratīs* = 144 grains which we have hitherto found maintained for these coins. Rodgers (Lāhor, p. 109) records ten such pieces of an average weight of over 147 grains and several of those here catalogued are over 144 grains. The smaller billons also, if we allow for reasonable wear and tear, must have exceeded 57.6 grains. In copper too we find an excess in the 48-*ratī fulūs*, specimens of which weigh over 88 grains—instead of a normal maximum of 86.4 grains—and the double *fulūs* (No. 905 A) of 170.5 and 171.8 grains have obviously lost more than the difference between their present weights and the 172.8 grains hitherto the equivalent of 96 *ratīs*. Thus there was a simultaneous increase in weight in the coins of all metals.

What is the solution of this metrological puzzle? Was there an alteration of the official weight of the Dehli *tolah* and consequently of the *ratī*? This appears to be the most reasonable explanation. Muḥammad would thus maintain the old tradition that the standard weight of the principal gold and silver coins should be a *tolah*. The weight of the *ratī* hitherto assumed—1.8 grains—has been supported by the numismatic evidence. And now too it is the coins that show that this reckoning can no longer be applied. Under Akbar we find that the *tolah* weighed approximately 185.5 grains¹ with a *ratī* of about 1.93 grains. We think that the evidence of the coins would not justify so high a rate under Muḥammad bin Farid. Accordingly, it is suggested that the Dehli *tolah* was advanced to

¹ See Prof. Hodivāla's article on 'The Weight of the Mughal *tolah*' in his 'Historical Studies in Mughal Numismatics' published by the N. S. I. in 1928.

180 grains¹—incidentally the weight of the modern official *tola*—**MUHAM-**
with a *rati* of 1.875 grains. At these weights the coin of 96 *ratis*²—for **MAD V**
there is no reason to suppose that the number of units into which the
tanka was divided had changed—should weigh 180 grains, a piece of
80 *ratis* 150 grains, the *fulūs* of 48 *ratis* 90 grains and a piece of 32 *ratis*
60 grains. With this scale the coins of Muḥammad bin Farīd, with due
regard to wear and tear, fall in satisfactorily. It may be noted that the
gold and silver coins resume their equality in weight and presumably
the 10:1 ratio of exchange is maintained. The silver coin of 180 grains
would be equivalent to 14,400 grains of copper ($90 \times 4 \times 40$) and the
copper to silver ratio would still be retained at 80:1.

The copper coins indicate that the division of the *tanka* into 40 parts
introduced by Mubārak was continued. Two of them, however, call
for remark. No. 905 B, weighing 180.3 grains, cannot be the same
denomination as the double *fulūs* No. 903 A which it resembles but
which weighs over 170 grains. Thomas (*Chron.*, No. 294) records a
similar coin weighing 136 grains and in N.S. xxxv (p. 192) a weight
of 140 grains is accorded to this type, though no reference to any
particular coin is given. The other coin is No. 916 A weighing only
70 grains. Its obverse agrees in arrangement with Nos. 906–916,
dated coins of Muḥammad V, but the weight does not fit well into that
Sultān's copper currency. They can hardly be coins of Muḥammad IV
for on these محمد شاه is always found below سلطان. Moreover similar
light *fulūs* are known dated A.H. 841, as well as coins of that year of
the normal heavier weight. Possibly they are 80- and 40-*rati* pieces
struck for use in a part of the empire, e.g. Jaunpūr, where the new
Dehli *tola* weight was not in force.³

In vol. iii of the *Cambridge History of India* (p. 690) the date of
Muḥammad's death is given as A.D. 1444, A.H. 847. The *Tārīkh-i-Mubārak*
Shāhī gives it as A.H. 849. With this Ferishta agrees. Badauni says
A.H. 847. It will be noted that the coins support the later date.

'ĀLAM SHĀH

'Ālam Shāh, in order perhaps to escape the pressure of Bahlūl Lodi,
who was governor of Lāhor and Sarhind, and did not recognize the
new Sultān, moved his capital to Badāun (Budaon) in Rohilkhand.

'ĀLAM SHĀH

Catalogue
Nos.
916 B–923
Pages
237–238

¹ This is only an assumed weight for the new *tola* and *rati* just as 1.8 grains was
assumed as the weight of the earlier *rati*. A *rati* of 1.85 grains with a *tola* of 176.6 grains
would fit in with the coins almost equally well but I think the higher weight is to be
preferred. It is all a question of the allowance to be made for wear and tear.

² It will be remembered that Ferishta says that the *tanka* of 'Alau-d-dīn Khaljī
weighed a *tola* and Bābur found an Indian *tola* of 96 *ratis*.

³ See also p. 260.

**'ĀLAM
SHĀH**

Bahlūl's occupation of Dehli, however, was not long deferred, and 'Ālam Shāh thereupon resigned his throne to the invading governor, on condition of being allowed to reside in Badāūn, where he died in A.H. 883.

No gold coin of 'Ālam Shāh is known and only a single example of his silver *tankah*. In billon there are still only 80- and 82-*ratī* pieces as in the preceding reign and in copper a *fulūs* and double *fulūs*.

Recorded weights support the suggestion made earlier of an official *tola* and *ratī* of higher weight. But we find a reversion to copper coins of the old 40- and 80-*ratī* standard instead of the 48- and 96-*ratī* pieces, introduced by Mubārak—indicating a still further appreciation in the value of copper.

LODĪS

No.	Mint Date	Obverse	Reverse
		BAHLŪL SHĀH A.H. 855-894.	BAHLŪL A.D. 1451-1489.
B		BILLON	
924*	Dehli 856	<p>لے زمن المومنین امیر خلدت خلافت ۸۵۶</p> <p>Wt. 144.5. S. .7.</p>	<p>المتوکل علی الرحمن بہلول شاء سلطان بھمرت دہلی</p>
925	" 857	<p>but " ۸۵۷</p> <p>Wt. 145.5. S. .7.</p>	"
926	" 858	<p>but " ۸۵۸</p> <p>Wt. 148.1. S. .7.</p>	"
927- 928	" 859	<p>but " ۸۵۹</p> <p>Wt. 143.5; 145.5. S. .7.</p>	"
929	" 860	<p>but " ۸۶۰</p> <p>Wt. 143.8. S. .7</p>	"

*Note to 924. The silvery character of these earlier billons is noticeable.

RAHUL	No.	Mint Date	Obverse	Reverse
	B			
	930	Dehli 863	As on 924, but "AVP" Wt. 143.7. S. .7.	As on 924.
	931	" 873	but "AVP" Wt. 146. S. .7.	"
	932	" 875	but "AVP" Wt. 144.3. S. .7.	"
	933	" 876	but "AVP" Wt. 145.3. S. .7.	"
	934*	" 884	but "AAV" Wt. 132.6. S. .7.	"
	935	" 886	but "AAV" Wt. 141.4. S. .7.	"
	936*	" 893	but "AVP" Wt. 140.7. S. .6.	"

*Note to 934 and 936. Specimens in the B.M. of these dates weigh 140 and 146.8 gra. respectively.

No.	Mint Date	Obverse	Reverse
B 937	Dehli 894	As on 924, but ^{٨٩٤} Wt. 140.3. S. .6. <i>Dates observed :</i> 856, 857, 858, 859, 860, *861, 862, 863, 864, 865, 866, 872, 873, 874, 875, 876, 877, 878, 879, 880, 881, 882, 883, 884, 885, 886, *887, 888, 889, 890, *891, 892. (Cf. Th. and N.S. 35.) * Since acquired for Dehli.	As on 924. BAHLUL
937 A	" —	As on 938. Wt. 130. S. .7. Ref. R. L. 21 (Lahor, p. 112. 4).	As on 938.
938- 941	" —	الخليفة المومنين امير خلدت خلافته Wt. 60.6; 56.7; 57.5 (2). S. .55.	بہلول شاہ سلطان بجھرت دہلی Pl. XI.
941 A	(Dehli) 865	As on 938, but below (^{٨٦٥}) Wt. 56. S. .55. Ref. R. (Lahor), p. 112. 7.	As on 924, but last line missing.
941 B	857	" ^{٨٥٧} m.m. 4. Wt. 56. S. .6. Ref. R. (Lahor, p. 113. 8).	سکہ بہلول شاہ سلطان

No.	Mint Date	Obverse	Reverse
BAHLÖL	Æ	COPPER	
942	Dehli 869	In circle بہلول شاہ <i>Margin</i> سلطان غریب [بھرت] دہلی Wt. 137.8. S. -65.	المومنین نائب امیر ۸۶۹
943	" 873	" Wt. 142.7. S. -65.	but " AVP
			Pl. XI.
944	" 877	<i>Margin</i> " ... سلطان Wt. 140.8. S. -65.	but " AVV
945	888	" <i>Margin obliterated.</i> Wt. 139.2. S. .7.	but " AAA
946*	890	" Wt. 110.5. S. -65.	but " A1.
947	893	" Wt. 109.6. S. -65.	but " A1P
<i>Dates observed:</i> 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 882, 887, 888, 889, 890, 892, 893, 894 (I.M.C.).			

*Note to 946. A coin of this date in the B.M. weighs 134.5.

No.	Mint Date	Obverse	Reverse
Æ 948*- 949	Dehli <i>Dārū-l- mulk</i> 855	بهلول شاه سلطان Wt. 86.2; 80.5. S. .6.	دار الملك دعلى ۸۵۵ BAHLŪL Pl. XI.
950	" 856?	" Wt. 83.2. S. .6.	but " ۸۵۱?
951	" 857	" Wt. 85.3. S. .6.	but " ۸۵۷
952- 953	" 865	" Wt. 71; 70.6. S. .6.	but " ۸۶۵
954	" 867	" Wt. 71.8. S. .6.	but " ۸۶۷
955- 956	" 868	" Wt. 72; 70.5. S. .6.	but " ۸۶۸
957	" 871	" Wt. 69.5. S. .6.	but " ۸۷۱
958	" 876	" Wt. 71. S. .6.	but " ۸۷۶

*Note to 948. R. (Lāhor, p. 112, 5A) gives coins of this type dated 823 and 862!—presumably errors for 868 and 862.

No.	Mint Date	Obverse	Reverse
BAHLŪL 959	Dehli <i>Dārū-i-mulk</i> 877	As on 948. Wt. 67.2. S. .6.	As on 948, but AVV
960	" 878	" Wt. 71.6. S. .6.	" AVA
<p><i>Dates observed :</i> 855, 856, 857, 858, 859, 860, 861, *862, *863, 864, 865, 866, 867, 868, 869, 870, 871, 872, 873, 874, 875, 876, 877, 878, 879, 882, 884, 887, 888 (Th. no. 313 and N.S. xxxv, p. 196).</p> <p>* B.M. specimens of 862 and 863 weigh 65.8 and 68.6 grains respectively. I.M.C. 573 of 863 weighs 72 grains.</p>			
960A	" —	As on 948. Wt. 70.5. S. .5. <i>Ref. B.M. and L.M.C., 658.</i>	As on 948, but apparently without date.
960B*	886	As on 938, but below AAV Wt. 67. <i>Ref. Thomas 314.</i> <i>Dates recorded :</i> 868, 886, 889, 893, 894.	بهلول شاه سلطان
961	Jaunpūr (<i>Shahr</i>) 888	As on 948. Wt. 66.9. S. .55.	شهر جونپور AAA

*Note to 960A. This type is included with hesitation. It is difficult not to be a little sceptical about its existence. In spite of the numerous dates given by Thomas for it, no such coin can be traced either in the B.M., I.M., L.M. or Lahor collections, nor has any found its way into the larger private collections that I have examined. Thomas's own coins went to the B.M. The type, moreover, is not a copper one. Cf. No. 941 z.

No.	Mint Date	Obverse	Reverse
Æ 962	Jaunpūr (Shahr) 889	As on 948. Wt. 64.8. S. .55.	As on 961, but AAI BAHLŪL
963	" 890	" Wt. 63.6. S. .55.	" AI.
964- 965	" 893	" Wt. 58.4; 54.3. S. .5.	" AI? Pl. XI.
966	" 894?	" Wt. 63.3. S. .55.	" AI?
<p><i>Dates observed:</i> *878 (R. Lāhor, p. 112. 3), 888, 889, 890, 891, 892 (N.S. xxxv, p. 197. 11), 893, 894.</p>			
966 A	Dehli —	بہلول شاہ سلطان Wt. 37. S. .55. Ref. R. (Lāhor), p. 113.	حضرت دملی
966 B*	—	الخليفة المومنين امير Wt. 38. S. .4. Ref. R. (Lāhor), p. 113. 10.	شاہ ل بہلو سلطان

*Note to 966. A doubtful date.

*Note to 966 B. If this is the coin figured in R. III. 80 its attribution to Bahlul is doubtful. It is not unlike a coin of Siband & Lodī

No.	Mint Date	Obverse	Reverse
SIKANDAR II		SIKANDAR SHĀH II A.H. 894-923. A.D. 1488-1517.	
B		BILLON	
967	Dehli 894	في زمن المومنين امير خلدت خلافته ٨٩٤ Wt. 145.7. S. .65.	Type A. المتوكل على الرحمن سكندر شاه بہلول شاه سلطان [بحسرت دہلی]
968-969	" 895	but " ٨٩٥ Wt. 139.7; 141.5. S. .6.	"
970-971	" 896	but " ٨٩٦ Wt. 144.7. S. .7.	"
972	" 897	but " ٨٩٧ Wt. 141.5. S. .65.	سلطان " below بحسرت
973-974	" 898	but " ٨٩٨ Wt. 12.6. S. .65.	As on 967.
975	" 899	but " ٨٩٩ Wt. 146. S. .65.	"

No.	Mint Date	Obverse	Reverse
B 976	— 900	As on 967, but 1.. The mint is absent from this type, and the script is angular. Wt. 143.6. S. .7.	Type B. As on 967.
977- 978	Dehli 901	As on 967, but 1.1 Wt. 142.1; 137.8. S. .75; .7.	Type A. As on 967. سُلطان below تخت Pl. XI.
979- 980	" 902	but 1.2 Wt. 140.6; 142.3. S. .75.	"
981 (2)	" 903	but 1.3 Wt. 142.5. S. .75.	On one تخت دہلی
982- 983	" 904	but 1.4 Wt. 140.8; 137.5. S. .7.	Traces of تخت below سُلطان on one.
984- 985	— 906	but 1.5 Star (m.m. 4) to right of خلد Wt. 140.8; 141.5. S. .7.	Type B. As on 976.
986	— 907	but 1.6 m.m. 3. to right of خلد Wt. 139.5. S. .7.	"

SIKAN-
DAR II

	No.	Mint Date	Obverse	Reverse
SIKAN- DAR II	B 987	— 908	As on 967, but 1.4 Wt. 141.6. S. .7.	Type B. As on 976.
	988- 989	— 909	but 1.4 Wt. 139.6; 141.9. S. .7.	"
	990	— 912	but 1.4 No mark visible. Wt. 139.4. S. .75.	"
	991*- 992	— 913	but 1.4 m.m. 32 over خ of خلد on one. Wt. 139.4; 140.8. S. .7.	"
	993- 994	— 914	but 1.4 No mark visible. Wt. 141.8; 139.8. S. .7.	"
	995- 996	— 915	but 1.4 m.m. 92 to right of خلد Wt. 138.3; 135.7. S. .7.	"

Pl. XI.

*Note to 991. Many of the coins after 912 have some letters or symbol to the right of the date—probably indicating the mint.

No.	Mint Date	Obverse	Reverse	
B 997	— 916	As on 995, but ١١٦ Wt. 141. S. .7.	Type B. As on 976.	SIRAN- DAR II
998- 999	— 917	but ١١٧ and without m.m. 92. Wt. 138.5; 137. S. .7.	"	
1000- 1001	— 918	but ١١٨ Wt. 138.4; 138.3. S. .7.	"	
1002- 1003	— 919	but ١١٩ Wt. 139.1; 137.8. S. .7.	"	
<i>Dates observed :</i>				
Type A is known of all dates from 894 to 909 A.H. Type B of all dates from 900 to 922 A.H. The coin of 921 is in the B.M.*—that of 922 is recorded in R. (Lahor), p. 114. 1 d.				
1004	900	Parts of the same legend. ١٢٠ Wt. 57. S. .55.	Type A. "	
1005	902	١٢٢ Wt. 51.4. S. .55.	"	

*Note.—This coin and one of 917 in the B.M. have a star—m.m. 4—to right of ١١٦ .
Cf No 984

	No.	Mint Date	Obverse	Reverse
SIKAN- DAR II	B 1006- 1007	904	As on 1004. 1.2	Type A. As on 967.
			Wt. 53; 54.7. S. 55.	Pl. XI.
	1008*	909	" 1.1	Type B. As on 976.
			Wt. 47.4. S. 55.	
	1009- 1010	—	" Date off coin.	"
			Wt. 57; 49.3. S. 55.	
			<i>Dates observed :</i> 897 [R. (Lahor), p. 114. 2] and 900 to 911 A.H.	
	1011- 1012 (2)	—	" Wt. 31.1; 35.1; 33.1. S. 4.	"
	1012 A	898	. . . . . خلافت ۸۹۸	Parts of سکندر بہلول
			Wt. 17.5. S. 35.	
			Ref. I.M.C., 608.	

*Note to 1008. See also R. III. 30, probably a coin of Sikandar, not Bahadur.

No.	Mint Date	Obverse	Reverse
		<p style="text-align: center;">IBRĀHĪM SHĀH II</p> <p style="text-align: center;">A.H. 923-932. A.D. 1517-1526.</p> <p style="text-align: center;">BILLON</p>	
B			
1013	925	<p>Parts of</p> <p>في زمن المومنين امير خلدت خلافته ٩٢٥</p> <p>Wt. 79.5. S. .5.</p>	<p>Parts of</p> <p>المتوكل على الرحمن ابراهيم شاه سكندر شاه سلطان</p>
1014- 1015	926	<p>"</p> <p>٩٢٦</p> <p>Wt. 84.7 (2). S. .65; .55.</p> <p><i>Dates observed: 923, 925, 926, 927.</i></p>	<p>"</p> <p>Pl. XI.</p>
1016- 1019	—	<p>"</p> <p>Date off coins.</p> <p>Wt. 85; 82; 79.7; 80.7. S. .65; .55.</p>	<p>"</p>
1020- 1021	925	<p>"</p> <p>٩٢٥</p> <p>Wt. 38.5; 43.5. S. .45.</p>	<p>"</p>
1022- 1027	926	<p>"</p> <p>٩٢٦</p> <p>Wt. 43. S. .45.</p> <p><i>Dates observed: 925, 926, 927, 928.</i></p>	<p>"</p> <p>Pl. XI.</p>

**IBRĀ-
HĪM II**

No.	Mint Date	Obverse	Reverse
IBRĀ- HĪM II	B 1028- 1030	—	As on 1013.
		As on 1013. Date off coins. Wt. 41.7; 41.2; 36.2. S. .45.	As on 1013.
	Æ 1030A* sq.	COPPER <i>Struck in Mālwa.</i> ابراهيم شاه لود بن اسكند شا Wt. 115. S. .6. Ref. Thomas 321.	السلطان بن السلطان
MAḤMŪD LODĪ	B 1030B*	MAḤMŪD LODĪ A.H. 935. فی زمن المومنین امیر خلدت خلافتہ ۱۳۵ Wt. 140. S. .7. Ref. N.S. xxxv, p. 200 (H. R. N.).	BILLON A.D. 1528. شاه بن محمود ... سکندر ... بھلول PL. XXIV.

*Note to 1030 A. The weight given is that of a coin that was in my own cabinet. The coin belongs properly from its shape and type to the Mālwa series. It is now in the B.M.

*Note to 1030 B. A different reading of the reverse from that given in N.S. xxxv is suggested.

LODĪS

BAHLŪL

BAHLŪL

Gold and silver—we are told by a historian of the Lodī times—were only procurable with the greatest difficulty, and this statement receives confirmation from the coinage, for after Timūr's invasion, as we have seen, the issues of gold and silver dwindle to markedly small proportions. Bahlūl decided to eliminate them altogether and rely on a currency of billon and copper only.

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He selected for his principal coin, as Muḥammad Tughluq had done before him, when he replaced silver by billon *tankaḥs*, the popular piece of 80 *ratīs*, which, as Thomas is quick to notice, traces its origin back to the archaic copper coins of Rāmadatta. Indeed from A.H. 727, except for a few years in the last decade of the eighth century when a 96-*ratī* billon *tankaḥ* was in vogue, the 80-*ratī* coin appears consistently as the principal piece of the billon currency. Muḥammad V when he revived the billon coinage confined himself, so far as we know, to coins of 80 and 32 *ratīs* and so did Bahlūl's predecessor 'Ālam Shāh. There was nothing strange therefore in Bahlūl's choice. He was merely carrying on the coin types current at his accession supported by the traditions of more than a century and a half.

There need be no hesitation in asserting that Bahlūl's 80-*ratī* piece was the *tankaḥ* of his day. It not only corresponds in weight with the billon *tankaḥs* of Muḥammad Tughluq and Firūz Shāh, but in its composition, as evidenced by assay, it is obviously meant to be identical with the *tankaḥs* of Firūz Shāh, Fath Khān, and Muḥammad IV. Six specimens have been assayed at the Royal Mint (App. B), and excluding one which we may justifiably regard with suspicion, we find that the remaining five have an average silver content of 23.74 grains per coin. It is out of the question, in view of the respective values disclosed by assay, to suppose that Sikandar Lodī's *tankaḥs* were worth two of Bahlūl's or that forty of the latter went to the rupee as Thomas (*Chron.*, p. 366) concluded merely on the strength of Abū-l-Faẓl's dictum that the *dām* used to be called a *bahlūl*.

That Bahlūl issued a *tankaḥ* is supported by the fact that references to sums of money in the histories of his reign are usually in terms of *tankaḥs*, e.g. Rājā Mān paid Bahlūl 80 *lākhs* of *tankaḥs* to be confirmed in the possession of Gwāliar. The largeness of the amounts recorded and the avowed scarcity of gold and silver, together with its complete withdrawal from Bahlūl's own currency, indicate that a billon and not

BAHLŪL a silver *tankah* is the coin to which reference is made. A billon *tankah* was no novelty. From A.H. 727 till 793 the billon *tankah* was paramount, having effectively ousted its silver rivals. The silver *tankahs* of that period are limited to a few odd specimens, possibly struck for special occasions. Thus the circumstantial evidence points very strongly to Bahlūl's 80-*raṭī* coin being a *tankah*. It was a case of history repeating itself, for Bahlūl only did in A.H. 855 what Muḥammad Tughluq had done in A.H. 727. Both were equally successful. But Bahlūl went even further, for he issued no gold coinage.

The new *tankah* and 32-*raṭī* piece were based on the higher *raṭī* standard which, it has been suggested, was introduced by Muḥammad V, and continued by 'Ālam Shāh and which therefore Bahlūl found in vogue. The *tankahs* usually range in weight from 144 to 148 grains—the 32-*raṭī* pieces from 56 to 58 grains, though in one case an overweight of 60 grains is recorded.

It seems probable that Bahlūl's principal coin was, or came to be, known as a *bahlūlī*. The *Zubdatu-t-tawārīkh* based on a history, whose author derived his information from personal experience of the reigns of the second and third Lodīs, refers both to *bahlūlīs* and *tankahs* as standard coins in Ibrāhīm Lodī's time. The following interesting passage from that work which has been quoted by Thomas (*Chron.*, p. 360) may be again reproduced. 'In Ibrāhīm bin Sikandar's time, corn, clothes, and every kind of merchandise were cheaper than they had ever been known to be in any other reign except, perhaps, in the time of Sulṭān 'Alāu-d-dīn Khaljī. In the time of Sikandar, also, the markets were very cheap, but still not so much so as in the time of Ibrāhīm. Ten maunds¹ of corn could be purchased for one *bahlūlī*; five *śīrs* of clarified butter (*ghī*) and ten yards of cloth could be purchased for the same coin. . . . Gold and silver were only procurable with the greatest difficulty. A horseman received five *tankahs* a month and if any one spent 100 *tankahs* he might be considered to be possessed of great wealth. If a traveller wished to proceed from Dehli to Agra (about 120 miles), one *bahlūlī* would suffice for the expenses of himself, his horse and four attendants.'²

We may justifiably assume that the *tankah* above referred to is the coin of Sikandar Lodī which by the time of which the author is writing was definitely known as a *tankah*. And if we apply the term *bahlūlī* to Bahlūl's 80-*raṭī* billon we shall not be straining the context. It was after all Bahlūl's most distinctive coin and might well have acquired the name *bahlūlī*, when the *tankah* became a coin of lower value.

¹ A maund = 40 *śīrs* = 560 *tolahs* of 96 *raṭīs* (Bābur's Memoirs). In India at the present time a *śīr* is officially equal to 2 lbs., but the weight of the *śīr* varies not only from province to province but from district to district.

² See E.D. IV, p. 476, where an extract in similar terms from the *Tārīkh-i-Dāūdī* is quoted.

The point has been complicated by Abū-l-Faẓl who, when describing **BAHLŪL** Akbar's *dām* in the *Āin-i-Akbarī*, adds that this coin used formerly to be called *paisa* and *bahlūlī*:

نخست آنرا بیسه گفتی و بهلولی نیز خواندی

As Thomas points out (*Chron.*, p. 361), 'the preferable inference from this certainly points to the conclusion that the *bahlūlī* was a copper coin, but no copper piece of Bahlūl has ever been found of the weight of Akbar's *dām* (323.5625 grains or 167 of Akbar's *ratīs*). Bahlūl's heaviest copper coin is the 80-*ratī* double *fulūs* (150 grains). Even this was not current in the early part of his reign, and was eventually superseded by a coin of 120 grains (64 *ratīs*). So we may agree with Thomas that Bahlūl's copper coins must be ruled out.

At the same time it is equally clear that neither of Bahlūl's two billion pieces of 80 and 32 *ratīs* can be regarded as the equivalent of the *dām*.¹ As already stated, assay has shown that Bahlūl's heavier billons had an average silver content of over 23 grains. An assay of three of the smaller billon pieces yielded an average of 7.70 grains of silver per coin. These, which were the immediate precursors of Sikandar's *tankah*, have in fact double the value of a *dām*.

Thus there is no coin of Bahlūl which can be regarded as corresponding to the *dām*, and we are driven to the conclusion that Abū-l-Faẓl's statement to the effect that a *dām* used to be known as a *bahlūlī* must be disregarded as not according with the evidence afforded by the coins themselves. In the circumstances it seems reasonable to apply the term *bahlūlī*, as Thomas has done, though for different reasons, to Bahlūl's 80-*ratī* billon.

In copper Bahlūl seems to have been content, during the early part of his reign, with *fulūs* of the usual 'Dārū-l-mulk Dehlī' type and for this he adopted the 48-*ratī* (90 grains) piece of Muḥammad V. This would make a *ḡīḡāl* of four *fulūs* equivalent to 360 grains of copper. It did not, however, retain this value long, for a few years later we find the *fulūs* reverting to 40 *ratīs* (75 grains); in the British Museum there are coins of this lighter weight dated A.H. 862 and 863, and it was soon after this that the issue of double *fulūs* of 80 *ratīs* (cf. No. 942) began.

¹ Incidentally the *dām* is nothing but a *ḡīḡāl* translated into copper. We have seen that the *ḡīḡāl* of Iltutmish was a coin with a copper equivalent of 288 grains or four *fulūs*, and that this copper value subsisted for the next hundred years. Under Muḥammad Tughluq and his successors the *ḡīḡāl*, i.e. the forty-eighth part of the *tankah*, may have been represented by a single *fulūs*, but with the revival of the silver *tankah* or rupee we can trace the old *ḡīḡāl* in the four *fulūs* of Mahmūd II which were still equivalent to 288 grains of copper—rising however to 345.6 (86.4 x 4) grains in the reign of Muḥarak II and still further to 360 grains (4 *fulūs* of 90 grains) under Muḥammad V son of Farīd, a level retained for some years under Bahlūl. And it may be noted that under both Muḥarak and Muḥammad V forty of these *ḡīḡāls*, if we may so call them, of four *fulūs* apparently went to the silver *tankah* just as 40 *dāms* went to the rupee of Akbar.

BAHLŪL Towards the end of his reign Bahlūl reduced the weight of this double *fulūs*. Coins of A.H. 890 and 898 are found of a 64-*raṭī* standard (120 grains), the change apparently occurring in the former year, for the British Museum has a coin of that year of the 80-*raṭī* weight. The double *fulūs* of 64 *raṭīs* appear to have been the only coins issuing from the Dehli mint in the closing years of Bahlūl's reign, for in A.H. 888 the *fulūs* of Dehli stop,¹ and their place is taken by *fulūs* struck at the 'City of Jaunpūr'. The weights of these coins are markedly lower than those of the Dehli *fulūs* and it looks as if Jaunpūr had a standard of its own independent of Dehli and more in accord with the pre-Mubarak *fulūs*. One of Bahlūl's rarer coins is the half *fulūs* (No. 966 A).

SIKĀN- DAR II

SIKANDAR II

Catalogue Nos. 967-1012 A
Pages 250-254

Sikandar Lodī went a step further than Bahlūl in confining his currency exclusively to billon. He also went a step further in another direction for he was responsible for the penultimate stage in the downfall of the *tankah* which had been set in motion by Muḥammad Tughluq. Sikandar was, like his father, content to use the familiar 80-*raṭī* piece as his standard *tankah* but he reduced its value to that of the 32-*raṭī* billon of Bahlūl. We know from Indian chroniclers that the new coin was definitely called a *tankah* and that twenty of them were regarded as equivalent to a rupee (vide *Chron.*, p. 369). The large numbers that have been and are still being found show that it almost monopolized the currency. A long reign of thirty years served to establish the Sikandari *tankah* as an indispensable part of the currency. So much so that we find Akbar also issuing a *tankah* of which twenty similarly went to the rupee. It was, however, in his reign no longer a coin of mixed metal—the day of billon was over—but a heavy lump of copper equivalent in weight to two *dāms*.²

From 900 A.H. we get, issuing concurrently with the Dehli *tankah*, a second type without any mint name and with a distinctive angular script. This was possibly at first a camp issue, but when Sikandar transferred the seat of government to Āgrah, which he had founded in 1505 A.D. (911 A.H.), the Dehli-struck issue appears to have been abandoned. The large issues of A.H. 917-919, which are still met with in abundance, doubtless account for the discontinuance of the *tankah* after A.H. 920,

¹ See under No. 960.

² It is interesting to note that an almost exact counterpart of the Sikandari *tankah* is to be found in the billon *Dehliwāḍīs*, the first issues of Muḥammad bin Sam—themselves derived from the indigenous currency. The silver content per coin is in both cases almost the same (see App. B). 'Plus ça change plus c'est la même chose.'

for the reading of A.H. 921 and 922 on the two recorded coins of those years is not free from doubt. Sikandar died in A.H. 923. SIKAN-
DAR II

The appearance of the Sikandari *tankahs* seldom affords any ocular evidence of its silver content. Indeed many have, in fact, no trace of silver in them—see App. B, where out of 25 coins six were found on assay to be without silver. We may suspect that there was a considerable fabrication of these *tankahs*. What the Sultān could do in diminishing the amount of silver in a billon issue, so could his subjects. The facility with which spurious imitations could be placed on the market—that was so marked in the time of Muḥammad Tughluq—must always have been a handicap in a billon currency, and it is perhaps surprising that the use of billon persisted so long. As we have seen, an effort was made by Maḥmūd II and his immediate successors to dispense with it, but custom proved too strong and it needed powerful rulers like Sher Shāh and Akbar to give billon its *coup de grâce*.

At the same time a mixed metal currency is not without its advantages. It is not convertible into bullion except with an undue amount of trouble and therefore remains in circulation as a standing witness to the ruler whose name appears on its surface. Gold and silver were liable to be withdrawn from circulation either for purposes of hoarding or to be melted down into ornaments. Moreover the mixture of silver and copper enables the inconveniently small silver 'change' to be converted into more portable coins. Incidentally too it was possible, as a study of the Dehlī series reveals only too plainly, for a bankrupt or dishonest government to tamper with the intrinsic value of the contents of the billon coins to its own profit with no serious inconvenience to the public.

An assay of thirty-one Sikandari *tankahs* by the Calcutta mint in 1853 gave an average per coin of 5.647 grains of silver (*Chron.*, pp. 367-8). An assay of 25 similar coins made at the London Mint in 1928 yielded an average silver content of 5.4 grains per coin. But if, in the latter case, we exclude the six coins which showed no trace of silver, and which may be fairly suspected of being contemporary fabrications, the average works out at 7.12 grains. If to this be added the silver value of the copper we get an intrinsic value for the Sikandari *tankah* of about 9 grains of silver. Twenty of these would thus be equivalent to the 180-grain silver coin of Muḥammad V and 'Ālam Shāh.

The early *tankahs* answer well to the assumed weight standard—150 grains—of an 80-*ratī* piece, but the coins of Sikandar's later years show a falling off. The fractional pieces which exist are also irregular in their weights and foreshadow the deterioration which culminated in the following reign. They consist of halves, quarters, and a solitary eighth of the *tankah*.

IBRĀHĪM**II**

Catalogue

Nos.

1013-

1030 A

Pages

255-256

IBRĀHĪM II

Ibrāhīm discontinued the *tankah* of his predecessors. For this the enormous number of *tankahs* struck by Sikandar in circulation, combined with the emptiness of the treasury and the insecurity of Ibrāhīm's tenure, may be held a sufficiently good reason. From the *Zubdatu-t-tawārīkh* (*Chron.*, p. 360 n.) we gather that *tankahs* and *bahlūlis* were in use in Ibrāhīm's reign. But everything was so cheap at this time¹ that there was perhaps little need for anything but small change. At any rate the only coins we know Ibrāhīm to have issued himself are degenerate billon halves and quarters of the *tankah*. Under Ibrāhīm the currency may be said to have reached its *nādīr* both from the metrological and from the artistic point of view.

The most interesting coin of this Sultān is No. 1030 A, issued, as is supposed,² after the capture of Chanderī in Mālwa for currency in that province. It follows in type, form, and weight the Mālwa coinage found in existence by Ibrāhīm, and properly belongs to that series.

MAḤMŪD**MAḤMŪD**

Catalogue

No.

1030 B

Page 256

This coin which for some time lay unnoticed, save for its date, among Mr. Nevill's coins of Sikandar Lodī, is still unique. Maḥmūd was a younger brother of Ibrāhīm and after the battle of Pānīpat in A.H. 932 was accepted by the remnants of the Lodī faction as their leader. He was proclaimed king in Bihār in A.H. 935. But his sovereignty was shortlived and little more than nominal, and he was obliged to flee from Bābur into Bengal where he disappeared into obscurity. This solitary coin is of considerable interest as confirming the testimony of written history. It is also interesting as the last representative of the billon *tankah*, if we except that remarkable outlier, No. 1432 A, issued by the Sūri Sikandar III, which cannot with any certainty be classed as billon.

¹ See ante p. 258.² See Th. p. 377.

SŪRĪS

No.	Mint Date	Obverse	Reverse
		<p style="text-align: center;">SHER SHĀH</p> <p style="text-align: center;">A.H. 945-952. A.D. 1538-1545.</p> <p style="text-align: center;">GOLD</p>	
1030c*	Shergarh 949	<p>In double square, the Kalima.</p> <p>M.m. 4. in top left corner.</p> <p><i>Margin</i> As on 1043, but scarcely legible.</p> <p>Wt. 167.5. S. 1-2.</p> <p>Ref. B.M.</p>	<p>In double square</p> <p>شاه ن سلطان شیر خلد الله ملكه M.m. 4. over ر of شیر</p> <p><i>Margin</i> As on 1043, but ۱۴۱</p>
1030D	— 949	<p>[Jahānpanāh type]</p> <p>In circle, the Kalima.</p> <p>In centre m.m. 33.</p> <p><i>Margin</i> ابا بکر عمر [عثمان علی] السلطان العادل M.m. 16 to right of بکر ابا</p> <p>Wt. 166.8. S. 1-1.</p> <p>Ref. B.M. Cf. No. 1078, Pl. XIII.</p>	<p>In circle</p> <p>شاه ن شیر السلطان خلد الله ملكه و سلطان ۱۴۱ M.m. 34 over ن</p> <p><i>Margin</i> فرید الد[نیا و الدین ابو المظفر] جهانپناه [کسیرساہی]</p>

**SHER
SHĀH**

*Note to 1030c. This coin came from the cabinet of General Cunningham and was published by me in *J.R.A.S.*, July 1900, the view being expressed that it appeared above suspicion. Further consideration has, however, led me to modify this opinion. The execution, particularly of the marginal legends, is so crude, and so unlike that of the silver coins of the mint from which it purports to issue, as to raise grave doubts as to its genuineness. This is probably the coin numbered 342 in Thomas's *Chronicles*. Mr. H. R. Nevill's cabinet contained a gold coin of this type but without date. On it the mint name occupies the right and the Nāgarī the left margin.


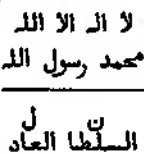
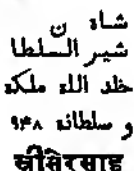
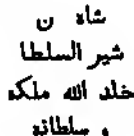
**SHER
SHAH**

No.	Mint Date	Obverse	Reverse
SILVER			
1031	Ujjain 949	In circle, the Kalima. M.m. 16 over و <i>Margin</i> ابابكر عمر عثمان على * السلطان العاذل ضرب اجين M.m. 9 (inverted) at * *. Wt. 177.8. S. 1.2. <i>Dates observed : 949, 950</i> (H. R. N.).	In circle شا سلطان شیر خلد الله ملكه و للطان (sic) : over the last ن <i>Margin</i> فريد الد * نيا و الدين ابو المظفر جهانپناه * श्रीसरसाह १३१ M.m. 9 (inverted) at * *. PL XI.
1031A*	Āgrah 948	In square looped at corners, the Kalima. <i>Margin</i> Bottom ابابكر المديق Left عمر الفاروق Top عثمان العفان Right على المرتضى Wt. 179. S. 1.2. <i>Ref. I.M.C., 615.</i> <i>Dates observed : 948, 949</i> (I.M.).	In square looped at corners سلطان شیر شاه الله خلد ملكه श्रीसरसाह <i>Margin</i> Left السلطان العادل Top ابو المظفر فريد Right الدنيا و الدين Bottom ضرب آگرا
1031B	„ 949	As on 1031 A. Wt. 172. S. 1.1. <i>Ref. I.M.C., 618.</i> <i>Other date : 950.</i>	As on 1031 A, but date १३१ vertically to left of ملكه

*Note to 1031 A. See also N.S. xlii, p. 16, for a possible coin of 947.

No.	Mint Date	Obverse	Reverse
R 1031a $\frac{1}{2}$	Āgrah 948	As on 1031 A, but <i>margin</i> Bottom ابا بکر Left عمر Top عثمان Right علی Wt. 85. S. .9. <i>Ref. H. R. N.</i>	As on 1031 A, but without Nāgarī and ۱۳۸ below خلد <i>Margin</i> Left السلطان Top العاذل Right ابو المظفر Bottom عرب آگرہ P1. XXIV.
1031b $\frac{1}{2}$	" 948	In a circle, the Kalima. Wt. 43. S. .62. <i>Ref. R. M. A.</i> <i>Cf. N.S. xl art. 265 (1).</i>	In a circle ابو المظفر شیر شاہ سلطان عرب آگرہ ۱۳۸
1031c 	Panduah 947	In square, the Kalima in two lines. Below پندوہ السلطان العادل <i>Margins</i> Top ابو بکر Left عمر Bottom عثمان Right علی Wt. ? S. 1.1. <i>Ref. J.B.O.R.S., 1919, p. 87.</i>	In square — — السلطان خلد اللہ ملکہ ۱۳۷ تیسرے شاہی <i>Margins</i> Right فرید Bottom الدین Left } obliterated. Top }

SHER
SHAH

No.	Mint Date	Obverse	Reverse
SHER SHAH 1031 r	Panduah 948	As on 1031 z, but عمر in right margin and على in left. Wt. ? S. 1-1. <i>Ref. J.B.O.R.S., 1919, p. 86.</i>	As on 1031 z, but  and ۱۳۸ <i>Margins</i> Top ابو المظفر Left و الدين ?
1031 g	Chunār 948	In square  <i>Margins</i> Bottom عثمان Left على Top Right Wt. 172.2. S. 1-05. <i>Ref. P. T.</i>	In square  <i>Margins</i> Bottom Left ضرب چنار Top فرید الدنیا Right
1032	" 949	In circle, the Kalima. M.m. 15 over و of رسول <i>Margin</i> (sic) ابو بکر الصديق عمر عثمان على ليرضى السلطان العادل Wt. 177. S. 1-15.	In circle  <i>Margin</i> فرید الدنیا و الدين ابو المظفر ضرب چنار ۱۳۲ (a) (sic) شيرساہی M.m. 15 over ن at top of area. M.m. 86 at (a).

No.	Mint Date	Obverse	Reverse
R 1033*	Chunār 950	As on 1032, but m.m. 4. But <i>margin</i> ابا بكر الصديق [عمر] الخطاب [عسمان] العارف على المرتضى السلطان العادل M.m. 9 after العادل Wt. 170 (worn). S. 1-1. <i>Dates observed</i> : 949 (B.M.), 950.	As on 1032, but area ar- ranged السلطان شير شاه M.m. 35 over س of السلطان and in margin ١٥. followed by Nagari title inverted? Pl. XI.
1033 A	" 949	As on 1033, but in margin العادل السلطان ل and no m.m. Wt. 177.6. S. 1-11. <i>Ref.</i> N. S. xlii, p. 13.	As on 1033, but شاه سلطان شیر
1034	Rantham- bhor 949	In square, the Kalima. <i>Margins</i> as on 1031 A. Wt. 174.3. S. 1-1.	In square ١٤٩ ن السلطان شير شاه خالد الله ملكه شیرشاہ <i>Margins</i> Left السلطان العادل Top [فريد الدنيا] Left و الدين Bottom رفته و در عرب Pl. XI.

*Note to 1033. In N.S. xlii a coin of A.H. 949 of this type is recorded with a weight of 177.7

**SHER
SHAH**

No.	Mint Date	Obverse	Reverse
R 1035	Satgāon 950	In circle, the Kalima. <i>Margin</i> ابا بکر عمر عثمان * علی السلطان العادل * M.m. 36 at * * Wt. 167 (worn). S. 1-1.	In circle شاه شیر السلطان خلد الله ملک و سلطانہ <i>Margin</i> فرید الدین و دنیا (sic) ابو المظفر سہیل ساہی ۱۵۰ ضرب ستگانو
1036	" 950	As on 1035. Wt. 175-4. S. 1.	As on 1035, but ضرب ستگانو ۱۵۰ Pl. XI.
1037	Sharif- ābād 946	In square within circle, the Kalima and below السلطان العادل In segments Top ابو بکر Left عمر Bottom عثمان Right علی Wt. 172-9. S. 1. <i>Dates observed: 946, 947 (B.M.C.).</i>	In square within circle شاه شیر السلطان خلد الله ملک شریف آباد ۱۴۶ In segments Right فرید Bottom دنیا Left و الدین Top ابو المظفر
1038	" 948	As on 1037, but عمر in right and علی in left segment. Wt. 173-4. S. 1-05. <i>Dates observed: 946 (I.M.C.), 948.</i>	As on 1037, but ۱۴۸

No.	Mint Date	Obverse	Reverse	
AR 1039	Sharif- abad 949	<p>In double circle, the Kalima.</p> <p><i>Margin</i> ابو بكر عمر عثمان على * السلطان العادل</p> <p>M.m. 4 at *</p> <p>Wt. 177.8. S. 1-1.</p>	<p>In double circle</p> <p>شاء سلطان شیر خلد الله ملكه شريفabad</p> <p><i>Margin</i> فريد الدنيا و الدين ابو المظفر ۱۳۱ श्रीसीरसाही (a)</p> <p>M.m. 9 at (a).</p> <p>Pl. XII.</p>	SHER SHAH
1040	" 951	<p>As on 1039.</p> <p>Wt. 177.4. S. 1-1.</p> <p><i>Dates observed:</i> 949 (N.S. xlii, p. 16), 951.</p>	<p>As on 1039, but date to right of Nāgarī and no m.m.</p>	
1040A	Shergarh (Qil'a) 945	<p>In square</p> <p>لا اله الا الله محمد رسول الله السلطان العادل فريد الدنيا و الدين</p> <p><i>Margins</i> Top ابو بكر Right عمر Bottom عثمان Left على</p> <p>Wt. 174. S. 1. 1.</p> <p>Ref. H. R. N.</p>	<p>In square</p> <p>شیر شاء السلطان خلد الله ملكه ۱۳۵ شیرساही</p> <p><i>Margins</i> Top فريد الدنيا Right و الدين Bottom ابو المظفر Left قلع شیرگاه</p> <p>Pl. XXIV.</p>	

SHER SHĀH	No.	Mint Date	Obverse	Reverse
	R			
SHER SHĀH	1040B*	Shergarh 945	<p>In square, the Kalima and below</p> <p>السلطان العادل</p> <p>Margin</p> <p>Top } obliterated (ابو بكر)</p> <p>Right } (عمر)</p> <p>Bottom عثمان</p> <p>Left على</p> <p>Wt. 166.3.</p> <p>S. 1.1.</p> <p>Ref. B.M.</p>	<p>In square</p> <p>شاء</p> <p>شير</p> <p>السلطان خالد</p> <p>الله ملكه ١٤٥</p> <p>شیرساہی</p> <p>Margin</p> <p>Top فرید الدنیا ؟</p> <p>Right obliterated.</p> <p>Bottom ابو المظفر ؟</p> <p>Left غرب شیرگز</p> <p>Pl. XXI.</p>
	1041	" 947	<p>As on 1037, but عمر in right, على in left segment.</p> <p>Wt. 175.8.</p> <p>S. 1.15.</p> <p>Dates observed :</p> <p>946 (H. R. N.), 947, 948 (B.M.C.).</p>	<p>In square</p> <p>شاء ن</p> <p>شير السلطان</p> <p>خالد الله ملكه</p> <p>و سلطانہ ١٤٧</p> <p>شیرساہی</p> <p>Margins</p> <p>Top فرید الدنیا</p> <p>Right و الدين</p> <p>Bottom ابو المظفر</p> <p>Left غرب شیرگز</p> <p>Pl. XII.</p>

*Note to 1040 B. A duplicate of this was obtained by B. Rakhal Das Banerji in Hyderabad d. Sind.

No. q	Mint Date	Obverse	Reverse	
AR 1041 A	Shergarh (Qila) 951	<p>In square, the Kalima, with m.m. 84 in top left corner.</p> <p><i>Margin</i> Top ابو بكر الصديق Right عمر الفاروق Bottom (sic) عثمان الاعطان Left علي المرتضى</p> <p>Wt. 171. S. 1-25.</p> <p>Ref. H. R. N.</p>	<p>In square</p> <p>الله الرحمان المتوكل على ابو المظفر سلطان شير شاه</p> <p><i>Margin</i> Top و سلطان خلد الله ملكه Right ١٥١ عرب قلع شيركو Bottom श्रीसेरसाह Left فرید الدین و الدین</p> <p>Pl. XXIV.</p>	<p>SHER SHAH</p>
1042	" (Qila?) 952	<p>In circle, the Kalima. M.m. 84 over both الله's.</p> <p><i>Margin</i> ابو بكر الصديق عمر الفاروق</p> <p>Wt. 168-6 (worn). S. 1-2.</p>	<p>In circle</p> <p>الله حمان المتوكل الر على المظفر سلطان بو شير شاه</p> <p><i>Margin</i> श्रीसेरसाह [فرید] [.....] الدین و الدین</p> <p>Pl. XII.</p>	
1042 A	" ?	<p>In circle, the Kalima.</p> <p><i>Margin</i> (a) ابو بكر عمر عثمان على (a) السلطان العادل شيركو</p> <p>M.m. 9 (inverted) at (a).</p> <p>Wt. 172-1. Ref. H. R. N.</p>	<p>In circle</p> <p>ن شا سلطان شیر خلد الله ملكه و سلطان</p> <p><i>Margin</i> فرید الدین (a) و الدین ابو المظفر شیرساही (sic) ١٣٠٠ M.m. 9 (inverted) at (a).</p>	

No.	Mint Date	Obverse	Reverse
SHER SHAH	R 1043* Shergarh 948	In double square, the Kalima. <i>Margins</i> Top ابو بكر الصديق Right عمر الفاروق Bottom عثمان ذى النورين Left على المرتضى A over عمر and على Wt. 174.2. S. 1.15.	In double square شاه ن شیر سلطا خلد الله ملكه <i>Margins</i> Top فرید الدنیا و Right الدین ابو المظفر Bottom عرب شیرگزی ۱۳۸ Left شیرساہی In right bottom corner of area ح* Pl. XII.
	1044* " 948	As on 1043. Wt. 172.2. S. 1.	As on 1043, but margins read from left upwards. No ح in area. Pl. XII.
	1045* " 948	Wt. 171. " S. 1.15.	As on 1043, but no ح in area.
	1046* " 949	As on 1043, but m.m. 39 in top left corner and m.m. 40 in bottom right corner of area. Wt. 173.4. S. 1.15.	As on 1043, but ۱۴۱
	1047 " 949	As on 1043, but m.m. 41 in top left corner and m.m. 9 in bottom right corner of area. Wt. 176.6. S. 1.	As on 1043, but m.m. 42 in ر of شیر and m.m. 9 in bottom right corner of area.
		Dates observed : 949, 950 (H. R. N.).	

*Note to 1043. On some coins this ح is replaced by a star or m.m. 12.

*Note to 1044-1045. The 'Sher' of Shergarh is written differently in these two coins, the strokes of the ش and the dots being given.

*N. to 1044. A variety of mint marks or ornaments is found on the coins of 949.

No.	Mint Date	Obverse	Reverse
R 1048 $\frac{1}{2}$	(Sher- garh) ?	As on 1043, but margins absent. Wt. 84. S. .8.	As on 1043, but margins absent and no ح Pl. XII.
1049*	Shergad Bakkar 950	In square, the Kalima. <i>Margins</i> Bottom ابا بكر صديق Left عمر الخطاب Top عثمان العفان Right على المرتضى Wt. 177.7. S. 1.1.	In square السلطان شاهر شیر خلد الله ملكه अक्षिरसह M.m. 4 over خ <i>Margins</i> Left فرید الدین و Top الدنيا ابو المظفر Right عرب شیرگڑہ Bottom عرف سق بکر ۱۰۰
1050	" 951	" Wt. 176. S. 1.1.	As on 1049, but and m.m. 15. Pl. XII.
1051	" 952	" Wt. 166.3 (worn). S. 1.1.	but " 10r

*Note to 1049. H.R.N. has a similar coin of ?949.

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No.	Mint Date	Obverse	Reverse
AR 1052	Shergarh Dehli 948	In square, the Kalima. <i>Margins</i> Left بكر الصديق عمر Top الفاروق عثمان Right العفان على المرتضى Bottom السلطان العادل Wt. 176.7. S. 1-12.	In square ن ۱۳۸ السلطان شیر شا خالد الله ملكه (sic) सारासारासाह <i>Margins</i> Left ابو المظفر فرید Top الدنيا و الدين Right عرب شیرگز Bottom عرب حضرت دهلي Pl. XII.
1053	" 949	" Wt. 175.3. S. 1-15.	As on 1052, but ۱۳۹ and Nagari (sic) सासीरासाह
1054	" 949	" Wt. 171.2 (worn). S. 1-1.	As on 1053, but margins read from bottom leftwards.*
1055	" 950	" Wt. 174.3 (worn). S. 1-1.	As on 1054, but 1-1.
1056	" 951	" Wt. 170.7 (worn). S. 1-1. Dates observed: 949, 950, 951.	" 1-1

*Note to 1054. On a similar coin of 949 in the B.M. the margin read from the right downwards.

No.	Mint Date	Obverse	Reverse
AR 1056A*	Fathabad 946	السلطان العادل يُـد بـتـا الموید الرحمن یـد فـر الدنيا و الدين فتحاباد ٩٤٦ Wt. 177. S. -96. Ref. N.S. xlii, p. 14 (two pieces).	ابو المظفر الله شاه شیر السلطان خلد ملک و سلطانہ ١٣٦ SHER SHAH
1057*	" 946	In square, the Kalima. السلطان العادل <i>Margins</i> Top ابو بکر Right عثمان Bottom عمر Left علی Wt. 173.2. S. 1-1.	In square شاه شیر السلطان خلد الله ملک ١٣٦ سیرسیس <i>Margins</i> Right فرید الدین Bottom فتحاباد ٩٤٦ Left obliterated. Top Pl. XII.
1058	" 948	" Wt. 175.5. S. 1-1. <i>Dates observed:</i> 947 (H. R. N.), 948, 949 (I.M.C.).	As on 1057, but in area ١٣٨ and سیرسیس <i>Margins</i> Right فرید الدین Left و الدين Top ابو المظفر Bottom فتحاباد

*Note to 1056 A. These coins supersede the coin figured in Thomas, *Chron.* p. 396, where the last line of the obverse inscription is wanting.

*Note to 1057. The Nāgarī in the Rev. margin may be a rendering of the mint-name.

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No.	Mint Date	Obverse	Reverse
R 1059*	Fathābād 951	In circle, the Kalima, and below ماحد ؟ <i>Margin</i> ابا بكر عمر عثمان على * السلطان العاذل عرب ... ؟ ... M.m. 9 at * * Wt. 171.4. S. 1-1. <i>Dates observed</i> : 949 (B.M.), 951.	In circle شاه سلطان شير خلد الله ملكه و سلطان <i>Margin</i> فريد ا * لدنيا والدين ابو المظفر * سیرساहि (عرب) فتحاباد سنه ٩٥١ M.m. 9 at * * Pl. XII.
1059A	Kalpi 949	In chained circle, the Kalima. <i>Margin</i> starting at 10 o'clock. ابا بكر المديق * عمر الفاروق * عثمان [الغان] * [على] المرقي * At * m.m. 4. Wt. ? S. 1-1. <i>Ref.</i> J. B. O. R. S., 1919, p. 87.	In chained circle سلطان شير شاه خلد الله ملكه سیرساहि <i>Margin</i> starting at 6 o'clock. السلطان العادل فريد الدنيا و الدين ابو المظفر ٩٤٩ عرب كالبي

*Note to 1059. In N.S. xlii, p. 18, Mr. Stapleton has suggested that the word below the Kalima may be صاحب, linking up the Kalima with the margin, i.e. Muhammad is the prophet of Allah and his companion is Abū Bakr, &c. There is, however, no trace of the final ص and the initial letter looks more like a م than a ص.

No.	Mint Date	Obverse	Reverse
AR 1060*	Kalpi 949	In double square, the Kalima, and below مر کالپے M.m. 4 to left of کالپے <i>Margins</i> Right ابا بکر المديني Bottom عمر الفاروق Left عثمان عفان Top علي المرتضى Wt. 178.6. S. 1.08.	In double square سلطان شير شاه الله خلد ملکہ سنہ ۹۴۹ <i>Margins</i> Left فرید الدنيا Top والدين الاسلام Right ابو المظفر Bottom श्रीसिरसाह Pl. XII.
1060 A	" 949	As on 1060, but marginal legend starts in top margin. Wt. 175.5. S. 1.1. Ref. B.M.	In double square ن سلطان شير شاه الله خلد ملکہ ۹۴۹ <i>Margins</i> as on 1060.
1061*	" 949	As on 1060, but <i>margins</i> Top ابا بکر المديني Right عمر الفاروق Bottom عثمان عفان Left علي المرتضى M.m. 4. Wt. 172.5 (worn). S. 1.1.	In double square شير سلطان شاه خلد الله ملکہ श्रीसिरसाह <i>Margins</i> Left فرید الدنيا Top والدين Right ابو المظفر Bottom سنہ ۹۴۹

*Note to 1060. I.M.C., 685, is a coin of this type and date but the marginal legend starts in the left margin. Its weight is recorded as 179 grs.

*Note to 1061. H.R.N. has a specimen with marginal legend starting in left margin.

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No.	Mint Date	Obverse	Reverse
R 1062	Kālpī 950	As on 1060, but margins read from the left upwards. M.m. 4. Wt. 173.4. S. 1.12. <i>Dates observed :</i> 949 (B.M.C.), 950.	As on 1061, but شیر : ن شا سلطان and in the bottom margin ۹۵۰.
1063*	Gwalīar 949	In square, the Kalima. <i>Margins</i> Bottom ابابکر الصديق Left عمر الفاروق Top عثمان العفان Right علی المرتضى Wt. 177.5. S. 1.2. <i>Dates observed :</i> 949, 950 (acquired 1928).	In square سلطان : شیر شا خالد الله ملكه ۹۴۹ शासारसाह M.m. 66 over خ <i>Margins</i> Left السلطان العادل Top ابو المظفر فرید Right الدلیا و الدین Bottom ضرب گوالیر Pl. XII.
1064	" 949	As on 1063. Wt. 173.5. S. 1.2. <i>Dates observed :</i> 949, 951 (I.M.C.).	As on 1063, but arranged ۹۴۹ سلطان شیر شاه
1065	" 951	" Wt. 172.9. S. 1.1.	but date ۹۵۰ to left of ملكه

*Note to 1063. I.M.C., No. 621, of this date and type weighs 179 grs.

No.	Mint Date	Obverse	Reverse
R 1066	Gwalior 952	As on 1063. . Wt. 175.6. S. 1-1. <i>Dates observed: 949, 950</i> (B.M.), 951, 952.	As on 1063, but date $\frac{1}{2}$ to left of $\frac{1}{2}$ SHER SHAH
1066A	" 951	" Wt. 171.7. S. 1-2. Ref. P.T.	As on 1063, but margin begins at the bottom and the mint is in right margin.
1067	Malot 950	In circle, the Kalima. M.m. 56 over و of رسول <i>Margin</i> ابو بكر * عمر عثمان على السلطان العدل ضرب ملوت M.m. 16 at * * Wt. 176.4. S. 1-32.	In circle شاء ن شیر سلطان خلد الله ملكه و سلطان <i>Margin</i> فرید الدنيا و الدین ابو المظفر * 100 سنه شیرشاہ M.m. 16 at * * Pl. XII.
<i>Doubtful mints.</i>			
1067A*	Bhanpur 949	As on 1063. Wt. 174. S. 1. Ref. I.M.C., 619. <i>Dates observed:</i> 949 (I.M.C.), 950 (Th. no. 353—now in Berlin).	۱۳۴ السلطان شیر شاء خلد الله ملكه شیرشاہ 9 to right of date. <i>Margins</i> Top السلطان العدل Right ابو المظفر فرید Bottom الدنيا و الدین Left ضرب بهانپور ?

*Note to 1067A. Another is described in N.S. xlii, p. 12. Wt. 175.6; S. 1-08.

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No.	Mint Date	Obverse	Reverse
R 1068	? Ḥaṣrat Rasulpūr 'urf Patna 950	In square, the Kalima. <i>Margins</i> as on 1031 A, but in left margin عمر الخطاب Wt. 172.1. S. 1.15.	In square السلطان شیر شا الله خلد ملکہ شیخیرساہ M.m. 43 over خلد <i>Margins</i> Left ابو المظفر فرید Top الدنيا و الدين Right سنہ ۹۵۰ * Bottom رسولپور عرف پتہ؟ حضرت M.m. 44 at * Pl. XIII.
1069*	? Dāru-l- zarb Qil'a Tānda 951	In double circle, the Kalima, but رسول for الرسول <i>Margin</i> * ابا بکر * عمر * عثمان * علی [دار الضرب قلع تاندہ؟] M.m. 45 at * *. Wt. 176.7. S. 1.15.	In double circle السلطان شاء شیر خلد الله خلافتہ <i>Margin</i> السلطان العادل ابو المظفر فرید (sic) असरसही الدنيا و الدين Pl. XXI.

*Note to 1069. This reading of the mint name is suggested by the coin in the B.M. (figured). But I am not confident that the mint is not the same as that which is suggested for the copper coins of Islām Shāh as 'Budhāna Dih'. The type is Bengālī. Mr. Nevill suggests Qil'a Raisen (رائسین), Mr. Stapleton (N.S. xlii, p. 15) with more probability Khallifatabād (خلیفتاباد).

No.	Mint Date	Obverse	Reverse
WITHOUT MINT NAME.			
<i>Type A. Jahānpanāh type.</i>			
1070*	946	<p>In square, the Kalima. السلطان العادل</p> <p><i>Margins</i> Top ابو بكر Right عمر Bottom عثمان Left على</p> <p>Wt. 169.2. S. 1.</p>	<p>In square شا ۱ ن شیر ۲ لسلطا خالد الله ملكه و سلطانہ ۳۶ سیرساہی</p> <p>The ن in the top line cuts the لطا</p> <p><i>Margins</i> Top فرید الدنیا Right و الدین Bottom ابو البظفر Left عرب جهانپناه</p>
1070A	946	<p>„</p> <p>Wt. 173. S. 1. Ref. B.M.</p>	<p>As on 1070, but omitting و سلطانہ ۱ under ملكه ۳۶ under الله</p> <p>Pl. XXI.</p>
1071	947	<p>„</p> <p>Wt. 169.5. S. 1.</p>	<p>As on 1070, but omitting سلطانہ و in area and عرب in margin.</p> <p>۳۶</p>
1072*	947	<p>„</p> <p>Wt. 166.7. S. 1.02.</p>	<p>As on 1071, but arranged شا ۱ ن شیر السلطا and inserting و سلطانہ before ۳۶</p>

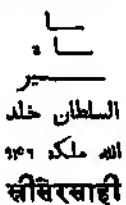
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*Note to 1070. In all these square area coins of the Jahānpanāh type the line over the Nagari forms the word سنہ.

*Note to 1072. The ن on the reverse cuts the السلطا.

	No.	Mint Date	Obverse	Reverse
SHER SHAH	A 1073	948	As on 1070. Wt. 173.3. S. 1-15.	As on 1072, but ۱۴۸ M.m. 33 over ن of سلطان Pl. XIII.
	1074*	948	," Wt. 179.2. S. 1-15.	As on 1073, but m.m. 34.
	1075	948	," Wt. 172.8. S. 1-15.	As on 1072, but ۱۴۸ and in bottom margin علا الدين Top and right margins obliterated. M.m. 15 over ن of السلطان
	1075A	948	," Wt. 173. S. 1. <i>Ref. I.M.C., 664.</i>	As on 1070, but و سلطان ۱۴۸ <i>Margins</i> Top ابو المظفر Right فرید Bottom الدنيا Left و الدين
	1076 $\frac{1}{2}$	948	," Wt. 84.6. S. -8.	As on 1072, but ۱۴۸ Pl. XIII.
	1077	949	," Wt. 174. S. 1-15.	As on 1072, but ۱۴۹ and m.m. 34 over ن of سلطان.
	1077A $\frac{1}{2}$	949	," Wt. 87.9. <i>Ref. Berlin.</i>	"

*Note to 1074. H.R.N. records a similar coin with m.m. 25.

No.	Mint Date	Obverse	Reverse
R 1078	949	In circle, the Kalima. M.m. 33 over و of رسول <i>Margin</i> ابا بکر عمر عثمان * علی السلطان العادل M.m. 9 at * * Wt. 175. S. 1.2. Other date: 950 (B.M.).	In circle, as on 1077. <i>Margin</i> فرید الدین و الدین ابو المظفر جہانپناہ شیخیرشاہی PL XIII.
1079*	— 946	<i>Type B. Sher Shāh in three lines.</i> As on 1070. Wt. 170.4. S. 1.1.	 <p>سلطان خلد اللہ ملکہ ۱۳۶ شیخیرشاہی</p> <p><i>Margins</i> Top ابو المظفر Right فرید .. Bottom الدین Left و الدین</p>
1080	— 946	" Wt. 172. S. 1.08.	As on 1079, but with top much shortened. Crude date.
1081	— 947	" Wt. 173.9. S. 1.05.	As on 1079, but ۱۳۷

*Note to 1070. These coins bear a strong resemblance to No. 1081 z and r of Pandua mint. They are almost certainly of Bengal mintage. On some of the coins of this and the succeeding type there is some letter (not deciphered) following فرید in the right reverse margin.

No.	Mint Date	Obverse	Reverse
SHER SHAH			
AR 1082	— 948	As on 1070. Wt. 163.8 (worn). S. 1.08.	As on 1079, but ۱۳۸
1083*	— 949	" Wt. 171. S. 1.1.	but " ۱۳۹
1084*	— ?	" Wt. 176.4. S. 1.1.	As on 1079, but with defective date.*
Pl. XIII.			
<i>Type C. Sher Shah in two lines.</i>			
1085*	— 948	As on 1070. Wt. 175.5. S. 1.08. <i>Dates observed:</i> 946 (H. R. N.), 947 (I.M.C.), 948.	As on 1079, but ۱۳۸ and Sher Shah in two lines with three dots over the ش of شاه
1086	— 946	" Wt. 173.8. S. 1.05.	As on 1085, with dots over the ش of شیر and شاه and the ش is curved like a ن Cf. No. 1036, Pl. XI.
1087	— 947?	" Wt. 177.5. S. 1.02.	As on 1086, but ۱۳۷?
1088	— 948	" Wt. 173.5. S. 1.1.	but " ۱۳۸

*Note to 1083. Mr. Stapleton mentions two coins of this type of 952. (N.S. xlii, p. 16.)

*Note to 1084. Coins of this type frequently have defective dates.

*Note to 1086. Differing arrangements of the dots on the reverse have been observed. See I.M.C., 660 and N.S. xlii, p. 17.

No.	Mint Date	Obverse	Reverse
AR 1089	— 947	<p><i>Type D. Āgrah-Gwāliar types—square areas.</i></p> <p>As on 1063.</p> <p>Wt. 166.6. S. 1.18.</p>	<p>In square as on 1064, but ۱۳۷</p> <p>M.m. 46 in top right corner.</p> <p><i>Margins</i></p> <p>Top ابو المظفر Right فرید الدنیا Bottom و الدین Left السلطان العادل ت over دنیا in right margin.</p> <p>Pl. XIII.</p>
1089A	— 950	<p>In square, the Kalima.</p> <p><i>Margins</i></p> <p>Right ابو بکر الصدیق Bottom عمر الفاروق Left } obliterated. Top }</p> <p>Wt. 174. S. 1.1.</p> <p>Ref. I.M.C., 665.</p>	<p>In square ۱۵۰.</p> <p>سلطان شیر شاه خلد الله ملكه سُورِ سَاهِ</p> <p>M.m. 15 over خ. M.m. 47 over س of سلطان</p> <p><i>Margins</i></p> <p>Top ابو المظفر Right فرید الدنیا Bottom و الدین Left obliterated.</p>

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No.	Mint Date	Obverse	Reverse
<i>Type E. Circular areas.</i>			
1090	— 949	In circle, the Kalima. M.m. 48 over و رسول <i>Margin</i> ابا بکر عمر عثمان * علی السلطان العادل * * M.m. 9 (inverted) at * * Wt. 172.2. S. 1.11. <i>Dates observed:</i> 948 B.M.C., 949.	In circle شاه ن شیر سلطان خلد الله ملکہ و سلطان (sic) <i>Margin</i> فرید الدنیا و الدین ابو * المظفر * ۱۳۱ سیرساہی M.m. 9 (inverted) at * *
1091	— 950	" Wt. 170.5. S. 1.3.	As on 1090, but ۱۰. and m.m. 43. Pl. XIII.
1091A	— 948	In circle, the Kalima. <i>Margin</i> السلطان * العادل ابو بکر عمر عثمان علی M.m. 33 at * Wt. 176.6. Ref. H. R. N.	In circle شا السلطان شیر * خلد الله ملکہ و سلطانہ M.m. 30 at *. <i>Margin</i> فرید الدنیا * و الدین ابو المظفر ۱۳۸ سیرساہی M.m. 33 at * and 9 at †

No.	Mint Date	Obverse	Reverse
<i>R</i>		<i>Type F. Circular areas—broad coins.</i>	
1092	— 949	In circle, the Kalima. <i>Margin</i> ابو بكر عمر (a) عثمان (b) علي السلطان العادل M.m. 9 at (a). M.m. 16 at (b). M.m. 49 at (c). Wt. 172.6. S. 1.3.	In circle شاه السلطان شهر خلد الله ملكه و سلطانہ <i>Margin</i> فرید الدین و الدین (b) ابو المظفر (c) سنہ ۷۴۱ سیرساہی M.m. 9 at (a). M.m. 16 at (b). M.m. 49 at (c).
1093	— 950	" Wt. 174.8. S. 1.3.	but "
1094	— 951	" Wt. 177. S. 1.3. Dates observed: 949, 950, 951.	but "
1094A*	— 948	As on 1092, but in margin m.m. 33 after علي and m.m. 9 over ن of السلطان Wt. 172.8. Ref. H. R. N. Dates observed: 948, 949 (I.M.C.).	As on 1091A, but in margin ابو المظفر فرید الدین و (a) الدین (b) سنہ ۷۴۸ سیرساہی M.m. 33 at (a) and 9 at (b).

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*Note to 1094A. This is a variety of Type F. The ن of السلطان in the reverse area cuts only the second ل. For a slightly different die see N.S. xlii, p. 17.

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No.	Mint Date	Obverse	Reverse
<i>Type G. Circular areas.</i>			
1095	— 949	In circle, the Kalima. Without m.m. <i>Margin as on 1090, but m.ms. 9.</i> Wt. 175.8. S. 1.1.	In circle ن شا سلطان شیر خدا الله ملكه و سلطانہ فرید الدین و الدین ابو المظفر † ۱۳۹۱ सीविरसाही M.m. 9 at * * M.m. 50 at †.
1096	— 950	" Wt. 176. S. 1.1.	but " 10. Pl. XIII.
1097	— 951	" Wt. 174.2. S. 1.1. <i>Dates observed : 949, 950, 951.</i>	but " 101
1098	— 951	" Wt. 177. S. 1.1.	" M.m. 25 to left of date.
1099	— 951	" (a much broader coin) Wt. 171.5. S. 1.3.	"
1100	— 952	" Wt. 160.8 (worn). S. 1.2. <i>Dates observed : 951, 952.</i>	As on 1098, but 10r

No.	Mint Date	Obverse	Reverse
GHAR SHAH			
AR 1101	— 949	<p><i>Type H. Circular areas—companions with titles.</i></p> <p>In circle, the Kalima. M.m. 4 over و رسول</p> <p><i>Margin</i> ابو بكر الصديق عمر الخطاب عثمان العارف على المرتضى السلطان العادل</p> <p>Wt. 175.1. S. 1-15.</p>	<p>In circle شاهان شیر لسلطا خدا الله ملكه و سلطانہ M.m. 15 over ن</p> <p><i>Margin</i> فريد الدنيا و الدين ابو المظفر श्रीशिरसाह १३९</p>
<i>Type I. Circular areas.</i>			
1102*	— 949	<p>In circle, the Kalima. M.m. 4 over و رسول</p> <p><i>Margin</i> ابو بكر* عمر* عثمان على السلطان العادل</p> <p>M.m. 9 at * *</p> <p>Wt. 166.4 (worn). S. 1-15.</p> <p><i>Dates observed:</i> 948 (I.M.C.), 949.</p>	<p>In circle شاهان شیر لسلطا خدا الله ملكه و سلطانہ ۱۳۹</p> <p>M.m. 15 over ن</p> <p><i>Margin</i> فريد الدنيا و الدين ابو المظفر * श्रीशिरसाही M.m. 51 at *</p>
1103*	— 949	<p>As on 1102, but only m.m. 53 in margin to left of العادل</p> <p>Wt. 178.6. S. 1-2.</p>	<p>As on 1102, but ۱۳۹ سنہ in margin to right of Nāgarī and no m.m.</p> <p style="text-align: right;">Pl. XIII.</p>

*Note to 1102. The coin of 948 differs in the marginal m.m.s, having m.m.s 52 and 9 to left of الدين and the Nāgarī on the reverse and 11 over عمر and دل and 9 to left of ابو بكر and عثمان on the obverse. Its weight is given as 179.5 grains.

*Note to 1103. In the collection when acquired was a unique silver $\frac{1}{4}$ th of a rupee. This has been described in N.S. xxvii-166. Unfortunately the coin has broken up into pieces. It has therefore not been included.

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No.	Mint Date	Obverse	Reverse
<i>Type J. Circular areas.</i>			
1103A	— 950	As on 1035. Wt. 175.15. Ref. H. R. N.	As on 1035, but ۱۰. and omitting ضرب مستغانو
<i>Type K. (Malwa type)</i>			
1103B	—	The Kalima. Wt. 109.8. Ref. H. R. N.	د ل ۱ الغان سلطان ش شیر خلد الله ملكه
COPPER			
1103C	Abu 951	In looped square في عهد لامير (sic) الحامی ۹۵۱ <i>Margins</i> Right ۹۵۱ (a) Bottom [السلطان] Left [العادل] M.m. 9 at (a) Wt. 303. S. 9. Ref. I.M.C., 678. <i>Dates observed:</i> *950 (H.R.N.), 951, 952 (H.R.N.).	In looped square سلطان شاء شیر ب قرايو <i>Margin</i> Top و سلطان Right ابو [المظفر]

*Note to 1103C. On this coin the bottom margin of the reverse reads ابو المظفر, and the right سلطان و. On the coin of 952 لامير is followed by m.m. 9.

No.	Mint Date	Obverse	Reverse
1103D Æ	Āgrah 950	As on 1103 c, but in area ١٥. <i>Margins</i> Top الدين Right الدين Bottom السلطان Left العادل Wt. 315. S. -9. <i>Ref. I.M.C., 679.</i> <i>Dates observed: 950, 951</i> <i>(I.M.C.), 952 (H. R. N.).</i>	As on 1103 c, but ب آ گز فر <i>Margins</i> Bottom ابو المظفر Left خلد الله Top ملكه (a) Right و سلطان M.m. 9 at (a).
1103E	" 951	As on 1103 D, but الحا امى ١٥ <i>Margins ?</i> Wt. 317. S. -9. <i>Ref. I.M.C., 680.</i>	As on 1103 D, but <i>margins</i> Left [ابو المظفر] Top [خلد الله] Right ملكه و Bottom سلطان
1104	Alwar 950	In square في عهد (sic) لا مير الحا مى ١٥ M.m. 54 to left of لامير <i>Margin</i> Top الدين Others obliterated. Wt. 315. S. -95.	In square سلطان شاء شير ب الور فر M.m. 91 to left of شير <i>Margin</i> Left خلد الله Others obliterated.

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No.	Mint Date	Obverse	Reverse
Æ 1105- 1106	Alwar 950	As on 1104, but m.m. 12 to left of لَامِير <i>Margins</i> Top الدين Right الدين Bottom السلطان Left العادل Wt. 322. S. -9. <i>Dates observed :</i> 950, 951, 952.	As on 1104. <i>Margins</i> Bottom [ابو المظفر] Left [خلد الله] Top [ملكه] Right و سلطان M.m. 12 to left of شير The ا and ل of الور are much shorter than on 1104.
1107	" 950	As on 1105. Top and right margin only legible. Wt. 323. S. -9.	As on 1105, but m.m. 9 to left of شير Margins illegible.
1108	" 951	but " 951 Right and bottom margins only legible.	As on 1105. Left margin only legible.
1109	" 951	" Bottom margin only legible.	" Right margin only legible.
1110	" 951	" Left margin only legible.	" Bottom margin ابو المظفر
1111	" 952	but " 952 Left margin only legible.	" Margins obliterated.

No.	Mint Date	Obverse	Reverse
Æ 1112	Awadh 952	في عهد الأمير الحامل الدين ن ٩٥٢ الديا Wt. 320. S. .85.	ابو المظفر شاه (a) ن شير سلطان خدا الله ملكه عرب اود[ه M.m. 97 at (a). Pl. XIII.
1113 $\frac{1}{2}$	—	" but date wanting. Wt. 158.5. S. .7. Date observed: 952 (H. R. N.).	" Pl. XIII.
1114	Biāna 951	(sic) فر نيا لد يد الدنيا و ابو المظفر السلطان العادل Wt. 315. S. .95.	خدا الله سلطان ... شاه شير بيانت ملكه (عرب) ٩٥١ The ن of the mint name reads perpendicularly.
1115	"	" Wt. 315. S. .95. Dates observed: 950 (L.M.C.), 951.	In dotted circle خدا الله سلطان ملكه شاه شير عرب بيا ٩٥١ ن

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No.	Mint Date	Obverse	Reverse
SHER SHAH Æ 1116*- 1117	Biana 951	In dotted circle في عهد العادل المظفر مير ابو الدنيا فريد و الدين Wt. 318. S. -95.	As on 1115. Pl. XIV.
1118	"	" but no dotted circle. Wt. 318. S. -95.	As on 1114, in dotted circle. The ضرب appears below بيا
1118A	"	[في] العادل عهد (sic) لامير المظفر ابو الدنيا و الدين S. -9. <i>Ref.</i> B.M.	خلد الله ملكه شاه سلطان شير ضرب بيا ٩٥١ [نت سنه ?]
<i>Type A. Mint in area.</i>			
1119	Chunār 950	In square في عهد (sic) لامير الحالسي (sic) M.m. 4 over ح <i>Margins</i> Bottom الدين Left الديان Top العادل Right (sic) eo. M.m. 9. Wt. 304. S. -95.	In square سلطان شاه شير ضرب چنار M.m. 4 in the ر of شير <i>Margins</i> Bottom خلد الله Left m.m. 9 ملكه Right و سلطانه Top ابو المظفر Pl. XIV.

* *Note to 1116.* Cf. *I.M.C.*, 685, for a slight variant in the arrangement of the Obv.

No.	Mint Date	Obverse	Reverse
Æ			
1119A	Chunār 950	<p><i>Type B. Mint in margin.</i></p> <p>Var. (a). شَاء - لامير شير</p> <p>As on 1119, but فی</p> <p>Wt. 316.</p> <p>S. 9.</p> <p>Ref. I.M.C., 687.</p>	
			SHER SHAH
1120*	" 950	<p>Var. (b). شَاء - الميرة شير</p> <p>In square</p> <p>في عهد الميرة الحاكم (sic)</p> <p>M.m. 4 over ح</p> <p>Margins</p> <p>Bottom الدين</p> <p>Top العادل</p> <p>Right سنة ٩٥٠</p> <p>Wt. 321.</p> <p>S. 95.</p> <p>Dates observed: 950, 951 (I.M.C.).</p>	<p>In square</p> <p>سلطان شاء شير خلد الله</p> <p>M.m. 57 over خ</p> <p>Margins</p> <p>Bottom ملك</p> <p>Right (traces of) عرب چنار</p>
			Pl. XIV.
1121	" 950?	<p>Var. (c). شاء - الاميرة شير</p> <p>In square</p> <p>في عهد الاميرة الحاكم (sic)</p> <p>M.m. 15 over ح</p> <p>Margins</p> <p>Bottom الدين</p> <p>Right سنة ٩٥٠ ?</p>	<p>In square</p> <p>سلطان شاء شير خلد الله</p> <p>Margins</p> <p>Bottom ملك</p> <p>Right عرب چنار</p> <p>M.m. 4 in شير of خلد</p> <p>— over خ of</p>
			Pl. XIV.

* Note to 1120. I.M.C., 884 is a half piece of this type without date.

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No.	Mint Date	Obverse	Reverse
Æ 1122	Chunār 950?	As on 1121, but فيعهد <i>Margins</i> Top العادل Right سنه ٩٥٠	As on 1121, but m.m. 12 over خ of خلد and m.m. 14 to left of شير <i>Margins</i> (traces of) Bottom ملكه Left و سلطان Top ابو المظفر Right ضرب چنار
1122A $\frac{1}{2}$	[„] ?	„ Wt. 153. S. .7. Margins obliterated. Ref. I.M.C., 692.	As on 1121. Margins obliterated.
1122B $\frac{1}{2}$	[„] ?	Var. (d). شير شاه الاميره As on 1121, but margins obliterated. Wt. 149. S. .7. Ref. I.M.C., 690.	In square شير شاه سلطان خلد الله ملكه <i>Margin</i> Top ابو المظفر
1123	„ ?	Var. (e). شير شاه الميره As on 1120, but slightly larger lettering and m.m. 99. Top margin only legible. Wt. 318. S. .95. Date observed : 951 (H. R. N.).	As on 1120, but شير شاه The ن of سلطان cuts the لطا ; — over خ <i>Margins</i> Top ابو المظفر Right ضرب چنار
1124	„ ?	As on 1123, but m.m. 55. No legible margin. Wt. 318. S. .95.	As on 1123, but m.m. 59 over خ <i>Margins</i> Bottom ملكه Left و سلطان

No.	Mint Date	Obverse	Reverse	
Æ 1125 ½	[Chunār] 950	As on 1124, but m.m. 14. Right margin سنہ ۱۵. Wt. 166.1. S. .75.	As on 1124, but m.m. 14 over خ No marginal legends visible.	SHER SHAH
1126 ½	[,,] 951	" Right margin سنہ ۱۵. Wt. 150. S. .75. <i>Dates observed: half paisa</i> 950, 951.	" but m.m. 14 in ن of سلطان	
1127- 1128 ½	[,,] ?	" but date off coin. Wt. 149.5; 146.7 (worn). S. .75.	" One has m.m. 99 over خ	
		Var. (f). Double square area.		
1129	" 951	As on 1123, but in double square, and m.m. 4 over ا Right margin سنہ ۱۵. Wt. 315. S. .9.	As on 1123, but in double square. Right margin (parts of) ضرب چنار	
1130	" ?	" but no margin legible, and m.m. 14 over ا Wt. 315. S. .9.	" Top margin ابو المظفر Right margin (parts of) ضرب چنار	

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No.	Mint Date	Obverse	Reverse
<i>Type C. السلطان العادل in area.</i>			
1131*	Chunār 95 -	In square د ل العا السلطان الامير الحاكم	In square شيرة ن شا سلطان الله ا خلد ملكه
		<i>Margins</i> Bottom الدين Right ١٥	<i>Margin</i> Right مرچنار
		Wt. 311. S. .95.	
		Date observed : 950 (R.B.).	
1132	" ?	<i>Margins</i> " Bottom الدين Top الدنيا M.m. 15 over مير S. .9.	Traces of " right marginal legend.
1133	" ?	<i>Margin</i> " Top في عهد S. .9.	" but much defaced.
<i>Type D. Without enclosing square.</i>			
1134 $\frac{1}{2}$	" ?	في عهد الا مير الحا [م] الدين و الديان ؟ M.m. 5 over حا Wt. 144.3 (worn). S. .75.	شيرة شاه خالد الله م [لكه] مرچنار

* Note to 1131. R.B.'s coin shows *ابن المظفر* and *فرید* in the other margins.

No.	Mint Date	Obverse	Reverse
Æ 1134A	Hissār 950	في عهد أمير الخاقان فرید الدنيا و الد Wt. 314.5. S. 95. Ref. I.M.C., 698.	ابو المظفر شیر شاه خلد الله ملكه ١٥٠ حمار عرب SHER SHAH
1135*- 1138	" 951	In square في عهد (sic) لأمير الخاقان M.m. 43 over ح <i>Margins</i> Top العادل Right m.m. ١٥١ Left الدنيا Wt. 318; 317. S. 1-9. <i>Dates observed:</i> 950 (L.M.C.), 951.	In square سلطان شاه شیر ب ر عمر حمار <i>Margins</i> Bottom خلد الله Left [ملكه] Right و سلطان Top ابو المظفر PL. XIV.
1139	"	" but m.m. 14 over ح <i>Margins</i> Bottom الدين? Left الدنيا ١٥١ Top العادل Right علي خالصه? Wt. 314. S. 1.	" Bottom and right margins legible.

* Note to 1135. Some coins have a star in place of the *sudstika*, others have a star in reverse area, others are without any m.m. L.M.C. 703 and 704 are half *pausa* of this type.

No.	Mint Date	Obverse	Reverse
SHER SHAH	Æ 1140	Hissār ?	As on 1139.
		As on 1139, but m.m. 43 over ح Right margin only legible.	
		Wt. 309. S. .9.	
	1141	" 952?	" " <i>Margins</i> " Bottom خلد الله Right ? re (sic) M.m. 4 over ج Wt. 310. S. .9.
	1142	" ?	" " but the ا of حصار cuts through the ر of شیر and حصار <i>Margins</i> Top ابو المظفر Right سلطانة
	1142A ½	Dehli ?	In square سلطان شاء شیر ضرب دهلی <i>Margins</i> illegible.
		In square في عهد لامير (sic) الحام M.m. 14 over ط <i>Margins</i> Left الدين Top [الديان] Bottom العادل Ref. H. R. N.	

No.	Mint Date	Obverse	Reverse
Æ 1143 ½	Sambhal 950	In square في عهد لامير (sic) الحا ۹۵۰ م Margins obliterated. Wt. 158. S. 75.	In square سلطان شاہ شیر سنبھل عرب Margins Top ابو المظفر Right خلد الله Bottom [ملک و] Left [سلطانہ] SHER SHAH
1144	" 951	but " ۹۵۱ Margins Bottom الدين Right العادل Wt. 321. S. 95. Dates observed : 950 (I.M.C.), 951; half paisa 950, 951 (B.M.).	Margins " Bottom ملک و Left سلطانہ M.m. 14 to left of شیر Pl. XIV.
1145* 1147	"	but margins " Top [السلطان] Right [العادل] Bottom فرید الدنيا Left و الدين ؟ Wt. 324; 322. S. 9. The lettering on these coins is cruder than on 1144. Dates observed : 951, 952 (B.M.); half paisa 951 (H. R. N.).	but margins " Top [ابو المظفر] Right خلد الله Bottom ملک Left و سلطانہ

* Note to 1145. A paisa of this year in the B.M. has سلطانہ in the bottom rev. margin
The half paisa has the unit of the date above ح.

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No.	Mint Date	Obverse	Reverse
Æ 1148	Shergarh 950	In square في عهد الامير (sic) الحا <i>Margins</i> Bottom الدين Left [الدين] Top العادل Right ١٥. Wt. 307 (worn). S. -95.	In square سلطان شاه شير شيرگڑہ عرب <i>Margins</i> Top ابو المظفر Bottom [خلد الله] Left ملکہ Right [و سلطانہ] Pl. XIV.
1149	" 951	<i>Margins</i> " Bottom الدين Right ١٥, m.m. 61. Top [العادل] Wt. 314. S. -95.	<i>Margins</i> " Top [ابو المظفر] Bottom خلد الله Left [ملکہ] Right سلطانہ Pl. XIV.
1150 ١٥	" ?	In circle في عهد الامير الحا Margin illegible. Wt. 33-6. S. -55. <i>Dates observed:</i> 950 (R. VI. 4-33 grs.), 951 (B.M.-30.4 grs.).	In circle سلطان شاه شير شيرگڑہ عرب Pl. XIV.
1151	Shergarh Fort 950	سلطان العادل شاه شير خلد الله خلافتہ Wt. 313. S. -95. <i>Dates observed:</i> 950, 951 (I.M.C., 733), 952 (H. R. N.).	قلعہ دار الحرب شيرگڑہ عرب ١٥. Pl. XIV.

No.	Mint Date	Obverse	Reverse
Æ 1152- 1155	Shergarh Fort 950	As on 1151. Wt. 314. S. .95.	As on 1151, but the third line seems to read ب شیر گره SHER SHAH
1156	" —	In square الامير الغازي في عهد <i>Margins</i> Top قلع گره شیر ? Right ضرب . . ? Wt. 323. S. .95.	In square سلطان (a) عادل شیر شاه M.m. 9 at (a). <i>Margins</i> Left الدنيا و الد ? Top ین Pl. XIV.
1157	" 951	Area as on 1156. <i>Margins</i> Bottom ۱۵۱ Left ب گره ضرب Wt. 321. S. .9.	"
1158 $\frac{1}{2}$	" —	<i>Margins</i> " Top قلع گره شیر ? Left ب ضرب Wt. 160. S. .8.	Area as on 1156. <i>Margins</i> Right الدنيا و الد ? Top ? Pl. XIV.

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No.	Mint Date	Obverse	Reverse
Æ 1159*- 1160	Shergarh Fort	Area as on 1156. <i>Margins</i> Right [عرف] مول? Left [ضرب] Wt. 321. S. .9.	Area as on 1156. <i>Margins</i> Bottom ابو المظفر فرید? Left الدنيا والد? Top [خلد الله] ين Right [ملک و سلطان] ملک Pl. XIV.
These are of cruder fabric; cp. <i>I.M.C.</i> , 738.			
1161	"	Area as on 1156. <i>Margins</i> Bottom [و گز] گز? Right قلعة شیر [گز] گز? Others missing. Wt. 321. S. .85.	In square عادل سلطان شاء شیر No m.m. <i>Margins</i> Top خلد الله? Left ملک و سلطان? Right الدنيا والدين? Bottom [ابو المظفر]؟ Pl. XIV.
Much finer lettering; cp. <i>I.M.C.</i> , 736.			
1162- 1163	Shergarh Dehli 950	In square في عهد لامير (sic) ۹۵۰ الحامه <i>Margins</i> Bottom [الدين] Left الديان Top السلطان Right العادل Wt. 320. S. .9.	In square سلطان شاء شیر ب شیر فر گز? <i>Margins</i> Top ابو المظفر Right خلد الله Bottom ملک و سلطان Left ب دهلی

Note to 1150. For a series of eight of these puzzling coins, see R (Lahor), Pt. I, p. 27 and Nos. 104-105 on pp. 30-31. Three of these have dates (951 and 952) in the lower obv. margin. For the name of the mint town Bunnūr is there suggested, but this is not convincing.

No.	Mint Date	Obverse	Reverse
Æ 1164- 1166	Shergarh Dehli 951	As on 1162, but ١٥١ and bottom margin shows الدين Wt. 317. S. .9.	As on 1162. SHER SHAH
1167	" 951	but ١٥١ "الحامى Margins Top السلطان Wt. 317. S. .9.	" Margins Bottom ملکہ عمر Left ب دہلی Pl. XIV.
1168	" 952	As on 1162, but ١٥٢ Wt. 320. S. .9. Dates observed : 950, 951, 952.	"
1169	"	but ١٥١ "الحامى Wt. 318. S. .9. Dates observed : 950 (H. R. N.), 952.	"
1170	Kālpī 949	السلطان العادل ابو شير المظفر شاه سلطان Wt. 319. S. .9.	[الله] خلد ملکہ ١٥١ ب کالپ عمر ١٥ are above the ١٥ and to the right of the ١ of کالپ Pl. XIV.




No.	Mint Date	Obverse	Reverse
Æ SHER SHĀH 1170A	Kalpī 949	السلطان أبو المظفر شیر شاه العاذل سلطان S. -9. Ref. B.M.	As on 1170.
1170B* $\frac{1}{2}$	"	As on 1170. Ref. B.M.	but ۛ to left of ل and ۛ over كالبی of ل
1170C $\frac{1}{2}$	"	" Ref. B.M.	As on 1170.
1171	"	[السلطان] العاذل أبو المظفر شا شیر سلطان S. -9.	but ۛ are to the left of the ل and ۛ over the ل of كالبی M.m. 14 over ۛ
1172*	"	السلطان العاذل أبو شیر المظفر شاه سلطان Wt. 315. S. -9.	but ب كالبی ۛ M.m. 4 to left of كالبی Pl. XIV.

* Note to 1170 B. H.R.N. has a half *poise* of this type with 949 to left of ل of كالبی.

* Note to 1172. I.M.C., 706, is a variant of this with كالبی and without star.

No.	Mint Date	Obverse	Reverse
Æ 1172 A	Kālpī 949	السلطان العادل أبو المظفر شير شاه سلطان Wt. 306. S. .8. Ref. I.M.C., 705.	خلد الله ملكه <hr/> عرب (a) كالب ١٣١ M.m. 62 at (a).
1172 B	" 950	السلطان [العادل] أبو المظفر شاه شير سلطان Wt. 315. S. .9. Ref. L.M.C., 849.	As on 1170, but ١٥٠. ١ is above the ال and ا. to left of the ب of عرب
1173 $\frac{1}{2}$	" 950	As on 1172. Wt. 150.5. S. .8.	"
1174 $\frac{1}{2}$	"	" Wt. 144.3. S. .8.	As on 1170, but ١٥. above and to left of لبي
1175- 1176	" 950	In square في عهد لامير (sic) الحال M.m. 4 above the ح Margins Bottom الدين Left الديان Top العادل Right ١٥. سنة Wt. 311. S. 1.	In square سلطان شاه شير ب كالب عرب Margins Top أبو المظفر Right خلد الله Bottom m.m. 9 ملكه Left و سلطانه

SHER
SHAH

	No.	Mint Date	Obverse	Reverse
SHER SHAH	Æ 1177	Kalpi 950	As on 1175, but  Wt. 311. S. 1. <i>Date observed: 950; half</i> <i>pausa 950 (H. R. N.).</i>	As on 1175.
	1178 $\frac{1}{2}$	950	but  M.m. 14 over ح Right margin only legible. Wt. 144.8. S. .75.	" Margins illegible.
	1179 $\frac{1}{2}$	" ?	As on 1178, but with only top margin legible. Wt. 158.2. S. .75.	" Left margin 
	1180	" ?	As on 1178, but <i>Margins</i> Bottom الدين Left الديان M.m. 3 over ح Wt. 315. S. .9. <i>Date observed:</i> 950 (H. R. N.).	As on 1175. Top and right margins legible.

No.	Mint Date	Obverse	Reverse
Æ 1181	Kalpi 951	As on 1180, but <i>Margin</i> Left ۱۵۱ سنة Others illegible. Wt. 308.6. S. .9. <i>Date observed: 951; half paise 951 (B. M. C.)—with star over</i> ح	As on 1180. Right and bottom margins legible. SHER SHAH
1182 $\frac{1}{2}$	” ?	As on 1172, but the ۱ of المظفر is to the left of ابو Wt. 148.6. S. .75.	الله خالد ملكه <hr/> كالبج (a) M.m. 62 at (a). Pl. XIV.
1183- 1185	Gwāliar 950	In square في عهد لامير (sic) الحا ۱۵۰ م <i>Margins</i> Top الدين Right [الدينان] Bottom السلطان Left العادل Wt. 319. S. .95.	In square ن سلطان شاء شير ب گوالير ضر The ۱ of سلطان cuts the ط <i>Margins</i> Bottom ابو المظفر Left خالد الله Top ملكه Right * و سلطان

*Note to 1183. This reads from the top downwards.

**SHER
SHAH**

No.	Mint Date	Obverse	Reverse
Æ 1186-1188	Gwāliar 960	As on 1183, but الحامى ١٥٠ and right margin الدينان	As on 1183. On one coin the ن of سلطان is to the left of ط
1189 $\frac{1}{2}$	"	" Margins illegible. Wt. 155. S. .75.	" Left margin خلد الله
1190	"	Square area as on 1183, but third line reads الحامى Right margin ١٥. m.m. 9. (سنة) Bottom [الدين] Left [الدينان] Wt. 305 (worn). S. .95. Cf. I.M.C., 697 for marginal readings.	Square area as on 1183. Bottom margin [خلد الله] Left [ملك 9] Right [سلطان] which reads from the bottom upwards. Top [ابو المظفر]
1191*	" 951	Area as on 1186, but ١٥١ Margins illegible. Wt. 317. S. .75.	Area as on 1183, but the ن of سلطان is to the left of ط, and the mint name reads كواليار M.m. 14 in the , of شير Margins illegible.
1192	" 951	" Wt. 312. S. .95.	Area as on 1183, but the ن of سلطان is to the left of ط Margins illegible.

*Note to 1191. B.M. has a variant with ١٥ مى. Cp. also I.M.C., 694.

**SHER
SHAH**

No.	Mint Date	Obverse	Reverse
Æ 1197	Lakhnau ?	but date off coin.	<p>[ابو المظفر] شاه سلطان شیر عرب خلد الله لکھنو ملکہ</p> <p>Pl. XIV.</p>
1198*	Malot 950	<p>In square</p> <p>في عهد (sic) لأمير الحا لے (sic)</p> <p>M.m. 4 over ح</p> <p><i>Margins</i> Bottom الد (a) ين Left الد (a) يان Right (sic) ١٥. (b) Top [العدل]</p> <p>M.m. 16 at (a). M.m. 9 at (b).</p> <p>Wt. 319. S. 1.</p>	<p>In square</p> <p>سلطان شاه شیر عرب ملوت</p> <p>M.m. 4 to left of شیر</p> <p><i>Margins</i> Bottom خلد ا (a) لله Right ملکہ (a) (b) Left و سلطان Top ابو ا (a) لمظفر</p> <p>M.m. 16 at (a). M.m. 9 at (b).</p>
1199	„	<p>Area as on 1198.</p> <p><i>Margins</i> Bottom (sic) ١٥. (b) سنة</p> <p>Right ... بين Left ... (a) الد</p> <p>M.m. 16 at (a). M.m. 9 at (b).</p> <p>Wt. 312. S. 1.</p>	<p>Area as on 1198.</p> <p><i>Margins</i> Top ابو المظفر Left ملکہ (a) (b)</p> <p>M.m. 16 at (a). M.m. 9 at (b).</p>

*Note to 1198. B.M. has a *paisa* (dateless) with m.m. 9 to left of شیر. Different marginal arrangements of these Malot coins are known.

No.	Mint Date	Obverse	Reverse
Æ 1200	Malot 951	<p>Area as on 1198, but no star.</p> <p><i>Margins</i></p> <p>Bottom ١٥١ (b)</p> <p>Right [الد (a) ين]</p> <p>Left الد (a) يان</p> <p>Top [العدل]</p> <p>M.m. 16 at (a).</p> <p>M.m. 9 at (b).</p> <p>Wt. 319.</p> <p>S. 1.</p>	<p>Area as on 1198, but</p> <p><i>Margins</i></p> <p>Right خلد ا (a) لله</p> <p>Top ابو المظفر</p> <p>Others illegible.</p> <p>M.m. 16 at (a).</p> <p>SHER SHAH</p>
1201	"	<p>As on 1200, but with m.m. 4 over ح and right margin showing الد (a) ين</p> <p>M.m. 16 at (a).</p> <p>Wt. 319.</p> <p>S. 1.</p>	<p>Area as on 1198, but</p> <p><i>Margins</i></p> <p>Left خلد ا (a) لله</p> <p>Bottom و سلطان</p> <p>(reads from inside)</p> <p>M.m. 16 at (a).</p> <p>Pl. XIV.</p>
1202-1205	Narnol 950	<p>In square</p> <p>في عهد (sic) لاميير (sic) الخالصة</p> <p>M.m. 4 over ح</p> <p><i>Margins</i></p> <p>Bottom الدين</p> <p>Left الدينان</p> <p>Top العدل</p> <p>Right ١٥٠ (a)</p> <p>M.m. 9 at (a).</p> <p>Wt. 329; 328; 322; 318.</p> <p>S. 95.</p>	<p>In square</p> <p>سلطان شاه شير نارنول ضرب</p> <p><i>Margins</i></p> <p>Bottom خلد الله</p> <p>Left ملكه (a)</p> <p>Right و سلطان read from Top ابو المظفر inside</p> <p>M.m. 9 at (a).</p>

No.	Mint Date	Obverse	Reverse
Æ SEER SHAH			
1206-1208	Narnol 951	As on 1202, but for Wt. 324 (2); 321. S. -95.	As on 1202. Pl. XIV.
1209-1211	" 952	but " for Wt. 325; 319; 313. S. -95. Dates observed: 950, 951, 952.	"
1211A*	Nau —	In square في عهد الامير الحامى Margins illegible. Wt. 291. S. -95. Ref. R. (Lahor, Pt. I, p. 25 (59)).	In square سلطان شاه شير عرب نو Margins illegible.

WITHOUT MINT NAME.

Type A—السلطان

Var. (a).


1212-1214	947	في عهد الامير الحامى الدين الديان ١٣٧ سنة M.m. 3 over مير Wt. 307; 309; 312. S. -85. Dates observed: 946 (H. R. N.), 947, 950 (B.M.C., 562); half <i>paisa</i> 947 (I.M.C., 742).	ابو المظفر شاه ن شير السلطان خلد ملكه of السلطان does not cut the initial ا
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*Note to 1211 A. This may be a blundered coin of Abd.

No.	Mint Date	Obverse	Reverse
Æ			
1214A	947	<p>As on 1212. Wt. 315. S. .85. <i>Ref. I.M.C., 741.</i> <i>Dates observed:</i> 947 (I.M.C.); half <i>paisa</i> 948 (I.M.C., 743).</p>	<p>SHER SHAH</p> <p>Var. (b). As on 1212, but in last line adding الله</p>
1215	948	<p>As on 1212, but "١٢٨</p> <p>Wt. 312. S. .9.</p> <p><i>Dates observed:</i> 948, 949 (B.M.); half <i>paisa</i> 947, 948 (B.M.), 949.</p>	<p>Var. (c). As on 1212, but the ن of السلطان cuts also the initial ا</p> <p>Pl. XV.</p>
1216 $\frac{1}{2}$	949	<p>but "١٢٩</p> <p>Wt. 156.7. S. .7.</p>	<p>"</p>
1217 $\frac{1}{2}$	?	<p>but date indistinct.</p> <p>Wt. 150.6. S. .7.</p>	<p>"</p>
1218 $\frac{1}{2}$	949	<p>As on 1215, but "١٢٩</p> <p>Wt. 152.2. S. .7.</p> <p><i>Dates observed:</i> 949, 950 (I.M.C., 745).</p>	<p>Var. (d). As on 1215, but m.m. 33 in ن of السلطان and adding الله</p>
1219 $\frac{1}{2}$	?	<p>but date off coin.</p> <p>Wt. 155.8. S. .75.</p>	<p>but m.m. 4 in ن of السلطان</p>

**SHER
SHAH**

No.	Mint Date	Obverse	Reverse
Æ			
1219 A	949	<p>في عهد الامير الخامس الدين الدين ١٣٤٩</p> <p>S. ٠9. Ref. B.M.C., 560.</p>	<p>Var. (c).</p> <p>ابو المظفر ن شا السلطان شير الله خلد ملكه</p> <p>The ن cuts only the second ل of السلطان</p>
الطـاـن Type B			
1220	948	<p>As on Type A, but ١٣٨</p> <p>Wt. 318. S. ٠9.</p> <p>Dates observed: 948, 950 (B.M.), 951 (I.M.C., 747).</p>	<p>ابو المظفر ن [شاء] السلطان شير خلد الله ملكه</p> <p>Pl. XV.</p>
Type C.			
1220 A	951	<p>في عهد الامير الخامس و لداين (sic) الدين ١٥١</p> <p>Wt. 317. S. 1. Ref. I.M.C., 748.</p>	<p>ابو المظفر شاء السلطان شير خلد الله ملكه</p>

No.	Mint Date	Obverse	Reverse
SEER SHAN			
<i>Type D.</i>			
<i>Var. (a).</i>			
Æ 1221- 1222	950	<p>في عهد الأمير الحامع فر. ٩٥٠ نيا يد الدين والد M.m. 43 under date. Wt. 310 (2). S. .95.</p>	<p>ابو المظفر شير شاء السلطان خلد الله ملكه Pl. XV.</p>
1223	951	<p>but " ٩٥١ Wt. 313-6. S. .95.</p>	
<i>Var. (b).</i>			
1224* $\frac{1}{4}$	949	<p>As on 1221, but  م (a) نيا الدين الد ٩٤٩ M.m. 43 at (a). Wt. 75-5. S. .65. Dates observed: <i>paisa</i> 950 (I.M.C., 752); <i>quarter paisa</i> 949.</p>	<p>As on 1221. Pl. XV.</p>

*Note to 1224. See I.M.C., 754 for another (undated) quarter *paisa*.

**SHER
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









No.	Mint Date	Obverse	Reverse
Æ			
1224A	949	<p>في عهد الامير الخامس ١٣٩١ الدين و الدنيا</p> <p>Wt. 318. S. -95.</p> <p><i>Ref. I.M.C., 755.</i></p>	<p>المظفر ابون سلطان شير الله ملكه خلد</p>
1225- 1226	949	<p>في عهد الامير الخامس ١٣٩١ بن نيا الد والد</p> <p>Wt. 313; 312. S. -95.</p>	<p>المظفر بوشاه شير سلطان الله ملكه خلد</p>
1227- 1229	950	<p>نيا but 10. over "</p> <p>Wt. 313; 317. S. -95.</p> <p><i>Dates observed : 949, 950, 951 (H. R. N.).</i></p>	<p>"</p>
1230	950	<p>في عهد الامير الخامس الدين الديان 10.</p> <p>Wt. 316. S. -95.</p>	<p>المظفر شاه ن شير سلطان خلد الله ملكه</p>

Pl. XV.

Pl. XV.

No.	Mint Date	Obverse	Reverse
<i>Æ</i> 1231- 1232 $\frac{1}{2}$	950	As on 1230. Wt. 148.8; 149.7. S. .75.	As on 1230.
1233- 1234 $\frac{1}{2}$	?	" but date indistinct, probably 10. Wt. 154.6; 155. S. .75.	"
1235- 1236	951	" but 101 and m.m. 4 to right of date. Wt. 309. S. .9.	"
1237 $\frac{1}{2}$	"	" Wt. 155.3. S. .7.	"
<p><i>Dates observed:</i> 949 (B.M. with inverted m.m. 9 below الله), 950, 951—also half <i>paisa</i> of 949 (B.M.), 950, 951.</p> <p><i>Type H—m.m. 15 between شاه and ن</i></p> <p>Var. (a).</p>			
1238*- 1240	949	As on Type G, but 141 Wt. 310; 312. S. .9.	<p>ابو المظفر شاه (a) ن شیر سلطا خلد الله ملكه</p> <p>M.m. 15 at (a).</p>

*Note to 1238. B.M. has a variant of this type with خلد الله, date 949. The *paisa* and half *paisa* of 952 have m.m. 9 in the ن.

No.	Mint Date	Obverse	Reverse
Æ SHER SHAH 1241- 1243	950	As on 1238, but to. Wt. 321 (2); 312. S. -9. <i>Dates observed: 949, 950, 951 (I.M.C., 886), 952 (I.M.C.);</i> <i>half paisa 952 (B.M.).</i>	As on 1238. Pl. XV.
1244* $\frac{1}{2}$	?	As on 1238, but date off coin. Wt. 159.2. S. -75.	As on 1238, but m.m. 97 between  and  Pl. XV.
1244.A	95-	As on 1238, but m.m. 56 above  and  Wt. 308. S. -9. Ref. B.M.	As on 1238, but m.m. 12 between  and 
1245- 1246	951?	As on type G, but  and ? to: Wt. 314; 311. S. -9.	As on Type H, but m.m. 4 to right of  and omitting  and m.m. 15. Pl. XV.
1247 $\frac{1}{2}$	952	but  Wt. 148.6. S. -65. <i>Dates observed: 950 (B.M.), 951 (I.M.C.); half paisa 951</i> <i>(I.M.C.), 952.</i>	"

*Note to 1244. This may be a half paisa of Awadh, cf. No. 1118.

No.	Mint Date	Obverse	Reverse
Æ 1248- 1250 $\frac{1}{2}$	?	As on 1245, but date off coin. Wt. 156.5; 155.3; 160. S. .65.	As on 1245. SHER SHAH
1251* 1253	950	Type J—m.m. 16 between <i>ابو</i> and <i>شاء</i> في عهد امير الحامس فريد و الدنيا الدين [١٥٠] سنة Wt. 325; 323. S. .95.	المظفر ابو (a) شاء شير سلطان خلد الله ملكه M.m. 16 at (a). Pl. XV.
1254	951	Type K—square areas. Var. (a). In square في عهد (a) لأمير (sic) الحا ١٥١ م Margins Bottom العادل? Left الدين M.m. 14 at (a). Wt. 320. S. .9.	In square سلطان شاء شير خلد الله Margins illegible. Pl. XV.
1254 A	951	Var. (b). As on 1254, but في العهد امير Wt. 319; 321. S. .9. Ref. I.M.C., 770 (fig.).	As on 1254, but in fourth line ابو المظفر و سلطان Right margin

*Note to 1251. H.R.N. has a variant of this type of 950 with date above الدنيا.

No.	Mint Date	Obverse	Reverse
Æ		<i>Type N.</i>	
1256B	—	<p>في عهد الامير الخامس الدين الدين</p> <p>Wt. 314.5. S. .95.</p> <p><i>Ref. L.M.C., 873 (fig.).</i></p>	<p>ابو المظفر شاه سلطان شير الله ملكه خلد</p>
SMALL PIECES.			
1257* $\frac{1}{4}$	945	<p>In double hexagon with curved side</p> <p>شاه شير السلطان</p> <p>Wt. 81.5. S. .55.</p>	<p>In hexagon with curved sides</p> <p>خليفة الزمان ١٥٥</p> <p>Pl. XV.</p>
1258- 1259 $\frac{1}{8}$	947	<p>سلطان شاه شير العاذل ١٣٧</p> <p>Wt. 45.5; 39.5. S. .55.</p>	<p>السلطان الزمان خليفة</p> <p>Pl. XV.</p>
1260- 1261 $\frac{1}{8}$	948?	<p>but " ١٣٨?</p> <p>Wt. 43.1; 44.3. S. .55.</p>	<p>"</p>

*Note to 1257. R. VI (1) figures a coin of this type and date, but weighing only 63 gra. That may be a fifth of a *pausa*.

SHER SHAH	No.	Mint Date	Obverse	Reverse
	Æ 1262 $\frac{1}{8}$	?	As on 1258, but date off coin. Wt. 43.1; 44.3. S. .55.	As on 1258.
	1263- 1264 $\frac{1}{8}$	948	السلطان شاء شير العاذل ٩٤٨ Wt. 42. S. .5.	الزمان خليفة السلطان
	1265- 1266 $\frac{1}{8}$	949	but " ٩٤٩ Wt. 37; 40. S. .5. <i>Dates observed: 948, 949, 951 (H. R. N.).</i>	"
	1267- 1269 $\frac{1}{8}$	?	As on 1263, but date off coin. Wt. 41.5; 42.7; 37.2. S. .5.	"
	1270 $\frac{1}{10}$	—	شاء شير السلطان Wt. 29.7. S. .45. Cf. I.M.C., 777 (fig.).	In hexagon with curved sides خليفة الزمان ٩٠٠٠

No.	Mint Date	Obverse	Reverse
Æ 1270A ١٢٧٠	945	As on 1270. Wt. 28.9. S. .45. Ref. B.M.	In square with dots in lower segment SHER SHAH خليفة الزمان ١٣٥
1271* 1272 ١٢٧٢	946	" Wt. 20.3; 21.5. S. .4.	خليفة الزمان ١٣٦ Pl. XV.
1273- 1274 ١٢٧٤	947	" Wt. 25; 22.3. S. .4.	but " ١٣٧
1275* 1277 ١٢٧٧	?	" Wt. 22.2; 21.9; 20.5. S. .4.	but date off coin.
1278 ١٢٧٨	94-	" Wt. 17.7. S. .4.	but " ١٣-
1279 ١٢٧٩	?	" Wt. 16. S. .4.	but date off coin.
1280- 1281 ١٢٨١	94-	" Wt. 14.6; 14.4. S. 3.5.	but " ١٣-

*Note to 1271. Reference may here be made to the coin of this weight figured in R. VI. 5 and dated 948. The attribution to Sher Shah is, however, open to doubt.

*Note to 1275. One of these reads more like عبد
الزمان on the reverse.

No.	Mint Date	Obverse	Reverse
ISLĀM SHĀH ISLĀM SHĀH A.H. 952-960. A.D. 1545-1552.			
GOLD			
1282*	[Sherghadh 'urf Bakkar] 95?	In square, the Kalima. Margins illegible. (Ringed). S. 95. Cp. Nos. 1295-1302.	In square شاه ابن ۱۵۲ اسلام شاه سلطان شیر خدا الله ملکہ M.m. 43 over خ Margins illegible. Pl. XV.
1282A	— 957	The Kalima. Wt. 170.8. Ref. H. R. N.	شاه اسلام شاه سلطان شیر خدا الله ملکہ ۱۵۷
SILVER			
1282B	Āgrah 952	In square with looped corners, the Kalima. M.m. 4 in lower left corner. <i>Margins</i> Bottom ابابکر الصدیق Left عمر الفاروق Top عثمان العثمان Right علی المرتضی Wt. 176. S. 1.1. Ref. I.M.C., 780.	In square with looped corners شاه اسلام بن سلطان شیر شاه خدا الله ملکہ वीरसजमसह <i>Margins</i> Left السلطان ابن السلطان Top جلال الدین Right والدين ابو المظفر Bottom ضرب آگرہ
<i>Dates observed:</i> 952 (I.M.C.), 953, 954 (these have m.m. 43 over خ of خلد), 955 (m.m. 9 over خ), 956 (m.m. 63 in place of m.m. 4), 957, 960 (m.m. 47 in place of m.m. 4).			

*Note to 1282. R. IV. 29 figures a square gold coin of Islām Shāh, without date or mint, but it is of doubtful authenticity.

No.	Mint Date	Obverse	Reverse
R 1283	Biāna 953	In square, the Kalima. <i>Margins</i> Bottom أبو بكر المديني Left عمر الفاروق Top [عثمان العفان] Right [علي المرتضى] Wt. 167.8 (worn). S. 1-1.	In square شاه بن اسلام سلطان شاه شیر خلد الله ملكه श्रीरससेमसाही <i>Margins</i> Left [جلال الدنيا] Top و الدين Right ابو المظفر Bottom ۱۰۳ بیانا
1284	" 953	As on 1283. Wt. 174.3. S. 1-1.	As on 1283, but ۱۰۳ is in the curve of the ر of شیر in the area, instead of in the bottom margin. Left and top margins missing. Pl. XV.
1285*	Chunār 953	In square, the Kalima. ۱۰۴ (sic) in lower left corner. <i>Margins</i> Top أبو بكر المديني Bottom عمر الفاروق Left عثمان العفان Right علي المرتضى Wt. 178.3. S. 1-1. Dates observed : 953, 955, 956 (H. R. N.).	In square شا سلطان (sic) اسلام شیر شاه خلد الله ملكه ... ससेमसाही <i>Margins</i> Right ضرب چنار Top [ابو المظفر] Bottom [جلال الدنيا] Left [و الدين] Pl. XVI.

*Note to 1285. Cf. I.M.C., 784, which has the ۱ of شاه above the س of سلطان on rev. The coins of 955, 956 have بن to left of اسلام on rev. I.M.C., 785, gives a probable Chunār coin of 955 with different obv. marginal legends.

No.	Mint Date	Obverse	Reverse
AR 1286* SLĀM SHĀH	[Raisen] 952	In square, the Kalima. <i>Margins</i> Left ابو بكر و عمر Top و عثمان Right و علي ضرب Bottom [قلع راسين] Wt. 174.5. S. 1.1.	In square شاه ابن اسلام ن شاه سطا شير خلد الله ملكه श्रीहस्तिमसाह M.M. 14 to left of ملكه <i>Margins</i> Left السلطان جلال Top العادل Right ابو المظفر الدين Bottom ٩٥٢ سنه Pl. XVI.
1287	Satgāon 952	In circle, the Kalima. <i>Margin</i> ابا بكر صديق عمر خطاب عثمان عفان على مرقى السلطان العادل Wt. 176.2. S. 1-15.	شاه اسلام ابن شاه سلطان خلد شير الله ملكه و سلطان و اعلى امرة و شانه <i>Margin</i> جلال الدنيا و الدين ابو المظفر श्रीहस्तिमसाह ٩٥٢ Pl. XVI.
1287A*	" 952	As on 1288, but الله in second line and m.m. 64 below ٩٥٢ Wt. 173. S. 1-2. Ref. B.M. Dates observed: 952, 953 (B.M.).	As on 1288.

*Note to 1286. See J.R.A.S., Oct. 1900, p. 785 (No. 30) for a similar coin in the B.M. with the mint-name in the bottom obverse margin.

*Note to 1287A. H.R.N. records a similar coin with right and left rev. margins interchanged. See also N.S. xlii, p. 20.

No.	Mint Date	Obverse	Reverse
1288	Satgāon 953	<p>In square, the Kalima. ^{١٥٣} in lower left corner to left of الله</p> <p><i>Margins</i> Bottom ابو بكر صديق Left عمر خطاب Top عثمان عفان Right على مرتضى Wt. 171.2. S. 1-2.</p>	<p>In square اسلام شاه ابن شير شاه سلطان خلد الله ملكه و سلطان</p> <p>SHIRSHAH</p> <p><i>Margins</i> Left ابو المظفر Right (traces of) جلال الدنيا Top و الدين Bottom عرب سگانو</p>
1289	" 955	<p>As on 1288, but ^{١٥٥}</p> <p>Wt. 163.8 (worn). S. 1-18.</p>	As on 1288.
1290	" 957	<p>but ^{١٥٧} سنة</p> <p>Wt. 176. S. 1-2.</p>	"
			PL XVI.
		<p><i>Dates observed:</i> 953, 954 (H. R. N. but with right and top rev. margins interchanged), 955, 957.</p>	
1291	Sharfabad 953	<p>In double circle, the Kalima.</p> <p><i>Margin</i> ابو بكر عمر عثمان على * السلطان العادل M.m. 42 at *. Wt. 177.1. S. 1-2.</p> <p><i>Dates observed:</i> 952 (N. S. xlii, p. 20), 953.</p>	<p>In double circle شاه اسلام سلطان ابن شير شاه سلطان خلد الله ملكه</p> <p><i>Margin</i> جلال الدنيا و الدين ابو المظفر شريفabad ١٥٣ شيرشاه</p>
			PL XVI.

No.	Mint Date	Obverse	Reverse
SLĀM SHĀH 1291A 1/4	Sharif- ābād 953	As on 1291. <i>Ref. E. von Zambaur, 'Contributions à la numismatique orientale', 1905, Pt. I, p. 73, no. 221.</i>	As on 1291.
1292	Shergarh 952	In double square, the Kalima. ۛۛ in lower left corner. <i>Margins</i> Top ابا بکر صدیق Right عمر خطاب Bottom عثمان عفان Left علی المرتضی Wt. 174.5. S. 1.05.	In double square شاء سلطان اسلام شیر شاء * خلد الله ملکہ شیخ سلیمان ساہی M.m. 97 at *. <i>Margins</i> Bottom ابو المظفر Left ضرب شیرگزہ Top [جلال الدین] Right [و الدین] Pl. XVI.
1293	" 955	but " ۛۛ Bottom and left margins only visible. Wt. 171.6. S. 1.05.	but m.m. 43 in area.
1294	" 956	but " ۛۛ and m.m. 33 in curve of , of رسول Traces of right and bottom margins. Wt. 173.5. S. 1.15. <i>Dates observed: 952, 955, 956.</i>	" " " " " " " " Traces of marginal legends only.

No.	Mint Date	Obverse	Reverse
ISLĀM SHĀH	AR		
1296	Shergadh Bakkar 953	As on 1295. Wt. 177.7. S. 1-1.	As on 1295, but ۱۳ (<i>sic</i>) in top left corner of area and m.m. 60 over ع In Nagari सह
1297	" 953	" Wt. 174.5. S. 1-12.	As on 1296, but ۱۴ and m.m. 15 over ع
1298	" 954	" Wt. 174.7. S. 1-08.	but ۱۳ (<i>sic</i>) and m.m. 43 over ع
1299	" 955	" Wt. 173.2. S. 1-1.	but ۱۳ (<i>sic</i>) and m.m. 43 over ع M.m. 14 under الله
1300	" 959	" Wt. 177. S. 1-1.	As on 1295. but ۱۴ and m.m. 16 over ع and m.m. 14 under الله Pl. XVI.
1301	" 960	" Wt. 178. S. 1-07.	As on 1300, but ۱۴ . (<i>sic</i>).
1302	" 962	" Wt. 177.7. S. 1-02.	but ۱۴ (<i>sic</i>). No m.m. 14 under الله

Dates observed : 952, 953, 954, 955, 958 (H. R. N. as on 1300), 959, 960, 962.

No.	Mint Date	Obverse	Reverse
AR 1303	Shergarh Dehli 952	In square, the Kalima. M.m. 9 in lower left corner. <i>Margins</i> Bottom ابا بكر المدين Left عمر الفاروق Others missing. Wt. 172 (worn). S. 1-1.	In square شاه بن اسلام سلطان شير شاه خدا الله ملكه سید سلطان ساه <i>Margins</i> Right الدين ابو المظفر Bottom شير شاه دہلی Others missing.
1304	" 953	As on 1303, but margins Top عثمان ابو النورين Right على المرتضى Wt. 176-7. S. 1-07.	As on 1303, but for In Nāgarī सह and left margin السلطان بن السلطان Pl. XVI.
1304A	Fathābād 952	In a circle, the Kalima. M.m. 9 to left of الله The ل of رسول in last line. <i>Margin</i> ابا بكر عمر عثمان على السلطان العادل Wt. 177-1. S. 1 16. Ref. N.S. xlii, p. 19 (now in I.M.).	In a circle شاه اسلام ابن شاه الله شير سلطان خدا ملكه و سلطا و اعلى (1) امرو نه <i>Margin</i> reading counter clockwise—except Nāgarī شیر فتح آباد ۹۵۲ جلال الدنيا و الدين ابو المظفر سید سلطان ساه Nāgarī ends at 6 o'clock.

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No.	Mint Date	Obverse	Reverse
R 1304B	Fathābād 952	As on 1304 A. Wt. 177.36. S. 1.19. Ref. N.S. xlii, p. 19 (now in I.M.).	As on 1304 A, but m.m. 65 between ۱۰۴ and جلال in rev. margin which starts at 12 o'clock.
1304C	"	" Wt. 177.46. S. 1.21. Ref. N.S. xlii, p. 19 (now in I.M.).	As on 1304 B, but margin starts at 6 o'clock.
1305	Kalpi 952	In square, the Kalima. ۱۰۴ in lower left corner. M.m. 4 over الله <i>Margins</i> Bottom ابا بكر الصديق Left على المرتضى Others missing. Wt. 173.6. S. 1.07.	In square شاه بن اسلام شيرة ن شا سلطان خلد الله ملكه श्रीरसजगसहि <i>Margins</i> Top [جلال الدنيا و] Right (traces of) الدين ابو المظفر Left [السلطان ابن السلطان] Bottom (traces of) عرب كالبي

No.	Mint Date	Obverse	Reverse
R 1306	Kālpi 952	As on 1305, but m.m. 4 in lower left corner and no date. Margins defective. Wt. 175. S. 1-12.	In square شاه بن اسلام سلطان شیر شا خدا الله ملكه آديشاهमसहे <i>Margins</i> Left السلطان بن السلطان Bottom (traces of) ضرب كالپی Others missing.
1307	" 953	In square, as on 1306. <i>Margins</i> Bottom ابا بكر الصديق Left عمر الفاروق Top عثمان العفان Right على المرتضى Wt. 177.2. S. 1-12.	As on 1306, but for <i>Margins</i> Left السلطان ابن السلطان Top جلال الدنيا و Right الدين ابو المظفر Bottom ضرب كالپی PL XVI.
1308*	" 956	In square, as on 1306. Right margin missing, others as on 1307. Wt. 173. S. 1-05. <i>Dates observed</i> : 952, 953, 954 (I.M.C.), 955 (Bod.), 956, 960 (H. R. N.).	As on 1306, but for Top margin missing, others as on 1305.

*Note to 1308. H.R.N. has this coin with right and top margins of rev. interchanged.

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No.	Mint Date	Obverse	Reverse
1309	Gwāliar 952	In square, the Kalima. <i>Margins</i> Bottom [أبا بكر الصديق] Left عمر الفاروق Top عثمان العفان Right [علي المرتضى] Wt. 175-1. S. 1-1.	In square شاه بن اسلام شاه سلطان شیر خلد الله ملكه آریہ سلسلہ مسعود M.m. 66 over خ <i>Margins</i> Left [ابن السلطان] Bottom ضرب گوالیر Right [جلال الدنيا و] Top الدين ابو المظفر Pl. XVI.
<i>Dates observed : 952, 953, 954, 955, 956, 957, 958, 959, 960. Various marks appear in the lower left corner of obv.</i>			
1310	" 955	As on 1309, but margins Bottom أبا بكر الصديق Right علي المرتضى Wt. 176-1. S. 1-2.	As on 1309, but ۱۰۰ and m.m. 67 over خ <i>Margins</i> Top (traces of) جلال الدنيا و Right الدين ابو المظفر
1311	" 956	As on 1309. Wt. 172-5. S. 1-05.	As on 1309, but ۱۰۱ and only bottom margin legible. M.m. 68 over خ
1312	" 957	" Left and top margins missing. Wt. 171-3 (worn). S. 1-05.	As on 1309, but ۱۰۲ and only bottom margin legible. M.m. 69 over خ

No.	Mint Date	Obverse	Reverse
R 1313	" 958	As on 1309. Left and top margins defective. Wt. 176.4. S. 1.05.	As on 1309, but 10a M.m. 9 over خ ISLĀM SHĀH
1314*	Nārnol 960	In square, the Kalima. <i>Margins</i> Bottom [أبا بكر المديني] Left [عمر الفاروق] Top عثمان العفان Right علي المرتضى Wt. 177.2. S. .95.	As on 1306, but 11. <i>Margins</i> Left السلطان بن السلطان Top [جلال الدنيا و] Right [الدين ابو المظفر] Bottom ضرب نارنول Pl. XVI.
UNASSIGNED MINT.			
1315*	? 956	In square, the Kalima in two lines. Below <hr/> <i>(sic)</i> غوس الاسلام و الملك Bottom margin ضرب Wt. 163. S. .95. Dates observed: 956, 957 (B.M.C.).	In square اسلام شاه سلطان بن شير شاه سلطان خلد الله ملكه و سلطاناه ٩٥٦ Below, Nāgarī characters meant for जी इसलाम सा . ? Pl. XVI.

*Note to 1314. A square rupee of the same year in the cabinet of H.R.N. is probably of this mint.

*Note to 1315. From its weight and type this coin probably issued from a Bengal mint. See note to I.M.C., 814 (a).

ISLĀM SHĀH	No.	Mint Date	Obverse	Reverse
	AR			
	1315A*	? 956	<p>As on 1285, but ۱۰۱</p> <p><i>Margins</i></p> <p>Top ابا بکر</p> <p>Right عمر</p> <p>Bottom عثمان</p> <p>Left علی</p> <p>Wt. 175.1.</p> <p>Ref. H. R. N.</p>	<p>As on 1285, but m.m. 100 to left of شاه</p> <p>M.m. 35* over خ of خلد</p> <p><i>Margins</i></p> <p>Right ابو المظفر</p> <p>Left جلال الدنيا و الد</p> <p>Top ین عرب . . .</p> <p>Bottom missing.</p>
WITHOUT MINT NAME.				
A. Jahānpanāh type.				
	1316	— 956	<p>In square, the Kalima. ۱۰۱ in lower left corner.</p> <p><i>Margins</i></p> <p>Top ابا بکر الصدیق</p> <p>Right عمر خطاب</p> <p>Bottom عثمان عفان</p> <p>Left علی المرتضی</p> <p>Wt. 175. S. 1.2.</p> <p><i>Dates observed :</i> 955 (I.M.C., 793), 956.</p>	<p>In square</p> <p>شاه سلطان</p> <p>اسلام</p> <p>شیر شا</p> <p>خلد الله ملكه</p> <p>श्रीसज्जमसाह</p> <p>M.m. 70 to left of شاه</p> <p><i>Margins</i></p> <p>Bottom ابو المظفر</p> <p>Left جهانپناه</p> <p>Top جلال الدنيا</p> <p>Right و الدين</p>
	1317	— 956	"	As on 1316, but m.m. 71

Pl. XVI.

* Note to 1315 A. For this m.m. see 1083. Possibly from the Chunār Mint.

No.	Mint Date	Obverse	Reverse
R		<i>B. ۱۴۷۷ type.</i>	
1318	— 953	In square, the Kalima. <i>Margins</i> Bottom ابا بكر الصديق Left عمر الفاروق Top عثمان العفان Right علي المرتضى Wt. 170.5 (worn). S. 1.3.	In square اسلام شاه ابن شير شاه سلطان خلد الله ملكه ۱۴۷۷ सीहसल्लेमसाहि <i>Margins</i> Right جلال الدنيا Bottom والدين ابو المظفر Left السلطان العادل Top ۱۴۷۷ M.m. 25 in top margin.
<i>Dates observed: 952 (I.M.C.), 953, 954, 955, 956, 957, 958, 959, 960.</i>			
1319	— 954	As on 1318. Wt. 175.7. S. 1.3.	As on 1318, but ۱۴۷۷ and in Nagari हुसलाम
1320	— 955	" Wt. 174.3. S. 1.2.	but ۱۴۷۷
1321	— 956	" Wt. 167.8 (worn). S. 1.3.	but ۱۴۷۷ PL XVII.
1322	— 957	" Wt. 168.5 (worn). S. 1.2.	but ۱۴۷۷
1323	— 958	" Wt. 175. S. 1.28.	but ۱۴۷۷

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No.	Mint Date	Obverse	Reverse
<i>R</i> 1324	— 959	As on 1318. Wt. 173.8. S. 1.3.	As on 1319, but ۱۰۱
1325	— 960	" Wt. 172.2. S. 1.3.	but "
<i>C. Circular areas type.</i>			
1326*	— 954	In circle, the Kalima. <i>Margin</i> ابا يكر عمر عثمان * على السلطان العادل * M.m. 9 at * * Wt. 175. S. 1.32.	In circle شاه اسلام ابن شهر شاه سلطان و سلطانه خلد الله ملكه و اعلى امره <i>Margin</i> جلال الدنيا و الدين ابو المظفر سید خسرو صاحب ۱۰۴ M.m. 25 at * Pl. XVII.
1326A*	— 954	" Wt. 176. S. 1.25. <i>Ref. I.M.C., 803.</i>	" but ۱۰۴ سنة inverted.

*Note to 1326. Mr. Stapleton in N.S. xlii gives a coin of this type without the m.m. in reverse margin. He reads فتح آباد instead of و اعلى امره. But this reading cannot, I think, be accepted.

*Note to 1326A. Mr. Stapleton (N.S. xlii, p. 21) gives a coin of this type without m.m. in obverse margin. (Wt. 176.7 grs.)

No.	Mint Date	Obverse	Reverse
R 1327 1328		<p style="text-align: center;"><i>Type D.</i></p> <p>In square, the Kalima. ۱۰۶ in lower left corner. M.m. 9 over و of رسول</p> <p><i>Margins</i> Top ابا بكر صديق Right عمر خطاب Bottom عثمان عفان Left علي مرتضى</p> <p>Wt. 177.2. S. 1.1.</p>	
			<p>In square شاه بن اسلام سلطان شاه شير خلد الله ملكه</p> <p>M.m. 4 over ب</p> <p><i>Margins</i> Top جلال الدنيا Left و الدين Right ابو المظفر Bottom ?</p> <p style="text-align: right;">Pl. XVII.</p>
1329	— 953	<p style="text-align: center;">"</p> <p>Wt. 162.5 (worn). S. 1.1.</p>	<p>As on 1327, but below area सीसखमस . . .</p>
 1329		<p style="text-align: center;"><i>Type E.</i></p> <p>In square, the Kalima. M.m. 72 over و of رسول ۱۰۶ (sic) in lower left corner.</p> <p><i>Margins</i> Top ابو بكر Left عثمان Others missing.</p> <p>Wt. 172.5. S. 1.1.</p>	
			<p>In square شاه سلطان اسلام شير شاه خلد الله ملكه सीसखमसाह</p> <p>Margins defective. Bottom ? و الدين M.m. 72 over خ</p>

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No.	Mint Date	Obverse	Reverse
ISLĀM SHĀH			
Æ		<i>Type F.</i>	
1330*	— 956	<p>In square, the Kalima. ۱۵۱ in lower left corner.</p> <p><i>Margins</i> Top [ابو بكر] Bottom ? عمر العادل Right على المرتضى Left missing.</p> <p>Wt. 174.5. S. 1.05.</p>	<p>In square, as on 1329, but بن (inverted) to left of سلطان. Nāgarī reads हुसलेम and appears to be continued into the bottom margin with the word सत्ताता . . .</p> <p>The other margins are too defective to be read with any certainty.</p> <p>Pl. XVII.</p>
1330A	— 959	<p>As on 1309.</p> <p>Wt. 176. S. .95.</p> <p>Ref. I.M.C., 813.</p>	<p>As on 1309, but ۱۵۱ over the خ of خلد as well as to left of ملك</p>
Æ		COPPER	
1331- 1332	Alwar 954	<p>في عهد الامير الخامس الدين الدين ۱۵۴</p> <p>M.m. 14 over مير</p> <p>Wt. 308; 313. S. .85.</p> <p><i>Dates observed:</i> 953 (B.M.), 954, 955 (I.M.C.), 957 (H. R. N.—date over الدين).</p>	<p>[ابو المظفر] شاء اسلام سلطان بن شير شاه خلد الله ملكه عرب الور</p>
1333- 1335	" ?	<p>" but date uncertain. M.m. 3 over مير</p> <p>Wt. 308 (2). S. .85.</p>	<p>"</p> <p>Pl. XVII.</p>

*Note to 1330. A peculiarity of this type is the manner of writing محمد. The bottom obverse margin needs to be read through a looking-glass.

No.	Mint Date	Obverse	Reverse	
Æ 1335A	Awadh 957	في عهد الامير (sic) الخامس الدين الديان عرب اوده ١٥٧ Wt. 311. Ref. B. M.	ابو المظفر اسلام شاه سلطان شير M.m. 97 above شاه	ISLĀM SHĀH
1335B $\frac{1}{2}$	" 957	" Ref. H. R. N.	" Pl. XXIV.	
1336	? Badāon ?	في عهد الامير الخامس الدين الديان ? بداون Wt. 317. S. -95.	ابو المظفر بن اسلام شاه شير شاه سلطان خلد الله ملكه Pl. XVII.	
1336A* $\frac{1}{2}$	Chunār 954	[العادل] السلطان في عهد الامير الخامس الدين الديان ١٥٣ Ref. H. R. N.	..... اسلام شير شاه خلد الله ملكه صريحنار	
1336B*	Raisen —	As on 1331, but no date. M.m. 3 over مير Wt. 317-7. Ref. H. R. N.	ابو المظفر اسلام شاه شير شاه سلطان خلد الله ملكه راسين	

* Note to 1336 A. Cf. Type I. below.

* Note to 1336 B. H.R.N. has a second specimen with جلال before الدين in the last line of obv.

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No.	Mint Date	Obverse	Reverse
Æ 1337	Sambhal ? 953	في عهد الامير الحامل الدنيا و الدين ضرب سنه ١١ Wt. 318. S. -85.	? المظفر ابو شاه شير اسلام شاه بن ? سلطان خلد ملكه ... Pl. XVII.
1338	Shāhgarh ?	في عهد الامير الحامل (sic) الدين الديان شاه كره ضرب Wt. 323. S. -85.	ابو المظفر اسلام شاه بن سلطان شاه شير خلد الله ملكه
1339 $\frac{1}{2}$	" 959	" but 101 to left of mint. Wt. 155. S. -55. <i>Dates observed: 957, 958 (H. R. N.). Half paisa 959.</i>	"
1339A $\frac{1}{2}$	" 959	As on 1339, the top half of the legend being off the coin. S. -7. Ref. Berlin.	" but in place of شير the figure of a lion!
1340	" 959	As on 1339. Wt. 316. S. -85.	" but m.m. 73 to left of اسلام
1340A $\frac{1}{2}$	" 959	" Ref. H. R. N.	"

No.	Mint Date	Obverse	Reverse
Æ 1341 1½ paisa	Shāhgarh 960	في عهد الامير الخامس الدين الدين شاه ٩٦٠ [٩٦٠]	ابو المظفر اسلام شاه سلطان شير شاه خلد الله M.m. 74 between اسلام and م Pl. XVII.
1342- 1344	" 960	" Wt. 316; 321; 315. S. .85.	"
1345- 1346 ½	" 960	" Wt. 152.2; 155. S. .75.	"
1347 ½	" 960	امير المومنين شاه گره ٩٦٠ ضرب Wt. 64.2. S. .55.	" Pl. XVII.
1348*	Shergarh Qanauj 963	في عهد الامير الخامس ١٥٣٣ ن الدين الدين Wt. 310. S. .9.	[ابو المظفر] بن اسلام شاه شير شاه سلطان خلد الله ملكه شير گره قنوج ضرب

* Note to 1343. There is a half *paisa* in the B.M. of this year and type.

No.	Mint Date	Obverse	Reverse
Æ 1348A* SLĀM SHĀH	Shergarh Qanauj 953	<p>[في عهد] الامير الحاج</p> <hr/> <p>٩٥٣ الدين الد... ٩٥٣</p> <p>M m. 9 is formed by the double lines in the centre.</p> <p>Wt. 276 (worn). S. .9.</p> <p>Ref. B.M.</p>	<p>.....</p> <p>اسلام شاه (sic) سلطان خلد الله ف كره عرش قو [ج] (sic)?</p>
1349*	" 954	<p>"</p> <p>but ٩٥٣ and m.m. 9 in the line made by the ع of ع</p> <p>Wt. 309. S. .9.</p>	<p>"</p> <p>Bottom half of coin indistinct and apparently no خلد الله ملكه in the legend.</p>
1349A	" 955	<p>As on 1348, but ٩٥٥ and double line across centre intersected by m.m. 9.</p> <p>Wt. 318. S. .9.</p> <p>Ref. R. (Lahor, Pt. I, p. 40. 60).</p>	<p>ابو المظفر اسلام شاه سلطان فرب شير كره عرب قنوج</p>
1349B	" 955	<p>"</p> <p>but single line and knot.</p> <p>Wt. 319. S. .9.</p> <p>Ref. R. (Lahor, Pt. I, p. 40. 62).</p>	<p>"</p>

* Note to 1348 A. The double date on this coin is remarkable.

* Note to 1349. H.R.N. has this with double lines and knot on obverse.

No.	Mint Date	Obverse	Reverse
Æ 1349c	Shergarh Qanauj 955	As on 1348 A, but سنه in place of lower date. Wt. 317.3. S. .95. Ref. I.M.C., 825.	ابو المظفر اسلام شاه بن شير... سلطان عرب شيرگزه عرب قنوج ملکہ خالد الله ISLĀM SHĀH
1349d	" 955	" but single line. Wt. 315.5. S. .95. Ref. I.M.C., 826.	"
1349e $\frac{1}{2}$	" 955?	" Wt. 152. S. .55. Ref. I.M.C., 827.	"
1349f $\frac{1}{2}$	" 955	As on 1349 A. Wt. 140. S. .75. Ref. R. (Labor, Pt. I, p. 41. 68).	اسلام شاه خالد الله ملکہ [گ]ر شير قنوج
1349g $\frac{1}{2}$	" 955	الامير الخا ... في عهد ۱۰۰ ... الد Knot in centre of line. S. .75. Ref. B.M.	اسلام شير شاه شاه سلطان عرب شيرگزه

No.	Mint Date	Obverse	Reverse
ISLĀM SHĀH Æ 1349H ½	Shergarh Qanauj 955	في عهد الأمير الحامض ١٥٥٥ الدين Wt. 148. S. .75. Ref. P. T.	..... اسلام شاه سلطان شير شاه عرب گره حرف [شير قنوج]
1350	956	but ١٥١ and double line across centre intersected by m.m. 9. Wt. 315. S. .75.	ابو المظفر شاه اسلام شير سلطان گره قنوج شير Pl. XVII.
1351	"	" Wt. 321. S. .75.	ابو [المظفر] اسلام شاه بن گره شير سلطان شير عرب حرف قنوج Pl. XVII.
1351A	"	" but with single line and knot. Wt. 315.5. Ref. I.M.C., 828.	ابو المظفر اسلام شاه سلطان خلد الله گره ملکه شير قن
1351B*	"	" but date below ١٥١٥ and double line. Wt. 317. S. .95. Ref. I.M.C., 829 (fig.).	ابو المظفر اسلام شاه شير [شاه] سلطان گره قنوج عرب شير

* Note to 1351B. B.M. has a half *paisa* of this type but with date below knot.

No.	Mint Date	Obverse	Reverse	
Æ 1351c	Shergarh Qanauj 956	As on 1350. Wt. 309. S. .95. <i>Ref. L.M.C., 948.</i>	..... م بن اسلا سلطان گزہ عرب شیر	ISLĀM SHĀH
1351d	"	As on 1351 B. Wt. 313. S. .95. <i>Ref. L.M.C., 949.</i>	ابو المظفر م شہاء اسلا شہاء شیر شیر گزہ سلطان عرف قنوج	
1351E	"	As on 1350. Wt. 318. S. .95. <i>Ref. R. (Lāhor, Pt. I, p. 41. 63).</i>	ابو المظفر اسلام شہاء گزہ شیر سلطان شیر عرب عرف	
1351F	"	" Wt. 318. S. .95. <i>Ref. R. (Lāhor, Pt. I, p. 41. 64).</i>	گزہ " to left of قنوج but	
1351G	"	" Wt. 315. S. .95. <i>Ref. B.M.</i>	ابو المظفر اسلا شہاء شیر بن سلطان شیر گزہ قنوج	
1351H	" 957	As on 1351 B, but 957 Wt. 312. <i>Ref. I.M.C., 830.</i>	As on 1351 B	

No.	Mint Date	Obverse	Reverse
ISLĀM SHĀH	Æ 1352 1/2	Shergarh Qanauj 95-	As on 1349, but unit of date missing. Wt. 150.5. S. -7.
			..... اسلام شاه شير شاه عرب شير شاه
1353*	Kalpi 952	في عهد الامير الحامض 1012 ن الدين الديا Wt. 312. S. -9.	ابو المظفر بن م اسلا شاه شيرة ن شا سطا عرب كالبى
1354	" 954	but 1012* and the line forming a central m.m. 9. Wt. 311. S. -9.	"
Dates observed: 953 (R. Lahor, Pt. I, p. 42), 954, 955 (H. R. N.).			
1355- 1356	" 955	but 1012 and no central knot. Wt. 306; 316. S. -9.	"
1357*- 1358	" 956	but 1011 Wt. 317; 312. S. -9.	"
Dates observed: 952, 955, 956, 957 (H. R. N.).			

PL XVII.

PL XVII.

* Note to 1353. There is a half paise of this year and type in the B.M., and one of 953—
with m.m. 9 over the * of the date—in the cabinet of H.R.N.

* Note to 1357. H.R.N. has a half paise of 956 of this type.

No.	Mint Date	Obverse	Reverse
Æ 1359 ½	[Kalpi] 957	As on 1353, but rev Wt. 152. S. .75.	As on 1353, but mint name ISLĀM SHĀH wanting.
1360 ½	" ?	" but date illegible. Wt. 149.5. S. .8.	As on 1353.
1360A*	Gwāliar 955	في عهد الامير الخامس 100 الدين الدينان Wt. 297.5. S. .9. Ref. R. (Lāhor, Pt. I, p. 35. 13).	[ابو المظفر] اسلام شاه سلطان شاه شير عرب گوالير
1360B	"	..... مير الخامس الدين الدينان 100 Wt. 316. S. .95. Ref. R. (Lāhor, Pt. I, p. 43 78).	..... سلطان شير خلد الله ملكه عرب گوالير
1360C ½	" 95-	في عهد الامير الخامس 100 الدينان? الدين و? S. .7. Ref. B. M.	ابو المظفر اسلام شاه شير شاه عرب گوالير

* Note to 1360 A. H.R.N. has a half piece of this type and date.

ISLĀM
SHĀH

No.	Mint Date	Obverse	Reverse
Æ 1361*	Malot ?	(a) في عهد الامير الحامض الدين الدينان عرب ملوت [date] M.m. 16 at (a). Wt. 319. S. 1. Date observed: 956 (B.M.).	ابو المظفر اسلام شاه بن شير شاه سلطان خلد الله ملكه . . . M.m. 4 over م of اسلام PL XVII.
1361A	952	في عهد الامير الحامض (sic) الدين ن ملوت ٩٥٢ الدبا S. 1. Ref. H. R. N. Dates observed: 952, 953 (H. R. N.).	ابو المظفر اسلام شاه بن سلطان شاه شير ملكه خلد الله M.m. 16 over second شاه
1362	Narnol 9--	. . . . . مير الحامض الدين الدينان ٩-- Wt. 319. S. 85.	[ابو المظفر] [اسلام شاه] شير شاه سلطان خلد الله ملكه عرب نارنول PL XVII.

* Note to 1361. M.m. 16 or 4 is sometimes placed above the م.

No.	Mint Date	Obverse	Reverse
Æ 1363	[Narnol] 956	As on 1362, but ١٥١ Wt. 305 (worn). S. -9.	As on 1362, but showing second line and mint name missing. ISLAM SHAH
1364	" 960	but " ١١. Wt. 315. S. -85.	"
UNASSIGNED MINT.			
1365	?Badhā- nadih 956	دار القرب عهد الملك في العادل اسلام بودهاندي ١٥١ M.m. 76 under ع of عهد Wt. 317. S. -95.	الوائى بتائيد الرحمن ابو شاه المظفر اسلام سلطان خلد الله ملكه و سلطانه Pl. XVII.
1366- 1367	?	As on 1365, but date missing. Wt. 313; 319. S. -95.	As on 1365.
1368 $\frac{1}{2}$?	" Wt. 159. S. -7.	"

Dates observed: 955 (R. Lāhor), 956, 957 (B.M.—without m.m.).

ISLĀM
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No.	Mint Date	Obverse	Reverse
WITHOUT MINT NAME.			
<i>Type A.</i>			
1369*	953	<p>في عهد امير الحامس (sic) جلالدين و الد ١٥٣ [سنة]</p> <p>Wt. 310. S. .95.</p>	<p>ابو المظفر بن اسلام شاه شير شاه سلطان خلد الله ملكه</p> <p>Pl. XVIII.</p>
1370	955	<p>but " ١٥٥</p> <p>Wt. 315. S. .95.</p> <p><i>Dates observed : 952 (I.M.C., 837), 953, 954 (H. R. N.), 955.</i></p>	"
<i>Type B.</i>			
1371— 1373	952	<p>في عهد الامير الحامس الدين الدين ١٥٣ سنة</p> <p>M.m. 3 over مهر</p> <p>Wt. 318; 314. S. .95.</p>	<p>ابو المظفر بن اسلام شاه شير شاه سلطان خلد الله ملكه</p> <p>M.m. 3 over س of اسلام and m.m. 66 over خ of خلد</p>
1374— 1376	953	<p>but " ١٥٣</p> <p>Wt. 314; 315. S. .95.</p>	"

* Note to 1369. I.M.C., 845, is a half paise of 953 of this type.

No.	Mint Date	Obverse	Reverse
Æ 1377-1379	954	As on 1371, but 10r Wt. 315; 316. S. .95.	As on 1371. ISLĀM SHĀH
1380	955	but 100 Wt. 309. S. .95.	"
1381	956	but 101 Wt. 314. S. .95.	"
<i>Dates observed : 952, 953, 954, 955, 956, 957, 958 (I.M.C.), 959 (B.M.), 960 (I.M.C.).</i>			
1382 $\frac{1}{2}$	957	" Wt. 153. S. .8.	" but the : of شیر شاه is replaced by a —
Var. (a).			
1383	952	As on 1371, but 10r Wt. 307. S. .9.	As on 1371, but اسلام بن شیر شاه خدا الله سلطان ملک
Type O.			
1384*	960	(sic) في (a) ند الامير الخا الدين الد .. (sic) M.m. 77 at (a). Wt. 320. S. .9.	ابوم ا اسلا لمظفر شاه شا شیر سلطان M.m. 16 in ن of سلطان PL XVIII.

* Note to 1384. A *swastika* sometimes replaces m.m. 16 on reverse. H.R.N. has a half *paisa* of 959 of this type, which is probably from a Mālwa mint.

ISLĀM SHĀH	No.	Mint Date	Obverse	Reverse
	Æ 1385 ½	960	As on 1384. Wt. 152.5. S. .75.	As on 1384.
	1386 ½	?	" but without ۱۵ in first line and date wanting. Wt. 159.2. S. .7.	"
	1387	95 -	" but ۱۵ - Wt. 322. S. .9.	" but ۱۵ to left of سلطان and below خلد الله ملكه
<p><i>Dates observed :</i> 952 (I.M.C., 846 with m.m. 15 at (a)). 954 (H. R. N. with m.m. 15 on obv. and 60 on rev.) 959 (H. R. N. as no. 1384), 960.</p>				
<i>Type D.</i>				
	1388	952?	في عهد الامير الخامس الدين الدين ۱۵r ? Wt. 309. S. .95.	ابو المظفر شاء اسلام سلطان شهر [شاء بن] [خلد الله ملكه] [و سلطانه] PL XVIII.
<p><i>Dates observed :</i> 952, 953 (L.M.C., 967), 954, 955 (B.M.).</p>				
	1389	?	" but date wanting. M.m. 14 over مير Wt. 312. S. .95.	" but ۱۵ to left of شير and below خلد الله ملكه

No.	Mint Date	Obverse	Reverse
<i>Æ</i>		<i>Type E.</i>	
1390*- 1391	953	<p>في عهد الأمير الخامس ١٥٣٣ يان الدين الد مير 3 over M.m.</p> <p>Wt. 309; 319. S. .95.</p>	<p>ابو المظفر اسلام شاه سلطان : شير شا بن [الله خلد ملكه</p> <p>PL XVIII.</p>
1392 $\frac{1}{2}$	956	<p>but " ١٥٦</p> <p>Wt. 147.3 (worn). S. .75.</p>	"
1393- 1394	957	<p>but " ١٥٧ and m.m. 78 over مير</p> <p>Wt. 317; 315. S. .95.</p>	<p>"</p> <p>One coin shows the بن</p>
1395 $\frac{1}{2}$	957	<p>"</p> <p>Wt. 153.1. S. .7.</p>	"
1396 $\frac{1}{2}$	959	<p>but " ١٥٩</p> <p>Wt. 152. S. .65.</p> <p><i>Dates observed:</i> 952 (L.M.C., 970), 953, 954 (H. R. N.), 955, 956 (I.M.C.), 957, 958 (I.M.C.). Half <i>paisa</i>: 955 (H. R. N.), 956, 957, 959, 960 (H. R. N.).</p>	<p>"</p> <p>First three lines only on coin.</p>

* Note to 1390. In the B.M. a *paisa* of 953 has a *nodulika* between the ن and : in the third line of the reverse; and a *paisa* of 955 has m.m. 5 over مير on obverse.

ISLĀM
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No.	Mint Date	Obverse	Reverse
<i>Type F.</i>			
1397	952	<p>في عهد الامير الخامس الدين الدين ١٥٢ سنة</p> <p>Wt. 310. S. 1.</p>	As on Type E.
1398	953	<p>but " ١٥٣</p> <p>Wt. 316. S. .9.</p> <p><i>Dates observed: 952, 953, 954 (H. R. N.).</i> <i>Half paisa: 952 (L.M.C., 980), 953 (L.M.C., 981).</i></p>	"
<i>Type G.</i>			
1399	952	<p>As on Type F, but سنة wanting.</p> <p>Wt. 321. S. .9.</p>	<p>ابو المظفر اسلام شاه سلطان بن شير شاه خلد الله ملكه</p>
1400	95-	<p>but " ١٥-</p> <p>Wt. 316. S. .9.</p> <p><i>Dates observed: 952, 954, 955 (H. R. N.).</i> <i>Half paisa: 953 (L.M.C., 984 with m.m. 9).</i></p>	<p>but 9 to left of سلطان</p> <p>PL XVIII.</p>
1401 $\frac{1}{2}$	"	<p>"</p> <p>Wt. 144.7 (worn). S. .75.</p>	"

No.	Mint Date	Obverse	Reverse
ISLĀM SHĀH			
<i>Type H.</i>			
Æ 1402	952	As on Type F, but سنة wanting. Wt. 316. S. -9.	As on Type G, but بن in second line and m.m. 15 to left of سلطان
1403	959	but " 101 Wt. 314. S. -9.	" PL XVIII.
1404	95-	but " 10- Wt. 320. S. -9.	"
1405* $\frac{1}{2}$	?	but " date wanting. Wt. 153.8. S. -7.	" First three lines only on coin.
<i>Dates observed: 952, 957 (L.M.C., 989*), 959.</i>			
<i>Type J.</i>			
1406	953	في عهد الامير الحاملع (sic) الدين الديان 103 Wt. 310. S. -85.	ابو المظفر اسلام شاه [بن سلطان شاه شير [خلد الله ملكه] M.m. 97 over شاه in second line.

* Note to 1405. On this coin and L.M.C. 990 (half paise) there is the word **شاه** above the date.

	No.	Mint Date	Obverse	Reverse
ISLĀM SHĀH	Æ 1407 ½	953	As on 1406. Wt. 153.5. S. .7.	As on 1406, but showing بن in second line.
	1408	954?	but " 10r?	but ن follows سلطان
			Wt. 307. S. .85.	PL XVIII.
	1409 ½	956	but " 10r Wt. 152.4. S. .7.	"
<p><i>Dates observed : 952 (H. R. N.), 953, 954?, 955 (L.M.C., 991), 957 (B.M.).</i></p> <p><i>Half paise : 953, 955 (I.M.C., 857), 956.</i></p>				
<i>Type K.*</i>				
	1410 ½	?	<p>في عهد الامير الخامس بن ا لد</p> <p>Wt. 139.5. S. .75.</p>	<p>ابو المظفر اسلام شاه (sic) سلطان شير</p> <p>M.m. 4 in ن of سلطان</p> <p>PL XVIII.</p>
	1411 ½	?	<p>"</p> <p>Wt. 134.2. S. .7.</p>	<p>"</p> <p>but m.m. 4 under م of اسلام</p>

* Type K of the I.M.C., (No. 859) is a coin of the Kalpi mint. The light weight and rather crude fabric of Nos. 1410-1411 suggest that they may be contemporary imitation.

No.	Mint Date	Obverse	Reverse
Æ		ISLĀM SHĀH	
		<i>Type L.*</i>	
1412	953	<p>د العال السلطان في عهد الامير الحام</p> <p>ين و (sic) الد الدينان?</p> <p>M.m. 5 above الح</p> <p>Wt. 310. S. .9.</p> <p><i>Dates observed : 953, 956 (B.M.).</i></p>	<p>شاه ابو المظفر اسلام سلطان شير شاه خلد الله ملك</p>
1413- 1414 $\frac{1}{2}$	"	<p>"</p> <p>On one m.m. 14 is over حد</p> <p>Wt. 154; 158. S. .75.</p>	"
1415	?	<p>No m.m. "</p> <p>Wt. 308. S. .95.</p>	"
1416 $\frac{1}{2}$	?	<p>"</p> <p>Wt. 152.3. S. .65.</p>	"

* These may be of Chunar mintage. Cf. 1836 A.

No.	Mint Date	Obverse	Reverse
ISLĀM SHĀH	Æ	<i>Type M.</i>	
	1416A	953	
		<p>In square</p> <p>في عهد الأمير الحامد الدين الدين (sic)</p> <p><i>Bottom margin 1or</i></p> <p>Wt. 316. S. -9.</p> <p><i>Ref. I.M.C., 862; halfpaise</i> H. R. N.</p>	<p>In square</p> <p>شاه ن اسلام سلطان شير شاه خلد الله</p> <p><i>Bottom margin المظفر ابو</i></p>
		<i>Type N.</i>	
1417	953	Var. (a).	
		<p>In square</p> <p>في عهد الأمير الحاكم (sic) الدين الدين (sic)</p> <p>Traces of left and top margins.</p> <p>[<i>Bottom margin 1or</i>]</p> <p>Wt. 311. S. -85.</p> <p><i>Date observed:</i> 953 (H. R. N.).</p>	<p>In square</p> <p>(a) اسلام شاه شاه ن دين شير سلطان خلد الله ملكه</p> <p>M.m. 43 at (a). Margins wanting.</p>
1418 $\frac{1}{2}$?	"	"
		<p>Wt. 147.8. S. -65.</p>	
1419 $\frac{1}{2}$?	"	"
		<p>Wt. 107. S. -7.</p>	

No.	Mint Date	Obverse	Reverse
Æ			
1420	?	As on 1417. Wt. 304 (worn). S. -85.	Var. (b). As on 1417, but m.m. 4 over اسلام
1421- 1423	959	As on 1417, but in third line الدين ١٥٩ Wt. 316; 313. S. -95.	Var. (c). As on 1417, but m.m. 43 over اسلام Pl. XVIII.
1424 $\frac{1}{2}$	960	but " ١٦. M.m. 4 under unit figure of date. Wt. 146.6. S. -7. Dates observed: 959, 960 (B.M.); half <i>paisa</i> 960.	"
1425 $\frac{1}{2}$	952	في عهد الامير الخامس الدين الغزيان ١٥٢ سنة Wt. 163.1. S. -7.	Type O. ابو المظفر " اسلامنا بن شير شاه سلطان ? خلد ملکه
1426	953	but " ١٥٣ Wt. 317. S. -85. Dates observed: 952 (H. R. N.), 953; half <i>paisa</i> 952.	" Pl. XVIII.

ISLĀM
SHĀH

ISLĀM
SHĀH

No.	Mint Date	Obverse	Reverse
<i>Type P.*</i>			
1427	952	<p>في عهد الامير الحامي</p> <hr/> <p>بن و بن الد ٩٥٢</p> <p>Barbaric lettering.</p> <p>Wt. 307. S. -95.</p>	<p>ابو المظفر اسلام (a) شاه سلطان شا شير (b)</p> <p>M.m. 79 at (a). M.m. 14 at (b).</p> <p>PL XVIII.</p>
<i>Type Q.</i>			
1427 A $\frac{1}{2}$	953	<p>As on Type E.</p> <p>Wt. 157. S. -75.</p> <p>Ref. I.M.C., 870.</p> <p>Dates observed : 953 (I.M.C.), 960 (H. R. N.).</p>	<p>ابو المظفر اسلام شاه [بن شير شاه [سلطان خلد الله [ملكه</p>
<i>Type R.</i>			
1427 B	953 (?)	<p>في عهد الامير الحامي</p> <hr/> <p>لد و الد ٩٥٣?</p> <p>Wt. 300. S. -9.</p> <p>Ref. I.M.C., 871.</p>	<p>ابو المظفر اسلام شاه بن شير شاه سلطان ملكه خلد الله</p>

* Type P of I.M.C. (No. 866) merges naturally into Type N. Another type has been therefore introduced as P.

No.	Mint Date	Obverse	Reverse
<p style="text-align: right;">ISLAM SHAH</p> <p style="text-align: center;"><i>Type S.</i></p>			
Æ 1427 c	952 ?	الحا عهد مع (?) ٩٥٢ ن الدين الدنيا S. .95. Ref. B.M.	. . . . . اسلا شاه شاه ن شير سلطان خلد الله ملكه
<p style="text-align: center;">SMALLER PIECES.</p> <p style="text-align: center;">One-eighth of a <i>paisa</i>.</p>			
1428- 1431 ‡	—	شاه اسلام شير شاه سلطان Wt. 39.4; 39.1. S. .55.	الزمان خليفة العاذل Pl. XVIII.
1432 ‡	—	" Wt. 38.3. S. .45.	but the ن of زمان cuts the ا
<p style="text-align: center;">One-tenth of a <i>paisa</i>.</p>			
1433 ‡	—	In circle في عهد مع الحا Wt. 27.6. S. .5.	ابو المظفر شاه اسلام Pl. XVIII.

No.	Mint Date	Obverse	Reverse
MUHAM- MAD 'ĀDIL N 1434*		MUHAMMAD 'ĀDIL SHĀH A.H. 960-964. A.D. 1552-1556. GOLD	
	Jhūsī? 964	In triple square, the centre one of dots, the Kalima. .ۛ.ۛ (sic) in lower left corner. <i>Margins</i> defective. Wt. 165.3. S. .9.	In triple square, the centre one of dots سلطان محمد عادل شاه خدا الله ملكه عرب جهوسى? Below سليم محمد [شاه] Other margins defective. PL. XVIII.
	R 1434A	SILVER In square, the Kalima. M.m. 43 in lower left corner. <i>Margins</i> Left عمر الفاروق Wt. 173. S. .95. <i>Ref.</i> I.M.C.	In square سلطان محمد شاه عادل خدا الله ملكه <i>Margins</i> Left السلطان Bottom ? عرب آگرو PL. XXIV.
1434B	Āgrah 963	" but without m.m. <i>Margins</i> Bottom ابا بكر الصديق Right على المرتضى Ref. H. R. N.	" but ۛۛ vertical to right of خدا and سليم محمد [شاه] below area. <i>Margins</i> Right ابو المظفر Bottom عرب آگرو PL. XXIV.

* Note to 1434. Probably a copy from the rupee No. 1434 D.

No.	Mint Date	Obverse	Reverse
R 1434 c $\frac{1}{2}$	(Āgrah) 964	As on 1434 B but margins missing. Wt. 77 (worn). S. .75. Ref. B.M.	As on 1434 B but margins missing. MUHAM- MAD 'ADIL Pl. XXI.
1434 D	Jhūsī 964	In square, the Kalima. In lower left corner ۱۱۳ <i>Margins</i> Top ابا بکر المدینی Right عمر الفاروق Others missing. Wt. 170. S. .95. Ref. I.M.C., 877 (fig.).	In square سلطان محمد عادل خدا الله ملکہ شرب جہوسی سید محمد صالح M.m. 9 over ۹ of خدا Margins missing.
1434 B	Chunār 963	In square, the Kalima. ۱۱۳ in lower left corner. <i>Margins</i> Top ابا بکر صدیق Right علی المرتضیٰ Bottom عثمان عفان Left missing. Wt. 176.3. Ref. H. R. N.	In square سلطان محمد عادل خدا الله ملکہ و سلطانہ علی (sic) امرو سید محمد صالح <i>Margins</i> Top مبارز الدنیا Left و الدین Bottom شرب چنار Right [ابو المظفر]

No.	Mint Date	Obverse	Reverse
MUHAM- MAD ADIL	R 1434 F Shergadh [Bakkar] —	In square, the Kalima. <i>Margins</i> Bottom ابى بكر مدينى Left عمر Wt. 177.6. S. 1-1. Ref. B.M.	In square شاه ن سلطان محمد خلد الله ملكه شاه محمد سلطان M.m. 80 over س of سلطان <i>Margins</i> Right گدہ ... Bottom عرب شى بكر Pl. XXI.
	1435* [Kalpi] (96)3?	As on 1435 A. <i>Margins</i> Bottom ابى بكر المدينى Left عمر الفاروق Wt. 174.2. S. 1.	In square شاه ن محمد سلطان خلد الله ملكه شاه محمد M.m. 14 over خ <i>Margins</i> Left السلطان Top العادل Right ابو المظفر ...? Bottom missing.
	1435A* Kalpi 963	In square, the Kalima. <i>Margins</i> Bottom ابى بكر المدينى Left [عمر الفاروق] Top عثمان العفان Right على المرتضى Wt. 173. Ref. H. R. N.	In square شاه ن محمد سلطان خلد الله ملكه شاه محمد M.m. 14 over خ <i>Margins</i> Left السلطان? Top العادل? Right ۹۱۳ ...? Bottom كاله

* Note to 1435. This may be definitely assigned to Kalpi.

* Note to 1435 A. H. R. N. reads left rev. margin as مبارز الدنيا and in right rev. margin الدن but cf. No. 1435.

No.	Mint Date	Obverse	Reverse
R 1435*	Gwāliar 961	In square, the Kalima. In lower left corner m.m. 81. <i>Margins</i> Bottom أبا بكر الصديق Left عمر الفاروق Others missing. Wt. 176.8. S. .95. Ref. I.M.C., 876.	In square سلطان محمد شاه خلد الله ملكه شاهي محمد <i>Margin</i> Bottom فارس گاروالير
1436- 1437	Nārnol 961	In square, the Kalima. Margins defective. Wt. 176.2-174. S. .95. <i>Dates observed:</i> 960 (B.M.), 961, 962 (L.M.C.).	In square شاه سلطان محمد عادل خلد الله ملكه شاهي محمد M.m. 13 above <i>Margins</i> Left السلطان Bottom عرب نارنول Right أبو المظفر
1438	— 961	In square, the Kalima. <i>Margins</i> Bottom أبا بكر الصديق Left عمر الفاروق Top عثمان العفان Right علي المرتضى Wt. 171.2. S. 1.28.	In square سلطان محمد عادل خلد الله ملكه و سلطانة اعلى امره شاهي سلطان محمد <i>Margins</i> Bottom مده* Right ٩٦١ Top مبارز الدنيا و الدين Left أبو المظفر M.m. 25 at *

**MUHAM-
MAD
'ADIL**

* Note to 1435 B. L.M.C. 1003 is of this type and date but the latter is above سلطان. The m.m. in rev. area is a star.

	No.	Mint Date	Obverse	Reverse
MUHAM- MAD ADIL	R 1439	— 961 ?	As on 1438. Wt. (ringed). S. 1-3.	In square سلطان محمد (sic) عادل خلد الله ملكه و سلطان سليم سلطان <i>Margins</i> Bottom همده بادشاه Right ٩٦١ ? سنة Others as on 1438. Pl. XIX.
	1440	? 963	In square, the Kalima. M.m. 15 in left lower corner. <i>Margins</i> Left عمر الفاروق Top عثمان ... Others missing. Wt. 170. S. 1.	In square ٩٦٣ ن سلطان شاه محمد خلد الله ملكه شاه محمد حمده <i>Margins</i> defective. In the bottom margin are traces of what may be عرب كالبى Pl. XIX.
	1440A	? 960	In square, the Kalima. M.m. 47 in lower left corner. <i>Margins</i> Bottom ابا بكر الصديق Right على المرتضى Wt. 166.4-176.5. <i>Ref.</i> B. M. (two coins).	In square as on 1440, but ٩٦٠ ن سلطان <i>Margins</i> Right ابو المظفر Top الدين

No.	Mint Date	Obverse	Reverse
AR 1441*	? 963	In square, the Kalima. <i>Margins</i> Left عمر الفاروق Top عثمان العفان Others missing. Wt. 174.4. S. 1.	In square سلطان محمد شاه عادل خالد الله ملكه سليمحمد... <i>Margins</i> Left السلطان Top العادل Right ابو المظفر Bottom missing. Pl. XIX.
1442*	? 964	In square, the Kalima. ۱۶۳ in lower right corner. <i>Margins</i> Top ابا بكر صديق Left على المرتضى Others missing. Wt. 173.5. S. .95.	In square ن عادل سلطان محمد خالد * الله ملكه و سلطان على (sic) امره سليمحمدسही Margins missing. M.m. 60 at * Pl. XIX.
1443* sq.	? 961?	In square, the Kalima. Margins missing. Wt. 163.5 (worn). S. .7.	In square as on 1436. Margins missing.

* Note to 1441. Probably of the Āgrah mint. Cf. No. 1484 a.

* Note to 1442. This is probably a coin of the Chunār mint. Cf. No. 1424 a and 1447.

* Note to 1443. Probably of Nārnol mintage. Cf. No. 1486.

No.	Mint Date	Obverse	Reverse
MUHAM- MAD ADIL	Æ	COPPER	
1444- 1446	Jaunpūr 963	<p>في عهد الأمير الخامس الدين الدين ١١٣ جونيور</p> <p>Wt. 315. S. -8.</p>	<p>ابو المظفر بتائيد الرحمن عنا محمد (a) شاه دل سلطان M.m. 60 at (a). Pl. XIX.</p>
1447	Chunār 964	<p>[في عهد] الأمير الخامس الدنيا الدين چندهار ١١٣</p> <p>Wt. 307. S. -85.</p>	<p>..... سلطان محمد خلد (a) لله ملكه [سلطان M.m. 60 at (a). Pl. XIX.</p>
1448- 1449 $\frac{1}{2}$	" ?"	<p>" but date wanting. Wt. 156.5; 149.5. S. -7</p>	<p>..... سلطان عا محمد (a) شاه M.m. 60 at (a).</p>
1450- 1453	Shābgarh 961	<p>As on 1444, but شاه گره ١١١ عرب</p> <p>Wt. 318. S. -85. Dates observed: 961, 962. (H.R.N.)</p>	<p>As on 1444. Pl. XIX.</p>
1454- 1455 $\frac{1}{2}$	" ?"	<p>" but date and mint name wanting. Wt. 143.5 (worn); 155. S. -65 Date observed: 961 (L.M.C., 102)</p>	<p>"</p>

No.	Mint Date	Obverse	Reverse
Æ 1456	Shāhgarh 961	As on 1450. Wt. 312. S. .85.	{ابو المظفر} بشائيد الرحمن محمد شاه عا[دل] سلطان M.m. 60 over ط of سلطان and below : of شاه MUHAM- MAD 'ADIL
1457	" ?	" Wt. 314. S. .85.	" but m.m. 60 between ط and : Pl. XIX.
1458 $\frac{1}{2}$	" ?	" Wt. 155.8. S. .7. <i>Date observed:</i> 961 (L.M.C., 1017).	As on 1456. The ط of عادل is clear.
1458A	Kalpi 962	As on 1459. S. .9. <i>Ref.</i> Berlin.	ابو المظفر محمد (a) شاه سلطان عرب كالپی M.m. 73 at (a). Pl. XXIII.
1459- 1461	Gwalior 962	في عهد الامير الخامس ٩٦٢ ن الدين الديا Wt. 315; 313; 321. S. .95.	ابو المظفر محمد (a) شاه سلطان عرب گوالیر M.m. 74 at (a). Pl. XIX.

No.	Mint Date	Obverse	Reverse
MUHAM- MAD ADIL	Æ 1462	Gwalior ?	
		In square في عهد الامير الحامى Margins illegible. On other specimens these read Bottom الدين Left الديان Top العادل Right ١٦٢ Wt. 314 (worn). S. -85. Ref. B.M.	In square سلطان محمد شاه عرب گوالير Margins illegible. On other specimens these read Top ابو المظفر Right خلد الله Bottom ملكه Pl. XXI.
WITHOUT MINT NAME.			
Type A.			
1463- 1465	961	في عهد الامير الحامى ١٦١ ن الدين الدنيا Wt. 320; 317. S. -9; -85.	ابو الجوامد سلطان محمد شاه خلد الله ملكه Pl. XIX.
1466- 1467	962	but " ١٦٢ Wt. 312; 313. S. -9; -85.	"
1468	963	but " ١٦٣ Wt. 308. S. -9, -85.	"
Dates observed: 960 (B.M.), 961, 962, 963, 964 (I.M.C., 888).			

No.	Mint Date	Obverse	Reverse
<i>Type B.</i>			
1469-1470	962	As on 1463, but m.m. 9 above ^{مير} Wt. 304; 312. S. .9.	<div style="text-align: right;"> MUHAM- MAD ADIL </div> <div style="text-align: center;"> ابو المظفر محمد (a) شاه سلطان خلد الله ملكه M.m. 82 at (a). </div>
1471	"	" but without m.m. Wt. 320. S. .9.	<div style="text-align: center;"> but arranged " شاه (a) [or شاه] محمد سلطان الله خلد ملكه M.m. 82 at (a). Pl. XIX. </div>
1472-1473	964	As on 1469 (m.m. 9). but ^{١١٣} Wt. 317 (2). S. .9.	"
1474-1475 ¹ / ₂	"	" Wt. 153.5; 158.5. S. .75.	"
<i>Type C.</i>			
1476-1477	963	As on 1463, but ^{١١٣} Wt. 315; 311. S. .9.	<div style="text-align: center;"> ابو المظفر محمد (a) شاه السلطان M.m. 74 at (a). Pl. XIX. </div>
<i>Dates observed : 962, 963 (B.M.), 964; half paisa 962 (H. R. N.), 964.</i> <i>Dates observed : 963, 964 (H. R. N.); half paisa 962, 963 (H. R. N.).</i>			

MUHAM-
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No.	Mint Date	Obverse	Reverse
Æ 1478	962	<p><i>Type D.</i></p> <p>في عهد الامير الحامى الدين الدينان ١١٢</p> <p>Wt. 301.4. S. .9.</p>	<p>ابو العجّاد محمد شاه سلطان الله خلد ملكه</p> <p>Pl. XIX.</p>
1479*	9--	<p><i>Type E.</i></p> <p>As on 1478.</p> <p>Wt. 311. S. .9.</p>	<p>ابو العجّاد? ن شاه د سلطان محمد عال خلد الله ملكه</p> <p>Pl. XIX.</p>
<i>Date observed: 963 (I.M.C., 889); half paise 963 (R.M.).</i>			
1480*	965	<p><i>Type F.</i></p> <p>As on 1463, but ١١٥</p> <p>Wt. 318. S. .9.</p>	<p>ابو الطغر محمد شاه (a) [ل] عاد سلطان خلد ملكه</p> <p>M.m. 66 at (a). Pl. XIX.</p>

* Note to 1479. A variety (B.M.) has الله ملكه خلد with m.m. 48 to left of الله.

* Note to 1480. Cf. R. (Lahor, Pt. I, p. 48-20) where مبارز is read to the right of الدين on the obverse.

No.	Mint Date	Obverse	Reverse
MUHAM- MAD 'ADIL			
Æ		<i>Type G.</i>	
1480A	—	<p>In square</p> <p>الامير الخامس</p> <p>في عهد</p> <p>Margins obliterated.</p> <p>Wt. 316. S. -85.</p> <p>Ref. L.M.C., 1038.</p>	<p>In square</p> <p>سلطان عادل شا</p>
1480B	964	<i>Type H.</i>	
		<p>في عهد</p> <p>الامير الخامس</p> <p>الدنيا الدين</p> <p>مبارز ١١٣</p> <p>Ref. H. R. N.</p> <p><i>Dates observed: Paisa 964 (H.R.N.); half-paisa 963 (H. R.N.)</i></p>	<p>سلطان محمد</p> <p>خدا (a) لله</p> <p>ملكه</p> <p>M.m. 60 at (a).</p>
1480C	—	One-eighth of a <i>paisa</i> .	
$\frac{1}{8}$	—	<p>عادل</p> <p>محمد شاه</p> <p>سلطان</p> <p>Wt. 39.5; 37. S. -5.</p> <p>Ref. R. I. Pl. VI. 18 (Lahor, Pt. I, p. 49. 27/28).</p>	<p>الزمان</p> <p>خليفه</p> <p>.....</p>

No.	Mint Date	Obverse	Reverse
IBRĀHĪM SHĀH SŪR		IBRĀHĪM SHĀH SŪR	
		A.H. 962.	A.D. 1554.
		SILVER	
IBRĀHĪM SHĀH SŪR			
AR			
1480D	? Banāras 962	In square غازى ابراهيم سلطان ابو المظفر سيد M.m. 4 over اير	In square خلد الله ملكه و سلطانه و اعلى امراء و شانه ١ ٢ (a) ٥. M.m. 9 at (a).
		<i>Margins</i> Right ابو بكر Bottom عمر Left عثمان Top على	<i>Margins</i> Bottom بنار العرب Left مو Top missing. Right بنارس ?
		Wt. 167. S. 1-1. Ref. R. VI. 13 (B.M.).	Pl. XXI.
1480E $\frac{1}{2}$	" 962	" Margins missing. Wt. 88. S. -85. Ref. R. IV. 17 (B.M.).	" Margins missing. Pl. XXI.
		COPPER	
Æ			
1481	" 962	في عهد الامير الحامى ١٦٢ ن الدين الدنيا Wt. 317. S. -85.	ابو المظفر سلطان ابراهيم شاه خلد الله ملكه Pl. XIX.

No.	Mint Date	Obverse	Reverse
SIKAN- DAR III	Æ	COPPER	
1483	— 962	في عهد الامير الخامس الدين الدين ١١٢ Wt. 305. S. 9.	كل على الله المتو شاهي سكندر سلطان شاه Pl. XIX.
1483A	— 962	As on 1483, but ١١٢ above الدين Wt. 316. S. 85. Ref. I.M.C., 899.	كل على الرحمان المتو سكندر سلطان شاه
1483B	— 962	" Wt. 311.8. S. 9. Ref. B.M.	الله المتوكل على شاهي سارور سكندر سلطان
1483C	— 962	In square الزمان خليفه العال سلطان Margins cut. Wt. 320. S. 95. Ref. Berlin.	In square سكندر سلطان شاه اسما سور ١١٢ عيل M.m. 85 above the ر of سور Margins cut. Pl. XXIII.
1483D $\frac{1}{2}$	— 962	As on 1483A. Wt. 158.4. S. 75. Ref. B.M.	As on 1483A.

No.	Mint Date	Obverse	Reverse
SMALLER PIECES.			
Æ 1483E* $\frac{1}{8}$	—	<p>شاه سلطان سکندر</p> <p>Wt. 34.9. S. .5.</p> <p>Ref. B.M.C., 641.</p>	<p>سلطان سکندر</p> <p>Pl. XXI.</p>
1483F $\frac{1}{10}$	— 962	<p>سلطان سکندر شاه ۱۱۲</p> <p>Wt. 30. S. .48.</p> <p>Ref. R. I. Pl. VI. 14 (Läbor, Pt. I, p. 50, 8).</p>	<p>الزمان خليفة ۱۱۲ (a)</p> <p>M.m. 101 at (a).</p>

* Note to 1483 E. The attribution of B.M.C. 642 to this Sikandar Shah is doubtful.

SŪRIS

SHER SHĀH SŪR

**SHER
SHĀH**

Catalogue

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In any collection of the coins of the Sultāns of Dehli it will be found that the coins of the Sūrī dynasty predominate in numbers. In the present collection out of 1483 coins, 453 are of the Sūrī period. The reason is that Sher Shāh, when he remodelled the coinage on lines which were destined to leave their mark on the currency even up to the present day, extended the privilege of striking coins to the more prominent cities as and when they were brought under his sway. This practice, which was resorted to by some of his predecessors, but only to a very limited extent, was subsequently further developed by the Mughals. The coins in a great many instances bear the names of the mint-town from which they issued and are thus of considerable interest and value in showing the extent and influence of the Dehli empire. Thus a representative collection of Sūrī coinage must contain not only coins of each metal, denomination, type and date but also a comprehensive series of the issues from each mint.

Sher Shāh lost no time in abandoning mixed metal coinage and his instinct was, as the future showed, correct, for this time the change came to stay. Tradition had frustrated an earlier attempt in this direction but Sher Shāh hailed from Bihār where the billon tradition did not obtain. Moreover, in the course of his rise to power he must have amassed considerable resources and the state treasury was, therefore, in a more solvent position than it had been for the last century and more of Dehli rule. Sher Shāh was, therefore, able to translate his imbibed principles into practice without difficulty.

The currency of the Bengal kingdom consisted mainly of silver *tankahs* of the old style, cowries taking the place of copper. Only a sprinkling of gold *tankahs* can have been issued, for they are comparatively very rare. Accordingly Sher Shāh made his silver rupee the standard measure of value. Gold coins were struck by him but as with the Bengal *ashrafs* are so rare as to be almost negligible. There are, however, numerous fabrications.¹ Copper was extensively mined and used as coin north of Bengal and Sher Shāh would naturally therefore retain that metal for the lower exchange values. Cowries indeed still find

¹ Th. No. 341 is one that is commonly met with.

a place in the *bāzārs* for trivial purchases and were doubtless so used in *Sūrī* times.

**SHER
SHAH**

The official weight of *Sher Shāh*'s silver coins, now definitely known as *rūpaiya* (rupees)—for the *tankah* had been degraded to a humbler value—is not established. Thomas (*Chron.*, p. 406) says that it 'ought to have weighed 178.25 grains' on the assumption that Akbar's *rupee*, which is known to have weighed $11\frac{1}{2}$ *māshas* 'was avowedly based on that of *Sher Shāh*' (*ib.* p. 405), the weight of the *Dehli māsha* being 15.5 grains ($11\frac{1}{2} \times 15.5 = 178.25$). But the above dictum appears to be a little arbitrary. *Abū'l Faẓl*'s¹ statement, when speaking of the *rupee*, is that it was first introduced in the time of *Sher Khān* but was 'perfected' in Akbar's reign. This scarcely warrants the definite nature of Thomas's statement.

The choice seems to lie between two alternatives. One is that the *rupee* of *Sher Shāh* was a coin of 96 *ratīs* = 12 *māshas* = 1 *tolah*, the *tolah* in this case being equivalent to 180 grains, which, it has been suggested, was the official rate fixed by *Muḥammad bin Farīd*. The other is that Akbar imitated *Sher Shāh*, as Thomas thought, in fixing the weight of his *rupee* at $11\frac{1}{2}$ *māshas* of 15.5 grains which would make *Sher Shāh*'s *rupee* equivalent to 178.25 grains. Against this latter view a strong argument is found in the weights of the coins themselves. A cursory glance through this catalogue reveals the fact that there is an appreciable number of *Sher Shāh*'s *rupees* from several mints and of several types whose weights exceed 178.25 grains—the maxima being 179.2 and 179.5 grains for the mintless types A and I² and 179 grains for the mints of *Āgrah*, *Kālpī*, and *Gwāliar*. That would rule out a *rupee* of $11\frac{1}{2}$ *māshas* with a *tolah* of 185.5 grains. It may be said, too, that the general weight average of *Sher Shāh*'s *rupees* is slightly higher than that of the *rupees* of Akbar. On the other hand, until we get definite evidence to the contrary, we are entitled to assume that *Sher Shāh* continued for his principal silver coin the *tolah* standard which had apparently become a tradition in *Delhi* since the reforms of *Īltutmish* and it may well be that he found in force the *tolah* of 180 grains which, we think, was initiated by *Muḥammad V*, prior to the billon currency of the *Lodis*. The evidence of the coins themselves supports a *rupee* of 180 grains.

In addition to the *rupee*, *Sher Shāh* introduced a new copper coin which also Akbar retained in his monetary system and which was in his reign known as a *dām*. What it was called in *Sher Shāh*'s time we do not know for certain. *Abū'l Faẓl* in speaking of the *dām* says:—
نخست آنرا پيسہ گفتی
'formerly they called it *paisa*' and that name has been given to *Sher Shāh*'s coin in this catalogue.

¹ *Ā'in-i-Akbarī*—Blochmann's translation published for the Asiatic Society of Bengal, Calcutta, 1873, vol. I, p. 31.

² *I.M.C.*, No. 676.

**SHER
SHAH**

An instructive passage in the *Tārīkh-i-Khān Jahān Lodī* and *Makhzan-i-Afghānī*¹ speaks of the payment made for each stone of Sher Shāh's new fort of Ruhtās being fixed first at an *ashrafi* then falling to a rupee and ten *tankahs* 'until it reached as low as a *bahlūli*', thus showing what were the denominations of coin current at the time. These *tankahs* were doubtless Sikandarī *tankahs*, still a popular and useful coin. Twenty, as we have seen, were regarded as equivalent to a rupee, and one *tankah* was probably equal to two of Sher Shāh's copper *paisa*. We know that in Akbar's time 40 *dāms* went to the rupee, and it seems reasonable to suppose that the same value attached to the copper piece of Sher Shāh. In this case Sher Shāh and Akbar were but carrying on the scale established by Muḥammad bin Farīd under which 40 *jital*s of 360 grains of copper went to the silver piece of 180 grains, the lower weight of the Sūrī *paisa* and Akbarī *dām* being due to the appreciation of copper. The *paisa* was in fact the direct representative in copper of the old billon *jital* and Sher Shāh merely revived in a new form a coin which for a long period had disappeared from the currency and been treated as money of account. The weights of Sher Shāh's *paisa* vary to such an extent, that it is difficult to say what the official weight was. For example, Nos. 1202-3 of this catalogue from the Nārnol mint weigh 329 and 328 grains, and Thomas quotes a coin of Ḥiṣṣār of 329 grains, whereas No. 1119 of this catalogue, a coin of Chunār, weighs only 304 grains, though in very fine condition. The Akbarī *dām*, of which 40 exchanged for a rupee of 178 grains, weighed, we are told, 167 *ratīs*, equivalent, with a *ratī* of 1.9375 grains, to 323.5625 grains. The *paisa* of Sher Shāh therefore, of which 40 went to a rupee of 180 grains, might be expected to be rather heavier. But without any knowledge of the copper-silver ratio then prevailing any attempt to fix its weight can only be conjectural.

It is perhaps sufficient merely to say that forty of Sher Shāh's *paisa* went to the rupee, irrespective of weight.² Mr. John Allan, of the British Museum, suggests that the mint employees paid no special regard to the weight of individual coins, so long as a certain quantity of metal yielded a fixed number of coins. Similar variations in the weights of coins of the same denomination are, as he points out, observed in the imperial large brass of Rome, and the same explanation is given to account for this. Incidentally, it is of some interest to note that the coins of Nārnol are generally of higher weight than those of other mints. In the Nārnol district were situated copper mines, and the value of copper would naturally be less there than at more distant mints. This

¹ E. D. V., 115 and note. Cf. also Dorn's *History of the Afghāns*, p. 131.

² Cf. *Āin-i-Akbarī* (Blochmann), vol. i, p. 81. 'Although the market price (of the rupee) is sometimes more or less than 40 *dāms*, yet this value is always set upon it in payment of *taxes*.'

suggests a query whether the weight of the *paisa* was uniform throughout the kingdom, or whether it did not differ in different localities and in different issues in accordance with the distance from a copper source or the market-value of copper at the time and place of striking. Generally speaking we cannot attach too much importance to the weights of the individual coins as a guide to the official weight of the *Sūrī paisa*. Forty to the rupee was doubtless, as Abū'l Faḡl suggests, the rough and ready rate of exchange in the *bāzāra* independently of the market price of copper.

Sher Shāh's rupees are known of the following mint-towns—Ujjain, Āgrah, Panduah, Chunār, Ranthambhor, Satgāon, Sharifābād, Shergarh, Shergarh *alias* Bakkar, Shergarh *alias* Dehlī, Fathābād, Kalpi, Gwāliar, and Malot, in addition to three which cannot be considered certain readings, viz. Bhānpūr, Ḥaḡrat Rasūlpūr *alias* Patna and Qil'a Tānda.

A valuable note on the mint-towns of the Dehlī Sultāns by Mr. H. R. Nevill is to be found in the *J.A.S.B.*, 1921, N. S. xxxv, article No. 219. In it all the above mints—except Panduah and Tānda—are dealt with. Panduah was situated in what is now the Mālda district of Bengal, about 20 miles from Gaur. Tānda was also in the immediate neighbourhood of Gaur and was 'the capital of Bengal after the decadence of Gaur'.¹ Sher Shāh was crowned in Gaur.

Besides the coins bearing the name of their mint there is a large class which records no mint name. Among these has been included what may be called the *jahānpanāh* class—coins on which the word *jahānpanāh* is found on the reverse. Thomas (*Chron.*, p. 399) thought the word was an 'abrupt and irregular insertion of the name of the mint' and concluded that the mint was in the 'Jahānpanāh', one of the towns comprising Dehli founded by Muḥammad Tughluq. But, as Mr. Nevill has pointed out, Sher Shāh did not get possession of Dehli till A.H. 947, whereas coins with *jahānpanāh* on them occur of A.H. 946. The word invariably follows the Sultān's honorific title *ابو المظفر* and precedes his name, which might indicate that it was a title adopted by Sher Shāh, and this seems to be corroborated by the coins of Ujjain mint on which both the name of the mint and the word *jahānpanāh* occur (on opposite sides of the coin). Thus it might be assumed that ordinarily the term *jahānpanāh* represents a title rather than a mint. But a word of caution is necessary, for the coins Nos. 1070 and 1070 A read unmistakably *zarb jahānpanāh*—a fact of which Mr. Nevill was not cognizant at the date of his paper in N. S. xxxv. An explanation that suggests itself is that *jahānpanāh* represents rather the Sultān's immediate precincts than his title and that the coins bearing that word were struck

¹ Cf. Imperial Gazetteer of India, vol. xxi, p. 221.

SHER in the Court or Camp mint of Sher Shāh in the same way that Akbar
SHAH had a camp-struck currency (مرب اردو).

It will be noticed that the coins catalogued under the unqualified mint name Shergarh consist of two distinct series—those with single lined areas (Nos. 1040 A–1042 A) and those with double lined square areas (Nos. 1043–1048). The former—including specimens of Qil'a Shergarh—may be assigned to the fortress built by Sher Shāh in the Shāhābād district. The latter, beginning as they do in A.H. 948, may have been struck at Qanauj to which, as later copper coins attest, the name of Shergarh was given.

Special interest attaches to the two rupees Nos. 1040 A and 1040 B and the small copper coins Nos. 1257 and 1270 A. These are all dated A.H. 945, and show that Sher Shāh had already assumed the title of Shāh before and not after the battle of Chaunsā in A.H. 946 as Professor Qānūngo asserts.¹ Thomas is more probably correct when he states (*Chron.*, p. 393) that Sher Khān assumed the title as king of Bihār, when Humāyūn was isolated in Bengal and Hindal Mirzā in revolt at Āgrah.

The unique coin No. 1041 A of Qil'a Shergarh helps to confirm the reading of No. 1042.

The scarce coins of Ranthambhor commemorate the surrender of that fortress, just south of Jaipur, in A.H. 949. It is to be noted that no coins of either Āgrah or Dehlī are known of A.H. 947, although both fell into Sher Shāh's hands that year. The extension to Hindūstān of the practice of striking coin at important centres, seems to have been an afterthought. The year A.H. 947 was a period of constant movement and consolidation and during it Sher Shāh was content to issue for use in his northern territories the 'mintless' coins—both silver and copper—of which numerous types are found bearing the date in question. In A.H. 948 silver coins recording mint names outside Bengal begin to make their appearance and these are followed in A.H. 949 by similar coins in copper. But even of this date copper coins with a mint-name are recorded only of Kālpī—evidently, from the number and variety of its coins, regarded as an important mint.

The fractional silver coins are of the greatest rarity, and, except for one coin which must have been a sixteenth of a rupee, those known are limited to a few half rupees and a single quarter rupee (No. 1031 p). Unfortunately the unique one-sixteenth which originally formed part of this collection fell to pieces on the journey to England. It has been described in *J.A.S.B.*, N. S. xxvii, p. 132–6.

Sher Shāh's copper coinage was minted at Abū, Āgrah, Alwar, Awadh

¹ *Sher Shāh* by Qānūngo, pp. 205–208.

(Ajudhia), Biāna, Chunār, Hissār, Sambhal, Shergarh (Qanauj?) Shergarh (Fort), Shergarh (Dehli), Kālpī, Gwāliar, Lakhnau, Malot, and Nārnol.¹ Rodgers read the mint name on one coin as نر (Nar)—No. 1211 A—but its similarity in type with No. 1108 c indicates that the mint was Abū, if indeed both نر and ابو are not blundered renderings of ابو, to the coins of which mint they closely correspond. The collection is particularly rich in the coins of Chunār.

There is a very large series of 'mintless' types, which, it is suggested, formed Sher Shāh's copper currency during the early period of conquest and consolidation. But in many cases they continued to be struck after the practice of recording mint names on the coins had become established and may thus have been issues from Sher Shāh's moving camp.

Some of the rarest of Sher Shāh's copper coins are the quarters, fifths, and tenths of a *paisa*—Nos. 1150, 1224, 1257, 1270, and 1270 A. The coinage was comprehensive, for sixteenths and twentieths are also well known.

ISLĀM SHĀH

ISLĀM SHĀH

The currency of Islām Shāh follows in style that of his more able predecessor. His gold coins, as those of Sher Shāh, are of the greatest rarity and of the two listed, one, No. 1282 A, is possibly not genuine. In silver the mints Biāna, Raisen, and Nārnol have to be added. Others—Ujjain, Panduah, Ranthambhor, Fathābād, and Malot—disappear. There are, as in the preceding reign, several types of mintless coins, among which is one (No. 1316) on which occurs the expression *jahānpānāh* (see ante p. 385). On another (No. 1318 et seq.)—the commonest of the series—occur the mysterious figures ۛۛۛ of which no explanation has yet been afforded. They may represent some title in *abjad*, or even perhaps the name of a mint.

Catalogue
Nos. 1282-
1433
Pages
326-365

Fractions of the rupee are still extremely scarce. Three half-rupees only can be recorded. One is mentioned by Thomas (*Chron.*, No. 360 A) but in such a way as to preclude its insertion in this catalogue. Nor is the present whereabouts of the coin traceable. The other two are Nos. 1291 A and 1294 E.

In copper the additional mints are Badāūn (?), Raisen, Shāhgarh, and Shergarh Qanauj.

The issues from the Shāhgarh mint are particularly numerous and include one of the most remarkable of the Sūrī copper coins in No. 1341 which weighs as much as 461 grains. This is the only coin known of this weight and was presumably intended to represent $1\frac{1}{2}$ *paisa*. No. 1347 of 64 grains, i.e. one fifth of a *paisa*, is also a very rare, if not unique

¹ See Mr. Nevill's paper on the Mints of the Delhi Sultāns in N. S. xxxv.

ISLAM coin. It has been suggested that *Shāhgarh* may be *Shergarh* Qanauj, **SHAH** renamed to reduce the multiplicity of *Shergarhs*. Its issues commence in A.H. 959 while those of *Shergarh* Qanauj cease in A.H. 957. Also we know that *Shāhgarh* was an *alias* of Qanauj in the reign of Akbar.

Some coins (No. 1365 *et seq.*), issued from a mint reading *بدرهاندیہ* which has not been identified with certainty. The suggestions mentioned by Mr. Nevill (N. S. xxxv, p. 118)—*Lūdhiāna* and *Būd Hāndia*—are not very convincing. There is a *Budhāna* of some antiquity in the *Muzaffarnagar* district of the United Provinces but the type of the coin suggests Bengal and the mint may perhaps be *Sāsārām*, the cradle of the *Sūrī* kings, or even the ancient *Lakhnauti*.

Some of the mints are known from very few coins—e.g. *Awadh*, *Badaūn*, *Chunār*, *Raisen*, and *Sambhal*. It seems likely, however, that *Chunār* was responsible for the mintless coins of type L. The great variety of the coins of *Shergarh* Qanauj is noticeable. There are no less than eighteen types of coins without any mint name but they call for no special remark.

Of the subdivisions of the *paisa* only the half and eighth are at all common. This collection provides a fifth (No. 1347) and a tenth (No. 1433). No quarters are recorded.

MUHAMMAD 'ĀDIL

MUHAM- With the accession of *Muhammad 'Ādil* commenced a rapid decline
MAD of the *Sūrī* fortunes and this is to some extent reflected in the coins.
'ĀDIL The number of mint-names found on the silver coins falls to nine, one
Catalogue being new to this reign—*Jhūsī* in the *Allahābād* district—and the five
Nos. 1434– copper mints recorded indicate still more clearly the narrowed boundaries
1480 of the *Sultān's* dominions.

Pages No undoubtedly genuine gold coins are known for No. 1434 is almost
366–377 certainly a rather blundered copy in gold of No. 1434 D, a unique rupee
of the *Jhūsī* mint. The mint of *Shergaḍh Bakkar*, which could not
have been long under *Muhammad 'Ādil's* control, is also known from
a single coin (No. 1434 F). The acquisition by the British Museum in
1920 of the unique half-rupee of *Āgrah* (No. 1434 c) filled a noticeable
gap. There are now half-rupees known of all the *Sūrī Sultāns* except
Sikandar.

Of *'Ādil's* copper coins those of the *Shāhgarh* mint are by far the most numerous, and their resemblance to the *Jaunpūr* coins—*Jaunpūr*, *Chunār*, and *Shāhgarh* use the same mint-mark—indicates a not very distant mint. It has been suggested elsewhere, that *Shāhgarh* is *Qanauj*.

If so, the numerous issues would indicate that Qanauj became 'Ādil's head-quarters after he had lost Dehlī and Āgrah.

Eight types of coins without any mint-names are recorded. It will be noticed that Muḥammad 'Ādil adopted two 'kunyats'—Abū-l-Muẓaffar and Abū-l-Mujāhid.

The Lāhor cabinet contains two eighths of a *paisa* (1480 c). Apart from these no smaller piece than a half-*paisa* is known.

IBRĀHĪM III. SIKANDAR III

The coins of Ibrāhīm and Sikandar Sūr, who assumed sovereignty in the parts of the Dehlī kingdom which they wrested from Muḥammad 'Ādil, are naturally very scarce. The rupee and half-rupee of the former, now in the British Museum from the cabinets of Mr. G. Bleazby and General Cunningham, are still unique and probably not more than half a dozen rupees of Sikandar are known. These were struck in Lāhor while Ibrāhīm's rupee appears to have issued from Benāres, though that does not seem a very likely locality for a mint of Ibrāhīm.

IBRĀ-
HĪM III
SIKAN-
DAR III
Catalogue
Nos.
1480 D-
1483 F
Pages
378-381

Two remarkable coins of Sikandar come from the Berlin Cabinet—Nos. 1482 A and 1483 C. The former is a replica of a *tankaḥ* of Sikandar Lodī except for the date and the substitution of *سور اسماعیل* for *بہلول شاہ*. Dr. Walther Hellige of the Kaiser Friedrich Museum writes of it: 'The piece might almost be of copper only. A faint glint of silver could, with the help of a glass, be traced on the two sides, but not on the edge.' It seems therefore unlikely that the coin is of billon. We may surmise that it was of copper with a thin plating of silver and that it may have been intended to have the same value as a Sikandari *tankaḥ*, i.e. a twentieth of a rupee or two Sūrī *paisa*.

A single half-*paisa* of Ibrāhīm III is known and 1482 D is one of Sikandar Sūr. Two others were, it is understood, in a private cabinet, but have been lost. Diminutive pieces are recorded of Sikandar but none of Ibrāhīm.

APPENDIX A

*SOME OBSERVATIONS ON THE METROLOGY OF THE EARLY SULTĀNS OF DELHĪ

On pages 72 and 74 of his *Coins of India*, Mr. C. J. Brown has incorporated certain conclusions which have been arrived at by Mr. Nevill and myself in regard to the metrology of the early Sultāns of Dehli. As these conclusions are radically different from those laid down by Thomas in his 'Chronicles of the Pathan Kings of Dehli' and accepted without demur during the last fifty years, we wish to put before the Numismatic Society of India our reasons for challenging the pronouncements of that distinguished numismatist. 'Some new evidence', writes Mr. Thomas (p. 3), 'has lately come to light in the journals of western travellers in India during the first half of the eighth century of the Hijrah, which coincides in a singular manner with the data afforded by the weights and intrinsic contents of existing coins; so that we are now in a position to maintain with confidence that the scheme of coinage, adopted by Īltutmish¹ from possibly conflicting native traditions, recognized the use of gold and silver pieces of equal weights. The intentional mint standard must have ranged very closely upon the 175 grains troy, which amount can be nearly told in the balance by the better specimens to be found in modern cabinets; a definite weight also, for which there was high authority in the *sataraktika* or "one hundred *ratī*" divisional term, which appears in early post-Vedic commentaries. . . . The silver *tankah* which, although it was anomalously composed of 100 Indian gunja seeds (*Abrys precatorius*), was never divided in practice by any other number than 64. The favourite subdivisional current piece, in more advanced times, seems to have been $1/8$ or $8/64$, which latter denomination it preserved in the *haṣṭ-kantī* or "eight *kantīs*", the counterpart and correspondent of eight *ṇitāḥ*, 64 of which also fell into the general total of a *tankah*. And here it would seem that more purely indigenous traditions had to be reconciled to intermediate Aryan innovations. The new *tankah* might rule and regulate its own subdivisions, but it does not seem to have been able to emancipate itself from the old silver *purāṇa* of 32 *ratīs* of Manu's code, which maintained its own weight of 56 grains, in independent isolation, down to the time of Muhammad bin Tughluq. So intuitive in the native mind was the idea of reckoning by *fours*, the "gunḍa" of the modern indigene, that gold and silver were supposed to conform to some such law, being estimated theoretically, whatever the current rate may have been at any given moment, at 1:8. So also the silver piece was divided into eight (or

* Read at the annual meeting of the Numismatic Society of India at Patna, January, 1924, and published in the *Journal of the Asiatic Society of Bengal*, vol. xx, 1924, as article 248, in N. S. xxxviii. Reprinted by permission of the Society.

¹ This form is substituted throughout for *Altamash*—*vide*, pp. 69-70.

primarily 8×8) and the copper exchange against silver commenced with 4 *fals* to the $1/64$ th of a *tankah*. The quaternary scale, in short, was all-pervading; there was no escaping the inevitable 4s, 16s, 32s, and 64s, which, having survived alike Aryan intrusion and Muhammadan conquest, still flourish undisturbed by the presence of British decimals.'

On p. 220, Mr. Thomas further writes: 'The retention by Īltutmish, so unreservedly, of local systems of reckoning in the minor sums up to the measure of the *tankah*, would seem necessarily to imply that the latter weight itself formed a definite unit, both theoretically, and practically, in the pre-existing monetary computations. This is a concession which could not previously have been claimed, as Īltutmish might have been supposed to have retained a leaning to Ghaznavi standards, and the new *tankah* might well have stood for a double *dirham*. The turning-point, however, in this identification depends mainly upon the authentic weight of the true Indian unit, the *rati*, as recognized at the period in the exact locality of the metropolitan mint, and it is not impossible that the coins themselves may aid in fixing this still indeterminate quantity. The query then presents itself as to how many *ratīs* of gold and silver this *tankah* was estimated to contain. The first answer within reasonable limits suggested by the progression of *fours* in the table just given (from the *Masāliku-l-abṣār* by Shaikh Mubārak) would be 96; but it is a very singular fact that the old tables of weights in *Manu* do introduce a decimal element after 32 *ratīs* in the silver weight and after 320 *ratīs* in the gold weightments, the latter having already felt something of the decimal action in the initial use of 5 *ratīs* to a *māṣā*, and finally we have an absolute silver *satamāna* or 100 *māna* weight. A very important bit of collateral evidence is contributed by the subsequently devised '*adalīs*', whose weights are much more closely defined both in the beautiful silver coins of Muḥammad bin Tughluq and in the better specimens of the brass tokens which were designed to replace these 50-*kānī* pieces in the general circulation. These coins, as a rule, touch very closely upon the exact 140 grains, and it is scarcely possible to doubt that this weight represents the 80-*rati* gold *suvarṇa* equally with the copper *kārṣa* of *Manu*'s tables. . . . If the former association is conceded, my estimate of the *rati* at 1.75 grains falls in with singular evenness; for the '*adalī*, $80 \times 1.75 = 140$, for the silver *tankah* or *sataraktika* $100 \times 1.75 = 175$.'

Thomas in effect lays down the following principles:—

- (a) The gold and silver *tankahs* are of equal weight.
- (b) The *tankah* weighs 100 *ratīs*.
- (c) The *rati* = 1.75 grains, giving a *tankah* of 175 grains.
- (d) The *tankah* is divided into 64 parts, each part being known as a *kānī* or *jītal*.
- (e) The ratio of gold to silver is 1 : 8.
- (f) The ratio of silver to copper is 1 : 64.

With (a) there can be no disagreement—the coins themselves supply conclusive evidence on this point.

(b) Thomas's reasons for adopting this standard appear to be that the *tankah* was a local unit found in existence by Īltutmish and adopted by him, that a 'hundred *ratī*' divisional term 'appears in early post-Vedic commentaries' and that 'the old tables of weights in Manu do introduce a decimal element after 82 *ratīs* in silver weights, and after 320 *ratīs* in the gold weighments, the latter having already felt something of the decimal action in the initial use of 5 *ratīs* to 1 *māṣa*, and finally we have an absolute silver *satamāna* or 100 *māna* weight'.

We may admit that the *tankah* was based on an existing local standard, but the application of post-Vedic and Manu weights to the metrology of the thirteenth century Muhammadan conquerors appears to us singularly fanciful and unconvincing. Nor is it consistent with the evidence of the coins themselves. In this connexion, however, it has to be remembered that Thomas had not the advantage of dealing with such an extensive series of coins as now exists. At the time he wrote the *Chronicles* there were no fractional silver pieces of the early Sultans known to him. It is these pieces which assist us materially in disposing of the 100-*ratī tankah*. A paper published in *Numismatic Supplement*, No. XXVII (1916) gives a summary of the early small silver pieces then known and few have been discovered since. They fall very clearly into four categories:—

1. Half-*tankah* about 88 grains.
2. One-third of a *tankah* about 56 grains.
3. One-sixth of a *tankah* about 28 grains.
4. One-twelfth of a *tankah* about 14 grains.

A small gold piece of 55.7 grains in the British Museum (*Num. Chron.*, 1921, Pts. III and IV, p. 846) goes to show a similar division in the gold coinage. These indicate the introduction of division by 3s as well as by the traditional 4s, and open the way to the acceptance of a 96-*ratī tankah*, which Thomas himself admits is the standard which would first suggest itself to one inquiring into the number of *ratīs* composing a *tankah*. With a 96-*ratī tankah* the four classes of small coins would be pieces of 48, 32, 16, and 8 *ratīs*. They would not fit into a 100-*ratī* scale. Further they provide a place for the 82-*ratī* 'purāna' which Thomas's theory admittedly isolates as a concurrent piece of money, detached from the ordinary currency.

That this scale, 96 *ratīs* = 1 *tola*, was no stranger to Indian currency we know from the memoirs of Babur, who found it in existence when he arrived in India. It is permissible to hold, when the view is corroborated by the coins themselves, and there is no evidence to the contrary, that the same scale was in force two and three centuries earlier, whether the official weight of the *ratī* had undergone any change or not in the interval. We know from Ferishta, whose evidence on this point there seems no good reason for doubting, that in the days of 'Alā'u-d-dīn Muḥammad at any rate (i.e. early in the fourteenth century) the *tankah* weighed a *tola*. We may, therefore, assume with confidence that the imperial metropolitan *tankah* weighed 96 *ratīs*. We

say 'metropolitan' advisedly, for the weight of a *tola* in *ratīs* differs largely in different contiguous districts at the present time and may well have done so in the earlier days.

(c) The translation of the weight standard of Indian coinage from *ratīs* to grains troy is of secondary importance and is mainly useful as a check. The Indian unit was a *ratī* (the red or white seed of the plant *Abrus precatorius*). The weights of the *ratī* are not constant and may vary from $1\frac{1}{2}$ grains to 2 grains. For the Dehli coinage the *ratī* weight adopted was probably the one current in the locality. To decide what this weight was in grains it will be sufficient if we can select the most convenient weight within certain limits imposed by the coins themselves. There can be little doubt that the weight adopted by Thomas for his *tankah*—175 grains—was too high. Recent experiments conducted with 68 gold *tankahs* in fine condition, covering the period A.H. 664 to 799, give an average of 168.24 grains, the highest individual weights being 170.02 grains in the case of a coin of Firūz Shāh Zafar and 170.01 grains yielded by a particularly brilliant coin of Firūz Shāh. The same weight is reached by a solitary silver *tankah* of the latter Sultān, which barely outweighs a *tankah* of 'Ala'u-d-dīn Muḥammad; but the average of the same number of silver coins, to all outward appearances in equally good condition and covering the same period, is only 166.63 grains. There is also a solitary gold coin of Muḥammad bin Sām in Mr. Nevill's cabinet—the earliest known gold piece of the revised Muḥammadan standard—which weighs 172.18 grains. It may be conceded that all Indian coins, owing to the absence of any milled edge and the somewhat crude methods of striking, lend themselves to sweating. It is always necessary, therefore, to allow for a small loss of weight even in coins of apparently brilliant condition. The maximum weights given above indicate that the *tankah* of 96 *ratīs* weighed something between 171 and 173 grains. Within those limits it is permissible to adopt an arbitrary *ratī* weight in grains provided that it fits in with the ascertained weights of the coins themselves. We have come to the conclusion that the weight that should be adopted is 1 *ratī* = 1.8 grains, at any rate, up to the invasion of Tīmūr. The official weight of the present *ratī* is 1.875 grains. We know that in Calcutta in 1848 the official weight of the *ratī* was 1.796 grains. According to Prof. Hodivala the Mughal *tola* weighed between 185 and 186 grains, giving a *ratī* of 1.9375 grains. There is good reason to suppose that the imperial *tola* was raised in weight after A.H. 800, and again by Sher Shāh.¹ The weight we have chosen would give a *tankah-tola* of 172.8 grains, an 80-*ratī* piece of 144 grains, and a 32-*ratī* piece of 57.6 grains. This scale accords with known coin weights better than that adopted by Thomas. For example, a *ratī* of 1.75 grains means an 80-*ratī* piece of 140 grains, and a 32-*ratī* piece of 56 grains, and in support of his standard Thomas points to the 140-grain piece (*adālī*) of Muḥammad bin Tughluq, and the 56-grain *purānas*. Unfortunately for this view, however, we know from the coins themselves that the *adālīs* frequently weigh more than 140 grains (vide

¹ See pp. 240-241 and 383.

Num. Supp. xxxv, article 220) and similarly the *purāna* is often met with weighing over 56 grains. We know of no instances where weights of 144 grains and 57.6 grains are exceeded by these coins.¹

(d) The assumption by Thomas that there was a coin denominated *kānt* illustrates his tendency to look for some archaic derivative for his metrological standards rather than accept the explanation which lies nearest to hand.

He concluded that the *tankah* was divided into 64 *jitals* or *kānts* and adduced in support of his conclusion the fact that in Telugu and Canarese the word *kānt* means 1/64th. Professor Hodivala² has, however, pointed out that *kānt* is nothing more than a termination misread for *gānt*. Thus *yagānt* means 'a single piece', *dūgānt*, 'a double piece', *hasht-gānt*, 'a piece of eight', and so on. 'Yagānt', 'dūgānt' are ordinary Persian expressions and Persian names were chosen for the subdivisions of the *tankah*, e.g. *hasht*, *shash*, &c. The questions then are—What was the unit for which *yagānt* stood and eight of which were represented by the *hasht-gānt*? And how many of these units went to make up the silver *tankah*? The first point is settled by Shaikh Mubarak in his *Masāliku-l-abṣār*, extracts from the French translation of which are quoted by Thomas on p. 288 (n) of the *Chronicles* and later by Shams-i-Sirāj (Thos., p. 278).

The former writes:—

'Une pièce qui est la moitié du dirhem Sultāni, se nomme yagānt (pièce d'un) et vaut un *djital*.' 'Le dirham Sultāni vaut le tiers d'un dirhem shashgānt... qui équivaut aux trois quarts du dirhem hashtgānt.' 'Le *tankah* d'argent comprend huit dirhems hashtgānts.'

It is on this last passage that Thomas relies to support his conclusion that the silver *tankah* was divided into 64 *jitals* or *kānts*, a division which had the attraction of the 'inevitable 4s' from which he thought there was no escaping in Indian metrology. And at first glance it certainly does suggest a *tankah* of 64 *jitals*. Some colour is also given to the same view by the list of coins current in the time of Fīruz Shāh given by Shams-i-Sirāj in his 'Tarikh-i-Fīroz Shāhi'. Next in the scale to the '*tankah-i-nugra*' he mentions a '*sikka-i-chihāl-o-hashtgānt*' which if the *tankah* were 64 *jitals* would be a $\frac{1}{4}$ th *tankā*.

It is our considered view on the other hand that the evidence when examined does not warrant the assumption of a *tankah* of 64 *jitals*.

In the first place the passage in the *Masāliku-l-abṣār* 'le *tankah* d'argent comprend huit dirhems hashtgānts' is definitely contradicted by another passage in the same work which runs '800 *toumans* dont chacun vaut 10,000 *dīnārs* (*dīnār* was the term applied to silver as well as gold *tankahs*—here silver is meant), et le *dīnār* 6 *dirhems*; en sorte que cette somme se montait à 8 millions de *dīnārs* courants ou 48 millions de *dirhems*'. This is very precise and the equation is doubly repeated. We are, therefore, justified

¹ One or two-32 *raṭ* pieces weighing slightly over 57.6 grs. have since come to light, but they are so scarce as to be negligible exceptions to the rule.

² See *J. A. S. B.*, Num. Supp. xlii, Art. 290.

in thinking it possible that either the 'huit' in the former passage was a mistake for 'six', or that the word *hashtgānī* should have been *shashgānī*. There is in Persian writing considerable similarity between *hasht* and *shash* and the suggested emendation of *shashgānī* for *hashtgānī* is not far fetched, having regard to the very definite equation given elsewhere in Shaikh Mubarak's work. It would seem, too, that the *shashgānī* was a popular coin in Muḥammad bin Tughluq's reign as well as in that of his successor; for Shaikh Mubarak goes on to say 'Ainsi les monnaies d'argent (note the metal) en usage dans l'Inde, sont au nombre de six; savoir le shānzdagānī, le duāz-dehgānī, le hashtgānī, le shashgānī, le sultānī et le yagānī. . . Ces trois espèces de dirhems (presumably he refers to the last three mentioned by him) ont cours dans le commerce et sont reçues universellement.'

The passage in the *Tārīkh-i-Firūz Shāhī* is a little more difficult to explain. The 48-gānī piece appears to be described as a coin distinct from the *tankah-i-nuqra*. There is, however, the significant addition to the word 48-gānī of *sikka*. Now سکه and سنگ in Persian manuscripts, where dots are generally omitted, are very similar and are very likely to be mistaken one for the other. Thomas himself has misread *sikka* as *tankah* on the coin No. 301 of his *Chronicles*. It is, therefore, not impossible that the word used by Shams-i-Sirāj was '*tankah-i-48-gānī*'. In the alternative, as in Persian, the word , may mean 'or' as well as 'and', the passage may perhaps be interpreted 'the *tankah* of silver, i.e. a coin of 48-gānī'.¹ It is to be noted also that while the term '*sikka*' (commonly applied to the silver *tankah*) is used for the 48-gānī piece, the term applied to all the other lesser denominations is '*mulr*' مُلر [query, an expression to denote billon coins of token value?]. Moreover, on the assumption of a 64-gānī *tankah* a piece of 48-gānī would be almost meaningless. It is natural enough to suppose that the first division of the *tankah* would be into halves, and it is significant that while we have the 25-gānī (Southern), and 24-gānī (Northern), there is no mention at all of a 32-gānī piece.

Ferishta has told us, in writing of 'Alā'u-d-dīn Muḥammad's reign, that the *tankah* comprised 50 *ḡitāl*s. We get a remarkable corroboration of this in Muḥammad bin Tughluq's token coin (No. 196 of the *Chronicles*) which is described as a *tankah-i-panjāhgānī*, i.e. 50-*ḡitāl*s.² These coins all hail from the mint of Daulatabād in the Deccan.³ Similarly, the *nisfe*—the half-piece (No. 204 of the *Chronicles*), which would correspond to Shams-i-Sirāj's 25-gānī piece, was also struck at Daulatabād. Was then the *tankah* differently subdivided in Daulatabād and Dehli? We think that the evidence is clear that it was. Leaving aside the 48-gānī piece, Shams-i-Sirāj gives the following coins as current in Firūz Shāh's time—25-gānīs, 24-gānīs, 12-gānīs,

¹ Modified, see p. 219.

² Thomas thinks these 50-gānī pieces are meant, as shown by their weight, to represent the 'adā'. But in the first place the word used on the coin is definitely *tankah* and secondly a 50-gānī piece, on Thomas's own standards of weight, could not have weighed more than 136 odd grains; 64 : 175 :: 50 : 136.7.

³ Dhār must now be added (see No. 590 A), but Dhār is near enough to Daulatabād not to affect the argument.

10 *gānis*, 8-*gānis*, 6-*gānis*, and one *jital*. They will not all work into one scale of 50 *jitals* to the *tankah*. We cannot contemplate a currency with subdivisions of 24/50ths, 12/50ths, 8/50ths or 6/50ths. The 25-*gāni* and 10-*gāni* on the other hand clearly fit in with the 50-*jital* scale, whereas they are highly inconvenient subdivisions of either a 64- or a 48-*jital tankah*. Similarly the '6-*gāni*' piece will not go well with a 64-*jital tankah*. We are therefore driven to the conclusion that there were two different scales in force in Dehli and the Deccan, the former of 48 and the latter of 50 *jitals* to the *tankah*. We have shown that Shaikh Mubarak's evidence is to the effect that under the Dehli scale the *tankah* consisted of six *dirhams*. These *dirhams* could hardly be anything but *hashtgānis*. This would lead us to a *tankah* also of 48-*jitals*. Firishta was a Deccani. He would therefore be likely to be more conversant with and more likely to record the scale in force in Daulatabad than the Dehli scale.¹

To sum up, we are of opinion that in the reign of Muhammad bin Tughluq (possibly in that of 'Alā'u-d-dīn Muḥammad, though this has yet to be proved from the coins) the *jital* was in Dehli 1/48th of a *tankah*, i.e. 2-*ratīs*, while in the Deccan 50 *jitals* went to the *tankah*.

We cannot, however, assume that on this account the *jital* was of the same value in the time of the earlier Sultans. On the contrary, such evidence as there is indicates that it was not. There is nothing extraordinary in the fact that Muḥammad bin Tughluq, when he—if it was he—remodelled the coinage, should adopt the term *jital* to express a lower value than it had hitherto borne. In Akbar's time the *jital* had fallen still further to 1/25th of a *dām*, i.e. 1/1,000th of a rupee. The *tankah* itself became a copper denomination. Such changes are not unusual. The English £. s. d., descendants of the copper *libra*, the gold *solidus*, and the silver *denarius*, are a familiar example.

The testimony in Indian histories that the *jital* was a current coin in the seventh century A.H. and not merely a money of account is abundant, and we do not propose to elaborate this point. The nature of the frequent references to *jitals* in the extracts from the Indian historians published by Elliot and Dowson make this conclusion inevitable. The question for discussion is—what was the value of the *jital* in the seventh century A.H.? Thomas came to the conclusion (p. 47 of the *Chronicles*) that the *jital* was 'merely a continuation of the old Hindu *Dehliwāls*, without, however, accepting any necessary identity between the palpable coins and the money of account'. The reason for this reservation is not obvious.

We agree with the view that *jital* and *Dehliwāl* were merely two names for the same coin,² the former being the later. As Thomas points out, the author of the *Tājū-l-Ma'āṣir*, who lived in the first half of the seventh century A.H. 'refers his money value nearly exclusively to *Dilliwāls* while Minhāj-us-Sirāj who had more extensive and later experiences reckons his totals in *jitals* and *tankahs* of silver.'³ The origin of the term *jital* is obscure. Some

¹ See p. 220.

² Modified, see p. 72.

³ *Chronicles*, p. 47.

light may perhaps be thrown on it by a small anonymous copper coin which has recently come to light. It came from the Kurram valley and bears the legends '*ḡital yagānī*' and '*ḡarb Akarmān*' in what appear to be early seventh century A.H. characters. There is also some reason on palaeographical grounds for doubting the assignation of the '*ḡital yagānī*', figured as No. 207 in the *Chronicles*, to the time of Muḡammad bin Tughluq.¹ In type as well as script this coin appears to belong to an earlier period. The possibility is indicated that the *ḡital* was the unit of the copper currency in the frontier regions and that the name was introduced by the Muḡammadans and applied by them to the unitary coins they found current in Hindustān, viz. the *Dehliwāls*. When İltutmish laid the foundations of a fresh coinage with a *tankah* of 96 *raṭis*, the *Dehliwāls* had become too firmly established as current coin to be ignored and had to be incorporated into the new currency, their weight of 82 *raṭis* readily falling into the revised scheme. What subdivision of the *tankah* they formed cannot be laid down with any confidence; but judging from the results of an assay made by Thomas (*Chronicles*, p. 127) of 12 billon coins of Naṣīru-d-dīn Mahmūd of the 82-*raṭi* class, which gave an average yield of silver per coin of nearly 12½ grains, we hazard the opinion that the *Dehliwāl* or *ḡital* represented one twelfth of the *tankah*, or in other words was the equivalent of a *masha*. Thus they would correspond to the tiny silver pieces of 14.4 grains which have been already noticed.² Thomas's view seems to be that these coins of mixed silver and copper were not definite subdivisions of the *tankah*, but relied for their value in everyday use on the determination in each case by buyers and sellers of the amount of silver in the coin (*Chronicles*, p. 229). From this view we wish to record our complete dissent. Not only is it both inconceivable to European ideas as Thomas admits, and without parallel in the East, but we refuse to believe that the Indian public would tolerate a state of affairs which would be a source of perpetual confusion and place the ordinary person entirely at the mercy of the money-changer. In article 215 of the Numismatic Supplement to the *J. A. S. B.* it has been explained that homogeneity in billon pieces is practically unattainable. It need therefore be no occasion for surprise that some of the billon coins were more coppery than others of the same weight and type and vice versa. But that such coins were intended to and did pass at one and the same value appears to us incontestable. The statement made by Thomas appears to have been based on the great difference in appearance at the present day between coins of the same weight bearing identical legends, but these same coins, when newly issued, may well have had an appearance to all intents and purposes similar in colour, and the actual admixture of silver in any one specimen could not have been determined save by assay. The tables given on pp. 359 and 368 of the *Chronicles* illustrate the deceptiveness of outward appearance; for at first sight any coins of Bahlul would seem to have a larger silver content than the later issues of Sikandar Lodī, whereas the assay shows a contrary result.³

¹ See p. 170.² Modified, see p. 79.³ See p. 257.

(c) Thomas's views on this point are given on pp. 231 to 238 of the *Chronicles*. They are briefly that in the seventh century A.H. the normal rate of exchange between silver and gold *tankahs* was eight to one, but that owing to the influx of gold as a result of the conquests in the Deccan, the value of that metal depreciated and when Muḥammad bin Tughluq came to the throne he revised the coinage to meet this depreciation; adopting a 7 : 1 rate of silver to gold and introducing a new heavier gold coin, the *ḍinār* of 200 grains, and a new lighter silver coin in the 'adli of 140 grains. In this manner eight of the old silver *tankahs* would still be required to buy the new gold *ḍinār* while the latter would exchange for ten of the 'adlis. He would explain Ibn Baṭūṭah's definite statement that the rate in the latter part of Muḥammad's reign was 10 : 1 by suggesting that he was referring to the 'adli.

The arguments by which he seeks to establish this position are far from easy to follow, and are indeed vitiated at the outset by being based on premisses which are demonstrably incorrect. In the first place, as we have shown, the 'adli cannot have been a piece of only 140 grains. Further the weight of the old *tankah* can hardly have been as high as 175 grains. Nor is it possible to assume that the new *ḍinār* weighed just 200 grains, for the simple reason that many heavier specimens are known. If it be conceded that the *tankah* consisted of 96 and not of 100 *raṭis*¹ it is probable that the new gold coin would be devised to comprise an even number of *raṭis*. Judging by the weight of the coins, this number was 112, i.e. $96 + 16$ which with a *raṭi* of 1.8 grains would require a coin of 201.6 grains: a figure which admirably corresponds to ascertained facts.

There is no historical information, so far as we know, as to the rate of exchange in the time of the earlier Sultans. Ibn Baṭūṭah has, however, stated categorically that in the latter part of Muḥammad's reign (he came to India in A.H. 784) the ruling rate was 10 : 1. There is no sufficient reason for thinking that he had the 'adli in his mind when he made this statement. The 'adli seems to have been a short-lived coin. Specimens are very scarce and are known only of A.H. 725, 726, and 727, whereas we have silver *tankahs* of all but one of the years from A.H. 725 to 784, after which they seem to have been replaced by a billon currency. It has also to be borne in mind that 'Alā'u-d-dīn Muḥammad struck very large numbers of silver *tankahs* (they are indeed still by far the commonest of the silver coins of the Sultans), and so added to the large stocks left by Naṣīru-d-dīn Maḥmūd and Balban, all of which must have been still doing service in Muḥammad bin Tughluq's reign. Apparently it was never the practice of the Sultans to recall the coins of their predecessors, and the large stocks of existing *tankahs* may well be one reason for the restricted issues of silver coins by the Tughluqs, a fact supported by their rarity. We may therefore safely assume that it was 10 of the silver *tankahs*, not 'adlis, which went to a gold *tankah*. Is there then any ground for thinking that a different rate was prevalent during the early

¹ An additional reason against Thomas's adopted weight of 175 grains is that, at 96 *raṭis* to the *tankah*, it would give an unmanageable *raṭi* of 1.822916 grains.

part of the reign? The reasons suggested are two :—(1) that the spoils of the Deccan must have caused a fall in the value of gold, (2) that this fall is reflected in the issue of the *dīnār* and *ʿadli*. That there was a preponderating increase in the stocks of gold as compared with silver in consequence of the Deccan conquests we take leave to doubt, when we consider the enormous issues of silver *tankahs* by ʿAlāʾu-dīn Muḥammad, whose spoil from the South probably exceeded anything acquired by Muḥammad bin Tughluq. But if there was, that increase, as Thomas himself points out, must have commenced thirty years before and we should have expected a revision of the standard long before Muḥammad bin Tughluq. A great deal of the Deccan gold went into the imperial coffers and seems to have been absorbed by lavish use in the palace itself, if we may judge by contemporaneous accounts. The Sultāns were absolute monarchs and absolutism plays a large part in preserving the steadiness of the ratio of gold to silver (*vide* Macdonald's *Evolution of Coinage*, 1916, p. 89). That it did remain steady during the whole of the seventh century is evident from the uniformity throughout that period of the gold and silver *tankahs*, and we can find no substantial reason for thinking that the rate was any other than 10 to 1, as stated by Ibn Baṭūṭah. Colonel Yule has accepted this as the normal rate during the seventh century. He has indeed suggested that the rate fell to 7 : 1 in Muḥammad bin Tughluq's time, and he supports his view by suggesting that the new *dīnār* and *ʿadli* were introduced in order to preserve the familiar ratio of ten silver pieces to one gold. This suggestion, however, relies for its plausibility on Thomas's weights of the *tankah*, *dīnār*, and *ʿadli* which we have demonstrated to be incorrect. Ten of the *ʿadlis* of 80 *ratīs* would not exchange for a gold *dīnār* of 112 *ratīs* at the ratio of 7 : 1. An important fact that seems to have been ignored by both Thomas and Yule is that the gold and silver *tankahs* were being issued *concurrently* with the new pieces, apart from the absence of any attempt to call in the vast mass of silver coinage not forty years old and still in common use. It is hardly conceivable that this should have been done if the ratio had been revised. It is suggested that the natural explanation of the new pieces is that they were merely additions to the series of current coins. Why then go out of the way to look for any other? Muḥammad evidently took a special interest in his coinage, as the varied character of his coins shows, and there is nothing surprising in his adding two new pieces of different values from those already in existence. They also fit readily into the currency, for, at the rate of 10 : 1, 12 *ʿadlis* of 80 *ratīs* would be equivalent to 10 silver *tankahs* or one gold *tankah* of 96 *ratīs* and fourteen to one *dīnār* of 112 *ratīs*. It is true that the heavy gold *dīnār* bears no exact relation to the old silver *tankah* of 96 *ratīs*, but this was probably a reason for the early disappearance of the new gold pieces.

(f) The extracts quoted at the beginning of this paper scarcely do more than imply that the ratio of copper to silver favoured by Thomas was 64 : 1, but that this was his view is clear from other passages in the *Chronicles*, e.g. p. 367. His main argument for this standard appears to be that the *tankah*

'was never divided in practice by any other number than 64'. This is in itself insufficient and has been shown to be fallacious. In the days of the Sultans we get a definite ratio of 72 : 1, but it seems probable that in the earlier Muhammadan times copper, which was extensively found in India and formed a larger proportion of the coinage than silver, was less rather than more valuable as compared with silver. We do not think that the copper coins of the early Sultans were at any time mere tokens like the English penny. The evidence of the coins indicates that the standard adopted by the Muhammadans was tri-metallic, i.e. that the gold, silver, and copper coins bore a true relation to each other in terms of their accepted metal value. We have found that the gold *raṭī* was deemed equivalent to 10 silver *raṭīs*, and it remains to ascertain how many *raṭīs* of copper were taken as equivalent to one *raṭī* of silver. Here we must seek for help from the coins themselves. If we take the copper coin of the highest weight we find that the type remains constant from İltutmish to Muhammad bin Tughluq. Presumably then the coin is a good guide to the copper standard. The weight of these coins runs from 65 to 71 grains, and if allowance is made for wear and tear, an original weight of 72 grains would be quite conceivable. This, at the rate we have given reasons for adopting, would be equal to 40 *raṭīs*. Assuming, however, that copper was less valuable than in the Suri times, when possibly the currency became bi-metallic owing to the adoption of an arbitrary value for copper, the ratio 40 : 1 would be too low. A ratio of 80 : 1 would be more likely. At this rate the *raṭī* of silver would be worth 144 grains of copper, a weight which is met with in the copper currency of the eighth century. An early *jīṭāl* of 8 *raṭīs* of silver¹ (12 to the *tankaḥ*) would thus be equivalent to 1,152 grains of copper. The inconvenience of having coins of this weight would afford a good reason for the absence of any but the smallest fractions of the *tankaḥ* in pure copper, and consequently for introducing a mixture of silver whereby the size of the *jīṭāl* could be reduced to handier proportions. On the other hand a pure silver *jīṭāl* would be almost equally inconvenient—except as largesse money. Later when the *jīṭāl* became 1/48th of a *tankaḥ* it would only be equivalent to 4 of these 72 grain coins. This fits in with the statement of Shaikh Mubarak that a *jīṭāl* was worth 4 *fulās* and it seems probable that it was the 72 grain copper coin to which the historian refers as the standard *fulā*.²

Incidentally it is to be noted for what it may be worth, that the *Kārshāpana* which was the copper unit of ancient India, was itself 80 *raṭīs* in weight. Thus a standard of 80 *raṭīs* of copper to one of silver may be said to have the sanction of ancient tradition, to which Thomas attached so much value.

¹ Modified, see p. 74. The *jīṭāl* was a forty-eighth part of a *tankaḥ* (i.e. 2 *raṭīs* = 288 grs. of copper) from the commencement.

² The 20-*raṭī* piece of Muhammad bin Tughluq which bears the designation *siḥka dāgānī* should on this calculation have weighed 820 *raṭīs* in copper; a fact which is of interest as illustrating the extent to which fiction was carried in the matter of the forced currency.

Our views then may be briefly summed up as follows :—

- (a) The gold and silver *tanka*s were of equal weight.
 - (b) The *tanka* weighed 96 *ratīs*.
 - (c) The *ratīs* weighed 1·8 grains, giving a *tanka* of 172·8 grains.
 - (d) In the seventh century A.H. (thirteenth century A.D.) the silver *tanka* consisted of 12 *jīṭals*¹ otherwise known as *dehlīwāls*—these *jīṭals* being ordinarily of billon, though a few silver *jīṭals* were also issued.
- When the coinage was remodelled by Muḥammad bin Tughluq the Dehlī *tanka* was subdivided into 48 *jīṭals* while the Deccan scale was 50 *jīṭals* to the *tanka*.
- (e) The standard of silver to gold remained constant at 10 : 1.
 - (f) The ratio of copper to silver in the currency of the early Sultāns was 80 : 1.

Apart from the decimal system of the Deccan, which may be regarded merely as a provincial accident, the subdivisions of the *tanka* followed both a trinary and a quaternary notation. This was natural enough with a 48-*jīṭal* standard, and the 24-, 16-, 8-, 6-, 4-, and 2-*gānī* pieces are only to be expected. The identification of these fractions in the form of known billon coins can be made with some degree of probability, but certainty must depend on extensive and systematic assay. Even then due allowance must be made for the wide variations in composition which are inseparable from any alloy of silver and copper. This is of special importance in the matter of distinguishing between the *haṣṭgānī* and the *śaṣṭgānī*, each of which attained wide popularity in their day; the distinction being of particular interest to numismatists in view of the subsequent development of the currency and the total abandonment of a trinary notation, culminating in the subdivisions of the rupee obtaining at the present time.

6th January, 1924.

H. NELSON WRIGHT.
H. R. NEVILL.

¹ Modified, see p. 73.

APPENDIX B 1

ASSAYS BY DR. S. W. SMITH, C.B.E., CHIEF ASSAYER, THE
ROYAL MINT

Catalogue Number	Sultan	No. of pieces	Weights (grains)	Fine Silver assay per 1,000	Fine Silver Contents (grains)
10	Muhammad bin Sam	10	1 56.8	163	9.25
			2 55.0	157	8.65
			3 55.0	Nil	Nil
			4 55.0	107	5.90
			5 53.8	86	4.65
			6 53.0	164	8.70
			7 52.6	Nil	Nil
			8 51.0	Nil	Nil
			9 51.0	169	8.60
			10 50.6	167	8.45
17	"	6	1 56.1	130	7.30
			2 54.3	128	6.95
			3 54.2	128	6.95
			4 52.7	135	7.10
			5 50.4	131	6.60
			6 50.2	150	7.55
54	Itutmish	4	1 54.1	57	3.10
			2 51.2	88	4.50
			3 47.0	64	3.10
			4 45.4	108	4.90
81	"	1	51.9	163	8.45
91	"	2	1 54.7	164	8.95
			2 51.4	130	6.70
176	Bahrām	1	53.6	58	3.10
211	Mas'ud	4	1 55.7	40	2.25
			2 54.5	46	2.50
			3 53.6	41	2.20
			4 52.6	44	2.30
228	Mahmūd I	8	1 57.2	42	2.40
			2 55.1	66	3.65
			3 54.6	42	2.30
			4 54.3	76	4.15
			5 53.1	42	2.25
			6 51.8	81	4.20
			7 51.8	72	3.65
			8 51.2	60	3.10

Catalogue Number	Sultān	No. of pieces	Weights (grains)	Fine Silver assay per 1,000	Fine Silver Contents (grains)
233	Mahmūd I	1	52.2	64	3.35
244	Balban	10	1 55.0 2 54.4 3 54.2 4 53.6 5 51.9 6 51.7 7 50.6 8 49.9 9 49.2 10 46.9	88 86 94 96 88 94 100 96 Nil 112	4.85 4.75 5.10 5.15 4.55 4.85 5.05 4.80 Nil 5.25
263	Kaiqubād	3	1 53.0 2 52.3 3 49.1	157 164 161	8.30 8.60 7.90
287	Firūz II	9	1 52.1 2 51.7 3 51.4 4 51.3 5 51.0 6 49.7 7 49.3 8 49.0 9 47.8	52 44 32 45 56 43 61 36 49	2.70 2.25 1.65 2.30 2.85 2.15 3.10 1.75 2.35
324	Muhammad II (Alā'u-d-dīn)	10	1 56.1 2 56.1 3 54.5 4 53.6 5 53.0 6 52.3 7 52.1 8 50.6 9 48.7 10 47.1	248 234 254 245 246 244 280 234 270 Nil	13.90 13.10 13.85 13.15 13.05 12.80 14.60 11.85 13.15 Nil
342	„	16	1 56.1 2 55.5 3 55.3 4 55.2 5 55.1 6 54.8 7 54.6 8 54.3 9 54.3 10 53.7	81 86 81 40 83 82 79 82 86 83	4.55 4.75 4.50 2.20 4.60 4.50 4.30 4.45 4.65 4.45

Catalogue Number	Sultan	No. of pieces	Weights (grains)		Fine Silver assay per 1,000	Fine Silver Contents (grains)
342	Muhammad II 'Ala'u-d-din	16	11	53.6	79	4.25
			12	52.8	94	4.96
			13	52.4	90	4.70
			14	51.7	88	4.55
			15	50.9	85	4.35
			16	50.8	Nil	Nil
342	"	11	1	55.9	79	4.40
			2	55.6	75	4.15
			3	54.3	77	4.15
			4	53.6	79	4.25
			5	52.5	88	4.60
			6	51.6	Nil	Nil
			7	50.7	83	4.20
			8	49.1	75	3.70
			9	48.4	78	3.80
			10	46.2	81	3.75
			11	43.2	84	3.65
376	Mubarak	2	1	82.55	342 (1.2 A/)	29.20
			2	82.42	343 (2 A/)	29.87
379	" (square)	8	1	55.1	Nil	Nil
			2	54.6	357	19.50
			3	54.3	308	16.70
			4	54.2	315	17.10
			5	53.2	Nil	Nil
			6	53.0	333	17.65
			7	51.9	324	16.80
			8	44.9	Nil	Nil
390	"	5	1	55.3	167	9.25
			2	54.6	160	8.20
			3	53.6	168	9.00
			4	51.8	170	8.80
			5	50.3	166	8.35
403	"	4	1	55.7	160	8.90
			2	55.6	160	8.90
			3	54.8	165	9.05
			4	48.9	Nil	Nil
408	"	1		53.9	164	8.85
413	" (square)	4	1	56.2	217	12.20
			2	55.7	144	8.25
			3	55.3	178	9.85
			4	53.2	156	8.30

Catalogue Number	Sultan	No. of pieces	Weights (grains)	Fine Silver assay per 1,000	Fine Silver Contents (grains)
443	Tughluq I	8	1 56.4	244	13.75
			2 56.1	244	13.70
			3 56.1	243	13.65
			4 55.9	247	13.80
			5 55.8	237	13.25
			6 55.6	243	13.50
			7 52.0	Nil	Nil
			8 52.0	243	12.65
456	"	2	1 50.5	232	11.70
			2 48.9	237	11.60
464	"	3	1 56.6	81	4.60
			2 54.9	84	4.60
			3 54.2	82	4.45
467	"	2	1 56.2	242	13.60
			2 54.1	244	13.20
509	Muhammad III	8	1 141.0	332	46.70
			2 140.8	320	45.00
			3 140.2	308	43.20
			4 139.4	321	44.70
			5 139.0	337	46.75
			6 137.7	308	42.35
			7 122.4	46	5.65
			8 121.4	Nil	Nil
522	"	4	1 56.1	220	12.35
			2 55.8	216	13.75
			3 54.6	239	13.05
			4 54.3	249	13.55
529	"	8	1 57.4	Nil	Nil
			2 57.1	403	23.00
			3 55.4	415	23.00
			4 55.3	410	22.70
			5 55.2	414	22.85
			6 54.9	426	23.40
			7 53.7	Nil	Nil
			8 48.9	435	21.30
536	"	1	59.0	358	21.15
538	"	10	1 56.9	240	13.65
			2 55.9	243	13.60
			3 55.9	247	13.80
			4 55.9	230	12.85
			5 55.8	259	14.45
			6 55.4	200	11.10
			7 53.7	235	12.65

Catalogue Number	Sultan	No. of pieces	Weights (grains)	Fine Silver assay per 1,000	Fine Silver Contents (grains)
538	Muhammad III	10	8 53.6	Nil	Nil
			9 53.4	254	13.60
			10 51.2	239	12.25
552	"	5	1 56.3	234	13.20
			2 50.0	242	12.10
			3 46.5	152	7.05
			4 45.4	Nil	Nil
			5 44.1	Nil	Nil
629-635	"	4	1 139.2	250	34.80
			2 139.1	250	34.75
			3 131.6	Nil	Nil
			4 129.8	207	26.85
660	Firuz III	2	1 140.5	193	27.10
			2 132.2	205	27.10
663-677	"	9	1 142.5	101	14.40
			2 138.3	185	25.60
			3 137.5	180	24.75
			4 136.8	185	25.25
			5 136.3	205	27.95
			6 134.9	194	26.15
			7 132.5	192	25.40
			8 132.3	Nil	Nil
			9 130.0	Nil	Nil
694	"	4	1 55.1	121	6.65
			2 54.9	115	6.30
			3 53.1	119	6.30
			4 49.8	120	5.95
702	"	1	1 56.5	190	10.75
706	"	5	1 55.7	97	5.40
			2 55.0	117	6.45
			3 53.6	112	6.00
			4 52.2	122	6.35
			5 50.5	135	6.80
746	Fath-Khan	3	1 138.0	206	28.40
			2 136.7	187	25.55
			3 134.9	200	27.00
751	"	3	1 142.1	210	29.80
			2 142.0	187	26.50
			3 136.6	205	28.00
757	"	1	1 53.6	196	10.50

Catalogue Number	Sultan	No. of pieces	Weights (grains)	Fine Silver assay per 1,000	Fine Silver Contents (grains)
813	Muhammad IV	4	1 142.7	194	27.65
			2 141.7	200	28.35
			3 141.6	202	28.60
			4 134.2	199	26.75
924	Bahlol	6	1 146.5	153	22.40
			2 145.7	177	25.80
			3 145.0	60	8.70
			4 144.3	190	27.40
			5 143.1	140	20.00
			6 142.8	162	23.10
938	"	3	1 53.8	135	7.25
			2 53.0	158	8.35
			3 57.2	130	7.43
967	Sikandar II	25	1 145.1	63	9.15
			2 145.1	64	9.30
			3 144.4	30	4.35
			4 144.3	12	1.75
			5 144.2	58	8.35
			6 143.9	61	8.75
			7 143.6	60	8.60
			8 141.9	49	6.95
			9 141.9	50	7.10
			10 140.3	44	6.15
			11 139.6	72	10.05
			12 139.3	62	8.65
			13 139.1	65	9.05
			14 138.8	38	5.25
			15 138.4	49	6.80
			16 137.8	57	7.85
			17 134.3	Nil	Nil
			18 133.4	Nil	Nil
			19 133.1	Nil	Nil
			20 132.7	23	3.05
			21 131.4	51	6.70
			22 129.7	Nil	Nil
			23 129.3	Nil	Nil
			24 128.7	Nil	Nil
			25 127.1	59	7.50

S. W. SMITH.

20th February 1929.

NOTE:—Coins of pure copper or with a disproportionate silver contents have been excluded from averages as being probable fabrications.

SUMMARY OF FOREGOING ASSAYS

Catalogue Number	Means of those which contained silver			Coins not containing Silver
	No. of Coins	Parts per 1,000	Grains	
10	7	144.7	7.74	3
17	6	133.3	7.07	—
54	4	79.2	3.90	—
81	1	163.0	8.45	—
91	2	147.0	7.82	—
176	1	58.0	3.10	—
211	4	42.7	2.31	—
228	8	60.1	3.21	—
233	1	64.0	3.35	—
244	9	94.0	4.93	1
283	3	160.6	8.26	—
287	9	46.2	2.34	—
324	9	250.6	13.27	1
342	15	81.3	4.38	1
342	10	79.9	4.06	1
376	2	342.5 ¹	29.53	—
379	5	327.4	17.55	3
390	5	166.6	8.72	—
403	3	161.7	8.95	1
408	1	164.0	8.85	—
413	4	173.7	9.65	—
443	7	243.0	13.47	1
456	2	234.5	11.65	—
464	3	82.3	4.35	—
467	2	243.0	13.40	—
509	6	321.0	44.78	1, and 1 @ 46 / ₁₀₀ = 5.65 gra.
522	4	238.5	13.18	—
529	6	417.2	22.71	2
536	1	358.0	21.15	—
538	9	238.6	13.11	1
552	3	209.3	10.78	2
629-635	3	235.7	32.20	1
660	2	199.0	27.10	—
663-677	6	190.0	25.85	2, and 1 @ 101 %/ ₁₀₀ = 14.40 gra.
694	4	118.7	6.30	—
702	1	190.0	10.75	—
706	5	116.6	6.20	—
746	3	197.7	27.00	—
751	3	200.7	28.10	—
757	1	196.0	10.50	—
813	4	198.7	27.84	—
924	5	164.4	23.74	—, and 1 @ 60 %/ ₁₀₀ = 8.70 gra.
938	3	141.0	7.68	—
967	19	50.9	7.12	6

¹ Plus 1.2 parts of gold in one and 2 parts in the other.

B 1 (a)

Catalogue Number	Sultān	No. of pieces	Weights (grains)	Fine Silver assay per 1,000	Fine Silver Contents (grains)
388	Mubārak	2	1 56.00	249	13.94
			2 56.55	251	14.19
			Average 56.27	250	14.06
394	"	2	1 55.30	168	9.29
			2 54.26	168	9.11
399	"	2	1 55.90	165	9.22
			2 52.15	170	8.87
			Average 54.40	167.7	9.12

S. W. SMITH.

9th February, 1934

B 1 (b)

Catalogue Number	Sultān	No. of pieces	Weights (grains)	Fine Silver assay per 1,000	Fine Silver Contents (grains)
552	Muhammad bin Tughluq	4	1 55.61	247	13.73
			2 56.13	246	13.81
			3 56.20	248	13.94
			4 55.02	246	13.53
561	"	1	1 56.20	82	4.61
691	Firūz III	2	1 80.80	139	11.23
			2 80.43	141	11.36
702	"	2	1 55.60	205	11.39
			2 55.61	187	10.39
709	"	2	1 55.68	172	9.57
			2 47.32	195	9.65

S. W. SMITH.

27th April, 1934

APPENDIX B 2

ASSAYS BY DR. H. J. PLENDERLEITH, OF THE BRITISH MUSEUM LABORATORY

Showing percentages of Copper and Silver

Catalogue Number	Sultān	No. of pieces	per cent. Copper		per cent. Silver
208	'Alā'u-d-dīn Mas'ūd	3	1	91.22	4.92
			2	89.95	3.97
			3	91.77	4.76
		Average		90.98	4.55
211	„	3	1	92.02	4.23
			2	87.72	7.10
			3	94.52	1.17
		Average		91.42	4.17
228	Naṣīru-d-dīn Mahmūd I	9	1	88.69	6.30
			2	88.65	7.12
			3	89.60	6.83
			4	90.67	6.43
			5	93.58	2.66
			6	90.18	4.98
			7	88.59	6.14
			8	90.42	4.92
			9	88.90	6.25
		Average		89.92	5.74
443-463	<u>Ghiyāṣu-d-dīn</u> <u>Tughluq I</u>	5	1	73.28	25.11
			2	59.73	21.60 ¹
			3	72.19	26.30
			4	74.04	25.51
			5	72.93	25.28
		Average		71.68	23.67
		656	Firuz III (early type)	1	1	81.38	17.84
657	1	1		77.89	18.89
660	1	1		77.62	20.14
Average		78.96	18.96		

¹ There was much lead present in this coin.

Catalogue Number	Sultān	No. of pieces	per cent. Copper		per cent. Silver
663	Firūz III (later type)	1	1	79.04	18.64
664	"	1	1	77.75	20.46
665	"	1	1	76.72	20.97
667	"	1	1	77.45	19.97
668	"	3	1	77.71	18.95
			2	77.93	20.52
			3	78.52	20.32
674	"	1	1	77.61	19.98
676	"	4	1	77.73	18.97
			2	78.38	19.62
			3	81.39	18.47
			4	78.47	19.14
679	"	1	1	78.41	19.55
680	"	1	1	79.12	19.53
681	"	1	1	79.98	16.90
685	"	1	1	81.34	16.55
		Average		78.60	19.28

NOTE:—It appears that the coins all contain traces of gold—average value about 0.2 per cent. Tin is almost invariably present in small quantity and in some lead was found together with traces of mercury.










H. J. PLENDERLEITH.















17th December, 1926.















APPENDIX C

















TABLE OF ORNAMENTS FOUND ON THE COINS OF THE SULTANS OF DEHLI WITH THE CATALOGUE NUMBERS OF THE COINS ON WHICH THEY OCCUR.














(n.) in the table below signifies *note*.














- | | | |
|---|---|---|
| 1 |  | 14, 37, 48, 73, 78, 96, 103. |
| 2 |  | 17. |
| 3 |  | 19B, 134, 986, 1180, 1181, 1212-19, 1333-5, 1336B, 1371-83, 1390. |
| 4 |  | 20, 32, 32A, 44, 85-7, 106-9, 122C, 123, 123B, 123D, 137A, 139A, 163A, 984-5, 1030C, 1033, 1039, 1040, 1043 (n.), 1049, 1059A, 1060, 1060A, 1061, 1062, 1101, 1102, 1103, 1119, 1119A, 1120, 1121, 1122A, 1129, 1135 (n.), 1141, 1142, 1172, 1175-6, 1198-9, 1201, 1202-11, 1219, 1235-7, 1245-50, 1282B, 1305-8, 1327-8, 1361, 1410-11, 1420, 1424, 1480D-E. |
| 5 |  | 58A, 62A, 62D, 62E, 63, 64, 65B, 68-72, 73, 163B, 173-4, 178, 1134, 1390 (n.), 1412-13. |
| 6 |  | 56, 59, 62C, 81, 81A, 155. |
| 7 |  | 58. |
| 8 |  | 62B. |
| 9 |  | 82, 491, 492B, 626, 1031, 1033, 1039, 1042A, 1047, 1059, 1067A, 1069, 1078, 1090, 1091A, 1092-3-4, 1094A, 1095-1100, 1102, 1103C-D, 1107, 1119, 1156-8, 1159-60, 1175-6, 1190, 1198-1200, 1202-11, 1237, 1238 (n.), 1282B, 1294A, 1303-4, 1304A-B-C, 1313, 1326-6A, 1327-8, 1348A-9-9A-9G, 1350-1, 1351A-H, 1352, 1353 (n.), 1354, 1400-1, 1434D, 1469-70, 1472-5, 1480D-E. |














- 10  129.
- 11  131, 1102 (n.).
- 12  175, 178 A, 1043 (n.), 1105-6, 1107-11, 1122, 1194-5, 1244 A.
- 13  176-7, 1436-7.
- 14  192-3, 207 B, 635 (n.), 706 (n.), 712, 1122, 1125-6, 1130, 1139, 1142 A, 1144, 1145, 1171, 1178, 1191, 1254, 1288, 1299, 1300-1, 1331-2, 1389, 1414, 1427, 1435, 1435 A.
- 15  238, 1031, 1032, 1050, 1051, 1075, 1089 A, 1101, 1102, 1103, 1121, 1132, 1238-43, 1294 A, 1295, 1297, 1387, 1402-5, 1440.
- 16  491, 492 B, 492 D, 505 A, 624 B, 627, 635 (n.), 636 A, 1030 D, 1067, 1092-3-4, 1198-1201, 1251, 1300-1-2, 1361, 1361 A, 1384-7.
- 17  491 A, 491 C-D, 491 H, 505 A, 621, 625.
- 18  491 C, 491 E.
- 19  491 D.
- 20  491 G.
- 21  492 B.
- 22  492 B.
- 23  624.












- 24  624.
- 25  624 A, 1074 (n.), 1098-9-1100, 1318-26, 1438.
- 26  625 A.
- 27  626, 1255-6.
- 28  628 A.
- 29  635 (n.).
- 30  635 (n.), 1091 A, 1482 (n.).
- 31  690 A.
- 32  991.
- 33  1030 D, 1073, 1078, 1091 A, 1094 A, 1218, 1294.
- 34  1074.
- 35  1033-3 A, 1315 A.
- 36  1035, 1036, 1103 A.
- 37  1043-5.

- 38  1043.
- 39  1046.
- 40  1046.
- 41  1047.
- 42  1047, 1291.
- 43   1068, 1091, 1135-8, 1140, 1221-4, 1282, 1293-4, 1298-9, 1384 (n.), 1390 (n.), 1417-19, 1421, 1434 A, 1479 (n.).
- 44  1068.
- 45  1069.
- 46  1089.
- 47  1089 A, 1282 B, 1440 A.
- 48  1090, 1091.
- 49    1092-3-4.
- 50  1095-6-7.

- 51  1102.
- 52  1102 (n.).
- 53  1103.
- 54  1104.
- 55  1124.
- 56  1067.
- 57  1120.
- 58 — 1121, 1123, 1129.
- 59  1124.
- 60  1296, 1387, 1442, 1444-6, 1447-8-9, 1450-8, 1480 B.
- 61  1149.
- 62  1172 A, 1182.
- 63  1282 B.
- 64  1287 A.

- 65  1030 D, 1077-7 A-8, 1304 B-C.
- 66  1063-4-5-6, 1309, 1371-81, 1480.
- 67  1310.
- 68  1311.
- 69  1312.
- 70  1316.
- 71  1317.
- 72  1329.
- 73  1340-40 A, 1458 A.
- 74  1341-7, 1469-61, 1476-7.
- 75  1339 A.
- 76  1365.
- 77  1384-7.

- 78  1393-4-5-6.
- 79  1427.
- 80  1434 F.
- 81  1435 B.
- 82  1469-75, 1480 D-E.
- 83  1482.
- 84  1041 A, 1042, 1480.
- 85  1483 C.
- 86  1032.
- 87  173.
- 88  175.
- 89  64, 176.
- 90  193-4.

- 91  784, 875.
- 92  995-6-7, 1031.
- 93  628 B.
- 94  628 C.
- 95  68.
- 96  827.¹
- 97  835 (n.), 1112-13, 1244-44 A, 1292, 1335 A, 1406-8, 1482.
- 98  698
- 99  1123.
- 100  1315 A.
- 101  1483 F.

¹ No. 96. This m.m. also occurs on some specimens of Cat. No. 134 (R.B.).

APPENDIX D

PHRASES AND TITLES FOUND ON THE COINS OF THE SULTĀNS OF DEHLĪ WITH THEIR ENGLISH EQUIVALENTS.

ابو الفتح	Father of victory.
ابو الغازی	Father of the champion (of the faith).
ابو المجاهد	Father of the warrior (in the cause of religion).
ابو المحامد	Father of laudable qualities.
ابو المظفر	Father of the conqueror.
اسکندر الثانی	A second Alexander.
اسکندر الزمان	The Alexander of the age.
اشهد ان	I testify that.
اطيعوا الله و اطيعوا الرسول و اولی الامر منكم	Obey Allah and obey the prophet and those in authority among you (Qur'ān IV. 62).
اعنى	That is to say (see No. 484).
اقلیم - اقليم الشرق	Country (climate) — the eastern province.
الأعظم	The supreme.
الامام	The Imām or religious leader.
الحامی الدين الديان	The protector of the religion of the requiter of good and evil (Allah).
الدرهم الشرعى	The legal dirham.
الراجى رحمة الله الكريم	Hoping (client) for the mercy of Allah the beneficent.
الربرى	The quarter (piece).
السعيد الشهيد	The fortunate, the testifier.
الشرف	Nobility (a name applied to a silver coin of Laknauti (No. 52A).
العاذل	The just.
العبد الراجى رحمة الله	The servant hoping for the mercy of Allah.
الغازى	The champion (of the faith).
الفضة	Silver (coin).

الله الكافي و الخليفة المستكفي	Allah the perfect (sufficient) and the Caliph al-Mustakfi. ¹
المتوكل على الله	Trusting in Allah.
المجاهد في سبيل الله	The warrior in the path of Allah.
المعظم	The great.
الملك و العزة لله	The kingdom and the glory belong to Allah.
الملك و العظمة لله	The kingdom and the greatness belong to Allah.
الموّد	The strengthened.
الوائق بالله	Confiding in Allah.
الوائق بنصر الله	Confiding in the assistance of Allah.
الوائق بنصر الرحمن	Confiding in the assistance of the Merciful.
الوائق بتأييد الرحمان	Confiding in divine support.
الوائق بتأييد يزداني	Confiding in divine support.
امير المؤمنين	Commander of the faithful.
انار الله برهانه	May Allah illumine his proof.
أنا فتنحنك لك فتح مبين *	Verily we have won for thee a manifest victory (Qur'an XLVIII. 1).
بامر الله	By the decree of Allah.
برهان امير المؤمنين	A prince of the commander of the faithful.
بلاد هند (بلاد الهند)	The country of India (بلاد is plural of بلدت).
بلدت	Town.
تختگاه	Capital (lit. throne-place).
جلّ الله ظلال جلاله	May Allah glorify the shadows of his glory.
حسبي ربي	My sufficiency is my lord.
حضرت	Capital (lit. 'presence'—an honorific title).
خلد الله ملكه و سلطانه	May Allah perpetuate his kingdom and his power.
خلدت خلافته	May his empire endure for ever.
خلدت ملكه	May his kingdom endure for ever.
خليفة الزمان	The Caliph of the age.
خليفة الله في العالم or العالمين	Vicegerent (Caliph) of Allah in the world—or the two worlds.

¹ Al-Mustakfi means 'one who seeks sufficiency in Allah'.

² In the Qur'an the last two words are فتحنك مبيناً. The coin legend is grammatically in error.

دار الخلافه	The abode of the Caliphate.
دار القرب	The abode of the mint.
دار الملك	The abode of the kingdom—capital.
دامت سلطنته	May his empire (or majesty) endure.
دره (دهار)	The pass of (Dhār).
ذی الفتح و الباذل	Endowed with victory and munificent.
ذی الغیض و الاحسان	Endowed with liberality and beneficence.
رائج در روزگار (عهد) بنده	Current in the time of the hopeful servant.
امیدوار	
رب العالمین	Lord of the two worlds.
ساحه سند	The plain of Sind.
سیف الملك	The sword of the kingdom.
شلیفہ	Shalīfa—the Nāgarī equivalent of خلیفہ—Caliph.
شہنشاہ باذل	Munificent king of kings.
ظل اللہ	The shadow of Allah.
ظہیر امیر المومنین	Supporter of the Commander of the faithful.
عبده	His servant.
عرصہ ستگاؤں	The plain of Satgāon.
عصہ خلیفہ اللہ	The arm (helper) of the vicegerent of Allah.
غوس (غوث sic for) الاسلام و الملك	The help of Islām and the kingdom.
فی شہور	In the year (lit. months).
فی زمن (زمان) (or) فی عہد	In the time (of).
قبہ الاسلام	The vault or arch of Islām.
قلعہ	Fort.
گان گانی — دو — شش — ہشت — پنجاہ	گان is a term indicating quantity. Thus دو گانی = a piece of two (dual); شش گانی = a piece of six; ہشت گانی = a piece of eight; and پنجاہ گانی = a piece of fifty.
لا الہ الا اللہ و محمد رسول اللہ	There is no deity but Allah and Muḥammad is the Apostle of Allah.
لولا السلطان لاکل الناس بعضهم	If there were no Sultān verily the people would devour one another.

محي سنن خاتم النبيين	Reviver of the laws of the 'seal of the prophets' (Muhammad).
من خراج قنوج وكفر	See p. 72.
من اطاع السلطان فقد اطاع الرحمن	He who obeys the Sulṭān, truly he obeys the Merciful one (Allah).
ناصر امير المؤمنين	Helper of the Commander of the Faithful.
نصرة امير المؤمنين	Help of the Commander of the Faithful (fem.).
نائب	Deputy.
हमीरः	Nāgarī equivalent of امير
هو الذي ارسل رسوله بالهدى ودين الحق ليظهره على الدين كله	He it is who hath sent his Apostle with guidance and the religion of truth to make it victorious over all religions.
و اعلى امره و شانه	And may (Allah) exalt his rule and dignity.
و الله الغنى و انتم الفقراء	And Allah is the rich and ye are the poor (Qur'an XLVII. 40).
ولى امير المؤمنين	Trustee of the Commander of the Faithful.
يمين الخلافة	The right hand of the Caliphate.
يمين خليفة الله	The right hand of the Vicegerent of Allah (Caliph).

APPENDIX E

THE 'ABBĀSID KHALĪFAS IN EGYPT

FROM A.H. 659 TO A.H. 779¹

	A.H.
Abū-l-Qāsim Aḥmad <i>al-Mustangir</i>	659
Abū-l-'Abbās Aḥmad <i>al-Ḥākim I</i>	661
Abū-Rabī'a Sulaimān <i>al-Mustakfi I</i>	701
Abū-Ishāq Ibrāhīm <i>al-Wāsiq I</i>	740
Abū-l-'Abbās Aḥmad <i>al-Ḥākim II</i>	740
Abū-l-Faṭḥ Abūbakr <i>al-M'utagid I</i>	753
Abū 'Abdallāh Muḥammad <i>al-Mutawakkil I</i>	763

¹ With acknowledgments to Colonel E. von Zambaur, *Manuel de Généalogie et de Chronologie pour l'histoire de L'Islam*, 1927.

APPENDIX F

COMPARATIVE TABLE OF THE YEARS OF THE HIJRA AND OF THE CHRISTIAN ERA

FROM A.H. 589 TO A.H. 964

A.H.	A.D.	A.H.	A.D.	A.H.	A.D.
589	1193, Jan. 7	627	1229, Nov. 20	665	1266, Oct. 2
590	1193, Dec. 27	628	1230, " 9	666	1267, Sept. 22
591	1194, " 16	629	1231, Oct. 29	667	1268, " 10
592	1195, " 6	630	1232, " 18	668	1269, Aug. 31
593	1196, Nov. 24	631	1233, " 7	669	1270, " 20
594	1197, " 13	632	1234, Sept. 26	670	1271, " 9
595	1198, " 3	633	1235, " 16	671	1272, July 29
596	1199, Oct. 23	634	1236, " 4	672	1273, " 18
597	1200, " 12	635	1237, Aug. 24	673	1274, " 7
598	1201, " 1	636	1238, " 14	674	1275, June 27
599	1202, Sept. 20	637	1239, " 3	675	1276, " 15
600	1203, " 10	638	1240, July 23	676	1277, " 4
601	1204, Aug. 29	639	1241, " 12	677	1278, May 25
602	1205, " 18	640	1242, " 1	678	1279, " 14
603	1206, " 8	641	1243, June 21	679	1280, " 3
604	1207, July 28	642	1244, " 9	680	1281, April 22
605	1208, " 16	643	1245, May 29	681	1282, " 11
606	1209, " 6	644	1246, " 19	682	1283, " 1
607	1210, June 25	645	1247, " 8	683	1284, Mar. 20
608	1211, " 15	646	1248, April 26	684	1285, " 9
609	1212, " 3	647	1249, " 16	685	1286, Feb. 27
610	1213, May 23	648	1250, " 5	686	1287, " 16
611	1214, " 13	649	1251, Mar. 26	687	1288, " 6
612	1215, " 2	650	1252, " 14	688	1289, Jan. 25
613	1216, April 20	651	1253, " 3	689	1290, " 14
614	1217, " 10	652	1254, Feb. 21	690	1291, " 4
615	1218, Mar. 30	653	1255, " 10	691	1291, Dec. 24
616	1219, " 19	654	1256, Jan. 30	692	1292, " 12
617	1220, " 8	655	1257, " 19	693	1293, " 2
618	1221, Feb. 25	656	1258, " 8	694	1294, Nov. 21
619	1222, " 15	657	1258, Dec. 29	695	1295, " 10
620	1223, " 4	658	1259, " 18	696	1296, Oct. 30
621	1224, Jan. 24	659	1260, " 6	697	1297, " 19
622	1225, " 13	660	1261, Nov. 26	698	1298, " 9
623	1226, " 2	661	1262, " 15	699	1299, Sept. 28
624	1226, Dec. 22	662	1263, " 4	700	1300, " 16
625	1227, " 12	663	1264, Oct. 24	701	1301, " 6
626	1228, Nov. 30	664	1265, " 13	702	1302, Aug. 26

COMPARATIVE TABLE OF HIJRA AND CHRISTIAN ERAS 427

A.H.	A.D.	A.H.	A.D.	A.H.	A.D.
703	1303, Aug. 15	756	1355, Jan. 16	809	1406, June 18
704	1304, " 4	757	1356, " 5	810	1407, " 8
705	1305, July 24	758	1356, Dec. 25	811	1408, May 27
706	1306, " 13	759	1357, " 14	812	1409, " 16
707	1307, " 3	760	1358, " 3	813	1410, " 6
708	1308, June 21	761	1359, Nov. 23	814	1411, April 25
709	1309, " 11	762	1360, " 11	815	1412, " 13
710	1310, May 31	763	1361, Oct. 31	816	1413, " 3
711	1311, " 20	764	1362, " 21	817	1414, Mar. 23
712	1312, " 9	765	1363, " 10	818	1415, " 13
713	1313, April 28	766	1364, Sept. 28	819	1416, " 1
714	1314, " 17	767	1365, " 18	820	1417, Feb. 18
715	1315, " 7	768	1366, " 7	821	1418, " 8
716	1316, Mar. 26	769	1367, Aug. 28	822	1419, Jan. 28
717	1317, " 16	770	1368, " 16	823	1420, " 17
718	1318, " 5	771	1369, " 5	824	1421, " 6
719	1319, Feb. 22	772	1370, July 26	825	1421, Dec. 26
720	1320, " 12	773	1371, " 15	826	1422, " 15
721	1321, Jan. 31	774	1372, " 3	827	1423, " 5
722	1322, " 20	775	1373, June 23	828	1424, Nov. 23
723	1323, " 10	776	1374, " 12	829	1425, " 13
724	1323, Dec. 30	777	1375, " 2	830	1426, " 2
725	1324, " 18	778	1376, May 21	831	1427, Oct. 22
726	1325, " 8	779	1377, " 10	832	1428, " 11
727	1326, Nov. 27	780	1378, April 30	833	1429, Sept. 30
728	1327, " 17	781	1379, " 19	834	1430, " 19
729	1328, " 5	782	1380, " 7	835	1431, " 9
730	1329, Oct. 25	783	1381, Mar. 28	836	1432, Aug. 28
731	1330, " 15	784	1382, " 17	837	1433, " 18
732	1331, " 4	785	1383, " 6	838	1434, " 7
733	1332, Sept. 22	786	1384, Feb. 24	839	1435, July 27
734	1333, " 12	787	1385, " 12	840	1436, " 16
735	1334, " 1	788	1386, " 2	841	1437, " 5
736	1335, Aug. 21	789	1387, Jan. 22	842	1438, June 24
737	1336, " 10	790	1388, " 11	843	1439, " 14
738	1337, July 30	791	1388, Dec. 31	844	1440, " 2
739	1338, " 20	792	1389, " 20	845	1441, May 22
740	1339, " 9	793	1390, " 9	846	1442, " 12
741	1340, June 27	794	1391, Nov. 29	847	1443, " 1
742	1341, " 17	795	1392, " 17	848	1444, April 20
743	1342, " 6	796	1393, " 6	849	1445, " 9
744	1343, May 26	797	1394, Oct. 27	850	1446, Mar. 29
745	1344, " 15	798	1395, " 16	851	1447, " 19
746	1345, " 4	799	1396, " 5	852	1448, " 7
747	1346, April 24	800	1397, Sept. 24	853	1449, Feb. 24
748	1347, " 13	801	1398, " 13	854	1450, " 14
749	1348, " 1	802	1399, " 3	855	1451, " 3
750	1349, Mar. 22	803	1400, Aug. 22	856	1452, Jan. 23
751	1350, " 11	804	1401, " 11	857	1453, " 12
752	1351, Feb. 28	805	1402, " 1	858	1454, " 1
753	1352, " 18	806	1403, July 21	859	1454, Dec. 22
754	1353, " 6	807	1404, " 10	860	1455, " 11
755	1354, Jan. 26	808	1405, June 29	861	1456, Nov. 29

A.H.	A.D.
862	1457, Nov. 19
863	1458, " 8
864	1459, Oct. 28
865	1460, " 17
866	1461, " 6
867	1462, Sept. 26
868	1463, " 15
869	1464, " 3
870	1465, Aug. 24
871	1466, " 13
872	1467, " 2
873	1468, July 22
874	1469, " 11
875	1470, June 30
876	1471, " 20
877	1472, " 8
878	1473, May 29
879	1474, " 18
880	1475, " 7
881	1476, April 26
882	1477, " 15
883	1478, " 4
884	1479, Mar. 25
885	1480, " 13
886	1481, " 2
887	1482, Feb. 20
888	1483, " 9
889	1484, Jan. 30
890	1485, " 18
891	1486, " 7
892	1486, Dec. 28
893	1487, " 17
894	1488, " 5
895	1489, Nov. 25
896	1490, " 14

A.H.	A.D.
897	1491, Nov. 4
898	1492, Oct. 23
899	1493, " 12
900	1494, " 2
901	1495, Sept. 21
902	1496, " 9
903	1497, Aug. 30
904	1498, " 19
905	1499, " 8
906	1500, July 28
907	1501, " 17
908	1502, " 7
909	1503, June 26
910	1504, " 14
911	1505, " 4
912	1506, May 24
913	1507, " 13
914	1508, " 2
915	1509, April 21
916	1510, " 10
917	1511, Mar. 31
918	1512, " 19
919	1513, " 9
920	1514, Feb. 26
921	1515, " 15
922	1516, " 5
923	1517, Jan. 24
924	1518, " 13
925	1519, " 3
926	1519, Dec. 23
927	1520, " 12
928	1521, " 1
929	1522, Nov. 20
930	1523, " 10

A.H.	A.D.
931	1524, Oct. 29
932	1525, " 18
933	1526, " 8
934	1527, Sept. 27
935	1528, " 15
936	1529, " 5
937	1530, Aug. 25
938	1531, " 15
939	1532, " 3
940	1533, July 23
941	1534, " 13
942	1535, " 2
943	1536, June 20
944	1537, " 10
945	1538, May 30
946	1539, " 19
947	1540, " 8
948	1541, April 27
949	1542, " 17
950	1543, " 6
951	1544, Mar. 25
952	1545, " 15
953	1546, " 4
954	1547, Feb. 21
955	1548, " 11
956	1549, Jan. 30
957	1550, " 20
958	1551, " 9
959	1551, Dec. 29
960	1552, " 18
961	1553, " 7
962	1554, Nov. 26
963	1555, " 16
964	1556, " 4

