CATALOGUE OF THE EGYPTIAN HIEROGLYPHIC PRINTING TYPE

FROM MATRICES IN THE POSSESSION OF DR. ALAN H. GARDINER THE METROPOLITAN MUSEUM OF ART

CATALOGUE OF THE EGYPTIAN HIEROGLYPHIC PRINTING TYPE

FROM MATRICES OWNED AND CON-TROLLED BY DR. ALAN H. GARDINER

> IN TWO SIZES 18 POINT : 12 POINT WITH INTERMEDIATE FORMS

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PREFACE

THE FORMS are mainly derived from Eighteenth Dynasty originals copied in the tombs of Thebes by Mr. and Mrs. de Garis Davies. The matrices have been cut by Mr. W. J. Bilton of Messrs. Bannerman & Son, Ltd., with whom they are deposited by Dr. Alan H. Gardiner, their owner and editor. The type for this catalogue has been cast, composed, arranged, and printed at the University Press, Oxford.



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THE genesis of the present fount of Egyptian hieroglyphs is explained in the following extracts from the Preface to the earlier and far less complete Synopsis issued in December 1925:

'The hieroglyphs contained in this synopsis were primarily designed for use in the present writer's Egyptian Grammar, shortly to be issued by the Clarendon Press, but it is hoped that the new fount, the result of an amount of labour and research which few would accurately gauge, may come to be widely used by students of Egyptian philology. The services rendered by the Theinhardt fount, of which the catalogue, with a preface by Richard Lepsius, was published at Berlin in 1875, have been inestimable; but in two important respects, namely the size and the degree of palaeographical accuracy, the new Bannerman fount claims to possess important superior advantages. Take any book in which the Theinhardt hieroglyphs and European type are used side by side; so disproportionate are these to one another that unsightly blank spaces necessarily occur whenever two lines succeed one another with adjacent hieroglyphs. This defect could only be obviated by the employment of hieroglyphic type on the same-sized bodies as the romans chosen for use alongside them, as is the case with our new fount. Then again, the Theinhardt fount was avowedly based upon Twenty-sixth Dynasty originals. At the present day it is rightly felt that in printing Egyptian texts a less debased series of forms ought to be available, and the Eighteenth Dynasty tombs of Thebes seemed to offer the best and richest materials. The drawings for the matrices are the work of Mr. and Mrs. de Garis Davies, whose names are by-words for accuracy and skill in draughtsmanship. With unwearying perseverance they have sought for good originals amid the Theban necropolis, and it is upon these that, with few exceptions, the new types have been modelled. It is not to be denied that in a few cases, like the striking man, the frog, and the head-rest, other sources, or even the memory, have had to be depended upon, but such instances are fortunately few, and, on the whole, the forms shown in our type can be conscientiously recommended to the student as exact reproductions of Eighteenth Dynasty originals, modified only to that small extent which reduction to a small size rendered imperative. Should the new fount receive the welcome which is expected, we shall seek to supplement it from time to time by the addition of new signs; for the moment the 630 and more separate sorts will serve all ordinary needs.

'My indebtedness to my collaborators in this task is enormous. Without the help vouchsafed by Mr. and Mrs. de Garis Davies it could not have been accomplished at all; indeed, my own functions have been simply those of general supervision, criticism, and, I fear, an importunate exaction of the time and skill of others. Messrs. Bannerman have dealt with the undertaking in a spirit quite different from that of mere commercial enterprise, and the skill and care exerted by their very able assistant Mr. W. J. Bilton have been altogether beyond praise. Obviously it lay in the hands of the craftsman who was actually to cut the matrices whether these should turn out a success or not, and Mr. Bilton has never been content with anything short of perfection, so far as his models enabled him to achieve it.'

The Synopsis from which the above extracts are derived exhibited only those sorts which were to be used when printing in 12-point (pica). That size of type is, however, desirable

only in books where hieroglyphs are being employed amidst European characters, as in grammatical or lexicographic treatises, in commentaries on Egyptian texts and the like. For the publication of hieroglyphic texts a larger size seems likely to prove less fatiguing to the eyes, and for this reason all the sorts have been cut in 18-point (3-line nonpareil) as well. The present Catalogue comprises all the matrices, both 18-point and 12-point, comprised in the fount down to the end of 1927. It is proposed to send out lists of additional matrices at the beginning of every year to all printing firms and institutions that have acquired the right to use the fount, so that they may be able to purchase type cast in these matrices from Messrs. Bannerman & Son, Ltd., with whom the matrices are deposited by Dr. Alan H. Gardiner, their owner. Printers who have Egyptological manuscripts to print are advised to examine them early so as to find out what additional sorts will be required. If these represent signs of sufficient frequency to justify the cutting of special matrices, a list of desiderata should be sent to Dr. Gardiner at 9 Lansdowne Road, London, W. 11, together with such drawings or other information as may be available. Every effort will then be made to adapt the drawings, or to produce new ones, so as to meet special requirements, and since the additional matrices will go to enrich the fount as a whole, their cost will be borne by its owner. It must be made clear, however, that the production of new matrices, involving research into the most suitable forms, &c., demands considerable time, so that the longest possible period should be allowed to the editor and to Messrs. Bannerman by the printer who prefers the request.

The various sizes contained in the following Catalogue are arranged so that those marked a are the normal full size to be used when printing in 18-point, and c the normal full size to be used when printing in 12-point.

Examples: $\bigvee 28$, a in $\bigvee 0$; $\bigvee 28$, c in $\downarrow 0$

The sorts marked c are in all cases two-thirds the size of those marked a, in accordance with the general relation of 12-point to 18-point. The c-size as a rule provides a satisfactory smaller size to be employed in 18-point when building up is necessary.

Example : | V 28, c in

The corresponding smaller size for use when printing in 12-point is always marked e; example 1 V 28, e in $\boxed{12}$ $\boxed{2}$. The size marked e, since it has to bear the same relation to c in 12-point printing as c bears to a in 18-point printing, is consistently two-thirds the size of the c-sorts.

It sometimes happens, however, that a size intermediate between a and c is required for 18-point printing, and a size intermediate between c and e for 12-point printing. Such intermediate sizes are labelled b and d respectively, and always agree in their proportions; in the majority of cases b is three-quarters size of a, and d three-quarters size of c.

Examples: \iint with \oiint M 17, b and \iint W 25[†], b looks better than \oiint with \oiint M 17, c and \iint W 25[†], c. Similarly in 12-point \oiint with d-forms for \oiint and \iint looks better than \oiint with e-forms.

Only in a very few cases, e.g. \Leftrightarrow G 54 (c) and \Rightarrow Aa 1 (c), are the b and d forms (\Leftrightarrow G 54, d; • Aa 1, d) to be generally used in preference to the a and c forms. These exceptions are due to later revision, the normal forms having originally been made too large. The remarks

may be ought to be sufficient guide to the printer. Our fount has been devised with the deliberate intention of setting a higher standard in the

printing of hieroglyphs. For this reason some remarks on the main principles to be observed will not be out of place.

In building up groups like \hat{j} the low horizontal signs must always range to top and to bottom respectively. Such settings as $\hat{j} = 0$ or $\hat{j} = 0$ or $\hat{j} = 0$ look extremely bad. The Egyptians paid great attention to symmetry, and took great care to balance the spaces between the signs. In our fount all the types are cut very close, so that spaces have always to be used. The compositor must learn to vary his spaces according to the nature of the signs to be separated from one another. Consecutive tall signs need more space between them than signs which either of themselves or in their combination with other signs show much light. For example such setting as

though not bad, would be improved by more space in the full parts, thus:

「「山の「「い」」の「「「」」

Note that where a low sign stands alone, or else separates two other low signs at top and bottom, it must stand exactly central. So - in - in - in - in the above sentence.

The only common exception to the rule of ranging to top and bottom is in cases like \square , where the lower straight surface of \neg provides a better line to range to than its curved upper part; \square does not look well. Combinations with the common sign \circ are peculiar. At the top of a line, as in \square° , the \neg central looks better than \square° or \square° , though at the bottom of the line \neg should range to bottom, as in \square° .

As explained above, the forms of the signs chosen to be the staple of the new fount are taken from the Eighteenth Dynasty tombs at Thebes. These are admirably fitted for reproducing texts in Middle Egyptian, the classical period of the language ranging from Dyn. XI down to the end of Dyn. XVIII. The propriety of using these forms for Old Egyptian or for texts of the latest period is far more questionable, and we have even heard seriously canvassed the advantages of a fount so palaeographically untrue to any particular epoch that it is exactly equally suited to all periods alike ! To this thesis we cannot, of course, subscribe, and hold that it is best, since a special fount cannot be devised for each separate period, to employ a fount which shows great accuracy for the central and most important stage, and a larger or smaller degree of distortion for the other periods. To mitigate this distortion, however, alternative Old Kingdom forms will often be observed in our Catalogue, where they are always noted as such in the accompanying remarks. The printer should not employ these O.K. (Old Kingdom) forms unless explicitly instructed by the author to do so. It is intended, at a later date, to add N.K. (New Kingdom) forms and Gr.-R. (Graeco-Roman) forms where these prove requisite.

The list is classified in accordance with the sign-list in my *Egyptian Grammar* (Oxford 1927), pp. 432–531. A section at the end showing a number of signs grouped according to their shape ought to make the finding of any given sign comparatively easy.

II

Signs marked with an *asterisk* * are additions to the list included in my grammar, when these additions seemed to demand a position within, and not at the end of, the signs already numbered. A few new signs, e.g. $\cong E_{35}$, have been placed at the end of their respective sections; in such cases the asterisk was naturally not required.

Signs marked with an obelus \dagger are replacements of signs from earlier cut matrices which appeared to need improvement in one way or another. To render these improvements unmistakable to readers of my *Egyptian Grammar* a list of the rejected signs is appended at the end of the Catalogue. Authors should, for example, not accept D 4 ∞ as a rendering of the eye, but should demand D 4[†] ∞ with a smaller and rounder pupil.

In conclusion, let it be emphasized that Mr. and Mrs. Davies who drew the signs, Mr. Bilton who cut them, and the present writer who edits the fount, are all conscious that results very far short of perfection have been obtained, and they would welcome any new fount which would really carry the knowledge of Egyptian palaeography and the printing of hieroglyphic texts yet farther forward. But until such a fount be organized, they would be grateful for any hints or suggestions which their colleagues might be disposed to offer to them. It is our intention to make the present fount a progressive thing, responsive to new needs or to the fresh recognition of palaeographic facts hitherto overlooked or ignored. Readers are requested to direct criticisms or materials for new signs to the undersigned at 9 Lansdowne Road, London, W. 11.

ALAN H. GARDINER.

THE EGYPTIAN ALPHABET IN 18-POINT

3	(G I, a)	ķ	(V 28, a)
i	$\left(M_{17,a} \right)$	ķ	⊜ (Aa1, b)
y	$\left(\bigcup_{i=1}^{n} (M_{i7}, a) \text{ or } \bigcup_{i=1}^{n} (Z_{4}, a) \right)$	<u>h</u>	⇔ (F 32, <i>a</i>)
r	← (D 36, a)	s	(s) (S 29, a) or $-\infty$ (z) (O 34, a)
τυ	(G 43, a) or (C (Z 7, a)	š	(N 37, <i>a</i>)
Ь	(D 58, a)	ķ	∠ (N 29, <i>a</i>)
P	$\Box (Q_3, a)$	k	◯ (V 31, <i>a</i>)
f	الا (I 9, <i>a</i>)	g	(W 11, a) or \mathcal{O} (V 33, a)
m	(G 17, a) or (Aa 15, a)	t	
n	(N 35, <i>a</i>)	ţ	⇔ (V 13, a) or ⇒ (V 14, a)
r	\bigcirc (D 21, a)	d	(D 46, <i>a</i>)
h	(O ₄ , <i>a</i>)	₫	°) (I 10, а)

SAMPLES OF HIEROGLYPHIC PRINTING

18-POINT

"CIISARAABSIEN CARESIE CAESSIE CAESSIE COM

12-POINT



THE CATALOGUE



SECTION A

MAN AND HIS OCCUPATIONS

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NO.	а	b	С	d	е	NOTES	NO.	а	b	С	d	e	NOTES
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3	R		图			Det. hmś	24	KA .		12		1	
4	E		A				25	4A	- 1	'A			ķīvi .
5	-		No.				26	Â		A			
6	A		A				27†	Å	Å	A	斉		in
7†	A		Å				28	H		Ä			
8	E		E.				29	A		R			
9	A	S.	2	2			30	Å		Å			
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15	GHE		9779				35	B		På			
16	別		为			kśi	36†	8A		A		1.14	
17	jan .		ħ		-		37	A		W)			
18	Å		J.				38	EAS .		225		-	
19	3		1A			wr, 'old'	39	蒲清		湖谷			
20	1A		13		Da	śmśw	40	A	A	A	A	2ª	
21	13		MA		12	śr	41	R		R			
										1.14			

SECTION A (continued)

MAN AND HIS OCCUPATIONS

NO.	а	Ь	с	d	е	NOTES	NO.	а	Ь	с	d	e	NOTES
42	AR		M				50	A		r.			
43	A		Ž				51	A		1			
44	N		NS.				52	A		A			
45	Å		Lane				53	1		Ĩ			
46	A		N				54						
47	R		M			KI K B	55	FT .		al a			
18	R		19		.9		56	E		凶			Det. bik, O.K.
70	1		M		번	<i>iry</i>	57			- THE			htp-di-nsw, Urk. iv. 46, 6
49	Ы		ß			'Syrian'	58			M			šid, Urk. iv. 57, 3
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							-						
										-			
			_									42	
			-										
2			-										

SECTION B

WOMAN AND HER OCCUPATIONS

NO.	а	Ь	С	d	е	NOTES	NO.	а	Ь	С	d	е	NOTES
I	M		2		권		4	A		4			
2	M		A				5			£			
3	D.		Q				6		-	18			

SECTION C

ANTHROPOMORPHIC DEITIES

NO.	а	Ь	С	d	е		NOTES		NO.	а	b	С	d	е	NOTES
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3†	A		Ð						9	Š		Ň			
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5	M		T						10*	E.		M			Dyn. XIX
6†	1 A		1						II	Y		W.			
h l						Cherry .		1123							6.2

SECTION D

PARTS OF THE HUMAN BODY

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PAGE TWENTY

SECTION D (continued)

PARTS OF THE HUMAN BODY

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		-		Ĵ		Ĵ	60	mt			ß		B	52
				111		111	61					4	[]	53
e form 1	Less accurate : of 111, D61			11		PPP	62			A	Л		Л	54†
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SECTION E

MAMMALS

NO.	а	Ь	С	d	е	NOTES	NO.	а	Ь	С	d	е	NOTES
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PAGE TWENTY-TWO

SECTION F

PARTS OF MAMMALS

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13*	Y	V	\checkmark			Less usual form of V F 13	37	++++5		++++>			
14	V		Ý				38	1999		1117			
15	S	-	S.				38*						Unusual Dyn. XVIII form of ## F37 or \$\$
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19	and the						42	ß		ß			śpr
20	5	5	5	5			43	Â		8			
21	D	Ì	0				44	Ø		Ø	1		
22	2		12				45	ep		P	-		
23	2		~				46						Best form for phr, dbn, wdb

PAGE TWENTY-THREE

SECTION F (continued)

PARTS OF MAMMALS

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SECTION G

BIRDS

NO.	а	b	С	d	е	NOTES	NO.	а	b	с	d	е	NOTES
I	A	A	A	A	A	3	21	A.	2	2	A	A	nķ
2	A		A.				22	A.	•	a fu			dbt (dbt)
3†	A.		AL C				23	-		A			rhyt
4	A	A	A	L.	A	tyw	24	12		2			rhyt
5†	A	A	A	A			25	S.		r an			
6†	A.		ST -				26	A		A			
6*	A	1	A	1.53			27	ng and a second		P			dšr
7	A		A				28	B		P			gm
8	E A		B				29	S.		-	S		b;
0	Ref.		R	Г.),234 (30						
9	ALL MARK		64_				31	A		The second			
10							22	they		all and a second			
II	2		A				34	A		T			
12	12		22				33	T		A			śdł
13	R.		R				34	SP		25			
14	and a	A	2 and a	S.	a		35	ally a		all a			¢ķ
TE	95		24				36	A		A			wr, ordinary form
- 5	20		2 9 Æ4				36*	A		A			Lower form of last
16	ALS		DE				37	A		A			'small', 'bad', or- dinary form
17	R	A	A	A	A		37*	A.		h			Lower form of last
18	M		A				38	2JA	ella.	elle .	e la	*Å*	Gb, 'goose'
19	A		R				39	2h	A	A.	e la construcción de la construc		si (zi)
20	A		A				40	25	X	25	2%	*	

PAGE TWENTY-FIVE

SECTION G (continued)

NO.	а	Ь	С	d	е	NOTES	NO.	а	Ь	С	d	e	NOTES
41	K		K				48	222		<u>NES</u>			
42	R.		Sa .			<u>df</u> ;, wš;	49	222		222			
43	A	A	A	A	A		50						rbty
43 [*]	A		A				51			H			
44	E.		A				52†	P		P			śnm
45	F		¥			E .	53	a A		and			
46	A		PH2				54	B	E.	Q.	4		b is best size for 18 pt., d for 12 pt.
47	25		23		25								- Paule
										-			
							_			_			
								F					
					-								
		•		1-		· · · · · · · · · · · ·							and the second
				-		PAGE TW	ENTY	SIX					

SECTION H

PARTS OF BIRDS

NO.	а	Ь	с	d	e	NOTES	NO.	а	Ь	с	d	е	NOTES
I	-2		2	-2			5						
2	7		7			mst, wšm, pkt	6	ß		ß		ß	
3	Ŋ		Ą			О.К. <i>р</i> іķ	7	L		7			
4	S		R		7 -	nr	8	0		0		0	
					é	المراجع المرا							
			, 7										

SECTION I

AMPHIBIOUS ANIMALS, REPTILES, ETC.

NO.	a	b	С	d	е	NOTES		NO.	a	b	С	d	е	NOTES
I	3 al		55			ny sta		9	×		S.	ş	ł	
2	¢		ф.					10	2	2	2	2	٦	
3	Sol .		S.					II	22		2			
4			A					11*	2		2			
5	E.		S.	-				12	R		R			
6	1		Δ					13	ß		B			
7	62		2					14	m		m			Normal form
8	Q		A					15	M		m			Less usual form of last
						PACE	TWFN	TY-SE	VEN					D 2

SECTION K

FISHES AND PARTS OF FISHES

NO.	a	b	с	d	е	NOTES	NO.	а	Ь	С	d	е	NOTES
I						in	5	(F		ų,			bs, 'fish'
2	and the second s		4			bwt	6	\Diamond		Ð			nšmt; also used side- ways ☆
3	Contract of the second		E.M.			٢d (٢ <u>d</u>)	7	Go		Q			špt
4	the second secon		Ø			<u>h</u> ;							
												-	

SECTION L

INVERTEBRATA AND LESSER ANIMALS

NO.	а	b	С	d	е	NOTES	NO.	а	b	С	d	е	NOTES
I	谷		斜	谷	斜		4			1.Ac			
2	K		K		SK.		5	Antonio		Yesting			
2*	1k		14K				6	Ø		Ø			The same but to
	A		e				6**	D		D			versed
3	3		8				7	Ŷ		Ŷ			Śrķt
			.,					1	•				
											-		
												•	
32										_			
N. C.										_		1921	
						DACE TWE	NTV-I	UCHT					

SECTION M

TREES AND PLANTS

NO.	а	b	С	d	е	NOTES	NO.	а	b	С	d	е	NOTES
I	$\langle \rangle$		Q		Q	5.1406	21	202		QQQ			śm, (śht)
1*	A		A				22	7		7		1	
2	M.		Ø		A.		23	¥		ţ		7	
3	5		X			Also vertically	24	f		Ţ			rś, correct form
4	4		ſ				25	*		Ĩ.			
5	4		Ţ				26	*					šm ^r , correct form
6	ſ		Ţ				27						šmt
7	[ł				28	*		2 4 4			
8	THIN		THIN			š;, (i);h	20	8		0			ndm
9			A			śšn	-9	8		R			num
10	Q		Z			nhbt	30	ц		ų			onr
10*	R		Ŗ	-		Alternative form of last	31	0	*	Ö			Det.rd, Dyn. XVIII
11	<u>N</u>		Þ			wdn	32	Q		Q			M.K. form of 🗍 M 31
12	R N		с-х Х		q		33	000		000			
13	Z		T				33*	000		000			
14	K		ħ				34	*		ŧ			bdt
15	Å		A				35	Δ		۵			'heap'
16	Ŷ		Ŷ		Ŷ		36	F		Ð	8	8	dr, dm3
17	4	٩	Q	9	4		37						O.K. form of M 36
18	A		A				38						O.K. det. mht 'flax'
19	A		图				39	<u> </u>					Det. fruit
20	999		<u></u>			śht, (śm)	40	ş.		ł	ł		is (iz)

PAGE TWENTY-NINE

SECTION M (continued)

TREES AND PLANTS

NO.	a	Ь	С	d	е	NOTES	NO.	а	Ь	с	d	e	NOTES
40 [*]	4		4		4	Less common Dyn. XVIII form of ¶M40	43	Leegh		1000AF			
41	Ø		0			Det. ' wood '	44	Δ		Δ	-		' thorn ', <i>spd</i>
42	÷		÷										
	15										-		
					£	d . ; se a a							
						•		-					
											,		
					-			-					
										28			
										ь <u>я</u>			
								-					
						1 + 1 + 1	-						
					_					•	-		
										- -			
					•		IIDTH						

SECTION N

SKY, EARTH, WATER

NO.	а	b	С	d	е	NOTES	NO.	а	b	С	d	е	NOTES
I							23	Σ		77		ш	
2	1		7			'night', 'dark', Dyn. XVIII	24			Ŧ			ar (
2	T		T			O.K. form of TN2	25	\sim		\sim			Better form of this sign
3			0			D	25*	\sim		223			Lower form of last, used in building
4							26	\square		M			
5			0		•		27	0		<u>D</u>			
	0		ĩa.			1	28	0	r sing	0	0	0	
7	M		8				29	Δ	Д	Д	Д	۵	
8	Я		Я				30						
9	θ		θ				31	T T		P-P			
10	0		0			Later (?) form of last	32	\mathcal{O}		Û			O.K., ' clay ', ' dirt '
II	~		~			'month', 'moon'. Also vertically ((,))	33	()		0			
12	~		~			' moon '. Also ver- tically), (33*	(=D12°)					Also vertically
13	R		R				34	D		л			
14	*	100 C	*		*		35			Ŭ			
15	\bigotimes		\otimes				36	<u>э с</u>		<u> </u>			
16					-		37			_			š, 'lake', 'sea'
17	_		_				28					a and	Alternative form of
18			_				30						Dyn. XVIII O.K. form of
19			00		8	3bty	39						N 37 and N 38
20						w <u>d</u> b	40	7		T			
21	Π		0		Ø		41	U		U			hm, 'well'. Com- monest form in Dyn. XVIII
22			D			0.K. form of == N 20, and = N 21	42	U		D			Alternative form of v N 41. Also biz
		1				PAGE THI	RTY-0	NE					

SECTION O

BUILDINGS, PARTS OF BUILDINGS, ETC.

NO.	а	b	С	d	е	NOTES	NO.	а	b	С	d	e	NOTES
I				-			21	Ī		F			
2			-				22	m		m			
3	555		553				23						
4					n		24	\square		Δ			
5	Г		ப	ហ			25			Î			
5*	П		П				26	\bigcap		Ω			
6					Ø					6.6			
7							27	ЩП					
8			al-				28	H		8			
					r i	-	29	~		Ş			Also vertically
9			đ			.	30	Y		Y			To be used also re- versed, thus :)
10	A		A				30*	YYYY		m			
II							31						Also vertically]] and
12			æ				32			1			7
13	mm		and and a second			sbht	33			Ī		19,2 19,2	
14						śbħt	34					+	
15			T				35	T		A			
16	mun		200				36	[]		[]			Alsohorizontally
17			23			O.K. form of mm O 16	37	5		17			
18			Ê		-		38	ſ		r			
10	+		h				39			-			
19	I		P				40	2		2			
20	Ш	1		1		Lucia form of H	41	<u>~</u>		~	47		1205
20*						O 20	42	<u>Alli</u>		2111			
				Ser!		PAGE THU	RTY-T	wo	1.20	1.1.1	1.1.1	138.24	

SECTION O (continued)

BUILDINGS, PARTS OF BUILDINGS, ETC.

NO.	а	b	С	d	е	NOTES	NO.	а	b	С	d	e	NOTES
43			titt			O.K. form of <u>2</u>	48	())		0		-	Nhn
44	K		K				49			0		0	C. B. L.
45	a		a				50	0		0			sp (zp)
46			ß			O.K.form of @O45, also found Dyn. XVIII	51			L.			
47	5		0										
			- j- i										
						동생이네	1						
				R	-				•	X			
								2					-
					-								
				-									
							7						

SECTION P

SHIPS AND PARTS OF SHIPS

NO.	а	Ь	С	d	е	NOTES	NO.	а	Ь	С	d	е	NOTES
I	- Ch		- Ch			Also used inverted	6	ŧ		ļ		ŧ	
2			Ð				7	-		-			
3							8	J		Į		Į	Also horizontally \sim
3*	Ser al		생				9	J.		÷			
4	Q		D			wh ^c	10	N		R			
5	1		1 <u>,</u> ,,,		Ŧ		II	\langle		8			mni
					-								

SECTION Q

DOMESTIC AND FUNERARY FURNITURE

NO.	а	b	С	d	е	NOTES	NO.	а	b	с	d	e	NOTES
I					L		5			_			
2	4		4				6			Ø			
3							7			A.			
4	X		X										
												T.	
1		_ 1				PAGE THI	RTV-F	OUR					

SECTION R

TEMPLE FURNITURE AND SACRED EMBLEMS

NO.	а	b	С	d	е	NOTES	NO.	а	b	С	d	е	NOTES
I	<u>Ođo</u> I		<u>080</u> 1			hit	13	4		4			O.K. form of 🖁 R 14
2	<u>11111</u>		<u>11111</u>			hət	14	T		cole			
3	<u>A</u>		<u>ela</u>			wdhw	15	<u></u>		<u>_</u>			
4	A		A				16	*		Ŧ			wh
5	Q		2			k(1)p	17	Ęĸ		₿ĸ.			
6			Ø			O.K.form of ~R5	18						
7	Ð		9		6		19	1		1			
8	7		٦		٩		20	R		æ			
9	J.		J.				21	*		*			O.K.form of PR20
10	L		L				22	0°D		GB			
10*	T		Ţ				23			401>			O.K. form of R 22
11†	Ē		Ē				24	X		X			Nt (Neith). Also
12	et.		٩				25	Ă		員			O.K. form of ⊨≺ R 24
								- 193					
		17-7.0 749 m											
								-					
												- 6-	
						PAGE THI	RTY-F	IVE	- 10				E 2

SECTION S

NO. a

CROWNS, DRESS, STAVES, ETC.

b c b c d e NOTES NO. a d e NOTES 11

I	4		4				25	\Box		\square			
2	4		4			_	26						
3	e la		Y	ľ	¥		27			Ш			
4	X		X				28	T		T			
5	Y		Ą				29	Ŋ		η	þ	p	
6	A		A				30	×		4			
7	Q		9				31	B		₽			
8			L.				32	3		-			ślį
9	M		m				33	R		Ŗ			
10	Of		q				34	f		f		f	
II	C		J				35	P	_	A			
12	mm		M				25*	ج		G			Inferior alternative
13	and the second second		\$				33	4		1			or T 5 35
14	المطلعي		r Shi				36			T			
15	ŤŤŤ		ŤŤ			thn	37	Ĭ		ł			
16	A		A			O.K. form of	38	î		î			ḥķs (twt)
17	f i		- fil			Another O.K. form	39	J		1			(wt (correct O.K. form)
18	£		6			())	40	1		1			wiś (dim)
10	6		ee A			mnit	41	2		1			<u>d</u> ^c m
20	Q		Q				12	Ð		Ð	•		the show here
21	0		0			<mark>-</mark> Salata	-T-	1					or, com, orp
22	75		H			ś <u>i</u> t	43	ų La		ų		1	mdw
23	NA.		M			dm₫	44	h		þ		2	
24			X				45	\wedge	_	\wedge			
151		14				PAGE TH	IRTY-	SIX					

SECTION T

WARFARE, HUNTING, BUTCHERY

NO.	а	b	с	d	е	NOTES	NO.	а	Ь	С	d	е	NOTES
I			4			mn(w)	19	T		Пer			
2	2		9				20	Ţ					O.K. form of 🖏 T 19
3	Î		Ŷ			<u>h</u> d	21	L-		-			
4	\$		Å			<u>hd</u> , alternative form	22	ł				The second se	śn
5	2		ĥ				23	ł		ł			Alternative Dyn. XVIII form of
6	A		南				24	a and		The second			T 22
7	6		6				T	No.		*			
8	ĵ	ĵ	ĵ	Į.			25	EA _F		A			
9	<u> </u>		_			₽₫	20			đ	_		O.K. form of
10			ß			Also vertically	41			-			T 26
II	↔↔		← *				28			23		<u>23</u>	
12	81		S1	81	81		29	<u>}</u>		A			
13	P		P				30	S		J			'knife'
14			١				31	S		S			śšm
15	>		>			O.K. form of T14	32	A		F			
16	5		5				33	y		-8			O.K. form of S T 31
17	2		2	1			34	Ţ	Į	Į	ł	ğ	nm
18	TAN		THE		(7CF		35	1		1			O.K. and alterna- tive form of ↓ T 34
						DAGE HUND							

SECTION U

AGRICULTURE, CRAFTS, AND PROFESSIONS

NO.	а	b	С	d	е	NOTES	NO.	а	Ь	С	d	е	NOTES
I	3		3			Ordinary form	22	Ģ		4		Ŷ	
2	3		3			Alternative form of UI used in building up	23	T		Ī			mr, ib
3	S		-A			Saname ap	24	4		Í			<i>ḥm</i>
4	3		3			Ordinary form	25	4		Í			O.K. form of $\stackrel{4}{\downarrow}$ U 24
5	D		2	20		Alternative form of U4 used in	26	Ţ		7			wb;
6	A		A			building up	27	ļ		1			O.K. form of $\frac{1}{4}$ U 26
7	A		A			Alternative form of U6 used in	28	L			L	L	d1
8	7		V			hn	29	1		A			Alternative, also O.K. form of U 28
9			/□				30	Ð		Ð		D	
10	,		, ²³³			Less frequent form of COD U 9	31	⊱		⊱			Also vertically
11			1				32	J		J		J	
12			,6				33	2	1	1	2	1	
13	X		X				34	Ť		Ŷ			þśf
14	X	,	X			O.K. form for šn ^e	35	×		\$			
15	YEE		¥				36	8		8	-	9	1405 A
16	y.		ta.				37	Ţ.		E			
17	Z		Z			grg	57	-					
18			M			O.K. form of 	38			A A			
19	5		2			1120	39	Å		1			
20	1		1	-		O.K. form of last	40	Ţ		Ţ			
21	2		2			śtp	41	Ĵ:		ð			th
				2.									
						PAGE THIR	TY-EI	GHT					

SECTION V

ROPE, FIBRE, BASKETS, BAGS, ETC.

NO.	а	в	С	d	е	NOTES	NO.	а	b	С	d	е	NOTES
I	9		۴			'cord', '100'. Differs from @ Aa 7 for w	21	h		ħ			
2	- 🤤		<u> </u>				22	2 mil		μ.			mħ
3	999		९९९				23†	Ţ		q			O.K. form of ^w
4	A		R	કી	£		24	¢		þ			wd, O.K. and M.K. form
5	8		8				25	Ý		Ŷ			w <u>d</u> , Dyn. XVIII form
6	y		δ				26	8		\$			¢d. Also used ver- tically ≬
7	8		8			šn	27	~		-			O.K. form of \Longrightarrow V 26. Also verti-
8	X		Ż			Alternative form of (V 7)	28	8	8	8	1	ł	
9	Q		Q					8		~	~	^	
10	\square		a			이 같은 것 같은	29	8		X		Ĩ	
II	K		ĸ			dni, ph3	30	\bigtriangledown		D			
11*					e e'	Used for building up cartouches	30*			D			Lower form of V 30 used in building up
12	0		05				31	5		ß		ß	
13							31*			P			Reversed form of V 31, rare in hieroglyphic
14							32	A A A		alter a			mśn, głw
15	7		7		. 15		33	J		ð			śšr, g, ' tie '
16						si (zi)	34	ð		ð			Less useful form of
17	8		R		R	si (zi)	35	A		A			O.K. form of & V 33
18	8		8			O. K. form of 8 V17	36	ř		ť			<i>ḥn</i>
19	Ĥ		ft			mdt, 'sack'	37	J		Ŭ.		Ŭ	idr
20	Ω		n			' 10'. Also sideways C	38	0		0			O.K. det. of wt 'bandage'
-													

SECTION W

VESSELS OF STONE AND EARTHENWARE

NO.	a	b	С	d	е	NOTES	NO.	а	b	С	d	е	NOTES
I	Ť		Ħ			'oil', 'unguent'	14	Ī		Ī	•	Ĩ	
2	Ť		Ť			biś. Also horizon- tally ∰	14*†	<u>×</u>		<u>×</u>			
3							15	Ĩ		1			
3*			Ø			Lower form of W 3, for use in building up	16	The second se		1			
4							17			ŃŴ			Ordinary Dyn. XVIII form
5							18						O.K. form of
6	\bigcirc		Ø			O.K. sign for wht	19	Ş		Ş		Ş	M.K.
7	$\overline{\nabla}$		Ø			<i>mīt</i> , 'granite' M.K. substitute for	20	₽		ţ			'milk'
8			8			\bigcirc W 7. Also used as M.K. form of $\bowtie V$ 32	21	⇔		⇔			'wine'
9	8		8		5	<u>h</u> nm	22	Ð		Ð			
10			Ø				23	ō		Ū			
11			ā		ū	g, nśt, dšrt	24†	Ō	0	0	0	0	
12						O.K. form of W 11, g, nśt	24*	000		000			
13	D		J			O.K. form of 🖾 W 11, dšrt	25†	Å	Å	Å	Å	Å	
					2	· · · · · · · · ·							
						PACEE	ORTY						

SECTION X

LOAVES AND CAKES

NO.	а	b	С	d	е	NOTES	NO.	а	Ь	С	d	е	NOTES
I	D	D	Q	q			5	Ĵ		Ĵ			
2	θ		θ			'bread'	6	G		G			pit
3	٥		0			Alternative, less use- ful form of $\theta \ge 3$	6*	Q					More detailed form of @ X 6
4			-				7	Δ		Δ			O.K. sign for half- loaf
4*	0		0			Exceptional form of	8	\mathbb{A}		4		۵	

SECTION Y

WRITINGS, GAMES, MUSIC

NO.	а	b	С	d	е	NOTES	NO.	a	b	с	d	е	NOTES
I			~		2	Also vertically	5					-	
2	<u> </u>		-		4	O.K. form of Y I. Also verti- cally	6	۵		۵			
3						Usual form at all periods	7	Ø		Ø			
4						Less usual form of	8	¥.		¥			
(r. 1						PAGE FOR	TY-ON	IE					F

SECTION Z

STROKES, SIGNS DERIVED FROM HIERATIC, GEOMETRICAL FIGURES

NO.	а	b	С	d	е	NOTES	NO.	а	b	С	d	е	NOTES
I	I	1	- 1			1	6	7		7			Det. 'death', 'ene- my'
2	111		1.1.1		111	Also vertically =	7	6		୧		6	w, differs from °V 1 for 'cord', '100'
2*	111		- 111				8 .	0		0			Det. ' circuit '
3							9	×		×		×	
4	"		"				10	\times		×			O.K. form of × Z 9
5*							II			+	+		
1													
	Per l												
										1			
	44.5					i teat							
					, all								
										Janti			
	franke Franke												
													1
						PAGE FOI	RTY-T	WO					1

SECTION Aa

Tes

UNCLASSIFIED

NO.	а	Ь	С	d	e	NOTES	NO.	a	b	С	d	е	NOTES
I	0	0	0	•	0	b should be normal form in 18 pt., d normal in 12 pt.	18	ľ		ŕ		6	Śį
2	0		0				19	ſ		ſ		Ω	<i>ħr</i>
3	0		0				20	Ă		Ă			¢pr
4	\bigtriangledown					O.K. b;	21	Ţ		1			
5	\land		\land		~	hp				☆ -	in A		
6	M		M			1m3, different from	22	A	and a star	¥.			
7	_		2				23	₩₩		₩₩			m₫d
7*	2					Reversed form of <i>A</i> a 7	24	0-0		0-0			O.K. form of ₩ Aa 23
8			H			a linear and	25	4		+			
9	н		Ę			Det. hwd	26	Ч		Ч			Det #4
10			-			Det. drf	20						Det. soi
II			-			Also vertically and	27	- ()=	1	eğa		Ť	n₫
12	_					O.K. form of Aa11	28	-		1			ķd
13			~			im, gś	29			1			O.K. form of
14	~		~			O.K. form of <i>Æ</i> Aa 13		٨		^			hkr. Also horizon-
15			_			Later form of Aa 13, to be used for Dyn. XVIII-	30	8 8		Q			tally 🗪
16	_		4			XX m	31	0		0			Aa 30
17	4		4			O.K. and M.K. form of 🛱 Aa 18	32	ſ		ſ			Also horizontally

PAGE FORTY-THREE

F 2

Bb. ERASURE SIGNS

N.B. These are employed to mark lacunae in the originals. They should always slope from top right to bottom left, thus :---

For 18 pt. fount	·/////.		11/1/	·/////.	<i></i>
For 12 pt. fount		1	1	<i></i>	

Cc. A SELECTION OF SIGNS GROUPED ACCORDING TO SHAPE

TALL NARROW SIGNS

Υ ¥ Î * 2= Ĩ 7 .0. 1 0 M40 Aa 28 Aa 29 P11 T34 T35 U28 U29 U32 U33 S43 U36 T8 M13 S37 R14 R16 R19 S40 S41 F12 Y L T Y L Y L Y T T ¢ S29 S38 S39 T14 T15 T13 Aa26 U39 F45 O44 F10 F11 M12 Aa27 R8 R9 T3 T4 V24 V25 \$ ¥ Q t I I I I I I I Q A U23 S42 F28 U34 U26 U27 U25 Y8 F35 F36 P8 T22 T23 S44 Aa25 Aa21 Aa30 M1 M1* Aa31 X 8 S P R Aa 20 V 36 V 17 V 18 V 28 V 29 S 34 W 25 M 18 M 17

LOW BROAD SIGNS

N 18 X 4 X 5 Z 8 O 47 V 26 V 27 R 24 Aa9 S 24 R 22 R 23 V 32 W 8 Aa7 S 32 Aa 11 Aa 12 N 20 F 33 Aa 10 R 5 F 30 V 22 V 23† F 42 N 11 N 12

LOW NARROW SIGNS

Dd. SYMBOLS USED IN TRANSCRIBING HIEROGLYPHIC WORDS

3 c d h h h i k s ś š t t

3 C d h h h t k s s s t t

PAGE FORTY-FOUR

Ee. SUPERSEDED SORTS

N.B. These are signs previously used in the fount but subsequently replaced by others more satisfactory in drawing, thickness of line, or size. The sorts enumerated below should be carefully eliminated from the fount in favour of their substitutes, which in the above Catalogue are signalized as such by an *obelus* †

NO.	а	b	С	d	е	NOTES	NO.	а	в	С	d	е	NOTES
A7	Â		Â				D 54	Δ		Д		Δ	
A 27	Å	1	Å	Å	丧		D 55	2		۵.			
A 36	A		A				E 2	\$F		577		SA	
C	2		3				G 3	The second		1			
			M				G 5	A		à		A	
C ₃	51 Fil		21 ZI				G6	X		No.			
C6	21		21				G 52	P		P			
C7	24		2				RII	Ť		Ŧ			
D ₄	Ø		Ø				V 23	J		9			
D ₅	6		20x				W*	8 7		8 0			
D6	8		10				W14			<u>^_4</u>			
D ₇			4) 4				W 24	0		Ø	Ø	Ø	
D 30							W 25	Δ	A	Ă	ľ	Ä	
												-	
									-				

PAGE FORTY-FIVE



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Printer to the University

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