

LIST OF HIEROGLYPHIC SIGNS

IN the following pages an attempt is made to enumerate the commonest hieroglyphs found in Middle Egyptian, to determine the objects depicted by them, and to illustrate their uses. It would be easy enough to augment our list very considerably, though there might be difficulty in finding good forms of the rarer signs which would then have to be included. But such an augmentation might well do more harm than good, by unduly dispersing the student's interest, instead of concentrating it upon the signs most frequently met with. It must never be forgotten that in the eyes of the old Egyptians the hieroglyphic writing always remained a system of pictorial representation as well as a script. Hence the capricious variety exhibited in the more elaborate inscriptions. To take but one example, the sign for 'statue'  (A 22) is apt to change sex, head-gear, dress and accoutrements according as the context or the scribe's fancy may dictate. This is the principal reason why the printing of hieroglyphic texts is so unsatisfactory. No fount of type is sufficiently rich or sufficiently adaptable to do justice to the Egyptian originals. Indeed, there is only one wholly satisfactory method of publishing hieroglyphic texts, namely reproduction in facsimile. Two possibilities here present themselves, facsimile by hand and facsimile by photography. The objection to facsimile by hand is, of course, the very laborious nature of the process. Facsimile by photography has the disadvantage that it will serve only for perfectly preserved texts. As a second-best alternative, the employment of autography is to be recommended, as in Sethe's *Urkunden der 18. Dynastie* and in the Brussels *Bibliotheca Aegyptiaca*. The printing of hieroglyphic texts in type is really suitable only for grammatical or lexicographical works, especially where the hieroglyphs are to be combined with European characters. The discussion of this question is not without a practical purpose; it aims at impressing upon the student *the great desirability of a good hieroglyphic handwriting*. Far too lax standards in this respect have been tolerated in the past, and one of our principal aims in creating the new fount of type here employed for the first time was to give a fresh impetus to this side of the hieroglyphic scholar's training. The forms shown in the new fount are those normally used in the tombs of the Eighteenth Dynasty, though in some cases earlier forms had to be added in order to elucidate pictorial meanings which by that time had become either modified or forgotten. The beginner may safely use our types as his models, but he must realize that copying from the actual monuments gives a knowledge of hieroglyphic writing unobtainable in any other way.

The commonest hieroglyphs received their traditional, relatively stereotyped, forms in the very earliest Dynasties. Misinterpretations and confusions may, therefore, be expected at least as far back as the time of the Pyramid-builders. Some of the objects depicted may have been obsolete at a still more remote date, exx. the three-toothed harpoon of bone  (T 20) and the form of mast represented by  (P 6). In other cases it is the method of depiction, not the object itself, which had become obsolete by the time that inscriptions began to be plentiful.

Who would have guessed that  (D 61) represents human toes? This interpretation is, however, supported by the form of that sign in the tomb of Metjen (Dyn. III), where the toe-nails are clearly marked, and is clinched by the fact that the word  'ssh means 'toe'. The investigation of the pictorial meaning of the hieroglyphs is for this reason a very difficult task. But it is a task the interest of which is not confined to archaeology alone, since important lexicographical conclusions depend on the right understanding of the signs. We have a clue to the central meaning of the obscure verb  mdd now that the sign  (Aa 24) is known to depict the warp being stretched between two uprights. From  (A 34) we learn at least something of the quality of the action expressed by the stem  bwsⁱ, 'pound', 'build', 'achieve'. The sign  (E 32) which determines  knd 'to be angry' gives to that verb a colouring definitely distinct from the nearly synonymous  dnd. Without the sign  (M 44) we should not realize the idea of 'sharpness' which enters into the Egyptian conception of 'preparedness'  spd. It is interesting, too, to note that in contexts where an object in contemporary use is intended, the determinative employed to designate it is sometimes brought up to date, while in other employments the corresponding sign retains an archaic appearance, exx.  (T 7*) in  skhw 'axe' as against  (T 7) in  mdh 'hew';  (T 8*) in  bgsw 'dagger' as against  (T 8) in  tpy 'first';  (T 10) in  pdt as against  (T 9), earlier  in the verb pd 'stretch'. However, the full value of the study of the hieroglyphs will not emerge until that study is far more advanced than it is at present. We are still quite ignorant of the origin of many signs, such as  (Aa 7),  (Aa 20), and  (Aa 27).

The modern craving for scientific precision, so contrary to the habit of the Egyptians themselves, has often led in the past to falsification of the actual graphic facts. Thus it has been the habit of scholars to write *hrp* 'administrate' with  and *shm* 'powerful' with . This particular distinction rests, as it happens, on an erroneous assumption, namely that the signs in question were originally different. But in other cases where there really was a difference, as between  smr and  rsw, between the rope  s and the bag  s^r, it is astonishing how often even the best scribes are guilty of confusion. Some of these confusions led in course of time to the substitution of one sign for another. Thus  (Aa 2) has absorbed quite a number of different signs. Many such confusions arise through hieratic. For instance, hieratic  (Aa 8) stands not only for the hieroglyphic sign , as in  kn 'cease' and  dsdt 'council', but also for  in  rd 'district' and for  in  spst 'province'. Assimilations of the kind are apt to pass into hieroglyphic as well, where the reason for them is not obvious until their origin in hieratic is pointed out. Thus  (M. K. hieratic) constantly takes the place of (M. K. hieratic) in words from the stem *sne*, like *sne* 'magazine' for *sne*, a word in which itself is a substitution for an earlier sign . In copying the monuments we must resist the temptation to substitute more correct forms for those actually used. We are not entitled to impose upon the Egyptians our own scholarly preferences.

The first column of our sign-list, showing, as we have said, Eighteenth Dynasty forms, seeks to define the objects depicted in the earlier prototypes of these. Note that our heads of

classification are not, nor could they have been conveniently made, mutually exclusive. Thus we might have placed ꝩ O 44 under F 'Parts of Mammals' because of the horns which are one of its constituent parts, or else under R, the class containing other religious symbols. Classes S, T, U, and V have proved especially troublesome, and signs allotted to one of them might often have been assigned equally appropriately to another or even to more than one other class. Our second column, which deals with the uses of the signs in the writing of words, sometimes necessarily employs the terms 'phonetic', 'ideographic', 'determinative', and 'abbreviation' in ways which are open to criticism. The distinction between phonetic and ideographic uses of signs is not nearly so absolute as might be supposed, see § 42, Obs. It may even happen that a sign is phonetically used in the very name of the object from which it originated. Thus  *sdw* 'water-skin' is undoubtedly the word from which  and the determinative  are sufficient evidence that  is here the phonetic bilsiteral sign *sd*; the like is true of  in  *dbnw* 'floats'. Elsewhere, as in  when abbreviation for *htp* 'favour' (§ 42, Obs.), or in  *sdm* 'hear' or  *iw* 'come', the terms ideographic and phonetic seem almost equally suitable. Again, within the domain of 'phonetic signs', not all are on the same footing. Save for very rare variants like  for  *hrd* 'child' and  for  *sh̥r* 'plan' the sign  seems confined to derivatives of the stem *hr* (exx. *hrt* 'portion', *hrt-ntr* 'necropolis', *hryw* 'inhabitants'), whereas  is freely used for *wn* even in the words where etymological relationship is out of the question, exx.  *hwn* 'be young', *wnb* 'clothe'. Such facts as these go to show the impossibility of a hard and fast classification of the uses of signs. Ideographic uses shade off into phonetic, and there are degrees and varieties within the two main groups of sense-sign (ideogram) and sound-sign (phonogram). We have, on occasion, found it convenient to employ the terms 'semi-ideographic' and 'semi-phonetic', as well as the term 'phonetic determinative' explained in § 54. The objection to the term 'determinative', which is nevertheless too convenient to discard, was stated in § 23, Obs. We shall also make frequent use of the term 'abbreviation' (§ 55), though this is open to the objection that signs so described, ex.  *hk*, 'chief', often represent the original spelling, later amplified by the addition of phonetic and other elements, ex.                              | seated man | Ideo. in  s (<i>si</i>) ⁰ 'man'. Ideo. or det. 'I', 'me' in  i,  wi,  ink,  kwi. Det. man's relationships or occupations, exx.  ss 'son';  smr 'courtier';  hurw 'wretch';  irr 'doer'; also personal names, ex.  nhyw 'Ankhu'. In personal names,  is abbrev. for  rhw 'men', ¹ ex.  Rhw-cnh 'Rehuconkh'. |
			⁰ Very rarely written as <i>st</i> , exx. <i>Urk.</i> v. 179; <i>Mett.</i> 18. ¹ <i>Rec.</i> 9, 57, n. 2.
		seated man and woman with plural strokes	Det. people and their occupations, exx.  rmt 'people';  smw 'Asiatics';  mtrw 'witnesses'.
2		man with hand to mouth	Det. eat, ¹ exx.  wnm 'eat';  hkr 'hungry'; drink, ex.  sw(r)i 'drink'; speak, exx.  sadd 'relate';  gr 'be silent'; think, ex.  ksi 'devise'; feel, ex.  mri 'love'.
			¹ Old uses, <i>AZ.</i> 57, 73.
3		man sitting on heel ¹	Det. in  hmsi 'sit'. Replaced in hieratic by  A 17 or  A 17* or even by  B 4. ¹ Ex. <i>Rekh.</i> 4, 1.
4		man with arms raised (cf.  A 30)	Det. supplicate, ex.  dw ³ 'adore'; hide, exx.  sdg ³ 'be hidden';  imn ² 'hide'. ¹ <i>Urk.</i> iv. 385, 13. ² <i>Leyd.</i> V 4, 2.
5		man hiding behind wall (Dyn. XVIII)	Det. hide, ex.  imn 'hide'. ¹ <i>Urk.</i> iv. 84, 15. Very rare before Dyn. XIX.
6		man receiving purification (in M.E. usually replaced by  D 60)	Ideo. in  var. Pyr.  wrb ² 'pure', 'clean'. ¹ Ex. <i>D. el B.</i> 56. ² <i>Pyr.</i> 1171.
7		man sinking to ground from fatigue ¹	Det. weary, weak, exx.  wrd ² 'tire';  bd ³ 'faint';  gnn ⁴ 'be soft'. ¹ Ex. <i>D. el B.</i> 110. ² <i>Brit. Mus.</i> 101. ³ <i>BUDGE</i> , p. 372, 14. ⁴ Cf. <i>Urk.</i> iv. 943, 4.

- A 8** ¹ man performing the **hnw**-rite Det. in **hnw** 'jubilation'.
¹ Ex. *D. et B.* 89.
- 9** man steadyng basket Det. in abbrev. ¹ **sip** 'load'; abbrev. ² **fn̄t** 'carry'; abbrev. ³ **kst** 'work'.
¹ *Sin. B* 244; *Pas. B* 1, 70. ² *Sin. B* 246. ³ *Urk. iv.* 52, 17.
- 10** ¹ man holding oar Det. in ¹ **skdw** 'sail'.
¹ *Th. T.S.* i. 37.
- 11** ¹ man holding the **rbs**-sceptre [†] S 42 and crook [†] S 39 (O.K.) O.K. ideo. or det. in var. ² **hnms** 'friend'. Later replaced by A 21.
¹ *DAV. Ptah.* i. 4, no. 8. ² *Sagg. Mast.* i. 23.
- 12** soldier with bow and quiver Ideo. or det. in var. ¹ **mšr** 'army'. Det. in ² **mnfyt** 'soldiers'.
¹ *Lyons* 90. ² *Urk. iv.* 966, 6.
- 13** ¹ man with arms tied behind his back Det. enemy, exx. **sbi** 'rebel'; **hfty** 'enemy'.
¹ Ex. *Puy.* 30 (*skr-nhwt*).
- 14** man with blood streaming from his head Det. die, ex. **mwt** 'die'; enemy, ex. **hfty** 'enemy'.
¹ Ex. *D. et B.* 114.
- 14*** as A 14 but blood interpreted as an axe¹ Use as A 14.
¹ Model taken from temple of Ramesses III at Medinet Habu. Probably in use far earlier.
- 15** man falling Ideo. or det. in var. ¹ **fr** 'fall' and derivatives. Abbrev. ² for **frw** 'fallen (i.e. conquered) enemy'; also ³ for **shrt** 'overthrow' (infinitive).
¹ *Urk. iv.* 653, 15. ² *Urk. iv.* 658, 11. ³ *Urk. iv.* 140, 5.
- 16** ¹ man bowing down Det. in **ksi** 'bow down'.
¹ Ex. *D. et B.* 70.
- 17** child sitting (on lap) with hand to mouth Det. young, exx. **rnpi** 'be young'; **šri** 'child'; **nmh** 'orphan'. Abbrev. ¹ for **hrd** 'child'. Phon. **nni** in ² **Nni-nsw** 'Heracleopolis'.
¹ Especially in the title **hrd n ktp** 'child of the harim', written phonetically Thebes, tomb 241, *JEA.* 16, Pl. 17, o.2. ² From **nn(t)** 'child', see the reference qu. on W 24.
- 17*** child in sitting posture, arms hanging down Adapted from hieratic,¹ where it replaces A 3, ex. **hmst** 'sit',² or A 17, ex. **msw** 'children'.³
¹ *MÖLL. Pal.* i. no. 31. ² *P. Kah.* 6, 5. ³ *Hat-Nub* 18, 5.
- 18** child with crown of Lower Egypt [†] S 3 Det. child-king, exx. ¹ **inp** 'crown-prince', 'royal child'; ² **wdh** 'weaned princeling'.
¹ Ex. *Urk. iv.* 157, 7. Sim. **rnnt** 'nursling' (fem.), *ib.* 361, 15. ² *Urk. iv.* 157, 8.

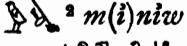
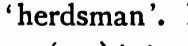
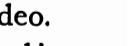
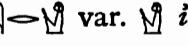
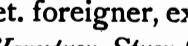
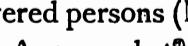
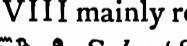
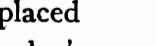
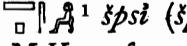
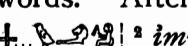
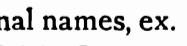
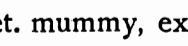
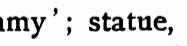
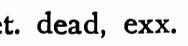
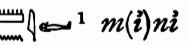
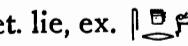
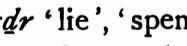
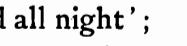
- A 19** bent man leaning on stick (clearly distinguishable from **A 21** in hieratic,¹ not always so in hieroglyphic)²
- Ideo. or det. old, in var. var. *smsw* (*smšw*) 'eldest'; great, in var. *wr* 'great one', 'chief'. Det. old, also in *tñi* 'old'; lean, exx. *rhn* 'lean'; *tw̄s* 'support oneself'. Phon. or phon. det. *ik* (from a rare *isk* 'be aged'³) in var. *iky* 'miner', 'hewer of stone'. In M.K. hieratic is written for *hwi*, *hi* 'strike'.⁴
- ¹ Möll. *Pal.* i. nos. 13–14; *AZ*. 49, 122. ² Especially as *wr* 'chief'. ³ *Wb.* i. 34. ⁴ *Hamm.* 108. ⁵ *Hamm.* 123, 3. ⁶ See below A 25.
- 20** ¹ man leaning on forked stick, less senile than **A 19**²
- Ideo. or det. in much rarer var. *smsw* (*smšw*) 'eldest', especially in *ssf smsw* 'his eldest son', cf. Pyr. ³ *zr.k smšw*, and in the title var. ⁴ *smsw hyt* 'elder of the portal'.
- ¹ O.K., Leyd. *Denk.* i. 6 in *smšw h(y)t*. ² A sign like A 19 is used for *smsw* in hieratic. ³ Pyr. 608. ⁴ *AZ*. 60, 64.
- 21** man holding stick in one hand and handkerchief in the other (always distinct from **A 19** in hieratic)¹
- Ideo. or det. in var. *sr* (*sr*) 'official', 'noble'. Det. magnate, exx. *sn̄yt* 'courtiers'; *smr* 'courtier', 'friend' (of the king). Also det. in ² *hn̄ms* 'friend', here replacing an older sign A 11; in ³ *hnti* 'statue' replacing A 22. In hieroglyphic is often hard to distinguish from A 19 (in the word *wr* 'chief') and from A 20.
- ¹ Möll. *Pal.* i. no. 11; *AZ*. 49, 122. ² Cairo 20245, 7; 20426, 6. ³ *Puy.* 20.
- 22** ¹ statue of man with stick and *rb*-sceptre
- ² S 42
- Det. in *hnt(y)* 'statue' and in *tw̄t* 'statue'. The form of the sign varies according to the nature of the statue to be depicted.²
- ¹ Ex. *Siu* i. 308 (*hnty*). ² Exx. king, *Urk.* iv. 279, 7 (*hnty*); 753, 3 (*tw̄t*).
- 23** ¹ king with stick and club
- ² T 3
- Det. in *ity* 'sovereign'.
- ¹ Thebes, tomb 55.
- 24** man striking with stick
- Det. in *hwi*, *hi* 'strike'. Hence det. force, effort, exx. abbrev. *nbt* 'strong'; *nhm* 'take away'; *hds* 'plunder'; *sbs* 'teach'. In Dyn. XVIII hieroglyphic is mostly replaced by D 40, which either as or as is common also in hieratic.
- ¹ Exx. *Urk.* iv. 82, 10; 89, 7.

A 25		man striking, with left arm hanging behind back ¹	Rare ideo. used in <i>hwi</i> , <i>hi</i> 'strike'. Serves in this book as a conventional transcription of the hieratic group employed in Dyn. XVII–XVIII papyri and also earlier in Dyn. XI; ² the explanation of the group is obscure. ³ In papyri of Dyn. XII 'strike' is written with a sign identical with
59		man threatening with stick	Det. 'drive away' in <i>shr</i> 'drive away'. ¹ ¹ <i>Urk.</i> iv. 618, 7.
26		man with one arm raised in invocation	Det. call, exx. <i>nis</i> 'call', 'summon'; ² <i>dwi</i> 'call'. Abbrev. in ³ <i>sdm-rs</i> 'servant', lit. 'one who hears the call'. Det. in the vocative interjection <i>i</i> 'O' (§ 258). ¹ Ex. <i>Rekh.</i> 12. ² <i>Urk.</i> iv. 874, 6. ³ <i>Th. T.S.</i> iii. 5; reading, <i>ib.</i> lowest register.
27		man hastening with one arm raised	Cf. Pyr. ² <i>inw</i> 'messengers'. Hence phon. <i>in</i> in 'by' (§ 168). ¹ Ex. <i>Rekh.</i> 12. ² Pyr. 1675, the body probably omitted for superstitious reasons.
28		man with both arms raised	Det. high, in varr. <i>ks(i)</i> 'be high'. Det. joy, exx. <i>hri</i> 'rejoice'; ¹ <i>sws</i> 'extol'; mourn, in ² <i>hs(i)</i> 'mourn'; also, for unknown reasons, in ³ <i>iss</i> 'bald'. ¹ D. <i>el B.</i> 82. ² JEA. 41, 10–1. ³ Eb. 66, 9; cf. too <i>ist</i> , <i>Wb.</i> i. 20, 15.
29		man upside-down	Det. in <i>shd</i> 'be upside down'. ¹ Ex. <i>Amuda</i> 17.
30		man with arms outstretched (cf.	Det. praise, exx. var. <i>isw</i> 'praise'; ² <i>dws</i> 'adore'; ¹ <i>sws</i> 'extol'; supplicate, ex. ² <i>tw<i>s</i></i> 'claim'; awe, in ³ <i>tr</i> 'show respect for'. ¹ <i>Urk.</i> iv. 141, 4. ² Pt. 319. ³ Sin. R 35.
31		man with his arms stretched out behind him	Det. turn away, ex. ² <i>rnw</i> 'averted' (face). ¹ Möll. <i>Pal.</i> ii. no. 5 (Dyn. XVIII.). ² R. <i>I.H.</i> 240, 39 (Dyn. XIX).
32		man dancing	Det. dance, ex. ² <i>bb<i>i</i></i> 'dance'; joy, ex. ³ <i>hy-hnw</i> 'jubilate'. ¹ Möll. <i>Pal.</i> ii. no. 6. ² <i>Urk.</i> iv. 386, 6. Sim. Dyn. XII, <i>Bersh.</i> ii. 21, 14. ³ <i>Urk.</i> iv. 141, 1.
33		man with stick and bundle or mat on shoulder	Ideo. in var. ² <i>m(i)niw</i> 'herdsman'. ³ Det. wander, exx. ⁴ <i>rwi</i> 'wander'; ⁵ <i>sm(i)w</i> 'wanderers', 'strangers'. ¹ Puy. 50. ² Berl. <i>AI.</i> ii. p. 166. ³ AZ. 42, 119. ⁴ Puy. 50; D. <i>el B.</i> 113. ⁵ <i>Urk.</i> iv. 390, 8.

Sign-list

EGYPTIAN GRAMMAR

- A 34** man pounding in a mortar¹ Det. in *hwst* 'pound', 'build'.
¹ See the picture *Rekh.* 12. In the accompanying text *hwst* is infinitive, hence the verb is *qae inf.*
- 35** man building a wall Ideo. or det. in var. ¹ *kd* 'build'.
¹ *Urk.* iv. 765, 12; cf. 767, 11.
- 36** ¹ man kneading and straining into a vessel² Ideo. or det. in var. ³ ⁴ *ctf* 'brewer'.
¹ From a walking-stick formerly in the possession of N. de G. Davies. See the picture Leyd. V 3= *Denkm.* ii. 2. ² *AZ.* 35, 128. ³ Cairo 20161, c 28. Sim. NORTHAMPT. 4. ⁴ Cairo 20095; see too *AZ.* 37, 84.
- 37** ¹ commoner form of last Use as last.
¹ Cairo 20018, n; Leyd. V 6; see *AZ.* 37, 82.
- 38** man holding necks of two emblematic animals with panther heads (Dyn. XII) Ideo. in varr. ² ³ *Kis*, var. Dyn. XVIII ⁴ *Ksy*, 'Cusae', the modern town of El-Kūsiyah in Upper Egypt.
¹ *Meir* ii. 17, no. 8=i. 2. ² *Meir* ii. 17, no. 4=ib. iii. 9.
³ LAC. *TR.* 20, 35; see *Meir* i. p. 1, n. 3. ⁴ *Urk.* iv. 386, 4.
- 39** ¹ alternative form of last Use as last.
¹ DAV. *Ken.* i. 44.
- 40** seated god. (Note the slightly curved beard and straight wig) Det. god (replacing earlier G 7),¹ exx. *Pth* 'Ptah'; *Mntw* '(the god) Mont'. Ideo. or det. 'I', 'me' in *i*, *wi*, *ink* when a god is speaking or, in Dyn. XII, the king.²
¹ M. E. hieratic retains G 7, see § 63 A, 4. ² References for *i* see § 34.
- 41** king. (Note uraeus on brow, straight beard, and coif) Det. king (common Dyn. XVIII), exx. *nsw* 'king'; *hm* 'Majesty'; *nb* 'the Lord' (p. 75). Ideo. or det. 'I', 'me' in *i*, *wi*, *ink* when the king is speaking.¹
¹ References for *i* see § 34.
- 42** ¹ the same, but with flagellum S 45 Use as last (common Dyn. XVIII).
¹ Already Dyn. XII, *Hier.* 8, no. 148 = *Bersh.* i. 15 (*tty*).
- 43** king wearing crown of Upper Egypt S 1 Ideo. or det. in var. *nsw* (*nzw*, *ni-swt*)¹ 'king of Upper Egypt', 'king'. Det. *Wsir* 'Osiris'.
¹ Reading, p. 50, n. 1.
- 44** ¹ the same, but with flagellum S 45 Use as last.
¹ As abbrev. *nsw*, *Urk.* iv. 332, 10.
- 45** king wearing crown of Lower Egypt S 3 Ideo. or det. in var. *bity* 'king of Lower Egypt'.
- 46** ¹ the same, but with flagellum S 45 Use as last.
¹ *Puy.* 20, 6.

- A 47**  shepherd seated and wrapped in mantle, holding a stick with appendage¹
- Ideo. in  var. Pyr.  ² *m(i)niw* ³ 'herdsman'. Ideo. or det. in  var.  *srw* (*zrw*) ⁴ 'guard', 'protect'. Sometimes inaccurately for  *A 48* in  *iry* 'relating to' (§ 79).
- ¹ Montet 99. ² Pyr. 1348. ³ Reading, AZ. 42, 116. ⁴ Reading with *z*, see Pyr. 1163, 1220. ⁵ Rekh. 10; Urk. iv. 120, 17.
- 48**  beardless man (or woman?) holding knife (?)¹
- Ideo. (?) or det. *iry* in  var.  *iry* 'relating to', 'belonging to' (§ 79).
¹ See DAV. Ptah. i. p. 15. Good detailed exx. of the sign are not forthcoming. It may depict the 'door-keeper' (*try rrēt*) of some mythical place.
- 49**  Syrian seated holding stick
- Det. foreigner, exx.  ¹ *smw* 'Asiatics';  ² *'Twntyw-Styw* 'Nubian bowmen'.³
- ¹ Urk. iv. 614, 1. ² D. el B. 160. ³ See p. 398, n. 1.
- 50**  man of rank seated on chair
- Det. revered persons (M.K.; in Dyn. XVIII mainly replaced by  *A 51* and  *A 52*), exx.  *Snbw* 'Sonbu', a personal name;  ¹ *smr(w)* 'courtiers'. Ideo. or det. 'I', 'me' on M.K. coffins in  *i*,  *wi*, *ink*. Rarely ideo. like  *A 51* in  ³ *šps* (*šps*) 'noble'.
- ¹ BH. i. 25, 119. ² References, § 34. ³ Meir ii. 11; Leyd. V 4, 12.
- 51**  the same with flagellum
Λ S 45
- Ideo. in  var.  ¹ *špsi* (*špsi*) 'be noble' and related words. After M.K., often det. revered persons, ex.  ² *imyw-hst* 'those of former times'.
¹ Sinut 1, 231. Sim. Pyr. 931. ² Urk. iv. 59, 3. Sim. ib. 59, 4 (*imiyw*); 76, 10 (*ipyw*); 86, 3 (*drtiyw*).
- 52**  noble squatting with flagellum Λ S 45 (common in Dyn. XVIII)
- Det. revered persons, especially personal names, ex.  *Pi-hry* 'Paheri', a man's name;  ² *sch* 'deceased noble'. Rarely also for  *A 51* in  ³ *šps* 'noble'.
¹ Urk. iv. 122, 5. ² Urk. iv. 123, 12. ³ Puy. 20.
- 53**  mummy upright
- Det. mummy, ex.  ¹ *wi* 'mummy'; statue, likeness, ex.  ² *twt* 'statue'; form, shape, exx.  ³ *ki* 'form';  ⁴ *bprw* 'forms', 'stages of growth'.
¹ Louvre C 15, 8; Sin. B 193. ² Urk. iv. 842, 13.
- 54**  recumbent mummy
- Det. dead, exx.  ¹ *m(i)ni* 'death';  ² *nb-enb* 'sarcophagus', lit. 'lord-of-life'.
¹ Urk. iv. 405, 8. ² Urk. iv. 113, 9.
- 55**  mummy lying on bed (replacing O.K. form with man on bed)¹
- Det. lie, ex.  abbrev.  ² *sdr* 'lie', 'spend all night'; death, exx.  ³ *bpt* 'decease';  ⁴ *hst* 'corpse'.
¹ Ex. Meir iv. 4, 1. ² Eb. 6, 9. ³ Cairo 20003, a 2. ⁴ Th. T.S. i. 30, b.

For  *A 59* see above after *A 25*.

Sect. B. Woman and her Occupations

- B 1  seated woman Det. female, exx.  *st* 'woman';  *hmt* 'woman', 'wife';  *ntrt* 'goddess'; woman's relationships, exx.  *sit* 'daughter';  *hrt* 'widow'; her occupations, exx.  *hmt* 'female slave';  *smryt* 'chantress'; her name, ex.  *Nfrt* 'Nofret'. As suffix 1st pers. sing. 'I', 'my' (fem.)  has not been noted before Dyn. XIX.¹
- ¹ Exx. MAR. Abyd. i. 25.
- 2  pregnant woman Det. pregnant, exx.  *iwr* 'conceive';  *bk*, 'be pregnant'.
¹ D. el B. 49. ² Urk. iv. 268, 7.
- 3  woman giving birth Ideo. or det. in  *var.*  *msi* (*msi*) 'bear', 'give birth' and the related words.
¹ Urk. iv. 13, 16.
- 4  ¹ combination of sign for a squatting woman (cf. B 3) with  F 31 ² Use as last. In one hieratic MS. substituted for  A 3.³
¹ Exx. Brit. Mus. 566; Cairo 70040 = ROEDER, *Naos* 42. Also without arms showing, ex. Berl. A. i. p. 258, 18, 20. ² Old exx. show the two signs almost or quite separate from one another, but with the phon. sign *mf* placed as though it were the infant in course of being born, Urk. i. 24, 15; 35, 11; 36, 7. ³ JEA. 32, Pl. 14, n. 1, 3a.
- 5  ¹ woman suckling child Det. 'suckle' in  *mnst* 'nurse', 'foster-mother'.
¹ Exx. Dyn. XII, BH. i. 25, 79; Dyn. XVIII, D. el B. 53.
- 6  ¹ woman seated on chair with child on lap Det. 'nurse' in  *rnn* 'nurse', 'rear'.
¹ Exx. L. D. iii. 53; D. el B. 101.
- 7  queen wearing diadem and carrying flower Det. of names of queens.¹
¹ Ex. Ann. 42, 479, from Thebes, tomb 192, temp. Amenophis III.

Sect. C. Anthropomorphic Deities

- C 1  god with sun and uraeus on head Ideo. or det. in  ¹ var.  ¹ *R* '(the sun-god) Re'.
¹ D. el B. 110.
- 2  god with head of falcon bearing sun on head Ideo. or det. in  ¹ var.  ¹ *R* '(the sun-god) Re'.
¹ Urk. iv. 14, 13.
- 3  god with head of ibis  26 Ideo. or det. in  ¹ var.  ² *Dhwty* ² 'Thoth'.
¹ Bersh. i. 15. ² Reading, see on G 26.
- 4  god with head of ram  10 Ideo. or det. in  ¹ var.  ¹ *Hnmw* 'Chnum'.
¹ Urk. iv. 99, 5.

Sect. B. Woman and her Occupations

- B 1  seated woman Det. female, exx.  *st* 'woman';  *hmt* 'woman', 'wife';  *ntrt* 'goddess'; woman's relationships, exx.  *sit* 'daughter';  *hrt* 'widow'; her occupations, exx.  *hmt* 'female slave';  *smryt* 'chantress'; her name, ex.  *Nfrt* 'Nofret'. As suffix 1st pers. sing. 'I', 'my' (fem.)  has not been noted before Dyn. XIX.¹
- ¹ Exx. MAR. Abyd. i. 25.
- 2  pregnant woman Det. pregnant, exx.  *iwr* 'conceive';  *bk*, 'be pregnant'.
¹ D. el B. 49. ² Urk. iv. 268, 7.
- 3  woman giving birth Ideo. or det. in  *var.*  *msi* (*msi*) 'bear', 'give birth' and the related words.
¹ Urk. iv. 13, 16.
- 4  ¹ combination of sign for a squatting woman (cf. B 3) with  F 31 ² Use as last. In one hieratic MS. substituted for  A 3.³
¹ Exx. Brit. Mus. 566; Cairo 70040 = ROEDER, *Naos* 42. Also without arms showing, ex. Berl. A. i. p. 258, 18, 20. ² Old exx. show the two signs almost or quite separate from one another, but with the phon. sign *mf* placed as though it were the infant in course of being born, Urk. i. 24, 15; 35, 11; 36, 7. ³ JEA. 32, Pl. 14, n. 1, 3a.
- 5  ¹ woman suckling child Det. 'suckle' in  *mnst* 'nurse', 'foster-mother'.
¹ Exx. Dyn. XII, BH. i. 25, 79; Dyn. XVIII, D. el B. 53.
- 6  ¹ woman seated on chair with child on lap Det. 'nurse' in  *rnn* 'nurse', 'rear'.
¹ Exx. L. D. iii. 53; D. el B. 101.
- 7  queen wearing diadem and carrying flower Det. of names of queens.¹
¹ Ex. Ann. 42, 479, from Thebes, tomb 192, temp. Amenophis III.

Sect. C. Anthropomorphic Deities

- C 1  god with sun and uraeus on head Ideo. or det. in  ¹ var.  ¹ *R* '(the sun-god) Re'.
¹ D. el B. 110.
- 2  god with head of falcon bearing sun on head Ideo. or det. in  ¹ var.  ¹ *R* '(the sun-god) Re'.
¹ Urk. iv. 14, 13.
- 3  god with head of ibis  26 Ideo. or det. in  ¹ var.  ² *Dhwty* ² 'Thoth'.
¹ Bersh. i. 15. ² Reading, see on G 26.
- 4  god with head of ram  10 Ideo. or det. in  ¹ var.  ¹ *Hnmw* 'Chnum'.
¹ Urk. iv. 99, 5.

- | | | | |
|-----|------|---|--|
| C 5 | | the same holding ♀ | Use as last. |
| | S 34 | | |
| 6 | | god with head of dog | Ideo. or det. in var. ⲥ 'Inpw' 'Anubis'; also in
¹ Wp-wrwet 'Wepwawet'.
¹ Urk. iv. 99, 10. |
| | E 15 | | |
| 7 | | god with head of Seth-animal | Ideo. in ⲥ Sth ¹ (<i>Sts</i>) 'Seth'.
¹ Reading, see on E 20. |
| | E 20 | | |
| 8 | | ithyphallic god with feathers, uplifted arm, and flagellum | Ideo. or det. in ¹ var. ⲥ Mnw ² 'Min'.
¹ Urk. iv. 1031, 4. ² Reading, see on R 22. |
| | S 45 | | |
| 9 | | goddess with sun and horns | Ideo. or det. in ¹ var. ⲥ ² Ht-hr 'Hathor'.
¹ Sinai 141. ² Sinai 95. Also shown seated on chair, ib. 105. |
| 10 | | goddess with feather on head | Ideo. or det. in var. ⲥ Mst 'Māet', the goddess of Truth. |
| 11 | | god with arms supporting (the sky) and { M 4 on head (often also without {) | Ideo. in var. Pyr. ⲥ ¹ Hh 'one of the gods) Heh'. ²
Hence phon. <i>hh</i> in <i>hh</i> 'million', 'many' (§ 259).
¹ Pyr. 1390. ² The eight Heh-gods were those who held the sky aloft, see KERS, <i>Göttergläube</i> , p. 312 and the picture JEA. 28, Pl. 4. The sign for 'year' (M 4) was added doubtless on account of the common expression <i>hh m</i> (or <i>n</i>) <i>rnpw</i> 'a million years'. |

It may prove possible to find images of other deities used as ideo. or det. in M. K. inscriptions, but for lack of positive earlier evidence some models for the hieroglyphic fount have been taken from monuments of Dyn. XIX or later,¹ exx. C 12 Amūn, C 17 Mont, C 18 Tjanen, C 19 and C 20 Ptah.

¹ *JEA.* 17, 245.

Sect. D. Parts of the Human Body

- D 1  head in profile Ideo. in  'head' and  'chief', 'first'. Det. head, exx.  *d̥d̥s* 'head';  *hs* 'back of head', whence prep.  *hs* 'behind' (§ 172) and  *mkhs* 'neglect';  *dhnt* 'forehead', whence  *dhn* 'promote', etc.; perhaps with notion throttle, in  *g̥w̥nw̥s* 'fetter', 'bind fast'. Possibly  possessed the value *d̥d̥s* in some cases where there is no evidence to prove it. In one M. E. story the spellings  and  alternate for the 'head' of a goose, as well as in the common O. K.

Sign-list

EGYPTIAN GRAMMAR

D I ፩ (continued)

2 ፪ face

3 ፫ hair

4 ፭ eye

5 ፯ eye touched up with
paint

6 ፱¹ later alternative to last Use as last.

personal name ፩. ³ Of the two words for 'head' *dšd*, alone has survived in Coptic (*djō*, construct *dje*), also in the prepositions *edjen*, *hidjen*; it is impossible to say how early the latter readings are, and the values *r-tp*, *hr-tp* have been provisionally retained above, p. 135, top.

¹ Reading, *PSBA*. 21, 269.

² *Urk.* iv. 7, 4.

³ *Westc. Index*, p. 30.

Ideo. in ፪ *hr*¹ 'face' and derivatives. Hence phon. *hr*, exx. ፩ ፪ ፪ *hr* 'prepare'; ፩ ፪ *dhr* 'bitter', 'sour'.

¹ Reading from Coptic *ho* 'face', derivatives like *hrai* 'upper part', and phonetic use.

Det. hair, exx. ፩ ፩ ፩ *shny* 'hair'; ፩ ፩ ፩ *skm* 'grey-haired'; skin, exx. ፩ ፩ *iwn* 'complexion', 'nature'; ፩ ፩ ፩ *inm* 'skin'; mourn, in ፩ ፩ ፩ *iskb* 'mourn'; bald, empty, forlorn, exx. ፩ ፩ *wš* 'fall out (of hair)', whence abbrev. ፩ in ፩ ፩ *gm wš* 'found defective' (of damaged writing or pictures);¹ ፩ ፩ ፩ ፩ *hrt* 'widow'.

¹ *Eb.* 18, 1; 90, 3; *PIEHL, IH.* iii. 74; reading from *BH.* i. 26, 162. See too *Sitz. Berl. Ak.* 1912, 912.

Ideo. in ፩ *irt* 'eye', Gk. *ipi*.¹ Hence phon. *ir*, exx. ፩ *iri* 'make'; ፩ ፩ *irtt* 'milk'. Det. see, in ፩ *varr*. ፩ ፩ ፩,² ፩ *mss* 'see', whence ፩ as phon. *ms* in ፩ ፩ ፩ ³ *msw* 'lions'. Early det. in other words for see, look, and in connection with other notions involving the eye, exx. ፩ ፩ ⁴ *dgi* 'look'; ፩ ፩ ⁵ *šp* 'blind'; ፩ ፩ ⁶ *rmi* 'weep'; ፩ ⁷ *rs* 'be wakeful'; later, especially in Dyn. XVIII, mainly replaced as det. by the more specific signs ፩ D 5, ፩ D 6, ፩ D 7, and ፩ D 9. From end of Dyn. XVIII a masc. dual ፩ ፩ ... *wy* 'eyes' is occasionally found,⁸ but whether this points to the existence of a masc. word *ir* 'eye' is uncertain.

¹ *PLUTARCH, De Iside* 10. See *Rec.* 17, 93. ² *Suet* 1, 217, where the doubling indicates gemination, see *Verbum* i. § 390. ³ *Sh. S.* 30. ⁴ *Sin.* B 279; *Urk.* iv. 19, 6. ⁵ *P eas.* B 2, 105. ⁶ *Leb.* 76. ⁷ *Paheri* 2. ⁸ *Wb.* i. 108, 1-2.

Det. actions or conditions of eye, exx. ፩ ፩ ¹ *dgi* 'look'; ፩ ፩ ² *šp* 'blind'; ፩ ³ *rs* 'be wakeful'.

¹ *MAR. Abyd.* ii. 30, 33.

² *Urk.* iv. 85, 6.

³ *Urk.* iv. 960, 11.

¹ *MÖLL. Pal.* ii. no. 83, from Dyn. XVIII; very rare, however, as early as this.

PARTS OF THE HUMAN BODY

Sign-list

- D 7 eye with painted lower lid Det. adorn, exx. ¹ *msdmt* 'eye-paint'; ² *rn* (*rin*) ³ 'beautiful'. From the latter, phon. det. *rn*, ex. ⁴ *nw* (*inw*) ³ 'Ainu', a place-name, see B 8. The use as det. see etc., ex. ⁵ *ptr* 'behold', is abnormal.
- ¹ *BH*. i. 38. ² *Amarn*. iii. 19. ³ *Sim. Urk*. iv. 6, 11, qu. *Exerc. XXXII*, (a).
³ For *rin* as the full reading cf. Semitic *rain* 'eye' and Eg. words qu. below, D 8, n. 1. ⁴ *BH*. i. 26, 175. ⁵ *Sint* i. 220.
- 8 eye enclosed in sign for land — N 18 Det. in *nw*, *(i)nw* 'Ainu', the quarry at the modern Turah whence *inr hd nfr n nw* 'fine white (lime)stone of 'Ainu' was obtained.¹ Hence phon. det. in *rn* 'beautiful'.² See too above D 7.
- ¹ *AEO*. ii. 126*, following *Sitz. Berl. Ak.* 1933, 864. The full value *rin*, corresponding to Semitic *rain* 'eye', is proved by the derivatives *rin* 'coat with lime-stone (!)', *Urk*. i. 20, 5 (O. K.) and *rjn* 'Ainu-stone' *Wb*. i. 191, 4, 5 (Dyn. XX).
² *Meir* ii. 12, 3; *Urk*. iv. 52, 16.
- 9 eye with flowing tears Ideo. or det. in var. ¹ *rmi* 'weep', 'beweep'.
¹ *Rekh*. 4.
- 10 human eye with the markings of a falcon's head Ideo. or det. in var. ¹ *wdjt* 'the *wdjt*-eye' (or 'wedjat-eye'), i. e. 'the sound (uninjured) eye' of Horus (§ 266, 1). ¹ *BUDGE*, p. 56, 7. ² *BUDGE*, p. 38, 15.
- 11 part of the white of the *wdjt*-eye Sign for $\frac{1}{2}$ *hek*-measure of corn (§ 266, 1).¹
¹ Reversed in hieratic, see p. 198, n. 1.
- 12 pupil of the eye Det. in *dfd* 'pupil' of eye.¹ As part of the *wdjt*-eye sign for $\frac{1}{4}$ *hek*-measure of corn (§ 266, 1). A similar, but smaller, sign appears to have been used for from 1 to 9 *hek* (§ 266, 1). To be distinguished from the grain of sand o N 33, and from the circle o, see after Z 8.
- ¹ *BUDGE*, 212, 13 (*Nu*).
- 13 eye-brow (also as part of the *wdjt*-eye) Sign for $\frac{1}{8}$ *hek*-measure of corn (§ 266, 1). Also \approx as det. in \approx ¹ *inh* 'eye-brow(s)'. Det. or phon. det. in some words connected with *smd* (*smd*) 'eye-brow' itself not found until Greek times.²
¹ *M. u. K.* 3, 8. ² *Wb*. iv. 146.
- 14 the other (see D 11) part of the white of the *wdjt*-eye Sign for $\frac{1}{16}$ *hek*-measure of corn (§ 266, 1).
- 15 one of the markings of the *wdjt*-eye Sign for $\frac{1}{32}$ *hek*-measure of corn (§ 266, 1).

Sign-list

EGYPTIAN GRAMMAR

- D 16 ፩ another of the markings Sign for $\frac{1}{64}$ *hekāt*-measure of corn (§ 266, 1).
of the *wdšt*-eye
- 17 ፪ markings of the *wdšt*-eye (nos. D 15 and 16 together) Ideo. or det. in ፩¹ var. ፫² *tit* 'figure', 'image'.
¹ *Urk.* iv. 887, 2. ² *Urk.* iv. 53, 17.
- 18 ፭¹ ear Ideo. or det. in ፩ ፭² *msdr* 'ear', dual ፭ ፭³ *msdrwy* 'the two ears'.
¹ Thebes, tomb 93. ² *Amarn.* vi. 15, 6. ³ *D. et B.* 116.
- 19 ፯¹ nose, eye and cheek Ideo. or det. in ፯ O.K. var. ፯ ፯ *fnd*, later ፯ ፯ *fnd*, 'nose'.
Det. nose, ex. ፯ ፯ 'nose', 'nostril'; smell, exx. ፯ ፯ *tpt* 'sniff'; ፯ ፯ *sn* 'smell'; face, in ፯ ፯ ፯ *hnt* 'face'; joy, exx. ፯ ፯ *rš(w)* 'rejoice'; ፯ ፯ ፯ *hnts* 'take pleasure'; soft, kind, ex. ፯ ፯ *sfn* 'be mild'; also in ፯ ፯ *bṭn* 'be disobedient'; ፯ ፯ *gfn* 'rebuff'. From *hnt* 'face' (see above), phon. det. and (seldom before Dyn. XIX)² phon. *hnt*, exx. ፯ ፯ ፯ var. ፯ *hnty* 'in front of' (adj.). Owing to similarity in hieratic ፯ sometimes appears in hieroglyphic for ፯ Aa 32, ex. ፯ ፯, for ፯ ፯, *sty* 'red(?) Nubian(?) pigment'; also for ← U 31, ex. ፯ ፯ *hni* for ፯ ፯ ፯ *hn(r)i* 'restrain'; the hieratic has been often transcribed wrongly in modern books.³ Confusion of two different stems has contributed to the confusion of signs in words like ፯ ፯ *hnrt*, varr. ፯ ፯ ፯ ፯, ፯ ፯ ፯ *hnt* 'prison', 'harim', 'fortress', which are consequently hard to differentiate.⁴
- ¹ Exx. *Hier.* 5, no. 59; *Rekh.* 15. ² *ÄZ.* 55, 86. ³ *Rec.* 39, 20. ⁴ *Adm.* 47.
Sim. in ፯ ፯ ፯ 'prisoners', Cairo 20024 = *Musée Egyptien* i. 17.
- 20 ፯ semi-cursive variant of last¹ Use as last, but seldom in careful sculptures or paintings.
¹ Already Dyn. IV, *Medium* 22. Exx. Dyn. XII, Cairo 20538, ii. c 13. 14.
- 21 ፯ mouth (Dyn. XII rarely vertically ፯¹) Ideo. in ፯ *r* (*rš*)^{1a} 'mouth', Coptic *rō*. Hence phon. *r*. In group-writing (§ 60) ፯ is *r*,² ex. ፯ ፯ ፯ *ibr* 'stallion'.
¹ Exx. Louvre C 1, 5; POL. § 33, a. ² BURCHARDT § 77. ^{1a} See above, p. 429, for the original presence of *r*.
- (Monograms incorporating ፯ D 21.) For ፯ see M 6. For ፯ see M 24. For ፯ see M 25.
- 22 ፯ mouth with two strokes attached Ideo. in ፯ *rw*¹ 'two-thirds' (§ 265).
¹ Reading, CLÈRE in *Arch. Or.* 20, 629.
- 23 ፯ mouth with three strokes attached Ideo. in ፯ 'three-quarters', probable reading *hmt rw*¹ (§ 265).
¹ CLÈRE, *op. cit.* 640.

PARTS OF THE HUMAN BODY

Sign-list

- D 24**  ¹ upper lip with teeth Ideo. in  ¹ *spt*, var. *Pyr.*  ² *spt*, 'lip', 'border' (of pool, etc.). Occasionally used by mistake for  ³ *F 42*.
¹ MÖLL. *Pal.* ii. no. 92 b. ² *Pyr.* 1393. ³ *Urk.* iv. 140, 6 (*spr.*).
- 25**  two lips with teeth Ideo. or det. in  ¹ var.  ² *spty* (*spty*) 'lips'.
¹ *M.u.K.* 4, 1. ² *Urk.* iv. 971, 2.
- 26**  ¹ liquid issuing from lips Det. spit, ex.  ² *psg* 'spit'; vomit, exx.  *bši* 'vomit';  *kš*, var.  *kš*, 'spew out'; blood, in  ³ *snf* 'blood'.
¹ MÖLL. *Pal.* ii. no. 93 (Dyn. XVIII); the same form already *Pyr.* 142 (*psg*).
² *Eb.* 30, 17. ³ *P. Kah.* 7, 29.
- 27**  breast ⁰ Ideo or det. in  var. *Pyr.*  ¹ *mnd*, later var.  ² *mnd*, 'breast'. Det. suckle, exx.  ³ *snk* 'suckle';  *mney* 'tutor' (det. transferred from *mnr* 'nurse').
⁰ Model from Thebes, tomb 85. So too *Puy.* 59. ¹ *Pyr.* 32. ² *Urk.* iv. 920, 10.
³ *D.el.B.* 94. ⁴ *Paheri* 4.
- 27***  breast (rather com- Use as last.
moner shape)¹ ¹ *D.el.B.* 94; *Paheri* 4.
- 28**  arms extended so as to Ideo. in  *kš* 'soul', 'spirit' (p. 172). Phon. *kš*,¹ exx.  *kst* 'work';  *hkš* 'magic'. In group-writing (§ 60)  or  is phon. *kš*.
¹ Reading, *Pyr.* 300 (*kšr* 'chapel'). ² BURCHARDT § 120.
- 29**  combination of  D 28 and  In  *kš* 'soul', regarded as of divine nature.
- 30**  ¹ the sign  D 28 with an appendage Det. in  ² *Nhb-krw* 'Uniter-of-attributes', name of a mythical serpent-deity.³
¹ *Pyr.* 229. *Sim. Urk.* iv. 459, 13. ² MAR. *Karn.* 33, where the appendage takes the form of  *I 10*. ³ *JEA.* 21, 41.
- 31**  ¹ combination of  D 32 and  In  var.  *hm-kš* 'servant of the *ka*', 'ka-priest'.
¹ *Hier.* 9, no. 165 (Bershah).
- 32**  arms enclosing or embracing Det. envelop, exx.  *ink* 'envelop';  *hpt* 'embrace'; open arms, in  *pg* 'unfold'.
- 33**  arms engaged in rowing Ideo. in  *hn*¹ 'row' and derivatives. Hence phon. *hn*, ex.  *hnw* 'turmoil'.
¹ Reading, see the varr. of *mht* 'ferry-boat', *Pyr.* 1223 combined with 334.
- 34**  arms holding shield and battle-axe¹ Ideo. in  var. *Pyr.*  ² *rhš* 'fight' and derivatives.
¹ Thebes, tomb 93. Elsewhere usually shield and mace, *Hier.* p. 15.
² *Pyr.* 574. In M.K. also sometimes  *lhš*, see *Sphinx* 12, 108.
- 34***  ¹ O.K. form of last Use as last.
¹ DAV. *Prah.* i. 5, no. 46.

D 35 arms in gesture of Ideo. in $\sqcup n^2$ and $\sqcup nn^2$ 'not' (§ 104). Hence phon. n^2 negation exx. $\sqcup n$ 'to', 'for' (§ 164); $\sqcup \text{nn}^2 m$ 'spleen'. Ideo. also in $\sqcup \text{var. } \sqcup \text{var.}$ Pyr. $\sqcup \text{var. } \sqcup \text{var.}$ 'which not' (§ 202).³ Det. not know, in $\sqcup \text{var. } \sqcup \text{var.}$ 'be ignorant'; hence phon. det. $\sqcup \text{var. } \sqcup \text{var.}$ exx. $\sqcup \text{var. } \sqcup \text{var. } \sqcup \text{var. } \sqcup \text{var. }$ 'shrine'; also with metathesis $\sqcup \text{var. } \sqcup \text{var. }$ in $\sqcup \text{var. } \sqcup \text{var. } \sqcup \text{var. } \sqcup \text{var. }$ 'forget'.

¹ Palms upward, common at all periods, exx. O.K., *Saqq. Mast.* i. 1; M.K., *Meir* i. 5; Dyn. XVIII, *Rekh.* 2. 3. 10; but sometimes palms down, exx. O.K., *Medium* 24; M.K., *BH.* i. 8; Dyn. XVIII, *Rekh.* 4. 15. ² Readings, *GUNN*, *Stud. ch. 9.* ³ Reading *JEA.* 34, 27. ⁴ *Urk.* iv. 96, 4; see on O 34. ⁵ *Mill.* i, 10.

36 forearm

Ideo. in $\sqcup \text{c}$ 'arm', 'hand'. Hence phon. c . Also in hieratic, less often in hieroglyphic, as substitute for \sqcup D 37, \sqcup D 38, \sqcup D 39, \sqcup D 40, \sqcup D 41, \sqcup D 42, \sqcup D 43, \sqcup D 44.

For see D 59. For see G 20. For see G 45. For see M 27. For see O 12. For see P 7. For see Aa 22.

37 forearm with hand holding X 8

In Pyr. almost exclusively ideo. in $\sqcup \text{var. } \sqcup \text{var. } \sqcup \text{var. }$ 'give', imperative (§ 336),¹ whereas is there common both as $(r)d\bar{i}$ and as $i\bar{m}\bar{i}$. In M.K. and later \sqcup is commoner than both in $r\bar{d}\bar{i}$ (\sqcup) and in $d\bar{i}$ (\sqcup), but tends in the imperative $i\bar{m}\bar{i}$ to be replaced by \sqcup D 38. In Dyn. XI sometimes replaced by \sqcup D 40^{1a} or \sqcup D 44.^{1b} Phon. d (from $d\bar{i}$) in $\sqcup \text{var. } Ddw$ 'Busiris' (§ 289, 1); also $m\bar{i}$ or merely m (from $i\bar{m}\bar{i}$), exx. $\sqcup \text{var. } \sqcup \text{var. }$ var. $\sqcup \text{var. } \sqcup \text{var. }$ ² Kmi 'Kemi', name of a queen; $\sqcup \text{var. } \sqcup \text{var. }$ 'behold' (§ 234).

¹ *Verbum* ii. § 537. ^{1a} *JEA.* 16, 195; *Coffin Texts, passim.* ^{1b} Cairo 20001, qu. § 327. ² *Cat. d. Mon.* i. p. 87, no. 44. ³ MAR. *Abyd.* ii. 28, 30.

For see G 19.

38 forearm with hand holding a rounded loaf

In M.K. and more frequently in Dyn. XVIII det. in $\sqcup \text{var. } \sqcup \text{var. }$ $i\bar{m}\bar{i}$ 'give' (§ 336). Hence phon. $m\bar{i}$ ¹ and more commonly m , exx. $\sqcup \text{var. } \sqcup \text{var. }$ $m\bar{k}\bar{i}$ 'protect'; $\sqcup \text{var. } \sqcup \text{var. }$ ² Itm 'Atum'.

¹ Evidence (but mainly with D 36 or D 37) *Verbum* ii. § 538. ² *Puy.* 20. Sim. mtn 'behold', *Sint* i. 275. In O.K., see p. 257, n. 25. ³ *ÄZ.* 46, 140.

39 forearm with hand holding bowl W 24

Det. offer, present, exx. $\sqcup \text{var. } \sqcup \text{var. }$ var. $\sqcup \text{var. } \sqcup \text{var. }$ hnk 'present'; $\sqcup \text{var. } \sqcup \text{var. }$ $dr\bar{p}$ 'offer'. In Dyn. IX-XII occasionally as substitute for \sqcup D 37 or \sqcup D 38, ex. $\sqcup \text{var. } \sqcup \text{var. }$ ¹ $r\bar{d}\bar{i}$ 'who causes'; $\sqcup \text{var. } \sqcup \text{var. }$ ² $Mkt-Rr$ 'Mektrēt', name of a man; also for \sqcup D 36, ex. $\sqcup \text{var. } \sqcup \text{var. }$ ³ $m\bar{r}$ 'in the hand of'.

¹ *Sint* 5, 5. 8; *Brit. Mus.* 581, vert. 19. ² *D. el B.* (XI) ii. 9, d. ³ Cairo 20003, qu. p. 266, n. 10.

- D 40 forearm with hand holding stick From M.K. on tends to replace A 24, exx. var. ¹ *nbt* 'strong'; *ith* 'drag'. Also abbrev. for 'examine'.² In Dyn. XI sometimes replaces D 37, see there.
¹ *Urk.* iv. 856, 4. ² *Eb.* 37, 2, qu. § 444, 4, compared with *ib.* 36, 4.
- 41 forearm with palm of hand downwards Det. arm, exx. *gb*; 'arm'; varr. ¹ ² *rmn* 'arm', 'shoulder'; *isby* 'left'; det. various actions involving movement of arms,³ exx. ¹ *hms* 'bend', 'bow'; *rki* 'incline'; *hsı* 'sing'; cessation of movement, exx. *grh* 'cease'; *ni* 'reject'. From this last, phon. or phon. det. *ni*, exx. ⁴ *niw* 'ostrich'; ⁵ var. ⁶ *niw* 'bowl'.
¹ AZ. 34, 30. ² Brit. Mus. 572, 12. ³ Reason obscure in *umt* 'traverse'. ⁴ Reading, see G 34. ⁵ *Sint* 1, 308. ⁶ *Eb.* 21, 10.
- 42 forearm as last, but with upper arm straight Ideo. or det. in var. *mh* 'cubit' (§ 266, 2).
- 43 forearm with hand holding flagellum S 45 Ideo. in varr. Pyr. ¹ ² *bwi* 'protect'. Hence phon. *bw*, exx. ³ *bww* 'evil'; ⁴ *sbwd* 'enrich'.
¹ *Pyr.* 1629. ² *Pyr.* 1797. ³ *Urk.* iv. 1077, 9. ⁴ *Urk.* iv. 60, 15.
- 44 forearm with hand holding the *bs*-sceptre S 42 Det. in ¹ abbrev. ² *brp* 'be at the head of', 'control', 'administer' and derivatives.
¹ *Urk.* iv. 31, 7. ² Cairo 20001, b 6, qu. § 327.
- 45 arm with hand holding the *nhbt*-wand¹ Ideo. or det. in var. ² *dsr*, var. Pyr. ³ *dsr*, 'clear (a road)', 'be private', 'holy', and derivatives.
¹ See JEQ. 185; used as a brush (?), JEA. 32, 51. ² *Urk.* iv. 864, 15.
³ *Pyr.* 1456.
- 46 hand Ideo. in ¹ *drt*,¹ occasional varr. ² *drt*, ³ *drt*, 'hand'. Phon. *d*, from the old Semitic word *yad* 'hand',⁴ cf. Egypt. *wdi* 'put', 'push', 'emit (sound)'.
¹ Reading based mainly on Coptic *tore*, *tobt*, AZ. 50, 91; formerly read *dt*, the varr. here given being regarded as distinct words. ² Pyr. 440; *Sint* 3, 3.
³ *Pyr.* 1703; Brit. Mus. 574, 18. ⁴ AZ. 50, 91.
- 47 hand with curved palm Det. in *drt* 'hand' when written phonetically; see last.
¹ CHASS. ASS. Pl. 19, top, l. 6 from left.
- 46* hand letting fall drops Ideo. in ² var. ³ *idt* 'fragrance', O. K. var. ⁴.
¹ BH. i. 17, and so always Pyr. Shown with drops, not curve, *Ikherm.*, col. to left, and so already PETR. RT. i. 17, 26. ² BH. i. 17, cf. O.K., L. D. ii. 89 c.
³ *Ikherm.*, col. to left, the det. due to confusion with *idt* 'dew'. ⁴ Pyr. 363, b.

Sign-list

EGYPTIAN GRAMMAR

- D 48  hand without thumb Ideo. in  var.   *sšp* 'palm', more strictly 'a hand-breadth', a linear measure (§ 266, 2).
¹ *Urk.* iv. 190, 10, 12; cf. *AZ.* 60, 71 for the reading.
- 49  fist Det. grasp, in  *smm* 'grasp';  *bfr* 'seize'.
- 50  finger⁰ Ideo. or det. in  var. Pyr.  *dbr* 'finger' and related words. Hence phon. *dbr*, ex.  *dbr* '10,000' (§ 259). The two fingers  serve as det. accurate, exx.  *rks* 'accurate';  *mty* (*mtr?*²) 'precise'; also in derivatives of these stems. Apt to be confused in hieroglyphic texts with  T 14, though quite distinct in hieratic.³
- ⁰ Not a thumb as proposed *AZ.* 73, 119; see *Mitt. Kairo* 9, 146. ¹ *Pyr.* 118.
² Possibly two stems *mty* 'precise' and *mtr* 'be present', 'witness' are to be distinguished. ³ MÖLL. *Pal.* i. nos. 117 and 457.
- 51  finger horizontally Ideo. or det. in  var.  *rnt* 'nail'. Det. for obscure reasons in  *hs* 'measure';  *ts* 'take', 'gird on';  *dkr* 'press'.² From the last, phon. det. *dkr* in  abbrev.  *dkr(w)* 'fruit'. As abbrev.  appears also to represent  *ksw* 'grains (?)' in the medical papyri.⁴ In  *nkrwt* 'notched sycomore figs'⁵ — either replaces a nail-like notching instrument⁶ or more probably expresses the general notion of scratching.
- ¹ *BH.* ii. 4. ² *GARD. Sin.* 60. ³ *Urk.* iv. 748, 7 compared with *ib.* 694, 5; see too *PSBA.* 13, 452-3. ⁴ Compare *Eb.* 87, 5 with *Hearst* 10, 15. ⁵ KEIMER in *Acta Orientalia*, 6, 288. ⁶ *Ib.* 293.
- 52  phallus Det. male, exx.  *rs* 'ass';  *tjy* 'male', 'man';  abbrev.  *ks* 'bull'. Phon. *mt* (cf. Hebrew מִנְחָה 'men'), exx.  *mtwt* 'poison';  *bmt* 'three'. In O.K. this sign is used of the organ and all that is characterized by it, while  D 53 expresses what issues from or is performed by it.¹ In M.K. the use differs somewhat and is less consistent.²
- ¹ *Sphinx* 16, 69. ² *Sphinx* 16, 186.
- 53  phallus with liquid issuing from it For the use of  as contrasted with  D 52, see the latter. Det. in  *hnn* 'phallus';  *wsš* 'urinate';  *mtwt* 'poison'; sometimes also (contrary to O.K. usage) in  *tjy* 'male', 'man';  *hi* 'husband'; regularly (contrary to O.K. usage) in  var.  *m-bsh* 'in the presence of' (§ 178).

For  as substitute for the female organ, see on  N 41.

PARTS OF THE HUMAN BODY

Sign-list

D 54 ⌂ legs walking

Ideo. in ⌂ iw¹ 'come' (§ 289, 2). Det. movement, exx. ⌂ ⌂ sm 'go'; ⌂ ⌂ tkn 'approach'; ⌂ ⌂ bsb 'hasten'; also lack of movement, exx. ⌂ ⌂ sb 'stop'; ⌂ ⌂ ⌂ si 'linger'. The group ⌂ 'walk', 'step' (plur. ⌂, ⌂ ⌂) reads nm̄t̄.² For ⌂ combined with other signs, exx. ⌂, ⌂, ⌂ see § 58, 1.

¹ Reading, *Pyr.* 1210 in the divine name 'Iw-s-ri-f. ² AZ. 38, 56; *Sphinx* 6, 53; see the varr. *Pt.* 313 and compare *Ikhern.* 18 with Cairo 20473, b.

For ⌂ see M 18. For ⌂ see N 40. For ⌂ see O 35. For ⌂ see T 32. For ⌂ see V 15. For ⌂ see W 25.

55 ⌂ legs walking backwards Det. backwards, exx. ⌂ ⌂ ¹ nn 'turn back'; ⌂ ⌂ ⌂ ² sbk, 'cause to retreat'; ⌂ ⌂ ⌂ ³ h̄t̄t̄ 'be reversed'.

¹ *Leb.* 83.

² *P. Kah.* 1, 8.

³ *Sut* 1, 270.

56 ⌂ leg

Ideo. or det. in ⌂ var. ⌂ rd 'foot'. Det. leg, foot, exx. ⌂ ⌂ ¹ mnt 'thigh'; ⌂ ⌂ pd 'knee'; ⌂ ⌂ wert 'leg', 'shank'. From pd, phon. pds² in ⌂ varr. ⌂ ⌂, ⌂ ⌂, ⌂ pds 'box'. From wert, phon. or phon. det. wr̄ in ⌂ ⌂ abbrev. ⌂ wert 'district' and its derivative title ⌂ ⌂ wertw 'district official'; also in ⌂ ⌂ ⌂ w̄r̄ 'flee'. From ⌂ ⌂ ³ sbk 'leg', phon. det. or phon. sbk in ⌂ ⌂ var. ⌂ ⌂ ⁴ sbk 'excellent', 'successful'. For some reason unknown, phon. gh or ghs⁵ in ⌂ ⌂ ⁶ var. ⌂ ⌂ ⌂ ^{6a} ghs 'gazelle'. The group ⌂ is used to determine various verbs expressing movement, exx. ⌂ ⌂ thi 'transgress'; ⌂ ⌂ ⁷ h̄nd 'tread'.

¹ In *Pyr.* (ex. *Pyr.* 262) with a very different determinative.

² *Sphinx* 13, 89.

³ *Wb.* iv. 93, ex. *Pyr.* 1314 (sbk).

⁴ *Urk.* iv. 84, 17.

⁵ *Urk.* iv. 741, 12. ^{6a} *Eb.* 98, 7, see *Kēmi* i, 144.

⁶ *Sphinx* 13, 89.

⁶ part of foreleg', *Pyr.* 1547; for this word see *Bull.* 30, 866.

⁷ Not related to h̄nd

57 ⌂ combination of ⌂ D 56 and ⌂ T 30

Det. mutilate, in ⌂ ⌂ ⌂ ¹ ist̄ 'be mutilated' and derivatives. Note abbrev. ⌂ ⌂ ⌂ ² ist̄w 'place of execution'; ⌂ ⌂ ⌂ ³ var. ⌂ ⌂ ⌂ ⁴ s̄isty 'cheat' (n.) appears from the var. to be a causative.⁵ Det. also in ⌂ ⌂ ⁶ nkn 'damage'.

¹ *Wb.* i. 34.

² *Wb.* i. 35.

³ *Peas.* B 1, 99. 262-3.

⁴ *Peas.* B 1, 250.

⁵ *Vog. Bauer* 94.

⁶ *Brit. Mus.* 574, 11; *Westc.* 8, 16.

58 ⌂¹ foot

Cf. ⌂ var. ⌂ ² bw 'place', 'position'. Hence phon. b.³

¹ In Dyn. I often very low, exx. DR MORGAN, *Recherches* ii. p. 235, fig. 786; QUIBELL, *Hierakonpolis* i. 38. In M.E. usually lower than other high signs.

² *Urk.* iv. 512, 15.

³ SETHE, *Alphabet* 152.

Sign-list

EGYPTIAN GRAMMAR

D 59 combination of D 58 Phon. *r̥b*, ex. *r̥b* 'horn'.
and D 36

60 combination of D 58 Ideo. in var. Pyr. ¹ *wrb* 'pure', 'clean'.
with a vase from
which water flows (re-
places earlier A 6)

For see S 13.

61 toes¹ Ideo. or det. in var. *ss̥h* (*ss̥h*) 'toe'. Hence
phon. or phon. det. *ss̥h* (*ss̥h*)², exx. *ss̥h* 'approach';
 m-ss̥ht 'in the neighbourhood of' (§ 178).

¹ L. D. ii. 3 (Dyn. III). See AZ. 34, 77 and above p. 439. ² For *s* see Pyr. 959.

62 less correct form of last Use as last.
(Dyn. XVIII) ¹ *Rekh. 3.*

63 another form of last Use as last.
(Dyn. XVIII) ¹ Cairo 34002 (LACAU, Pl. 3) = *Urk. iv. 28, 8.*

Sect. E. Mammals

E 1 ¹ bull

Ideo. in var. *ks* 'bull'. Det. cattle, exx. *ng* 'bull'; *iw* 'ox'; *mnmnt* 'cattle', 'herds'.

¹ The sign is apt to vary in form according to the sex and species demanded in the particular case. ² Reading, see p. 172, n. 4; but in some contexts the reading may be *lh* or *twi*.

2 aggressive bull

Ideo. in *ks nht* 'victorious bull', epithet of Pharaoh (§ 55).
Det. in ² *sm* 'fighting bull'.

¹ D. el B. 120. ² Urk. iv. 2, 13.

3 calf

Det. in *bhs* (*bhz*)¹ 'calf'; also in ² *wnqdw* 'short-horned cattle'.

¹ Pyr. 27. ² D. el B. 140, where the sign differs from the calf only slightly.

4 ¹ sacred *hsst*-cow

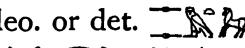
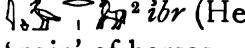
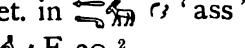
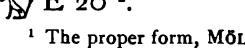
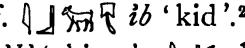
Det. in *hsst* (*hzst*)² 'sacred *hsst*-cow'.

¹ Karnak, chapel of Hashepsow. The sign differs considerably elsewhere, exx. *Meir* i. 11; Louvre C 14, 5. ² For the *z* see Pyr. 1029.

5 cow suckling calf

Det. in *sms* 'show solicitude' as towards child or parent.¹

¹ Wb. i. 11.

- E 6  horse Ideo. or det.  var.  ¹ ssmt 'horse'. Det. horse, in  ² *ibr* (Hebrew אֵבֶר) 'stallion';  ³ *hir* 'team', 'pair' of horses.
¹ *Urk.* iv. 652, 10, qu. § 117. ² *Urk.* iv. 663, 10. ³ *Urk.* iv. 697, 16.
- 7  ass Det. in  'ass'. In hieratic¹ sometimes replaced by  E 20².
¹ The proper form, MÖLL. *Pal.* i. no. 133. ² References, E 20, n. 5.
- 8  kid ( E 8* kid jump- Cf.  *ib* 'kid'.¹ Hence phon. det. *ib*, exx.  *ibi* 'thirst';  *ibw* 'refuge'; only rarely phon. *ib*, ex.  *ibh* 'ibh-priest'. Det. small cattle, exx.  *rwt* 'flocks', 'goats';  *mnnmt* 'herds'.
¹ This later type is wrongly substituted for the earlier in many old publications. See *JEA*. 17, 246. ² *Wb.* i. 61. ³ *AZ*. 37, 91. ⁴ *Urk.* iv. 664, 13. ⁵ *Sin.* B 147.
- 9  newborn bubalis or Phon. *iw*, exx.  var. *Pyr.*  ¹ *iwr* 'conceive';  *iwr* 'inherit'. In group-writing (§ 60)  is used for *i*.²
⁰ *Ann.* 42, 257. ¹ *Pyr.* 820. ² *BURCHARDT* § 20.
- 10  ¹ ram (*Ovis longipes palaeoaegypticus*)² Det. in  *b3* 'ram';  *Hnmw* 'Chnum', a ram-headed god. Det. sheep, exx.  ³ *sr* 'sheep';  ⁴ *rwt hdt* 'white flocks', i. e. 'sheep'.
¹ *BH.* iii. 3, no. 35 (*Hnmw*), here represented, as not uncommonly, with the beard characteristic of the male animal. ² *Rec.* 24, 44; also more fully *Ann.* 38, 297. ³ *Menthuw.* 7. ⁴ *Urk.* iv. 664, 14.
- 11  ¹ ram (O.K. form of last) Use as last.
¹ From the picture *Sah.* 1; as hieroglyph, *ib*. 17.
- 12  pig Det. pig in  *rri* 'pig';  *s3i* 'pig'.
- 13  ¹ cat Det. in  *miw* 'cat'.
¹ Cf. the picture *Musée Egyptien* i. 3.
- 14  ¹ greyhound (*slughi*) Det. dog in  *iw* 'dog';  *tsm* 'hound'.
¹ *D. el B.* 70. Cf. the picture *BH.* iv. 2.
- 15  recumbent dog¹ Ideo. or det. in  var.  *Inpw* 'Anubis'. Also  as sportive ideo. for the title  *hry s3t* 'he who is over the secrets'.
¹ So interpreted by the Greeks, rather than as a jackal, *AZ*. 41, 97. However, the question is still disputed, see HOPFNER, *Der Tierkult der alten Ägypter* 47. See further below, E 18, n. 2. ² *BH.* i. 32 (see for reading Cairo 20539, i. b 18); Cairo 20457, i (see for reading *ib.* 20088, c 12); *Urk.* iv. 1118, 14.
- 16  ¹ recumbent dog on Shrine Ideo. or det. in  var.  *Inpw* 'Anubis'. Also  like  for *hry s3t* 'he who is over the secrets'.
¹ *Urk.* iv. 1120, 7.

Sign-list

EGYPTIAN GRAMMAR

- E 17  jackal¹
- Ideo. or det. in  *sib*, var. Pyr.  ² *zib*, 'jackal' and related words, ex.  *sib* 'dignitary', 'worthy'.
- ¹ The conventional rendering is here retained. The animal is depicted *BH*. ii. 4. The Upper Egyptian *sib* is, however, the Anubis nimal E 15 (*Pyr.* 727); on the other hand, the *sib* has close connections with Wepwawet, the wolf-god E 18 (*Unt.* iii. 8. 16). ² *Pyr.* 1257.
- 18  ¹ wolf (?)² on the standard  R 12
- Ideo. or det. in  *varr.*   *Wp-wrwt* '(the wolf-god) Wepwawet', lit. 'opener of the ways', Gk. 'Οφωτις'.
- ¹ Thebes tomb 100. ² So interpreted by the Greeks, *AZ.* 41, 97, cf. their name Λύκων πόλις for the modern town of Asyût. However, GAILLARD (*Ann.* 27, 33) showed that the skulls found at Asyût were either those of (1) wandering dogs (*canis familiaris*) or (2) crosses of this with the small Eg. jackal (*canis lupaster*) producing the hybrid called *canis lupaster domesticus* by Hilzheimer. Hence, he argues, the description of Wepwawet as a wolf is wrong.
- 19  ¹ O.K. form of last with protuberance (*šdšd*) in front and a mace — T 3 passing through the standard
- Use as last.
- ¹ *Pyr.* 126 (*W* 187). See GARSTANG, *Mahîna and Bêt Khalâf* p. 19; for *šdšd* also *AZ.* 47, 88.
- 20  animal of Seth, perhaps a kind of pig¹
- Ideo. in  var.  ² *Sth*,³ var. Pyr.  ⁴ *Sts*, '(the god) Seth' Σηθ; later sometimes abbreviated as   . Det. turmoil, exx.    *hnnw* 'turmoil';   *shs* 'be in confusion'. M. K. hieratic shows a strong tendency to use  for  E 7⁵ and  E 27.⁶
- ¹ *JEA.* 14, 211; see, however, *AZ.* 50, 84; 61, 18; the tail is shown as an arrow, *AZ.* 46, 90. ² *Urk.* v. 32, 6. ³ Reading *PSBA.* 28, 123; *AZ.* 50, 84. ⁴ *Pyr.* 17. ⁵ *Petas.* R 64; *Eb.* 96, 5. ⁶ Compare *nšny*, *Sh.* S. 32, 98 with *sr*, *ib.* 31, 97.
- 21  animal of Seth recumbent (var. of last)
- Det. turmoil, ex.  *nšni* 'storm', 'rage' (vb.).
- 22  lion
- Ideo. or det. in  ¹ var.  ² *msi* 'lion'.
- ¹ *Urk.* iv. 893, 12. ² *Urk.* iv. 39, 1; 718, 1.
- 23  recumbent lion
- Ideo. in  var. Pyr.  ¹ *rw* 'lion';  ² *Rwty* 'the Two-lion-god'.² Phon. *rw*, exx.   var. O.K.  ³ *rwyt* 'gate (?)';   ⁴ *itrw* 'river'. In group-writing (§ 60)  or  is used for *r*,⁴ ex.   ⁵ *Krr* 'Gerâr', a Syrian locality; for  see on N 35. Through similarity in hieratic⁶  is employed in words with  U 13 reading *šnr*, exx.  *šnr* 'hold back';  *šnr* 'magazine'.
- ¹ *Pyr.* 1351 with the lion mutilated, see *AZ.* 51, 36. ² *PSBA.* 38, 92. ³ *Gebr.* ii. 12. ⁴ BURCHARDT § 80. ⁵ *Urk.* iv. 784, 60. ⁶ See above p. 439.
- 24  ¹ panther
- Ideo. or det. in  ¹ var.  ² *sby* 'panther', 'leopard'.
- ¹ *D. el B.* 74. ² *Urk.* iv. 139, 9.

- E 25 ¹ hippopotamus Det. in ² *db*, var. ³ *dib*, 'hippopotamus'; ⁴ *b3b* 'hippopotamus'.
¹ From the picture *Bull. Metr. Mus. New York*, Eg. Expedition, 1922-3, 35.
² *Pars. B* 1, 206. ³ *Th. T. S.* ii. 11. ⁴ *Louvre C* 14, 11.
- 26 ¹ elephant Det. in ² *bw* 'elephant'. Semi-phon. in ³ *bw* 'Elephantine', a town near the First Cataract.
¹ *Cat. d. Mon.* i. 155 (Dyn. XII). ² *Ib.*
- 27 ¹ giraffe (*mmy*) ¹ For unknown reason, det. *sr* in ² *sr* (*sr*) ² 'foretell'.
¹ *Rec.* 38, 205. ² *Pyr.* 278. The det. of this word is confused with the Seth-animal in M. K. hieratic, see above E 20.
- 28 ¹ oryx Det. in ² *mhd* 'oryx'.
¹ *Ex. D. el B.* 140.
- 29 ¹ gazelle Det. in ² *għs* (*għs*) ² 'gazelle'.
¹ *Ex. D. el B.* 140; cf. *ib.* 111. ² For the reading with *f* see *DAV. Ptah.* ii. 19.
- 30 ¹ ibex Det. in ² *nsw*, var. ³ *nrw*, var. O.K. ³ *nis*, 'ibex'.
¹ *Ex. D. el B.* 140; cf. *ib.* 111. ² *Eb.* 52, 12. ³ *DAV. Ptah.* ii. 19.
- 31 ¹ goat with collar carrying a cylinder seal ¹ Ideo. (?) or det. ² var. ³ *srh* (*srh*) ² 'rank', 'dignity' and related words. Occasionally replaced by ♀ S 20.
¹ Perhaps originated in some attribute *srh* characteristic of goats, with which was combined the cylinder seal ♀ S 20 as det. of sense; if so, the Pyr. form of F 3, a leopard's head with uraeus, might provide a close parallel, see *JEA.* 34, 14; *AZ.* 35, 171 connects the word *srh* 'rank' with Arab. *saraħa* 'pasture freely'. ² For the reading with *f* see *Pyr.* 800.
- 32 ¹ sacred baboon (*Cynocephalus hamadryas*) Det. in ² *irn* ² 'sacred baboon'; ³ *ky* 'monkey'
¹ Det. in ⁴ *knd* 'be furious'.
¹ *Ex. D. el B.* 74 (*mt*). ² Varr., see *Rec.* 28, 162; *AZ.* 46, 99. 101.
³ *Sh. S.* 165 (*ib.* also *gf*). ⁴ *Rekh.* 8, 37.
- 33 ¹ monkey Det. monkey, in ² *gf*, var. ³ *gif*, 'monkey'.
¹ *Ex. D. el B.* 74 (*gf*).
- 34 ¹ desert hare (*shrt*) ¹ Phon. *wn*, ² exx. ³ *wnn* 'be'; ⁴ *swnt* 'sale'.
¹ *BH.* ii. 4. ² Reading from many Coptic equivalents, exx. *wōn* 'open'; *wōnesh* 'wolf'.
³ See *JEA.* 34, 13, for discussion of the sign and its meanings.

Sect. F. Parts of Mammals

- F 1 head of ox Replaces *k*; E 1 in the formula of offering (p. 172) and like.
- 2 ¹ head of infuriated bull Det. in ² *dnd* 'rage'.
¹ *Puy.* 20, where the word is written *dnd*. Cf. *Pyr.* 63 (*dnd*).
- 3 ¹ head of hippopotamus, ¹ Semi-ideo. in ² *st* 'striking power' ²; phon. *st* in ³ var. later form of a sign ⁴ *st* 'moment', 'attack'.
¹ Thebes, tomb 93, chocolate coloured; see too Cairo 34,002 (LACAU, Pl. 3).
² See *JEA.* 34, 13, for discussion of the sign and its meanings.

- F 4 forepart of lion Ideo. in *hst*¹ 'front' and derivatives, ex. var. *hsty* 'heart'. Note *hsty-r* 'prince'.
¹ Reading, *AZ*, 39, 135; *Sphinx* 13, 98. ² *Cat. d. Mon.* i. 24, no. 165.
- 5 head of bubalis, cf. above E 9 Cf. *ssrw* (*ssrw*)² 'babalis'. Hence phon. or phon. det. *ssr* (*ssr*), exx. var. ³ *ssr* 'be skilled'; *ssrw* 'prescription'. Sometimes incorrectly as phon. det. *ssr*, ex. ⁵ *ssr* 'prayer'.
¹ Depicted *BH*, ii. 4. ² Written *ss* in *Dyn. V*, *DAV. Ptah*, ii. 19. ³ *Urk.* iv. 134, 8. ⁴ *P. Kah.* 5, 20. ⁵ *Sh. S.* 129, qu. § 457.
- 6 ¹ forepart of bubalis Use as last.
¹ *Ex. Urk.* iv. 97, 7.
- 7 ram's head Det. in ¹ *äft* 'ram's head', whence also in var. ² *ſyft* 'worth', 'dignity'; ³ *ſyſyt* 'dignity'.
¹ *Urk.* iv. 183, 10; 623, 1. ² *Urk.* iv. 848, 5.
- 8 ¹ forepart of ram Use as last.
¹ The common form in *Dyn. XVIII*; but so already Louvre C 30 (M.K.).
- 9 head of leopard (*b3*)¹ Det. or abbrev. in var. ² *phty* 'strength'.
¹ See *Rec.* 37, 113; also sculpture from Abu Gurâb in *KLEBS*, *Reliefs des alten Reichs*, p. 63.
- 10 head and neck of long-necked animal (Dyn. XVIII) Det. neck, throat, exx. *hb* 'throat'; *htyt* 'throat'; also activities connected therewith, exx. ¹ *m* 'swallow'; *nd* 'be parched'.
- 11 ¹ O.K. form of last Use as last.
¹ *Pyr.* 270.
- 12 head and neck of canine animal Ideo. in *Pyr.* ¹ var. ² *wśrt* 'neck'. Hence phon. *wsr* (*wśr*), exx. *wsr*, var. *Pyr.* ² *wśr*, 'powerful'; ³ *wśr* 'oar'.
¹ *Pyr.* 286. ² *Pyr.* 297. ³ *Westc.* 5, 8.
- 13 horns of ox Ideo. in *wpt* 'brow', 'top (of forehead)', 'beginning'.⁰ Hence phon. *wpt*, ex. var. *Pyr.* ¹ *wpti* 'divide', 'open'; in two words reads *ip*, viz. ² *ipt*² 'mission'; ³ *ipwty* 'messenger', var. *Pyr.* ³.
⁰ According to *DAWSON*, *JEA*, 22, 106, properly the vertex or sagittal line of head; but the rendering 'brow' seems often needed in untechnical contexts.
¹ *Pyr.* 92. ² Coptic *erone*; also a L. E. var., ČERNÝ, *Late Ramesside Letters*, 10, 6. ³ *Pyr.* 1440; sim. also later, *Sitz. Berl. Ak.* 1912, 958.
- 14 combination of F 13 and M 4 In ¹ var. ² *wpt-mpt* 'New Year's day'.
¹ *Urk.* iv. 824, 9. ² *Urk.* iv. 261, 8.
- 15 ¹ combination of the last and N 5 Use as last.
¹ *D. el B.* 63. Sim. *Sint* 1, 305.

PARTS OF MAMMALS

Sign-list

F 16  horn

Ideo. or det. in  var.  ¹ *db* 'horn';  ² *hnt* 'horn';  var.  ³ *rb* 'horn'. From this last, phon. or phon. det. *rb*, exx.  ⁴ *rbr* 'boast';  ⁵ *m-rb* 'together with' (§ 178).

¹ *P. med. Berl.* 11, 12 (Dyn. XIX) = *Eb.* 48, 16. ² *Rec.* 39, 117. See too *ib.* 38, 61. ³ *D. el B.* 112. Sim. *rbw-r* 'breakfast', *Urk.* iv. 506, 10, cf. *ib.* 59, 7.

17  combination of F 16 and a vase with water, cf.  D 60

In  var.  ¹ *rbw* 'purification'.

¹ *D. el B.* 63. ² *D. el B.* 86, 3.

18  tusk of elephant

Det. tooth, exx.  var.  ¹ *ibh* 'tooth';  ² *nhd* 'tooth'; also actions connected therewith, exx.  ³ *psh* 'bite';  ⁴ *sbt* 'laugh' (influenced by *sbt* 'cry'?). From *ibh*, phon. or phon. det. *bh*, exx.  ⁵ *bhs* 'calf';  ⁶ *sbt* 'cry'. For unknown reason,^{1a} phon. det. *hw* in  *Hw* 'Hu', the god of authoritative utterance;  ⁷ *hw* 'sustenance'; hence in group-writing (§ 60) is *h*², ex. ⁸ *Mh* 'Mahu', a personal name. In words reading *bis*, exx. ⁹ *bis* 'firmament', ¹⁰ *bist* 'wonder', is possibly not a tooth, but a metal spout.³ Phon. det. *bi* in var. ¹¹ *bit*⁴ 'character'.

¹ *Eb.* 89, 14.

^{1a} A suggestion, *Ann.* 43, 284.

² *BURCHARDT* § 95.

³ *AZ.* 38, 151.

⁴ *Adm.* p. 82.

19  ¹ lower jaw-bone of ox ²

Det. in  ³ *rrt* 'jaw'.

¹ Thebes, tomb 100.

² *Ann.* 44, 313, n. 1.

20  tongue of ox?

Ideo. in  *ns* 'tongue'. Hence phon. *ns* (*ns*)¹, exx.  ² *n(y)-sw* 'he belongs to' (§ 114, 2);  ³ *nsr* 'flame'. Det. actions connected with tongue, ex.  ⁴ *dp* 'taste'. Sportive ideo. in  ⁵ *imy-r* 'overseer', lit. 'one who is in the mouth' (§ 79). Sometimes confused with the abbreviated det. for death, enemy,  ⁶ *Z* 6.

¹ For the reading with *s*, see *nsr* 'flame', *Pyr.* 295.

² *AZ.* 40, 142; 42, 142.

21  ear of ox?

Ideo. or det. ear, exx.  var.  ¹ *msdr* 'ear';  ² *rnhy* 'the two ears'; also in actions connected with ear, exx.  ³ *sdm*, var. *Pyr.*  ⁴ *sdm*, 'hear';  ⁵ *idn* 'be deaf'. Phon. or phon. det. *idn* (cf. Hebr.  'ear') in  var.  ⁶ *idn* 'replace'; ⁷ *idnw* 'deputy'. In medical papyri 'leaf (of a tree)' is to be read *drd*, cf. the late var. ⁸; there too ⁹ *sdm* (*Pyr.* *sdm*) 'paint' (eyebrows), after *sdm* 'hear' had become *sdm*.

¹ *Eb.* 92, 5 compared with 92, 3.
vs. 3, 7 (ed. WRESZINSKI, p. 48) compared with *Eb.* 62, 10.

² *Pyr.* 1461.
³ See *P. med. Berl.*

⁴ *Eb.* 59, 10.

- F 22 hind-quarters of lion or leopard Ideo. in *p̄hw̄y* 'hind-quarters', 'end'; hence phon. or phon. det. *p̄h*, exx. var. ¹*p̄h* 'reach'; ²*p̄hty* 'strength'. Det. in ³*kf̄* 'bottom' (of vase, etc.); hence phon. or phon. det. *kf̄*; in ⁴*kf̄t̄ib* var. ⁴*kf̄t̄ib* 'trusty'. Also det. in *r̄t* 'hind-quarters'.
¹ Berl. *AI.* i. p. 257, 8. ² Eb. 54, 22. ³ Pt. 433. ⁴ Cairo 20266, b 8; 20399.
- 23 foreleg of ox (thus always in hieratic) Ideo. or det. in var. *hp̄s* 'foreleg', 'arm'. Det. in ²*Mshtyw* 'the Great Bear', lit. 'the Foreleg'.
¹ MÖLL. *Pal.* i. 164. Sim. *Five Th.* T. 3. ² LAC. *TR.* 20, 89, cf. *Griff. Stud.* 373.
- 24 ¹ the same reversed Use as last.
¹ Common in hieroglyphic at all periods; exx. O.K., CAPART, *Rue* 98, 100; M.K., *Meir* ii. 2; iii. 21; Dyn. XVIII, *Five Th.* T. 4.
- 25 leg and hoof of ox ¹ Ideo. in *w̄hmt* 'hoof' of ox.² By transference to donkey, semi-ideo. in ³ abbrev. *w̄hm(t?)* 'hoof', figuratively for 'asses'.⁴ Hence phon. *w̄hm* in *w̄hm* 'repeat', O. K. var. ⁵ and derivatives.
¹ KEIMER, *Ann.* 44, 311. ² Of ox, *Onom. Ram.* 281 in *AEO* i. 16 (read *w̄hmt* for *whmt*). ³ *Dend.* 11, top right. ⁴ REC. 38, 61. ⁵ JÉQUIER, *Les Pyramides des reines Neit et Apout*, Pl. 13, 382 = *Pyr.* 1622, b; pointed out as correction of accepted reading *whm* (see REC. 24, 189) in *Wb. Belegstellen* to i. 340, 11.
- 26 skin of a goat ¹ Ideo. in ² var. ³*hnt* 'skin'. Hence phon. *hn(w)*,⁴ exx. *hnw* 'interior'; *hn* 'approach'.
¹ MONTET p. 316. ² PETRIE, *Deshasheh* 21. ³ Eb. 40, 2.
⁴ Reading, *Pyr.* 334, variants of *m̄hnt* 'ferry-boat'.
- 27 cow's skin ⁰ Det. skin, exx. ¹*d̄hr* 'hide', 'leather'; ²*msk*; 'skin', 'rug'; mammals generally, exx. ³*wns* 'wolf'; ⁴*p̄nw* 'mouse'.
⁰ See the markings above, Pl. 1, top. ¹ WESTC. 12, 5. ² MUNICH 3, 21.
³ PEAS. R 15. ⁴ EB. 98, 2.
- 28 alternative form of last This form is regular as ideo. dappled in ¹ var. ²*s̄b̄ ūwt* 'variegated of feathers', epithet of the solar Horus, cf. *Pyr.* ³*s̄b̄* 'variegated'. Sometimes replaces ⁴*b̄d̄w* (U 23), ex. ⁴*b̄d̄w* 'Abydus'.
¹ EXX. with winged disk, *D. el B.* 96; flying falcon, *ib.* 93. ² BRIT. MUS. 826, 9 = REC. I, 70. ³ PYR. 1211; cf. the common O.K. man's name *S̄bw*, exx. DYN. I, DE MORGAN, *Recherches*, ii. p. 235, fig. 786; DYN. V, *Urk.* i. 82, 8.
⁴ LAC. *Sarc.* i. 184 (collated); MAR. *Abyd.* ii. 22.
- 29 cow's skin pierced by an arrow Ideo. or det. in var. ¹*st̄i* (*st̄i*)¹ 'pierce' and derivatives. Also phon. *st̄i*, ex. ²*S̄t̄i* '(the goddess) Satis', in spite of the fact that *Pyr.* write this name ³*S̄t̄i* with *t̄* instead of *t̄*.
¹ PYR. 1197. ² BRIT. MUS. 852. ³ PYR. 1116; see AZ. 45, 24.

PARTS OF MAMMALS

Sign-list

- F 30**  water-skin Cf.  *šdw* 'water-skin',¹ 'cushion'.² Hence phon. *šd*, exx.  var. Pyr.  ³ *šdi* 'draw forth';  var.  ⁴ *wšd* 'address', 'question'.
- ¹ Rec. 11, 119; cf. PETRIE, *Deshasheh* 19, O.K. ex. with det. waterskin.
² Rekh. 2, 1. ³ Pyr. 1030. ⁴ Brit. Mus. 574, 3.
- 31**  three foxes' skins tied together¹ Cf.  *mst* 'apron of foxes' skins'. Hence phon. *ms* (*mſ*), exx.  *msi*, var. Pyr.  ³ *msi*, 'give birth';  ⁴ *msdm̄t* 'black eye-paint'.
- ¹ Bibliography, JÉQ. 93. ² LAC. *Sarc.* ii. 163. ³ Pyr. 1466. ⁴ Eb. 33, 3.
- 32**  animal's belly showing teats and tail¹ Ideo. in  *hl* 'belly', 'body'. Hence phon. *h*.²
- ¹ Medium, Pl. 12, with p. 30. ² SETHE, *Alphabet* 155.
- 33**  ¹ tail Det. in  *sd* (*šd*)² 'tail'. Hence phon. or phon. det. *sd*, ex.  var.  ³ *sdy*, a title.
- ¹ Thebes, tomb 93. ² Pyr. 1302. ³ Thebes, tomb 93.
- 34**  heart Ideo. in  var. Pyr.  ¹ *ib* 'heart'. Det. in  *hst̄y* 'heart'.
- ¹ Pyr. 311.
- 35**  ¹ heart and windpipe¹ For unknown reason, phon. *nfr* in  *nfr*, rare var.  ²,³ 'good' and related words.
- ¹ Hier. p. 65. Cf. 'Ανθράκων καρδία φάρνηγος ἡρτημένη, ἀγαθοῦ ἀνθράκου στόμα σημαίνει, HORAPOLLO, *Hieroglyphica*, 2, 4. ² Cairo 20011; cf. also Copt. *nūfē* 'good'.
- 36**  ¹ lung and windpipe¹ Cf.  ² *sms* 'lung'. Hence phon. or phon. det. *sms* (*zms*) in  ³ var.  *sms* (*zms*)⁴ 'unite' and derivatives.
- ¹ ÄZ. 42, 80. ² Eb. 99, 13. ³ Leyd. V 4, 5. ⁴ Pyr. 2015.
- 37**  backbone and ribs Ideo. or det. in  ¹ var.  ² *ȝit* 'back'. Det. in  *psd* 'back'. By confusion with  M 21, phon. det. *sm* in  ⁴ *sm* 'succour'.
- ¹ BH. i. 25, 34. ² Sin. B 141. ³ Urk. iv. 947, 15. ⁴ Brit. Mus. 581; Leyd. V 4, 9; rather different, *Menthuw.* II.
- 38**  ¹ alternative to last (Dyn. XVIII) Det. in  *psd* 'back'.
- ¹ Also with four ribs, ex. Cairo 34010, 11 (LACAU, Pl. 7) = Urk. iv. 614, 7.
- 39**  backbone with spinal cord¹ issuing from it Ideo. in  var.  ¹ *imsh* 'spinal cord',² whence also  var.  *imsh* 'venerated state'. Rarely det. in  ³ *psd* 'back'.
- ¹ So DAWSON, *JEA*. 22, 107; SCHÄFER had suggested 'marrow', see MÖLL. *Pal.* i. p. 16, n. 1. ² ÄZ. 47, 126. ³ Dyn. XVIII, *Urk.* iv. 373, 9; O.K., Pyr. 517.
- 40**  portion of backbone with spinal cord issuing at both ends Ideo. (?) in  *swi* 'stretch out', 'be long'. Possibly hence phon. *sw*,¹ exx.  ¹, *wt* 'offerings';  ², *frw* 'magnificence'.
- ¹ Reading, see *PSBA*. 18, 187; cf. also *sw* 'announce', Pyr. 1141.

F 41 vertebrae conventionally depicted

Rarely det. in *psd* 'back'. As det. of *fst* 'lust for blood' from an old sign depicting stalks of flax tied together and the bolls cut off.¹

¹ *D. el B.* 116. ² *Urk.* iv. 18, 5; also *frd* 'cut off', *Urk.* iv. 894, 11. ³ *Pyr.* 763, 1212. ⁴ See the scene *Paheri* 3.

42 rib

Ideo. or det. in var. ¹ *spr* (*spr*) 'rib'.³ Hence phon. *spr* (*spr*) in *spr* 'approach' and derivatives. Similar signs with which is liable to be confused are — D 24, 11, and 12.

¹ *P. Boul.* xi. vs. 8. ² *Siat* 1, 30. ³ *Pyr.* 81.

43 ¹ ribs of beef

Det. in ² *spht* 'ribs of beef'.

¹ *Meir* iii. 25; see the picture *ib.* i. 10. ² *Meir* iii. 21.

44 leg-bone with adjoining meat (two different, seldom distinguishable, signs)

(1) Det. in *iwr*¹ 'thigh (of beef)', 'femur';² hence phon. det. or phon. *iwr*, exx. *iwr* 'inherit'; *iwr* 'heritage'. (2) Det. in *swt* (*swt*) 'leg of beef', 'tibia';² hence phon. *isw* (*isw*) in var. *isw*,⁵ var. O.K. *isw*, 'exchange'.

¹ *Siat* 1, 276; cf. *Pyr.* 1546. ² See LORTET-GAILLARD, *La faune momifiée*, p. ix.

³ *B.H.* i. 32. ⁴ *D. el B.* 107, 110; cf. *Pyr.* 64. ⁵ References, p. 132, top.

⁶ *Urk.* i. 2, 8.

45 bicornuate uterus of heifer¹

Ideo. or det. in var. ³ *idt* (?)⁴ 'vulva', 'cow'.

¹ *PSBA* 21, 277; verified together with Griffith in an Oxford laboratory.

² *P. Kah.* 5, 2. ³ *Eb.* 96, 5. ⁴ For this reading, not *hmt*, see on N 41.

46 ¹ intestine

Ideo. in ² *k3b* 'intestine'; hence semi-ideo. in *m-k3b* 'in the midst of' (§ 178); *k(j)b* 'double'. Ideo. and later phon. also in var. *phr* 'turn', 'go round' and derivatives; var. *dbn* 'go round' and derivatives. Det. (from Dyn. XII) in *wdb*, var. ³ *wdb*, 'turn' and derivatives.

¹ That this, rather than any of the forms F 47–49, is the correct form is shown by its frequency in good hieroglyphic texts and by the hieratic evidence, see MÖLL. *Pal.* i. no. 183. Hieroglyphic exx.: *m-k3b*, *Paheri* 9, 11; *phr*, O.K., *Genn.* i. 11; M.K., *Cat. d. Mon.* i. 155; Dyn. XVIII, *D. el B.* 62, 154; *Paheri* 9, 7; *dbn* 'deben-weight', O.K., *Berl. AI.* i. 72 (no. 8032); *Sagg. Mast.* i. 2; Dyn. XVIII, *Puy.* 36; *NORTHAMPT.* i. 21; *wdb* 'cloth (?)', *D. el B.* 109; *wdb* 'shore', *Paheri* 9, 24. ² *Eb.* 42, 12. ³ *Sinai* 139, 10.

47 ¹) alternatives to last

(47) ² (N.B. No confusion

(46) ³ with ⁴ before the Amarna period)

Use as last.

¹ Varies with F 46 for *phr* in *Pyr.*; *Urk.* iv. 270, 7; *D. el B.* 10, 45; *dbn*, *D. el B.* 81.

² Ex. *phr*, *D. el B.* 11. ³ Regularly for *dbn* 'deben-weight' in the Annals of Tuthmosis III, exx. *Urk.* iv. 609, 718, 733; contrast *phr*, *Urk.* iv. 655, 9, 14. Exceptionally also *phr*, *Rekh.* 3, 21. ⁴ In *wdb*, *Amarn.* iii. 20. Probably never in *k3b*, *phr*, or *dbn*.

48 ³

49

- F 50  combination of = F 46 In  ¹ *sphr*, var. O.K.  ² *sphr*, 'copy', 'write out'.
and  S 29 ¹ Rhind, title. ² WEILL, *Dscr.*, Pl. 4, 1.
- 51 ♀ piece of flesh (also Det. limb, flesh, exx.  *rt* 'limb';  *hr* 'flesh'; parts sometimes ♂) of the body, exx.   *nhbt* 'neck', 'shoulder';  *mist* 'liver'; meat, ex.   *iwf* 'meat'. As abbrev.  is found for  *hrw* 'members', 'body'; and ♂ for  *kns* 'vagina'. Possibly a different sign is ♂ as phon. *ss* or *ws* in  *3st* 'Isis' and  *Wsr* 'Osiris', writings found on the M.K. coffins for some superstitious reasons; the former has as rare variant  In Dyn. XIX or before ♂ changes into the egg ♂ H 8 and subsequently ♂ becomes a generic det. for goddesses.

¹ *Urk.* iv. 959, 2. ² *Ib.* 9. ³ *Eb.* 94, 5. 8, cf. 93, 21. ⁴ Note the position. It has been proposed to derive this phonetic sign from *tsw* 'testicle' (*Wb.* i. 131), see NORTHAMPT. p. 9*; another possibility is that it is an adaptation of the hieratic sign for 'son' (*si*), which is likewise later shown in hieroglyphic as the egg; see on H 8.
⁵ LAC. *TR.* 2, 81; LAC. *Sarc.* ii. p. 129. ⁶ *AZ.* 46, 94. ⁷ PETRIE, *Gizeh* and *Rifeh* 13 f.; CAPART, *Recueil de Monuments* i. 20.

- 52 ♂ ¹ excrement (Pyr.)

Det. in Pyr.  *hs* 'excrement'.

¹ Pyr. 127. Later replaced, first by ♂ N 32 and then by ♂ Aa 2.

Sect. G. Birds

- G 1  Egyptian vulture (*Neophron percnopterus*)¹ Ideo. in Pyr.  ² *s*, 'vulture'; hence phon. *s*. Often indistinguishable from  (*tyw*) G 4.

¹ *Hier.* p. 19. ² Pyr. 1303; sim. *ib.* 1729. In the more general sense 'bird', Louvre C 14, 10.

- 2  two vultures  G 1 as Phon. *ss*, ex.  *mss* 'see'. monogram

- 3  combination of  G 1 Phon. *ms*, ex.    *smawy* 'renew'. and ♂ U 1

- 4  ¹ the long-legged buzzard (*Buteo ferox*) Phon. *tyw*, exx.   *hrtyw-ntr* 'necropolis workmen';   *i-tywn(y)* 'welcome ye!' (§ 313). Reading, see § 79. Often indistinguishable from  (s) G 1.²

¹ A brown bird, with head rounded and breast more prominent than in G 1, see *Hier.* 1, no. 1; cf. SHELLEY, *Birds of Egypt*, Pl. IX. ² Ex. Cairo 20046, qu. § 488.

- 5  falcon (exact species not determined¹) Ideo. in  var. Pyr.   ² *Hrw* '(the falcon-god) Horus'.

¹ So KEIMER; taken to be *Falco peregrinus* by LORET, *Bull.* 3, 1; BÉNÉDITE, *Faucon ou épervier*, in *Monuments Piot*, 1909. ² Pyr. 1690.

Sign-list

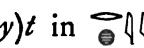
EGYPTIAN GRAMMAR

- G 6** falcon with flagellum \wedge Det. in ¹ *bik* 'falcon'.
S 45 ^{1 Urk. iv. 159, 13.}
- 7** falcon of Horus on the standard \wedge R 12 Det. in the O.K. writing ¹ *Hr(w)* 'Horus'. Hence in O.K. and later often archaistically det. of gods, ex. *Imn* 'Amun', or of the king, ex. *nsw* 'king'. So too regularly in hieratic, while hieroglyphic prefers A 40. Also ideo. in pronouns of 1st pers. sing. when the king is speaking, exx. ² *i*, ³ *wi* 'I', 'me'.
¹ *Urk. i. 132, 3.* ² See p. 39, n. 3. ³ *Urk. iv. 158, 16.*
- 7*** falcon in boat¹ Ideo. for the god of the XIIth nome of Upper Egypt, whose name has been inferred from somewhat complicated data to read '*nty*' 'Anty', meaning perhaps literally 'he with the claw(s)'. This god occurs also in other parts of Upper Egypt, particularly in the XVIIIth nome, where his name was possibly read differently. Closely connected was also a biune god '*ntywy*' 'Antywey' worshipped in the Xth nome and elsewhere, whom the Greeks equated with their mythical giant Antaeus.²
- 7**** variant form of G 7*¹
- For as old symbol of the West, see R 13. For see O 10.
- 8** falcon of Horus on the sign for gold \wedge S 12 In title of the king *Hr* (or *bik?*) *n nbw* 'Horus (or falcon?) of gold'.¹
- 9** falcon of Horus bearing the sun \odot N 5 on head In ¹ *Rē-Hr-shty* '(the composite god) Rē-Harakhti'.
¹ In cartouche of the Aten, SETHE, *Göttinger Nachrichten*, 1921, 109, n. 1, cf. *Urk.* iv. 144-5. The sun behind the falcon of Horus in royal titularies was perhaps not read, cf. *Urk. iv. 211, 15* with *ib. 4*.
- 10** ¹ falcon on a special sacred bark Det. in ² *Skr (Zkr)* '(the god) Sokar'.^{2a} Also det. in ³ *hnw* 'the *hnw*-bark (of Sokar)'.
¹ Leyd. *Denkm.* i. 17 (*Zkr*). ² *Dend.* 8; BUDGE, p. 38, 13. ^{2a} The often used Sokaris appears to be a spurious classical form; it is doubtful whether Σωκάρης as personal name is derived from that of the god, see *AEO* ii. 124.* ³ NAV. ch. I, 21. Sim. *Pyr* 138.
- 11** archaic image of a falcon Det. in ¹ *r̥m* (also *r̥m*, *r̥m*) 'divine image'; also in ¹ *śnbt* 'breast'.
¹ *Urk. iv. 612, 4.*
- 12** archaic image of falcon with flagellum \wedge S 45 Like G 11, det. in ¹ *r̥m* 'divine image'.
¹ BRUGSCH, *Thes.* 1078.

- G 13 archaic image of falcon Ideo. in var. Pyr. ¹ ² *Hr Nbn(y)* '(the god) Horus of Nekhen', i. e. of Hierakopolis. Det. in *Spdw* (*Spdw*) ⁴ '(the god) Sopd'.
¹ *Urk.* iv. 130, 12; 134, 4. ² *Pyr.* 295. ³ *Sinai* 115. ⁴ Reading, see *Pyr.* 1534; *LAC. TR.* 20, 14-15.
- I 14 vulture (*Gyps fulvus*; cf. § H 4) Det. in Pyr. ¹ *nrt* 'vulture'; hence phon. det. *nrt*, ex. ² *nrt* 'terror'. For obscure reason ^{1a} in *mwt* 'mother', Copt. *maau*; hence phon. *mt*, exx. ² *chmt* 'river-bank'; ³ *mtn* 'road'.
¹ *Pyr.* 1118. ^{1a} *DAV. Ptah.* i. 19. ² *Peas. R* 57. ³ *Sint* I, 230.
- I 15 vulture with flagellum Ideo. in ¹ *Mwt* '(the goddess) Mut'.
¹ *Urk.* iv. 413, 16.
- I 16 the vulture-goddess In *nbty* 'Two-Ladies', title of the king.¹
 Nekhbet and the cobra-goddess Edjō on baskets V 30
¹ See p. 73 for the reading and interpretation.
- I 17 owl¹ Cf. Coptic 'owl'.² Phon. *m*.
¹ According to KEIMER the hieroglyphs show several members of the family of *Strigidae*. NEWBERRY states that the sign as here printed depicts the Barn owl (*Tyto alba alba*).
² SETHE, *Alphabet* 153.
- I 18 two owls as monogram Phon. *mm*, ex. ¹ *tmm* 'not having been'. In Dyn. XVIII seems to be used for *im* 'therein' (§ 205).
¹ *D. el B.* 76.
- I 19 combination of G 17 and D 37 (Dyn. XVIII) Phon. *m* (originally *mi*), ex. *mhy* 'be neglectful'. See and .
- I 20 combination of G 17 and D 36 (Dyn. XVIII) Use as last.
- I 21 ¹ Sennâr guinea-fowl (*Numida m. meleagris*)^{1a} Ideo. in ² *nh* 'the *nh*-bird'. Phon. *nh*, exx. *nh* 'pray'; *nhh* 'eternity'. Some sculptors assimilate this sign to G 1 or G 43.³
¹ Exx. O.K., MÖLL. *Pal.* i. no. 229; Dyn. XVIII, *Rekh.* 2, 12. ^{1a} *JEA.* 26, 79; earlier also *Ann.* 38, 253, 689. ² BUDGE, p. 397, 12. ³ For the latter see *JEA.* 26, 80, n. 1 and above p. 361, n. 3.
- I 22 ¹ hoopoe (*Upupa epops*) Phon. *db* in ¹ var. Pyr. ² *dbt*, var. N.K. ² *dbt*, 'brick'.
¹ L. D. iii. 56, A. ² *Pyr.* 246.

Sign-list

EGYPTIAN GRAMMAR

- G 23**  ¹ lapwing (*Vanellus cri-*
status) Phon. or phon. det. *rḥ(y)t* in  var.  ², *rḥyt*
'common folk'.
- ¹ DAV. *Plak.* i. 18, no. 410, with p. 20. See too the picture *Th. T. S.* i. frontispiece.
- 24**  lapwing with wings twisted round one another¹ Use as last.
¹ *Ann.* 26, 186; *AEO.* i. 101*.
- 25**  ¹ crested ibis (*Ibis coma-*
ta) Ideo. or semi-ideo. in  ² var.  ³ *šb* 'spirit', 'spirit-like nature'. Hence semi-phon. *šb* in  ⁴ *šb* 'be glorious', 'beneficial' and derivatives.
¹ *Hier.* p. 21; *Bull.* 17, 183; *Ann.* 30, 24; 38, 263. ² *Pyr.* 474.
³ *ÄZ.* 57, 137. ⁴ *ÄZ.* 51, 58.
- 26**  sacred ibis (*Ibis reli-*
giosa) on the standard
-T R 12 Det. in  ¹ *hb* 'ibis'. Det. in  varr.  ² *Dhwty* '(the ibis-god) Thoth'.
¹ BRUGSCH, *Thes.* 1075. ² *ÄZ.* 51, 58.
- 26***  sacred ibis Use as last, but very rarely without the standard.
- 27**  flamingo (*Phoenico-*
pterus roseus)¹ Det. in  ² *dšr* 'flamingo'. Hence semi-phon. *dšr* in  var.  ³ *dšr* 'red' and derivatives.
¹ Coloured red, *Medum*, frontispiece, no. 6. ² B. of D. ed. LEPS., ch. 31, 9.
- 28**  black ibis (*Plegadis*
falcinellus)⁰ Cf. O.K.  ¹ *gmt* 'the gmt-bird'. Hence phon. *gm*,² exx.  ³ *gmi* 'find';  ⁴ *gmh* 'look at'.
⁰ GUNN, *Teti*, i. 109, n. 4; *Ann.* 30, 20. ¹ Legend to a picture of the bird flying, *ÄZ.* 38, Pl. 5. ² Reading, compare *gm!sw* in *Pyr.* 250 with BUDGE, p. 461, 12.
- 29**  jabiru (*Ephippiorhyn-*
chus senegalensis)¹ Ideo. in  *bs* 'soul (in bird form)'. Hence phon. *bs*, exx.  ² *bšk* 'servant';  ³ *hb* 'destroy'. In group-writing (§ 60)  or  or  is used for *b*².
¹ *Ann.* 30, 1. ² BURCHARDT § 41.
- 30**  three jabirus as mono- gram In  *bw* 'spirits', 'might'.
- 31**  heron (*Ardea cinerea* or *Ardea purpurea*)¹ Det. in  ² *bnw* (*bynw*)³ 'phoenix'. A very similar bird is det. in  ³ *šnty* 'heron'.
¹ *ÄZ.* 16, 104. ² *ÄZ.* 45, 84. ³ *Urk.* iv. 113, 14. Cf. *ÄZ.* 61, 106.
- 32**  heron on a perch Ideo. or det. in  var.  ¹ *br̄hi* 'be inundated'.
¹ *Urk.* iv. 1165, 14.
- 33**  buff-backed egret? (*Ardea ibis*)[?] Det. in *Pyr.*  ² *sdʒ* 'the sdʒ-bird'. Hence phon. det. in  ³ *sdʒ* 'tremble';  ⁴ *sdʒdʒ* 'tremble'.
¹ Cairo 34010, 12 (LACAU, Pl. 7) = *Urk.* iv. 616, 8. ² *Pyr.* 2152.
- 34**  ¹ ostrich (*Struthio came-*
lus) Det. in  var.  ² var. *Pyr.*  ³ *niw* 'ostrich'.
¹ Cairo 34001, 18 (LACAU, Pl. 1) = *Urk.* iv. 19, 10. ² *Eb.* 59, 19. ³ *Pyr.* 469.

- G 35 ¹ cormorant (*Phalacrocorax*) Phon. *rk*, exx. var. ² *rk* 'enter'; *rkw* 'revenue', 'provisions'.
¹ See the picture *BH.* iv. 11. ² *AZ.* 57, 6*.
- 36 swallow or martin¹ (one of the *Hirundidae*. Note the swallow tail) Phon. *wr*², exx. *wr* 'great'; *wrh* 'anoint'. A similar sign is det. in ³ *mnt* 'swallow'.
¹ So CARTER, confirmed by KEIMER, who insists that it is impossible to define the species more closely. Coloured facsimiles, differing much in detail, *Medium*, frontispiece no. 4; *Hier. Pl.* I, no. 3; contrasted with the 'bad' bird, below G 37, see *Bull. Metr. Mus. New York*, Egyptian Expedition, 1916-7, 18, fig. 17.
² Reading, cf. Coptic *oTwp* 'how much' - Eg. *wr* (§ 502); but also *varr.* in *Pyr.* 1183 (*nww*) and kindred words. ³ *Urk.* iv. 113, 13. ⁴ *Hier.* p. 20.
- 37 sparrow¹ (*Passer domesticus aegyptiacus*. Note the rounded tail) Det. small, exx. abbrev. ² *nds* (*nd*s)³ 'small'; ⁴ *hns* 'narrow'; bad, defective, exx. *bin* 'bad'; *sw* 'empty'; *mr* 'ill', 'diseased'; *sk* 'perish'.
¹ So CARTER, confirmed by KEIMER. Represented with approximative accuracy as a small brown bird, spotted with dark brown on the sides of the throat and crop; see *Bull. Metr. Mus. New York*, Egyptian Expedition, 1916-7, 18, fig. 18; *ib.* 1922-3, 35, fig. 29. ² *Th. T. S.* i. 11, row 2. ³ *Pyr.* 912. ⁴ *Pias. R.* 45.
- 38 white-fronted goose (*Anser albifrons*)¹ Det. in O.K. ² *gb* 'the *gb*-goose'; hence semi-phon. *gb* in *Gb*, var. *Gbb*, '(the earth-god) Geb', Gk. *Kῆβ*.³ Det. in *r*, *trp*, names of kinds of geese⁴; also in *spd* 'bird', 'goose'. This type may be employed in place of the more exact G 39 in words containing *ss* (23), except when the originals clearly mark the pintail. It may be employed for the indeterminate birds serving as phon. det. in *wf* 'talk'; *wf* 'be idle'; *wdf* 'delay' (§ 352); and *htm* 'perish'. Lastly, it may be used for the generalized det. of birds and insects found in hieratic,⁵ exx. ⁶ *tahr* 'hawk (?)'; ⁷ *niw* 'ostrich'; ⁸ *snhmw* 'locusts'.
¹ *Hier.* p. 22; *Bull. Metr. Mus. New York*, Egyptian Expedition 1916-7, 19. ² O.K., L.D. ii. 61, B; N.K., P. *Harris* 500, recto, 4, 7-9. ³ Reading, *AZ.* 24, 1; 43, 147; 51, 58. 59. ⁴ DAV. *Ptah.* i. p. 21; cf. *Gemn.* i. II. 12. ⁵ A goose according to *Hier.* p. 22. ⁶ MÖLL. *Pal.* i. no. 217. ⁷ *Pias. B* I, 175. ⁸ *Eb.* 86, 11. ⁹ *Hearst* 14, 7.
- 39 pintail duck (*Dafila acuta*)¹ Det. in ² *st* (*zt*, perhaps for *zst*) 'pintail duck'. Hence phon. *ss* (23), exx. (*ss*)³ 'son'; *srw* 'beam', 'plank'; *hsst* 'the divine *hsst*-cow'. This type may, if preferred, be employed in place of G 38 in the indefinite uses where the actual nature of the bird in question is unknown.
¹ *Hier.* p. 22; *Bull. Metr. Mus. New York*, Egyptian Expedition 1916-7, 19. ² *Ptah.* (E.R.A.) 37; *Ti* 25. ³ Reading with *z*, *Pyr.* 1130.

Sign-list

EGYPTIAN GRAMMAR

- G 40 pintail duck flying

Ideo. in Pyr. ¹ later var. -² *p*, 'fly'. Hence phon. *p*, exx. *p*, 'the' (§ 110); -*sp*, 'centipede'. In group-writing (§ 60) (hieratic) is used for *p*.³ In Dyn. XII is occasionally used for G 41.⁴ In hieratic is always replaced by G 41, as also occasionally in hieroglyphic.⁵

¹ Pyr. 463. ² BUDGE, p. 493, 12. ³ BURCHARDT § 46. ⁴ AZ. 39, 117, 8 (*bn*); BH. i. 25, 10 (*tn*). ⁵ See G 41, n. 10.

- 41 pintail duck alighting

Det. in *bn* 'alight',¹ 'halt'; hence phon. det. *bn*, ex. *bn* 'speech', 'sentence'. For unknown reasons, phon. or phon. det. *kni* in - var. - *kmyt* 'gum'; phon. det. *shw* in - *shwy* 'collect'. The combination ² is used to show that is the throw-stick T 14, not the identically shaped warrior's club, serving as det. in - var. - *kms* 'throw', whence - *kms* 'create'; also in - *mtn*, O.K. -³ *mtn*, 'nomad hunter', whence phon. det. *tn*, *tn*, exx. - *mtn* 'road'; *tni*, var. *tni*, 'distinguish'. Before Dyn. XVIII is sometimes used for G 40 in hieroglyphic,⁴ as always in hieratic,⁵ where it often serves, like G 38, as an indefinite det. for birds.

¹ Contrasted with *p*, 'fly', Pyr. 366. ² Eb. 68, 4. ³ Eb. 68, 7; see AZ. 31, 118. ⁴ BUDGE, p. 228, 11. Sim. Urk. iv. 84, 2. ⁵ Occasionally in Dyn. XVIII (ex. *tn*, *Paheri* 9, 39) the bird's head hangs as though it had been struck; so often later. ⁶ Westc. 4, 10. ⁷ LAC. TR. 22, 69. ⁸ Sin. R 50.

⁹ L. D. ii. 6, as proper name. ¹⁰ Exx. p. 395, nn. 3, 6; Louvre C 11, 3, 6; C 12, 6. ¹¹ MÖLL. Pal. i. no. 221 compared with no. 222.

- 42 fatted duck or wid-geon?¹

Ideo. in var. -² var. O.K. - ³ *wš*, 'fatten'; also in - ⁴ *df(j)* ⁵ 'provisions'.

¹ Hier. p. 23. Cf. too *wšjt* 'widgeon (?)', WRESZINSKI, *Atlas* i. 27. ² BH. i. 27. ³ Eb. 89, 3, where the generalized det. G 41 is used. ⁴ Gemn. i. 11. ⁵ Urk. iv. 1165, 13. Sim. ib. 1222, 4. ⁶ For the radical; see *Verbum* i. § 72, 2.

- 43 quail chick¹

For unknown reason, phon. *w*.

¹ Hier. p. 21; Ann. 30, 6.

For , the hieroglyphic adaptation of the hieratic abbreviated form of G 43, see Z 7.

- 44 two quail chicks G 43 Phon. *ww*, ex. *phww* 'end'.
as monogram

- 45 combination of G 43 Phon. *wr*, ex. *wrw* 'soldier'.
and D 36

- 46 combination of G 43 Phon. *msw*, ex. *m mswt* 'anew'.
and U 1

G 47 duckling⁰

Ideo. in 'nestling'. Hence phon. exx. 'male'; *tntst* 'baldachin'. In group-writing (§ 60) is used for .

⁰ JE.A. 27, 133. ¹ Amarn. vi. 27, 7. Sim. M. u K. vs. 2, 2. ² Reading, Sphinx 19, 59. ³ BURCHARDT § 141.

48 three ducklings G 47 Det. in *ss* (*zs?*) 'nest'. Sometimes takes the place of .

¹ O.K., Gebr. i. 5, with the scene. ² D. el B. 131. ³ Urk. iv. 897, 12, qu. p. 96, n. 9.

49 ducks' heads protruding from a pool¹ Ideo. or det. in var. *ss* (*zs?*) 'bird-pool', 'nest'.

¹ See Ti 23; Bersh. i. 20, where the water of the pool is clearly marked. ² Amarn. vi. 16, 19. Sim. s̄y, Urk. iv. 898, 9. ³ Bersh. i. 20.

50 two plovers(?) as monogram In *rhty*² 'fuller', 'washerman'.

¹ BH. i. 29. One bird only, see BH. iii. p. 6; Meir i. p. 23. In spite of the identity of the consonants *rht*, this bird seems to be distinct from the lapwing G 23.

² Reading, MASPERO, *Études Egyptiennes*, i. 91, n. 3; 93, n. 1; AZ. 20, 189.

51 ¹ egret(?) pecking at fish Det. in *hsm* 'catch fish'.

¹ Th. T.S. ii. 5.

52 ¹ goose(?) picking up grain² Det. in *snm* (*snm*)³ 'feed' (trans. vb.).

¹ Puy. 63; cf. Th. T.S. i. 7. ² See the scenes of 'feeding' (*snmt*), *Gemn.* i. 11. 12. ³ With fem. infinitive, hence probably *caus. a-lit.*

53 human-headed bird Ideo. in ¹ *b3* 'soul'. preceded by R 7 ¹ Leyd. Denkm. iv. 37; see AZ. 61, 104.
(Dyn. XVIII)

54 trussed goose or duck Det. in ¹ *wšn* 'wring neck of (birds)', 'offer'. For unknown reason, phon. or phon. det. in *snd*, var. Pyr. ² *snd*, later var. *snd*, 'fear' and derivatives.

¹ Siut 1, 239. ² Pyr. 194.

Sect. H. Parts of Birds

H 1 head of pintail duck In formula of offering as abbrev. of *spdw* 'fowl' (p. 172). Det. in ¹ *wšn* 'wring neck of (birds)', 'offer'. This type may be used for H 2 in transcribing hieratic *mrt* when the crest is absent.²

¹ Sh. S. 145; see Rec. 38, 200. ² Exx. *mr* 'temple', Eb. 58, 22; *mr* 'real', Sh. S. 66; Peas. B 1, 76.

- H 2 head of a crested bird¹ Phon. det. *m̄r*, exx. ² *m̄r* 'temple' (of head), cf. ³ *m̄r* 'real'. Also phon. or phon. det. *wšm*, exx. ⁴ *wšm* 'ear (of corn)'; ⁵ *wšmw* 'vessel (for beer)'. From Dyn. XII in place of as phon. *p̄k* (*p̄k*) in ⁶ *p̄kt* 'fine linen'.
- ¹ Heron (?); but a duck *m̄r* occurs MAR. *Mast.* p. 112. ² *Bersh.* i. 14, 7.
³ See H 1, n. 2. ⁴ *Urk.* iv. 535, 10. ⁵ *Urk.* iv. 828, 7. 16. ⁶ Dyn. XII,
Sinai 53, 14; Dyn. XVIII, *Rec.* 29, 165 (collated).
- 3 ¹ head of spoonbill (*Platalea leucorodia*; Pyr.) Phon. det. *p̄k* (*p̄k*), ex. ² *p̄k* 'p̄k-cake'.
¹ *Pyr.* 378 = *W* 486 (*p̄k*-cake). ² *Sint* 1, 240.
- 4 ¹ G 14 head of vulture ² (*Gyps fulvus*) Phon. det. *nr*, ex. ¹ *nrw* 'terror'. From Dyn. XVIII sportive writing in ² late var. ³ *rmt* 'people'.
¹ *Urk.* iv. 43, 1. ² *Urk.* iv. 965, 10. *Sim. ib.* 138, 15. ³ Reading, *AZ.* 20, 188.
- 5 wing Det. wing, ex. ¹ *dnh*, var. ² *dnh*, 'wing'; fly, exx. ³ *ch̄i* 'fly'; ⁴ *p̄*, 'fly'.
¹ LAC. *TR.* 5, 3. *Sim. Pyr.* 387. ² *Eb.* 88, 13. ³ *Sin.* R 21.
⁴ BUDGE, p. 493, 12.
- 6 feather Ideo. in ¹ var. Pyr. ¹ *šwt* 'feather'. Hence phon. *šw*, ex. ¹ *Šw* '(the air-god) Shu'. Ideo. as substitute for ¹ C 10, in ² varr. ³ ³ *m̄st* 'truth'; in the adjective ¹ *m̄r* 'true' and related words ¹ is not written, nor has it been found in M.E. hieratic in any words from this stem.
¹ *Pyr.* 1566. Reading, see also *Rec.* 38, 62. ² *Rekh.* 10, 21. ³ *Urk.* iv. 411, 4, in *hm-ntr M̄st*.
- 6* ¹ feather as found in hieratic With one or two strokes at side in M. E. hieratic for words from the stem *šw*.
¹ Artificial sign to be used in transcribing from hieratic, see MÖLL. *Pal.* i. no. 237. L. E. hieratic uses H 6 for *M̄st*, *ib.* ii. no. 236.
- 7 claw Phon. *š*, in ¹ *Šjt*² '(the land) Shat'.
¹ *Urk.* iv. 618, 1. ² Reading, *AZ.* 13, 12; *Sphinx* 1, 256. The sign occurs also as det. of *tjft* 'claw' (*Pyr.* 1779) and as a division of the cubit (*PSBA.* 14, 404), in both cases outside our period.
- 8 egg Det. in ¹ *swht* (*swht*)² 'egg'. The hieratic contraction³ of ¹ G 39 found in the inverted M.K. method of expressing filiation (p. 66, top) appears in Dyn. XIX hieroglyphic as the egg ⁴; that sign may be conventionally used in transcribing the instances in M.K. hieratic. In ¹ *p̄t* 'patricians', 'mankind' ⁴ is perhaps derived from an earlier sign for a clod of earth.⁵
¹ *Urk.* iv. 361, 14. ² *Pyr.* 1967. ³ *AZ.* 49, 95. ⁴ GARD. *Sin.* 155. An isolated Dyn. XII instance seems to occur *Sinai* 28. See further F 51, n. 4.
⁵ *AEO.* i. 12*, 18*, 108*.

Sect. I. Amphibious Animals, Reptiles, etc.

- 1  lizard Det. in  ¹ *hntsw* 'lizard';  ² *r̥s(j)* 'lizard'. From the latter, phon. *r̥s* in  var.  var. Pyr.  ³ *r̥s*, 'many' and the related words.
¹ *Eb.* 98, 9. ² Ramesseum medical papyrus, unpublished. ³ *Pyr.* 1146.
- 2  freshwater turtle Ideo. or det. in  var.  ¹ *styw* ³ 'turtle'.
¹ *Eb.* 57, 6. ² *Eb.* 86, 12. ³ Writings with *t* are all late.
- 3  crocodile Ideo. or det. crocodile, exx.  *msh* (*mzh*) ¹ 'crocodile';  *hnty* 'crocodile'; ² however, for the god Sobk the sign  I 5* or  I 4 is perhaps invariably used. Det. greedy, in  ³ *skn* 'lust after';  ⁴ *hnt* 'be greedy'; perhaps also in  ⁵ *rhm* 'voracious (?) spirit'; aggression, in  ⁶ *sd* 'be aggressive', 'angry'. For obscure reason,⁷ phon. *it* in  ⁸ for  *ity* 'sovereign'.
¹ *Rec.* 25, 156. ² *Wb.* iii. 308. ³ *Pt.* 296. ⁴ *Peas.* B 1, 291.
⁵ *Wb.* i. 226. ⁶ *Berl. A.I.* i. p. 258, 12. ⁷ It is just conceivable that by M.K. *sd* had already become *st*, giving rise to the value *tt*. ⁸ *Sh. S.* 24; *Pt.* 7.
- 5*  archaic stone (?) image of a crocodile ¹ Ideo. or det. in  var.  ³ *Sbk* (*Šbk*) '(the crocodile-god) Sobk', Gk. Σοῦχος.
¹ DAV. *Ptah.* i. 9, no. 157. Distinguished from  I 3 also in hieratic, MÖLL. *Pal.* i. no. 242. ² *Pyr.* 456; *Sinai* 23, no. 85. ³ *Sinai* 35, no. 106.
- 4  ¹ crocodile on a shrine Ideo. or det. in  var.  ² *Sbk* (*Šbk*) '(the crocodile-god) Sobk'.
¹ Exx. PETR. *Abyd.* iii. 13; *Sinai* 53, 6.
- 5  ¹ crocodile with inward curved tail Det. in  ² abbrev.  ³ *ssk* (*šsk*) ⁴ 'collect', 'gather together'.
¹ PETR. *Abyd.* iii. 29; *Dend.* 8. ² *Sin.* B 23-4. ³ See n. 1. ⁴ *Pyr.* 735.
- 6  piece of crocodile-skin with spines ¹ Cf.  ² var.  ³ *ikm* 'shield'. Hence (?) phon. *km*, exx.  *Kmt* 'Egypt';  *skm* 'grey-haired'.
¹ *Hier.* p. 23. ² *Sin.* R 159. ³ LAC. *Sarc.* ii. p. 157.
- 7  frog (*krr*) ¹ Det. in  *Hkt* '(the frog-goddess) Heket'. From Dyn. XVIII or XIX sometimes as sportive ideo. for  *w̥hm* *cnb* 'repeating life' as epithet after personal name.²
¹ *Krr* is apparently not known before Dyn. XX. ² *Sphinx* 7, 215.
- 8  tadpole Cf. the O.K. name of a man  ¹ *Hfnr*, i. e. 'Tadpole'. Hence phon. *hfn* in  *hfn* 'one hundred thousand' (§ 259), plur. var. Dyn. XIX  ² *hfnw*.
¹ *Berl. A.I.* i. p. 162. ² L. D. iii. 175, G.

- I 9 horned viper (*Cerastes cornutus*)⁰ Ideo. perhaps in the name of the XIIth nome of Upper Egypt *Dw-ft* 'Mountain-of-the-Horned-Viper', for which a rare var. with *ft* occurs;¹ cf. also demotic *fy* 'viper'. Hence phon. *f*. For *it* 'father' see p. 43, n. 1.
- ⁰ KEIMER, *Études d'Egyptologie*, VII. ¹ SETHE, *Alphabet* 152; cf. the epithet *Dw-ft*, *Pyr.* 1358; see too now *AEO*. ii. 69*, n. 1.
- For see P 9. For see S 30. For see U 35.
- 10 cobra in repose (*Naja haje*, Gk. *ἀσπίς*)⁰ Cf. Pyr. ¹ var. ² *dt*³ 'cobra'. Hence phon. *d*. Sometimes also, by a false archaism, for *d* (§ 19, OBS. 2).
- ⁰ KEIMER, *Études d'Egyptologie*, VII, 41; Miss Murray (*JEA*. 34, 117) prefers to identify with *Naja nigricollis*. ¹ *Pyr.* 2047. ² *Pyr.* 697. ³ Doubtless properly *idt* from the stem *wid*, cf. *Wȝdyt* 'Edjō'. See *AZ*. 55, 89; SETHE, *Alphabet* 157.
- 11 two cobras I 10 Phon. *dd*, ex. ¹ *wddt* 'what had been commanded'.
¹ *Sint* 1, 220.
- For see M 14. For see T 5. For see T 6. For see V 21.
- 12 cobra (erect as on the forehead of the Pharaoh) Det. in ¹ *irrt* 'uræus'. Det. goddesses, especially those to whom the appearance of a snake was attributed, exx. *Wȝdyt* 'Edjō'^{1a}; ² *Nsrt* (*Nzrt*)³ 'the goddess Nesret'.
- ¹ ERM. *Hymn.* 4, 4; see *AZ*. 46, 102; the *οὐραῖος* of HORAPOLLO, *Hieroglyphica*, I. 1. ^{1a} See above, p. 73, n. 1a. ² ERM. *Hymn.* 3, 2. ³ *Pyr.* 194.
- 13 cobra I 12 on the basket V 30 Det. goddesses, exx. ¹ *Wȝd(y)t* 'Edjō'; ² *ntrt* 'goddess'. As an element in the royal title see G 16.
¹ *Urk.* iv. 246, 15. ² *Urk.* iv. 308, 6.
- 14 snake Det. snake, exx. ² *hfsw* 'serpent'; ¹ *ddft* 'snake'; possibly also det. worm, but it is doubtful if *ddft* ever had that usually attributed meaning.³
¹ *Amarn.* iv. 4, 3. ² *Sh. S.* 61. ³ *Sphinx* 4, 147; see too *JEA*. 34, 118.
- 15 alternative form of last Use as last.

Sect. K. Fishes and parts of Fishes

- K 1 a fish (*Tilapia nilotica*; Arabic *bulti*)¹ Det. in ² var. ³ *int* 'the *bulti*-fish'. Hence phon. *in*, exx. *int* 'valley'; *inb* 'wall'.
¹ GAILLARD 89. ² Cairo 584, 10 = PIEHL, *IH*. iii. 75. ³ *Eb.* 71, 20.
- 2 a fish (*Barbus bynni*)² Phon. det. *bw*³ in *bwt* 'abomination'.
¹ Thebes, tomb 83. ² GAILLARD 49. ³ *AZ*. 58, 17.

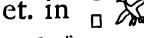
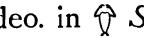
- K 3** ¹ a fish (*Mugil cephalus*; Arabic *būri*)² Det. in ³ *cdw* 'the *būri*-fish'. Hence phon. *cd* (*rd*?)⁴ in the title ⁴ *cd* (?) - *mr*, var. ⁵ *cd-mr*, 'administrator (of a province)', probably lit. 'excavator of canal(s)'.
- ¹ *D. el B.* 109. ² *GAILLARD* 93. ³ *Eb.* 82, 9. ⁴ *Dyn. XVIII, D. el B.* 109; O.K., *Urk.* i. 5, 17; II, 10. ⁵ *Urk.* iv. 952, 13. The writing in *GARD. Sin.* 152 is not quite conclusive for the O.K. reading.
- 4** ¹ oxyrhynchus fish (*Mormyrus kannume*)² Ideo. in ³ *hst* 'oxyrhynchus'. Hence phon. *hst*,⁴ exx. var. Pyr. ⁵ *hst* 'corpse'; ⁶ *hst*, var. ⁷ *hst*, 'widow'.
- ¹ *D. el B.* 152. ² *GAILLARD* 26. ³ *Tf* 111, fem.; the *t* is written in the tomb of Mereruka, A 13, east wall. ⁴ Reading, *Verbum* i. p. 156, top. ⁵ *Pyr.* 474. ⁶ *BH.* i. 8, 20. ⁷ *Siu* 3, 5.
- 5** ¹ a fish (*Petrocephalus bane*)² Phon. det. *bs* (*bz*) in *bs*, var. O.K. ³ *ibz*, 'introduce', 'enter'. A very similar fish is used as generic det. fish, ex. ⁴ *rmw* 'fish'; fishy smell, ex. ⁵ *lns* 'stink'.
- ¹ *Ex. Rekh.* 10. ² *GAILLARD* 17. The characteristics are shown in earlier forms, *Bull.* II, 41. ³ *Urk.* i. 87, 17. ⁴ *Urk.* iv. 954, 7. ⁵ *Hearst* 2, 17.
- 7** a fish (*Tetradon fahaka*)¹ Det. of ² *špt* 'be discontented'.
- ¹ *GAILLARD* 97. ² *Brit. Mus.* 159.
- 6** ¹ fish-scale (also written)² Ideo. or det. in ³ var. ³ *nšmt* 'fish-scale'.
- ¹ Leyd. *Denkm.* ii. 5; not to be confused with L 6. ² *M. u. K.* 1, 2; see *Rec.* 38, 62. ³ Leyd. *Denkm.* ii. 5.

Sect. L. Invertebrata and Lesser Animals

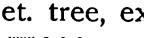
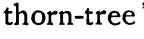
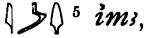
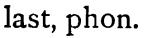
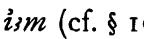
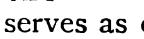
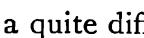
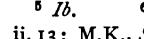
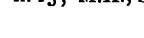
- L 1** dung-beetle (*Scarabaeus sacer*) Ideo. in ¹ var. Pyr. ² *hprr* 'dung-beetle'. Hence phon. *hprr* in var. Pyr. ³ *hprr* 'become' and derivatives.
- ¹ *Eb.* 88, 13. ² *Pyr.* 697. ³ *Pyr.* 212.
- 2** bee Ideo. in ¹ *bit* 'bee'; also in ² *bit*³ 'honey'. Hence phon. *bit*³ in var. Pyr. ⁴ *bit(y)* 'king of Lower Egypt'. For *n-sw-bit* 'king of Upper and Lower Egypt' see § 55 and p. 73.
- ¹ *P. Kah.* 3, 2. ² Coptic *ebiō*. ³ Reading, *AZ.* 30, 113. ⁴ *Pyr.* 724.
- 3** ¹ fly Det. in ² *eff* 'fly'.
- ¹ From a gold fly given as an honorific decoration, BISSING, *Thebanische Grabfunde* 6; see *PSBA.* 22, 167. ² *Urk.* iv. 39, 1; 893, 12; see *AZ.* 48, 143.
- 4** ¹ common locust (*Acridium peregrinum*) Det. in *snhm* (Pyr. *znhm*)² 'locust'.
- ¹ SCHIAPARELLI, *Relazione . . . lavori d. Miss. Arch.* ii. p. 171, fig. 156. ² *Pyr.* 891.

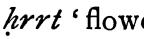
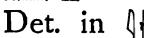
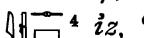
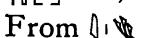
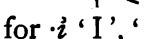
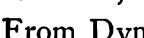
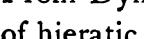
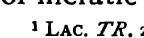
Sign-list

EGYPTIAN GRAMMAR

- L 5  centipede Det. in  ¹ *sps* (Pyr. *zps*)² 'centipede'.
¹ *AZ.* 58, 82. ² *Pyr.* 669.
- 6  bivalve shell¹ For unknown reason, phon. *b3*, in M.E. only in  ² *b3t*, var.  ³ *b3wt* 'table of offerings'.
¹ *BH.* iii. p. 14. Not to be confused with the fish-scale  *K* 6. ² *Urk.* iv. 163, 7. Reading, see *Sah.* 63; *Pyr.* 58. ³ *Siat* 1, 240.
- 7  ¹ scorpion (modified for Ideo. in  *Srkt* '(the scorpion-goddess) Serket', full name in Pyr.  ³ *Srkt-htw* 'she-who-relieves-the-wind-pipe'.
superstitious rea-
sons)²
¹ Exx. *Sinai* 85, 143; *Five Th. T.* 9. ² *AZ.* 51, 49-57. ³ *Pyr.* 606; see *PSBA*. 39, 34.

Sect. M. Trees and Plants

- M 1  tree Det. tree, exx.  *nht* 'sycamore-fig', 'tree', plur. often  *nhwt*;  *mnw* 'trees';  *nbs* 'Christ's thorn-tree', 'nebk-tree';  *ism*, varr. Pyr.  ⁴ *ism*,  ⁵ *ims*,  ⁶ *im(s)*, unidentified tree. From this last, phon. *ism*, *im*—writings with  are best transcribed *ism* (cf. § 19, OBS. 1)—exx.  ⁷ *ismt* 'charm', 'favour';  ⁸ *ism(w)* 'tent'. The rather similar sign which serves as det. in  ⁸ *mer* 'fortunate' may well depict a quite different object.
¹ *Urk.* iv. 1064, 8. ² *Urk.* iv. 353, 3. ³ *Urk.* iv. 73, 14. ⁴ *Pyr.* 699.
⁵ *Ib.* ⁶ *Ib.* ⁷ *Urk.* iv. 325, 12. ⁸ *D. el B.* 57, 4; cf. O.K., *Gebr.* ii. 13; M.K., *Siat* 3, 8; later the det. of *mer* resembles V 29, see on this.

- 2  herb Det. plant, flower, exx.   ¹ *isrw* 'reeds';  ² *hrrt* 'flower'. From  ³ *hni* 'rush', phon. *hn*, exx.  ⁴ *hnw* 'vessel';  ⁵ *hnkt* 'lock' (of hair). Det. in  ⁶ *isi* 'be light' (perhaps like  ⁷ *isw* 'reeds'); hence phon. det. *is*, exx.  ⁸ *isy*, var. O.K.  ⁹ *iz*, 'tomb', 'chamber';  ¹⁰ *iswt* 'old times'. From  ¹¹ *i* 'reed' (see on M 17) rarely as sportive writing for *i* 'I', 'my' ; hence also for  as det., ex.  ¹² *s* 'man'. From Dyn. XVIII on sometimes as faulty transcription of hieratic  ¹³ *T* 24 in  ¹⁴ *ihwty* 'tenant farmer'.

¹ LAC, *TR.* 22, 63. ² VOG, *Bauer* 121. ³ *Urk.* iv. 132, 11. ⁴ *Urk.* i. 16, 4.
⁵ *BH.* i. 25, 45. ⁶ *Urk.* iv. 77, 5-6, qu. § 440, 2; sim. *ib.* 401, 16. ⁷ *Ib.*

⁸ PETRIE, *Tarkhan* i. 80, 19; *Med. Habu* (ed. Chicago), 140, 60.

M 3 branch

Ideo. in *bt* 'wood', 'tree'; hence phon. *bt*, exx. *htyw* 'terrace'; *nbt* 'strong'. Det. wood, ex. *hbny* 'ebony'; wooden objects, exx. *wbs* 'column'; *kniw* 'palanquin'. Vertically in *dr*, var. *dr*, 'search out', lit. perhaps 'harpoon' (vb.);⁵ here is probably corruption of an old sign or .

¹ Urk. iv. 765, 13. ² Westc. 7, 12. ³ Urk. iv. 384, 12. ⁴ Thebes, tomb 110.⁵ Cf. *dt rmw* 'spear fish', P. Kah. 33, 16. ⁶ Pyr. 1105 in *dtbw* 'curly'.4 { palm-branch stripped of leaves and notched (rare var. ¹) to serve as tally^{1a}

Det. in *rnp̄i* 'be young', 'vigorous'. Hence *rnp̄* in var. Pyr. *rnp̄t* 'year', with ideographically as symbol; with similar sense ideo. in *bst-sp̄* 'regnal year' (p. 204) and in *sntf* (from *sn-nw-f* 'its second') 'last year'. Possibly ideo. of time (if not phon. det.) also in *tr* 'time', 'season', where it usually appears in the form or . Elsewhere also is an occasional substitute for , , or .

¹ BH. i. 8. ^{1a} JEA. 34, 119, cf. HORAPOLLO I, 3 *phiouka*; in pictorial representations always with many notches, e.g. JEA. 4, Pl. 4; 30, Pl. 4; MORET, *Royaute Pharaonique*, figs. 17, 18, 19. ^{1b} Pyr. 963, as designation of Sothis; Coptic *romp̄* 'year'. ^{1c} Adm. p. 102. ² Written *trw*, Urk. iv. 195, 4. ³ In *p̄ir* 'see', Siut 1, 220; Cairo 20538, i. c 3; *rnp̄t* 'vegetables', 'fruit', ib. ii. c 25.

5 { combination of and

With sportive ideographic intention (palm-branch planted in in Pyr. , var. , 'season').¹ Hence (see on M 4 for) becomes in M.E. characteristic det. in abbrev. *tr* 'season'. However, M 6 is a commoner substitute for , though interchanges with in some uses really belonging only to the latter, exx. *pri* 'battlefield'; *T3-mri* 'Ta-meri', i.e. Egypt.

¹ SETHE, *Pyramidentexte* iv. § 132. ² Urk. iv. 384, 9. Sim. plur. *tr(w)*, Sinai 90, 19. ³ Sinai 90, 3. 11; Ikhern. 14. ⁴ Urk. iv. 32, 10. ⁵ Urk. iv. 102, 11.

6 { combination of and

With sportive ideographic intention in Pyr. *tr* 'season'. In M.E. det. in abbrev. *tr* 'season'. Hence phon. det. *tr*, *t̄i*, exx. *tr* 'pray' (§ 256); *ltr* 'assess' (taxes); also phon. det. *ri*, exx. *pri* 'battlefield'; *T3-mri* 'Ta-meri', i.e. Egypt.

¹ SETHE, *Pyramidentexte* iv. § 132, where a word *rr* 'season' is perhaps unnecessarily assumed. ² Urk. iv. 343, 13. ³ Urk. iv. 195, 8. ⁴ Rekh. 3, 28.⁵ Urk. iv. 38, 11. ⁶ Urk. iv. 325, 15. (*Pi*)-*tr-mri* is *Πτιμύος* in a fragm. of Ephorus, there wrongly given as a name of the Delta only, GARD. *Sin.* 81.

- M 7 { combination of § M 4 With sportive ideographic intention in Pyr. *rnp̩i* 'be young', 'vigorous'.¹ Hence, in M.E., ideo. or det. in var. ² *rnp̩i* 'be young' and derivatives.
 and □ Q 3
- ¹ SETHE, *Pyramidentexte* iv. § 132. ² Amarn. v. 27; Q II. ³ Urk. iv. 182, 17. More often thus abbreviated in *rnpt* 'vegetables', 'fruit', *Th. T. S.* i. 14; *Urk.* iv. 1167, 10.
- 8 pool with lotus flowers Ideo. in var. Pyr. ¹ *ss*, 'lotus pool', 'meadow'. Hence phon. *ss*, exx. *ss* 'appoint', 'command'; *ssd* 'dig'. In group-writing (§ 60) or is used for *ss*.³ From Pyr. ⁴ *ish̩i* 'be inundated', ideo. or semi-ideo. in var. ⁵ var. O.K. ⁶ 'inundation season' (p. 203).
- ¹ Exx. *Rec.* 24, 180, where the reading *sh* is unnecessarily assumed. ² Pyr. 1223. ³ BURCHARDT § 110. ⁴ *Wb.* 33. ⁵ Urk. i. 25. ⁶ Reading, *AZ.* 38, 103; 41, 89.
- 9 lotus flower Ideo. or det. in ¹ *sšn*, var. Pyr. ² *zššn*, var. M.K. ³ 'lotus'.
¹ *Eb.* 44, 21; *Urk.* iv. 1162, 9. ² Pyr. 266. ³ Cairo 20093, c.
- 10 ¹ lotus bud Det. in ² *nhbt* 'lotus bud'.
¹ Thebes, tomb 55. ² Urk. iv. 918, 12.
- 11 flower on long twisting stalk¹ Ideo. or det. in var. ³ *wdn* 'offer'. In late Dyn. XVIII also erroneously in place of = F 46 as det. in ⁴ *w(s)d bw* 'shores'.
¹ *Hier.* p. 28. The forms in Pyr. do not suit this interpretation very well. ² Pyr. 52. ³ Urk. iv. 452, 3. Sim. Pyr. 1127. ⁴ Amarn. iii. 20.
- 12 leaf, stalk and rhizome of lotus⁰ Ideo. in ¹ *h̩rw nw sšn* 'lotus plants'. Hence phon. *h̩s*, exx. *h̩s* 'thousand'; var. ² *sh̩s* 'remember'. In group-writing (§ 60) or is used for *h̩s*.
⁰ Ann. 48, 92. ¹ *Eb.* 43, 6. ² *Siu* 1, 267. ³ BURCHARDT, § 100.
- 13 stem of papyrus Ideo. in ¹ *w̩d* 'papyrus column', cf. Pyr. ² *w̩d* 'papyrus'. Hence phon. *w̩d* in var. Pyr. ³ *w̩d* 'be green' and derivatives. From M.K., phon. *w(s)d* as substitute for § V 24, exx. ⁴ *sw(s)d*, older var. ⁵ *swd*, 'hand over', 'bequeath'; ⁵ *w(s)d h*, var. Pyr. ⁶ *wdh*, 'pour out'.
¹ Urk. iv. 843, 10. ² Pyr. 1875. ³ Pyr. 1530. ⁴ Urk. iv. 55, 10. ⁵ Eb. 94, 13. ⁶ Pyr. 2067.
- 14 combination of § M 13 and § I 10 Phon. *w̩d*, *w(s)d*, exx. ¹ *W̩d-wr* 'the sea', lit. 'the great green'; ² *sw(s)d* 'hand over', 'bequeath'.
¹ Sh. S. 40-1. ² Urk. iv. 121, 8.

- M₁₅ clump of papyrus with buds bent down Det. papyrus and watery regions, exx. *idhw* 'swamps' (of the Delta); *dyt* 'papyrus-marsh'. Phon. det. *wsh* in ¹ *wsh(y)* 'hall of the Inundation' from the Pyr. stem ² *ishi*, whence ^{3a} *sh* 'thicket' (of papyrus). Hence phon. *sh* (or ideo.?) in ^{3b} var. Pyr. ^{3c} *sh-bit* 'Chemmis' (a Delta place), possibly understood as 'Papyrus-thicket of the King of Lower Egypt'.^{3d} Det. in varr. ^{3e}, *T3-mhw* 'Lower Egypt', 'the Delta',⁴ whence ⁵ *mh-s* 'the crown of Lower Egypt'.⁶
- ¹ *Bull. Metr. Mus. New York*, 1914, 219. ² *AZ.* 40, 48. ³ *Pyr.* 280. ⁴ *Coffins*, S 2 C 207. ⁵ *ERM. Hymn.* 15, 1. ⁶ *Pyr.* 2190; without inversion, *JEA.* 24, Pl. II, 3, 6. ^{3d} See, however, *JEA.* 30, 54, n. 3. ⁴ *AZ.* 44, 10. ⁵ *Ib.* 20.
- 16 clump of papyrus Phon. *hs*, exx. var. ¹ *hs* 'would that!' (§ 238); ² *hsk* 'capture'. In group-writing (§ 60) or is *h*.² As O.K. det. in ³ *T3-mhw* 'the Delta' and related words is often replaced in M.E. by M 15, but exx. with are still fairly common,⁴ exx. ⁵ *T3-mhw* 'the Delta'; ⁶ *mh-s* 'crown of Lower Egypt'.⁶
- ¹ *Brit. Mus.* 562, qu. § 364. ² *BURCHARDT* § 94. ³ *Urk.* i. 64, 8; 101, 11. ⁴ *AZ.* 44, 10. ⁵ *Louvre C* 172; *Urk.* iv. 583, 7. ⁶ *Brit. Mus.* 574, 6.
- 17 flowering reed Ideo. in ¹ *i* 'reeds'. Hence phon. *i*. For see § 20.² In group-writing (§ 60) corresponds to Hebr. to .³
- ¹ *Bersh.* ii. p. 19. *Sim. Eb.* 49, 2. ² See the full discussion *Verbum* i. §§ 121–4. ³ *BURCHARDT*, § 16; cf. *ALBRIGHT*, *Vocalization*, pp. 33–4; 36–7.
- 18 combination of M 17 and D 54 In ¹ *ii* 'come' and the related words.
- 19 heaped conical cakes between reed M 17 and sign like U 36⁰ Det. in ¹ abbrev. ² *sbt* 'offering', 'pile of offerings' and the related verb.³
- ⁰ *DAV. Rekh.* Pl. 49; p. 44, n. 5. ¹ *LAC. TR.* 14, 7. ² *Urk.* iv. 769, 3. ³ *Wb.* i. 167.
- 20 reeds growing side by side Ideo. or det. in varr. ¹ *sm* (*sh*)¹ 'marshland', 'country' and its derivative ² *sm* 'peasant'. Occasionally phon. *sm* (*sh*) like M 21, ex. ² *sm* 'occupation', 'pastime'.
- ¹ *Pyr.* 275. ² *Urk.* iv. 462, 13. *Sim. sm* 'succour', *Dend.* 15, 15.

Sign-list

EGYPTIAN GRAMMAR

- M 21** like the last, but with a loop at the side Ideo. or semi-ideo. in ¹ *sm*, var. Pyr. ² *sm*, 'herb', 'plant'. Hence phon. *sm* (*sm*), ex. ³ *sm* 'succour'.
- ¹ *Urk.* iv. 775, 15. ² *Pyr.* 1722. ³ Brit. Mus. 1164, 1, where the form is almost like D 61. But see *Pyr.* 892.
- 22** rush with shoots Cf. Pyr. ¹ *nḥbt* 'germination', 'shooting up'. Hence phon. *nḥb* in var. Pyr. ² *Nḥbt* '(the vulture-goddess) Nekhbet'.
- ⁰ According to LORET in *Griff. Stud.* 308 the marsh club-rush (*Heleocharis palustris*). ¹ *Pyr.* 4; *Sah. Text.*, p. 109. ² *Pyr.* 1229.
- (22) two rushes with shoots Cf. Pyr. ¹ *nnt* 'rushes'. Hence is phon. *nn*, exx. var. *nn* 'this' (§ 110); ² *nni* 'be weary'.
- ¹ *Pyr.* 557.
- 23** plant regarded as typical of Upper Egypt (probably form of M 26, but without flowers) Ideo. in *swt* (*swt*) 'the *swt*-plant'.¹ Hence phon. *sw* (*sw*),² ex. *swt* 'but' (§ 254). The word var. ³ 'king of Upper Egypt' probably originally read *nī-swt* 'he who belongs to the *swt*-plant', but before M.K. had become *nsw* (*nzw*); 'kingship' is perhaps to be read *nsyt*. For *n-sw-bit* 'king of Upper and Lower Egypt' see § 55. Sometimes is inaccurately used for M 24 or M 26.⁴ In group-writing (§ 60) stands for *s*.⁵
- ¹ *AZ.* 49, 18. ² Reading from O.K. varr. of *smsw* 'elder'; also from other words cited *Wb.* iv. 60, 2; 65, 13; 74, 2; cf. too the exceptional writing of *swsht* 'make broad', *Ikhern.* 24. ³ *AZ.* 49, 15; *Ree.* 38, 69. ⁴ *AZ.* 44, 22. ⁵ BURCHARDT § 106.
- 24** combination of M 23 and D 21 With sportive pictorial intention (plant *swt* growing from mouth *r*),¹ phon. *rsw* in Pyr. ² *rswt* 'South' and the related words.³ In M.E. 'South' is *rsy*.
- ¹ SETHE, *Pyramidentexte* iv. § 132. ² *Pyr.* 470. ³ *AZ.* 44, 1.
- 25** confusion of M 24 and M 26¹ Faulty writing either for words connected with *rswt* 'South', ex. ² *rsyw* 'southerners', or for words connected with ³ *śmrw* 'Upper Egypt', ex. ³ *it śmr* 'Upper Egyptian corn'.
- ¹ *AZ.* 44, 22. ² *Urk.* iv. 909, 3. ³ *PSBA.* 18, 196.

- M 26 sedge(?)⁰ growing from a sign for land resembling — N 17 Probably as a flowering specimen of M 23, ideo. in var. ² Šmrw 'Upper Egypt', the reading of which is given by var. O.K. ⁴ Šmr 'make music'. Hence phon. Šmr in ⁵ Šmryt 'chantress', 'singer'.
- ⁰ See above, p. 73, n. 10. Depicted as a desert plant, JÉQUIER, *Monument funéraire de Pépi III*, ii, Pl. 43. Identified with M 23, but with flowers, *Mitt. Kairo* 12, 80. ¹ BH. i. 26, 127; see AZ. 44, 9. ² Urk. iv. 583, 2; 617, 14. ³ BH. ii. 7. ⁴ Gebr. ii. 7. ⁵ Cairo 20142, d.
- 27 combination of M 26 and D 36 In ¹ Šmr(w) 'Upper Egypt'. Also phon. Šmr in ² Šmryt 'chantress', 'singer'.
- ¹ Urk. iv. 530, 12. ² Th. T. S. iii. 14.
- 28 combination of M 26 and V 20 In the title varr. ¹, ² wr mdw Šmr(w) 'greatest of the tens of Upper Egypt'.¹
- ¹ AZ. 44, 18; SETHE, *Zahlwörter* 40, n. 7. Some varr. have M 23 instead of M 26.
- 29 pod from some sweet-smelling tree¹ Cf. ² ndm 'ndm-tree'. Hence semi-phon. ndm in var. Pyr. ³ ndm 'sweet' and the related words. The tree or wood ⁴ var. ⁵ ssndm is possibly a later deformation of an O.K. word ⁶ ssd or ⁶ ssdm.⁶
- ¹ Hier. p. 26. ² Urk. iv. 73, 14. Formerly taken to be the 'carob-tree', but see AZ. 64, 51. ³ Pyr. 1172. ⁴ Westc. 7, 13. ⁵ Ikhern. 12. ⁶ Wb. iv. 279, 7.
- 30 a sweet-tasting root? Ideo. or det. in var. ¹ bnr 'sweet' and derivatives.
- ¹ Urk. iv. 749, 5.
- 31 ¹ stylised rhizome of a lotus (Dyn. XVIII) Det. in rd 'grow'.
- ¹ Very variable in shape, exx. Urk. iv. 749, 5; CARTER and NEWBERRY, *Tomb of Thoutmosis IV*, 46160. The explanation here substituted for 'plants growing in a pot?' of the 1st ed. is that given by KLIMER, Ann. 48, 89.
- 32 ¹ Dyn. XII var. of last Use as last. A similar sign sometimes in hieratic erroneously borrowed from rd 'grow' in ² r(w)d 'be strong'.²
- ¹ Bersh. ii. 21. ² Sin. B 76. 108; one would have expected T 12.
- 33 grains of corn (also written or) Ideo. in var. Pyr. ¹ it 'barley', 'corn' and its varieties ² it Mh 'Lower Egyptian corn' and ³ it Šmr 'Upper Egyptian corn'.² Det. corn, ex. ⁴ ⁵ Npri '(the grain-god) Neprī'.
- ¹ Compare Pyr. 1748 with ib. 1950. ² AZ. 44, 19. ³ Mill. 2, 12.
- 34 bearded ear of emmer Ideo. or det. in ¹ bdt, var. ¹ bty, 'emmer'.
- ¹ Already Dyn. XI, PSBA. 18, 202, 9. Sim. BH. i. 8, 21.
- 35 heap of corn Det. in ¹ r̄hw 'heaps'; also in ² wbn 'overflow'.
- ¹ D. el B. 79. Sim. ib. 74. ² Puy. 36.

Sign-list

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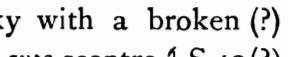
- M36 bundle of flax stems showing the bolls¹ (sometimes misinterpreted¹) Phon. *dr*,² exx. *dr* 'since' (§ 176); *ndri* 'hold fast'. Det. in *dms* 'bind together'.
¹ See the picture *Paheri* 3. ² Dyn. XII, *Meir* ii. 17, no. 30. ³ Reading, *Pyr.* 582 (*dr* 'hand'). ⁴ *Urk.* iv. 612, 15, but rather different from *dr*, *ib.* 9.
- 37 bundle of flax stems (O.K. form of M36) Phon. *dr* like M 36.
¹ Exx. Dyn. V, *Sah.* 28; *Genn.* i. 13; Dyn. XII, *Meir* ii. 17, no. 28.
- 38 bundle of flax (O.K.; specialized variant of M 37) Det. in O.K. *mhc* (?)² var. Dyn. XII *mch* (?)³, *mh* (?)⁴, 'flax' and in *dms* 'bind together'.
¹ MONTET 194. ² Reading, *Rec.* 25, 159. ³ BH. i. 29. ⁴ *Sah.* 8; Dyn. XVIII form differs slightly from M 36, see there n. 3.
- 39 basket of fruit or grain Det. vegetable offerings, ex. *rnpt* 'vegetables', 'fruit'.
¹ Exx. O.K., *Medum* 16 (*dyb* 'figs'); Dyn. XVIII, *D. el B.* 93 (*rnpt*, *hnkt*).
- 40 bundle of reeds Cf. *isw*² 'reeds'. Hence phon. *is* (*iz*), exx. *is* (*iz*)³ 'tomb'; *iswt*⁴ 'crew'.
¹ Elaborate forms, O.K., *Medum* 13; Dyn. XVIII, *Puy.* 20. ² Eb. 19, 13. ³ Ex. O.K., *Urk.* i. 16, 4. ⁴ Sh. S. 7; *Rec.* 28, 113.
- 41 log of wood stripped of its branches (Dyn. XVIII)¹ Det. wood, exx. *rs* 'cedar' (properly 'pine' or 'fir'); *wrn* 'juniper (?)'; *mr(w)* 'meru-wood'.
¹ See *Ann.* 16, 33. O.K. forms, see *Pyr.* 590. 634; Palermo stone, 6, 2-4. ² *Urk.* iv. 373, 4.
- 42 flower? Phon. *wn*,¹ exx. *wndw* 'short-horned cattle'; *hwn*² 'be young'; *wnm*³ 'eat'. Not distinguished from *Z* 11 in the earliest hieratic, and replaced by the latter sign in M.K. hieratic,⁴ as also regularly in later hieroglyphic.
¹ See *Sitz. Berl. Ak.* 1912, 960. ² *Urk.* iv. 716, 7. ³ *Urk.* iv. 365, 17. ⁴ Brit. Mus. 614, vert. 2; see *Rec.* 34, 214. ⁵ LAC. *TR.* 22, 9; see *AZ.* 46, 141. ⁶ MÖLL. *Pal.* i. no. 564.
- 43 vine on props (var. of M43) Det. vine in *i(s)r(r)t*, var. O.K. *irrt*, 'vine'; various notions connected with the vine, exx. *irp*² 'wine'; *kmy*⁵ 'gardener'; fruit generally, exx. *dsb* 'figs'; *isdt*⁶ 'isdt-fruit'.
¹ Thus with a vessel or basket Dyn. XII, BH. i. 17 (*irp*); Dyn. XVIII, *D. el B.* 112 (*irp*); *Puy.* 12 (*kmy*). In O.K. and often later the vessel or basket is absent, see DAV. *Ptah.* i. 10, nos. 166, 173. ² *Urk.* iv. 73, 11. ³ *Urk.* i. 103, 14. ⁴ BH. i. 17. ⁵ Cairo 20167, b 2. ⁶ BH. i. 29. ⁷ *Sin.* B 81. ⁸ Eb. 86, 1.
- 44 thorn¹ Det. in *srt* 'thorn'. Possibly it is the same sign, if not a mere triangle, which serves as ideo. or det. in *spd* (*spd*)² 'sharp' and the related words.
¹ *Rec.* 28, 167. ² Eb. 88, 4. ³ *Urk.* iv. 535, 10. ⁴ *Pyr.* 1159.

Sect. N. Sky, Earth, Water

N 1  sky

Ideo. or det. in  var.  *pt* 'sky'. Det. sky, exx.  *Nwt* '(the sky-goddess) Nut';  var. Pyr.  *hrt* 'heaven', lit. 'the distant one'; high, in  *rh̄i* 'hang'. In  var. O.K.   *In-hrt* '(the god) Onūris'  is a later interpretation, since the name originally meant 'he who fetched the distant one (fem.)'.⁵ From *hrt* 'heaven', phon. *hry*, *hrw* in  var.  *hry* 'above' and the related words. In two words for 'gate'  is derived from earlier signs for a gateway like  or , namely in  *rwty* 'the double gate' and in  *ht*, var.  *hyt*, var. O.K.  *ht*, 'portal', whence the title  var.  *smsw hyt* 'elder of the portal'. There is perhaps a similar contamination in  *hst* 'ceiling'.¹²

¹ Pyr. 1171. ² Amada 18. ³ Cairo 20057, a. 2; 20380. ⁴ Gebr. i. 18.
⁵ Unt. 5, 142. ^{6a} *Rwt*, see *Wb.* ii. 404, 1. ⁶ *Sin.* R 9. ⁷ Cairo 20230, a.
⁸ See n. 11. ⁹ Leyd. *Denkm.* i. 5. ¹⁰ Cairo 20035, h; 20086, h. r.
¹¹ AZ. 60, 64. ¹² Urk. iv. 429, 7.

2  ¹ sky with a broken (?)
 wss-sceptre 
 suspended from it
(Dyn. XVIII)

Det. night, exx.  abbrev.  ² *grh* 'night';  ³ *wb* 'night'; darkness, exx.  *kkw* 'darkness';  *rh̄w* 'dusk'.

¹ Thebes, tomb 93. ² Cairo 20738, b. ³ *Sint* 3, 10, qu. § 212. ⁴ *Sin.* B 254.

3 

Use as last.

¹ Pyr. 265. According to the ingenious theory of Mlle M. CHATELET an oar (or sceptre, N 2) suspended from the sky broken and bound up to symbolize darkness, *Bull.* 18, 21.

4  moisture falling from
 the sky (Dyn. XVIII)

Ideo. or det. dew, rain, exx.  ¹ *idt*, var.  ² abbrev.
 ³ *idt*, 'dew';  ⁴ *šnyt* 'rain-storm'.

¹ D. el B. 47. ² Eb. 77, 21. ³ Eb. 6, 9. ⁴ BUDGE, p. 481, 4.

5  sun

Ideo. or det. in  var.  *rc* 'sun', 'day';  var.  *hrw* 'day';  in dates reads *sw* (p. 203). Det. sun or actions of sun, exx.  *šw* 'sun';  *wbn* 'rise'; day, exx.  *sf* 'yesterday';  *wr̄s* 'spend all day'; time generally,¹ exx.  *wnwt* 'hour';  *ch̄w* 'period';  *(n)hh* 'eternity'. For  see N 23.

¹ Development of this use, see SETHE, *Zeitrechnung* (II), 29.

Sign-list

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- N 6 ☰ sun with uraeus (Dyn. Ideo. or det. in ☰¹ var. ☰² *rr* 'sun'.
XVIII) ¹ *Wesk.* II, 5. ² *Ex.* p. 291.
- 7 ☱ combination of ☰ N 5 Abbrev.¹ for ☱ ☱ ☱ *hrt-hrw* 'day-time', 'course (of day)',
and ☱ T 28 lit. 'what belongs to the day'.
¹ *Ex. Urk.* iv. 99², 4.
- 8 ☰ sunshine Det. (or ideo.) sunshine, exx. ☱ ☱¹ var. ☰ ☱² *shw* (Pyr.
ishw) 'sunshine'; ☱ ☱³ *psd* 'shine'; ☱ ☱⁴ *wbn* 'rise'.
From this last, phon. *wbn* in ☰⁵ var. ☱ ☱⁶ *wbnw*
'wound'. Phon. *hnmmmt* in ☱ ☱ ☱⁷ var. ☰⁸ var.
Pyr. ☱ ☱ ☱⁹ *hnmmmt* 'the sun-folk' of Heliopolis.
¹ *Urk.* v. 55, 9. ² *Urk.* iv. 19, 11. ³ *Urk.* v. 55, 4. ⁴ *Urk.* iv. 585, 12.
⁵ *Eb.* 107, 5. ⁶ *Eb.* 67, 1. ⁷ *Urk.* iv. 17, 7. ⁸ Cairo 20498. ⁹ *Pyr.* 139.
- 9 ☴ moon with its lower Ideo. or det. in ☴ ☱² *psdntyw*, varr. ☴ ☱³ *psdn*,
half obscured (Dyn. var. Pyr. ☴⁵ *psdtyw*, 'New-moon festival'. Hence phon.
XVIII)¹ det. *psd* in ☴⁶ *psdt*⁶ 'divine ennead', 'company of nine
gods'. This sign is liable to confusion with the loaf ☵ X 6.
¹ Cairo 34002 = LACAU, Pl. 3. Sim. *BH.* i. 24, 1. ² *Urk.* iv. 177, 9. ³ *Urk.* iv.
27, 4. ⁴ *Urk.* iv. 836, 1. ⁵ *Pyr.* 794. ⁶ Reading, *AZ.* 47, 8.
- 10 ☺ alternative form of last Use as last.
(Dyn. XVIII)¹ ¹ MÖLL. *Pal.* ii. no. 573.
- 11 ☪ crescent moon (also vertically)¹ or (² when used as det.) Ideo. or det. in ☪ ☪ varr. ☪ ☪, ☪ *irh* 'moon'; hence phon. det. or abbrev. in ☪ ☪³ var. ☪⁴ *wrb* 'carob beans'. Combined with ✳ N 14, ideo. in ✳ ☪ var. ✳
sbd 'month'; for the reading cf. an O.K. personal name
☒⁵ *sbdw* and Saqidic *eböt* 'month'; in dates abbreviated as ☪, ex. ☪⁶ *sbd* 3 'month 3' (§ 264). In ☪⁷ abbrev. ☪ *sph* 'palm' (as measure § 266, 1) the sign has doubtless a different pictorial origin.⁶ In some inscriptions ☪ is written for ☪ *spr*, F 42.⁷
¹ *Pyr.* 732. ² *Pyr.* 1104; *Urk.* iv. 813, 5. ³ *Rec.* 25, 155. ⁴ *Rekh.* 12;
cf. *Eb.* 14, 8. ⁵ See *Wb.* i. 8; nevertheless the usual reading *tbd* is retained *ib.* i. 65.
⁶ MÖLL. *Pal.* i. no. 680; ii. no. 680. ⁷ *Paheri* 5, row 3.
- 12 ☪ alternative form of last In ☪¹ varr. ☪² ☪³ *irh* 'moon'.
(Dyn. XVIII) ¹ *Urk.* iv. 808, 4. ² *Urk.* iv. 12, 15; 14, 7. ³ *Urk.* iv. 30, 4. 13.
- 13 ✳ combination of half of Ideo. in ✳¹ var. ✳² . . . *nt*³ 'half-month festival'.
☞ N 11 and ✳ N 14 ¹ *Urk.* iv. 112, 8. ² *BH.* i. 24. ³ Reading unknown, see *Wb.* ii. 198, 2; iv. 147, 1.

N 14 ⋆ star

Ideo. or det. in ⋆ var. ⋆ *sbs*, var. Pyr. ⋆¹ *sbs*, 'star'; hence phon. or phon. det. *sbs* (*sbs*), exx. ⋆² ⋆³ var. ⋆⁴ *sbs* 'teach' (with derivatives); ⋆⁵ ⋆⁶ *sbs* 'door'. Det. star, constellation, exx. ⋆⁷ ⋆⁸ ⋆⁹ *Mshtyw* 'the Great Bear'; ⋆¹⁰ *Spdt* 'Sothis'; time as indicated by stars, exx. ⋆¹¹ *sbd* 'month', see N 11; ⋆¹² ⋆¹³ var. ⋆¹⁴ *wnwt* (1) 'hour', (2) 'priesthood'. Also semi-phon. *dws*, exx. ⋆¹⁵ *dws* 'morning'; ⋆¹⁶ var. Pyr. ⋆¹⁷ ⋆¹⁸ *dws* 'adore' (in the morning). In the word ⋆¹⁹ 'netherworld' (originally the place of the morning twilight,⁵ popularly known as 'the Duat' and in this work still transliterated *dwt*) the very common Pyr. var. ⋆²⁰ ⋆²¹ *dwt* probably indicates that the *w* had fallen and that the pronunciation already approximated to the Old Coptic *tē*, *tei*.⁶

¹ Pyr. 1038.⁴ Pyr. 1087.² LAC. TR. 20, 89.⁵ SETHE, Pyr., Commentary, I 49.³ As 'priesthood', Kopt. 8, 4.⁶ AZ. 38, 87.

15 ⊕ star in circle

Ideo. in ⊕¹ var. ⋆² var. Pyr. ⋆³ ⋆⁴ *d(w)st* 'netherworld', see N 14, at end.

¹ BUDGE, p. 14, 12.² Pyr. 5, 8. 802 and after.³ Pyr. 257, 272.16 —¹ flat alluvial land with
grains of sand ...
N 33 beneath it

Ideo. in — var. —² —³ 'earth', 'land'. Hence phon. *ts* (rare), ex. —⁴ *ss̥t̥* 'mystery', 'secret'. In group-writing (§ 60) — is phon. *t*.³ Det. land, in —⁵ *dt* 'estate', whence also in —⁶ *dt* 'eternity'; —⁷ —⁸ *dt* 'serf'.⁵

¹ O.K. exx. Pyr. 75; Ti 49.² Cairo 20088, c12; 20683, a8.³ BURCHARDT § 132; an ex. under O 29, n. 5.⁴ GARD. SIN. 77, n. 2.⁵ VOG. BAUER 34.17 —¹ alternative form of —
N 16

Use as last.

¹ Common at all periods. As det. land in Dyn. III, see exx. under N 22.18 — sandy tract¹

Ideo. in — var. —² *iw*³ 'island'. In group-writing (§ 60) — is phon. *i*,³ ex. —⁴ —⁵ *Irt* 'Yareth' (Syrian place-name). Det. desert or foreign country, exx. —⁶ var. —⁷ *st̥t̥* 'horizon', more exactly the land of the sun-rise;⁵ —⁸ *Thnw* 'Libya'; —⁹ —¹⁰ *Stt* 'Asia'; cf. too — D 8.⁶ Different signs, but with similar outline, are (1) the garment —, see after S 26; (2) the cake —, see after X 4; (3) the oval, see — Z 8.

¹ Exx. showing the sand, D. el B. 10 (*ts-dsr*); Pyr. 36 (*Sit*).² Reading from old varr. of *iwy* 'deprive of a ship', Pyr. 1429, 1742.³ BURCHARDT § 21.⁴ Urk. iv. 791, 237.⁵ See under N 27.⁶ In Pyr. 628, 707 also of sea in *Wid-wr* 'the great green', as var. of — N 37.19 ≡ the last twice repeated
(often small ≡)

In ≡¹ *Hr-shty*, var. Pyr. ⋆² ⋆³ ⋆⁴ *Hr-shti*, 'Horus-of-the-horizon', 'Harakhti'.

¹ Urk. iv. 590, 13, qu. § 507, 2.² Pyr. 337.

N₂₀ — tongue of land

Det. in var. Pyr. *wdb* 'sand-bank', 'shore'. Hence phon. *wdb* in var. Pyr. *wdb* 'turn back' and derivatives. From O.K. onward a sign of like appearance is used in *hb-sd* 'jubilee', 'Sed-festival'.⁵

¹ *D. el B.* 116.² *Pyr.* 291.³ *Louvre C* 166.⁴ *Pyr.* 808.
⁵ Exx. Dyn. VI, *Hamm.* 63; Dyn. XII, *Kopt.* 9; Dyn. XVIII, *D. el B.* 37.

21 □ tongue of land

Det. land, especially in abbrev. *idb* 'bank', 'region' (dual *idbw* 'the two banks', i.e. 'Egypt').¹ More widely used in Dyn. XVIII, then often taking the place of earlier N 23, exx. *ts* 'earth'; *sht* 'fields'; *dmi* 'town'.

¹ *Wb.* i. 153.² *Rekh.* 3, 18, qu. *Exerc.* XXX, (iii).³ *Urk.* iv. 893, 7.22 □¹ sandy tongue of land
(O.K. prototype of
both — N 20 and
— N 21)23 △ irrigation canal (Dyn.
XI–XVIII; early
identical with,¹ and
clearly a mere differen-
tiation of, —
N 36)24 ■■■ land marked out with
irrigation runnels25 △ sandy hill-country over
edge of green culti-
vation

In *wdb*, see O.K. varr. under N 20. Det. land, exx. Dyn. III *rht* 'field'; *sht* 'field'.

¹ Showing the sand, Munich, Inv. 204 (Abu Gurâb, Dyn. V). Sim. but reversed, *DAV. Ptah.* i. 11, no. 219 = *Ptah.* (E.R.A.) 31, in the title *hry wdb*, like last.² *Berl. A.I.* i. p. 79, 8. 10.³ *Berl. A.I.* i. p. 93. Sim. *sht*, *Urk.* i. 12, 7.

Det. irrigated land, exx. *ts* 'land'; *ts* 'boundary'; in Dyn. XVII tends to be replaced by — N 21. In Dyn. XI–XII or is found as det. of time, probably corrupted from as used in words for 'to-morrow' and 'yesterday',² exx. *tr* 'season'; *rk* 'time'.

¹ *Dyn. XI, BISSING-BRUCKMANN, Denkmäler* 33 A (*idbw*); *Dend.* II A (*ts*).² *AZ.* 34, 28; *Rec.* 35, 80.³ *Th. T.S.* ii. 12; *Meir* iii. 16 (*tr*). Sim. *JEA.*4, Pl. 8, 10 (*chew*).⁴ *B.H.* i. 8, 19. Sim. *Brit. Mus.* 614, 3 (*chew*).

Ideo. or det. in varr. *sp(s)t* (*spst*)¹ 'district', 'nome'; also in *dstt* (?)² 'estate'. Det. province, exx. *Ts-wr* ' nome of Abydus'; *Smrw* 'Upper Egypt'; also garden, in *hsp* (Pyr. *hsp*)⁴ 'garden'.

¹ LAC. *Sarc.* ii. 132; the reading *spst* is suggested also by some varr. of the place-name *Spst*, see *AZ.* 58, 81, n. 20; 82, n. 4.² Reading, see on *Aa 8.*³ *Mission V* 283.⁴ *Pyr.* 126.

Ideo. or det. in var. *hst* (*hyst*) 'hill-country', 'foreign land'. Det. desert, exx. *smt* (*zmt*) 'desert', 'necropolis'; *hrt* 'upland tomb'; *ibtt* 'east'; also foreign countries, ex. *Rtnw* 'Retjnu', 'Syria'. Ideo. in var. Pyr. *H* ' (the desert-god) *Ha*'.

¹ *Urk.* iv. 343, 16; 373, 11; cf. O.K., MAR. *Mast.* p. 188.² Cairo 1622, cf. O.K. *Gebr.* ii. 8; *smyt*, Cairo 20011.³ Proof in title *imy-r smwt ibtt*, see*Hier.* p. 31; other exx., *Siut* i. 314. 322.⁴ *Pyr.* 1013.

- N 26 ☐ sand-covered mountain over edge of green cultivation Ideo. in ☐ *dw¹* 'mountain', plur. ☐ *dww*². Hence phon. *dw³* (later *dw*), exx. ☐ *dwi* 'call'; ☐ *bdw* 'Abydus'; ☐ *wndw* 'short-horned cattle'.
¹ Coptic *toou*. The proposal to read *tpt myn.f* in the well-known title of Anubis 'he who is upon his mountain' (*Rec.* 35, 228) needs further investigation.
² *Th. T. S.* i. 9. ³ Reading, see *pdu*, *Pyr.* 1013; cf. *Vog. Bauer*, p. 70.
- 27 ☒ sun rising over mountain Ideo. in ☒ var. *Pyr.* ☐ *sht*¹ 'horizon' (properly the place in the sky where the sun rises)² and its derivatives.
¹ *Pyr.* 154. ² *Bull.* 17, 189.
- 28 ☙ hill over which are the rays of the rising sun¹ Ideo. in *Pyr.* ☙ *hr* 'hill of the sunrise' and in ☙ *hr* 'appear in glory'. Hence phon. *hr³* ex. ☐ *hrm*, var. ☐ *hem*, 'approach'.
¹ DE BUCK, *De egyptische voorstellingen betreffende den oerheuvel*, Leyden, 1922, p. 63. ² *Pyr.* 542. ³ *Wb.* iii. 243, 2 quotes an O.K. word in which the sign ☙ is preceded by the alphabetic signs for *hr*; Coptic also points to *hr* rather than *hr*. ⁴ *GARD. Sin.* 33.
- 29 ☛ sandy hill-slope¹ Cf. ☛ *ky*² var. *Pyr.* ☛ *kss* 'hill', 'height'. Hence phon. *k*.
¹ Exx. showing sand, *Meir* ii. 17, nos. 36. 37. ² *Pyr.* 1652.
- 30 ☚¹ mound of earth with shrubs² Ideo. or det. in ☚ var. ☚ *ist* 'mound'.
¹ Exx. *Dyn.* IV, *Medium* 11; *Dyn.* XVIII, *D. el B.* 116. ² *Bull.* 3, 145.
- 31 ☚ road bordered by shrubs¹ Ideo. or det. in ☚ var. ☚ *wst* 'road' and related words. Det. road, exx. ☚ *mtn* 'road'; ☚ *hrt* 'road' (with related words); travel, in ☚ *r* 'mount up' and derivatives; position in general, exx. ☚ *r* 'here' (§ 205); ☚ *r-sy* 'entirely' (§ 205); ☚ *ps* 'that' (§ 110); distance, in ☚ *hnty* 'period'. Abbrev. *hr* (see ☚ *hrt* 'road' above) in ☚² var. O.K. ☚ *In-hrt* '(the god) Onūris'⁴; in ☚ for ☚ *hrw-r* 'besides' (§ 179); and for superstitious reasons in place of ☚ *Hr* 'Horus' on M.K. coffins⁵; also abbrev. *ws* in ☚ *ws r* 'fall into' a bad state.⁶
¹ Exx. O.K., *Medium* 9; *Saqq. Mast.* i. 39, no. 47. ² Leyd. V 3 (in a proper name); Cairo 20446, a. ³ *Geb.* i. 18. ⁴ Lit. 'he who fetched the distant one'; see *Unt.* 5, 141. ⁵ *AZ.* 51, 58. 59. ⁶ *Westc.* 9, 12, qu. p. 420.
- 32 ☜ lump of clay or dung (O.K.) Phon. det. in *Pyr.* ☜ *sinw*¹ 'runners' on account of ☜ *sin* 'clay'. Also as alternative for ☜ F 52 in O.K. ☜ *mhshs*² 'filthy one'. In M.E. replaced by ☜ Aa 2.
¹ *Pyr.* 1499. ² *Ti* 112.

N 33 ○ grain of sand, pellet, or like. (For similar signs cf. ○ D 12 and the circle, see after Z 8)

Det. sand, in *šry* 'sand'; metal or mineral (often repeated ...), exx. *nbw* 'gold'; *msdm̄t* 'black eye-paint', 'kohl'; medicaments, incense, etc. exx. *ȝ* 'pellet'; *phrt* 'medicine', 'prescription'. A sign of like appearance rarely takes the place of dangerous signs such as A 14 in religious documents, ex. *ḥftyw* 'enemies'; this practice dates from Pyr.² Sometimes ... or : is substituted for the plural strokes ..., |, exx. *gnwt* 'annals'; *ssrw* 'bags'.

¹ *D. et B.* 10.² *AZ.* 51, 18. 63.³ *Urk.* iv. 86, 3.⁴ *Urk.* iv. 1143, 13.

34 ¹ ingot of metal (Dyn. XVIII; in Dyn. XI the sign resembles W 13; ² in Dyn. III-V it resembles X 3 ³)

Ideo. in 'copper', early perhaps read *bis* and later *hmt* (?).⁴ Det. objects of copper or bronze, exx. *cnb* 'mirror'; *ȝew* 'weapons'; *minb* 'axe'.

¹ *Puy.* 38. ² *JEA.* 4, Pl. 9. ³ *Medium* 13; Palermo stone 5, 4; rather different, *Gebr.* i. 13, reg. 3. ⁴ *AZ.* 53, 51, n. 2. The reading *bis* would be confirmed for early times if the compound word written with this sign *JEA.* 4, Pl. 9, 1. 10 proved to be really *bis-rwd*, the Coptic *barōt* 'copper'. The supposed later reading *hmt* (?) is based solely on Coptic *homēnt*, *homit*.

⁵ *Adm.* 8, 5.⁶ *Urk.* iv. 656, 2.⁷ *GARD. Sin.* 51, 159.

35 ripple of water
(rarely vertically ||)¹

Cf. *nt* 'water'.² Hence (?) phon. *n*. Perhaps phon. *n* too when used as a substitute for — D 35 both in — *n* 'not' and in *nn* 'not' (§ 104). In group-writing (§ 60) and are all used for *n*,³ while appears, as does also in Dyn. XIX, to correspond to *l*.⁴ ex. *Sht inr* 'Field-of-Reeds'. In 'serf' — replaces the sign of land — N 17, a curious substitution (or error of transcription?) found also in Pyr.⁵

¹ Louvre C 1. ² SETHE, *Alphabet* 153. ³ BURCHARDT §§ 67, 69, 71. ⁴ *Ib.* § 81.⁵ *Urk.* iv. 1194, 2.⁶ Cairo 20161. ⁷ *Pyr.* 1217 (*t*); 1713 (*kr*).

(35) three ripples

Ideo. in *mw*¹ 'water'. Hence phon. *mw*, exx. *smw* 'summer'; var. *mww* 'muu-dancers'; *hdmw* 'footstool'; phon. *m* in group-writing (§ 60), ex. *Ynem* 'Yenoam', Palestinian place-name. Det. water, liquid, exx. *wrw* 'wave'; *fdt* 'sweat'; actions connected with water, exx. *irī* 'wash'; *sw(r)i* 'drink'. The composite det. (in hieroglyphic also) for rivers, lakes, seas comes into vogue in Dyn. XVIII, exx. *itrw* 'river'; *hnw* 'brook'.

¹ Coptic *mow*. Cf. *mwt* 'semen', phonetically *Pyr.* 123.² GARD. *Sin.* 70.³ *Urk.* iv. 744, 6.⁴ DÉV. *Graphies*, no. 9.⁵ *Urk.* iv. 655, 13. *Sim. ib.* 3, 10.

N 36 — channel filled with water¹ (later form as det. irrigated land = N 23)

Ideo. in —² var. Pyr. —³ *mr* 'canal', 'channel'. Hence phon. or phon. det. *mr* in — var. = *mri* 'love';⁴ phon. *mi*,⁵ exx. —⁶ var. —⁷ *mist* 'liver'; —⁸ —⁹ —¹⁰ *mihrt* 'tomb'. Det. rivers, lakes, seas, exx. —¹¹ *Wid-wr* 'the sea', lit. 'the great green'; —¹² —¹³ *hapy*, var. M.K. —¹⁴ *hp*, 'the inundation', here early interchanging with = N 37. For —¹⁵ (in hieroglyphic also —) as det. of names of rivers, lakes, seas from Dyn. XVIII on, see under — N 35. Doubtless an irrigation canal when prototype of the later land-sign = N 23, see there. In the fem. collective —¹⁶ var. —¹⁷ —¹⁸ *mrt* 'weavers'⁹ the sign — was probably understood as a weaver's reed,¹⁰ though the occasional presence of = or ≈ may have indicated the same value *mr* as in the masc. —¹⁹ —²⁰ *mr* 'friend(s)', 'partisans'.

¹ Detailed O.K. exx. Berl. *ÄI*. i. p. 80; DAV. *Ptaah*. i. 11, no. 218 (*rd-mr*). ² Dyn. XVIII, *Urk*. iv. 815, 1, qu. Exerc. XVIII (a). Cf. O.K. *Urk*. i. 108, 13; *ÄZ*. 42, 9.

³ Pyr. 848. ⁴ *Verbum* i. § 397, 7. ⁵ *PSBA*. 16, 142; *Sphinx* 13, 157.

⁶ *Urk*. iv. 45, 16.

⁷ *Wb*. ii. 106, 11–20, there confused with *mrt* 'serfs'. ⁸ *BH*. i. 29. ⁹ Existence as a separate word doubted *Wb*. ii. 97, 2, but clear proofs DAV. *Seven Private Tombs*, pp. 2–3. 49; *Puy*. 43; *P. Anast.* VI. 20. ¹⁰ *ÄZ*. 45, 88. ¹¹ *Wb*. ii. 98, 2.

37 — garden pool

Ideo. in —¹ var. —² *s* 'pool'. Hence phon. *s*.¹ Not seldom interchanging in hieroglyphic with =² N 36, ex. —³ *hapyw* 'inundations'. Appears to be a sign for irrigated land in —⁴ var. Dyn. III —⁵ (N 38) *st:t* 'aroura' (§ 266, 3); cf. the use of = N 36 both as a channel of the Nile and, in its use as the early form of = N 23, as an irrigation canal. Sometimes — replaces the cake — (see after X 4) in spellings of *sn* 'open' like —, —⁶ —⁷ —⁸. Occasionally it serves as a large form of the block of stone — O 39, ex. —⁹ —¹⁰ *inr* 'stone'.

¹ SETHE, *Alphabet* 155.

² Often in *mrl* 'love', exx. Pyr. 317, 953, 2192; Sim. *Amarn*. i. 22; ii. 23; iii. 6. ³ *PSBA*. 18, 202, 9. Sim. *BH*. i. 8, 21; also *Hamm*. 114, 14, qu. p. 392, n. 5 (*Wid-wr*). So too Pyr. 435, 564 (*H(r)p*); 802 (*Wid-wr*). ⁴ *Urk*. iv. 172, 1. ⁵ Berl. *ÄI*. i. p. 79, 13. ⁶ For this and the possibly homophonous word for 'pass by' see GARD. *Sin*. 72, 160, as well as *Wb*. iii. 454. ⁷ *Puy*. 38. Sim. *Bersh*. i. 14, 2 (*mt*).

38 — garden pool with sloping sides (detailed form of = N 37)¹

For — see U 18.

39 — garden pool full of water (alternative of = N 37)¹

Use as last.

¹ Exx. O.K., Berl. *ÄI*. i. p. 75, 11; DAV. *Ptaah*. i. 11, no. 213; Dyn. XVIII, *Puy*. 20, 22; *D. el B.* 79, 81.

Use as = N 37.

¹ Exx. O.K., *Medium* 9, 13; *Ti* 69; M.K., Berl. *ÄI*. i. p. 254.

N 40 combination of = N 37 In *sm* 'go'.
and D 54.

41 well full of water¹

Det. well, ex. *hnmt* 'well'; pool, marsh, in ² varr. ⁴ ⁵ O.K. ⁶ *phww*⁷ 'limits', 'distant marsh-lands'. As substitute for the female organ (cf. O.K. ⁸) in *hmt* 'woman', 'wife'. Hence phon. *hm*, exx. var. *hm* 'assuredly' (§ 253); *nhm* 'rescue'. Also as female organ in var. (here is det.) 'vulva', and derivatively 'cow', where the reading is more probably *idt* than *hmt*; ^{9a} cf. above § F 45. For obscure reasons,¹⁰ phon. *bis*, exx. *bis* 'copper'; *bis* 'firmament'; for the reading see ¹¹ var. ¹² *bisw* 'mine'.

¹ With interior zigzag lines for water, *BH*. iii. 6, no. 88; *D. el B.* 16. ² *Th. T.S.* i. 27. Sim. O.K. *hdwt*, *Berl. ÄI.* i. p. 71, cf. *ÄZ*. 42, 9. ³ *Urk.* iv. 138, 8. ⁴ *Puy.* 36.

⁵ *Urk.* iv. 587, 3. ⁶ *MONTEL* 4. ⁷ The proposed reading *hnw* repose mainly on *Urk.* iv. 523, 5, but *Puy.* 30 shows the reading there to be false. See also *ÄZ*. 3, 62. ⁸ From a sculpture at Abu Gurâb; cf. *nk* 'copulate', *Pyr.* 1321. ⁹ *Urk.* iv. 257, 9. ^{9a} Full discussion and references, *AEO*. ii. 258*; *Wb.* iii. 76 reads *hmt*.

¹⁰ *Hier.* p. 34; hardly a copper axe-head as proposed in *MÖLL. Pal.* i. 98, n. 1.
¹¹ *Sh. S.* 23-4. ¹² *Sinai* 53, 3.

42 well full of water (a common alternative form of last)¹

Use as last.

¹ With the zigzag lines, but having a straight line at top, O.K. *Sah.* 48; *Ti* 128 (*hmt*).

Sect. O. Buildings, Parts of Buildings, etc.

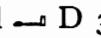
O 1 house

Ideo. in *pr*¹ 'house', cf. the fem. collective *pryt* 'houses'. Hence phon. *pr* in *pri* 'go forth' and derivatives; only very rarely not initial *pr*, ex. ³ for *bpr* 'become'. Det. house, building, exx. *rt* 'room', 'department'; *iwnn* 'sanctuary'; *hnw* 'interior'; *mchrt* 'tomb'. Less suitably also in *st* 'seat', 'place'; *nst* 'seat' of office; *sht* 'horizon'.

¹ Reading perhaps preserved in Coptic *djenepōr* 'roof' (p. 8, n. 2), also in Greek transliterations like *Φαραώ*=Hebrew פַּרְעֹה; *Φοράώ*=*ołkos* "Ὀφρων"; see *ÄZ*. 51, 125.

² *Haremhab* 34, 36, 38; also in *pryt Pr-s*, 'courts of Pharaoh', *P. Kah.* 38, 10-11 (Akhenaten), Coptic *neprinepot*. ³ *ÄZ*. 57, 3*. 5*, very rare.

- O 2 combination of and . In 'treasury', lit. 'white house'.
- 3 combination of and , , and . In 'invocation-offerings'.¹
- 4 reed shelter in fields⁰ Ideo. in 'room (?). Hence phon. *h*.
- ⁰ Probably a reed shelter of the kind still to be seen in Egyptian fields (Iversen). A late sign-papyrus in Copenhagen gives 'field-house' as one of several descriptions of the hieroglyph. ¹ *M.u.K.* i, 7 (with note); *Eb.* 25, 16. The exact meaning is doubtful, but see *Wb.* ii. 470, 2.
- 5 winding wall (also sometimes Det. in 'street'; hence phon. or phon. det. *mr* in var. *Mr-wr* 'Mnevis-bull'. For unknown reason, phon. det. *nm* in var. Pyr. *nmi* 'traverse'; also in *nmi* 'lowing' of cattle.
- ¹ *BH.* i. 44, 2. ² *Amarn.* v. 32, 21. ³ *Berl. ÄI.* ii. p. 100. ⁴ *Sin. R* 32. ⁵ *Pyr.* 1260. *Sim. ib.* 1370. ⁶ *Sin. R* 49.
- 6 rectangular enclosure seen in plan Ideo. in 'castle', 'mansion', 'temple', 'tomb'. The full reading *hwt*, possibly later *hyt*, is suggested by the O.K. personal name *Hwti*² and by the isolated variant *Nbt-hyt*, together with the Coptic equivalent *nebow*⁴ of the name of the goddess Nephthys. Hence the transliteration *hwt* has been adopted in this Grammar except for the divine name *Ht-hr*, Gk. *Aθvp*, 'Hathor' where the element *hat-* is clearly in *status constructus*. However, in one passage of Dyn. XII is written for 'quarry', giving to the mere value *h*.
- ¹ Perhaps one of the large enclosures of reeds called in Arabic *zartbah*, the enclosed portion roofed with stalks and reserved for the women and children (Calverley). ² *ÄZ.* 63, 149. ³ Cairo, unnumbered coffin from Asyūt. ⁴ PREISENDANZ, *Pap. Graec. mag.* i. 72; cf. also the place-name *goy, gw AEQ* ii. 33*. ⁵ *Bersh.* ii. p. 24.
- 7 alternative form of last (Dyn. XVIII)¹ Use as last.
- ¹ *Exx. Puy.* 40; *Rekh.* 16.
- 8 combination of and . In 'temple', earlier 'castle',² lit. 'great castle'.
- ¹ *Urk.* iv. 575, 8. ² *Berl. ÄI.* i. p. 78.
- 9 combination of and . In varr. ¹, ² *Nbt-hyt* '(the goddess) Nephthys'.
- ¹ *M.u.K.* vs. 5, 4. ² See above O 6, n. 3.

- O 10**  combination of  O 6 In  var.  *Ht-hr* '(the goddess) Hathor'.
and 
- I 11**  palace with battle- Ideo. in  var.  var. Pyr.  *ch*, var. M.K.  *ih*,
ments⁰ 'palace'.
- ⁰ Earliest depictions, PETR. *RT*. ii. 3, 4 and within an enclosure like O 13, *ib.* ii. 7, 8, 9; later DAV. *Ptaḥ*. i. 12, no. 225; *Hier.* 3, 30. Not two-storeyed, SCHARRFF, 22, n. 64. ¹ *Urk.* iv. 58, 7. ² Pyr. 141. ³ *Rec.* 14, 167; see *Sphinx* 13, 157.
- I 12**  combination of  O 11 In var. of *ch* 'palace', see last.
and 
- I 13**  ¹ battlemented enclosure Det. in  *sbbt* 'gateway' and in the related verb *sbb* (*sbb*) 'wall in',² 'enclose'.
¹ Ex. *Urk.* iv. 174, 9. ² Exx. Pyr. 585, 636. Sim. with O 14, AZ. 60, 63.
- I 14**  portion and alternative Use as last.
of last¹
¹ Exx. *Urk.* iv. 422, 2; AZ. 60, 63.
- I 15**  ¹ walled enclosure with Ideo. in  varr.   *wsbt* (*wsbt*) 'hall' in palace
buttresses, and with or temple.
¹ *Rekh.* 10. Varr. with battlements as in O 13, as well as palace O 11, see *Hier.* p. 34.
- I 16**  ¹ gateway (?) surmount- Ideo. or det. in  *t*; 'curtain (?)' and  *t3yt* 'curtain'. Hence semi-ideo. in the title of the vizier
ed by protecting ser-  var.  var. O.K.  *t3ty* 'he of the
serpents' curtain'. For  *t3-wr* 'larboard' see on  S 22.
¹ *Rekh.* 4. ² MAR. *Abyd.* i. 19, a. ³ LAC. *TR*. 21, 85–6. ⁴ TH. T. S. ii. 14, 17. ⁵ BUDGE, p. 322, 2, as epithet of Osiris. ⁶ DAV. *Ptaḥ*. ii. 6. 28; *Sagg. Mast.* i. 17.
- I 17**  ¹ O.K. form of last Use as last.
¹ DAV. *Ptaḥ*. i. 12, no. 232.
- I 18**  shrine seen from side Ideo. or det. in  var.  *ks(r)i* (Pyr. *k3r*³) 'chapel',
'shrine'.
¹ Exx. *D. el B.* 114; *Urk.* iv. 168, 15. ² *Urk.* iv. 130, 16. ³ Pyr. 276.
- I 19**  primitive shrine Det. in  *Pr-wr* 'Great House' name of the pre-dynastic national shrine of Upper Egypt at Hieraconpolis (*N3n*);² also of *itrt* in  *itrt sm3(yt)* 'the row of Upper Egyptian sanctuaries', as seen at the *Sed*-festival;³ hence also as collective term for 'the gods of Upper Egypt'.⁴
¹ Pyr. 648; Brit. Mus. 574, 7. ² *Unt.* v. 127, n. 2. ³ JEA. 30, 27; for references see AZ. 44, 17. ⁴ See above p. 291, with n. 3.

O₂₀ ¹ shrine

Det. sanctuary, exx. *itrt* 'row of sanctuaries'; ² *hm* 'shrine'; especially of the ³ *Pr-nw* or ⁴ *Pr-nsr* (*Pr-nzr*), names of the pre-dynastic national sanctuary of Lower Egypt at Buto (*P*). Hence *itrt mht* 'the row of Lower Egyptian sanctuaries' and collective term for 'the gods of Lower Egypt'; see on O 19, together with nn. 3, 4 there.

¹ *Listh.* p. 37. ² *Urk.* iv. 167, 1. ³ *Pyr.* 1438; *Brit. Mus.* 574, 8.
⁴ *Pyr.* 852; *BUDGE*, p. 88, 20; 319, 11.

21 façade of shrine

Ideo. or det. in var. ¹ *sh-ntr* (*zh-ntr*) 'the divine booth'.

¹ *Mitt.* ix. Pl. 7, 1, in the title of Anubis *bnty sh-ntr*. Cf. *Hier.* p. 36.

22 open booth supported by a pole

Ideo. or det. in var. ¹ *sh*, var. *Pyr.* ¹ *zh*, 'booth'; hence phon. *sh* (*zh*) in *sh* 'counsel'. In the combination the sign retains a value *hb* (*hsb*) which it formerly possessed when used alone.²

¹ *Pyr.* 130. ² Cf. *Pyr.* 555 (*hsb* 'catch of wild fowl'); 1672 (*hsb* 'be festive').

For see W 4.

23 hall used in the *Sed-* festival¹

Ideo. or det. in var. ² *varr.* ³ ⁴ *hb-sd* (*hb-sd*) 'jubilee', 'Sed-festival'

¹ See *Unt.* 3, 136. ² *Urk.* iv. 565, 16. ³ *Kopt.* 9. Sim. O.K., *Urk.* i. 97; 6.

⁴ *Urk.* iv. 569, 8.

24 pyramid with side of surrounding wall

Det. in *mr* 'pyramid', 'tomb' and in names of specific royal pyramids, ex. *Ks-nfr-Imnmhst* 'the pyramid Amenemhēt-is-high-and-beautiful'.¹ Hence also in *Mn-nfr* 'Memphis' (p. 183, n. 1).

¹ See *AZ.* 32, 88.

25 obelisk

Ideo. or det. in ¹ var. ² *thn* 'obelisk'.

¹ *Urk.* iv. 366, 13. ² *Urk.* iv. 360, 16.

26 stela

Ideo. or det. stela, exx. ¹ var. ² *wd* 'stela'; ³ *chew* 'station', 'stela'.

¹ *BH.* i. 25, 32. ² *BH.* i. 26, 141. ³ *Rec.* 20, 40, in the phrase *chew n* *Nb* 'station of the King', see *Unt.* 2, 40.

27 ¹ hall of columns

Det. hall of columns, exx. ² *dwd* 'hall of columns'; *bs* 'office'. From last, phon. or phon. det. *bs* in ³ var. ⁴ *bs(y)w(y)* 'night'.

¹ *Rekh.* 4. ² *Urk.* iv. 257, 1. ³ *JEA.* 4, Pl. 8, 3; cf. *Pyr.* 1639. ⁴ *Puy.* 29, 5 in the name of the feast *bt-brwy* 'night-ceremonies', cf. *BH.* i. 24; *Urk.* iv. 27, 5.

28 column with tenon at top

Ideo. in *iwn* 'column'; for the reading cf. ¹ var. ¹ *iwnyt* 'hall of columns'. Hence phon. *iwn*, exx. ² var. *Pyr.* ³ *iwnt* 'bow'; ⁴ *Iwnw* 'Heliopolis'.

¹ *Amada* 14 = *Eleph.* 17. For further evidence see *Sitz. Berl. Akad.* 1912, 961.

² *Sebekkhu* 5. ³ *Pyr.* 1644.

Sign-list

EGYPTIAN GRAMMAR

- O 29** ← wooden column¹ (also found vertically ↓) Cf. ←² r, 'column'. Hence phon. r, exx. ← A | r, 'great'; || A X³ var. Pyr. || A X⁴ hr, 'infant'. In group-writing (§ 60) ← or → is phon. r,⁵ exx. ← A → X⁶ Tm⁷ 'Taemetj', f. personal name; || A X⁵ Ynm 'Yenoam', Palestinian place-name.
- ¹ As support of the booth O 22, *Medium* 10. ² P. Kah. 13, 2. ³ Louvre C 1, 10. ⁴ Pyr. 1105. ⁵ BURCHARDT, § 26. ⁶ Urk. iv. 11, 9. ⁷ Urk. iv. 744, 5.
- 30** Y supporting pole Ideo. or det. in ← Y var. Y¹ shnt (zhnt)² 'support' of heaven. For a similar sign, but reversed |, see after U 12.
- ¹ Four times repeated, 'the four supports', Urk. iv. 843, 2. ² Reading with z, Pyr. 1559; Harh. 365.
- 31** ←¹ door Ideo. or det. in ← var. ←² r, 'door'; hence very rarely phon. r, ex. ← A → X³ rmt 'Asiatic woman'. Det. open, exx. ← wñ 'open'; ← sn 'open'.
- ¹ Puy. 54; see the picture PETRIE, *Deshasheh* 21. ² In the title tny-r, 'door-keeper', Cairo 20103, I; 20184, k. ³ Urk. iv. 743, 4.
- 32** □¹ gateway Det. door, gateway, exx. | * □¹ abbrev. □² sb³ (sb³) 'door'; □ sbht 'gateway'.
- ¹ D. el B. 137. ² Urk. iv. 845, 13.
- 33** ┏━¹ façade of palace or tomb Det. in ┏━ s̄b̄ 'banner' for the Horus name (p. 72).
- ¹ Urk. iv. 160, 12.
- 34** ← bolt Ideo. in ←¹ s (z) 'bolt'. Hence phon. s (z). Also as substitute for ← R 22 in ← A² var. Pyr. ← A³ Hm 'Letopolis', the modern Ausim NW. of Cairo.⁴
- ¹ Urk. iv. 498, 11. ² Cairo 20498; Harh. 535. Det. with the shrine O 20, Cairo 20738. ³ Pyr. 1670. ⁴ From Dyn. XIX onward, however, ← is often actually written at the beginning of this place-name (GAUTHIER, *Dict. géogr.* V 45), which appears from the Gk. personal name Περαπθεσκιος (gen.) = P-*di-Hr-nb-Shn* really to have read Shm or Sbn (SPIEGELBERG, *Ag. u. gr. Eigennamen*, 28*, no. 198 a).
- 35** Δ combination of ← O 34 and Δ D 54 In a number of words implying motion and having s (z) as a characteristic radical, exx. Δ J Δ rare var. Δ sb̄ 'go', 'pass', 'send'; Δ si 'perish', later replaced by Δ J Δ s̄bi; Δ Δ rare var. Δ Δ ms 'bring', 'offer'; Δ is 'go' (imperative, § 336); Δ || var. Δ Δ var. Pyr. ← || sy (zy) 'who?', 'what?' There is much confusion in the value of Δ, owing to the tendency (1) to write Δ alone for sb̄, and (2) to write Δ J for simple s.²
- ¹ Pyr. 438. ² AZ. 48, 31.
- 36** ┏ wall⁰ (occasionally horizontally ←¹) Ideo. or det. in ┏ var. ┏² inb 'wall'. Det. wall, exx. ┏³ sbty 'surrounding wall'; ┏³ wmtt 'bulwark', 'fortification'; ┏ J ┏⁴ snb 'overleap' a wall.
- ⁰ In the earliest times perhaps plan of a brick enclosure with buttresslike projections, but later certainly interpreted as a wall, cf. A 35 and O 37. See SCHÄRFF, 18. ¹ Urk. iv. 764, 9. ² Urk. iv. 765, 7. 16. ³ Urk. iv. 661, 5. ⁴ Sin. R 141.

- 037 falling wall Det. overthrow, exx. ¹ *whn* 'overthrow'; ² *shnn* 'demolish' a wall; slanting, ex. ³ *gsi* 'tilt'.
¹ *Urk.* iv. 780, 7. ² Cf. *Puy.* 20. ³ *Peas.* B 1, 92.
- 38 corner of wall Det. in *knbt* 'corner', 'angle',⁰ whence var. *knbt* 'magistrates', lit. perhaps 'those who sit at the corner'. Det. gate, in *rrt* 'gate'; corner (?), in *mrwt* 'street'. Ideo. or det. in *hry (n) tm*, an obscure title.¹
⁰ Palermo stone, vs. 5, 2; see too *AEO.* ii. no. 452 of On. Am. ¹ *AZ.* 40, 96.
- 39 stone slab or brick (sometimes large like — N 37) Det. stone and similar, exx. *inr* 'stone'; *rst* 'valuable stone' for vessels, etc.; *dbn* 'deben-weight' (§ 266, 4); *rr* 'pebble'; *dt* 'brick'.
- 40 stairway Det. stairway, exx. *varr.* ¹ *rwd* 'stairway'; var. ² *htyw* 'terrace', 'terraced hill'.
¹ *Sebekkhu* 8. Reading, see Leyd. V 3, 5. ² *Urk.* iv. 1031, 6, in connection with Min: for the *htyw* 'platform' of Min see Cairo 20703, a 5; also LEGRAIN, *L'aile nord du pylône d'Aménophis III*, 14 A; see too the elaborate study *Kêmi* ii. 41.
- 41 double stairway Det. stairway, exx. ¹ *k̄y* 'ascent', 'high place'; ² *irr* ² 'ascend'.
¹ *Urk.* iv. 364, 3. ² *AZ.* 46, 98.
- 42 fence outside primitive shrine O 19¹ Phon. *šsp* (*šz̄p*) in *ss̄p*, var. Pyr. ² *šz̄p*, 'receive', but early *ss̄p* ³ cf. ⁴ var. ⁵ *ss̄p* 'daylight'.
¹ See the pictures of O 19 *Medium* 9; *Sah.* 22; *Ann.* 25, 126. ² Pyr. 879. ³ *Siat* 1, 225. ⁴ *P.Kah.* 1, 10; *Peas.* B 1, 201. ⁵ De BUCK, ii. 5.
- 43 O.K. form of last Use as last.
¹ *Pyr.* 260 (W 387). See too SCHARFF, 13, n. 23.
- 44 emblem erected outside the temple of Min¹ Ideo. or det. in ² var. ³ *ist* 'office', 'rank'.
¹ See *Kopt.* 10, 3; a divergent early form JUNKER, *Giza I*, 146. ² Commonest form, exx. *Beni Hasan* I, 25, 11; *Kopt.* 8, 11; *Urk.* iv. 208. ³ BUDGE, 482, 16; *lwt*, given as principal form *Wb.* i. 29, if found at all early, is probably *status nominativus*, see § 78.
- 45 domed building Ideo. or det. in *varr.* *ipt* 'harim'; ¹ *ipit* is possibly the fuller form of the same word.
¹ *AZ.* 45, 127.
- 46 older form of last¹ Use as last.
¹ Exx. O.K., *Urk.* i. 100, 13; M.K., *Bersh.* ii. 21, top 16; Dyn. XVIII, *Urk.* iv. 897, 3.
- 47 a prehistoric building at Hieraconpolis¹ (Dyn. XVIII form)² Ideo. in *Nḥn*³ 'Hieraconpolis', i.e. Kôm el-Aḥmar in Upper Egypt.
¹ *AZ.* 53, 57. ² *Rekh.* 16; but also Dyn. VI, *Gebr.* ii. 6; Dyn. XII, *BH.* ii. 14; Leyd. V 4, 1. ³ Reading, BRUGSCH, *Dict. Geogr.* 353; see too *AZ.* 58, 60 and the alternative writing *Mḥn*, *AEO.* ii. no. 320 of On. Am.

- O** 48 ⑩ alternative form of last¹ Use as last.

¹ Dyn. V, *Sah.* 18; Dyn. XII, *Th. T.S.* ii. 6; Dyn. XVIII, *Paheri* 8.

- ## 49 ⊗ village with cross-roads

Ideo. in *n̄iwt* ‘village’; for the reading cf. Pyr. *n(iw)tyw(?)* ‘those belonging to the lower heaven’ and the very late var. *Naúkpatis*. Det. village, town, ex. *W̄st* ‘Thebes’; inhabited region, in *Kmt* ‘Egypt’, lit. ‘the black (land)’; *d̄stt(?)* ‘estate’.

¹ *Pyr.* 1467. The puzzling evidence suggests that the 'lower heaven' had two names, namely *Nl(w)t* and *Nnt*, which are much confused in the writing. Crucial passages are *Pyr.* 149. 446. 1691. ² *AZ.* 53, 105. ³ *Peas.* R 68; see Aa 8.

- 50 ⓠ circular threshing-floor
covered with grain¹
(printed in older
books in the late
form ⓠ)

Det. in $\overline{\square \circ}^2$ *spt* (*zpt*) 'threshing-floor'. Hence phon. or phon. det. *sp* (*zp*) in $\overline{\square \circ}$ var. \circ *sp* 'time', 'occasion' and related words. Note \square var. \square *sp sn* 'two times' as sign that a word or part of a word is to be repeated in reading (§§ 207. 274), exx. $\overline{\square \square} \square \square$ *rɔ rɔ* 'very often'; $\overline{\square \square} \square \square$ *rɔrɔ* 'rejoice'. For \circ in $\square \square h \square t-sp$ 'regnal year' see p. 204.

¹ *Hier.* pp. 27, 67. ² MONTEL 213-14.

- 51  heap of grain on a raised mud floor^o

Ideo. or det. in $\lambda^{\sigma} \Delta$ varr. $\Delta \square$, Δ^{\wedge} , Δ° *šnwt* 'granary'.

⁹ So ERMAN, *Ägypten*, 577, n. 3, probably rightly; for the shape of the heap, cf. *Ti* 124. DAV. *Ptah*. i. 36 thought the sign originally depicted a granary, and was only later interpreted as a heap of corn. However, both early (*ib.* 28; *Ti* 84) and late (ERMAN, *op. cit.* 576) the actual granaries were dome-shaped.

Sect. P. Ships and Parts of Ships

- ### P i boat on water

Det. boat, ship, exx.  *dpt* 'ship';  ¹ *hw* 'ships';  ² *chrw* 'ships'; sail, travel by water, exx.  *ncl* 'sail';  ³ *hdj* 'fare downstream'; also det. in  ⁴ *iw(y)* 'one without a boat'. As abbrev. the sign presents difficulties;  ⁴ is doubtless *dpt-ntr*⁵ 'the divine bark'; in  ⁶ 'overseer of ships' there is definite evidence in favour of *chrw*,⁷ but possibly *chrw* is merely a later writing of, or more recent substitute for, *hw*;⁸ the singular  'boat' doubtless usually stood for  ⁹ *imw*, but once at least represents the much rarer  ¹⁰ *kskrw*.

¹ Hamm. 114, 14; Bersh. i. 14, 7. ² BH. i. 44, 5; Rekh. 3, 34. ³ Wb. i. 47.
⁴ ÅZ. 45, Pl. VI, 6. ⁵ Adm. p. 33. ⁶ ÅZ. 45, Pl. VI, 6; Cairo 20023, 5.

⁴ AZ. 45, Pl. VI, 6. ⁵ Adm. p. 33. ⁶ AZ. 45, Pl. VI, 6; Cairo 20023, s; Urk. iv. 153, 3. ⁷ Compare Cairo 20143, c with ib. b; so too without plural strokes and followed by personal. Cf. also AZ. 45, Pl. VI, 6. ⁸ AZ. 45, Pl. VI, 6. Possibly the

⁸ AZ. 32, 34. Possibly the relationship is like that of O K *θm* Dyn. XVIII with 'breadth' ⁹ AZ. 68, 8.

⁹ *AZ.* 68, 8.
¹⁰ *Westc.* 8, 3-4.

10 Westc. 8, 3-4.

- (i) boat upside down

Det. in ~~प्र~~ *pnr* 'upset', 'overturn'.

- P 2 ship under sail Det. in *bnti* 'sail upstream'.
- 3 sacred bark (details vary greatly in different cases)¹ Ideo. or det. in var. *wis* 'sacred bark'. Det. divine boats, exx. *mndt* 'bark of the dawn'; *nšmt* 'the *neshmet*-bark', i.e. the sacred boat of Abydus. Also det. sail, when divine journeys are meant, ex. ² *dši* 'cross' sky, said of Rē.
- ¹ For different forms see *Ikhern*, 14, 23 (*nšmt*); Cairo 20024 = *Mus. Eg.* i. 17 (*mndt*, *mskt*). ² *D. el B.* 114.
- For see G 7*. For see G 10.
- 4 fisherman's boat with net Semi-ideo. in *wḥr* 'fisherman', plur. ¹ *wḥw*, together with the related words.
¹ *Bersh.* ii. 16 without the plural strokes. Cf. *Sacred* *orwq* 'fisherman'.
- 5 sail Ideo. or det. in var. *trw*¹ 'breath', 'wind'. Det. wind, exx. *mhyt* 'north wind'; *drw* 'storm'; sail, in ² *htrw* 'sail'. Ideo. also in var. *nfw* 'skipper', late var. ¹ *nfy*.²
- ¹ Reading, *Pyr.* 309; see *ÄZ*, 24, 86. ² DÜMICHEN, *Kalenderinschriften* 35, 49. ³ LEPSIUS, *Todtenbuch*, ch. 99, 23. Coptic *neef*.
- 6 mast Phon. *chr*¹ in var. *chr* 'stand' and derivatives.
⁰ For the problem of the form (also in P 5, 7) see *Sah. II*, p. 161. ¹ That *h* forms part of the reading is shown by a late spelling of *h̄w* 'limbs', BRUGSCH, *Wörterbuch*, Suppl. 272.
- 7 combination of P 6 and D 36 Use as last, ex. ¹ *chrw* 'ships'.
¹ *Urk.* iv. 702, 15.
- 8 oar (also often horizontally in § 55) Det. oar, exx. ¹ *wsrw* 'oars'; ² *hpt* 'oar'. Perhaps from a word var. ⁴ 'oar' known only from the king's name ⁵ *Nb-hrw(?)-Rr* 'Nebkherurē' phon. *hrw*, exx. var. *hrw* 'voice'; ⁶ *hrwy* 'enemy'.
¹ NAV. 99, 23. ² A secondary word, see *ÄZ*, 62, 4. ³ Value deduced only from phonetic use. ⁴ *D. el B.* (XI) iii. Pl. II. ⁵ Now recognized as distinct from king *Nebhepetrē*, see *Stud. Aeg.* I 38-41; also *ÄZ*, 62, 3.
- 9 combination of P 8 and I 9 In var. *hr(y)fy* 'says' (§ 437).
- 10 steering oar Det. in *hmw* 'steering oar'; *hmy* 'steersman'.
- 11 mooring post Det. in ¹ *mnit (minit)* 'mooring post' and the related words. In hieratic often indistinguishable from T 14 and consequently so usually transcribed.²
- ¹ Brit. Mus. 574, 14. ² See MöLL, *Pal.* i. nos. 457-472.

Sect. Q. Domestic and Funerary Furniture

Q 1  seat

Ideo. in  *st*, var. Pyr.  *st*, 'seat', 'place'. Hence phon. *st* (*st*),² exx.  *mst* 'lap';  *nmst* 'jar'; *ws* (*ws*),³ in  *Wsir* 'Osiris'; *ss* (*ss*), in  rare var.  *3st* (*3st*) 'Isis'. From a word  *htmt* 'chair' (Dyn. XIX) phon. *htm*,² ex.  var. *htm* 'perish'.

¹ Pyr. 872. ² ÄZ. 46, 107. ³ ÄZ. 46, 92. ⁴ LAC. TR. 43, 4; COFFINS, M 4 C, 144.

2  portable seat (sometimes reversed)¹

Ideo. in  *st* 'seat' (rare). Phon. *ws* (*ws*) in  rarer var.  *Wsir* 'Osiris'.

¹ Exx. Cairo 20023. 34049. 34085. ² Kopt. 7, 16, a. ³ ÄZ. 46, 94.

3  stool of reed matting¹

Cf.  *p* 'base' (for shrine), Ptolemaic   *p* 'seat', Coptic *pōi* 'bench'. Hence phon. *p*.⁴

¹ Depicted *Th. T. S. i. 15*; the earliest forms suggest a stool-covering rather than an actual stool, but exx. of Dyn. II favour the latter, see PETR. *Eg. Hier. Pl. 38*.

² Urk. iv. 834, 6. ³ DÜMICHEN, *Resultat* 51, 19. ⁴ SETHE, *Alphabet* 152.

For  see M 7.

4  head-rest

Det. in  *wrs* (*wrs*)¹ 'head-rest'.

¹ For *f* see *Saqq. Mast. i. 1.*

5  chest (varies much in form)¹

Det. box, chest, exx.  *hn* 'box';  *fdt* 'chest'.

¹ Exx. *Bersh. i. 10. 15*; *Urk. iv. 427, 6*; PETR. *Abyd. ii. 34*.

6  coffin (varies much in form)¹

Ideo. or det. in  *krsw* (*krsw*) 'coffin'. Det. in  *krs* 'bury'.

¹ Exx. *BH. i. 12*; *Puy. 60. 68*.

7  brazier with flame rising from it¹

Det. fire, exx.  *ht* 'fire';  *sdt* 'flame'; heat, exx.  *rk* 'heat';  *ts* 'hot'; cook, etc., exx.  *psi* 'cook' (§ 281);  *sbw* 'brand'; torch, in  *tks* 'torch', 'candle'. Also abbrev.  for  *srf* (*srf*) 'temperature';  *nsrsr* (*nsrsr*) in  *tw-nsrsr*, a mythical locality.

¹ *Meir* ii. p. 34.

² *Eb. 24, 6 = 46, 10.*

³ See the varr. NAV. 110, 17. 19.

Sect. R. Temple Furniture and Sacred Emblems

- R 1 ¹ table with loaves and jug Ideo. or det. in ² *ḥrwt*, varr. ³ ⁴ *ḥst*, 'table of offerings'.
¹ *D. el B.* 37. Often the round loaf is on the left, exx. *Paheri* 4; *Urk.* iv. 163, 7.
² *Sint* I, 240. ³ See on L 6. ⁴ Cairo 20667.
- 2 ¹ table with conventionalized slices of bread (alternative form of last) Ideo. or det. in ² *ḥry(t)*, varr. ³ ⁴ *ḥst*, 'table of offerings'.
¹ Ex. *D. el B.* 140. Sim. O.K., *Sah.* 63. ² Louvre C 11, 7. ³ *D. el B.* 140.
⁴ Cairo 20712, a 6.
- 3 four-legged table with loaves and libation vase ¹ Ideo. or det. in ² *wdhw* (§ 19, OBS. 2), var. Pyr. ³ *wdhw*, 'table of offerings'. Also as abbrev., especially in the title ⁴ *ss wdhw* 'scribe of the offering-table'.
¹ Forms differ considerably, but in M.E. the four-legged table is characteristic of *wdhw*, while *ḥrwt* has the forms shown under R 1. 2. Dyn. XII, see *Hier.* 8, no. 126; *BH.* iii. 3, no. 21; Dyn. XVIII, *Paheri* 7; NORTHAMPT. 3, 7. ² *Bersh.* i. 12.
³ *Pyr.* 474. ⁴ Cairo 20023, n; 20562, g; reading proved by *ib.* 20671, b.
- 4 loaf \ominus X 2 on a reed-mat Ideo. in ¹ var. O.K. ² *htp* 'altar'. Hence semi-phon. *htp* in ³ *htp* 'rest', 'be pleased' and derivatives; the writing is not uncommon in M.K. proper names and occurs also in a hieratic ligature of the same date.³
¹ Brit. Mus. 590. ² *Urk.* i. 107, 17. ³ Ex. *Leb.* 23; see *ÄZ.* 29, 54.
- 5 ¹ censer for fumigation ² (after O.K. doubtless misunderstood) Ideo. or det. in var. Pyr. ³ *kṣp* 'fumigate'. Hence phon. *kṣp*, ex. var. ⁴ *kṣp* 'harim', 'nursery'; *kṣp*, ex. ⁵ *Kpny* 'Byblus', a town in Phoenicia.
¹ Ex. Dyn. XVIII, *D. el B.* 139. The same form, but reversed, already Dyn. V, *Sagg. Mast.* i. 21. Sometimes in Dyn. XVIII somewhat resembles a wrist and hand, exx. *Two Sculptors* 8; *Urk.* iv. 997, 6; later interpreted as a claw. ² *ÄZ.* 50, 66.
³ *Pyr.* 184. Sim. *ib.* 803. ⁴ *Urk.* iv. 997, 6. Sim. *kṣpw* 'crocodile', *Pt.* 262.
⁵ *Urk.* iv. 535, 6; *Sin. R* 53.
- 6 ¹ O.K. form of last Use as last.
¹ *Ti* 132, over a scene of fumigation.
- 7 ¹ bowl for incense with smoke rising from it Ideo. or det. in ² abbrev. ³ *sntr* 'incense'. Also as equivalent of O.K. ∇ W 10* (= Pyr. ∇ Aa 4) in ⁴ var. ⁵ *b*; also in ⁶ *b*; 'ram'.
¹ See *Hier.* p. 43. Depicted *Meir* iii. 17. ² *Urk.* iv. 943, 12. ³ *Paheri* 5; *Urk.* iv. 914, 9. ⁴ *Urk.* iv. 114, 3. ⁵ *Urk.* iv. 945, 2. ⁶ *Wb.* i. 414.

Sign-list

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- R 8 cloth wound on a pole, emblem of divinity¹ Ideo. in *ntr* 'god'. Hence phon. (semi-ideo.) *ntr*, ex. *ntry*. var. Pyr. ² *ntr(i)*, 'divine'. Very rarely det. for a god, ex. ³ *Gbb* 'Geb', Gk. Κῆβ.
- ¹ See NEWBERRY, *JEA*. 33, 90; *Meir* ii. p. 35; *Saqq. Mast.* i. p. 45.
² Pyr. 533.
- 9 combination of R 8 Ideo. or det. in var. ¹ *bd* '(a kind of) natron'.
and 1 D. el B. 10. In Pyr. ideo. in *ntr* 'nitre' (Pyr. 1368), det. in *hsmn* 'natron' (*ib.*).
- 10 combination of R 8 Ideo. in var. ¹ *hr(t)-ntr* ² 'necropolis'.
and 1 Ex. *Paheri* 3. ² *JEA*. 24, 244.
- 11 column imitating a bundle of stalks tied together¹ Ideo. in *dd* 'djed-column'. Hence phon. *dd* in var. Pyr. ² *ddi* 'be stable', 'enduring' and derivatives. The twofold writing of the sign in the town-name doubtless indicates the change of value from *dd* to *dd*, see the varr. § 289, 1.
¹ SCHÄFER, *Griff. Stud.* 424; early exx. as architectural ornament, *Ann.* 25, Pl. 5; 27, Pl. 2.
² Pyr. 1078.
- 12 standard for carrying religious symbols Det. in *ist* 'standard'. Also accompanying various ideograms for gods, exx. *Mnw* '(the god) Min'; *Hs* '(the god) Ha'. Cf. also *D* 29; *E* 18; *G* 7; *G* 26; *R* 13.
- 13 ¹ falcon *G* 5 on *R* 12 with feather (O.K. to Dyn. XII) As emblem of the West, ideo. in *imnt* 'west' and the related words. For the reading compare Pyr. ² *imn* 'right', 'right-hand'.
¹ Sah. 5. The forms differ greatly, see SETHE, *Rechts* 211. Exx. Dyn. XI, PETR. Abyd. ii. 24. 25. ² Pyr. 730.
- 14 abbrev. of last, omitting falcon and enlarging feather (from Dyn. VI onward)¹ Ideo. in *imnt* 'west' and related words, including var. *wnmy*, var. Pyr. ² *wnmi*, 'right' hand, side, etc.
¹ SETHE, *Rechts* 215. ² Pyr. 1002. See SETHE, *Rechts* 199.
- 15 spear decked out as standard¹ As emblem of the East, ideo. in *isbt* 'east' and related words, ex. *isby*, varr. Pyr. ² *isbi*, 'left-hand'. From Dyn. XVIII on, by confusion with *U* 23, phon. *sb*, exx. ³ *3bdw* 'Abydus'; *sb-n* 'has desired'.
¹ SETHE, *Rechts* 220. ² Pyr. 730. ³ Urk. iv. 11, 49. ⁴ Urk. iv. 28, 1.
- 16 papyrus-shaped wand with feathers¹ Ideo. or det. in var. *wh* 'the *wh*-fetish' of Cusae in Upper Egypt.
¹ With many variant forms, see *Meir* i. p. 2; ii. p. 38.

- R 17 wig, with fillet and plumes, on pole¹
(Dyn. XVIII)
- Fetish of Abydus, ideo. or det. in var. — ² *Ti-wr* 'the nome of Abydus or This'.
- ¹ See WINLOCK, *Bas-reliefs from the temple of Rameses I at Abydos*, p. 15.
² Urk. iv. 111, 13.
- 18 variant form of last
- Use as last.
- 19 the *was*-sceptre ¹ S 40 with fillet and feather
- As emblem of the Upper Egyptian nome of Hermonthis and its town, ideo. in *Wfst* (*Wfst*),¹ var. Dyn. XX ² *Ws(r)*, 'Thebes'. For *isst* 'milk' see on S 40.
- ¹ Reading further proved by demotic, see MÖLLER, *Die beiden Totenpapyrus Rhind*, p. 76*, no. 538. Cf. -ois in the name *Xapots=Ht-m-Wfst*, GRIFFITH, *Stories of the High Priests of Memphis*, p. 2, n. 2.
² Brit. Mus. 303.
- 20 ¹ conventionalized flower (?) surmounted by horns
- As emblem of the goddess of writing ideo. in ² *Sst*, var. Pyr. ³ *Sst*, late var. ⁴ *Sst*, '(the goddess) Seshat'.
- ¹ D. el B. 55. ² Urk. iv. 19, 14. ³ Pyr. 616. ⁴ Louvre A 97, qu. PSBA. 16, 252.
- 21 ¹ O.K. form of last
- Use as last.
- ¹ Saqq. Mast. i. 1 (Dyn. III-IV).
- 22 ¹ two fossil belemnites? ¹
- As emblem of the god of Panopolis (Ekhmim) and of Coptus (Kift) ideo. in — varr. var. Pyr. ² *Mnw* '(the god) Min', Greek *Mn*.³ The name of Letopolis (Ausim) in the Delta ⁴ reads *Hm*, as the var. Pyr. ⁵ shows; from M.K. onwards — O 34 is often substituted for —, ex. ⁶ *hm*, see on O 34. Hence phon. *hm* in var. ⁶ *hm* 'shrine'.
- ¹ Annals of Archaeology and Anthropology (Liverpool) 3, 50. The earliest exx. resemble a double-headed arrow.
² Pyr. 424.
³ PLUTARCH, *De Iside* 56.
⁴ Cairo 20221; sim. Pyr. 1270.
⁵ Pyr. 1670. For the localization at Ausim see Ann. 4, 91; Rec. 26, 144.
⁶ Urk. iv. 96, 4. This word has no connexion with the Gk. town-name Chemmis and its modern descendant Ekhmîm, the Egyptian original of which was *Hnt-Mnw*, see AZ. 62, 92; AEO. ii. 40*.
- 23 ¹ O.K. form of last
- Use as last.
- ¹ Saqq. Mast. i. 8.
- 24 ¹ two bows tied in a package² (sometimes also vertically)
- As emblem of the goddess of Sais, ideo. or det. in varr. ⁴ ⁵ *Nt* (*Nrt*, *Nit*)⁵ '(the goddess) Neith'.
- ¹ D. el B. 116. ² Ancient Egypt 1921, 35. ³ Urk. iv. 414, 5. ⁴ D. el B. 116.
⁵ Reading, AZ. 43, 144. The Gk. form *Nyrt* suggests a medial *t* or *r*.
- 25 ¹ O.K. form of last
- Use as last.
- ¹ TY 46.

Sect. S. Crowns, Dress, Staves, etc.

- S 1**  white crown of Upper Egypt⁰ Ideo. or det. in  var.  ¹ *hdt* 'the white crown'. Det. white crown, exx.   ²  ³ *šmr-s* 'crown of Upper Egypt';   ⁴  ⁵ *wrrt* 'great crown'.
⁰ ABUBAKR, 25. ¹ Urk. iv. 16, 8. ² Sebekkhu 12; BRUNTON, Lahun I 15.
³ Urk. iv. 266, 8. ⁴ CAPART, Recueil de Monuments i. 30.
- 2**  the last in basket  Ideo. or det. in  var.  ¹ *hdt* 'white crown'. Det. white crown, in   ²  ³ *wrrt* 'great crown'.
¹ LAC. TR. 89, 35. ² Kopt. 8, 8. ³ Urk. iv. 16, 11.
- 3**  red crown of Lower Egypt⁰ Ideo. or det. in  var.  ¹ *dšrt* 'red crown'. Det. red crown, ex.   ² *mh-s* 'crown of Lower Egypt'. From Pyr.   ⁴ *nt* 'crown of Lower Egypt' phon. *n*, rare before Dyn. XVIII.⁵ Substituted for  L 2 for superstitious reasons⁶ in  *sdrwty* (?) *bity* 'treasurer of the king of Lower Egypt'; also in   ⁷ *n-sw-bit* 'king of Upper and Lower Egypt'.
⁰ ABUBAKR, 47. ¹ Urk. iv. 16, 8. ² Sebekkhu 12. ³ Urk. iv. 266, 8.
⁴ Pyr. 724. ⁵ See p. 27, n. 4. ⁶ AZ. 51, 57. ⁷ Kopt. 8, 11. ⁸ Urk. iv. 150, 12.
- 4**  the last in basket  Det. red crown, exx.  ¹ *nt* 'net-crown';  ² *mh-s* 'crown of Lower Egypt'. Very rarely phon. *n*,³ like  S 3.
¹ Brit. Mus. 574, 8. Sim. Pyr. 724. ² Brit. Mus. 574, 6. ³ Dyn. XII, AZ. 45, 125; Dyn. XVIII, Urk. iv. 309, 12.
- 5**  combined white and red crowns⁰ Det. double crown in  ¹ *shmty* 'the double crown' of Upper and Lower Egypt, lit. 'the two powerful ones', in Greek *ψχέντη* (*pj-shmty*).
⁰ ABUBAKR, 60; OLZ. 35, 698. ¹ P. Boul xvii. 3, 3. ² Rosetta stone.
- 6**  the last in basket  Ideo. or det. double crown, exx.  ¹ var.  ² *shmty* 'the double crown';   ³ *wrrt* 'the great crown'.
¹ Urk. iv. 565, 14. ² Urk. iv. 278, 6. ³ Urk. iv. 255, 7.
- 7**  the blue crown¹ Ideo. or det. in  ² var.  ³ *bprš* 'the blue crown'.
¹ AZ. 53, 59. ² P. Boul. xvii. 3, 3-4. ³ BR. Thes. 1077.
- 8**  the atef-crown¹ Ideo. or det. in  ² var.  ³ *stf* 'the atef-crown'.
¹ ABUBAKR, 7; an early ex. Sah. 38, Dyn. V. ² Rec. 39, 117.
- 9**  two plumes Ideo. or det. in  ¹ var.  ² *šwty* 'double plumes'.
¹ Urk. iv. 111, 8. ² Urk. iv. 48, 6.

- S 10** Ideo. or det. wreath, exx. ¹ *wshw* 'wreath'; ² var. var. O.K. ³ *mdh* 'fillet'. From this last, phon. *mdh* (*mdh*) in ⁴ *mdh*, var. ⁵ *mdh*, 'hew' and the related noun ⁶ varr. ⁷, ⁸ *mdh(w)* 'carpenter', 'shipwright'.
- ¹ Brit. Mus. 826. ² Brit. Mus. 828, in this and the ex. quoted under 3 often wrongly translated 'girdle'. ³ Urk. i. 98, 12, in the phrase *ts mdh* as above n. 2. ⁴ Urk. iv. 56, 13. ⁵ Urk. iv. 778, 14. Sim. *mdh*, ib. 707, 14. ⁶ Cairo 588. ⁷ Cairo 20441. ⁸ Brit. Mus. 223.
- 11** Ideo. or det. in ¹ var. ² *wsh* (*wsh*) 'collar'. Hence occasionally phon. or phon. det. *wsh* (*wsh*), exx. ³ *wsh* 'breadth'; ⁴ *swsh* 'widen'.
- ¹ Cairo 20539, ii. b 8. ² Mitt. 8, 17; Urk. iv. 54, 3. ³ Urk. iv. 142, 10. ⁴ Urk. iv. 83, 3.
- 12** Depicted with the name ¹ *nbyt* 'collar'.¹ Hence ideo. in var. ² *nbw* ³ 'gold' and the related words. Det. precious metal, exx. *d'm* 'fine gold'; *hd* 'silver'.
- ¹ JÉQ. 60; REC. 35, 231. ² BH. i. 8, 13. ³ Reading from Coptic *noub* 'gold', etc. See too AZ. 8, 20.
- 13** Ex. ¹ *nbi* 'gild', 'fashion'.
- ¹ Brit. Mus. 826, 3.
- 14** In ¹ *hd* 'silver', Coptic *gat*.
- ¹ and
- 14*** In ¹ *d'm* 'fine gold', see under S 40, 41.
- ¹ and
- 15** ¹ pectoral of glass or fayence beads (Dyn. XVIII form) Ideo. or det. in ² *thnt*, var. ¹, var. O.K. ² *thnt*, 'fayence', 'glass', and in other words from the stem *thn* 'sparkle', 'be dazzling'.
- ¹ Möll. Pal. ii. no. 417. ² MAR. Mast. 113.
- 16** ¹ O.K. form of last Use as last.
- ¹ MAR. Mast. 113, qu. under S 15.
- 17** ¹ another O.K. form of S 15 Use as last.
- ¹ Pyr. 454 (W 563).
- 18** ¹ bead-necklace with counterpoise Ideo. or det. in ² *mnit* 'bead-necklace', 'menat'.²
- ¹ Puy. 53-54. ² GARD. Sin. 100.

Sign-list

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- S 19** cylinder-seal attached to bead-necklace¹ Ideo. in var. *sdrwty* (?)² 'treasurer', plur. *sdrwtyw* (?), and in the related ⁴ *sdw* (?) 'precious'.
¹ ÄZ. 35, 106. ² Reading doubtful; see ÄZ. 32, 66; 36, 146; 37, 86.
³ Munich 3, 15, qu. § 212. ⁴ GARD. Sin. 111.
- 20** cylinder-seal attached to bead-necklace (as seen from the front)¹ Ideo. or det. in var. ² *htm* 'seal' and related words. Det. seal, in ³ *sdyt* 'seal'; *abt* 'signet-ring'. Ideo. or det. in var. *shy* 'seal', a unit of value (§ 266, 4). Also as substitute for S 19, ex. *sdrwty* (?) *bity* 'treasurer of the king of Lower Egypt';⁴ also as substitute for E 31 (*sch*).⁵
¹ ÄZ. 35, 106. ² Cairo 20056, c, in the title *sš hr htm*. ³ Siut 5, 7.
⁴ Already PETR. RT. i. 11, 14; 31, 43; JUNKER, *Giza I*, 149. ⁵ Wb. iv. 49, exx. Pyr. 219; Cairo 20520, d 6; BUDGE, 241, 3.
- 21** ring (possibly a plain finger-ring) Det. ring, ex. *iwrw*, var. *rw*, 'ring'.¹ A similar, if not identical, sign in ² *sšw* 'ring' (of silver).
¹ Wb. i. 51. ² Urk. iv. 701, 12.
- 22** shoulder-knot² Phon. *st* (ʃ), ex. *Stt*, var. *Stt*, (1) 'Asia', (2) 'Sehêl', an island in the First Cataract;³ also *st* in var. *sti* 'pour'. Also, for unknown reason, ideo. or det. in O.K. var. ⁴ *ti-wr* 'larboard'; here later apparently replaced by O 17.⁵
¹ Pyr. 36. ² Ann. 29, 33. ³ ÄZ. 45, 24. ⁴ Brit. Mus. 1164, 8.
⁵ Ti 78, 79. See BOREUX, *Études de nautique* 435, n. 8. ⁶ L. D. ii. 96.
⁷ Already Dyn. VI, Gebr. ii. 7.
- 17*** girdle as worn by various gods (Pyr.)² Ideo. in name of the goddess ³ *Šsmmt* (*Šzmtt*) 'Shesmetet'. Phon. *šsm* in ⁴ *šsmt* 'malachite'; also in ⁵ *T-Šsmt* 'To-Shesmet', a region E. of Egypt.
¹ Pyr. 1136. In M.E. the form varies greatly (two varr. in above text), sometimes approximating to S 22 or even to S 12. ² Griff. Stud. 316. ³ Op. cit. 318; Rec. trav. 24, 198. ⁴ Urk. iv. 875. ⁵ BIRCH, Alnwick Castle, Pl. 4.
- 23** knotted strips of cloth¹ Ideo. or det. in *dmd*, var. var. Pyr. ² *dmd*, 'unite' and derivatives. Different from Aa 6.
¹ This conventionalized form, Rekh. 3; earlier forms, ÄZ. 39, 84. ² Pyr. 1036.
- 24** girdle knot¹ Ideo. in ² *tst* (1) 'knot', (2) 'vertebra'. Hence semi-ideo. in *ts*, var. Pyr. ³ *tz*, 'tie', 'bind' and derivatives.
¹ ÄZ. 49, 120. ² M.u. K. 8, 3. ³ Pyr. 1805.
- 25** a garment Cf. O.K. *is*, var. *is*, 'skirt (?)'.² Hence (?) varr. *rw* 'dragoman'.
¹ PSBA. 37, 117. 246. The sign varies considerably in form. ² Wb. i. 27.

S 26 apron

Ideo. or det. in var. ¹ *šndyt*, var. Pyr. ² *šndwt*, 'apron'.

¹ *Rekh.* 4.

² *Pyr.* 369.

(N 18) —¹ a garment

Ideo. or det. in var. ³ *dīw* 'loin-cloth'.

¹ *ÄZ.* 49, 106. A form also occurs, *Dend.* 3. ² *Peas.* Butler 29; *Westc.* 10, 2. ³ *P. Berl.* 10003, 24, in MÖLL. *Pal. i. Pl.* 5.

27 horizontal strip of cloth with two strands of a fringe²

Ideo. or det. in var. ³ *mnhf* 'clothing'.

¹ Sometimes with three (*Urk.* iv. 175, 3) or more strands. ² JÉQ. 38. That the vertical signs are strands, not single threads, is shown by *Medium* 16.

³ Turin 1447.

⁴ See p. 172.

28 strip of cloth with fringe, combined with the folded cloth || S 29¹

Det. in *hbs* (*hbs*) 'clothe', 'clothing'. Det. cloth, ex. *insy* 'red cloth'; *nms* 'head-cloth'; notions connected with clothing, exx. *hry* 'naked'; *hsp* 'conceal'; *kfi* 'uncover'.

¹ O.K. forms supporting this interpretation are: DAV. *Plah.* i. 14, no. 288; *Saqq.* *Mast.* i. 21; L. D. ii. 103, a. For variant forms appearing to combine V 33 and || S 29 see *Ti* 111; PETRIE, *Giseh and Rifeh* 13 G.

29 || folded cloth¹

Phon. s (ʃ); the originating word is unknown. Abbrev. for *snb* in the formula *cnb wd sb* 'may he live, be prosperous, be healthy' (§§ 55. 313).

¹ ÄZ. 44, 76. This cloth is seen in the hands of many statues and was probably used as a handkerchief, *Rec.* 21, 26. See too ÄZ. 58, 151.

30 combination of || S 29 and — I 9 Phon. *sf* in *sf* 'yesterday'.

31 combination of || S 29 and Phon. *sms*, ex. ¹ *sms* 'fighting bull'.

¹ *Urk.* iv. 2, 13.

32 —¹ piece of cloth with fringe²

Ideo. or det. in ³ *sist*, var. Pyr. ⁴ *sist*, 'piece of cloth'. Hence phon. *sis* (*sis*) in *sis*, var. O.K. ⁵ *sis*, 'recognize'.

¹ Thebes, tomb 55.

² Urk. i. 128, 5.

³ JÉQ. 33.

⁴ LAC. *Sarc.* i. 111.

⁵ Pyr. 2044.

33 sandal

Ideo. or det. in ¹ var. Pyr. ² ³ *tbt*, var. Dyn. XVIII ⁴ *tbt*, 'sandal'. Hence semi-phon. or phon. det. *tbt*, later *tb*, in ⁵ *tb* 'be shod'; ⁶ *tbw* 'sandal-maker'.

¹ Cairo 20318, b 7.

² Pyr. 578.

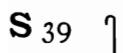
³ Urk. iv. 390, 16.

⁴ LAC. *TR.* 23, 19;

⁵ Dyn. XVIII, *tb*, Leyd. V 38.

⁶ Möll. *HL.* i. 18, qu. p. 354, n. 4.

- S 34 ♀ tie or strap, especially sandal-strap¹ (as symbol of life known as 'the ankh') Ideo. in ♀² ḥnb 'sandal-strap'; semi-ideo. (from resemblance) in ♀ ⲫ³ ḥnb 'mirror', etc. Hence phon. ḥnb, ex. ♀ ⲕ ḥnb 'live'; for the initial ⲕ cf. Ptolemaic var. ⲕ ⲕ⁴ ḥnb and demotic.
- ¹ HASTINGS, *Encyclopedia of Religion and Ethics*, art. Life (Egyptian); *Revue archéologique*, 1925, 101; against this view, SCHÄFER, *Griff. Stud.* 426. ² LAC. *Sarc.* ii. 158. ³ *Adm.* 8, 5. ⁴ DÜMICHEN, *Tempelinschriften* i. 37, 2.
- (V 39) ⲕ¹ tie or straps with a different arrangement of the same elements as ♀ S 34 Ideo. in ⲕ² late var. ⲕ ⲕ³ tit 'the tyet-amulet'.⁴
- ¹ *Griff. Stud.* 426; *Mitt. Kairo* iv. 2. From Dyn. III found as decorative symbol in company with ♀ S 34 and ⲕ R 11† to signify 'life', 'welfare', or like.
- ² BUDGE p. 403, 3, 7. ³ *B. of D.* ed. LEPSIUS, Pl. 75; also as enigmatic sign for -t(t) in writing of the name of Sethos I, *Ann.* 40, 310. ⁴ Of red jasper or glass, in *B. of D.* ch. 156 connected with Isis, see *ÄZ.* 15, 33; 62, 108.
- 35 ⲕ sunshade of ostrich feathers Ideo. in ⲕ¹ var. Pyr. ⲕ ⲕ² šwt 'shadow', 'shade'. Ideo. or det. in ⲕ ⲕ ⲕ³ var. ⲕ⁴ sryt '(military) standard'.
- ¹ *Urk.* iv. 1165, 16. Whether this writing has ever to be read *ḥiybt*, another word for 'shadow' found in Dyn. XX and perhaps earlier, is very doubtful; see *ÄZ.* 39, 120. The actual word for 'sunshade' *bht* is not attested before Dyn. XIX; the older *nft* (*Wb.* ii. 250, 10) means 'fan'. ² *Pyr.* 1487. ³ *Th. T. S.* iii. 21. ⁴ *Th. T. S.* iii. 23.
- 36 ⲕ¹ O.K. form of last (common also in M.E.²) Use as last. In the rare divine name ⲕ ⲕ *Hp(wy)* 'Hepui', doubtless a personification of the two sunshades accompanying the king;³ the reading is ascertained from varr. of a very late word showing the signs ⲕ before that of the fan.⁴
- ¹ Leyd. *Denkm.* i. 7. ² Dyn. XII, *ÄZ.* 39, 117, 8; Dyn. XVIII, *Th. T. S.* i. 23. ³ *JEA.* 30, 29, with n. 4; *ÄZ.* 77, 24. ⁴ *Wb.* iii. 69, 11.
- 37 ⲕ short-handled fan¹ Ideo. or det. in ⲕ ⲕ² var. ⲕ³ *hw* 'fan'.
- ¹ See the pictures *Th. T. S.* iii. 12, 28. ² *Th. T. S.* iv. 38, G. ³ Commonly so in the title *ty* *hw* 'fan-bearer', ex. *Amarn.* i. 34.
- 38 ⲕ crook⁰ Ideo. or det. in ⲕ¹ varr. ⲕ ⲕ¹ ⲕ² *hk(j)t*² 'sceptre'. Hence phon. *hk̄s*, exx. ⲕ ⲕ³ var. ⲕ ⲕ *hk̄s* 'rule'; ⲕ ⲕ⁴ *hk̄st* 'hekāt-measure' (§ 266, 1). Also usually replaces the *awet-sceptre* ⲕ S 39³ in hieroglyphic writing, exx. ⲕ ⲕ⁵ ⲕ⁶ *cwt* 'flock(s)'; Pyr. ⲕ ⲕ⁷ *cwt* 'awet-sceptre'. From the stem *isk* found in two Pyr. words⁶ comes the rare divine name ⲕ ⲕ var. ⲕ ⲕ⁸ *3ks* 'Ak̄s', personification of some part of the royal apparel, later reading *Hks*.⁸
- ⁰ See NEWBERRY, *JEA.* 15, 84. ¹ Cairo 28087, no. 73. ² On the radical , to be understood here see *Rec.* 25, 142. ³ Even in the pictures of the *awet-sceptre*, see Cairo 28083, no. 59; 28087, no. 74, both in LAC. *Sarc.* i. Pl. 45. ⁴ Exx. O.K., *Gemn.* i. 15; Dyn. XII, *Bersh.* i. 7; Dyn. XVIII, *Th. T. S.* i. 9. ⁵ *Pyr.* 202. ⁶ *Wb.* i. 33, 14. 15. ⁷ DE BUCK, i. 184 f. ⁸ *JEA.* 30, 29, n. 3; 31, 116; *ÄZ.* 77, 24.

- S 39 | peasant's crook (N.B. not curved backward like § S 38) Cf.  *cwt*, name of the sceptre of the shape |.¹ Usually replaced in hieroglyphic writing by | S 38, but occasionally phon. *cwt*, ex.  *cwt* 'flocks'.²

¹ Cairo 28034, no. 69 = LAC. Sarc. i. Pl. 45. ² Bersh. i. 27. Sim. O.K., Berl. ÄZ. i. p. 76, 1; DAV. Ptah. ii. 18.

- 40 | sceptre with straight shaft and head of Seth (?)-animal¹ (cf. too § R 19) Ideo. or det. in | *w̄s*, var. Pyr.  *w̄s*, 'uas-sceptre'; hence phon. or phon. det. *w̄s* (*w̄s*), ex.  *w̄s* varr.   *w̄si* 'decay'. In hieroglyphic writing | usually represents also the *djam*-sceptre § S 41, exx.  *d̄m* 'djam-sceptre',⁴ whence phon. *d̄m* in  *d̄m* varr.  *d̄m*⁵ 'fine gold'. Phon. *w̄b* (?) in  *w̄b(wy)* (?) 'the Oxyrhynchite nome', on the evidence of a twice found name of a locality  *w̄bw̄t*. Phon. *īstt* in  *īstt* varr.   *īstt* 'milk', 'cream'.¹⁰

¹ JÉQ. 176. ² Pyr. 1156. ³ Urk. iv. 765, 13. For this curious var. see AZ. 41, 75. ⁴ Pyr. 1456; LAC. TR. 19, 50. ⁵ Reading, AZ. 41, 73; 44, 132; see too under S 41. ⁶ Hamm. 114, 11; 192, 13; see KEES, Gött. Nachr. 1932, 107. ⁷ Munich 3, 3. ⁸ BH. i. 17. ⁹ Turin 1513. ¹⁰ Wb. i. 27; reading from the name of a goddess *'bt*, see Pyr. 131.

For | see R 19; for  see S 14*.

- 41 | sceptre with spiral shaft and head of Seth (?)-animal¹ Cf.  *d̄m*, name of a sceptre of the form |.² Hence phon. *d̄m*, occasionally in inscriptions of Dyn. XVIII in   *d̄mw* 'fine gold'.³

¹ JÉQ. 176; the spiral is well seen in DE MORGAN, Dahchour 1894, p. 96, Fig. 224. ² Ex. Cairo 28034, no. 65 = LAC. Sarc. i. Pl. 45. ³ Urk. iv. 421, 11. See AZ. 44, 132.

- 42 | sceptre of authority¹ (it is impossible to distinguish separate forms for the various uses) Ideo. or det. in  var.  *rb*, 'aba-sceptre'; hence phon. or phon. det. *rb*, exx.   var.  *rb*, 'stela';   *rb*, 'shine'. From a sceptre named  *sh̄m* (*sh̄m*), 'sekhem-sceptre', phon. *sh̄m* (*sh̄m*), exx.  var.  *sh̄m* 'have power';  very late var.  *sh̄m* 'sistrum'.⁷

Ideo. or det. in  var.  *hrp* 'be at head', 'control' and related words, cf. D 44. In titles  is possibly always to be read *hrp*; at all events this reading is verifiable in some cases, exx.  var.  *hrp* *nsty* 'controller of the two seats', a priestly title;⁸  *hrp* *kst* 'controller of works', cf.  *hrp* *kst* 'to undertake works', 'constructions'.⁹

¹ JÉQ. 181; as hieroglyph, Hier. p. 57. ² Pyr. 866. ³ Leb. 63. ⁴ Cairo 20061. Sim. Brit. Mus. 101. ⁵ LAC. Sarc. ii. p. 168. ⁶ Rekh. 2, 9.

⁷ GARD. Sin. 102-3. ⁸ AZ. 47, 91. Sim. *hrp srkt* 'controller of the scorpion', PSBA. 39, 34; *hrp ḥndwt nbt* 'controller of all aprons', PETRIE, Gizeh and Rifeh 27 o, recto 2, compared with Rekh. 4. ⁹ See Louvre C 172, qu. Exerc. XIII, (a).

- S 43 || walking-stick¹ Ideo. in ||¹ var. Pyr. ||³ *md(w)* 'walking-stick', 'staff'.
Hence phon. *md* in ||¹ var. Pyr. ||⁴ *m(w)dw*⁵
'speak' and derivatives.
- ¹ JÉQ. 159. Important for the use as a walking-stick is the title *mdw ḥrw* 'staff of old age', GRIFFITH, *Kahun Papyri*, p. 30. ² LAC. *TK.* 23, 21. ³ Pyr. II 44. ⁴ Pyr. 1014. ⁵ Reading, *Verbum* i. § 481.
- 44 |¹ walking-stick with flagellum \wedge S 45² Ideo. or det. in |¹ ||¹ var. |¹ *ms* (*ms*) 'ames-sceptre'.
¹ Ex. *Medium*, frontispiece. ² JÉQ. 163; *Wh.* i. 11.
- 45 \wedge flagellum; perhaps originally an instrument used by goat-herds for collecting ladanum¹ Ideo. or det. in $\text{---} \wedge$ ² *nḥhw*, varr. $\text{---} \wedge$ ³ *nḥb*, ³ \wedge ⁴ *nḥb*, 'flagellum'.
¹ NEWBERRY, *JEA.* 15, 86; see too JÉQ. 187; the conventional name 'flagellum' is here retained. ² NAV. ch. 182, 14. ³ LAC. *Sarc.* ii. 164. Cf. *nḥb*, 'shake', Pyr. 2204. ⁴ Leyd. *Denkm.* iv. 28.

Sect. T. Warfare, Hunting, Butchery

- T I \leftrightarrow ¹ prehistoric mace with cup- or dish-shaped head² Cf. --- *mnw* 'mace', name of this type of mace on M.K. coffins.³ Hence phon. *mnw*, exx. --- var. Pyr. --- ^{3a} *m n-k* 'take to thyself' (§ 336); $\text{---} \text{---}$ var. $\text{---} \text{---}$ *Swmnw*, var. $\text{---} \text{---}$ *Smnw*, 'Sumenu', a town where Sobk was worshipped, possibly Er-Rizeikât, 14 km. N. of Gebelén.⁴
- ¹ Pyr. 57. ² WOLF, *Bewaffnung* 4; SCHARRF 25. ³ LAC. *Sarc.* ii. 162; JÉQ. 201. ^{3a} Pyr. 912. ⁴ AEO. ii. 275*.
- 2 --- ¹ mace with pear-shaped head² in act of smiting Det. in | --- *skr* (*skr*),³ var. | --- *sk(r)i*, 'smite'.
¹ Ex. O.K., *Sah.* i. ² WOLF, *Bewaffnung* 4. ³ Urk. iv. 780, 11
- 3 --- ¹ mace with pear-shaped head¹ (vertical) Ideo. in |¹ var. | --- ³ *hd* 'mace'. Hence phon. *hd*, exx. | --- ⁴ var. | --- ⁴ *hd* 'damage'; | --- ⁵ *hd* 'be bright', 'white'.
¹ WOLF, *Bewaffnung* 6. ² LAC. *Sarc.* ii. 18, no. 99. ³ Mitt. viii. Pl. 3. ⁴ Situ i, 224.
- 4 --- ¹ the same with a strap to pass round hand¹ Use as last.
¹ WOLF, *Bewaffnung* 6. Exx. LAC. *Sarc.* i. 94, no. 66 (*hd* 'mace'); *Hier.* 7, no. 85 = *Bersh.* i. 30 (in name *Sit-Hdhtp*); *D. et B.* 110 (*hdw* 'onions').
- 5 --- ¹ combination of | T 3 and --- I 10 Use as last.
- 6 --- ¹ combination of | T 3 and two --- I 10 Phon. *hdd*, ex. $\text{---} \text{---}$ ¹ *hddwt* 'brightness'.
¹ Brit. Mus. 552, qu. Exerc. XXV, (a).
- For --- see O 2; for --- see S 14.

T 7  axe¹

Det. in O.K.  ² *mibt* 'axe', which is undoubtedly related to M.K.  ³ var.  ⁴ *minb* 'axe'. Det. in  ⁵ *mdh*, var.  ⁶ *mdh*, 'hew', and ideo. in the related word  ⁷ var.  ⁸ *mdh(w)* 'carpenter', 'shipwright'.

¹ Ex. O.K., DAV. *Ptah*. i. 13, no. 280. This type was used alike for battle and for hewing wood, WOLF, *Bewaffnung* 8. ² *Ti* 119. ³ *Sin. R* 160. ⁴ LAC. *Sarc.* ii. 13, no. 20 (collated), beside picture of an axe. See GARD. *Sin.* 51. 159. ⁵ *Urk.* iv. 778, 14. ⁶ See under S 10. ⁷ Cairo 20268, a; 20528, h. ⁸ See under S 10.

7*  axe of more recent type¹ Det. in  ² *skhw* 'axe'.

¹ From Dyn. XII onward, WOLF, *Bewaffnung*, Pl. 3. also without handle, ib. 39, 3.

² *Urk.* iv. 39, 1;

8  dagger of archaic type¹ Det. of  ² *mtpt* 'dagger'.² Phon. in  var.  ³ *tph* 'chief', 'first', 'being upon' (§ 80), value probably derived from an obsolete word *tph* 'dagger' found only once (written )³ and obviously related to *mtpt* mentioned above.

¹ JÉQ. 195; WOLF, *Bewaffnung*, Pl. 13 (=Pl. 4, 1); worn, *Sinai*, Pl. 1. As hieroglyph, PETR. *Eg. Hier.* nos. 757–61; outstanding features the -shaped knob and rib-less blade. ² Legend to picture on M.K. coffins, exx. LAC. *Sarc.* i. Pl. 43, nos. 264, 265, 269; *Wb.* ii. 170, 6 renders 'dagger-sheath' probably on account of the formative *m-*. ³ *Mitt.* viii. Pl. 5.

8*  dagger of M. K. and Det. in  ² *b(i)gsw* 'dagger'.²
later type¹

¹ JÉQ. 197; WOLF, *Bewaffnung*, Pl. 4, nos. 6 ff.; often with crescent-shaped or pierced circular top and ribbed blade. ² *Urk.* iv. 38, 15; also as picture with legend *mgsw=b(i)gsw* on M.K. coffins, LAC. *Sarc.* i. Pl. 43, nos. 255, 257, 259, 261, there often contrasted with the dagger *mtpt*, see above T 8.

9  bow consisting of oryx horns joined by a wooden centre-piece¹

Ideo. or det. in  ² var.  ³ *pdt* 'bow'. Hence phon. (semi-ideo.) or phon. det. *pdt*, later *pd*, in Pyr.  ⁴ var. Dyn. XVIII  ⁵ *pd*, later var.  ⁶ *pd*, 'stretch' and the related words.

¹ WOLF, *Bewaffnung* 15, 27; actual specimens in Dyn. I tombs, PETR. *RT.* ii. Pl. 7 A (p. 26); Pl. 36, 35–6 (p. 38). ² LAC. *Sarc.* ii. 161. *Sin. Pyr.* 673. ³ *Sin. B* 127. This bow regularly in hieratic. ⁴ Pyr. 650. ⁵ *Urk.* iv. 977, 2. ⁶ BUDGE, p. 38, 7.

9*  better O. K. form of Use as last. T 9¹10  composite bow with middle tied to bow-string when out of use¹

Det. in Pyr.  ² *iwnt* 'bow'. From Dyn. XII on preferred to  T 9 in the hieroglyphic writing of  ³ var.  ⁴ *pdty* 'bow', 'foreign people', 'troop';  ⁵ *pdty* 'bowman', while  is preferred for phon. *pd*, *pd*.⁶

¹ WOLF, *Bewaffnung*, 14, 26. Of Asiatic origin and at first reserved for the king and high personages. So depicted already BISSING, *Rē-Heiligtum* ii. 13. ² Pyr. 1644. ³ Amada 3. ⁴ BH. i. 7 (*pdty* 9 'Nine Bows'). ⁵ Amada 3. ⁶ See particularly *Urk.* iv. 977, 2.

Sign-list

EGYPTIAN GRAMMAR

- (Aa 32) ፩ archaic type of bow¹ Ideo. or det. in —፩³ *Tȝ-St(i)*, varr. Pyr. —፩⁴ —፩⁵ *Tȝ-Zt(i)*, 'Nubia'; *sty*, a Nubian mineral.⁸
 (sometimes written
 ፩, from Dyn. XVIII
 also —²)
 Also as var. of — T 11 with value *sšr* and obscure sense
 in offering-list.⁹
- ¹ MONTET, *Kêmi* 6, 43; SCHARFF, 38, 139; depicted QUIBELL, *Hierakopolis*, I, Pl. 19; II, Pl. 58; CAPART, *Débuts de l'Art*, Pl. 1. Later apparently surviving only in Nubia. ² Urk. iv. 7, 3, qu. Exerc. XXXII, (a). ³ ÄZ. 45, Pl. 6, 7. ⁴ Pyr. 994. ⁵ Pyr. 1867; see too ÄZ. 45, 128. ⁶ BUDGE, p. 284, 12. ⁷ Urk. iv. 1099, 11. ⁸ See Rec. 39, 22. ⁹ *Kêmi* 6, 57.

T 11 — arrow

Det. in *rḥ*, 'arrow'; *shr* (*sšr*)³ 'arrow'; from the latter, phon. det. in *shr* 'overlay'. Doubtless from an obsolete *zin*, *zwn* 'arrow', phon. or phon. det. *sin*, *swn* (*zin*, *zwn*), exx. *swn*, var. Pyr. ፩⁵ *zin*, 'perish'; *swnt* 'sale'; 'physician' *swnw*, var. O.K. *zinw*(?), the M.E. reading *swnw* on the evidence of a var. *wr* *swnw* 'chief of physicians', but Coptic has *saein*.

¹ Urk. iv. 190, 12. ² P. Kah. 1, 4. ³ Pyr. 1866. ⁴ Adm. 5, 2.
⁵ Pyr. 617, 725; may here read *in*, see *Sitz. Berl. Ak.* 1912, 962.
⁶ GRIFFITH, *Kahun Papyri*, p. 35. ⁷ Wb. iii. 427, 13.

12 bow-string¹

Ideo. or det. in *rwd*, varr. Pyr. *rwd*, 'string', 'bow-string'. Hence phon. or phon. det. *rwd*, *rwd*, exx. *rwd*, var. Pyr. *rwd*, 'be hard', 'firm'; *rwdt*, var. *rwdt*, 'sandstone'. Ideographic det. in *sr* 'restrain'; hence phon. det. *sr*, *si*, exx. *msi(r)* 'wretched'; *dsi(r)*, abbrev. *dir*, 'subdue'.

¹ WOLF, *Bewaffnung* 48. See *ib.* 56-7 against the theory, supported *PSBA*. 22, 65, that the sign as represented depicts a sling. ² P. Kah. 1, 5 certainly meaning 'bow-string'. ³ Pyr. 2080. ⁴ Pyr. 684. ⁵ Pyr. 197. ⁶ Urk. iv. 845, 14.
⁷ Sin. B 50, cf. *ib.* R 74; Sh. S. 132.

13 pieces of wood joined and lashed at the joint²

Semi-ideo. (?) in var. *rs* (*rs*)³ 'be wakeful', 'vigilant' and derivatives; phon. *rs* in var. *rst* 'foreign hordes'.

¹ *Rekh.* 22. O.K. form *Tȝ 80*. For a later degraded form due to hieratic see U 40. ² Associated with the bow in Pyr. 921, 1245 and evidently part of the Bowman's equipment. On the other hand, from writings like Pyr. 502, 597, 1502 several appear to form a shelter. A set of four, with names *pȝ-tȝt*, *nw-n-ntr*, *tr(y)-ntr*, *dbȝ-ntr*, is depicted on M.K. coffins. One may perhaps compare the mantlet or shelter used by the Babylonian archers. Discussed JEQ. 223. ³ For ⁴ see Pyr. 126. ⁴ Amada 5. Sim. Ann. 39, Pl. 25, 2; Urk. iv. 200, 17.
⁵ Louvre C 14, 10.

- T 14 | (1) throw-stick, (2) club as a foreign weapon of warfare¹
- (1) Det. in ² *emst* 'throw-stick' with the related verb *em3* 'throw'; also in ³ *km3* 'throw' and the kindred ⁴ *km3* 'create', 'form' and derivatives. The combination in *km3* above-quoted and in *tni* 'distinguish' (from a *ἀπαξ λεγόμενον* ?) indicates that | is here the throw-stick, not the club; see on G 41. (2) As club, | is found in var. Pyr. ⁵ *Thnw* 'Libya'; varr. , O.K. ⁶ *cm* 'Asiatic'. Extended gradually as det. to all foreign peoples and countries, exx. ⁷ *Tmhi* 'Temhi-land'; ⁸ var. ⁹ *Nhsy* 'Nubian'. (3) | takes the place of various other signs, partly due to identity or close similarity in hieratic; thus it takes the place (a) of | Aa 26 in ¹¹ *sbi* 'rebel'; (b) of | M 3 in ¹² *dfr* 'search for'; (c) of | P 11 in ¹³ *m(i)ni* 'moor'; (d) of | T 13, see under that sign; (e) probably also of | D 50 in ¹⁴ *mtr* 'witness' and the like, though examples of such confusions in modern publications may sometimes be due to inexact copying.
- ¹ WOLF, *Bewaffnung* 7, 57. ² LAC. *TR.* 22, 69; *Wb.* i, 186. ³ LAC. *TR.* 22, 71. ⁴ *Urk.* iv, 1044, 5. ⁵ *Urk.* i, 127, 2. ⁶ *D. elB.* 114. An ex. without the vases on a palette of Dyn. I, *AZ.* 52, 57. ⁷ Pyr. 455. ⁸ *Urk.* i, 101, 9. For the various spellings of this word see W. MAX MÜLLER, *Asien und Europa* 121. ⁹ *Sin.* R 12; det. of this word already in O.K., *Urk.* i, 125, 16. ¹⁰ *Urk.* iv, 84, 1. *Sim.* M.K. as m. personal name, Cairo 20680. In O.K. and as a rule in M.K. the club is absent from *Nhsy*. ¹¹ Before Dyn. XIX only in the personal name *Pt-Nhsy*, ex. *Sinai* 221. ¹² Exx. *Hamm.* 114, 12; *Kopt.* 8, 7. ¹³ Cairo 20254, a; 20765. ¹⁴ *Paheri* 3. ¹⁵ Hieratic consistently shows the finger D 50, exx. *Sin.* B 33; *P. Kah.* 13, 30.
- 15 |¹ O.K. form of last Use as last.
¹ *Sah.* I (*Thnw*).
- 16 ¹ scimetar Det. in ² *bps* 'scimetar'.
- ¹ Exx. *DAV. Ken.* i, 20; *Urk.* iv, 726, 17. See WOLF, *Bewaffnung* 66.
- 17 chariot Ideo. or det. in ¹ var. ² *wrrt* 'chariot'.
¹ Ex. *Urk.* iv, 704, 15. ² *Urk.* iv, 712, 10.
- 18 | crook | S 39 with a package containing a knife, etc. lashed to it¹ Ideo. in rare var. ² *sms*, Pyr. var. ³ *sms*, 'follow', 'accompany' and derivatives.
- ¹ The sign probably depicts the equipment of an early chieftain's attendant, *Bull.* 3, 12, n. 2; so too SCHÄRFF 45; however, SETHE, *Commentary on Pyr.* 230 c, adheres to CAPART's explanation as an instrument for the execution of criminals *AZ.* 36, 125. ² Cairo 20001, qu. § 217. ³ *Pyr.* 953.

- T 19**  harpoon-head of bone Det. in  *ks* (*ks*) 'bone', 'harpoon'.⁰ Hence phon. or phon. det. *ks* (*ks*), in  var. Dyn. XVIII  *ksn* 'be irksome'; *kr̥s* (*kr̥s*), in  *kr̥s* 'bury' and derivatives. For reason unknown, phon. or phon. det. *gn* in  var.  *gnwt* 'annals'; possibly also in  var.  *gnwty* (?) 'sculptor' (in relief), reading not fully established.¹ Det. bone, ex.  *sb* 'ivory'; tubular, exx.   ² *m̥swt* 'shaft';  ³ *twr* 'reed (?)', whence phon. det. in  ⁴ *tw(r)i* 'be pure'.
- ⁰ In sense 'harpoon', *Pyr.* 1212. ¹ See MONTET 291. ² *Urk.* iv. 666, 15.
³ *Eb.* 55, 16. ⁴ *Urk.* iv. 752, 11.
- 20**  ¹ O.K. form of last Use as last.
- ¹ Ex. *Dav. Ptah.* i. 15, no. 339. Of bone or metal, PETRIE, *Tools and Weapons*, Pls. 43, 44.
- 21**  one-barbed harpoon Ideo. in  var. Pyr.  ² *wr* 'one' and derivatives.
 (rarely vertically  ¹) ¹ Ex. *Urk.* iv. 194, 2. ² *Pyr.* 1226.
- 22**  two-barbed arrow-head¹ Ideo. in  *snw*, O.K. var.  ², 'two' and in related words like  *sn* (*sn*) 'brother'. Hence phon. *sn* (*sn*),^{2a} exx.  ³ *sn* (*sn*), var. Pyr.  ⁴ *sin*, 'smell', 'kiss';  ⁵, *sntr* 'incense'.
- ¹ Not a spear-head, but an arrow-head, SCHARRF 33; among earliest exx. (PETR. *Eg. Hier.* 753-6) is one with quite short shaft; for later lengthening cf. the sign for 'foot' (D 58); the two barbs yield the notion of duality, contrast the sign for 'one' (T 21), *AZ.* 47, 36. ² *Urk.* i. 147, 3. ^{2a} For *s* see *sn̥l* 'loose', *Pyr.* 1100. ³ So already *Pyr.* 1323. ⁴ *Pyr.* 1027, unless a different word.
- 23**  ¹ alternative form of last Use as last.
 (Dyn. XVIII) ¹ Ex. *Tk. T.S.* iii. 21.
- 24**  ¹ fishing-net² Det. in  ³ *rh*, var.  ⁴ *ih*, 'net' animals. Hence phon. *rh* or *ih*, exx.  *rht* 'field', 'holding';  *rhwty*, *ihwty* 'field-labourer', 'tenant-farmer'.
- ¹ *Rekh.* 3, 18; reversed, *ib.* 5. ² *PSBA.* 22, 152; in historic times, however, only used of netting desert animals; see too MONTET 89. ³ *Urk.* iv. 248, 2.
⁴ *Bersh.* i. 7; see *Sphinx* 12, 107. ⁵ For the two senses see *JEA.* 27, 21.
- 25**  reed-floats used in fishing and hunting the hippopotamus¹ Cf.  *db̥w* 'floats'.² Phon. *db̥s*, exx.  var. Pyr.  ³ *db̥s* 'clothe', 'adorn';  *db̥s*, var.  *db̥s*, 'replace'.
- ¹ DAV. *Ptah.* i. p. 37. ² BUDGE, p. 390, 13. ³ *Pyr.* 272. ⁴ *Peas. B* 1, 49.

- T 26**  ¹ bird-trap ²
Ideo. or det. in  var.  *sbt* (*sbt*) 'trap,' 'snare (birds)' and derivatives.
¹ Exx. Dyn. XVIII, *Hier.* 5, no. 52; *Rekh.* 21. ² See MONTET 53.
- 27**  ¹ O.K. form of last
Use as last.
¹ DAV. *Ptah.* i. 15, no. 335, adapted to suit reduction in size.
- 28**  butcher's block ¹ (to be distinguished from  W 11 and  W 12)
Semi-ideo. (?) in  var.  *hr* ² 'under' (§ 166). Phon. *hr*, exx.  *mhr* 'storehouse';  *hrt* 'portion', 'due'.
¹ Deduced from T 29. ² Reading due mainly to the consideration that this preposition never interchanges with *hr* (§ 167). The hieroglyphic evidence is conflicting,  being substituted for  in *hrp* = *hrp* 'control', *Pyr.* 1143, and in *shr* = *sh* 'counsel', Cairo 20026, but for  in *hrd* 'child', BR. *Thes.* 1527; Vienna 64.
- 29**  combination of  T 30 and 
Ideo. in  var.  ¹  ² *nmt* 'place of slaughter'.
¹ Urk. iv. 163, 8; see *Pyr.* 214, where the knife is over the block, whereas elsewhere (exx. *Pyr.* 811, 865) the two signs are written as a monogram. ² Urk. v. 80, 14.
- For  see R 10; for  see W 5; for  see N 7.
- 30**  knife (used early ¹ also as substitute for the saw )
Det. knife, ex.  *ds* 'knife' (semi-ideo. in   *ds* 'flint'); sharp, in  *dm* 'be sharp', 'pronounce (name)'; cut, exx.  *sd* 'cut down';  *rhs* 'slaughter';  *hti* 'carve'. Note the abbrev.  *dmt* ² 'knife'.
¹ Ti 133, as det. of *wst* and *tf*. ² In *hry-dmt* 'sufferer (?)', Eb. 40, 6; reading from Metternich stela 82, see *Hier.* p. 50. *Wb.* v. 450 takes as referring to the surgeon's knife, but this seems doubtful.
- For  see D 57
- 31**  knife-sharpener (?)
Phon. *s̄m* (*s̄m*) in  varr.  ²   *s̄m* (*s̄m*) ³ 'guide', 'lead' and derivatives.
¹ This description rests on the supposition that the sign was originally identical with T 33, as would appear from *Pyr.* 70; see below on that hieroglyph. ² *Siu* 1, 247. ³ Reading, *Kec.* 14, 18. For *s̄* see *Pyr.* 70.
- 32**  combination of  T 31 and 
Phon. *s̄m* in   *s̄m* (*s̄m*) 'guide', 'lead'.
- 33**  ¹ knife-sharpener as carried by butcher (O.K.) ²
Ideo. in  *s̄m* (?) ³ 'butcher'.
¹ *Medum*, 14. Sim. L. D. ii. 4 (tomb of Metjen). ² MONTET 158.
³ The reading *s̄m* rests on the assumption that  T 31 was originally of this form. In the tomb of Metjen (Dyn. III) the sign for *s̄m* (L. D. ii. 6) is almost identical with the butcher sign (see above n. 1). Possibly we have here to do with a single sign which is becoming differentiated for distinct uses.
- 34**  ¹ butcher's knife
Ideo. in  ² *nm* 'knife(?)'. Hence phon. *nm*, exx.   *nmh* 'orphan';    *hnms* 'friend'.
¹ BH. iii. 5, nos. 63, 65. Sim. Dyn. XVIII, *D. et B.* 74. ² Karnak, chamber of Annals, Tuthmosis III, in offering list immediately before *hp* 'foreleg of ox'. Sim. GAYET, *Temple de Louxor* 26.
- 35**  ¹ alternative form of last
Use as last.
¹ Exx. O.K., *Gemn.* i. 11; Dyn. XVIII, *Th. T. S.* i. 7.

Sect. U. Agriculture, Crafts, and Professions

U 1  sickle¹

Ideo. in  *m̄s*, 'sickle-shaped end' of the *wis*-boat  P. 3.
Hence phon. *m̄s*,³ exx.  *m̄s* 'see';  *m̄s* 'mat'. In group-writing (§ 60)  is used for *m̄s*.⁴ A sign similar, but not quite identical, in shape is used as det. in  *ssy* 'reap'; also perhaps in  *h̄bb*, var.  *h̄bb*, 'crookedness'.

¹ *Medium*, frontispiece, no. 8; DAV. *Ptah*. i. 13, no. 282. ² LAC. *TR*. 27, 1. 2; BUDGE, p. 212, 7. ³ For the initial *m̄* cf. Coptic *m̄d* 'truth', *m̄w* 'lion', *m̄h* 'burn'. ⁴ BURCHARDT § 56. ⁵ *Urk.* v. 161, 16. ⁶ *Pear.* B 1, 107. ⁷ *Adm.* p. 107; possibly both here and in *Pear.* the lower part of the sickle only. *H̄b* is a name of the sickle, see *Wb.* iii. 361, 14.

2  alternative form of last Use as last.3  combination of  U 1 and  D 4 In  *m̄s* 'see'.4  combination of  U 1 and  Aa 11 In  *m̄st* 'truth' and the related words.5  alternative form of last Use as last.For  see G 3; for  see G 46; for  see S 31.6  hoe

Det. cultivate, hack up, exx.  *cd* 'hack up';  *bbs* 'cultivate', 'hoe'. For unknown reason,¹ phon. *mr̄*,² exx.  *m̄ri* 'love';  *mr̄ht* 'unguent'. Sometimes in place of  U 8, phon. *hn*, ex.  *hn* 'go', 'depart'.

¹ *Wb.* ii. 98, 11 quotes as gloss in the *Sign Pap.* Pl. 4 the otherwise unknown word *mr̄tw* 'hoe', but only a very uncertain trace of  is there. ² For the initial *m̄* cf. Coptic *m̄d* 'love', *moūr* 'bind', *emrō* 'harbour'.

7  alternative form of last Use as last.8  ¹ hoe, without the rope connecting the two pieces Det. in Pyr.  ² 'hoe'. Hence phon. *hn*, ex.  *hnw* 'hnw-bark'.¹ Already Dyn. IV, *Medium* 15. ² Pyr. 1394. ³ NAV. ch. 1, 21.9  corn-measure with grain pouring out

Det. grain, exx.  *bdt* 'emmer';  *ss̄r* (old *ss̄r*)² 'corn'; measure, exx.  ¹ *bs̄* 'measure';  abbrev. *hk̄t* 'hekat-measure' (§ 266, 1).

¹ Cairo 20500. Sim. *Urk.* iv. 64, 1.² Reading, see *Bull.* 30, 179.

- U₁₀**  the same beneath ¹ Ideo. in  var. Pyr. 1 'barley', 'corn'. Sometimes in Dyn. XVIII instead of  U 9 as det. grain, ex.  bly (from *bdt*) 'emmer'.
¹ Pyr. 1880. ² Paheri 3.
- I₁₁**  combination of  S 38 In  hkit 'hekāt-measure' (§ 266, 1).
¹ Puy. 35.
- I₁₂**  combination of  D 50 In  hkit 'hekāt-measure' (§ 266, 1).
¹ Puy. 36.
- (O₃₀)**  pitchfork Det. in  rbt 'fork'.¹ Possibly not a pitchfork as phon. or phon. det. *sab* (*sdb*), later *sdb*, in  sdb, var. Pyr. 1² *sdb*, later  sdb, 'hindrance', 'obstacle'.
¹ MONTET 227. Sometimes with three prongs, *Wb.* i. 176. ² Pyr. 315.
- I₁₃**  plough Det. plough, in  hb 'plough' (n.);  sks 'plough' (vb.); also in  prt 'seed'. From *hb* 'plough', phon. *hb*, exx.  var. O.K.  hbny 'ebony';  var.  hbnt, a liquid measure (§ 266, 1). From Dyn. V onwards replaces  U 14 as phon. or phon. det. *snr* in  snr 'repel';  snew 'policing';  var.  snr⁴ 'magazine' 'ergastulum'.
¹ Ti 66. ² Urk. iv. 748, 17. ³ Leyd. V 88, qu. Exerc. XXVI, (a).
⁴ Reading, *Rec.* 24, 93.
- I₁₄**  two branches of wood joined at one end² Old sign for *snr* later replaced by  U 13.
¹ *Medum* 15 in a place-name *Snrt*; slightly different, *ib.* 12. Elsewhere in O.K. replaced by the plough, exx. *Ti* 86; *Pyr.* 1209. ² This possibly represents a contrivance for straightening or bending wooden staves, *Ti* 132 = MONTET 311.
- I₁₅**  sledge Cf.  tm¹ 'sledge'. Hence phon. *tm*, exx.  tm 'be complete' (§ 342);  htmt 'perish'.
¹ BUDGE, p. 38, 14. Sim. *ib.* p. 210, 12.
- I₁₆**  sledge with head of a jackal (Copt. *wōn^esh*) bearing a load of metal (?)² Det. in  wns 'sledge'.^{2a} Ideo. (?) in Pyr.  bisi 'of copper' (adj.). Hence perhaps phon. or phon. det. *bis* in  var.  by (orig. *bis*) 'wonder' and related words; for the reading cf.  bist 'wonder' (n.).
¹ Puy. 30; a rather different form *Pyr.* 800. ² ÄZ. 53, 51, n. 2. ^{2a} Ann. 39, 189; see too *JEA.* 31, 38. ³ *Pyr.* 800. However, this sign is seldom written in this word, and never in the noun *bis* 'copper', rendering the explanation doubtful.
⁴ Urk. iv. 612, 6. ⁵ Hamm. 110, 2.
- I₁₇**  pick excavating a pool  N 38 Ideo. in  varr.  grg 'found', 'establish', 'snare'. Hence phon. det. *grg* in  varr.  grg² 'falsehood', 'lie'.
¹ Spellings, *Verbum* i. § 338. ² Urk. iv. 1031, 10.

Sign-list

EGYPTIAN GRAMMAR

U 18  ¹ O.K. form of last

Use as last.

¹ L. D. ii. 7 (tomb of Metjen, Dyn. III).

19  adze

Ideo. in Pyr.  ¹ var.  ¹ *nwt* 'the two adzes'. Hence phon. *nw* in the group  or , exx.  *nw* 'this' (§ 110);  *nwh* 'rope'. In group-writing (§ 60)  is used for *n*.²

¹ Pyr. 311. A ceremonial adze called *nw*, *Th. T. S. i. 17*. ² BURCHARDT § 69.

20  ¹ O.K. form of last

Use as last.

¹ *Gemn. i. 11*. A somewhat similar sign in O.K. as det. of *cnt* 'nail', 'claw', *Wb. i. 188*; *Klmt. iv. 179*.

21  adze at work on a block
of wood

Det. in O.K.  *stp*¹ 'cut up' ox. Hence semi-ideo. or phon. *stp* (*stph*), in  var.  *stp* 'choose' and derivatives; inaccurately also *stph*, in  *stph*, var. Pyr.  *stph*, 'leap up'.

¹ Ex. *Ti* 127.

² *Urk. v. 147, 4*.

³ Pyr. 947.

22  chisel

Det. in O.K.  *mnh* 'fashion', 'carve' and  *mnh*² 'chisel'. Hence semi-ideo. in  *mnh* 'be efficient' and the related words.

¹ Ex. *Ti* 120.

² Leyd. *Denkm. iv. 14*.

23  chisel (?)⁰

For unknown reason, phon. *mr*,¹ exx.  *mr* 'be ill';  *smr* 'friend', 'courtier'. Also for unknown reason, phon. *sb*,² exx.  *sb* 'desire';  *sb* 'be united in'.

⁰ A similar object is seen used as hair-pin on a Dyn. XI coffin, *Griff. Stud. 134*; Reisner, however, preferred the explanation as a chisel, since no such hair-pins are found early; so too SCHARFF 43; oldest forms, PETR. *Eg. Hier. 801-8*. ¹ Reading from varr. of *mr* 'pyramid', Pyr. 1649, 1671. ² Reading from varr. of *sbw* 'Abydos', Pyr. 794, 798. The view that the original form of the sign, when it has the value *sb*, was a leopard's hide (see Rec. 9, 158) is very doubtful, in spite of the word *sb* 'leopard', since from the earliest times the phonetic value of the leopard's (really cow's) hide was *sb*, not *sb*; see on F 28.

For  see Aa 21, 22.

24  ¹ stone-worker's drill
weighted at the top
with stones (Dyn.
XVIII)²

Ideo. in  var. O.K.  *hmt*³ 'craft', 'art' and the related words.

¹ Thebes, tomb 93. Sim. *Rekh. 16*.

² See the pictures *Gebr. i. 13*; *Rekh. 17*.

³ *Urk. i. 53, 13*, in collective sense for 'body of craftsmen'. ⁴ Reading, Rec. 9, 164. For this see too Coptic *qamwē* = *hm-bt* 'worker in wood'; *qamwōt* = *hm-bw* 'gold-worker'.

- U 25**  ¹ O.K. form of last Use as last.
¹ *Sagg. Mast.* i. 39, no. 65.
- 26**  ¹ drill being used to bore a hole in a bead ² (Dyn. XVIII) Ideo. in  var.  var. Pyr.  ³ *wbs*, 'open up' and derivatives.
¹ *Exx. Rec.* 22, 107, Plate; *Th. T. S.* iii. 5. ² See the picture *Gebr.* i. 13.
³ *Pyr.* 1205.
- 27**  ¹ O.K. form of last (also used later ²) Use as last.
¹ *Ex. Gebr.* i. 13. ² *Dyn. XII, Bersh.* i. 27; *Dyn. XVIII, Puy.* 54.
- 28**  ¹ fire-drill ² (Dyn. XVIII) Cf.  ³ *dš*, 'fire-drill'. Hence phon. *dš*. ⁴ exx.  *dši* 'ferry across';  *hds* 'pillage';  *dst* ⁵ 'remainder'. Abbrev. for *wds* in the formula  *rnb wdš snb* 'may he live, be prosperous, be healthy' (§§ 55. 313). In group-writing (§ 60)  or  is phon. *dš*.
¹ *Exx. Puy.* 9; *Th. T. S.* iii. 26, 6. ² *Hier.* p. 50. ³ *Sh. S.* 54; see *AZ*. 43, 161; 45, 85. ⁴ Reading partly from varr. of *dšit* 'council' (*Pyr.* 309, 1713), partly from Coptic equivalents, ex. *ογκας = wdš* 'be hale', 'sound'. ⁵ *Wb.* i. 404, 2 accepts *wdšt* as the N.K. reading on the evidence of L.E. variants, see SPIEGELBERG, *Rechnungen aus der Zeit Setis I*, p. 40; but the relation of L.E. *wdšt* to older *dšt* may be like that of L.E. *wsḥ* 'breadth' to O.E. *sw*, and *Wb.* v. 517 is probably right in taking *dšt* as the M.E. reading. ⁶ BURCHARDT § 150.
- 29**  ¹ O.K. form of last (also common later ²) Use as last.
¹ *Dav. Ptah.* i. 13, no. 287. ² *Exx. Dyn. XII, BH.* i. 8, 10; *Dyn. XVIII, Th. T. S.* i. 1.
- 30**  potter's kiln Ideo. in O.K.  ¹ *tš*, 'kiln'. Hence phon. *tš*, exx.  *tš* 'be hot';  *štš* 'mysterious', 'difficult'. In the geographical name  ² *Ht* 'Hittite land'  should be read simply *t*, not *tš*, cf. Hebrew *תְּהִתָּה* (§ 60).³
¹ *Ti* 84; see too the pictures *ib.*; *BH.* i. 11. ² *Urk.* iv. 701, 11.
³ BURCHARDT § 131.
- 31**  ¹ instrument employed in baking (?) Ideo. or det. in  var.  ² *rthty* ³ 'baker'. Hence det. in the related words  *rth* 'restrain';  *ith* 'prison'. Probably for some reason connected with its use ideo. or det. in  *bn(r)i* 'restrain';  ⁴ *bnrt*, var.  ⁵ *hnt*, 'harim'. Through similarity in hieratic, sometimes substituted for  D 19 or D 20, ex. ⁶ *ssnt* 'breathe'.
¹ In Dyn. III-IV the ends are curved, not angular, *Sagg. Mast.* i. 1; sim. *Meir*. ii. 7. Later the shaft is sometimes shown as double. ² Unpublished *P. Ram.*
³ Reading, *Rec.* 39, 20. ⁴ See *Adm.* p. 47 and above, p. 201, n. 1. ⁵ *Urk.* iv. 76, 8.

Sign-list

EGYPTIAN GRAMMAR

- U 32** ⌂ pestle and mortar¹ Det. of ⌂ ⌂ —^{1a} *shm*, O.K. — ⌂^{1b} *z̄hm*, 'pound'; also of O.K. ⌂ ⌂² *smn*, ⌂ ⌂ *zmn*^{2a} 'press down' bread with a stick; from this latter^{2b} phon. or phon. det. *smn* (*zmn*) in ⌂ ⌂³, abbrev. ⌂ ⌂⁴ *hsmn* 'natron'; ⌂ ⌂⁵, abbrev. ⌂ ⌂⁶ *hsmn* 'bronze';³ ⌂ ⌂ ⌂⁷ *smn* (old *smn*) 'establish'. Det. pound, also in ⌂ ⌂ ⌂⁸, *hmst* 'salt'; heavy, in ⌂ ⌂ ⌂⁹ *dns* 'heavy'; ⌂ ⌂ ⌂¹⁰ = *wdn* 'heavy'.
- ¹ See the hieroglyphs *Medium* 15; *Pyr.* 249; and the picture, Leyd. *Denkm.* i. 10. ^{1a} *Eb.* 86, 10; cf. *BH* ii. 6. ^{1b} *Ti* 83. However, *Wb.* iii. 464, 1 interprets this as *z̄h* and reads the preceding word as *shm* with *s*. ² *Ti* 85. ^{2a} *Leyd. Denkm.* i. 10; see *MONTET* 240; *AZ.* 61, 13. ^{2b} Not, as *Wb.* iii. 453, 3, from the homonym *zmn* 'tarry' *Pyr.* 533. ³ *AZ.* 30, 31. ⁴ *Urk.* iv. 1187, 10, an early instance of a writing that is usual in L.E.
- 33** ⌂ pestle Ideo. in ⌂ ⌂ ⌂⁰ *t̄t̄* 'pestle (?)' of red granite (*mst̄*); hence (?) phon. *t̄t̄*, exx. ⌂ ⌂ ⌂¹ *hr·t̄t̄* 'thou art content' (§ 309); ⌂ ⌂ ⌂² *cn̄h·t̄t̄* 'may she live!' (§ 313); more rarely phon. *t̄*, especially beside ⌂ *h*, exx. ⌂ ⌂ ⌂ ⌂ ⌂³ *th̄nt̄* 'fayence'; ⌂ ⌂ ⌂⁴ *ht̄s* 'inaugurate (a feast)'. In group-writing (§ 60) ⌂ or ⌂ or ⌂ is phon. *t̄*.² ex. ⌂ ⌂ ⌂ ⌂ ⌂⁵ *Ti*, name of a Syrian locality.
- ⁰ *MÖLL. Pal.* i. Pl. 5, left, 16; meaning doubtful. ¹ *Sinut* 1, 244. ² *BURCHARDT* § 134. ³ *Urk.* iv. 784, 74.
- 34** ⌂ spindle Ideo. in ⌂ ⌂ ⌂¹ *hsf* 'spin'. Hence semi-ideo. or phon. *hsf* (*hsf*) in the related verb ⌂ ⌂ ⌂² var. ⌂ ⌂ ⌂³ *hsf* (*hsf*)² 'repel', 'oppose' and its derivatives.
- ¹ *BH.* ii. 4, in scene of spinning. ² For *f* see *Pyr.* 253.
- 35** ⌂ combination of ⌂ U 34 and ⌂ I 9 Use as last.
- (Aa 23)** ⌂ ⌂¹ warpstretched between two uprights^{1a} Det. in ⌂ ⌂ ⌂ ⌂ ⌂² varr. ⌂ ⌂ ⌂³ ⌂ ⌂ ⌂⁴ var. *Pyr.* ⌂ ⌂ ⌂ ⌂⁵ *md̄d* 'hit (a mark)', 'adhere to (a path)' and derivatives.
- ¹ Thebes, tomb 85. Very various in form; exx. M.K., Brit. Mus. 614, 8; *Sinut* 1, 221; Dyn. XVIII, *Puy.* 68; *Th. T. S.* i. 17. ^{1a} *DAVIES*, *Seven Private Tombs*, Pl. 35 (p. 50). Perhaps this suggests as the original sense of the stem 'make straight'. ² *Urk.* iv. 484, 5. *Sim. Peas. B* 1, 212. ³ *Brit. Mus.* 581. ⁴ *Louvre C* 174. ⁵ *Pyr.* 2048.
- (Aa 24)** ⌂ ⌂¹ O.K. form of last Use as last.
- ¹ *Sinai* 7. See *AZ.* 30, 52; 62, 1.
- 36** ⌂ club used by fullers in washing¹ Ideo. in ⌂ ⌂ ⌂² var. ⌂ ⌂ ⌂³ *hmww* 'fuller (?)'. Hence (?) phon. *hm*⁴ in ⌂ ⌂ ⌂⁵ *hm* 'slave' and the related words; also in ⌂ ⌂, isolated late var. ⌂ ⌂ ⌂⁶ *hm* 'Majesty' (p. 74).
- ¹ *AZ.* 37, 82. ² *BH.* i. 29. ³ *Ib.* ⁴ Reading from proper names ending in *m* and from the name *Paḥamnāta* = *Pt-hm-ntr* in the El-Amarna letters (see above p. 428), besides late writings in which the sign interchanges with ⌂ N 41; see *AZ.* 46, 109; *Sphinx* 14, 143. ⁵ *Bull.* 28, 103.
- For ⌂ see D 31
- 37** ⌂ razor¹ Det. in ⌂ ⌂ ⌂² *hck* 'shave'.
- ¹ Razors, see *PETRIE*, *Tools and Weapons* 61. ² Ex. *BH.* ii. 4.

- U 38  ¹ balance Ideo. or det. in  ² var.  ³ *mḥst* 'balance'.
¹ Thebes, tomb 76. ² Exx. *Paheri* 9, 30; *D. el B.* 81. ³ *AZ.* 59, 44*.
- 39  post of balance Det. in  ¹ *wfst* 'post (of balance)' and in the related verb  ² *wfs* 'lift', 'carry', 'wear'. Secondarily also det. in  ³ *tsi* (*tzi*) 'raise', 'lift'.
¹ *PIEHL, IH.* iii. 82. ² *D. el B.* 81. ³ In Pyr. the det. of *tsi* is a sack-like receptacle, ex. *Pyr.* 960, but our sign already appears exceptionally, ex. *ib.* 294.
- 40  semi-hieratic alternative to last (Dyn. XVIII)¹ Use as last, ex.  ² *wfsw* 'those who have worn'. Also, owing to similarity in hieratic, used for  ³ T 13, ex.  ⁴ *rs-tp* 'vigilant'.
¹ For the hieratic see *MÖLL. Pal.* i. no. 405; ii. no. 405. ² *Urk.* iv. 85, 12.
³ *MÖLL. Pal.* i. no. 588. ⁴ Leyd. *Denkm.* iv. 28, 4 c. 3. Sim. *srs*, *Urk.* iv. 897, 6.
- 41  ¹ plummet used in connection with the balance ² Det. in  *tħ* 'plummet'.
¹ Dyn. XII, Leyd. V 103 = *Denkm.* ii. 13. ² *JEA.* 9, 10, n. 4.

Sect. V. Rope, Fibre, Baskets, Bags, etc.

- V 1  coil of rope Det. rope, exx.  *nwḥ* 'rope';  *ḥstt* 'front-rope' of ship; actions with rope or cord, exx.  *itħ* 'drag';  *ts* 'tie';  ¹ *mnḥ* 'string' beads;  *šni* 'encircle', 'surround'. Probably from  *šnw* 'network', phon. or phon. det. *šn* in  var.  *šnt* 'dispute', the relations of which with  *šni* 'exorcise', 'litigate' and with  ³ *šnt* 'contend' require further study. Another possibly related word is  *št* (*šnt?*) ⁴ 'hundred' (§§ 259, 260). A similar, but doubtless different, sign is det. in  *ḥb* 'bent appendage' (of metal?) belonging to the crown .
- ¹ *M. u. K.* 1, 3. ² Cairo 20393. 20562, d, in the title *imy-r šnt*; cf. too a title *šnt* discussed *JEA.* 9, 15, n. 2. ³ *AZ.* 36, 138. ⁴ *AZ.* 36, 135.
⁵ *Urk.* iv. 200, 15.

For  as substitute for  G 43, see Z 7.

- 2  bolt → O 34 combined with the cord  V 1 used for drawing it¹ Ideo. in  *stʒ* (*stʃ*), later  *stʒ*, 'drag', 'draw'; hence phon. *stʒ* in  *stʒit* 'aroura' (§ 266, 3). For an unknown reason det. in  *is* 'hasten'.

¹ *AZ.* 35, 105, confirmed by *DAV. Rekh.* ii. 26, 12. The sense of the verb agrees so well with the Dyn. XVIII form just quoted that the suggestion (*Hier.* 44) that this is secondary seems unlikely. An alternative explanation, *MONTET* 304.

Sign-list

EGYPTIAN GRAMMAR

V 3 the same sign with three cords (Dyn. XVIII)

4 lasso

Cf. ¹ *wrw* 'lassoes'. Hence phon. *wr*,² exx. *wr* 'far'; *wrh* 'place', 'endure'.

¹ BUDGE, p. 454; ² Cf. too *wrt* 'cord' (*Wb.* i. 244) and *wrwrt* 'cord' (*Urk.* iv. 166, 12).

² For the initial *w* see a var. of *wjr* 'tie up', MONTET 207.

5 looped rope

Det. in ¹ *snt* (*snt*) 'plan', 'plot out', 'found'.

¹ *Pyr.* 644; *Meir* i. 11; *D. el B.* 37.

6 cord (in early exx. double and looped at top on left)¹

Ideo. or semi-ideo. or det. in var. ² *ss*, var. O.K. *ss*, 'cord', 'rope'. Hence phon. *ss* (*ss*), exx. *ss* var. (p. 172) *ss* 'alabaster'; *iss* 'what?' (§ 500). There has been much confusion with V 33:^{4a} (1) in the words 'linen', 'cloth', 'thing', 'concern', and 'corn', all originally reading *ssr*; however, the fact of the confusion, together with certain writings with metathesis *ssr* (see V 33, nn. 4. 9), make the usually accepted reading *ss* (so in the 1st edition) still just defensible, for final *r* usually falls; (2) as det. in *rrf* 'tie up', 'pack'; (3) as phon. *g* in hieratic, where the two signs are not distinguished in early times;⁴ (4) as det. clothes, ex. *isywt* 'rags'; however, this employment to replace S 28 does not appear before Dyn. XIX.

¹ Early forms, *Medium* 13; *Sagg. Mast.* i. 1. 2. ² *Urk.* iv. 885, 7. ³ DAV.

Ptah. i. 25. ⁴ MÖLL. *Pal.* i. nos. 515. 520. ^{4a} Full discussion, *Bull.* 30, 161.

⁵ *Adm.* 3, 4; the MS. is probably of Dyn. XIX.

7 loop of cord with the ends downward

Cf. var. Pyr. ¹ *sn* 'encircle'. Hence phon. *sn*, exx. *sn* 'tree'; *sn* 'repel'.

¹ *Pyr.* 213.

8 alternative form of last (Dyn. XVIII)

Use as last.

¹ *Puy.* 57; *Rekh.* 3, 28. So too already *Pyr.* 5.

9 cartouche in original round form¹

Det. in *snw* 'cartouche' (p. 74).

¹ See p. 74 for explanation as a double rope encircling (*snt*) the entire region ruled over by the sun or by the king as later embodiment of the sun.

10 cartouche in secondary oval form (p. 74)

Det. in ¹ *snw* 'circuit'; ² *rn* 'name'; also in names of kings and other royal personages, in which case the component signs are written inside it, ex. *Mn-hpr-Rr* 'Menkheperre', i. e. Tuthmosis III.

¹ GAYET, *Temple de Louxor*, p. 14.

² BRUGSCH, *Thes.* 1077, 19.

- VII  sign probably later taken to be a cartouche cut in half and reversed¹ Det. in  *dni* 'dam off', 'restrain'. The hieratic equivalent of the same sign² serves also as det. in  *p̄b*, 'split'. It seems doubtful whether the hieratic word usually transcribed as  *dty* (*dwyt*?) 'shriek' was originally written with this sign.³
- 12  band of string or linen Det. bind, exx.  *s̄sd* 'head-band';  *rn̄b* 'garland';  *f̄b*, 'loose', whence  *f̄b* 'depart'; from the last, phon. det. in   *trw Fn̄bw* 'Phoenician lands'. Det. papyrus-books, exx.  *fdw* 'papyrus';  *s̄sn* 'deed'. Phon. or phon. det. *rk* (from *rk* 'bind on') in  *rk* 'swear';  var.  *rk̄y* 'last day' of the month (§ 264).
- 13  rope for tethering animals¹ Cf. Pyr.  *t̄t̄* 'fetterer (?)'.² Phon. *t̄*.³ Sometimes also, by a false archaism, for *t̄ t̄* (§ 19, OBS. 2).
- 14  the last, with an added diacritical tick Phon. *t̄*, both in hieroglyphic and hieratic, but apparently only in a few words, doubtless words in which the value *t̄* had not changed into *t̄*, exx.  *t̄s̄t̄* 'lift';  *T̄t̄i* 'Tjetji', a man's name.
- 15  combination of = V 13 and *D* 54 In  var. Pyr.  *īt̄i*, in M.E. often  *iti*,² 'seize'.³
- 16  looped cord serving as hobble for cattle Ideo. in O.K.  *s̄z* (*z̄z*) 'hobble'. Hence phon. *s̄z* (*z̄z*)² in  *s̄z* 'protection'.
- 17  ¹ rolled up herdsman's shelter of papyrus² (*Dyn. XVIII*) Ideo. in  var.  *s̄z*, var. Pyr.   *z̄z*, 'protection'.³
- 18  O.K. form of last Use as last.

¹ DAU. *Ptaḥ*. i. 16, no. 353.

Sign-list

EGYPTIAN GRAMMAR

- | | | | |
|------|--|---|---|
| V 19 | | hobble for cattle ¹ | Ideo. or det. in ² <i>varr.</i> ³ ⁴ <i>mdt</i> 'stable', '(cattle-)stable'. For unknown reasons, det. in ⁵ ⁶ <i>tms</i> (from <i>tms</i> ?) 'mat', whence phon. or phon. det. <i>tms</i> (<i>tms</i>) in ⁸ <i>varr.</i> ⁹ <i>tms</i> , 'cadaster (?)' or kind of land (?); in ¹¹ <i>var.</i> ¹² <i>hjr</i> 'sack' as measure of capacity (§ 266, 1); and in other names of woven or wickerwork objects. By confusion with an older sign for a palanquin or portable shrine, ¹³ det. in ¹⁴ <i>kni</i> 'palanquin', whence also in ¹⁵ <i>kni</i> 'sheaf'; so too in ¹⁶ <i>krr</i> 'shrine'; possibly also in ¹⁷ <i>shyt</i> , name of the sanctuary of Sokar in Memphis. ¹⁸ To be distinguished carefully from Aa 19. |
| 20 | | the same without the cross-bar (cf. V 21) | ¹ Made of cord, with a wooden cross-bar to be hidden below the earth, MONTET 95. ² Bersh. i. 18. ³ Cairo 20104, m 1; Rhind 84. ⁴ Metr iii. 4. Sim. Pyr. 2202. ⁵ Rec. 39, 120. ⁶ BH. ii. 13. ⁷ Westc. 7, 15. ⁸ Rekh. 3, 18, qu. Exerc. XXX (iii); <i>sšw nw tms</i> , ib. p. 25 = <i>tms</i> , ib. 3, 26. ⁹ Brit. Mus. 828, qu. § 450. ¹⁰ Sf n <i>tms</i> , Cairo 20056; Leyd. V 3. ¹¹ Pyr. 300 (<i>krr</i>); cf. the picture Sah. 65. ¹² Westc. 11, 7; differently determined, ib. 7, 14. ¹³ Paheri 3. ¹⁴ LAC. TR. 21, 3. ¹⁵ D. el B. 11. ¹⁶ STOLK, Ptah (Berlin, 1911), 27. |
| 21 | | combination of V 20 and I 10 (Dyn. XII onward) | Cf. Dyn. XIX ¹ <i>mdwt</i> 'stables'. Hence phon. <i>md</i> ² in ³ <i>mdw</i> '10' (§§ 259, 260). |
| 22 | | whip ⁴ (Dyn. XVIII) | ¹ MAR. Abyd. i. 53. ² AZ. 34, 90. |
| 23 | | O.K. form of last | Ideo. in ¹ <i>mdt</i> 'stable', 'cattle-stall'. Hence phon. <i>md</i> ² in ³ <i>md</i> 'be deep' and derivatives. |
| 24 | | cord wound on stick (O.K. and M.K. form) ¹ | ¹ See V 19, n. 3. ² BUDGE, p. 458, 9. Sim. <i>mdt</i> 'depth', Kuban 32. |
| 25 | | alternative form of last (Dyn. XVIII) | For unknown reason, ³ phon. <i>mh</i> , exx. ⁴ var. Pyr. ⁴ <i>mh</i> 'fill'; ⁵ <i>mhynt</i> 'the coiled one', name of a snake. |
| | | | ¹ Ex. Hier. 6, no. 77. ² AZ. 35, 106. ³ A derivation from <i>hw</i> 'strike' has been suggested, Hier. p. 63. ⁴ Pyr. 1682. |
| | | | Use as last. |
| | | | ¹ Exx. DAV. Ptah. i. 17, nos. 371, 372, 377; Sah. 30; Ti 112. |
| | | | For unknown reason, phon. <i>wd</i> (later <i>wd</i>), exx. ² var. ² <i>wd</i> 'command'; ³ <i>wdh</i> (for <i>wdh</i>) 'table of offerings'; ³ var. Pyr. ³ <i>wdb</i> 'turn'. |
| | | | ¹ Exx. O.K., DAV. Ptah. i. 14, no. 296; M.K., BH. iii. 4, no. 51. ² BH. i. 17. ³ Pyr. 1723. |
| | | | Use as last. |
| | | | ¹ Ex. Rekh. 2, 17. |

V 26 ¹ netting needle filled with twine ²

Ideo. in var. ⁴ *rd*, also ⁴ *rd*, 'spool', 'reel'. Hence phon. or phon. det. *rd*, later *rd*, ex. ⁵ *rd*, var. ⁶ *rd*, 'be in good condition'; also *rnd* or *nd*,⁷ proved only in the case of *mndt*, var. Pyr. *mndt*, 'the morning-bark' of the sun-god.

¹ *Rekh.* 2, 6; *Puy.* 20, 6. ² See the picture *BH.* ii. 4 = *Bull.* 9, 5.
³ *BUDGE,* p. 391, 2. ⁴ *NAV.* ch. 153, 15. ⁵ *BH.* i. 8, 15.
⁶ *Sh. S.* 7. ⁷ See *Sitz. Berl. Ak.* 1912, 958. ⁸ *Pyr.* 335, 336; sim. *ib.* 661.

27 ¹ O.K. form of last

Use as last.

¹ *Medium* 13. Sim. *Sagg. Mast.* i. 1.

28 ¹ wick of twisted flax

Cf. with a similar sign, *het* 'wick'; ² hence ³ phon. *h*. As late det. once in *tk*; 'candle'.⁴

¹ Detailed ex., *Sagg. Mast.* i. 40, no. 68. See too the picture *CAPART, Rue* 37.

² *Dyn. XIX, Wb.* iii. 39; a hieroglyphic ex. in the Hypostyle Hall, Karnak (Nelson).

³ *AZ.* 73, 8, n. 2; *Ann.* 43, 309. ⁴ *MØGENSEN, Musæt nat. Copenhague*, Pl. 24; see *SETHE, Zur Geschichte der Einbalsamierung*, II*.

29 ¹ swab made from a hank of fibre (down to Dyn. XVIII identical for all uses)²

Det. in O.K. ³ *sk* 'wipe'; hence phon. *sk* (*shk*), ex. *ski* 'perish'. For unknown reason, phon. or phon. det. *wsh*, ex. ⁴ var. *wsh* 'place', 'endure'. Also det. in ⁵ *bsh*, var. Pyr. ⁶ *bsh*, 'ward off'. As corruption of a sign resembling 1, det. in ⁷ *mer* 'fortunate'.

¹ Detailed ex. *Ti* 132 (*wsh*). ² *Wsh* and *sk* in proximity, see O.K. *Gemn.* i.

³ *Rec.* 28, 178; cf. *Sah.* 39. The interpretation as a swab depends on the meaning of *sk* and on its other determinatives in Pyr.

⁴ *Peas. B* 1, 209. ⁵ *Urk.* iv. 269, 7. ⁶ *Pyr.* 908. ⁷ *Amada* 8.

30 wickerwork basket

Ideo. in ¹ var. Pyr. ² *nbt* 'basket'. Hence phon. in a few words reading *nb*, exx. var. O.K. ³ *nb* 'lord'; *nb* 'every', 'all'.

¹ *Urk.* iv. 896, 10.

² *Pyr.* 557.

³ *Urk.* i. 126, 9.

For see O 9.

31 wickerwork basket with handle

For unknown reason, phon. *k*.

31* the last, but with handle on opposite side

Regularly in hieratic except in rare O.K. examples.¹

¹ *MÖLL. Pal.* i. nos. 511, 511 B. Hieroglyphic exx. have not been sought, but must be extremely rare; in Dyn. I-II the few exx. have handle as in V'31, *PETR. Eg. Hier.* nos. 975-9.

V 32 ¹ wickerwork frail ² (possibly also used as a float by hippopotamus-hunters) ³

Det. in ⁴ *msnw*, var. Dyn. I ⁵ *msn*, 'harpooner'; hence (?) phon. *msn* (*m̄n*) in ⁶ late var. ⁷ *Msn*, a Lower Egyptian town near Kantarah. ⁸ Possibly, but not certainly, the same sign ⁹ in ¹⁰ *grwt* 'bundles', 'tribute'; hence phon. det. *grw* in ¹¹ *gsw* 'be narrow', and related words.

¹ Exx. O.K., QUIB. *Saqq.* 1911-2, 32 (*Msn*); *Ti* 115 (*msn?*). ² See the pictures *Ti* 38, 39; *Genn.* ii. 1.

³ Guess based partly on the use of the sign to determine *msnw* 'hippopotamus-hunter', partly on the occurrence of a very late word *bb*, with this det., mentioned among the equipment (spears, ropes, etc.) of the *msnw*; see AZ. 54, 53 and compare the fisherman's reed-floats *T* 25. But possibly the sign is really the det. of *m̄n* 'weave', 'plait', though not so actually found, in which case it would only be phon. det. in *msnw* 'hippopotamus-hunter'. ⁴ LAC. *TR*. 20, 34.

⁵ AZ 57, 138. ⁶ *Lisht* p. 36. ⁷ See AZ. 54, 52. ⁸ JEA. 5, 242.

⁹ Before Dyn. XVIII it lacks the tie and so resembles W 8, see WEILL, *Décrets*, Pls. 2, 3; *Dend.* 8; Cairo 20539, i. b 8. ¹⁰ D. el B. 77.

33 ¹ bag of linen ²

Ideo. or det. in , var. O.K. ³ *ssr*, var. Dyn. XVIII ⁴ *ssr*, 'linen', 'cloth', cf. especially the compound ⁵ *ssr-nsw*, var. O.K. ⁶ *ssr-nzw*, 'royal linen', 'byssus', Coptic *ȝenēc*; the var. ⁷ with V 6 makes the hitherto accepted reading *ss-nsw* possible for Dyn. XVIII, as final *r* frequently fell away. Hence phon. *ssr* (read as *ss* in the 1st edition) in ⁸ var. Dyn. XII ⁹ *ssr*, var. O.K. ¹⁰ *ssr*, 'thing', 'concern'; also in ¹¹ var. ¹² *ssr* 'corn'. Perhaps through connection with the stem found in ¹³ *gwt* 'bundles' (see on V 32) or else with ¹⁴ *ggt* 'kidney(?)', ^{12a} phon. *g* in a few words, exx. ¹⁵ var. ¹⁶ *wgg* 'misery'; ¹⁷ *Gbtyw* 'Coptus', a town in Upper Egypt. Det. tie up, in ¹⁸ *crf* 'tie up', 'pack', 'envelop'; also perfume, because kept in bags of linen, ¹⁹ ex. ²⁰ var. ²¹ *sty* 'perfume', cf. R 9. As det. clothes not before Dyn. XIX, ²² and then mainly in the form V 6 (see on that sign). Note that in M.K. hieratic is indistinguishable from V 6; ²³ in hieroglyphic the two are very often confused.

¹ In O.K. and sometimes later the shape varies greatly. Sometimes like our type, but thinner and inclined at an angle, exx. L. D. ii. 22, 23; sometimes almost triangular, see below, V 35. Full discussion, *Bull.* 30, 161. ² Described as *ssrw r̄fsw* 'tied-up cloths', Urk. iv. 1143, 13. ³ *Ti* 115. ⁴ Urk. iv. 1143, 13, *ssrw*, plur. ⁵ Urk. iv. 195, 16. Sim. O.K., *Sah.* 61. ⁶ L. D. ii. 100, c. ⁷ Urk. iv. 742, 15. ⁸ Cairo 20538, ii. c. 9. ⁹ Urk. i. 149, 9. For writings of possibly the same word with the metathesis *ssr* see *Adm.* p. 101. ¹⁰ Urk. iv. 743, 1. ¹¹ Urk.

iv. 372, 14. ¹² R. IH. 178, 3. . . ^{12a} Suggested by Dawson; see *Wb.* v. 208, 7; also *Sign Pap.* 11, 4. ¹³ PSBA. 18, 202, 9. ¹⁴ See the picture *D. el B.* 78.

¹⁵ See, however, O.K. *hkwt*, *Gebr.* i. 8; also the alternative form of S 28 seen in PETRIE, *Gizeh and Rifeh* 23 G. ¹⁶ MÖLL. *Pal.* i. no. 520, without recognizing that V 6 and V 33 are different signs.

- V 34 ⲁ¹ alternative form of last Use as last.
(Dyn. XVIII) ¹ D. el B. 94 (*sty* 'perfume').
- 35 ⲁ¹ O.K. form of last Use as last.
(rarely also Dyn. XVIII)² ¹ DAV. Ptah. i. 14, no. 318 = (E.R.A.) 37, in *lmy-r sfr* 'overseer of linen'. This form of the bag is carried by an attendant, *Ti* 115; cf. too L. D. ii. 22, b. Other O.K. exx. of the same form of the sign, in *sfr* 'thing', 'concern', Urk. i. 136, 5; WEILL, *Décrets*, Pl. 2. ² In *sfr* 'corn', Urk. iv. 372, 14, qu. under V 33, n. 11.
- 36 ⲩ receptacle of some kind Det. in ⲩ¹ *hn* (*hnt*?), name of a receptacle given to a temple. Hence(?) phon. or phon. det. *hn*, exx. ⲩ²
var. ⲩ³ *hnt* 'occupations'; ⲩ⁴ var. ⲩ⁵ *hnty* 'period', 'end' (§ 77, 1).
¹ MAR. Ab. i. 10, b. ² Rekh. 16. ³ Paheri 3. ⁴ Urk. iv. 364, 12.
⁵ Urk. iv. 369, 15.
- 37 Ⲫ¹ bandage (?) Det. in Ⲫ² *idr* 'bandage', 'bind'. Phon. or phon. det. *idr* in Ⲫ³ var. Ⲫ⁴ *idr* 'herd'; note that Ⲫ⁵ appears to read Ⲫ⁶ *ks n idr* 'bull of the herd'. For the confusion of Ⲫ and ⲭ N 41 see AEO. ii. 258*.
¹ Karnak, Tuthmosis III unpublished. Rather different, Dyn. XII, Bersh. i. 18.
² Sm. 9, 8. 10. 21. ³ Bersh. i. 18. ⁴ Cairo 20001. ⁵ Urk. iv. 699, 13.
⁶ Urk. iv. 195, 10; 196, 1.
- 38 ⲭ¹ bandage (O.K.) Det. in ⲭ¹ *wt* 'bandage', 'mummy-cloth'. Later replaced by ⲭ Aa 2.
¹ Pyr. 1202 (N 1197).

Sect. W. Vessels of Stone and Earthenware

- W 1 ⲩ sealed oil-jar Det. oil, unguent, exx. ⲩ¹ *mrht* 'unguent';
ⲩ² *mdt* 'ointment'.
¹ Urk. iv. 914, 9; for the reading cf. Cairo 20720, a 3.
- 2 ⲩ sealed oil-jar, like W 1,
but not showing tied
ends Det. in ⲩ¹ *bss* (*bss*) 'jar'. Phon. *bss* (*bss*) in ⲩ² *Bsst*,
var. O.K. ⲩ³ *Bsst*, '(the cat-goddess) Bastet'.
¹ LAC. Sarc. ii. 13, no. 23. ² Ex. Urk. iv. 432, 9. ³ Ti 23.
- 3 ⲩ¹ basin of alabaster as
used in purifications² Det. in O.K. ⲩ¹ *ss* var. ⲩ² *ss* 'alabaster' (p. 172).. Perhaps
on account of the purifications characteristic of feasts, det.
in ⲩ³ var. Dyn. XVIII ⲩ⁴ *hb* 'feast'; hence semi-
ideo. or phon. *hb* in ⲩ⁵ *hb* 'mourn'. Abbrev. of
ⲩ⁶ *hbt* 'ritual book' in ⲩ W 5. Det. feast, exx.
ⲩ⁷ *psdntyw* 'New-moon festival'; ⲩ⁸ *Wig* 'Wag-
festival'.
¹ Showing the markings of alabaster, Hier. 2, no. 9; 9, no. 178; Kop. 9.
² Rec. 39, 54. ³ Sin. B 142. ⁴ BH. i. 24. ⁵ Sin. i. 299. Sin. BH.
i. 25, 90-5.

Sign-list

EGYPTIAN GRAMMAR

- W 4  combination of M O 22 Ideo. or det. in  var.  *hb* 'feast'. Det. feast (much rarer in M.E. than  alone), ex.  *t-p-rnpt* 'feast of the first of the year'.
- ¹ *BH.* i. 24. Sim. *Wig*, Brit. Mus. 162.
- 5  combination of A T. 28 In  ¹ *hry-hbt* ² 'lector-priest', lit. 'he who is under (i.e. carries) the ritual book'.
- ¹ Already M.K., *AZ.* 39, 117, 6. ² Reading, see p. 51, n. 4.
- 6  ¹ O.K. sign for a particular vessel In  *wht* 'cauldron'. Later replaced by A Aa 2.
- ¹ *Saqq. Mast.* i. 2. Rather different, *ib.* 1; *Medium* 13 (here of copper).
- 7  ¹ granite bowl (Dyn. XVIII) Det. in  *mst*, var. O.K.  ² *mst*, 'red granite'; hence phon. det. *mst* in  ³ *mst* 'proclaim'. Det. in  var.  ⁴ *3bw* 'Elephantine', as source of the red granite; hence phon. det. *sb* in  ⁵ *3bw* ⁶ var.  ⁷ *sbt* 'family'.
- ¹ *D. el B.* 156. ² *Urk.* i. 107, 2. ³ *Urk.* iv. 261, 3. ⁴ *Rekh.* 5. Sim. *Urk.* iv. 843, 4. ⁵ Brit. Mus. 614, 4. ⁶ LAC. *TR.* 2, 1. ⁷ Brit. Mus. 159, 11.
- 8  ¹ deformation of the last (Dyn. XI) In *3bw* 'Elephantine' and *sbt* 'family', see on W 7. The same sign may serve as the earlier form of  *grw* V 32. ²
- ¹ Brit. Mus. 614, 4 (*3bw* 'Elephantine'). Sim. Cairo 20512, cc. ² See V 32, n. 9.
- 9  stone jug with handle Det. in  ¹ *nhnm*, var. Pyr.  ² *n̄nm*, 'the *nhnm*-vase' with its specific oil. Hence (?) phon. *hn̄m*, exx.  *Hnmw* '(the ram-headed god) Chnum';  *hn̄m* 'join'.
- ¹ SCHARFF 49. ² *BH.* i. 17; *Pyr.* 51 (N 311 a). ³ *Pyr.* 51 (W 59 a). In O.K.  interchanges with later , see *Verbum* i. § 260.
- 10  cup (probably sometimes also a basket, cf. A 9) Det. in  ¹ *irb*, var.  ² *rrb*, 'cup'; hence phon. or phon. det. *irb*, ex.  *irb* 'unite'; *rb*, ex.  ³ *m-rb* 'in the company of' (§ 178). Det. in  ⁴ *wsh* (*wšb*) 'cup'; hence phon. or phon. det. *wsh* (*wšb*), exx.  *wsh* 'be wide';  ⁵ var.  (*O* 15) *wsht* 'hall'; *shw*, in  *shw* 'width'. Det. in  ⁶ *hnt* 'cup'; hence phon. *hnt* in  ⁷ var. *hnwt* 'mistress'. Det. in ⁸ *c* 'cup'. In words reading *bi*; sometimes replaces older N 41, ex. ⁹ *bisw* 'rare treasures'.
- ¹ *Wb.* i. 40; JÉQ. 115; LAC. *Sarc.* ii. 156. ² *Urk.* iv. 770, 15. ³ JÉQ. 115; evidently very rare, not in *Wb.* i. nor in LAC. *Sarc.* ⁴ *Urk.* iv. 1220, 16. ⁵ *BH.* i. 17. ⁶ *Urk.* iv. 391, 13. ⁷ *Wb.* i. 158. ⁸ *BH.* i. 8, 11. Sim. *D. el B.* 81; 84, 6.
- 10*  ¹ pot perhaps used also as lamp (O.K.) Phon. *b3* ² in conjunction with  G 29, ex.  ³ *b3* 'soul', or with  E 10, ex.  ⁴ *B3-pf(i)* 'Bapfi', a god.¹ Later superseded in these uses by  R 7.
- ¹ *Ann.* 43, 309. ² Cf. a vessel called *bw* named *Eb.* 4, 9. (M 386); 1378 (N 1144). ³ *Pyr.* 854
- (Aa 4)  ¹ alternative form of last (Pyr.) Use as last.
- ¹ *Pyr.* 854 (N 657); 1098 (N 1252); 1378 (P 616).

VESSELS OF STONE AND EARTHENWARE

Sign-list

- W₁₁** 1 (1) ring-stand for jars,
 (2) red earthenware pot (Dyn. XVIII form, round at bottom)
- (1) Ideo. or det. in 1 2 var. 3 *nst* 'seat'. For unknown reason, ^{2a} phon. *g*. (2) Ideo. or det. in 1 4 var. 5 *dšrt* 'red pot'. (3) Occasionally substituted for 2 O 45 in Dyn. XVIII, ex. 1 6 *ipt nsw* 'king's harim'.
- ¹ Ex. *Rekh.* 2, 2 (*g*); *D. el B.* 36 (*nst*). In Dyn. XII still sometimes with bottom straight as *g* (*Bersh.* i. 31), while curved as *nst* (*ib.* 19). ² *AZ.* 47, 91.
³ *D. el B.* 36, in *Nswt-trwy*. ^{2a} According to Grdseloff (*Ann.* 43, 310) from an O.K. word *gw* (*Ann.* 16, 196); but this is described as an altar.
⁴ *Rekh.* 11. ⁵ *D. el B.* 11. ⁶ *JEA.* 11, 4.
- 12** 1 ring-stand (O.K. form, straight at bottom)
- Use as last, in O.K. 1 2 *nst* 'seat' and as phon. *g*.³
- ¹ *DAV. Ptah.* i. 13, nos. 255, 258 (*nst, g*). ² *Ptah.* (E.R.A.) 32. ³ *Ti* 128 (*għst*).
- 13** 1 red earthenware pot (O.K. form, round at bottom and plain)
- Use as W 11, in O.K. 1 2 *dšrt* 'red pot'. In M.K. a sign of this appearance is used for 2 N 34.²
- ¹ *Pyr.* 249. ² *JEA.* 4, Pl. 9.
- 14** 1 tall water-pot
- Ideo. or det. in 1 2 *hst*, var. O.K. 1 2 *hzt*, 'water-pot'; hence phon. *hs* (*hz*), ex. 1 2 *hs* var. 1 2 *hs* 'praise'. Det. also in 1 2 3 *snb(t)*, var. *Pyr.* 1 2 4 *znbt*, 'jar'.
- ¹ *AZ.* 37, 95; *LAC. Sarc.* ii. 166. ² *MONTET* 393. ³ *Urk.* iv. 874, 3.
⁴ *Pyr.* 1179.
- 15** 1 water-pot with water pouring from it
- Det. in 1 2 1 *kbb* 'be cool' and derivatives; ² also in 1 2 3 *kbb* 'libate'.
- ¹ *Urk.* iv. 970, 15 (*kb*). ² *Ex. skbb*, *Urk.* iv. 65, 6. ³ *Amarn.* iv. 3, 8.
- 16** 1 the same in a ring-stand **W 12**
- Ideo. or det. in 1 2 1 *varr.* 1 2 *kbhw* 'libation' and the related words. Much more rarely det. in 1 2 3 *kbb* 'be cool'.
- ¹ *Meir* iii. 17. ² *BH.* i. 17. ³ *Ex. P. Kah.* 7, 41 (*kb*).
- 17** 1 water-pots in a rack (Dyn. XII-XVIII)
- Ideo. in 1 2 *gntw* 'racks for water-pots'. Hence phon. *gnt*, ex. 1 2 var. 1 *gnt* 'in front of' (§ 174) and derivatives.
- ¹ *Hier.* 2, no. 6. With three pots, not infrequent in M.K., exx. *BH.* i. 8, 15; *Leyd.* V 2; usual in Dyn. XVIII, exx. *Rekh.* 4; *Paheri* 4. ² *Urk.* iv. 874, 3.
- 18** 1 O.K. form of last
- Use as last.
- ¹ With four pots, usual in O.K., exx. *Sah.* 1; *Sagg. Mast.* i. 20; more often than not in M.K., exx. *Leyd.* V 3, 4, 6, 7; only rarely in Dyn. XVIII, ex. *Urk.* iv. 874, 7.
- 19** 1 milk-jug as carried in a net¹
- Det. in 1 2 *mhr* 'milk-jug'. From a probably obsolete word 1 2 *mr* 'milk-jug', phon. *mi* (old *mr*), exx. 1 2 *mi*, var. *Pyr.* 1 2 4 *mr*, 'like' (§ 170); 1 2 5 *dmi* 'town'; 1 2 6 var. 1 2 5 *min* 'to-day' (§ 205).⁶
- ¹ See the picture *Meir* i. 11 = ii. 18, no. 12. ² *Meir* ii. 6. ³ *Pyr.* 32; cf. the place-name *Mrt* determined by a sign like W 20, *Medium* 21. ⁴ *Pyr.* 1665.
⁵ *CHASS. Ass.* 77. ⁶ The use in *Pyr.* 205 (*Wb.* iii. 453) is un-explained.

Sign-list

W₂₀ ፩ milk-jug with a leaf
 覆盖 the milk¹

21 ፪ twin wine-jars¹

22 ፫ beer-jug

23 ፬ jar with handles

24 〇 bowl

EGYPTIAN GRAMMAR

Det. in ፩ २ *irtt*, var. O.K. ፩ ३ *irtt*, 'milk'.

¹ See the pictures *Ti* 114; DAV. *Plak.* i. 16. ² *D. el B.* 94. ³ *L. D.* ii. 66.

Det. in ፩ २ *irp* 'wine'.

¹ For the O.K. form see the picture *Ti* 114; also *Saqq. Mast.* i. 39, no. 55.

² *D. el B.* 105.

Ideo. or det. in ፩ १ var. ፩ *hnkt* 'beer'. Det. pot, measure, exx. ፩ १ *krht* 'vessel'; ፩ १ *ds* (O.K. *ds*) 'des-measure' (§ 266, I, end); offerings generally, in ፩ १ *inw* 'tribute'; notions connected with fluids, ex. ፩ १ *thi* 'be drunken'. As det. in the group ፩ 'food and drink', see on ፩ X 2.

Ideo. in ፩ ३ var. Pyr. ፩ ४ *wdpw* 'butler'.

¹ *Urk.* iv. 427, 8. ² *Urk.* iv. 429, 7. ³ See SCHÄFER-LANGE, *Grab- und Denksteine*, iii. 58; *PSBA.* 13, 451. ⁴ Pyr. 120. 124. See too *Sebekn.* 7, 9.

Use as last, but not specially in connection with beer. Exx.

፩ १ *krht* 'vessel'; ፩ १ *wrh* 'anoint'. Also in ፩ ३ *wdpw* 'butler', see on W 22.

¹ *Th. T. S.* iii. 12. ² *Th. T. S.* iii. 4. ³ *Meir* iii. 25.

Phon. *nw*, exx. ፩ *nw* (*nyw*) 'of', m. plur. (§ 86); ፩ *Nwt* '(the goddess) Nut', probably so to be read in spite of the obscure Pyr. var. ፩ १; ፩ १ *hnw* 'vessel'. Initial *nw* is preferably written ፩ १ or ፩ १, see on U 19; final *nw* is sometimes written ፩ १, exx. ፩ १ *mnw* 'monument'; ፩ १ *Thnw* 'Libya'. Great difficulty is caused by ፩ १ 'primeval waters', which may have existed in two distinct forms (1) *nw* or *nww* or *nw*, (2) *nnw* or *nwnw*; ^{1a} for (1) see Pyr. var. ፩ १^{1b} and a Dyn. XVIII enigmatic equivalent ፩ १^{1c}; ^{1d} for (2) see Pyr. var. ፩ १^{1d}, also the female counterpart ፩ १² *nn* 'the lower heaven', further the personal name ፩ १³ presumably to be read *Nnw* on account of ፩ १³ *nn(i)* 'child', and lastly Copt. ፩ १⁴ 'abyss'. Phon. also *in* (cf. § W 25) in ፩ var. Pyr. ፩ ४ *ink* 'I' (§ 64). Phon. det. in ፩ ५, varr. Pyr.. ፩ ५ ፩ ५ *dʒdʒt* 'council'; whether the former writing has anything to do with ፩ ५ ፩ ५ ፩ ५ *dʒdnw* 'pot' is doubtful. So too from M.K. ፩ ५ replaces O.K. ፩ in such words as ፩ ५ var. Pyr. ፩ ५ *kd* 'build'; ፩ ५ var. O.K. ፩ ५ *kd* 'form'; the old phon. det. օ here is due to the stem-meaning of *kd* 'go round', while the later օ may be connected with *kd* 'fashion' pots. From M.K. onwards օ inexplicably accompanies ፩ Aa 27, exx. ፩ ५ *nd* 'protect'; ፩ ५ *nd* 'ask'; and is found also in ፩ ५ *Nhbt* '(the goddess) Nekhbet'.

W 24 O (continued)

The writing  for *m-hnw* 'in', lit. 'in the interior (of)' (*§ 178*) has been explained as a rebus *m(w) h(r) nw* 'water under pot'.¹⁰ Lastly,  occurs as occasional alternative to  or  as det. pot; hieratic often fails to distinguish these signs.¹¹

¹ Pyr. 1184. 1454.² und die acht Urgötter §§ 61, 127.³ Pyr. 1078. 1778. 1780.⁴ Pyr. 1691.⁵ GRIFFITH, Catalogue of the Demotic⁶ Papyri in the Rylands Library iii. 220, n. 14.⁷ Berl. Ak. 1912, 962.⁸ Pyr. 1713.⁹ D. el B. 35.¹⁰ Urk. i. 101, 10.¹¹ ÅZ. 59, 61.¹² Fuller collection of relevant writings, SETHE, *Amun*¹³ Rev. d'Ég. i. 5.¹⁴ Rev. d'Ég. i. 5.¹⁵ Sitz. d. Berl. Ak. 1912, 962; also Coptic *emne*.¹⁶ Eb. 66, 17.¹⁷ Pyr. 1597.¹⁸ Also in the related place-name *Nyb* 'El-Kâb',¹⁹ Paheri 1.²⁰ MÖLL. Pal. i. nos. 495. 497.

25  combination of  W 24 In  var. Pyr.                    

Det. bread, exx.                     <img alt

Sign-list

EGYPTIAN GRAMMAR

- X 3** 0 alternative form of last Use as last. For 0 as the earliest form of 2 N 34 see on that sign.
- 4 roll of bread Det. bread, food, exx. 1 *t* 'bread'; 2 *prt-hrw* 'invocation offerings'; 3 (Dyn. XVIII), var. M.K. 4 *snw* 5 'food-offerings'. From this last, phon. det. *sn* (*zn*), exx. 6 var. *sni* 'pass by'; 7 *Snt* 'Senet', a fem. personal name; cf. also Pyr. 8 *iznii* 'are opened'. In *sni* 'pass by' and *snt* 'likeness' is subsequently replaced by X 5, while Pyr. in *zn* 'open' later takes the form N 37, see on that sign. Also from *fks* 'cake', phon. det. *fks* in *fks* 'reward'. As det. sometimes takes the place of (Dy়ns. XI. XII), ex. *hbw* 'festivals'.⁹
- ¹ *Meir* ii. 8. Sim. *ȝbt* 'food', *ib.* ² *BH.* i. 33. ³ *BUDGE*, p. 159, 7.
⁴ *D. el B.* (XI) i. 24. ⁵ This word chances not to have been found before M.K., in which period its spellings are influenced by *sn* 'smell'. Nevertheless, the original value was probably *zrw* and this must be regarded as the origin of the phonetic value *sn*; see *Rec.* 35, 61. ⁶ *BH.* i. 8, 8. ⁷ *Th. T. S.* ii. 7. ⁸ *Pyr.* 1408.
⁹ Brit. Mus. 580. Sim. *ib.* 237 (*Wig* 'Wag-festival'); CL-VAND. § 33, 10 (*sbd* 'month-festival').
- (N 18) alternative form of last Use as last.
- 5 semi-hieratic form of Det. bread, food (in hieratic only), exx. 1 *t* 'bread'; 2 *rkw* 'provisions'. From Dyn. XII usually takes the place of as phon. det. *sn* 3 in hieroglyphic 4 *sni* 'surpass'; 5 *m-snt-r* 'in the likeness of' (§ 180).
- ¹ *Pr.* I, 4. ² *Pr.* 17, 7. ³ See the intermediate forms in the name *Snt*, Brit. Mus. 461; *Th. T. S.* ii. 38. ⁴ *Urk.* iv. 102, 4. Sim. 'pass by', *Sh. S.* 9. ⁵ *Urk.* iv. 168, 10.
- 6 a round loaf bearing mark of the baker's fingers¹ Det. in 2 *pst* 'loaf'. Hence phon. det. in 3 *pst* 'antiquity', 'primeval times' and the related words. Apt to be confused with N 9.⁴
- ¹ *DAV. Ptah.* i. 18, no. 402 and p. 34; *Ann.* 9, 111; also depicted *D. el B.* 135.
² *Th. T. S.* i. 18. ³ *Urk.* iv. 165, 14. ⁴ Ex. *psty*, *Urk.* iv. 1168, 6.
- 7 1 half-loaf of bread In O.K. offering-lists described as *gsw* 'half-loaves' or *pdw* '(pieces) spread out'.^{1a} In Pyr. or 2 ideo. or det. food, exx. 2 *wsh* 'eat'; 3 var. 4 *wnm* 'eat'. After O.K. becomes indistinguishable from N 29 and is practically confined to the word 4 var. 5 *wnm* 6 'eat'. Exceptionally, however, as det. in 7 *snw* 'food-offerings'.
- ¹ *Pyr.* 807 (M 113). Often, but not always, taller and narrower than N 29.
^{1a} *GUNN, Teti*, 207, n. 1. ² *Pyr.* 805. Sim. *btbd* 'have abundance', *ib.* ³ *Pyr.* 807. ⁴ *Dend.* 12. Sim. *Munich* 3, 7. ⁵ Brit. Mus. 574, 17; *Paheri* 3. ⁶ For the reading see on M 42 and Z 11. ⁷ *Urk.* iv. 481, 12.

- X 8 conical loaf? (in M.E. more often replaced by D 37) Ideo. give, in 'give' (§ 289, 1) and also in Pyr. rare varr. for the more usual imperative var. M.E. 'give' (§ 336). The use in both stems seems conclusive for the ideographic character of the sign.³ Possibly the earliest reading of the later stem *rdi* was *rədī*, cf. the personal name var. and the Pyr. var. for 'efflux'; but verb-forms with repetition of the sign (ex.) doubtless indicate the reading *dd*; so in Pyr. already^{5a} and see above § 289, 1. From the same stem, phon. *d* (very rare), ex. 'fruit'. The word 'provisions' probably reads *dī*; in hieratic the inner markings are not shown, so that the sign there resembles , see before Z 9, and the word has, therefore, often been read *spd*.⁸

¹ Pyr. 381.² Pyr. 392.³ Verbum i. § 454.⁴ ÄZ. 39, 135.⁵ Pyr. 788.^{5a} Pyr. 608. 716. 824.⁶ Cairo 20350, a.⁷ Sebekn. 7, 13; Urk. iv. 64, 1; Haremhab, right side 9; see GARDINER, Egyptian Hieratic Texts, i.^{16*}, n. 7.⁸ So still Wb. iv. 112.

Sect. Y. Writings, Games, Music

- Y 1 papyrus rolled up, tied, and sealed (from Dyn. XII on also vertically ||) Ideo. in var. Pyr. *mđst* 'papyrus-roll', 'book'. Hence phon. *mđst*³ in varr. *mđst* 'sculptor's chisel'. Det.⁷ writing and things written, exx. 'write'; *m(w)dt* 'word'; *hks* 'magic'; also abstract notions, exx. *mrt* 'truth'; *msw(y)* 'be new'; *rḥ* 'know'; 'great'. In mathematical books and accounts is often abbrev. for *dmd* 'total'.⁸

¹ Eb. 30, 7.² Pyr. 491.³ PSBA. 21, 269.⁴ Two Sculptors 8.⁵ Leyd. Denkm. iv. 14.⁶ Common in Dyn. XIX. XX.⁷ Old uses,⁸ ÄZ. 57, 75.⁸ Compare P. Kah. 8, 13. 14. with ib. 8, 62. Sim. P. Louvre 3226,¹⁰, 8. This use arises from the habit of separating from the phonetic signs for*dmd* in M.K. papyri, see Exerc. XX, (a), end.

- 2 O.K. form of last (also vertically || from Pyr. on in specific cases)²

Use as last.

¹ DAV. *Plak.* i. 15, no. 341. Sim. in Dyn. XI, exx. Brit. Mus. 614; Louvre C 14. In Dyn. XII, one thread is apt to be shown, not none as here, nor yet on each side as in Y 1, exx. Brit. Mus. 581; Louvre C 1. ² Pyr. iv. § 131; Dyn. XI, POL. § 29.

Sign-list

Y 3  ¹ scribe's outfit, consisting of palette, bag for the powdered pigments, and reed-holder

4  ¹ rarer alternative form of last

5  draught-board (*znt*) ¹

6  ¹ draughtsman

7  ¹ harp

8  ¹ sistrum

EGYPTIAN GRAMMAR

Ideo. or det. in  ^{1a} *mnhd* 'scribe's outfit'; also in  var.  ² *sšw* 'writings' and the related words, cf. O.K.  ³ *zš* 'write'. Perhaps because pigments were ground fine and smooth, det. in  ⁴ *nrr* 'smooth'; in the Ebers medical papyrus  ⁵ is abbrev. for  ⁶ *snrr* 'made smooth', 'ground fine'. Also det. of the Pyr. word  ⁷ *tms* 'red' with its later derivative  ⁸ *tmsw* 'injury', 'harm'.

¹ This form is commonest at all periods, exx. O.K., *Sagg. Mast.* i. 4. 8. 20; M.K., *Bersh.* i. 15. 18. 20; Dyn. XVIII, *Th. T. S.* i. 1; *Rekh.* 5; *Puy.* 20, 7. So too in hieratic, MÖLL. *Pal.* i. no. 537. For the leather bag see SCHARFF 54; QUIB. *Sagg.* 1911-12, Pl. 29; later apparently interpreted as a water-bowl. ² *Wb.* ii. 83, 3. ³ *Rekh.* 2, 16, cf. p. 25. ⁴ *Sah.* 1; *Pyr.* 906. ⁵ *Herdsm.* 5; *Eb.* 108, 20. ⁶ Sim. n^o, *Urk.* iv. 717, 12. ⁷ Exx. *Eb.* 4, 15. 19; 6, 1. ⁸ P. *Kah.* 5, 50; *Hearst* 1, 17. In O.K. scenes *snrr* means 'polish', MONTET 290. 306; *snrr tb* 'make calm', lit. 'smooth the heart', *Pt.* 276; BUDGE, p. 262, 14. ⁹ *Wb.* v. 369.

⁸ BUDGE, p. 110, 2; 262, 5; cf. *AZ.* 60, 74.

Use as last.

¹ Exx. O.K., *Ti* 23. 46; M.K., *BH.* i. 29. 30. 35; Dyn. XVIII, Cairo 34017 = LACAU, Pl. II. GUNN, *Teti*, 147, n. 1 points out that this alternative form occurs especially often in texts written from left to right, the scribe having omitted to make the customary reversal. So too with certain other signs.

For unknown reason, phon. *mn*, ² exx.  *mn* 'remain';  ³ *'Imn* '(the god) Amün';  ⁴ *mnh* 'wax'.

¹ For this word, see L. D. ii. 61, a; when it has the draught-board as det. this is much more elaborately made than the sign for *mn*, ex. *Urk.* v. 4, 12. ² Reading from a large number of Coptic equivalents, exx. *moun* 'remain'; *Amoun* 'Amün'.

Ideo. or det. in  ² var.  ³ *ib*(*ʒ*) 'draughtsman'. Hence phon. *ib*_ʒ in  ⁴ varr.  ⁵  ⁶ *ib*_ʒ(*w*), 'dances'.

¹ CAPART, *Rue* 69. ² REC. 16, 129, Dyn. XX. ³ *BH.* ii. 7. ⁴ *BH.* ii. 17.

Det. in  ² *bnt* (*bint*) ³ 'harp'.

¹ Thebes, tomb 50. ² *Urk.* iv. 174, 13. ³ Sadidic *boint*.

Ideo. or det. in  var.  ³ 'sistrum'. Between Dyn. XIII-XVIII occasionally phon. *shm* (because of  ⁴ *shm*, a kind of sistrum ²), ex.  ⁵  ⁶ *shm-ir(y)-f* 'potentate'.

¹ Thebes, tomb 93. ² GARD. *Sin.* p. 102. ³ KOPT. 8, 8. Cf. Cairo 20539, i. b 11.

Sect. Z. Strokes, Signs derived from Hieratic, Geometrical Figures

Z 1 | stroke (perhaps properly a wooden dowel) ¹

Ideo. or det. one, unity, exx.  var. | *wr* 'one',  ² 7 'seven', lit. 'seven units' (§ 259). Following an ideogram | denotes that this means the actual thing that it depicts (§ 25), exx.  ³ *r* 'mouth';  ⁴ *dw* 'mountain'; so too in duals and plurals, exx.  ² *cwy* 'the two arms';  ³ *sbw* 'stars';  ⁴ *fswt* 'countries'; in fem. nouns the fem. ending

STROKES, SIGNS DERIVED FROM HIERATIC, ETC. **Sign-list**

Z 1 | (continued)

t often intervenes, ex. *hst* 'water-jar'. Such writings were often preceded in O.K. by phonetic signs;⁵ M.E. survivals of this practice are *s* 'man'; *hrw* 'day'. Ideo. with **i** is occasionally followed by a det., ex. *Rr* 'Re'. Misunderstanding of the function of **i** often leads to its displacement, exx. ⁷ for *s* 'man'; ⁸ for *s* 'pool'. It is strange that ⁹ is a later writing of 'earth', while ¹⁰ (also found in Dyn. XVIII)¹¹ is the usual writing in Dyn. XII; ¹² *dmi* 'town' is likewise difficult to explain, as also are many later exx. of the stroke. Already in Pyr. cases occur of ideo. with **i** being together transferred to a phonetic use;¹³ so often in M.E., exx. *hr* 'upon' (§ 165); var. *ss* 'son'; so particularly in group-writing (§ 60), exx. *r*; *t*. Along similar lines occurs as det. towns in place of , ex. ¹⁴ *Nn-nsw* 'Heracleopolis'. Occasionally in Dyn. XII **i** serves merely to fill an empty space, exx. ¹⁵ *n* 'for'; ¹⁶ *d.n.i* 'I ferried across'. In Pyr. **i** was sometimes used (like **** and **o**) to replace human figures, these being regarded as magically dangerous¹⁷; so in M.K. coffins, exx. ¹⁸ for *i* 'O'; ¹⁹ for *Ssnb-nf*, a man's name; extensions of this use appear to be the rare employment of **i** as suffix 1st pers. sing. *i* 'I';²⁰ perhaps also the fairly common writing ²¹ for , , or *s* 'man'.

¹ *Hier.* p. 37.

⁵ *ÄZ.* 45, 46.

⁹ *Urk.* iv. 81, 4.

¹³ *Urk.* iv. 102, 15; 615, 11.

¹⁷ *ÄZ.* 45, 50.

¹⁸ *Louvre C* 1, 11.

²⁰ *Urk.* i. 126, 2.

²¹ *Cairo 20538*, ii. c 4;

²² *Urk.* iv. 1148, 12.

² *Cairo 20538*, ii. c 7.

⁶ *Urk.* iv. 81, 4.

¹⁰ *Urk.* iv. 96, 3; cf. *ib.* 149, 14.

¹⁴ *ÄZ.* 306.

¹⁸ *ÄZ.* 51, 51.

²⁰ *Cairo 20057*, q, qu. § 505, 1; *ib.* 20538, ii. c 4.

Already in O.K., *Urk.* i. 126, 2.

²¹ *Cairo 20538*, i. c 4;

²³ *Urk.* iv. 1148, 12.

³ *Sin.* B 271.

⁷ *BH.* i. 8, 8.

¹¹ *Urk.* iv. 1165, 10.

¹⁵ *Peas. Bt.* 17.

¹⁹ *Sin.* B 25, 79.

²³ *LAC. TR.* i, 6;

²⁷ *ÄZ.* 51, 22.

²⁹ *Urk.* i. 1, 6;

³³ *ÄZ.* 51, 51.

³⁵ *Cairo 20057*, q, qu. § 505, 1; *ib.* 20538, ii. c 4.

³⁷ *Urk.* iv. 1148, 12.

2 1 1 | stroke **i** Z 1 thrice repeated (also written **ii**, **i** Z 3; for the vertical writing **—** see below end of text and in Z 3)

Det. plurality (§ 73, 3), common from Dyn. IX onwards, following an ideo. or det. to show that it should be understood three times, exx. ¹ *rnpwt* 'years' for O.K. ² *ndsw* 'poor men' for O.K. ⁵ *wswt* 'roads', ⁶ *ndsw* 'poor men') the use of

Z 2111 (continued)

... as plur. det. cannot be dissociated entirely from the employment of |, \ or ° in Pyr. as substitutes for signs representing human figures which were regarded as magically dangerous; ⁷ see on | Z 1; \ Z 5; ° N 33. In M.E. ... is found also with purely phonetic signs, exx.  wrw 'great ones';  nfrw 'beautiful', m. plur.;  nfrt 'beautiful', f. plur. Sometimes it marks plural meaning in words that are not themselves plural, exx.  sn 'their';  hnyt 'sailors', a fem. collective (§ 77, 3);  r̥s; 'many'; such plural meaning was probably felt by the Egyptians in words denoting foodstuffs, materials, etc., though singular in form, exx.  t 'bread';  iwf 'flesh';  hd 'silver'; so too in fem. participles with neuter meaning, ex.  addt 'what was said', '(things) said' (§ 354). Lastly, ... is found with abstracts ending in w (§ 77, 1), whether these are really plurals or not, exx.  s̥msw 'following';  ndsw 'poverty'; so too with fem. infinitives, if such they be (§ 298, end), ex.  mswt 'birth'.¹⁹ For the same sign vertically written ̄ in hieratic, see under Z 3; for ̄, ̄ and ̄ in numbering the days in dates, see § 259; ̄ occurs also as phon. det. in  hmt 'think'.

¹ Siut 4, 22. ² Siut 3, 12. ³ Pyr. 508; sim. ib. 396. See AZ. 51, 18, n. 1.⁴ Pyr. 292. ⁵ Urk. i. 127, 9. ⁶ Urk. i. 151, 11. ⁷ AZ. 51, 18. ⁸ Leyd. V 4, 12. Sim. dd̥s(w), Meir iii. 4; n̥t̥w, Urk. iv. 654, 14. ⁹ Cairo 20086, b 12. Sim. Leb. 61. ¹⁰ Cairo 20086, b 14. ¹¹ Dots already in Pyr. 287, cf. Rec. 35, 67. ¹² Urk. iv. 1, 16. ¹³ Sin. B 147, as predicate. ¹⁴ Cairo 20024, b 8. ¹⁵ Leyd. V 4, 3. ¹⁶ Urk. iv. 423, 10. ¹⁷ BUDGE, p. 80, 14. ¹⁸ Pt. 428. ¹⁹ Verbum ii, § 603.

3 | stroke | Z 1, thrice repeated vertically

For °°° see on N 33.

4 \ two diagonal strokes (less often written \|)

Use as last, common in hieroglyphic from Dyn. XII,¹ rarer in hieratic, where the original form was ̄.²

¹ Exx. Leyd. V 4. V 88; Brit. Mus. 572.² Möll. Pal. i. nos. 562. 563.

In Pyr. only as det. duality, exx.  tn(i) 'you two' (cf. for the ending  s̥ni 'they two');  varr.  rw(i), also  rw(y), 'the two arms'; and in O.K., ex.  phw(i) 'end' (§ 77, 1). In some cases \ replaced human figures, these being deemed to be magically dangerous, exx.  sbt(i) 'the two glorious ones' for  s̥it(i);  t(w)twi 'the two images'. The last use survives in M.E.  Sdty 'Crocodilopolite', where, however, the hieratic \ replaces, not dangerous signs, but signs difficult to

STROKES, SIGNS DERIVED FROM HIERATIC, ETC. Sign-list

Z 4 \ (continued)

5 \¹ diagonal stroke as made in hieratic (sometimes also \)

6 \¹ hieratic substitute for  A 13 or  A 14.²

7 Ⓛ hieroglyphic adaptation of the hieratic abbreviated form of  G 43

draw; ¹² see below \ Z 5. Elsewhere in M.E. \ is always phon. *y*, through its constant association earlier with words of dual form, i.e. ending in *t* (*y*); exx. are  *fy*, var. Pyr.  *fi*, 'his two' (§ 75, 2);  *imnty* 'western';  *smtyfy* 'who will hear' (§ 364). Except in compounds like the last \ *y* is always final consonant; it has its distinct uses, and \ is seldom interchangeable with it.¹⁴

¹ Pyr. 2200. Sim. but with dots, *sn(l)*, Pyr. 631. ² Pyr. 1424; see Rec. 35, 68. ³ Pyr. 1588. ⁴ Pyr. 1533. ⁵ Pyr. 1965. ⁶ Pyr. 1235. ⁷ Urk. i. 126, 14. ⁸ Pyr. 1425. ⁹ Pyr. 1248. Sim. *sn(t)*, Pyr. 628. ¹⁰ Pyr. 1329. ¹¹ ERM. *Hymn.* 1, 4, qu. Exerc. XXXI, (a). ¹² Rec. 38, 183; most similar exx. belong to Dyn. XIX or later. ¹³ Pyr. 2048; see Rec. 35, 69. ¹⁴ Verbum i. § 125.

Identical in origin with the stroke \ used in Pyr. as substitute for human figures, these being considered magically dangerous, ex.  ² *smšw* 'elder' for             In M.E. hieratic used only to replace dets. that were difficult to draw,³ exx.  *st* 'moment' for          ⁵ *snnt* 'base' for         In hieratic texts of Dyn. XVIII sometimes in personal names without preceding phon. signs for  B 3, ex.  ⁶ *Ah-ms(w)* 'Ahmosé' for        Only very rarely to replace complicated or unusual signs in Dyn. XVIII hieroglyphic, ex.  ⁸ *idt* (?) 'cow', possibly for         Hieratic \ as substitute for two dets. (see on \ Z 4) is merely a doubling of \.

¹ See below n. 8. ² Pyr. 608. See ÄZ. 51, 20. ³ Möll. Pal. i. no. 559. ⁴ Pr. 1, 4; Leb. 32, 116. ⁵ Rhind 60, 1. ⁶ NORTHAMPT. 18, 7. ⁷ NORTHAMPT. 22, 33. ⁸ Urk. iv. 1020, 10. Sim. in *kft* 'glory', ib. 385, 4. As det. in *smdt* 'staff' (of temple), Paheri 9, 39, perhaps by confusion for — D 13.

Det. death, enemy, exx.  ³ *m(w)t* 'die';  ⁴ *bpt* 'decease';  ⁵ *bft(y)* 'enemy'. In hieroglyphic barely distinguishable from \ F 20.

¹ Möll. Pal. i. no. 49, B. For the hieroglyphic form here adopted, see the ex. qu. below n. 4. ² It is doubtful whether this is abbrev. of A 13 or A 14. Mutilation for superstitious reasons has clearly played a part, see ÄZ. 51, 51. ³ LAC. TR. p. 9, l. 4. ⁴ Cairo 20003, 2 = Musée Egyptien i. 18. ⁵ Eb. 109, 17.

The hieratic abbreviation of  G 43, best transcribed by Ⓛ, occurs with increasing frequency from Dyn. IX onwards.¹ In hieroglyphic Ⓛ *w* does not become really common until the reign of Akhenaten.² Not to be confused with Ⓛ V 1.

¹ Möll. Pal. i. no. 200, B. Early exx. at Hat-Nub and in the Bershah coffins. ² Early exx., Urk. iv. 2, 12; 148, 8, beginning of Dyn. XVIII.

For Ⓛ as hieroglyphic adaptation of the more cursive hieratic form of  G 39, see on H 8.

For \ as hieroglyphic equivalent of the hieratic forms of  T 13 and  U 39, see U 40.

Sign-list

Z 8  oval

(N 33)  circle

(M 44)  triangle?

Z 9  two sticks crossed

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Det. round, in  *šnw* 'circuit' and the related words.

A different sign from = N 18.

¹ *D. el B.* 156.

Det. round, from O.K.¹ onwards common in words from the stem *kd(i)* 'go round', exx.  *ikdw* 'builders';  *kd* 'character'. From Dyn. XI increasingly often replaced by  W 24.

² Exx. *kd* 'form', *Urk.* i. 101, 10, 12; *kd* 'mould', *Pyr.* 1597.

³ Cairo 20609, a 6. ⁴ *Brit. Mus.* 614, 8.

Ideo. or det. in  var.  *spd* (*spd*) 'sharp', unless it is there a thorn, as in  *srt* 'thorn', see on M 44. In  *t-hd* 'white bread' it signifies a loaf of triangular shape.

¹ *Urk.* iv. 770, 9.

Det. break, exx.  *hd* 'damage';  *gmgm* 'break'; divide, exx.  *wpi* 'divide';  *pss* 'divide';  *hbi* 'lessen', 'subtract'; actions involving something crossed or encountered, exx.  *d़i* 'cross';  *wsh* 'answer';  *bb* 'be united'; also in many words where the reason is not apparent,⁶ exx.  *nkt* 'matter', 'trifle';  *t3s* 'boundary';  *wdi* 'emit (sound)'. In  *hsb*, var. O.K.  *hsh*, 'reckon', lit. 'break up (numbers)' ⁹ × (Z 10), the prototype of ×, has become  Aa 2; but in × *hsb* '1/4' (§ 265) the sign has survived as an ideo. Owing to its use as det. in certain stems, × has acquired special phon. or semi-phon. values as follows: (1) *sws*, in  *varr*.  *swsi* (*sws*) 'pass by', from  *varr*.  *sws* (*sws*) 'cut off'; (2) *sd*, in  *var*. *Pyr.*  *sd* 'flame', from  *sd* 'break'; (3) *bbs*, in  *var*.  *bbsw* 'plough-lands'; (4) *šbn*, in  *var*.  *šbn* 'mixed', 'various'; (5) *wp*, in  *var*. Dyn. XX  *wp st* 'specify it', a phrase serving to introduce details of accounts; (6) *wr* (reason unknown), exx.  *sw(r)i* 'drink';  *var*.  *hpr-wr*, a medicament.

¹ *Sinut* 1, 224. ³ LAC. *TR.* 10, 9. ⁵ *Sin.* B 13. ⁷ *Leb.* 4. ⁹ *Sin.* R 8.

⁶ See *ÄZ.* 49, 119. ⁷ *Rekh.* 2, 12. ⁸ *Sin.* B 140. ¹⁰ *ÄZ.* 49, 116; *SETHE*, *Zahlworte* 77. ¹¹ *Peas.* B 1, 8. ¹² *Sin.* B 14. ¹³ *Sin.* R 39.

¹⁴ LAC. *TR.* 7, 4. Sim. in O.K., *Ti* 110. ¹⁵ *Rekh.* 2, 13. ¹⁶ *Sh. S.* 56; for the reading see *DAV. Ptah.* i. p. 29 and *Akhm. cñncete* 'holocaust', *ÄZ.* 48, 36.

¹⁷ *Pyr.* 124. Sim. *Dend.* 37 F. ¹⁸ LAC. *TR.* 10, 7. ¹⁹ *Th. T. S.* i. 30.

²⁰ *P. Kah.* 15, 68; *Urk.* iv. 769, 9. So usually written in phrases like *t šbn* 'various loaves'. ²¹ *Hat-Nub* 11, 14. ²² P. *Gurob A* (unpublished), vs. 2, 18, end of Dyn. XVIII; so often later. ²³ *P. Kah.* 40, 3; cf. *wpt* 'specification', *GRIFFITH*, *Kahun Papyri*, p. 20. ²⁴ *Eb.* 21, 13–14. ²⁵ *Eb.* 96, 3. *Sim. ss-wr*, *ib.* 9, 13. ²⁶ *Eb.* 96, 10.

STROKES, SIGNS DERIVED FROM HIERATIC, ETC. Sign-list

Z 10 ✕¹ O.K. form of last

Use as last.

- I 11** + two planks crossed and joined^o
- Ideo. (?) in varr. + *imi* 'who is in' (§ 79) and derivatives. Hence (?) phon. *imi*, ex. - var. - *imi* 'not be' (§ 342). Since in hieratic + is often identical with + M 42, Dyn. XVIII hieroglyphic writes var. O.K. ² for old var. *wnm* 'eat'; so too ³ for ⁴ *wndwt* 'subjects'.

⁰ *Hier.* p. 37. ¹ *Urk.* iv. 497, 17; *BUDGE*, p. 100, 14. ² *AZ.* 42, 10, if not a careless form of +. ³ *BUDGE*, p. 18, 15; 19, 2. ⁴ *MAR. Abyd.* ii. 30, 28, where is wrongly written for .

Sect. Aa. Unclassified

Aa 1 ☺¹ human placenta?²

² ☩ pustule or gland?¹

Cf. ☺³ *b* 'placenta (?)'. Hence (?) phon. *b*.
¹ Ex. *Five Th. T.* 3. ² *Sah. Text*, 77; *JEA*. iii. 235. ³ *JEA*. iii. 243.
 Det. bodily growths or conditions, especially of a morbid kind, exx. ☺ ² *wbnw* 'wound'; ³ *bryt* 'disease'; ☺ ⁴ *wbd* 'suffer'; ☺ ⁵ *hp*; 'navel' (whence phon. *hp*(?) in var. ⁶ *hpw* 'sculptured reliefs'); fat, distended, exx. ⁷ *dd* 'fat'; ⁸ *sfw* 'swell'. Replaces a number of O.K. signs that have become obsolete:—(1) ☩ = Pyr. () V 38, as ideo. or det. in ☩ ¹⁰ *wt* 'bandage'; ¹¹ *wt* 'embalmer'; ¹² *sdwbt* 'treat', 'embalm'. (2) ☩ = O.K. ✕ Z 10, as det. in ☩ ¹³ abbrevv. ☩, ¹⁴ ☩ ¹⁵ *hsb* 'reckon'; everywhere else ✕ has survived as ✕ Z 9. (3) ☩ = Pyr. ☐ F 52 or O.K. ☉ N 32, as det. excrement, in ☩ ¹⁶ *hs* 'excrement'; smell, in ☩ ¹⁷ *sty* 'odour'; clay, in ☩ ¹⁸ *sin* 'clay'. (4) ☩ = O.K. ☐ W 6, as ideo. or det. in ¹⁹ var. ☐ ²⁰ *whst* 'cauldron'; hence phon. *whs* in ☩ ²¹ var. O.K. ²² *Wht* 'Oasis'. (5) ☩ = ☐ W 7, as det. in ²³ *mst* 'granite'; ²⁴ *3bw* 'Elephantine'. (6) ☩ = ☐ V 32, det. in ²⁵ *gw*, prob. for ²⁶ *grwt* 'bundles'; hence phon. det. *g*; in ²⁷ *grwt* 'be narrow'. (7) ☩ = ☐ M 41, det. in ²⁸ *cedar*.

¹ Conjectured from the very frequent use in the medical papyri and from ☩ Aa 3. ³ *Eb.* 70, 2. ⁵ *Eb.* 36, 14. ⁴ *Adm.* p. 104. ⁶ *Eb.* 100, 19. Cf. *JEA*. iii. 203.

⁷ *Urk.* iv. 422, 11. ⁹ *Urk.* iv. 425, 2. ¹¹ *Peas.* B 1, 62. ¹² *Eb.* 6, 17. For the reading *sdwbt*, not *stwbt*, see *Urk.* iv. 913, 17.

¹³ *D. el B.* 79. ¹⁴ *Th. T. S.* i. 27. ¹⁵ *Eb.* i. 18. ¹⁷ *Eb.* 71, 17. ¹⁸ *LAC. TR.* 72, 42.

¹⁶ Cairo 20296, i. ¹⁸ *BUDGE*, p. 123, 7. ¹⁹ *NAV. ch.* 17, 68. ²⁰ *Eb.* 65, 18. ²¹ *Puy.* 31; reading, see *AZ.* 56, 44.

²² *Urk.* i. 125, 14. ²³ *Urk.* iv. 623, 5. ²⁴ *D. el B.* 154. ²⁵ *Urk.* iv. 138, 6.

²⁶ *D. el B.* 77. ²⁷ *Eb.* 102, 10. ²⁸ *Urk.* iv. 23, 12; 423, 2.

Sign-list

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- Aa** 3 pustule or gland (?) **Aa** 2 with liquid issuing from it Rarer alternative of **a** in its medical or anatomical use, as det. when soft matter or a liquid is meant, exx. ¹ *wst* 'urine'; ² *s* 'soft inner parts (?)'. Also det. in ³ *s* 'odour'.

¹ *D. el B.* 110. Sim. *kny* 'bulging', *P. Kah.* 7, 60. ² *Urk.* iv. 84, 8; cf. *Is.* *Eb.* 97, 8; see now *JEA* 33, 48. ³ *Bersh.* ii. 17.

For ∇ Aa 4 (Pyr.) see after ∇ W 10*

- 5 𓀃¹ part of the steering gear of ships? Ideo. or det. in Pyr. 𓀃² var. 𓀃𠀤³ *hpt* in the phrase 𓀃𠀤⁴
itj hpt 'take the *hpt*', i.e. 'proceed by boat', *r* to a place; cf. M.K. 𓀃𠀤⁵ *dsr hprt* 'direct the *hprt*' (plur.), i.e. 'sail'⁶. From M.K. there is a word 𓀃⁵ *hpt* 'oar', but the writing 𓀃 in Pyr. makes it impossible to interpret that word as meaning 'oar' from the start.⁸ Hence phon. *hp*, exx. 𓀃𠀤⁷ *Hpy* 'Hepy', one of the four sons of Horus; 𓀃⁸ *hp* 'Apis-bull'. The full stem may have been *hip*, cf. Pyr. 𓀃𠀤⁹ *hip* 'hasten'.

¹ Apparently made of rushes bound together. See for various forms, KEES, *Opfertanz des äg. Königs* (Leipzig, 1912), Pl. 5; PETRIE, *Royal Tombs* ii. 24, no. 210; L. D. ii. 6; Sah 21; Meir ii. 17 no. 66. ² Pur. 822. ³ Pur. 1246.

¹ B.; L. D. II. 6; San. 31; Meir II. 17, no. 60. ² Pyr. 873. ³ Pyr. 1340.
⁴ AZ. 62, 4, n. 3. ⁵ Brit. Mus. 6655, qu. KEEES, *op. cit.* 221. ⁶ See KEES,
op. cit. 74 foll. ⁷ PETRIE, *Czech and Elisha*, 12 C. ⁸ Meir II. 11. ⁹ Pyr. 1081.

^a op. cit. 74 foll. ^b PETRIE, Gizeh and Rifeh 13 G. ^c Meir I, II. ^d Pyr. 108 I.

- 6 $\wedge\wedge^1$ doubtful (different from
 $\wedge\wedge$ S 23) Det. in $\overrightarrow{\text{S}}\text{M}^2 \text{tm}_3$ (from $\underline{\text{tm}}_3$?) 'mat'. Hence (?) phon. det.
 $\underline{\text{tm}}_3$ in $\overrightarrow{\text{S}}\text{M}^3$ var. $\Rightarrow \text{f}\sim^4 \underline{\text{tm}}_3$ 'cadaster (?)' or kind of
 land (?).

¹ Brit. Mus. 828. ² BH. ii. 13. ³ Brit. Mus. 828, qu. § 450. ⁴ Rekh. 3, 18, qu. Exerc. XXX (iii).

- 7 doubtful (in Dyn. Det. or phon. det. *skr* (*śkr*) in || ³ varr. || ⁴ ⁵ || ⁶
 XVIII often re- *skr* (*śkr*)⁷ 'smite'.
 versed ²)
¹ Exx. O.K., *Ti* 60; *Sah.* 1. The sign has been supposed to represent a mat of

¹ Exx. O.K., *Ti* 60; *Sah.* I. The sign has been supposed to represent a mat of papyrus, *Rec.* 26, 48. From Dyn. XIX onwards interpreted as a claw or hoof, so already perhaps *D. el B.* 100; in *Gebr.* i. 14 (Dyn. VI) it looks like an arm. The sign is not found in hieratic. ² Exx. *Urk.* iv. 9, 14; 659, 15. ³ *Urk.* iv. 895, 5. ⁴ *D. el B.* 100; *Urk.* iv. 780, 11. ⁵ *Urk.* iv. 36, 7 in *skr-r-njw* 'prisoners of war'. ⁶ *Sin. R* 14. 15. ⁷ In O.K. regularly written without *r*, exx. *Tf* 60; CAPART, *Rue* 33; *Pyr.* 1138. 1431.

- 8 \rightarrow irrigation runnels as in Ideo. or det. in $\square^{\square-1}$ var. $\square^{\square-2}$ *d^{stt}* 'estate' in the title
 ■ N 24? $\square^{\square-1}\square^{\square-2}$ 'steward of the estate'; the meaning of *d^{stt}*

Ideo. or det. in 𓏏-¹ var. 𓏏-² *dstt* 'estate' in the title
 𓏏-³ 'steward of the estate'; the meaning of *dstt*
 and the interpretation of - here depend on the not
 improbable identification of this title with 𓏏-³
 (var. 𓏏)⁴ in another tomb of Dyn. XII; the word 𓏏⁵
 var. 𓏏⁶ 'estate' would in this case read *dstt*. Hence
 phon.det. in Dyn. XVIII 𓏏-⁷ var. O.K. 𓏏-⁸
dsdst 'magistrates', 'assessors'. For an unknown reason,

Aa 8 → (continued)

phon. *kn*,⁹ exx. ¹⁰ *kn* 'complete', 'be complete'; ¹¹ *kn* 'mat'. In hieratic → stands not only for itself but also for certain other signs, whence confusions have resulted both in modern transcriptions and in actual hieroglyphic texts. Thus → is found (1) for N 24 in hierogl. ¹³ *spst* 'district'; (2) for ← V 26 in hieratic ¹⁴ var. ¹⁵ *rd* 'desert edge' which hierogl. varr. show should be equated with ¹⁶ and ¹⁷ respectively. Possibly through some confusion with ← O 34 ¹⁸ is found in Dyn. XVIII hieroglyphic for ¹⁹ *smt* 'desert', 'necropolis', as a mediating var. ¹⁹ proves; for this reason the name of king ²⁰ var. ²¹ var. Dyn. I ²² is possibly to be read *Zmty* rather than *H3sty*,²³ the writing on the Table of Abydos and the *Oυσαφαις* of Manetho being probably due to mistaken interpretation of the hieratic.

¹ BH. i. 30, 35. ² BH. i. 29. ³ Bersh. i. 18. See GRIFFITH, *Kahun Papyri*, p. 31. ⁴ Bersh. i. 27. ⁵ Peas. B 1, 24; P. Kah. II, 21; 15, 63. ⁶ Peas. R 66. ⁷ Rekh. 3, 18. ⁸ Ti 121. ⁹ Reading from Boh. *kēn* 'finish', 'cease' = Eg. *kn* 'complete', see next note; also from varr. of a very late word *kn* 'throne', compare CHASSINAT, *Mammisi* 76 with ROCHEMONTEIX, *Edfou* i. 375. ¹⁰ Pt. 269. Common in L.E., see BRUGSCH, *Wörterbuch*, Suppl. 1251. ¹¹ Adm. 10, 5. Sim. Rekh. 2, 1. ¹² Not in MÖLL. *Pal.* i. ii; perhaps only found Peas. R 66, see above n. 6. ¹³ Urk. iv. 484, 2. The reading of 1 is more doubtful. ¹⁴ Sin. B 9. ¹⁵ Sin. R 34. ¹⁶ Cf. Louvre C 1, vert. 7. ¹⁷ Cf. Hamm. 48, 9. ¹⁸ Especially in the title of Hathor, *hrt-tjw smt* 'chief over the desert', ex. Cairo 588 compared with ib. 593; see too Urk. iv. 1003, 5. ¹⁹ Rec. 28, 169. ²⁰ Eb. 103, 2. ²¹ BUDGE p. 145; cf. the dual *smt* 'the two deserts', Urk. iv. 383, 15. ²² Unt. iii. 24; GAUTHIER, *Livre des Rois*, i. 6. ²³ Sethe and Gunn, however, preferred *H3sty*, see Ann. 28, 155.

9 ←¹ doubtful

Det. in ¹ *bwd* 'rich'.

¹ Exx. D. el B 110; Rifeh 7, 22. Černý conjectures that this may be an abbreviated form of the O.K. sign for *bwd*, 'portable chair', Wb. iii. 250, 3.

10 ←¹ doubtful

Det. in ¹ *drf* 'writing'.

¹ Exx. BH. i. 7. Rather different forms, Siut 1, 263; Urk. iv. 776, 10.

11 ←¹ doubtful¹ (sometimes vertically || or ||)

For an unknown reason, phon. *msr* in var. ² *msr* 'truth' and the related words. Note specially often the writing ³ *msr-hrw* 'true of voice' (§ 55). As a pedestal det. in ⁴ *tntt* 'raised platform', a unique writing (?).

¹ Neither the form nor the value suits the identification with the flute (*msr*) sometimes upheld. According to Kristensen (*Het leven uit den dood* 71) and others (*Griff. Stud.* 45; *Kemi* i. 127) a platform or pedestal. ² Urk. iv. 200, 9.

12 ←¹ O.K. form of last

Use as last.

¹ Leyd. *Denkm.* i. 5. Also in Dyn. XII, Leyd. V 6 = *Denkm.* ii. 3. Often tapers from right to left, ex. DAV. *Plah.* i. 17, no. 393.

For see U 4. 5.

- Aa 13** \sqsubset^1 hardly the two ribs of Ideo. or det. in O.K. \sqsubset *im*, plur. $\sqsubset\sqsubset$ *imw*, a part of the an oryx as has been suggested² body.³ Hence (?) phon. *im*, exx. $\sqsubset\sqsubset\sqsubset$ *imi* 'give', imper. (§ 336); $\sqsubset\sqsubset\sqsubset\sqsubset$ *imw* 'boat'; also, from Dyn. XVIII on, phon. *m*.⁴ Ideo. also in $=$ var. $=gs$, varr. Pyr. $\sqsubset\sqsubset$,⁴ $\sqsubset\sqsubset\sqsubset$ *gs*, 'side', 'half'. Hence phon. *gs*, exx. $\sqsubset\sqsubset\sqsubset\sqsubset$ *gs* var. $\sqsubset\sqsubset\sqsubset\sqsubset$ *gs* 'anoint'; $\sqsubset\sqsubset\sqsubset\sqsubset$ *gs* var. $\sqsubset\sqsubset\sqsubset\sqsubset$ *gsti* 'palette'.
- ¹ Exx. Dyn. XII, *Meir* iii. 23 (*im*); Dyn. XVII, *Kopt.* 8, 5 (*im*); Dyn. XVIII, *Rekh.* 3, 29 (*gs*); *D. el B.* 116 (*im*); there is no difference between *im* and *gs*. ² AZ. 64, 10. ³ AZ. 35, 170. ⁴ Pyr. 925. ⁵ Pyr. 1092. ⁶ Hearst 10, 16. ⁷ Sin. B 293. ⁸ Peas. B 1, 305. ⁹ MASPERO, *Trois Années de Fouilles*, Pl. 2; see *Sphinx* 12, 117.
- 14** \sqsubset^1 O.K. form of last Use as last.
- ¹ Exx. DAV. *Ptah.* i. 17, nos. 380-2 (*im*).
- 15** \sqsubset^1 alternative form of $=$ Use as last.
- Aa 13** (Dyn. XVIII) ¹ Exx. *Paheri* 3; *Amarn.* i. 26 (prep. *m*). This straight form is usual from late Dyn. XVIII on.
- 16** \sqsubset short form of $=$ Aa 13 Used only in $=^1$ var. $=^2$ *gs* 'side', 'half' and as phon. *gs*.
- ¹ Exx. *Urk.* iv. 429, 12; 630, 17. ² *Urk.* iv. 367, 9; *D. el B.* 113.
- 17** \swarrow^1 back of something² (O.K. and M.K. form) Ideo. in $\swarrow ss$ (*ss*) 'back', Coptic *soi*. Hence phon. *ss* (*ss*),³ exx. $\swarrow\swarrow\swarrow\swarrow$ *sswt* 'walls'; $\swarrow\swarrow\swarrow\swarrow ss$ 'be satiated'; $\swarrow\swarrow\swarrow\swarrow ss$ 'be skilled'.
- ¹ O.K. forms, *Saqq. Mast.* i. 2; *Sah.* 1; MONTET 225; Dyn. XI-XII, Brit. Mus. 614, 9; Leyd. V 4, 5; *Sebekkhu* 4. See also on Aa 18; there is great variety in detail. ² Inferred from the use of \sqsubset in *ss* 'back', AZ. 45, 45; full discussion, MONTET 225-6; Grdseloff adheres to Borchardt's explanation as a razor, *Ann.* 43, 310. ³ For *ss* see Pyr. 959 (*ss*). ⁴ *Siat* 1, 235.
- 18** \square^1 Dyn. XII-XVIII form of last Use as last. In group-writing (§ 60) \square or \square is used for *s*.⁵
- ¹ Exx. Dyn. XII, *Bersh.* i. 18; Berl. *AI.* i. p. 258, 12; Dyn. XVIII, *Rekh.* 2, 2; *Paheri* 9, 48. This exact form as cover of a quiver, *Medinet Habu* (Chicago) I, 25, B, but this explanation is hard to apply to the earlier counterpart. ² BURCHARDT § 105.
- 19** \cap^1 doubtful (different from \sqcap V 19) For unknown reason, phon. det. *hr*, exx. $\cap\cap\cap^1$ *hr* 'prepare'; $\cap\cap\cap\cap$ *hryt* 'dread'. Also det. in $\cap\cap\cap\cap$ *tir* 'preserve (?)' and derivatives.²
- ¹ *D. el B.* 69. ² *Wb.* v. 355; *Adm.* p. 89; AZ. 68, 21.
- 20** \times^1 doubtful² For unknown reason, phon. *cpr* in $\times\cap$ var. $\times\cap\cap$ *cpr* 'equip' and derivatives.
- ¹ O.K. forms, *Sah.* 52 (elaborate as in Dyn. III, see WEILL, *IIe. et IIIe. Dynasties*, Pl. 4); *Ti* 25; Dyn. XVIII, *D. el B.* 91; *Puy.* 12. ² Clearly not identical with the counterpoise *mcnbt*, for which see JÉQ. 65-6. ³ Pyr. 1465; Louvre C 14, 7.
- 21** \sqcap^1 a carpenter's tool? Ideo. (?) or det. in $\sqcap\sqcap$ varr. $\sqcap\sqcap\sqcap$, $\sqcap\sqcap\sqcap\sqcap$, O.K. $\sqcap\sqcap\sqcap$ *wd* 'sever', 'judge'. In M.K. coffins \sqcap or $\sqcap\sqcap$ is sometimes used as a substitute for the god \sqcap *Sth* 'Seth'.⁴
- ¹ Exx. O.K., DAV. *Ptah.* i. 17, no. 387; *Ti* 132; Dyn. XVIII, *Rekh.* 10, 14. The lower part looks like a mitre square; see DAV. *Rekh.* ii. 55 for an object of this shape in a scene of carpentering. ² *Urk.* iv. 1079, 2. ³ *Ti* 132. ⁴ Exx. *Ann.* 5, 231. 232. 245.

Aa 22 combination of **Aa 21** Use as last.
and **D 36**

For **Aa 23** and **Aa 24** see after

25 ¹ doubtful ²

Ideo. (?) in ² var. ^{2a} *smt*, var. O.K. ³ *s(m;?)*,⁴ title of a priest whose function consisted in clothing the god (Min, Horus, etc.), cf. Gk. *στολιστής*.

¹ Ex. *Sah.* 32. ² According to Grdseloff (*Ann.* 43, 357) a phallus sheath conventionalized; but the connexion with the word *smt* (*Urk.* iv. 2, 16) is very far from certain. ^{2a} *Ikhern.* 16. Sim. *Siat* i, 268. ³ Cairo 20538, ii. c 6, confirmed by the writing *smt-tj* of the later form of the word *smtty*, *GARDINER, Late-Eg. Miscellanies* 112, 16. ⁴ *Annals of Archaeology* (Liverpool), iv. 103. ⁴ On account of *s* apparently not derived from the stem *smt* 'unite'.

26 ¹ doubtful

Phon. det. *sbt* (*sbt*) in ² *sbt* (*sbt*) 'rebel'. Often replaced by

¹ *D. el B.* 115. Sim. *Pyr.* 81, 1722. ² *D. el B.* 115. Sim. *MAR. Abyd.* ii. 29, 18.

27 ¹ doubtful ²

For an unknown reason, phon. *nd*, exx. varr. ³ ⁴ *nd* 'ask', 'inquire'; var. ⁵ *ndnd* 'take counsel'. Except in *ind hr* 'hail to' (§ 272)  is usually accompanied in M.E. by

¹ Exx. O.K., *Medium* 11; DAV. *Ptah.* i. 17, no. 376; Dyn. XII, *Th. T. S.* ii. 14; Dyn. XVIII, *Rekh.* 2, 5. ² The view that the sign depicts a winder for thread (*Hier.* p. 61) is not supported by the earlier forms. It has also been thought to represent a porridge-stirrer, *Man* 1909, no. 96. ³ *Sin. B* 166. ⁴ *Rekh.* 2, 5. ⁵ *Sin. B* 113.

28 an instrument used by
bricklayers? ¹ (dif-
ferent from and

Ideo. (?) in var. ² *kd* 'build', 'fashion (pots)' and related words.

¹ This view is favoured by the fact that the sign sometimes stands alone in the sense of 'builder', ex. *Sah.* 54. Other suggestions are a plasterer's float (*Hier.* p. 49) and a striker used in measuring corn (QUIB. *Saqq.* 1911-12, Pl. 17 and p. 26). ² *Siat* i. 236. Sim. *Dend.* 11.

29 ¹ O.K. form of last

Use as last.

¹ *Sah.* 54. Sim. DAV. *Ptah.* i. 13, no. 271.

30 ¹ ornamental *chevaux de
frise* on tops of walls,
cf. ² (sometimes
written horizontally
 ³)

Ideo. or det. in ⁴ *hkr* 'be adorned'; ⁵ *hkwr* 'ornament', 'adornment' and the related words.

¹ Ex. *Th. T. S.* iii. 12. ² See the picture BISSING, *Re-Heiligtum* ii. 9; in Dyn. I, PETR. *RT.* ii. 3, 4; 7, 8. Later shown as frieze in tombs. Discussions, *Ancient Egypt* 1920, 111; *Deutsche Literatur Zeitung* 1926, 1879; SCHÄFFER 22. However, the O.K. form of the hieroglyph (see Aa 31) is quite different. ³ Ex. *D. el B.* 60, 6. ⁴ Bersh. i. 14, 9. Sim. *D. el B.* 60, 6. ⁵ *Urk.* iv. 657, 6.

31 ¹ O.K. form of last

Use as last.

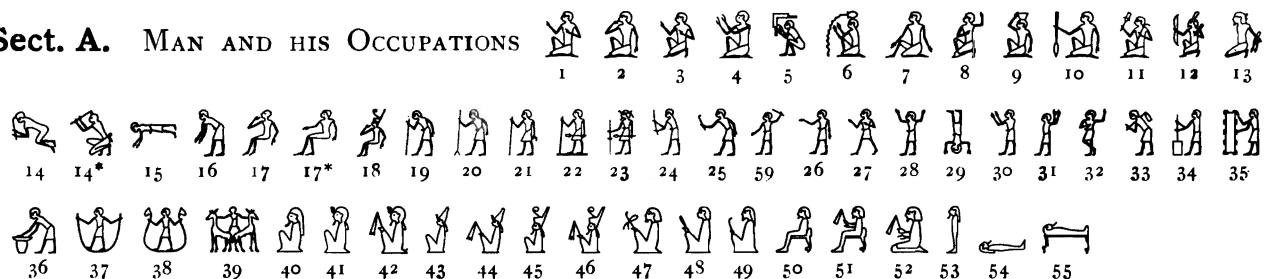
¹ DAV. *Ptah.* i. 17, no. 392. See *ÄZ.* 34, 162.

For **Aa 32** see after

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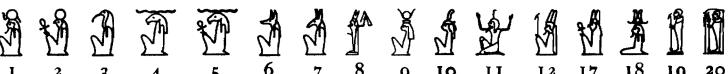
Sect. A. MAN AND HIS OCCUPATIONS



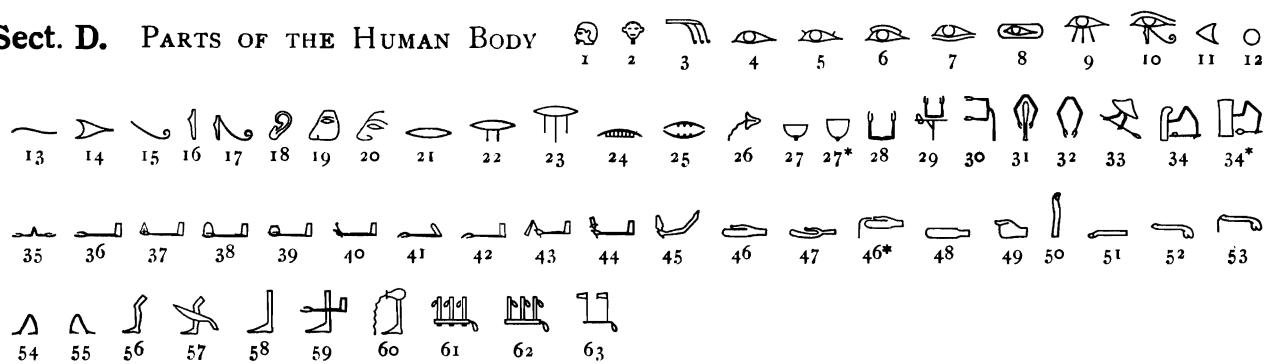
Sect. B. WOMAN AND HER OCCUPATIONS



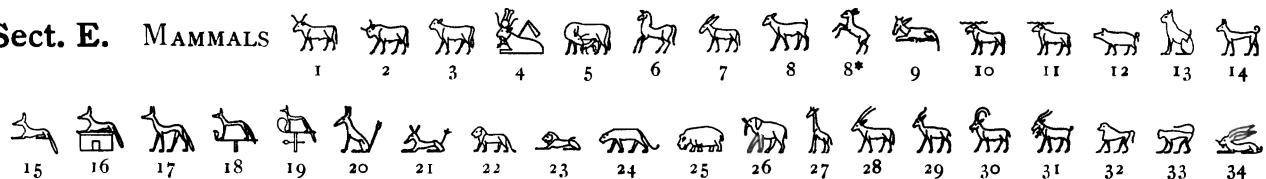
Sect. C. ANTHROPOMORPHIC DEITIES



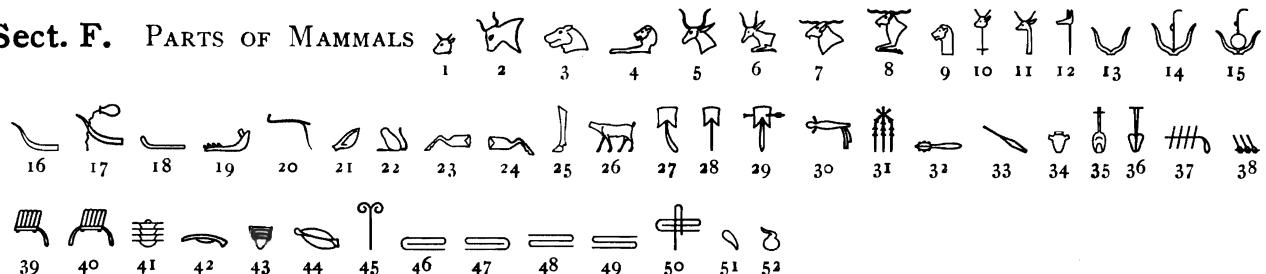
Sect. D. PARTS OF THE HUMAN BODY



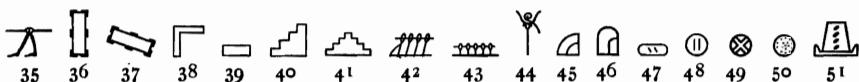
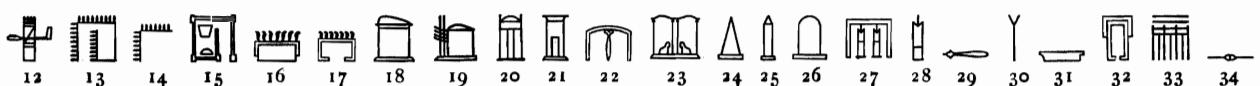
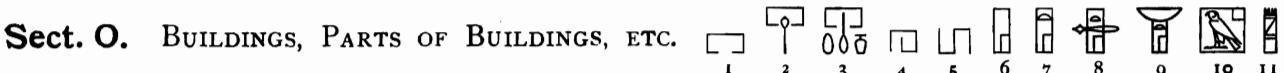
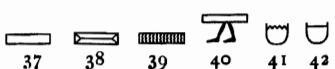
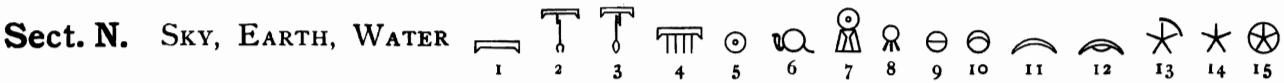
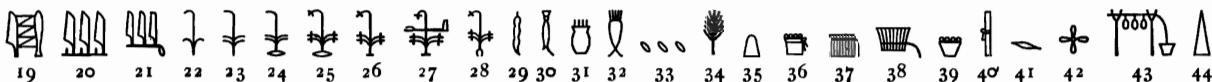
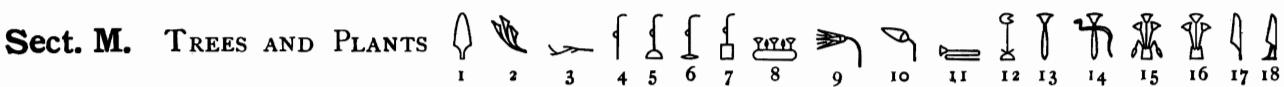
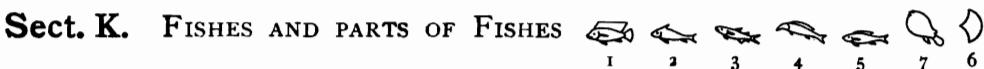
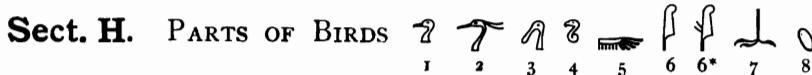
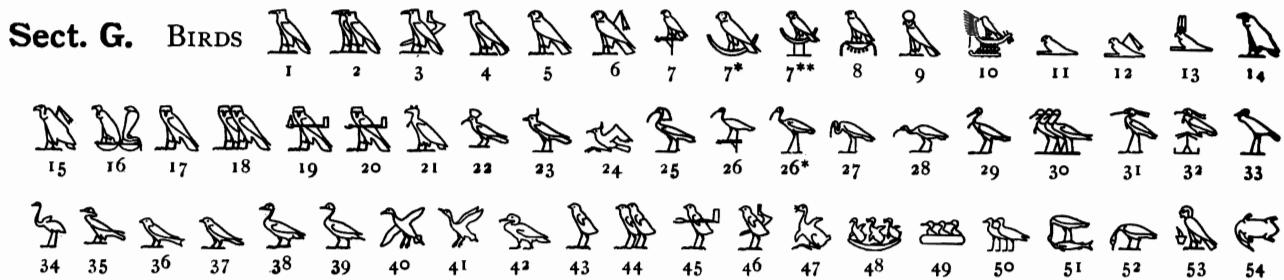
Sect. E. MAMMALS



Sect. F. PARTS OF MAMMALS

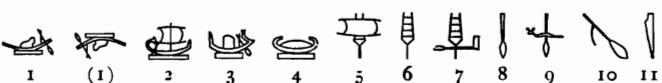


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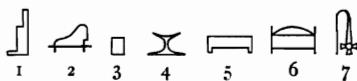


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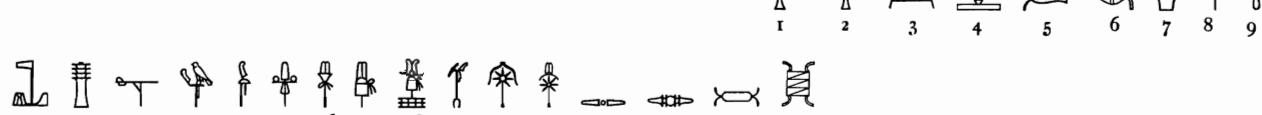
Sect P. SHIPS AND PARTS OF SHIPS



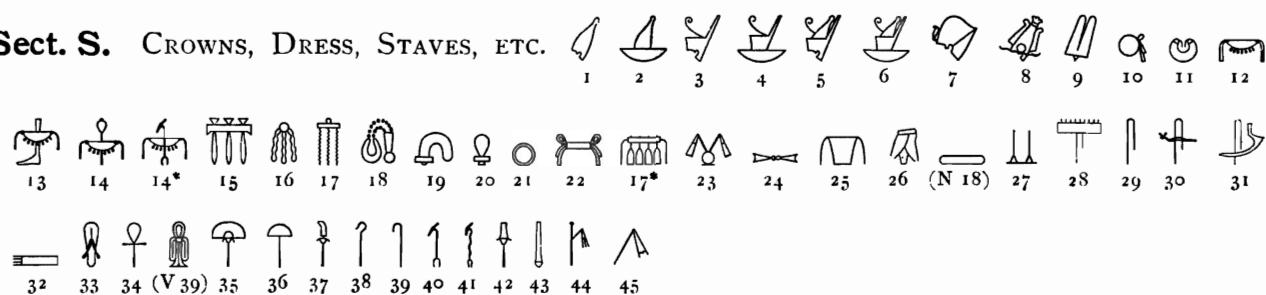
Sect. Q. DOMESTIC AND FUNERARY FURNITURE



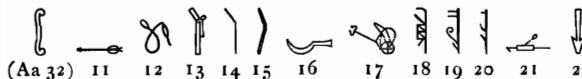
Sect. R. TEMPLE FURNITURE AND SACRED EMBLEMS



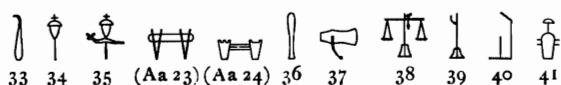
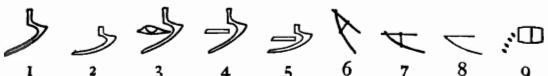
Sect. S. CROWNS, DRESS, STAVES, ETC.



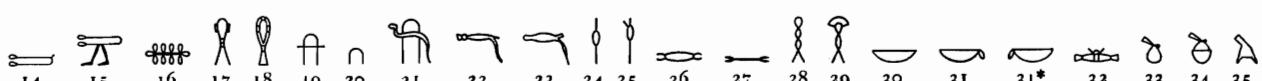
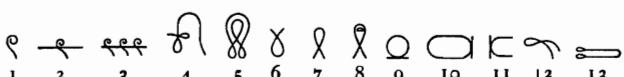
Sect. T. WARFARE, HUNTING, BUTCHERY



Sect. U. AGRICULTURE, CRAFTS, AND PROFESSIONS



Sect. V. ROPE, FIBRE, BASKETS, BAGS, ETC.



INDEX TO THE FOREGOING SIGN-LIST

Sect. W. VESSELS OF STONE AND EARTHENWARE



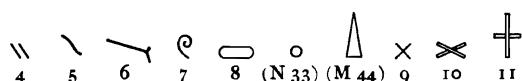
Sect. X. LOAVES AND CAKES



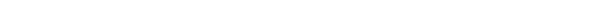
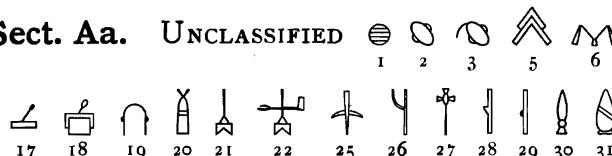
Sect. Y. WRITINGS, GAMES, MUSIC



Sect. Z. STROKES, SIGNS DERIVED FROM HIERATIC, GEOMETRICAL FIGURES



Sect. Aa. UNCLASSIFIED

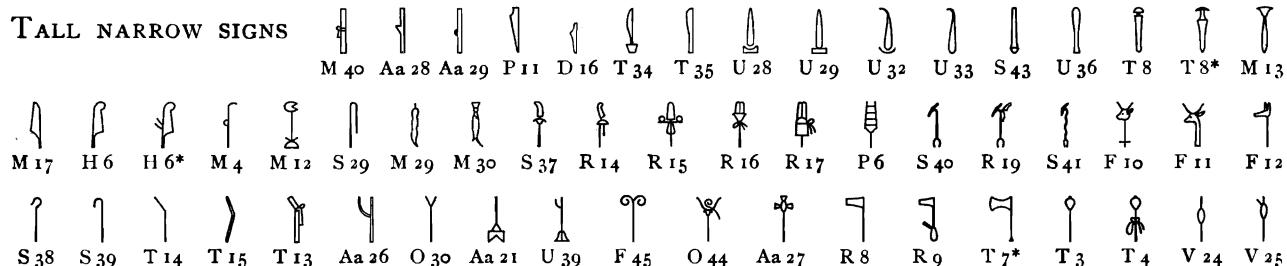


For reasons explained p. 442, top, the following signs have been removed from the place to which they were originally assigned and now stand at some distance from the positions indicated by the attached letter and number: A 59 , see after A 25; S 17* , see after S 22; V 39 , see after S 34; Aa 4 , see after W 10*; Aa 23 , Aa 24 , see after U 35; Aa 32 , see after T 10. A few hieroglyphs are treated in more than one place: M 44 also before Z 9; N 18 also after S 26 and X 4; N 33 (smaller than o D 12) also after Z 8; O 30 also reversed after U 12. Minor divergences of position like A 46* after A 47, instead of after A 46, need no further notice than is given to them in the Index above.

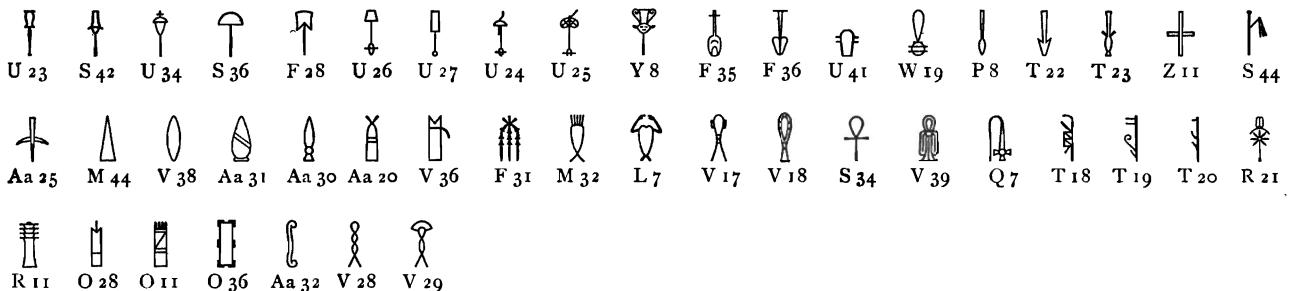
A SELECTION OF SIGNS GROUPED ACCORDING TO SHAPE

This list aims at facilitating the finding of particular signs in the Sign-list or the Index thereto. Hieroglyphs the subject of which is immediately recognizable, e.g. animals, boats, most buildings and some pots, have been excluded.

TALL NARROW SIGNS



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LOW BROAD SIGNS



LOW NARROW SIGNS

