

EGYPTIAN GRAMMAR

BEING AN INTRODUCTION TO
THE STUDY OF HIEROGLYPHS

BY SIR ALAN GARDINER

THIRD EDITION, REVISED

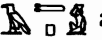
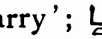
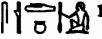
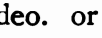
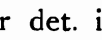
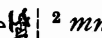
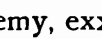
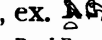
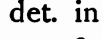
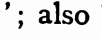
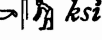
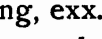
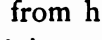
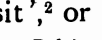
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The letter and number prefixed to the individual hieroglyphs in the following list are those assigned to them in the *Catalogue* (Oxford, 1928) of the new fount of type made for the express purpose of this Grammar. Sometimes, however, the designation will seem to be out of its rightful place, exx. A 59 between A 25, 26, Aa 23, 24 between U 35, 36. This is due either to the sign having been added after the publication of the *Catalogue* or to our desire to present it in a more appropriate position than in the first edition.

Sect. A. Man and his Occupations

- 1  seated man Ideo. in  s (*si*)⁰ 'man'. Ideo. or det. 'I', 'me' in  *i*,  *wi*,  *ink*,  *kwī*. Det. man's relationships or occupations, exx.  *si* 'son';  *smr* 'courtier';  *hwrw* 'wretch';  *irr* 'doer'; also personal names, ex.  *nḥw* 'Ankhu'. In personal names,  is abbrev. for  *rhw* 'men',¹ ex.  *Rḥw-cnh* 'Reḥu'onkh'.
- ⁰ Very rarely written as *st*, exx. *Urk.* v. 179; *Mett.* 18. ¹ *Rec.* 9, 57, n. 2.
-  seated man and woman with plural strokes Det. people and their occupations, exx.  *rmṯ* '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.  *sdd* 'relate';  *gr* 'be silent'; think, ex.  *kn* 'devise'; feel, ex.  *mri* 'love'.
- ¹ Old uses, *AZ.* 57, 73.
- 3  ¹ man sitting on heel Det. in  *ḥmsi* 'sit'. Replaced in hieratic by  A 17 or  A 17* or even by  B 4.
- ¹ Ex. *Rekh.* 4, 1.
- 4  man with arms raised (cf.  A 30) Det. supplicate, ex.  *dwt* 'adore'; hide, exx.  *sdg*¹ 'be hidden';  *imn*² 'hide'.
- ¹ *Urk.* iv. 385, 13. ² *Leyd.* V 4, 2.
- 5  ¹ man hiding behind wall (Dyn. XVIII) Det. hide, ex.  *imn* 'hide'.
- ¹ *Urk.* iv. 84, 15. Very rare before Dyn. XIX.
- 6  ¹ man receiving purification (in M.E. usually replaced by  D 60) Ideo. in  var. Pyr.  *wrb*² 'pure', 'clean'.
- ¹ Ex. *D. el B.* 56. ² *Pyr.* 1171.
- 7  ¹ man sinking to ground from fatigue Det. weary, weak, exx.  *wrd*² 'tire';  *bdš*³ 'faint';  *gnn*⁴ 'be soft'.
- ¹ Ex. *D. el B.* 110. ² *Brit. Mus.* 101. ³ *BUDGE*, p. 372, 14.
⁴ Cf. *Urk.* iv. 943, 4.

- A 8  ¹ man performing the *hnw*-rite
Det. in  *hnw* 'jubilation'.
¹ Ex. D. el B. 89.
- 9  man steadying basket
□ W 10 on head
Det. in  abbrev.  ¹ *ltp* 'load';  abbrev.  ² *fti* 'carry';  abbrev.  ³ *ket* 'work'.
¹ Sin. B 244; Peas. 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 sceptre † S 42 and crook † S 39 (O.K.)
O.K. ide. or det. in  var.  ² *hnm* 'friend'.
Later replaced by  A 21.
¹ Dav. Plak. i. 4, no. 8. ² Saqq. Mast. i. 23.
- 12  soldier with bow and quiver
Ideo. or det. in  var.  ¹ *mšr* 'army'. Det. in  ² *mnfy* '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-tnhw*).
- 14  man with blood streaming from his head
Det. die, ex.  *mwt* 'die'; enemy, ex.  *hfty* 'enemy'.
¹ Ex. D. el 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 *hr* 'fall' and derivatives.
Abbrev.  ² for  *hrw* '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. el 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. *nri* in  ² *Nri-nsw* 'Heracleopolis'.
¹ Especially in the title *hrd n kip* 'child of the harim', written phonetically Thebes, tomb 241, JEA. 16, Pl. 17, O.Q. ² From *nm(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.  *hmsi* '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.

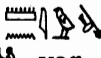
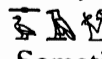
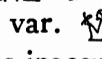
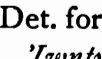
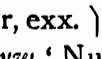
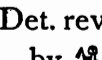
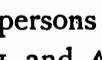
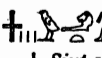
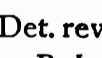
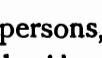
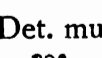
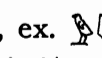
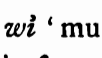
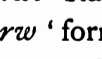
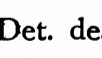
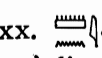
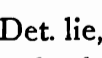
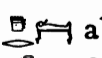
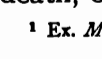
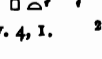
- A 19**  bent man leaning on stick (clearly distinguishable from  A 21 in hieratic,¹ not always so in hieroglyphic)²
- Ideo. or det. old, in  var.  *irw* 'old';  var.  *smsw* (*šmsw*) 'eldest'; great, in  var.  *wr* 'great one', 'chief'. Det. old, also in  *tnt* 'old'; lean, exx.  *rhn* 'lean';  *tw* 'support oneself'. Phon. or phon. det. *ik* (from a rare *ik* 'be aged'³) in  var.  *iky* 'miner', 'hewer of stone'. In M.K. hieratic  is written for *hwi*, *hii* 'strike'.⁶
- ¹ MöLL. *Pal.* i. nos. 13-14; *ÄZ.* 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 19²
- Ideo. or det. in  much rarer var.  *smsw* (*šmsw*) 'eldest', especially in  *šf smsw* 'his eldest son', cf. Pyr.  *šrk šmsw*, and in the title  var.  *smsw hyt* 'elder of the portal'.
- ¹ O.K., Leyd. *Denkm.* i. 6 in *šmsw h(y)t*. ² A sign like A 19 is used for *smsw* in hieratic. ³ *Pyr.* 608. ⁴ *ÄZ.* 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* (*šr*) 'official', 'noble'. Det. magnate, exx.  *šnyt* 'courtiers';  *smr* 'courtier', 'friend' (of the king). Also det. in  *hnm* 'friend', here replacing an older sign  A 11; in  *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; *ÄZ.* 49, 122. ² Cairo 20245, 1; 20426, k. ³ *Puy.* 20.
- 22**  ¹ statue of man with stick and *ḥs*-sceptre  S 42
- Det. in  *hnt(y)* 'statue' and in  *tw* 'statue'. The form of the sign varies according to the nature of the statue to be depicted.²
- ¹ Ex. *Sint* i. 308 (*hnty*). ² Exx. king, *Urk.* iv. 279, 7 (*hnty*); 753, 3 (*tw*).
- 23**  ¹ king with stick and club  T 3
- Det. in  *ity* 'sovereign'.
- ¹ Thebes, tomb 55.
- 24**  man striking with stick
- Det. in  *hwi*, *hii* 'strike'. Hence det. force, effort, exx.  abbrev.  *nht* 'strong';  *nhm* 'take away';  *hcd* 'plunder';  *sb* '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 back¹
- Rare ideo. used in  *hwi*, *hii* '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  A 19.³
- ¹ MöLL. *Pal.* i. no. 16 (Hyksos period). ² Frequent in the Coffin Texts; see also a hieroglyphic equivalent *Dend.* II A. ³ *AZ.* 44, 126; 56, 39.
- 59**  man threatening with stick
- Det. 'drive away' in  *shr* 'drive away'.¹
- ¹ *Urk.* iv. 618, 7.
- 26**  man with one arm raised in invocation
- Det. call, exx.  *nis* 'call', 'summon';  *dwi* 'call'. Abbrev. *cs* in  *sdm-cs* 'servant', lit. 'one who hears the call'. Det. in the vocative interjection  *i* 'O' (§ 258).
- ¹ *Ex. Rek.* 12. ² *Urk.* iv. 874, 6. ³ *Th. T. S.* iii. 5; reading, *ib.* lowest register.
- 27**  man hastening with one arm raised
- Cf. Pyr.  *inw* 'messengers'. Hence phon. *in* in  *in* 'by' (§ 168).
- ¹ *Ex. Rek.* 12. ² *Pyr.* 1675, the body probably omitted for superstitious reasons.
- 28**  man with both arms raised
- Det. high, in  varr.  *ks(i)* 'be high'. Det. joy, exx.  *hzi* 'rejoice';  *sws* 'extol'; mourn, in  *hzi* 'mourn'; also, for unknown reasons, in  *iss* 'bald'.
- ¹ *D. el B.* 82. ² *JEA.* 41, 10–1. ³ *Eb.* 66, 9; cf. too *ist*, *Wb.* i. 20, 15.
- 29**  man upside-down
- Det. in  *shd* 'be upside down'.
- ¹ *Ex. Amuda* 17.
- 30**  man with arms outstretched (cf.  A 4)
- Det. praise, exx.  var.  *irw* 'praise';  *dws* 'adore';  *sws* 'extol'; supplicate, ex.  *tw* 'claim'; awe, in  *tr* 'show respect for'.
- ¹ *Urk.* iv. 141, 4. ² *Pt.* 319. ³ *Sim.* R 35.
- 31**  man with his arms stretched out behind him
- Det. turn away, ex.  *enw* 'averted' (face).
- ¹ MöLL. *Pal.* ii. no. 5 (Dyn. XVIII.) ² *R. IH.* 240, 39 (Dyn. XIX).
- 32**  man dancing
- Det. dance, ex.  *hbi* 'dance'; joy, ex.  *hny* 'jubilate'.
- ¹ MöLL. *Pal.* ii. no. 6. ² *Urk.* iv. 386, 6. *Sim.* Dyn. XII, *Bersh.* ii. 21, 14. ³ *Urk.* iv. 141, 1.
- 33**  man with stick and bundle or mat on shoulder
- Ideo. in  var.  *m(i)niw* 'herdsman'.³ Det. wander, exx.  *rwi* 'wander';  *sm(i)w* 'wanderers', 'strangers'.
- ¹ *Puy.* 50. ² Berl. *AI.* ii. p. 166. ³ *AZ.* 42, 119. ⁴ *Puy.* 50; *D. el B.* 113. ⁵ *Urk.* iv. 390, 8.

Sign-list

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- A 34  man pounding in a mortar¹ Det. in  *ḥwst* 'pound', 'build'.
¹ See the picture *Rekh.* 12. In the accompanying text *ḥwst* is infinitive, hence the verb is *gae inf.*
- 35  man building a wall Ideo. or det. in  var. ¹ *ḥd* 'build'.
¹ *Urk.* iv. 765, 12; cf. 767, 11.
- 36 ¹ man kneading and straining into a vessel² Ideo. or det. in ³ var. ⁴ *ḥty* '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 ¹ varr. ² *ḥt*³ *ḥt*, var. Dyn. XVIII ⁴ *ḥsy*, 'Cusae', the modern town of El-Ḳûṣiyah 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';  *ḥm* 'Majesty';  *nḥ* '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 (*hty*).
- 43  king wearing crown of Upper Egypt  S 1 Ideo. or det. in  var.  *nsw* (*nzw*, *nḥ-šwt*)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.  *ḥity* '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  ⁵ *iry* 'relating to' (§ 79).
¹ MONTET 99. ² Pyr. 1348. ³ Reading, *AZ.* 42, 116. ⁴ Reading with 2, 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. *Plak.* i. p. 15. Good detailed exx. of the sign are not forthcoming. It may depict the 'door-keeper' (*try* *rrt*) of some mythical place.
- 49**  Syrian seated holding stick
 Det. foreigner, exx.  ¹ *smw* 'Asiatics';  *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  ² *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
 A S 45
 Ideo. in  var.  ¹ *špsi* (*špsi*) 'be noble' and related words. After M.K., often det. revered persons, ex.  ² *imyw-ht* 'those of former times'.
¹ *Siut* 1, 231. *Sim.* Pyr. 931. ² *Urk.* iv. 59, 3. *Sim.* *ib.* 59, 4 (*imšyw*); 76, 10 (*špyw-ṛ*); 86, 3 (*štyw*).
- 52**  noble squatting with flagellum
 A S 45 (common in Dyn. XVIII)
 Det. revered persons, especially personal names, ex.  ¹ *Pt-hry* 'Paḥeri', a man's name;  ² *srh* '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.  var.  ² *twi* 'statue'; form, shape, exx.  *ki* 'form';  *ḥprw* 'forms', 'stages of growth'.
¹ Louvre C 15, 8; *Sim.* B 193. ² *Urk.* iv. 842, 13.
- 54**  recumbent mummy
 Det. dead, exx.  ¹ *m(i)ni* 'death';  ² *nb-ṛnh* '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 *ḥpt* 'decease';  ⁴ *ḥt* '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.  *st* 'daughter';  *hrt* 'widow'; her occupations, exx.  *hmt* 'female slave';  *smcrt* 'chantress'; her name, ex.  *Nfret* 'Nofret'. As suffix 1st pers. sing. 'I', 'my' (fem.)  *i* has not been noted before Dyn. XIX.¹
¹ Exx. MAR. *Abyd.* i. 25.
- 2**  pregnant woman Det. pregnant, exx.  ¹ *iwr* 'conceive';  ² *bkr* 'be pregnant'.
¹ *D. el B.* 49. ² *Urk.* iv. 268, 7.
- 3**  woman giving birth Ideo. or det. in  ¹ 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. *Äl.* i. p. 258, 18. 20. ² Old exx. show the two signs almost or quite separate from one another, but with the phon. sign *msf* 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  *mnt* '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 *Rr* '(the sun-god) Rē'.
¹ *D. el B.* 110.
- 2**  god with head of falcon bearing sun on head Ideo. or det. in  ¹ var.  ¹ *Rr* '(the sun-god) Rē'.
 G 9 and holding  S 34
¹ *Urk.* iv. 14, 13.
- 3**  god with head of ibis Ideo. or det. in  ¹ var.  ¹ *Dhwt* ² 'Thoth'.
 G 26
¹ *Bersh.* i. 15. ² Reading, see on G 26.
- 4**  god with head of ram Ideo. or det. in  ¹ var.  ¹ *Hnmw* 'Chnum'.
 E 10
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.  'Inpw 'Anubis'; also in  ¹ Wp-wrw 'Wepwawet'.
E 15 ¹ Urk. iv. 99, 10.
- 7**  god with head of Seth-animal  E 20 Ideo. in  ¹ St^h (¹ St^s) 'Seth'.
¹ Reading, see on E 20.
- 8**  ithyphallic god with feathers, uplifted arm, and flagellum  S 45 Ideo. or det. in  ¹ var.  ² Mnw 'Min'.
¹ Urk. iv. 1031, 4. ² Reading, see on R 22.
- 9**  goddess with sun and horns Ideo. or det. in  ¹ var.  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.  Mrt 'Mā'et', the goddess of Truth.
- 11**  god with arms supporting (the sky) and { M 4 on head (often also without {) Ideo. in  var. Pyr.  ¹ Hh ' (one of the gods) Heh'.² Hence phon. hh in  hh 'million', 'many' (§ 259).
¹ Pyr. 1390. ² The eight Heh-gods were those who held the sky aloft, see KEES, *Götterglaube*, p. 312 and the picture *JEA.* 28, Pl. 4. The sign for 'year' (M 4) was added doubtless on account of the common expression hh m (or n) rnpwt '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  tp¹ 'head' and  tpy 'chief', 'first'. Det. head, exx.  dsd^s 'head';  h^s 'back of head', whence prep.  h^s 'behind' (§ 172) and  mkh^s 'neglect';  dhnt 'forehead', whence  dhn 'promote', etc.; perhaps with notion throttle, in  gwrw^s 'fetter', 'bind fast'. Possibly  possessed the value dsd^s 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.

D 1 (continued)

personal name  .³ Of the two words for 'head' *djḏ* alone has survived in Coptic (*djō*, construct *djē-*), 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. 30.2 face

Ideo. in  *hr*¹ 'face' and derivatives. Hence phon. *hr*, exx.

  *hr* 'prepare';   *dhr* 'bitter', 'sour'.

¹ Reading from Coptic *ho* 'face', derivatives like *hrai* 'upper part', and phonetic use.3 hair

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

¹ *Eb.* 18, 1; 90, 3; PIEHL, *IH.* iii. 74; reading from *BH.* i. 26, 162. See too *Sitz. Berl. Ak.* 1912, 912.4 eye

Ideo. in  *irt* 'eye', Gk. *īpi*.¹ Hence phon. *ir*, exx.  *iri* 'make';  *irtt* 'milk'. Det. see, in  varr.                        

- D 7  eye with painted lower lid
 Det. adorn, exx.  ¹ *msdmt* 'eye-paint';  ² *ʿn* (*ʿin*) ³ 'beautiful'. From the latter, phon. det. *ʿn*, ex.  ⁴ *ʿnw* (*ʿinw*) ⁵ 'Ainu', a place-name, see B 8. The use as det. see etc., ex.  ⁶ *ptr* 'behold', is abnormal.
¹ *BH.* i. 38. ² *Amarn.* iii. 19. *Sim. Urk.* iv. 6, 11, qu. Exerc. XXXII, (a).
³ For *ʿin* as the full reading cf. Semitic *ʿain* 'eye' and Eg. words qu. below, D 8, n. 1. ⁴ *BH.* i. 26, 175. ⁵ *Siut* i. 220.
- 8  eye enclosed in sign for land  N 18
 Det. in  *ʿnw*, (*ʿi*)*nw* 'Ainu', the quarry at the modern Turah whence  *inr ḥd nfr n ʿnw* 'fine white (lime)stone of 'Ainu' was obtained.¹ Hence phon. det. in  *ʿn* 'beautiful'.² See too above D 7.
¹ *AEO.* ii. 126*, following *Sitz. Berl. Ak.* 1933, 864. The full value *ʿin*, corresponding to Semitic *rain* 'eye', is proved by the derivatives *ʿin* 'coat with lime-stone (!)', *Urk.* i. 20, 5 (O. K.) and *ʿyn* '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  ¹ var.  ² *wdst* 'the *wdst*-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 *wdst*-eye
 Sign for $\frac{1}{2}$ *ḥekat*-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 *wdst*-eye sign for $\frac{1}{4}$ *ḥekat*-measure of corn (§ 266, 1). A similar, but smaller, sign appears to have been used for from 1 to 9 *ḥekat* (§ 266, 1). To be distinguished from the grain of sand • N 33, and from the circle o, see after Z 8.
¹ BUDGE, 212, 13 (*Nu*).
- 13  eye-brow (also as part of the *wdst*-eye)
 Sign for $\frac{1}{8}$ *ḥekat*-measure of corn (§ 266, 1). Also  as det. in  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 *wdst*-eye
 Sign for $\frac{1}{16}$ *ḥekat*-measure of corn (§ 266, 1).
- 15  one of the markings of the *wdst*-eye
 Sign for $\frac{1}{32}$ *ḥekat*-measure of corn (§ 266, 1).

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

- D 24**  ¹ upper lip with teeth Ideo. in  *spt*, var. Pyr.  ² *spt*, 'lip', 'border' (of pool, etc.). Occasionally used by mistake for  F 42.³
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.  *bsi* 'vomit';  *ks*, var.  *ks*, '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**  breast⁰ Ideo or det. in  var. Pyr.  ¹ *mnd*, later var.  ² *mnd*, 'breast'. Det. suckle, exx.  ³ *snk* 'suckle';  ⁴ *mny* 'tutor' (det. transferred from *mnt* '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 commoner shape)¹ Use as last.
¹ *D. el B.* 94; *Paheri* 4.
- 28**  arms extended so as to embrace? Ideo. in  *ks* 'soul', 'spirit' (p. 172). Phon. *ks*,¹ exx.  *kst* 'work';  *hks* 'magic'. In group-writing (§ 60)  or  is phon. *k*.²
¹ Reading, *Pyr.* 300 (*ksr* 'chapel'). ² BURCHARDT § 120.
- 29**  combination of  D 28 and  R 12 In  *ks* 'soul', regarded as of divine nature.
- 30**  ¹ the sign  D 28 with an appendage Det. in  *Nhb-ksrw* '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  U 36 In  var.  *hm-ks* 'servant of the ka', 'ka-priest'.
¹ *Hier.* 9, no. 165 (Bershad).
- 32**  arms enclosing or embracing Det. envelop, embrace, exx.  *ink* 'envelop';  *hpt* 'embrace'; open arms, in  *pg* 'unfold'.
- 33**  arms engaged in rowing Ideo. in  *hni*¹ 'row' and derivatives. Hence phon. *hn*, ex.  *hnnw* '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 *h* 'fight' and derivatives.
¹ Thebes, tomb 93. Elsewhere usually shield and mace, *Hier.* p. 15.
² *Pyr.* 574. In M.K. also sometimes *ht*, see *Sphinx* 12, 108.
- 34***  ¹ O.K. form of last Use as last.
¹ DAV. *Ptah.* i. 5, no. 46.

D 35 ¹ arms in gesture of Ideo. in  *n*² and  *nn*² 'not' (§ 104). Hence phon. *n*,² negation
 exx.  *n* 'to', 'for' (§ 164);  *nn* *sm* 'spleen'.
 Ideo. also in  var.  *iwty*, var. Pyr.  *iwty*,
 'which not' (§ 202).³ Det. not know, in  *hm* 'be
 ignorant'; hence phon. det. *hm*, exx.  *hm* 'shrine';
 also with metathesis *mh*, in  *smh* 'forget'.

¹ Palms upward, common at all periods, exx. O.K., *Sagq. Mast.* i. 1; M.K., *Meir* i. 5; Dyn. XVIII, *Rekh.* 2. 3. 10; but sometimes palms down, exx. O.K., *Medum* 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  *r* 'arm', 'hand'. Hence phon. *r*. Also in hieratic, less often in hieroglyphic, as substitute for  D 37,  D 38,  D 39,  D 40,  D 41,  D 42,  D 43,  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  var.  *imi* 'give', imperative (§ 336),¹ whereas  is there common both as (*r*)*dî* and as *imi*. In M.K. and later  is commoner than  both in *rdî* () and in *dî* (), but tends in the imperative *imi* to be replaced by  D 38. In Dyn. XI sometimes replaced by  D 40^{1a} or  D 44.^{1b} Phon. *d* (from *dî*) in  *Ddw* 'Busiris' (§ 289, 1); also *mî* or merely *m* (from *imi*), exx.  *mi*² var.  *Kmi*³ 'Kemi', name of a queen;  *mk* '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  *imi* 'give' (§ 336). Hence phon. *mî*¹ and more commonly *m*, exx.  *mki*² 'protect';  *Itm*³ 'Atum'.

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

39  forearm with hand holding bowl  W 24

Det. offer, present, exx.  var.  *hmk* 'present';  *drp* 'offer'. In Dyn. IX–XII occasionally as substitute for  D 37 or  D 38, ex.  *rdî* 'who causes';  *Mkt-Rr* 'Mektrēt', name of a man; also for  D 36, ex.  *m-r*³ '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 *nh̄t* 'strong';  *ith* 'drag'. Also abbrev. for  *h̄i* '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.  *gb̄i* 'arm';  varr. ¹ ² *rmn* 'arm', 'shoulder';  *ib̄y* 'left'; det. various actions involving movement of arms,³ exx.  *h̄ms* 'bend', 'bow';  *r̄k̄i* 'incline';  *h̄si* 'sing'; cessation of movement, exx.  *gr̄h* 'cease';  *n̄i* 'reject'. From this last, phon. or phon. det. *n̄i*, exx.  *n̄iw* 'ostrich'; ⁵ var. ⁶ *n̄iw* 'bowl'.
¹ *AZ.* 34, 30. ² *Brit. Mus.* 572, 12. ³ Reason obscure in *nm̄i* '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.  *mh̄* 'cubit' (§ 266, 2).
- 43**  forearm with hand holding flagellum  Ideo. in  varr. Pyr. ¹ ² *h̄wi* 'protect'. Hence phon. *h̄w*, exx.  *h̄ww* 'evil';  *sh̄wd* 'enrich'.
¹ *Pyr.* 1629. ² *Pyr.* 1797. ³ *Urk.* iv. 1077, 9. ⁴ *Urk.* iv. 60, 15.
- 44**  forearm with hand holding the *ḥb̄*-sceptre  Det. in ¹ abbrev. ² *h̄rp* '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 *nh̄bt*-wand¹ Ideo. or det. in  var. ² *dsr*, var. Pyr. ³ *dsr*, 'clear (a road)', 'be private', 'holy', and derivatives.
¹ See J&Q. 185; used as a brush (!), *JEA.* 32, 51. ² *Urk.* iv. 864, 15.
³ *Pyr.* 1456.
- 46**  hand Ideo. in ¹ occasional varr. ² *drt*, ³ *dst*, 'hand'. Phon. *d*, from the old Semitic word *yad* 'hand',⁴ cf. Egypt.  *wdi* 'put', 'push', 'emit (sound)'.
¹ Reading based mainly on Coptic *tōre*, *tōdt*, *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** ¹ hand with curved palm Det. in *drt* 'hand' when written phonetically; see last.
¹ *CHASS. Ass.* Pl. 19, top, l. 6 from left.
- 46*** ¹ 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, *Ikhern.*, col. to left, and so already *PETR. RT.* i. 17, 26. ² *BH.* i. 17, cf. O.K., L. D. ii. 89 c.
³ *Ikhern.*, col. to left, the det. due to confusion with *idt* 'dew'. ⁴ *Pyr.* 365, b.

D 48  hand without thumbIdeo. in ¹ varr.  *šsp* 'palm', more strictly 'a hand-breadth', a linear measure (§ 266, 2).¹ *Urk.* iv. 190, 10. 12; cf. *ÄZ.* 60, 71 for the reading.49  fistDet. grasp, in  *mm* 'grasp';  *šfr* 'seize'.50  finger⁰Ideo. or det. in  var. Pyr. ¹ *ḏbr* 'finger' and related words. Hence phon. *ḏbr*, ex.  *ḏbr* '10,000' (§ 259). The two fingers  serve as det. accurate, exx.  *ḥ* '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.³⁰ Not a thumb as proposed *ÄZ.* 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 horizontallyIdeo. or det. in  var. ¹ *ent* 'nail'. Det. for obscure reasons in  *ḥi* 'measure';  *ṭi* 'take', 'gird on';  *ḏkr* 'press'.² From the last, phon. det. *ḏkr* in  abbrev. ³ *ḏkr(w)* 'fruit'. As abbrev.  appears also to represent  *ḥsw* 'grains (?)' in the medical papyri.⁴ In  *nḥwt* 'notched sycamore 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  phallusDet. male, exx.  *ʿ* 'ass';  *ṭy* 'male', 'man';  abbrev.  *ḥs* 'bull'. Phon. *mt* (cf. Hebrew מְתִים 'men'), exx.  *mtwt* 'poison';  *ḥmt* '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.²¹ *Sphinx* 16, 69.² *Sphinx* 16, 186.53  phallus with liquid issuing from itFor the use of  as contrasted with  D 52, see the latter. Det. in  *ḥnn* 'phallus';  *wsš* 'urinate';  *mtwt* 'poison'; sometimes also (contrary to O.K. usage) in  *ṭy* 'male', 'man';  *ḥi* 'husband'; regularly (contrary to O.K. usage) in  var.  *m-bšḥ* 'in the presence of' (§ 178).For  as substitute for the female organ, see on  N 41.

D 54  legs walking

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

¹ Reading, *Pyr.* 1210 in the divine name 'Iw-f-*g*.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.  *nn* 'turn back';  *sbs* 'cause to retreat';  *ht* 'be reversed'.

¹ *Leb.* 83. ² *P. Kah.* 1, 8. ³ *Siut* 1, 270.

56  leg

Ideo. or det. in  var.  *rd* 'foot'. Det. leg, foot, exx.  *mnt* 'thigh';  *pd* 'knee';  *wrt* 'leg', 'shank'. From *pd*, phon. *pds*² in  varr. , ,  *pds* 'box'. From *wrt*, phon. or phon. det. *wrr* in  abbrev.  *wrt* 'district' and its derivative title  *wrtw* 'district official'; also in  *wrr* 'flee'. From  *sbk* 'leg', phon. det. or phon. *sbk* in  var. *sbk* 'excellent', 'successful'. For some reason unknown, phon. *gh* or *ghs*⁵ in var. *ghs* 'gazelle'. The group is used to determine various verbs expressing movement, exx. *thi* 'transgress'; *hnd* '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 *Sphinx* 13, 89. ⁶ *Urk.* iv. 741, 12. ^{7a} *Eb.* 98, 7, see *Kêmi* i, 144. ⁷ Not related to *hnd* 'part of foreleg', *Pyr.* 1547; for this word see *Bull.* 30, 866.

57  combination of  D 56 and  T 30 Det. mutilate, in  *ist* 'be mutilated' and derivatives. Note abbrev.  *istw* 'place of execution';  var.  *sisty* 'cheat' (n.) appears from the var. to be a causative.⁵ Det. also in  *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.  *bw* 'place', 'position'. Hence phon. *b*.³

¹ In Dyn. I often very low, exx. DE 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 SETHB, *Alphabet* 152.

Sign-list

EGYPTIAN GRAMMAR

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

60  combination of  D 58 Ideo. in  var. Pyr.  ¹ *wrb* 'pure', 'clean'.
with a vase from ¹ *Pyr.* 1171.
which water flows (re-
places earlier  A 6)

For  see S 13.

61  toes¹ Ideo. or det. in  var.  *sh* (*sh*) 'toe'. Hence
phon. or phon. det. *sh* (*sh*)², exx.  *sh* 'approach';
 *m-sh* 'in the neighbourhood of' (§ 178).
¹ L. D. ii. 3 (Dyn. III). See *AZ.* 34, 77 and above p. 439. ² For *sh* 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  bull Ideo. in  var.  *ks* 'bull'. Det. cattle, exx.  *ng* 'bull';  *iw* 'ox';  *mmnt* '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 *th* or *tw*.

2  aggressive bull Ideo. in  *ks nht* 'victorious bull', epithet of Pharaoh (§ 55).
Det. in  *sm* 'fighting bull'.
¹ *D. el B.* 120. ² *Urk.* iv. 2, 13.

3  calf Det. in  *bhs* (*bhz*)¹ 'calf'; also in  *wndw* 'short-horned cattle'.
¹ *Pyr.* 27. ² *D. el B.* 140, where the sign differs from the calf only slightly.

4  sacred *hsst*-cow Det. in  *hsst* (*hzst*)² 'sacred *hsst*-cow'.
¹ Karnak, chapel of Hashepsowe. 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  *ms* '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 *אִבְרִי*) 'stallion';  ³ *htr* '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  ¹ 'ass'. In hieratic ¹ sometimes replaced by  E 20 ².

¹ The proper form, MÖLL. *Pal.* i. no. 133.

² References, E 20, n. 5.

8  kid ( E 8* kid jumping, form not found before Dyn. XIX) ¹

Cf.  *ib* 'kid'. ² Hence phon. det. *ib*, exx.  *ibi* 'thirst';  *ibw* 'refuge'; only rarely phon. *ib*, ex.  ³ *ibh* 'ibh-priest'. Det. small cattle, exx.  ⁴ *rw* 'flocks', 'goats';  *mmnt* '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 hartebeest (*Alcelaphus buselaphus*), cf. below F 5, 6.⁰

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  *bs* 'ram';  *Hnmw* 'Chnum', a ram-headed god. Det. sheep, exx.  ³ *sr* 'sheep';  ⁴ *rw* *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 *Menthw.* 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';  *ssi* 'pig'.

13  ¹ cat

Det. in  *miw* 'cat'.

¹ Cf. the picture *Musée égyptien* i. 3.

14  ¹ greyhound (*slughi*)

Det. dog in  *iw* 'dog';  *tzm* 'hound'.

¹ *D. el B.* 70. Cf. the picture *BH.* iv. 2.

15  recumbent dog ¹

Ideo. or det. in  var.  *Inpw* 'Anubis'. Also  ² as sportive idio. for the title  *hry sst* '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  ¹ like  E 15 for *hry sst* 'he who is over the secrets'.

¹ *Urk.* iv. 1120, 7.

Sign-list

EGYPTIAN GRAMMAR

E 17  jackal¹

Ideo. or det. in  *syb*, var. Pyr.  ² *syb*, 'jackal' and related words, ex.  *syb* 'dignitary', 'worthy'.

¹ The conventional rendering is here retained. The animal is depicted BH. ii. 4. The Upper Egyptian *syb* is, however, the Anubis-nimal E 15 (Pyr. 727); on the other hand, the *syb* has close connections with Wepwawet, the wolf-god E 18 (Unt. iii. 8. 16). ² Pyr. 1257.

18  ¹ wolf (?) ² on the standard T R 12

Ideo. or det. in  varr.  ¹ *Wp-wrwt* ' (the wolf-god) Wepwawet', lit. 'opener of the ways', Gk. 'Ophiōis.

¹ Thebes tomb 100. ² So interpreted by the Greeks, *ĀZ.* 41, 97, cf. their name *Λύκων πόλις* for the modern town of Asyūt. However, GAILLARD (*Ann.* 27, 33) showed that the skulls found at Asyūt 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, *Mahāsna and Bēt Khallāf* p. 19; for *šdšd* also *ĀZ.* 47, 88.

20  animal of Seth, perhaps a kind of pig¹

Ideo. in  var.  ² *Stḥ*,³ var. Pyr.  ⁴ *Stḥ*, ' (the god) Seth' *Σηθ*; later sometimes abbreviated as  . Det. turmoil, exx.    *hnnw* 'turmoil';  *sh* '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, *ĀZ.* 50, 84; 61, 18; the tail is shown as an arrow, *ĀZ.* 46, 90. ² *Urk.* v. 32, 6. ³ Reading *PSBA.* 28, 123; *ĀZ.* 50, 84. ⁴ Pyr. 17. ⁵ *Peas.* 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 *mi* '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'.³ Phon. *rw*, exx.   var. O.K.  ³ *rwyt* 'gate (?)';   *itrw* 'river'. In group-writing (§ 60)  or  is used for *r*,⁴ ex.  ⁵ *Krr* 'Gerār', a Syrian locality; for  see on N 35. Through similarity in hieratic  is employed in words with U 13 reading *šnr*, exx.  *šnr* 'hold back';  *šnr* 'magazine'.

¹ Pyr. 1351 with the lion mutilated, see *ĀZ.* 51, 36.

² *PSBA.* 38, 92.

³ *Gebr.* ii. 12.

⁴ BURCHARDT § 80.

⁵ *Urk.* iv. 784, 80.

⁶ See above p. 439.

24  ¹ panther

Ideo. or det. in  ¹ var.  ² *šy* '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 *hjb* 'hippopotamus'.
¹ From the picture *Bull. Metr. Mus. New York*, Eg. Expedition, 1922-3, 35.
² *Peas.* B 1, 206. ³ *Th. T. S.* ii. 11. ⁴ Louvre C 14, 11.
- 26  ¹ elephant Det. in  *sbw* 'elephant'. Semi-phon. in  ² *sbw* 'Elephantine', a town near the First Cataract.
¹ *Cat. d. Mon.* i. 155 (Dyn. XII). ² *ib.*
- 27  giraffe (*mmv*) ¹ For unknown reason, det. *sr* in  *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  *mshd* 'oryx'.
¹ *Ex. D. el B.* 140.
- 29  ¹ gazelle Det. in  *ghs* (*ghs*) ² 'gazelle'.
¹ *Ex. D. el B.* 140; cf. *ib.* 111. ² For the reading with *f* see DAV. *Plak.* ii. 19.
- 30  ¹ ibex Det. in  *nsw*, var.  ² *nsw*, var. O.K.  ³ *nsw*, 'ibex'.
¹ *Ex. D. el B.* 140; cf. *ib.* 111. ² *Eb.* 52, 12. ³ DAV. *Plak.* ii. 19.
- 31  goat with collar carrying a cylinder seal ¹ Ideo. (?) or det.  var.  *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. *saraha* 'pasture freely'. ² For the reading with *f* see *Pyr.* 800.
- 32  ¹ sacred baboon (*Cynocephalus hamadryas*) Det. in  *irn* ² 'sacred baboon';  ³ *ky* 'monkey'.
 Det. in  ⁴ *knd* 'be furious'.
¹ *Ex. D. el B.* 74 (*rec.*). 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  *gf*, var.  *gif*, 'monkey'.
¹ *Ex. D. el B.* 74 (*gf*).
- 34  desert hare (*shrt*) ¹ Phon. *wn*, ² *exx.*  *wnn* 'be';  *swnt* 'sale'.
¹ *BH.* ii. 4. ² Reading from many Coptic equivalents, *exx. wnn* 'open'; *wmesk* 'wolf'.

Sect. F. Parts of Mammals

- F 1  head of ox Replaces  *ks* E 1 in the formula of offering (p. 172) and like.
- 2  ¹ head of infuriated bull Det. in  *dnd* 'rage'.
¹ *Puy.* 20, where the word is written *dnd*. Cf. *Pyr.* 63 (*dnd*).
- 3  ¹ head of hippopotamus, later form of a sign resembling  F 9 Semi-ideo. in  *st* 'striking power'; phon. *st* in  var.  *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. ² *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.  ¹ *ššw* (*ššw*)² 'bubalis'. Hence phon. or phon. det. *šš* (*šš*), exx.  var. ³ *šš* 'be skilled'; ⁴ *ššw* 'prescription'. Sometimes incorrectly as phon. det. *šš*, ex. ⁵ *šš* 'prayer'.
¹ Depicted *BH.* ii, 4. ² Written *šš* in Dyn. V, *DAV. Plak.* 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 *šft* 'ram's head', whence also in  var. ² *šfy* 'worth', 'dignity';  *ššft* '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 (*bs*)¹ Det. or abbrev. in  var.  *phty* 'strength'.
¹ See *Rec.* 37, 113; also sculpture from Abu Gurāb in *KLEBS, Reliefs des alten Reichs*, p. 63.
- 10  head and neck of long-necked animal (Dyn. XVIII) Det. neck, throat, exx.  *hbt* 'throat';  *htyt* 'throat'; also activities connected therewith, exx.  *m* 'swallow';  *ndt* '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. ¹ *wšrt* 'neck'. Hence phon. *wšr* (*wšr*), exx.  *wšr*, var. *Pyr.* ² *wšr*, 'powerful'; ³ *wšr* '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. *wp*, ex.  var. *Pyr.* ¹ *wpi* 'divide', 'open'; in two words reads *ip*, viz.  *ipt*² 'mission';  *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 *exone*; 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-rnpt* '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. *Simt* 1, 305.

F 16  horn

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

¹ *P. med. Berl.* 11, 12 (Dyn. XIX) = *Eb.* 48, 16.² *Rec.* 39, 117. See too *ib.*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';  *nhdt*
 'tooth'; also actions connected therewith, exx.  *psk* 'bite';  *sbt* 'laugh' (influenced by *sbh* 'cry'?).
 From *ibh*, phon. or phon. det. *bh*, exx.  *bhs* 'calf';
 *sbh* 'cry'. For unknown reason,^{1a} phon. det. *hw*
 in  *Hw* 'Hu', the god of authoritative utterance;
 *hw* 'sustenance'; hence in group-writing (§ 60) 
 is *h*², ex.  *Mh* 'Maḥu', a personal name. In words
 reading *bi*, exx.  *bi* 'firmament',  *bit*
 'wonder',  is possibly not a tooth, but a metal spout.³
 Phon. det. *bi* in  var.  *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  lower jaw-bone of ox²

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

¹ For the reading with *f*, see *nfr* 'flame', *Pyr.* 295.² *AZ.* 40, 142; 42, 142.21  ear of ox?

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

¹ *Eb.* 92, 5 compared with 92, 3.² *Pyr.* 1461.³ See *P. med. Berl.*vs. 3, 7 (ed. WRESZINSKI, p. 48) compared with *Eb.* 62, 20.⁴ *Eb.* 59, 10.

- F 22  hind-quarters of lion or leopard
 Ideo. in  *phwy* 'hind-quarters', 'end'; hence phon. or phon. det. *ph*, exx.  var.  *ph* 'reach';  *phly* 'strength'. Det. in  *kf* 'bottom' (of vase, etc.); hence phon. or phon. det. *kf* in  var.  *kf-ib* 'trusty'. Also det. in  *rt* 'hind-quarters'.
¹ Berl. *AL* i. p. 257, 8. ² *Eb.* 54, 22. ³ *Pt.* 433. ⁴ Cairo 20266, b 8; 20399.
- 23 ¹ foreleg of ox (thus always in hieratic)
 Ideo. or det. in  var.  *hps* 'foreleg', 'arm'. Det. in  *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 ox¹
 Ideo. in  *whmt* 'hoof' of ox.² By transference to donkey, semi-ideo. in ³ abbrev.  *whm(t?)* 'hoof', figuratively for 'asses'.⁴ Hence phon. *whm* in  *whm* 'repeat', O. K. var. ,⁵ and derivatives.
¹ KEIMER, *Ann.* 44, 311. ² Of ox, *Onom. Ram.* 281 in *AEO* i. 16 (read *whmt* for *whmt*). ³ *Dend.* 11, top right. ⁴ *Rec.* 38, 61. ⁵ JÉQUIER, *Les Pyramides des reines Neit et Apouit*, 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 goat¹
 Ideo. in ² var.  *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 *nhnt* 'ferry-boat'.
- 27  cow's skin⁰
 Det. skin, exx.  *dhr* 'hide', 'leather';  *msk* 'skin', 'rug'; mammals generally, exx.  *wns* 'wolf';  *pnw* '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.  *sib swt* 'variegated of feathers', epithet of the solar Horus, cf. *Pyr.*  *sib* 'variegated'. Sometimes replaces  *ib* (U 23), ex.  *ibdw* 'Abydos'.
¹ Exx. with winged disk, *D. el B.* 96; flying falcon, *ib.* 93. ² Brit. Mus. 826, 9 = *Rec.* 1, 70. ³ *Pyr.* 1211; cf. the common O.K. man's name *Sibw*, 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.  *sti (sti)*¹ 'pierce' and derivatives. Also phon. *st*, ex.  *Stt* 'the goddess) Satis', in spite of the fact that *Pyr.* write this name  *Stt* with *t* instead of *t*.
¹ *Pyr.* 1197. ² Brit. Mus. 852. ³ *Pyr.* 1116; see *AZ.* 45, 24.

F 30  water-skin

Cf.  *šdw* 'water-skin',¹ 'cushion'.² Hence phon. *šd*,
exx.  var. Pyr.  ³ *šd* '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.  ² *mst* 'apron of foxes' skins'. Hence phon. *ms* (*mš*),
exx.  *msi*, var. Pyr.  ³ *mš*, 'give birth';
 ⁴ *msdmt* '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  *ht* 'belly', 'body'. Hence phon. *h*.²

¹ *Medum*, 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  *hsty* 'heart'.

¹ *Pyr.* 311.

35  heart and windpipe¹

For unknown reason, phon. *nfr* in  *nfr*, rare var.  ²
'good' and related words.

¹ *Hier.* p. 65. Cf. 'Ανθρώπου καρδία φάρυγγος ἡρτημένη, ἀγαθοῦ ἀνθρώπου στόμα
σημαίνει, HORAPOLLO, *Hieroglyphica*, 2, 4. ² Cairo 20011; cf. also Copt. *nāfe*
'good'.

36  lung and windpipe¹

Cf.  ² *smš* 'lung'. Hence phon. or phon. det. *smš* (*zmš*)
in  ³ var.  *smš* (*zmš*)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 *ist* 'back'. Det. in  ³
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, *Menthuh.* 11.

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.  ² *imsh* 'spinal cord', 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 issu-
ing at both ends

Ideo. (?) in  *rw* 'stretch out', 'be long'. Possibly hence
phon. *rw*,¹ exx.  ² *rw* 'offerings';  *frw* 'magni-
ficence'.

¹ Reading, see *PSBA.* 18, 187; cf. also *rw* 'announce', *Pyr.* 1141.

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F 41  vertebrae conventionally depicted

Rarely det. in  ¹ *psd* 'back'. As det. of  ² *šrt* 'lust for blood' from an old sign  ³ depicting stalks of flax tied together and the bolls cut off.⁴

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

42  rib

Ideo. or det. in  ¹ var.  ² *spr* (*špr*) 'rib'.³ Hence phon. *spr* (*špr*) in  *spr* 'approach' and derivatives. Similar signs with which  is liable to be confused are  D 24,  N 11, and  N 12.

¹ *P. Boul.* xi. vs. 8. ² *Siut* 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  ¹ *iwr* 'thigh (of beef)', 'femur';² hence phon. det. or phon. *iwr*, exx.  *iwr* 'inherit';  *iwt* 'heritage'. (2) Det. in  ³ *swt* (*šwt*) 'leg of beef', 'tibia';² hence phon. *isw* (*išw*) in  ⁴ var.  *isw*,⁵ var. O.K.  ⁶ *isw*, 'exchange'.

¹ *Siut* 1, 276; cf. *Pyr.* 1546. ² See LORTET-GAILLARD, *La faune momifiée*, p. ix. ³ *BH.* 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  ² 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 *kib* 'intestine'; hence semi-ideo. in  *m-kib* 'in the midst of' (§ 178);  *k(i)b* 'double'. Ideo. and later phon. also in  ³ var.  *pkr* 'turn', 'go round' and derivatives;  ⁴ var.  *dbn* 'go round' and derivatives. Det. (from Dyn. XII) in  ⁵ *wdb*, var.  ⁶ *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-kib*, *Paheri* 9, 11; *pkr*, O.K., *Gemm.* 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  M 11 before
48  ⁴ the Amarna period)
49  ⁵

Use as last.

¹ Varies with F 46 for *pkr* in *Pyr.*; *Urk.* iv. 270, 7; *D. el B.* 10. 45; *dbn*, *D. el B.* 81. ² Ex. *pkr*, *D. el B.* 11. ³ Regularly for *dbn* 'deben-weight' in the Annals of Tutthosis III, exx. *Urk.* iv. 699. 718. 733; contrast *pkr*, *Urk.* iv. 655, 9. 14. Exceptionally also *pkr*, *Rekh.* 3, 21. ⁴ In *wdb*, *Amarn.* iii. 20. Probably never in *kib*, *pkr*, or *dbn*.

- 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, *Décr.*, Pl. 4, 1.
- 51  piece of flesh (also  Det. limb, flesh, exx.  *rt* 'limb';  *hr* 'flesh'; parts of the body, exx.  *nhbt* 'neck', 'shoulder';  *mst* 'liver'; meat, ex.  *iwf* 'meat'. As abbrev.  ¹ is found for  *hrw* 'members', 'body'; and  ³ for  *kns* 'vagina'. Possibly a different sign is  ⁴ as phon. *rs* or *ws* in  *3st* 'Isis' and  *Wsir* 'Osiris', writings found on the M.K. coffins for some superstitious reasons; the former has as rare variant  ⁷. 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 *isw* 'testicle' (*Wb.* i. 131), see NORTHAMPT. p. 9*; another possibility is that it is an adaptation of the hieratic sign for 'son' (*st*), 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 'vulture'; hence phon. *3*. 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. *33*, ex.  *ms* 'see'.
monogram
- 3  combination of  G 1 Phon. *ms*, ex.  *smxy* '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  (*y*) 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.  *hrw* '(the falcon-god) Horus'.
¹ So KEIMER; taken to be *Falco peregrinus* by LORET, *Bull.* 3, 1; BÉNÉDITE, *Falcon ou épervier*, in *Monuments Piot*, 1909. ² *Pyr.* 1690.

Sign-list

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- G 6**  falcon with flagellum  Det. in   ¹ *bik* 'falcon'.
S 45 ¹ *Urk.* iv. 159, 13.
- 7**  falcon of Horus on the standard  R 12 Det. in the O.K. writing  ¹ *Hr(w)* 'Horus'. Hence in O.K. and later often archaistically det. of gods, ex.  *Ymn* 'Amūn', or of the king, ex.  *nsu* '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 boat ¹ 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  S 12 In title of the king  *Hr* (or *bik*?) *n nbw* 'Horus (or falcon?) of gold'.¹
¹ See p. 73 above.
- 9**  falcon of Horus bearing the sun  N 5 In  ¹ *Rc-Hr-shyty* ' (the composite god) Rēc-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 *hnuw* 'the *hnuw*-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 *šm* (also *šm*, *šm*) 'divine image'; also in  ¹ *šnt* 'breast'.
¹ *Urk.* iv. 612, 4.
- 12**  archaic image of falcon with flagellum  S 45 Like  G 11, det. in  ¹ *šm* 'divine image'.¹
¹ BRUGSCH, *Thes.* 1078.

- G 13**  archaic image of falcon with the double plumes  S 9 Ideo. in  ¹ var. Pyr.  ² *Hr Nbn(y)* 'the god Horus of Nekhen', i. e. of Hieraconpolis. Det. in  ³ *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.
- 14**  vulture (*Gyps fulvus*; cf. ² H 4) Det. in Pyr.  ¹ *nrt* 'vulture'; hence phon. det. *nr*, ex.  *nrtw* 'terror'. For obscure reason ^{1a} in  *nwt* 'mother', Copt. *maau*; hence phon. *mt*, exx.  *chmt* 'river-bank',  ³ *mtu* 'road'.
- ¹ *Pyr.* 1118. ^{1a} *DAV. Ptah.* i. 19. ² *Peas.* R 57. ³ *Sint* I, 230.
- 15**  vulture with flagellum  S 45 (Dyn. XVIII) Ideo. in  ¹ *Mwt* 'the goddess Mut'.
- ¹ *Urk.* iv. 413, 16.
- 16**  the vulture-goddess In  *nbty* 'Two-Ladies', title of the king.¹
- Nekhet and the cobra-goddess Edjō on baskets  V 30 ¹ See p. 73 for the reading and interpretation.
- 17**  owl¹ Cf. Coptic *ⲙⲟⲩⲗⲁⲗ* '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.
- 18**  two owls as monogram Phon. *mm*, ex.  ¹ *tmn* 'not having been'. In Dyn. XVIII  seems to be used for  *im* 'therein' (§ 205).
- ¹ *D. el B.* 76.
- 19**  combination of  G 17 and  D 37 (Dyn. XVIII) Phon. *m* (originally *mī*), ex.  *mhy* 'be neglectful'.
- See  D 37 and  D 38.
- 20**  combination of  G 17 and  D 36 (Dyn. XVIII) Use as last.
- 21**  ¹ Sennar guinea-fowl (*Numida m. meleagris*)^{1a} Ideo. in  ² *nh* 'the nh-bird'. Phon. *nh*, exx.  *nhī* '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.
- 22**  ¹ hoopoe (*Upupa epops*) Phon. *db* in  ¹ var. Pyr.  ² *dbt*, var. N.K.  *dbt*, 'brick'.
- ¹ *L. D.* iii. 56, A. ² *Pyr.* 246.

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- G 23  ¹ lapwing (*Vanellus cristatus*) Phon. or phon. det. *rb(y)t* in  var.  *rbyt* '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 comata*) Ideo. or semi-ideo. in  ² var.  ³ *ih* 'spirit', 'spirit-like nature'. Hence semi-phon. *ih* in  *ih* 'be glorious', 'beneficial' and derivatives.
¹ *Hier.* p. 21; *Bull.* 17, 183; *Ann.* 30, 24; 38, 263. ² *Pyr.* 474.
³ *AZ.* 57, 137.
- 26  sacred ibis (*Ibis religiosa*) on the standard  R 12 Det. in  ¹ *hb* 'ibis'. Det. in  varr.  *Thoth* ² *Dhwti* 'the ibis-god' Thoth'.
¹ BRUGSCH, *Thes.* 1075. ² *AZ.* 51, 58.
- 26*  sacred ibis Use as last, but very rarely without the standard.
- 27  flamingo (*Phoenicopterus roseus*)¹ Det. in  ² *dšr* 'flamingo'. Hence semi-phon. *dšr* in  var.  *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.  *gmi* 'find';  *gmh* 'look at'.
⁰ GUNN, *Teti*, i. 109, n. 4; *Ann.* 30, 20. ¹ Legend to a picture of the bird flying, *AZ.* 38, Pl. 5. ² Reading, compare *gmhsw* in *Pyr.* 250 with BUDGE, p. 461, 12.
- 29  jabiru (*Ephippiorhynchus senegalensis*)¹ Ideo. in  *bs* 'soul (in bird form)'. Hence phon. *bs*, exx.  *bsk* 'servant';  *hbs* 'destroy'. In group-writing (§ 60)  or  or  is used for *b*².
¹ *Ann.* 30, 1. ² BURCHARDT § 41.
- 30  three jabirus as monogram In  *brw* 'spirits', 'might'.
- 31  heron (*Ardea cinerea* or *Ardea purpurea*)¹ Det. in  *bnw* (*bynw*)² 'phoenix'. A very similar bird is det. in  ³ *šnty* 'heron'.
¹ *AZ.* 16, 104. ² *AZ.* 45, 84. ³ *Urk.* iv. 113, 14. Cf. *AZ.* 61, 106.
- 32  heron on a perch Ideo. or det. in  var.  ¹ *bḥi* 'be inundated'.
¹ *Urk.* iv. 1165, 14.
- 33  ¹ buff-backed egret? (*Ardea ibis*?) Det. in *Pyr.*  ² *śds* 'the *śds*-bird'. Hence phon. det. in  *śds* 'tremble';  *śdsśds* 'tremble'.
¹ Cairo 34010, 12 (LACAU, Pl. 7) = *Urk.* iv. 616, 8. ² *Pyr.* 2152.
- 34  ¹ ostrich (*Struthio camelus*) Det. in  ² var.  ³ *nirw* '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. ϵk , exx. Δ^2 var. Δ^2 ϵk 'enter'; Δ^2 ϵkw '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'; wr^2 wrh 'anoint'. A similar sign is det. in Δ^2 mnt 'swallow'.⁴
¹ So CARTER, confirmed by KEIMER, who insists that it is impossible to define the species more closely. Coloured facsimiles, differing much in detail, *Medum*, frontispiece no. 4; *Hier.* Pl. 1, 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 $\sigma\eta\mu\phi$ 'how much' = Eg. wr (§ 502); but also varr. in *Pyr.* 1183 ($nurw$) and kindred words. ³ *Urk.* iv. 113, 13. ⁴ *Hier.* p. 20.
- 37  sparrow¹ (*Passer domesticus aegyptiacus*. Note the rounded tail) Det. small, exx. Δ^2 Δ^2 abbrev. Δ^2 nds (nds)³ 'small'; Δ^2 Δ^2 hns 'narrow'; bad, defective, exx. Δ^2 Δ^2 bin 'bad'; Δ^2 Δ^2 sw 'empty'; Δ^2 Δ^2 mr 'ill', 'diseased'; Δ^2 Δ^2 ik '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 *Pear.* R 45.
- 38  white-fronted goose (*Anser albifrons*)¹ Det. in O.K. Δ^2 Δ^2 gb 'the gb -goose'; hence semi-phon. gb in Δ^2 Δ^2 Gb , var. Δ^2 Δ^2 Gbb , '(the earth-god) Geb', Gk. $K\eta\beta$.² Det. in Δ^2 Δ^2 r , Δ^2 Δ^2 trp , names of kinds of geese⁴; also in Δ^2 Δ^2 spd 'bird', 'goose'. This type may be employed in place of the more exact Δ^2 G 39 in words containing sr (zr), except when the originals clearly mark the pintail. It may be employed for the indeterminate birds serving as phon. det. in Δ^2 Δ^2 wf 'talk'; Δ^2 Δ^2 wsf 'be idle'; Δ^2 Δ^2 wdf 'delay' (§ 352); and Δ^2 Δ^2 htm 'perish'. Lastly, it may be used for the generalized det. of birds and insects found in hieratic,⁶ exx. Δ^2 Δ^2 $tnhr$ 'hawk (?)'; Δ^2 Δ^2 $nirw$ 'ostrich'; Δ^2 Δ^2 $snhmw$ 'locusts'.
¹ *Hier.* p. 22; *Bull. Metr. Mus. New York*, Egyptian Expedition 1916-7, 19.
² O.K., L. D. ii. 61, 8; N.K., P. Harris 500, recto, 4, 7. 9. ³ Reading, AZ. 24, 1; 43, 147; 51, 58. 59. ⁴ DAV. *Plak.* i. p. 21; cf. *Gemm.* i. 11. 12.
⁵ A goose according to *Hier.* p. 22. ⁶ MÖLL. *Pal.* i. no. 217. ⁷ *Pear.* B 1, 175.
⁸ *Eb.* 86, 11. ⁹ *Hearst* 14, 7.
- 39  pintail duck (*Dafila acuta*)¹ Det. in Δ^2 Δ^2 st (st , perhaps for zst) 'pintail duck'. Hence phon. sr (zr), exx. Δ^2 Δ^2 (sr)³ 'son'; Δ^2 Δ^2 srw 'beam', 'plank'; Δ^2 Δ^2 $hsst$ 'the divine $hsst$ -cow'. This type may, if preferred, be employed in place of Δ^2 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 *Plak.* (E. R. A.) 37; *Ti* 25. ³ Reading with z , *Pyr.* 1130.

G 40  pintail duck flying

Ideo. in Pyr. ¹ later var. ² *pj* 'fly'. Hence phon. *pj*, exx. ³ *pj* 'the' (§ 110); ⁴ *spj* 'centipede'. In group-writing (§ 60)  (hieratic ) is used for *pj*.⁵ In Dyn. XII  is occasionally used for  G 41.⁶ In hieratic  is always replaced by  G 41, as also occasionally in hieroglyphic.⁷

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

41  pintail duck alighting

Det. in  *hni* 'alight',¹ 'halt'; hence phon. det. *hn*, ex.  *hn* 'speech', 'sentence'. For unknown reasons, phon. or phon. det. *kmi* in ² var. ³ *kmyt* 'gum'; phon. det. *shw* in ⁴ *shwy* 'collect'. The combination ⁵ is used to show that  is the throw-stick  T 14, not the identically shaped warrior's club, serving as det. in ⁶ var. ⁷ *kms* 'throw', whence ⁸ *kms* 'create'; also in ⁹ *mtn*, O.K. ¹⁰ *mtn*, 'nomad hunter', whence phon. det. *tn*, *tn*, exx. ¹¹ *mtn* 'road'; ¹² *tni*, var. ¹³ *tni*, 'distinguish'. Before Dyn. XVIII  is sometimes used for  G 40 in hieroglyphic,¹⁴ as always in hieratic,¹⁵ where it often serves, like  G 38, as an indefinite det. for birds.

¹ Contrasted with *pj* '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 widgeon?¹

Ideo. in ² var. ³ var. O.K. ⁴ *wsj* 'fatten'; also in ⁵ *df(i)*⁶ 'provisions'.

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

43  quail chick¹

For unknown reason, phon. *w*.

¹ Hier. p. 21; Ann. 30, 6.

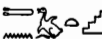
For  the hieroglyphic adaptation of the hieratic abbreviated form of  G 43, see Z 7.

44  two quail chicks  G 43 Phon. *ww*, ex. ¹ *phww* 'end' as monogram

45  combination of  G 43 Phon. *wr*, ex. ¹ *wrw* 'soldier' and  D 36

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

G 47  duckling⁰

Ideo. in  ¹ *ty* 'nestling'. Hence phon. *ty*,² exx.  *ty* 'male';  *tnyt* 'baldachin'. In group-writing (§ 60)  is used for *ty*.³

⁰ JEA. 27, 133.
Sphinx 19, 59.

¹ Amarn. vi. 27, 7.
³ BURCHARDT § 141.

Sim. *M. u K.* vs. 2, 2.

² Reading,

48  ¹ three ducklings  G 47 Det. in  ² *ss* (*ss?*) 'nest'. Sometimes  ³ takes the place of .

¹ O.K., *Gebr.* i. 5, with the scene.
qu. p. 96, n. 9.

² *D. el B.* 131.

³ *Urk.* iv. 897, 12,

49  ducks' heads protruding from a pool¹ Ideo. or det. in  ² var.  ³ *ss* (*ss?*) '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. *ssy*, *Urk.* iv. 898, 9.

³ *Bersh.* i. 20.

50  ¹ two plovers(?) as monogram In  *rhly*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 *rhly*, this bird seems to be distinct from the lapwing G 23.

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

51  ¹ egret(?) pecking at fish Det. in  *hym* '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.
11. 12.

² See the scenes of 'feeding' (*snmt*), *Gemn.* i.

³ With fem. infinitive, hence probably *caus. 2-lit.*

53  human-headed bird preceded by  R 7 (Dyn. XVIII)

Ideo. in  ¹ *bs* 'soul'.

¹ Leyd. *Denkm.* iv. 37; see *AZ.* 61, 104.

54  trussed goose or duck Det. in  ¹ *wsn* '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 *wsn* 'wring neck of (birds)', 'offer'. This type may be used for  H 2 in transcribing hieratic *ms* when the crest is absent.²

¹ *Sh. S.* 145; see *Rec.* 38, 200.
Sh. S. 66; *Peas.* B 1, 76.

² Exx. *ms* 'temple', *Eb.* 58, 22; *ms* 'real',

- H 2  head of a crested bird¹ Phon. det. *mr*, exx. ² *mr* 'temple' (of head), cf. ³ *mr* 'real'. Also phon. or phon. det. *wšm*, exx. ⁴ *wšm* 'ear (of corn)'; ⁵ *wšmw* 'vessel (for beer)'. From Dyn. XII in place of *q* H 3 as phon. *pk* (*pk*) in ⁶ *pk* 'fine linen'.
- ¹ Heron (!); but a duck *mr* 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. *pk* (*pk*), ex. ² *pk* 'pk-cake'.
- ¹ Pyr. 378 = W 486 (*pk*-cake). ² Siut 1, 240.
- 4  head of vulture  G 14 (*Gyps fulvus*) Phon. det. *nr*, ex. ¹ *nrw* 'terror'. From Dyn. XVIII sportive writing in ² late var. ³ *rm* '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 *hi* 'fly'; ⁴ *pi* '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  var. Pyr. ¹ *šwt* 'feather'. Hence phon. *šw*, ex.  *šw* '(the air-god) Shu'. Ideo. as substitute for  C 10, in  var. ² ³ *mr* 'truth'; in the adjective  *mr* 'true' and related words  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-nr* *Mr*.
- 6*  feather as found in hieratic¹ 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 *Mr*, ib. ii. no. 236.
- 7  claw Phon. *š* in ¹ *št*² '(the land) Shat'.
- ¹ Urk. iv. 618, 1. ² Reading, AZ. 13, 12; Sphinx 1, 256. The sign occurs also as det. of *šft* '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* (*šwht*)² 'egg'. The hieratic contraction³ of  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 ⁵ *prt* 'patricians', 'mankind'  is perhaps derived from an earlier sign for a clod of earth.⁶
- 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.

I 1  lizard

Det. in  ¹ *hnt:sw* 'lizard';  ² *ʕʕ(j)* 'lizard'.
From the latter, phon. *ʕʕ* in  var.  var. Pyr.
 ³ *ʕʕ* 'many' and the related words.

¹ *Eb.* 98, 9.² Ramesseum medical papyrus, unpublished.³ *Pyr.* 1146.2  freshwater turtle

Ideo. or det. in  ¹ var.  ² *ʕtyw* ³ 'turtle'.

¹ *Eb.* 57, 6.² *Eb.* 86, 12.³ Writings with *ʕ* are all late.3  crocodile

Ideo. or det. crocodile, exx.  *msḥ* (*mzḥ*) 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 *ḥm* 'voracious (?)
spirit'; aggression, in  ⁶ *ʕd* '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. AL.* i. p. 258, 12.⁷ It is just conceivable that by M.K.⁸ *ʕd* had already become *ʕt*, giving rise to the value *it*.⁸ *Sh. S.* 24; *Pt.* 7.5*  archaic stone (?) image
of a crocodile ¹

Ideo. or det. in  ² var.  ³ *Sbk* (*ʕbk*) '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.  *Sbk* (*ʕbk*) '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 *sḥk* (*ʕḥk*) 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 ideogram for  *whm*
cnḥ '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. AL.* 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'égyptologie*, VII. ¹ SETHE, *Alphabet* 152; cf. the epithet *Dw-ftt*, *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'égyptologie*, 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. *Widyt* 'Edjō'. See *AZ.* 55, 89; SETHE, *Alphabet* 157.
- 11  two cobras  I 10 Phon. *dd*, ex.  ¹ *wddt* 'what had been commanded'.
¹ *Siut* 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 *irt* 'uraeus'. Det. goddesses, especially those to whom the appearance of a snake was attributed, exx.  *Wsdyt* 'Edjō'^{1a};  ² *Nsrt* (*Nzrt*)³ 'the goddess Nesret'.
¹ *ERM. Hymn.* 4, 4; see *AZ.* 46, 102; the *ὄψασις* 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 *Wsd(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  ¹ snake Det. snake, exx.  ² *hfrw* '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 *bulṭi*)¹ Det. in  ² var.  ³ *int* 'the *bulṭi*-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  ¹ 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 *bûri*) ² Det. in  ³ *rdw* 'the *bûri*-fish'. Hence phon. *rd* (*rd*?) in the title  ⁴ *rd* (?) -*mr*, var.  ⁵ *rd-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; 11, 10. ⁵ *Urk.* iv. 952, 13. The writing *rd* 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 *Ti* 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 *Siut* 3, 5.
- 5**  ¹ a fish (*Petrocephalus bane*) ² Phon. det. *bs* (*bz*) in  ³ *bs*, var. O.K.  ⁴ *ibz*, 'introduce', 'enter'. A very similar fish is used as generic det. fish, ex.  ⁵ *rmw* 'fish'; fishy smell, ex.  ⁶ *hns* 'stink'.
¹ Ex. *Rekh.* 10. ² GAILLARD 17. The characteristics are shown in earlier forms, *Bull.* 11, 41. ³ *Urk.* i. 87, 17. ⁴ *Urk.* iv. 954, 7. ⁵ *Hearst* 2, 17.
- 7**  a fish (*Tetrodon fahaka*) ¹ Det. of  ² *špt* 'be discontented'.
¹ GAILLARD 97. ² Brit. Mus. 159.
- 6**  ¹ fish-scale (also written ) Ideo. or det. in  ² 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 *hpr* 'dung-beetle'. Hence phon. *hpr* in  var. Pyr.  ³ *hpr* 'become' and derivatives.
¹ *Eb.* 88, 13. ² *Pyr.* 697. ³ *Pyr.* 212.
- 2**  bee Ideo. in  ¹ *bit* 'bee'; also in  ² *bit* '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, *ÄZ.* 30, 113. ⁴ *Pyr.* 724.
- 3**  ¹ fly Det. in  ² *ff* '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 *ÄZ.* 48, 143.
- 4**  ¹ common locust (*Acridium peregrinum*) Det. in  ² *snhm* (Pyr. *znhm* ²) 'locust'.
¹ SCHIAPARELLI, *Relazione . . . lavori d. Miss. Arch.* ii. p. 171, fig. 156. ² *Pyr.* 891.

L 5  centipedeDet. in  ¹ *spj* (Pyr. *zpj* ²) 'centipede'.¹ *ÄZ.* 58, 82. ² *Pyr.* 669.6  bivalve shell ¹For unknown reason, phon. *hst*, in M.E. only in  ² *hst*, var. ³ *hwt* '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 *Siut* 1, 240.7  ¹ scorpion (modified for superstitious reasons) ²Ideo. in  *Srkt* 'the scorpion-goddess Serket', full name in Pyr.   ³ *Srkt-hwt* 'she-who-relieves-the-wind-pipe'.¹ *Exx. Sinai* 85. 143; *Five Th. T.* 9. ² *ÄZ.* 51, 49. 57. ³ *Pyr.* 606; see *PSBA.* 39, 34.

Sect. M. Trees and Plants

M 1  treeDet. tree, exx.  *nht* 'sycamore-fig', 'tree', plur. often  ¹ *nhwt*;  ² *mnw* 'trees';  *nbs* 'Christ's thorn-tree', 'nebk-tree';  ³ *im*, varr. *Pyr.*  ⁴ *im*,  ⁵ *im*,  ⁶ *im(s)*, unidentified tree. From this last, phon. *im*, *im*—writings with  are best transcribed *im* (cf. § 19, OBS. 1)—exx.  ⁷ *imt* 'charm', 'favour';  ⁸ *im(w)* 'tent'. The rather similar sign which serves as det. in  ⁹ *mr* '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., *Gabr.*ii. 13; M.K., *Siut* 3, 8; later the det. of *mr* resembles V 29, see on this.2  herbDet. plant, flower, exx.      *isrw* 'reeds';  *hrrt* 'flower'. From  ¹ *hni* 'rush', phon. *hn*, exx.  *hnw* 'vessel';  *hnskt* 'lock' (of hair). Det. in  ² *isi* 'be light' (perhaps like  *isw* 'reeds'); hence phon. det. *is*, exx.  ³ *isy*, var. O.K.  ⁴ *iz*, 'tomb', 'chamber';  ⁵ *iswt* 'old times'. From  *i* 'reed' (see on M 17) rarely as sportive writing for *i* 'I', 'my' ⁶; hence also for  as det., ex.  ⁷ *s* 'man'. From Dyn. XVIII on sometimes as faulty transcription of hieratic  T 24 in  ⁸ *ihwtj* '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  *ht* 'wood', 'tree'; hence phon. *ht*, exx.  *htyrw* 'terrace';  *nht* 'strong'. Det. wood, ex.  *hbnj* 'ebony'; wooden objects, exx.  *wbz* 'column';  *knw* '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. *dr mw* 'spear fish', *P. Kah.* 33, 16. ⁶ *Pyr.* 1105 in *drbw* 'curly'.

4  palm-branch stripped of leaves and notched (rare var. ¹) to serve as tally^{1a}

Det. in  *rnpi* 'be young', 'vigorous'. Hence *rnpi* in  var. *Pyr.*  *rnpt* 'year', with  ideographically as symbol; with similar sense ideo. in  *hst-sp* 'regnal year' (p. 204) and in  *snf* (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  M 5 or  M 6. Elsewhere also  is an occasional substitute for  M 5,  M 6, or  M 7.³

¹ *BH.* i. 8. ^{1a} *JEA.* 34, 119, cf. HORAPOLLO I, 3 *φοίνικα*; in pictorial representations always with many notches, e.g. *JEA.* 4, Pl. 4; 30, Pl. 4; MORET, *Royaume Pharaonique*, figs. 17. 18. 19. ^{1b} *Pyr.* 965, as designation of Sothis; Coptic *rompt* 'year'. ^{1c} *Adm.* p. 102. ² Written *trw*, *Urk.* iv. 195, 4. ³ In *ptr* 'see', *Siut* 1, 220; Cairo 20538, i. c 3; *rnpt* 'vegetables', 'fruit', *ib.* ii. c 25.

5  combination of  M 4 and  X 1

With sportive ideographic intention (palm-branch planted in  in *Pyr.*  *tr*, var.  *t(i)*, 'season'.¹ Hence  (see on M 4 for ) becomes in M.E. characteristic det. in  *tr* abbrev.  *tr* 'season'. However,  M 6 is a commoner substitute for , though  interchanges with  in some uses really belonging only to the latter, exx.  *pr* 'battlefield';  *T3-mri* 'Ta-meri', i.e. Egypt.

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

6  combination of  M 4 and  D 21

With sportive ideographic intention in *Pyr.*  *tr* 'season'. In M.E. det. in  abbrev.  *tr* 'season'. Hence phon. det. *tr*, *ti*, exx.  *tr* 'pray' (§ 256);  *htr* 'assess' (taxes); also phon. det. *ri*, exx.  *pr* '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. (*Pt*)-*ti-mri* is Πτ(μ)ρις in a fragm. of Ephorus, there wrongly given as a name of the Delta only, GARD. *Sin.* 81.

- M 7**  combination of  M 4 and  Q 3 With sportive ideographic intention in Pyr.  *rnpi* 'be young', 'vigorous'.¹ Hence, in M.E., ideo. or det. in    ² var.  ³ *rnpi* 'be young' and derivatives.
¹ SETHE, *Pyramidentexte* iv. § 132. ² *Amarn.* v. 27, Q 11. 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  ¹ var. Pyr.  ² *š* 'lotus pool', 'meadow'. Hence phon. *š*, exx.  *š* 'appoint', 'command';  *šd* 'dig'. In group-writing (§ 60)  or  is used for *š*.³ From Pyr.  ⁴ *iš* 'be inundated', ideo. or semi-ideo. in  var. var. O.K. ⁵ *št* ⁶ 'inundation season' (p. 203).
¹ *Exx. Rec.* 24, 180, where the reading *iš* 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 *nḥbt* 'lotus bud'.
¹ Thebes, tomb 55. ² *Urk.* iv. 918, 12.
- 11**  flower on long twisting stalk ¹ Ideo. or det. in  ² var.  ³ *wdn* 'offer'. In late Dyn. XVIII also erroneously in place of  F 46 as det. in  ⁴ *w(š)dbw* 'shores'.
¹ *Hier.* p. 28. The forms in *Pyr.* do not suit this interpretation very well.
² *Puy.* 52. ³ *Urk.* iv. 452, 3. *Sim. Pyr.* 1127. ⁴ *Amarn.* iii. 20.
- 12**  leaf, stalk and rhizome of lotus ⁰ Ideo. in  ¹ *ḥsw nw sšn* 'lotus plants'. Hence phon. *ḥ*, exx.  *ḥ* 'thousand';  var.  ² *sh* 'remember'. In group-writing (§ 60)  or  is used for *ḥ*.³
⁰ *Ann.* 48, 92. ¹ *Eb.* 43, 6. ² *Siut* 1, 267. ³ BURCHARDT, § 100.
- 13**  stem of papyrus Ideo. in  ¹ *wšd* 'papyrus column', cf. Pyr.  ² *wšd* 'papyrus'. Hence phon. *wšd* in  var. Pyr.  ³ *wšd* 'be green' and derivatives. From M.K., phon. *w(š)d* as substitute for  V 24, exx.  ⁴ *sw(š)d*, older var.  *swd*, 'hand over', 'bequeath';  ⁵ *w(š)dḥ*, var. Pyr. ⁶ *wdḥ*, '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  I M 13 and  I 10 Phon. *wšd*, *w(š)d*, exx.  ¹ *Wšd-wr* 'the sea', lit. 'the great green';  ² *sw(š)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);  ¹ *dyt* 'papyrus-marsh'. Phon. det. *wsh* in  ² *wsh(y)* 'hall of the Inundation' from the Pyr. stem  ³ *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.  *Ti-mhw* 'Lower Egypt', 'the Delta',⁴ whence ⁵ *mh-s* 'the crown of Lower Egypt'.

¹ *Bull. Metr. Mus. New York*, 1914, 219.² *ÄZ.* 40, 48.³ *Pyr.* 280.^{3a} Coffins, S 2 C 207.^{3b} *ERM. Hymn.* 15, 1.^{3c} *Pyr.* 2190; withoutinversion, *JEA.* 24, Pl. II, 3. 6.^{3d} See, however, *JEA.* 30, 54, n. 3.⁴ *ÄZ.* 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 *Ti-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 *Ti-mhw* 'the Delta';  ⁶ *mh-s* 'crown of Lower Egypt'.

¹ *Brit. Mus.* 562, qu. § 364.² BURCHARDT § 94.³ *Urk.* i. 64, 8; 101, 11.⁴ *ÄZ.* 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  *y* see § 20.² In group-writing (§ 60)  corresponds to Hebr. י,  to נ.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  *ii* 'come' and the related words.

- 19  heaped conical cakes between reed  M 17 and sign like  U 36⁰ Det. in  ¹ abbrev.  ² *rsbt* 'offering', 'pile of offerings' and the related verb.³

⁰ *DAV. Rek.* 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 *sht* (*sht*) 'marshland', 'country' and its derivative  ² *shty* 'peasant'. Occasionally phon. *sm* (*sm*) like  M 21, ex.  ² *sm* 'occupation', 'pastime'.

¹ *Pyr.* 275.² *Urk.* iv. 462, 13. Sim. *sm* 'succour', *Dend.* 15, 15.

- 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 shoots⁰ 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);  *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  *nsrw* (*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 *smfsw* 'elder'; also from other words cited *Wb.* iv. 60, 2; 65, 13; 74, 2; cf. too the exceptional writing of *swsh* 'make broad', *Ikhern.* 24. ³ *AZ.* 49, 15; *Rec.* 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.  *rsyw* 'southerners', or for words connected with  *šmrw* 'Upper Egypt', ex.  *it šmr* '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 ¹ var. ² *Šmꜣw* 'Upper Egypt', the reading of which is given by ³ var. O.K. ⁴ *šmꜣ* 'make music'. Hence phon. *šmꜣ* in ⁵ *šmꜣyt* 'chantress', 'singer'.
⁰ See above, p. 73, n. 10. Depicted as a desert plant, JÉQUIER, *Monument funéraire de Pepi II*, 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 *Šmꜣ(w)* 'Upper Egypt'. Also phon. *šmꜣ* in ² *šmꜣyt* '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 *wr mꜣw Šmꜣ(w)* 'greatest of the tens of Upper Egypt'.¹
¹ *AZ.* 44, 18; *SETHE, Zahlworte* 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 *šsd* or ⁶ *šsdm*.
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 KEIMER, *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  *it Mh* 'Lower Egyptian corn' and  *it Šmꜣ* 'Upper Egyptian corn'.² Det. corn, ex. ³ *Npri* '(the grain-god) Nepri'.
¹ Compare *Pyr.* 1748 with *ib.* 1950. ² *AZ.* 44, 19. ³ *Mill.* 2, 12.
- 34  bearded ear of emmer
Ideo. or det. in  *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 *hrw* 'heaps'; also in ² *wbn* 'overflow'.
¹ *D. el B.* 79. Sim. *ib.* 74. ² *Puy.* 36.

- M36**  bundle of flax stems showing the bolls⁰ (sometimes misinterpreted¹)
Phon. *dr*,² exx.  *dr* 'since' (§ 176);  *ndri* 'hold fast'.
Det. in  *dms* 'bind together'.
⁰ See the picture *Paheri* 3. ¹ Dyn. XII, *Meir* ii. 17, no. 30. ² Reading, *Pyr.* 582 (*drt* 'hand'). ³ *Urk.* iv. 612, 15, but rather different from *dr*, *ib.* 9.
- 37 ¹ bundle of flax stems (O.K. form of  M 36)
Phon. *dr* like  M 36.
¹ Exx. Dyn. V, *Sah.* 28; *Gemn.* i. 13; Dyn. XII, *Meir* ii. 17, no. 28.
- 38 ¹ bundle of flax (O.K.; specialized variant of  M 37)
Det. in O.K.  *mhr* (?),² var. Dyn. XII ³ *mhr* (?), *mh* (?), 'flax' and in ⁴ *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 ¹ basket of fruit or grain
Det. vegetable offerings, ex.  *rnpt* 'vegetables', 'fruit'.
¹ Exx. O.K., *Medum* 16 (*djb* 'figs'); Dyn. XVIII, *D. el B.* 93 (*rnpt*, *hnkt*).
- 40 ¹ bundle of reeds
Cf.  *isw* 'reeds'. Hence phon. *is* (*iz*), exx.  *is* (*iz*)³ 'tomb';  *iswt* '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');  *wen* '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. ² *wndw* 'short-horned cattle'; ³ *hwn* 'be young'; ⁴ var. ⁵ *wnm* 'eat'. Not distinguished from  Z 11 in the earliest hieratic, and replaced by the latter sign in M.K. hieratic,⁶ 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 ¹ vine on props (var. )
Det. vine in ² *i(r)r(r)t*, var. O.K. ³ *isrrt*, 'vine'; various notions connected with the vine, exx. ⁴ var. ⁴ *irp* 'wine'; ⁵ var. ⁶ *kmy* 'gardener'; fruit generally, exx. ⁷ *djb* 'figs'; ⁸ *isd* 'isd-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 ¹ thorn¹
Det. in ² *srt* 'thorn'. Possibly it is the same sign, if not a mere triangle, which serves as ideo. or det. in  var. ³ *spd* (*špd*)⁴ '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  *h̄i* '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 ,^{6a} namely in  *rwty* 'the double gate' and in  *ht*, var.  *hyt*, var. O.K.  *ht*, 'portal', whence the title  *smšw 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  sky with a broken (?)
wšs-sceptre  S 40(?)
 suspended from it
 (Dyn. XVIII)

Det. night, exx.  abbrev.  *grh* 'night';  *wb*
 'night'; darkness, exx.  *kkw* 'darkness';  *h̄w*
 'dusk'.

¹ Thebes, tomb 93.² Cairo 20738, b.³ Sint 3, 10, qu. § 212.⁴ Sin. B 254.

3  O.K. form of last

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.  *idt*, var.  abbrev.
 *idt*, 'dew';  *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';  *wrs* 'spend all day'; time
 generally,¹ exx.  *wnwt* 'hour';  *h̄w* 'period';
 *(n)h̄h* 'eternity'. For  see N 23.

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

Sign-list

EGYPTIAN GRAMMAR

- N 6  sun with uraeus (Dyn. XVIII) Ideo. or det. in ¹ var. ² *rr* 'sun'.
¹ Westc. 11, 5. ² Ex. p. 291.
- 7  combination of  N 5 and  T 28 Abbrev.¹ for  *hrt-hrw* 'day-time', 'course (of day)', 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';  var. ⁴ *wbn* 'rise'. From this last, phon. *wbn* in ⁵ var. ⁶ *wbnw* 'wound'. Phon. *hnmmt* in ⁷ var. ⁸ var. Pyr. ⁹ *hnmmt* '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 half obscured (Dyn. XVIII)¹ Ideo. or det. in ² *psdntyw*, varr. ³ ⁴ *psdn*, var. Pyr. ⁵ *psdtyw*, 'New-moon festival'. Hence phon. det. *psd* in ⁶ *psdt* '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 (Dyn. XVIII)¹ Use as last.
¹ MÖLL. *Pal.* ii. no. 573.
- 11  crescent moon (also vertically)¹ or (² when used as det.) Ideo. or det. in  varr. , *ih* 'moon'; hence phon. det. or abbrev. in ³ var. ⁴ *wrh* 'carob beans'. Combined with  N 14, ideo. in  var.  *ibd* 'month'; for the reading cf. an O.K. personal name ⁵ *ibdw* and Šaʿdic *ebōt* 'month'; in dates abbreviated as , ex.  *ibd 3* 'month 3' (§ 264). In  abbrev.  *šsp* '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 *ibd* is retained *ib.* i. 65.
⁶ MÖLL. *Pal.* i. no. 680; ii. no. 680. ⁷ *Paheri* 5, row 3.
- 12  alternative form of last (Dyn. XVIII) In ¹ varr. ² ³ *ih* 'moon'.
¹ *Urk.* iv. 808, 4. ² *Urk.* iv. 12, 15; 14, 7. ³ *Urk.* iv. 30, 4. 13.
- 13  combination of half of  N 11 and  N 14 Ideo. in ¹ var. ² . . . *nt*³ 'half-month festival'.
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 𐀀★ var. ★ *sbz*, var. Pyr. 𐀀𐀁★¹ *sbz*, 'star'; hence phon. or phon. det. *sbz* (*sbz*), exx. 𐀀★𐀁 var. ★𐀁 *sbz* 'teach' (with derivatives); 𐀀★𐀁 *sbz* 'door'. Det. star, constellation, exx. 𐀀𐀁𐀂𐀃𐀄𐀅𐀆𐀇𐀈𐀉𐀊𐀋𐀌𐀍𐀎𐀏𐀐𐀑𐀒𐀓𐀔𐀕𐀖𐀗𐀘𐀙𐀚𐀛𐀜𐀝𐀞𐀟𐀠𐀡𐀢𐀣𐀤𐀥𐀦𐀧𐀨𐀩𐀪𐀫𐀬𐀭𐀮𐀯𐀰𐀱𐀲𐀳𐀴𐀵𐀶𐀷𐀸𐀹𐀺𐀻𐀼𐀽𐀾𐀿𐁀𐁁𐁂𐁃𐁄𐁅𐁆𐁇𐁈𐁉𐁊𐁋𐁌𐁍𐁎𐁏𐁐𐁑𐁒𐁓𐁔𐁕𐁖𐁗𐁘𐁙𐁚𐁛𐁜𐁝𐁞𐁟𐁠𐁡𐁢𐁣𐁤𐁥𐁦𐁧𐁨𐁩𐁪𐁫𐁬𐁭𐁮𐁯𐁰𐁱𐁲𐁳𐁴𐁵𐁶𐁷𐁸𐁹𐁺𐁻𐁼𐁽𐁾𐁿𐂀𐂁𐂂𐂃𐂄𐂅𐂆𐂇𐂈𐂉𐂊𐂋𐂌𐂍𐂎𐂏𐂐𐂑𐂒𐂓𐂔𐂕𐂖𐂗𐂘𐂙𐂚𐂛𐂜𐂝𐂞𐂟𐂠𐂡𐂢𐂣𐂤𐂥𐂦𐂧𐂨𐂩𐂪𐂫𐂬𐂭𐂮𐂯𐂰𐂱𐂲𐂳𐂴𐂵𐂶𐂷𐂸𐂹𐂺𐂻𐂼𐂽𐂾𐂿𐃀𐃁𐃂𐃃𐃄𐃅𐃆𐃇𐃈𐃉𐃊𐃋𐃌𐃍𐃎𐃏𐃐𐃑𐃒𐃓𐃔𐃕𐃖𐃗𐃘𐃙𐃚𐃛𐃜𐃝𐃞𐃟𐃠𐃡𐃢𐃣𐃤𐃥𐃦𐃧𐃨𐃩𐃪𐃫𐃬𐃭𐃮𐃯𐃰𐃱𐃲𐃳𐃴𐃵𐃶𐃷𐃸𐃹𐃺𐃻𐃼𐃽𐃾𐃿𐄀𐄁𐄂𐄃𐄄𐄅𐄆𐄇𐄈𐄉𐄊𐄋𐄌𐄍𐄎𐄏𐄐𐄑𐄒𐄓𐄔𐄕𐄖𐄗𐄘𐄙𐄚𐄛𐄜𐄝𐄞𐄟𐄠𐄡𐄢𐄣𐄤𐄥𐄦𐄧𐄨𐄩𐄪𐄫𐄬𐄭𐄮𐄯𐄰𐄱𐄲𐄳𐄴𐄵𐄶𐄷𐄸𐄹𐄺𐄻𐄼𐄽𐄾𐄿𐅀𐅁𐅂𐅃𐅄𐅅𐅆𐅇𐅈𐅉𐅊𐅋𐅌𐅍𐅎𐅏𐅐𐅑𐅒𐅓𐅔𐅕𐅖𐅗𐅘𐅙𐅚𐅛𐅜𐅝𐅞𐅟𐅠𐅡𐅢𐅣𐅤𐅥𐅦𐅧𐅨𐅩𐅪𐅫𐅬𐅭𐅮𐅯𐅰𐅱𐅲𐅳𐅴𐅵𐅶𐅷𐅸𐅹𐅺𐅻𐅼𐅽𐅾𐅿𐆀𐆁𐆂𐆃𐆄𐆅𐆆𐆇𐆈𐆉𐆊𐆋𐆌𐆍𐆎𐆏𐆐𐆑𐆒𐆓𐆔𐆕𐆖𐆗𐆘𐆙𐆚𐆛𐆜𐆝𐆞𐆟𐆠𐆡𐆢𐆣𐆤𐆥𐆦𐆧𐆨𐆩𐆪𐆫𐆬𐆭𐆮𐆯𐆰𐆱𐆲𐆳𐆴𐆵𐆶𐆷𐆸𐆹𐆺𐆻𐆼𐆽𐆾𐆿𐇀𐇁𐇂𐇃𐇄𐇅𐇆𐇇𐇈𐇉𐇊𐇋𐇌𐇍𐇎𐇏𐇐𐇑𐇒𐇓𐇔𐇕𐇖𐇗𐇘𐇙𐇚𐇛𐇜𐇝𐇞𐇟𐇠𐇡𐇢𐇣𐇤𐇥𐇦𐇧𐇨𐇩𐇪𐇫𐇬𐇭𐇮𐇯𐇰𐇱𐇲𐇳𐇴𐇵𐇶𐇷𐇸𐇹𐇺𐇻𐇼𐇽𐇾𐇿𐈀𐈁𐈂𐈃𐈄𐈅𐈆𐈇𐈈𐈉𐈊𐈋𐈌𐈍𐈎𐈏𐈐𐈑𐈒𐈓𐈔𐈕𐈖𐈗𐈘𐈙𐈚𐈛𐈜𐈝𐈞𐈟𐈠𐈡𐈢𐈣𐈤𐈥𐈦𐈧𐈨𐈩𐈪𐈫𐈬𐈭𐈮𐈯𐈰𐈱𐈲𐈳𐈴𐈵𐈶𐈷𐈸𐈹𐈺𐈻𐈼𐈽𐈾𐈿𐉀𐉁𐉂𐉃𐉄𐉅𐉆𐉇𐉈𐉉𐉊𐉋𐉌𐉍𐉎𐉏𐉐𐉑𐉒𐉓𐉔𐉕𐉖𐉗𐉘𐉙𐉚𐉛𐉜𐉝𐉞𐉟𐉠𐉡𐉢𐉣𐉤𐉥𐉦𐉧𐉨𐉩𐉪𐉫𐉬𐉭𐉮𐉯𐉰𐉱𐉲𐉳𐉴𐉵𐉶𐉷𐉸𐉹𐉺𐉻𐉼𐉽𐉾𐉿𐊀𐊁𐊂𐊃𐊄𐊅𐊆𐊇𐊈𐊉𐊊𐊋𐊌𐊍𐊎𐊏𐊐𐊑𐊒𐊓𐊔𐊕𐊖𐊗𐊘𐊙𐊚𐊛𐊜𐊝𐊞𐊟𐊠𐊡𐊢𐊣𐊤𐊥𐊦𐊧𐊨𐊩𐊪𐊫𐊬𐊭𐊮𐊯𐊰𐊱𐊲𐊳𐊴𐊵𐊶𐊷𐊸𐊹𐊺𐊻𐊼𐊽𐊾𐊿𐋀𐋁𐋂𐋃𐋄𐋅𐋆𐋇𐋈𐋉𐋊𐋋𐋌𐋍𐋎𐋏𐋐𐋑𐋒𐋓𐋔𐋕𐋖𐋗𐋘𐋙𐋚𐋛𐋜𐋝𐋞𐋟𐋠𐋡𐋢𐋣𐋤𐋥𐋦𐋧𐋨𐋩𐋪𐋫𐋬𐋭𐋮𐋯𐋰𐋱𐋲𐋳𐋴𐋵𐋶𐋷𐋸𐋹𐋺𐋻𐋼𐋽𐋾𐋿𐌀𐌁𐌂𐌃𐌄𐌅𐌆𐌇𐌈𐌉𐌊𐌋𐌌𐌍𐌎𐌏𐌐𐌑𐌒𐌓𐌔𐌕𐌖𐌗𐌘𐌙𐌚𐌛𐌜𐌝𐌞𐌟𐌠𐌡𐌢𐌣𐌤𐌥𐌦𐌧𐌨𐌩𐌪𐌫𐌬𐌭𐌮𐌯𐌰𐌱𐌲𐌳𐌴𐌵𐌶𐌷𐌸𐌹𐌺𐌻𐌼𐌽𐌾𐌿𐍀𐍁𐍂𐍃𐍄𐍅𐍆𐍇𐍈𐍉𐍊𐍋𐍌𐍍𐍎𐍏𐍐𐍑𐍒𐍓𐍔𐍕𐍖𐍗𐍘𐍙𐍚𐍛𐍜𐍝𐍞𐍟𐍠𐍡𐍢𐍣𐍤𐍥𐍦𐍧𐍨𐍩𐍪𐍫𐍬𐍭𐍮𐍯𐍰𐍱𐍲𐍳𐍴𐍵𐍶𐍷𐍸𐍹𐍺𐍻𐍼𐍽𐍾𐍿𐎀𐎁𐎂𐎃𐎄𐎅𐎆𐎇𐎈𐎉𐎊𐎋𐎌𐎍𐎎𐎏𐎐𐎑𐎒𐎓𐎔𐎕𐎖𐎗𐎘𐎙𐎚𐎛𐎜𐎝𐎞𐎟𐎠𐎡𐎢𐎣𐎤𐎥𐎦𐎧𐎨𐎩𐎪𐎫𐎬𐎭𐎮𐎯𐎰𐎱𐎲𐎳𐎴𐎵𐎶𐎷𐎸𐎹𐎺𐎻𐎼𐎽𐎾𐎿𐏀𐏁𐏂𐏃𐏄𐏅𐏆𐏇𐏈𐏉𐏊𐏋𐏌𐏍𐏎𐏏𐏐𐏑𐏒𐏓𐏔𐏕𐏖𐏗𐏘𐏙𐏚𐏛𐏜𐏝𐏞𐏟𐏠𐏡𐏢𐏣𐏤𐏥𐏦𐏧𐏨𐏩𐏪𐏫𐏬𐏭𐏮𐏯𐏰𐏱𐏲𐏳𐏴𐏵𐏶𐏷𐏸𐏹𐏺𐏻𐏼𐏽𐏾𐏿𐐀𐐁𐐂𐐃𐐄𐐅𐐆𐐇𐐈𐐉𐐊𐐋𐐌𐐍𐐎𐐏𐐐𐐑𐐒𐐓𐐔𐐕𐐖𐐗𐐘𐐙𐐚𐐛𐐜𐐝𐐞𐐟𐐠𐐡𐐢𐐣𐐤𐐥𐐦𐐧𐐨𐐩𐐪𐐫𐐬𐐭𐐮𐐯𐐰𐐱𐐲𐐳𐐴𐐵𐐶𐐷𐐸𐐹𐐺𐐻𐐼𐐽𐐾𐐿𐑀𐑁𐑂𐑃𐑄𐑅𐑆𐑇𐑈𐑉𐑊𐑋𐑌𐑍𐑎𐑏𐑐𐑑𐑒𐑓𐑔𐑕𐑖𐑗𐑘𐑙𐑚𐑛𐑜𐑝𐑞𐑟𐑠𐑡𐑢𐑣𐑤𐑥𐑦𐑧𐑨𐑩𐑪𐑫𐑬𐑭𐑮𐑯𐑰𐑱𐑲𐑳𐑴𐑵𐑶𐑷𐑸𐑹𐑺𐑻𐑼𐑽𐑾𐑿𐒀𐒁𐒂𐒃𐒄𐒅𐒆𐒇𐒈𐒉𐒊𐒋𐒌𐒍𐒎𐒏𐒐𐒑𐒒𐒓𐒔𐒕𐒖𐒗𐒘𐒙𐒚𐒛𐒜𐒝𐒞𐒟𐒠𐒡𐒢𐒣𐒤𐒥𐒦𐒧𐒨𐒩𐒪𐒫𐒬𐒭𐒮𐒯𐒰𐒱𐒲𐒳𐒴𐒵𐒶𐒷𐒸𐒹𐒺𐒻𐒼𐒽𐒾𐒿𐓀𐓁𐓂𐓃𐓄𐓅𐓆𐓇𐓈𐓉𐓊𐓋𐓌𐓍𐓎𐓏𐓐𐓑𐓒𐓓𐓔𐓕𐓖𐓗𐓘𐓙𐓚𐓛𐓜𐓝𐓞𐓟𐓠𐓡𐓢𐓣𐓤𐓥𐓦𐓧𐓨𐓩𐓪𐓫𐓬𐓭𐓮𐓯𐓰𐓱𐓲𐓳𐓴𐓵𐓶𐓷𐓸𐓹𐓺𐓻𐓼𐓽𐓾𐓿𐔀𐔁𐔂𐔃𐔄𐔅𐔆𐔇𐔈𐔉𐔊𐔋𐔌𐔍𐔎𐔏𐔐𐔑𐔒𐔓𐔔𐔕𐔖𐔗𐔘𐔙𐔚𐔛𐔜𐔝𐔞𐔟𐔠𐔡𐔢𐔣𐔤𐔥𐔦𐔧𐔨𐔩𐔪𐔫𐔬𐔭𐔮𐔯𐔰𐔱𐔲𐔳𐔴𐔵𐔶𐔷𐔸𐔹𐔺𐔻𐔼𐔽𐔾𐔿𐕀𐕁𐕂𐕃𐕄𐕅𐕆𐕇𐕈𐕉𐕊𐕋𐕌𐕍𐕎𐕏𐕐𐕑𐕒𐕓𐕔𐕕𐕖𐕗𐕘𐕙𐕚𐕛𐕜𐕝𐕞𐕟𐕠𐕡𐕢𐕣𐕤𐕥𐕦𐕧𐕨𐕩𐕪𐕫𐕬𐕭𐕮𐕯𐕰𐕱𐕲𐕳𐕴𐕵𐕶𐕷𐕸𐕹𐕺𐕻𐕼𐕽𐕾𐕿𐖀𐖁𐖂𐖃𐖄𐖅𐖆𐖇𐖈𐖉𐖊𐖋𐖌𐖍𐖎𐖏𐖐𐖑𐖒𐖓𐖔𐖕𐖖𐖗𐖘𐖙𐖚𐖛𐖜𐖝𐖞𐖟𐖠𐖡𐖢𐖣𐖤𐖥𐖦𐖧𐖨𐖩𐖪𐖫𐖬𐖭𐖮𐖯𐖰𐖱𐖲𐖳𐖴𐖵𐖶𐖷𐖸𐖹𐖺𐖻𐖼𐖽𐖾𐖿𐗀𐗁𐗂𐗃𐗄𐗅𐗆𐗇𐗈𐗉𐗊𐗋𐗌𐗍𐗎𐗏𐗐𐗑𐗒𐗓𐗔𐗕𐗖𐗗𐗘𐗙𐗚𐗛𐗜𐗝𐗞𐗟𐗠𐗡𐗢𐗣𐗤𐗥𐗦𐗧𐗨𐗩𐗪𐗫𐗬𐗭𐗮𐗯𐗰𐗱𐗲𐗳𐗴𐗵𐗶𐗷𐗸𐗹𐗺𐗻𐗼𐗽𐗾𐗿𐘀𐘁𐘂𐘃𐘄𐘅𐘆𐘇𐘈𐘉𐘊𐘋𐘌𐘍𐘎𐘏𐘐𐘑𐘒𐘓𐘔𐘕𐘖𐘗𐘘𐘙𐘚𐘛𐘜𐘝𐘞𐘟𐘠𐘡𐘢𐘣𐘤𐘥𐘦𐘧𐘨𐘩𐘪𐘫𐘬𐘭𐘮𐘯𐘰𐘱𐘲𐘳𐘴𐘵𐘶𐘷𐘸𐘹𐘺𐘻𐘼𐘽𐘾𐘿𐙀𐙁𐙂𐙃𐙄𐙅𐙆𐙇𐙈𐙉𐙊𐙋𐙌𐙍𐙎𐙏𐙐𐙑𐙒𐙓𐙔𐙕𐙖𐙗𐙘𐙙𐙚𐙛𐙜𐙝𐙞𐙟𐙠𐙡𐙢𐙣𐙤𐙥𐙦𐙧𐙨𐙩𐙪𐙫𐙬𐙭𐙮𐙯𐙰𐙱𐙲𐙳𐙴𐙵𐙶𐙷𐙸𐙹𐙺𐙻𐙼𐙽𐙾𐙿𐚀𐚁𐚂𐚃𐚄𐚅𐚆𐚇𐚈𐚉𐚊𐚋𐚌𐚍𐚎𐚏𐚐𐚑𐚒𐚓𐚔𐚕𐚖𐚗𐚘𐚙𐚚𐚛𐚜𐚝𐚞𐚟𐚠𐚡𐚢𐚣𐚤𐚥𐚦𐚧𐚨𐚩𐚪𐚫𐚬𐚭𐚮𐚯𐚰𐚱𐚲𐚳𐚴𐚵𐚶𐚷𐚸𐚹𐚺𐚻𐚼𐚽𐚾𐚿𐛀𐛁𐛂𐛃𐛄𐛅𐛆𐛇𐛈𐛉𐛊𐛋𐛌𐛍𐛎𐛏𐛐𐛑𐛒𐛓𐛔𐛕𐛖𐛗𐛘𐛙𐛚𐛛𐛜𐛝𐛞𐛟𐛠𐛡𐛢𐛣𐛤𐛥𐛦𐛧𐛨𐛩𐛪𐛫𐛬𐛭𐛮𐛯𐛰𐛱𐛲𐛳𐛴𐛵𐛶𐛷𐛸𐛹𐛺𐛻𐛼𐛽𐛾𐛿𐜀𐜁𐜂𐜃𐜄𐜅𐜆𐜇𐜈𐜉𐜊𐜋𐜌𐜍𐜎𐜏𐜐𐜑𐜒𐜓𐜔𐜕𐜖𐜗𐜘𐜙𐜚𐜛𐜜𐜝𐜞𐜟𐜠𐜡𐜢𐜣𐜤𐜥𐜦𐜧𐜨𐜩𐜪𐜫𐜬𐜭𐜮𐜯𐜰𐜱𐜲𐜳𐜴𐜵𐜶𐜷𐜸𐜹𐜺𐜻𐜼𐜽𐜾𐜿𐝀𐝁𐝂𐝃𐝄𐝅𐝆𐝇𐝈𐝉𐝊𐝋𐝌𐝍𐝎𐝏𐝐𐝑𐝒𐝓𐝔𐝕𐝖𐝗𐝘𐝙𐝚𐝛𐝜𐝝𐝞𐝟𐝠𐝡𐝢𐝣𐝤𐝥𐝦𐝧𐝨𐝩𐝪𐝫𐝬𐝭𐝮𐝯𐝰𐝱𐝲𐝳𐝴𐝵𐝶𐝷𐝸𐝹𐝺𐝻𐝼𐝽𐝾𐝿𐞀𐞁𐞂𐞃𐞄𐞅𐞆𐞇𐞈𐞉𐞊𐞋𐞌𐞍𐞎𐞏𐞐𐞑𐞒𐞓𐞔𐞕𐞖𐞗𐞘𐞙𐞚𐞛𐞜𐞝𐞞𐞟𐞠𐞡𐞢𐞣𐞤𐞥𐞦𐞧𐞨𐞩𐞪𐞫𐞬𐞭𐞮𐞯𐞰𐞱𐞲𐞳𐞴𐞵𐞶𐞷𐞸𐞹𐞺𐞻𐞼𐞽𐞾𐞿𐟀𐟁𐟂𐟃𐟄𐟅𐟆𐟇𐟈𐟉𐟊𐟋𐟌𐟍𐟎𐟏𐟐𐟑𐟒𐟓𐟔𐟕𐟖𐟗𐟘𐟙𐟚𐟛𐟜𐟝𐟞𐟟𐟠𐟡𐟢𐟣𐟤𐟥𐟦𐟧𐟨𐟩𐟪𐟫𐟬𐟭𐟮𐟯𐟰𐟱𐟲𐟳𐟴𐟵𐟶𐟷𐟸𐟹𐟺𐟻𐟼𐟽𐟾𐟿𐠀𐠁𐠂𐠃𐠄𐠅𐠆𐠇𐠈𐠉𐠊𐠋𐠌𐠍𐠎𐠏𐠐𐠑𐠒𐠓𐠔𐠕𐠖𐠗𐠘𐠙𐠚𐠛𐠜𐠝𐠞𐠟𐠠𐠡𐠢𐠣𐠤𐠥𐠦𐠧𐠨𐠩𐠪𐠫𐠬𐠭𐠮𐠯𐠰𐠱𐠲𐠳𐠴𐠵𐠶𐠷𐠸𐠹𐠺𐠻𐠼𐠽𐠾𐠿𐡀𐡁𐡂𐡃𐡄𐡅𐡆𐡇𐡈𐡉𐡊𐡋𐡌𐡍𐡎𐡏𐡐𐡑𐡒𐡓𐡔𐡕𐡖𐡗𐡘𐡙𐡚𐡛𐡜𐡝𐡞𐡟𐡠𐡡𐡢𐡣𐡤𐡥𐡦𐡧𐡨𐡩𐡪𐡫𐡬𐡭𐡮𐡯𐡰𐡱𐡲𐡳𐡴𐡵𐡶𐡷𐡸𐡹𐡺𐡻𐡼𐡽𐡾𐡿𐢀𐢁𐢂𐢃𐢄𐢅𐢆𐢇𐢈𐢉𐢊𐢋𐢌𐢍𐢎𐢏𐢐𐢑𐢒𐢓𐢔𐢕𐢖𐢗𐢘𐢙𐢚𐢛𐢜𐢝𐢞𐢟𐢠𐢡𐢢𐢣𐢤𐢥𐢦𐢧𐢨𐢩𐢪𐢫𐢬𐢭𐢮𐢯𐢰𐢱𐢲𐢳𐢴𐢵𐢶𐢷𐢸𐢹𐢺𐢻𐢼𐢽𐢾𐢿𐣀𐣁𐣂𐣃𐣄𐣅𐣆𐣇𐣈𐣉𐣊𐣋𐣌𐣍𐣎𐣏𐣐𐣑𐣒𐣓𐣔𐣕𐣖𐣗𐣘𐣙𐣚𐣛𐣜𐣝𐣞𐣟𐣠𐣡𐣢𐣣𐣤𐣥𐣦𐣧𐣨𐣩𐣪𐣫𐣬𐣭𐣮𐣯𐣰𐣱𐣲𐣳𐣴𐣵𐣶𐣷𐣸𐣹𐣺𐣻𐣼𐣽𐣾𐣿𐤀𐤁𐤂𐤃𐤄𐤅𐤆𐤇𐤈𐤉𐤊𐤋𐤌𐤍𐤎𐤏𐤐𐤑𐤒𐤓𐤔𐤕𐤖𐤗𐤘𐤙𐤚𐤛𐤜𐤝𐤞𐤟𐤠𐤡𐤢𐤣𐤤𐤥𐤦𐤧𐤨𐤩𐤪𐤫𐤬𐤭𐤮𐤯𐤰𐤱𐤲𐤳𐤴𐤵𐤶𐤷𐤸𐤹𐤺𐤻𐤼𐤽𐤾𐤿𐥀𐥁𐥂𐥃𐥄𐥅𐥆𐥇𐥈𐥉𐥊𐥋𐥌𐥍𐥎𐥏𐥐𐥑𐥒𐥓𐥔𐥕𐥖𐥗𐥘𐥙𐥚𐥛𐥜𐥝𐥞𐥟𐥠𐥡𐥢𐥣𐥤𐥥𐥦𐥧𐥨𐥩𐥪𐥫𐥬𐥭𐥮𐥯𐥰𐥱𐥲𐥳𐥴𐥵𐥶𐥷𐥸𐥹𐥺𐥻𐥼𐥽𐥾𐥿𐦀𐦁𐦂𐦃𐦄𐦅𐦆𐦇𐦈𐦉𐦊𐦋𐦌𐦍𐦎𐦏𐦐𐦑𐦒𐦓𐦔𐦕𐦖𐦗𐦘𐦙𐦚𐦛𐦜𐦝𐦞𐦟𐦠𐦡𐦢𐦣𐦤𐦥𐦦𐦧𐦨𐦩𐦪𐦫𐦬𐦭𐦮𐦯𐦰𐦱𐦲𐦳𐦴𐦵𐦶𐦷𐦸𐦹𐦺𐦻𐦼𐦽𐦾𐦿𐧀𐧁𐧂𐧃𐧄𐧅𐧆𐧇𐧈𐧉𐧊𐧋𐧌𐧍𐧎𐧏𐧐𐧑𐧒𐧓𐧔𐧕𐧖𐧗𐧘𐧙𐧚𐧛𐧜𐧝𐧞𐧟𐧠𐧡𐧢𐧣𐧤𐧥𐧦𐧧𐧨𐧩𐧪𐧫𐧬𐧭𐧮𐧯𐧰𐧱𐧲𐧳𐧴𐧵𐧶𐧷𐧸𐧹𐧺𐧻𐧼𐧽𐧾𐧿𐨀𐨁𐨂𐨃𐨄𐨅𐨆𐨇𐨈𐨉𐨊𐨋𐨌𐨍𐨎𐨏𐨐𐨑𐨒𐨓𐨔𐨕𐨖𐨗𐨘𐨙𐨚𐨛𐨜𐨝𐨞𐨟𐨠𐨡𐨢𐨣𐨤𐨥𐨦𐨧𐨨𐨩𐨪𐨫𐨬𐨭𐨮𐨯𐨰𐨱𐨲𐨳𐨴𐨵𐨶𐨷𐨹𐨺𐨸𐨻𐨼𐨽𐨾𐨿𐩀𐩁𐩂𐩃𐩄𐩅𐩆𐩇𐩈𐩉𐩊𐩋𐩌𐩍𐩎𐩏𐩐𐩑𐩒𐩓𐩔𐩕𐩖𐩗𐩘𐩙𐩚𐩛𐩜𐩝𐩞𐩟𐩠𐩡𐩢𐩣𐩤𐩥𐩦𐩧𐩨𐩩𐩪𐩫𐩬𐩭𐩮𐩯𐩰𐩱𐩲𐩳𐩴𐩵𐩶𐩷𐩸𐩹𐩺𐩻𐩼𐩽𐩾𐩿𐪀𐪁𐪂𐪃𐪄𐪅𐪆𐪇𐪈𐪉𐪊𐪋𐪌𐪍𐪎𐪏𐪐𐪑𐪒𐪓𐪔𐪕𐪖𐪗𐪘𐪙𐪚𐪛𐪜𐪝𐪞𐪟𐪠𐪡𐪢𐪣𐪤𐪥𐪦𐪧𐪨𐪩𐪪𐪫𐪬𐪭𐪮𐪯𐪰𐪱𐪲𐪳𐪴𐪵𐪶𐪷𐪸𐪹𐪺𐪻𐪼𐪽𐪾𐪿𐫀𐫁𐫂𐫃𐫄𐫅𐫆𐫇𐫈𐫉𐫊𐫋𐫌𐫍𐫎𐫏𐫐𐫑𐫒𐫓𐫔𐫕𐫖𐫗𐫘𐫙𐫚𐫛𐫜𐫝𐫞𐫟𐫠𐫡𐫢𐫣𐫤𐫦𐫥𐫧𐫨𐫩𐫪𐫫𐫬𐫭𐫮𐫯𐫰𐫱𐫲𐫳𐫴𐫵𐫶𐫷𐫸𐫹𐫺𐫻𐫼𐫽𐫾𐫿𐬀𐬁𐬂𐬃𐬄𐬅𐬆𐬇𐬈𐬉𐬊𐬋𐬌𐬍𐬎𐬏𐬐𐬑𐬒𐬓𐬔𐬕𐬖𐬗𐬘𐬙𐬚𐬛𐬜𐬝𐬞𐬟𐬠𐬡𐬢𐬣𐬤𐬥𐬦𐬧𐬨𐬩𐬪𐬫𐬬𐬭𐬮𐬯𐬰𐬱𐬲𐬳𐬴𐬵𐬶𐬷𐬸𐬹𐬺𐬻𐬼𐬽𐬾𐬿𐭀𐭁𐭂𐭃𐭄𐭅𐭆𐭇𐭈𐭉𐭊𐭋𐭌𐭍𐭎𐭏𐭐𐭑𐭒𐭓𐭔𐭕𐭖𐭗𐭘𐭙𐭚𐭛𐭜𐭝𐭞𐭟𐭠𐭡𐭢𐭣𐭤𐭥𐭦𐭧𐭨𐭩𐭪𐭫𐭬𐭭𐭮𐭯𐭰𐭱𐭲𐭳𐭴𐭵𐭶𐭷𐭸𐭹𐭺𐭻𐭼𐭽𐭾𐭿𐮀𐮁𐮂𐮃𐮄𐮅𐮆𐮇𐮈𐮉𐮊𐮋𐮌𐮍𐮎𐮏𐮐𐮑𐮒𐮓𐮔𐮕𐮖𐮗𐮘𐮙𐮚𐮛𐮜𐮝𐮞𐮟𐮠𐮡𐮢𐮣𐮤𐮥𐮦𐮧𐮨𐮩𐮪𐮫𐮬𐮭𐮮𐮯𐮰𐮱𐮲𐮳𐮴𐮵𐮶𐮷𐮸𐮹𐮺𐮻𐮼𐮽𐮾𐮿𐯀𐯁𐯂𐯃𐯄𐯅𐯆𐯇𐯈𐯉𐯊𐯋𐯌

N₂₀  tongue of land

Det. in  =¹ var. Pyr.  ² *wḏb* 'sand-bank', 'shore'. Hence phon. *wḏb* in  =³ var. Pyr.  =⁴ *wḏb* '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, *Hamn.* 63; Dyn. XII, *Kopt.* 9; Dyn. XVIII, *D. el B.* 37.21  tongue of land

Det. land, especially in  = abbrev.  = *idb* 'bank', 'region' (dual  *idbwy* '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';  ² *šht* 'fields';  ³ *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)

In *wḏb*, see O.K. varr. under N 20. Det. land, exx. Dyn. III  ² *ḥt* 'field';  ³ *šht* 'field'.

¹ Showing the sand, Munich, Inv. 204 (Abu Gurāb, Dyn. V). Sim. but reversed, DAV. *Plah.* i. 11, no. 219 = *Plah.* (E.R.A.) 31, in the title *ḥry wḏb*, like last.² Berl. *Äl.* i. p. 79, 8. 10.³ Berl. *Äl.* i. p. 93. Sim. *šht*, *Urk.* i. 12, 7.23  irrigation canal (Dyn. XI–XVIII; early identical with,¹ and clearly a mere differentiation of,  N 36)

Det. irrigated land, exx.  ² *ts* 'land';  ³ *tsš* 'boundary'; in Dyn. XVIII  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.  ³ *tr* 'season';  ⁴ *rk* 'time'.

¹ Dyn. XI, BISSING-BRUCKMANN, *Denkmäler* 33 A (*idbwy*); *Dend.* 11 A (*ts*).² *ÄZ.* 34, 28; *Rec.* 35, 80. ³ *Th. T. S.* ii. 12; *Meir* iii. 16 (*tr*). Sim. *JEA.*4, Pl. 8, 10 (*ḥtw*). ⁴ *BH.* i. 8, 19. Sim. Brit. Mus. 614, 3 (*ḥtw*).24  land marked out with irrigation runnels

Ideo. or det. in  varr.  ¹ *sp(š)t* (*špšt*) 'district', 'nome'; also in  ² *ḏstt* (?) 'estate'. Det. province, exx.  *Tš-wr* 'nome of Abydos';  *Šmṣw* 'Upper Egypt'; also garden, in  ³ *ḥsp* (Pyr. *ḥzp*)⁴ 'garden'.

¹ LAC. *Sarc.* ii. 132; the reading *špšt* is suggested also by some varr. of the place-name *Špš*, see *ÄZ.* 58, 81, n. 20; 82, n. 4. ² Reading, see on  Aa 8.³ *Mission* V 283.⁴ *Pyr.* 126.25  sandy hill-country over edge of green cultivation

Ideo. or det. in  var.  ¹ *ḥst* (*ḥšt*) 'hill-country', 'foreign land'. Det. desert, exx.  varr.  ² *smt* (*zmt*) 'desert', 'necropolis';  *ḥrt* 'upland tomb';  *šbtt* 'east'; also foreign countries, ex.  *Rtnw* 'Retjnu', 'Syria'. Ideo. in  var. Pyr.  ⁴ *Hš* ' (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 *šmy-r smwt ḥbtt*, 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  *dw*¹ 'mountain', plur.  *dw*². Hence phon. *dw*³ (later *dw*), exx.  *dw*⁴ 'call';  *3bdw* 'Abydos';  *wndw* 'short-horned cattle'.
¹ Coptic *toou*. The proposal to read *tpy myf* 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 *pdw*, *Pyr.* 1013; cf. *VoG. Bauer*, p. 70.
- 27**  sun rising over mountain
 Ideo. in  var. *Pyr.*  *ht*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*² 'hill of the sunrise' and in  *hr*³ 'appear in glory'. Hence phon. *hr*³ ex.  *hrm*, var.  *hrm*⁴ 'approach'.
¹ DE BUCK, *De egyptische voorstellingen betreffende den oerhevel*, 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.  var. *Pyr.*  *ks*² 'hill', 'height'. Hence phon. *k*.
¹ Exx. showing sand, *Meir* ii. 17, nos. 36. 37. ² *Pyr.* 1652.
- 30**  mound of earth with shrubs²
 Ideo. or det. in  var.  *ist* 'mound'.
¹ Exx. *Dyn. IV, Medum* 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);  *pf* 'that' (§ 110); distance, in  *hnty* 'period'. Abbrev. *hr* (see  *hrt* 'road' above) in  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. *w* in  *w r* 'fall into' a bad state.⁶
¹ Exx. O.K., *Medum* 9; *Sagg. Mast.* i. 39, no. 47. ² *Leyd. V 3* (in a proper name); *Cairo 20446, a.* ³ *Gebr.* 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.  *mshsh* '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)
- 34** ▯¹ ingot of metal (Dyn. XVIII; in Dyn. XI the sign resembles ▯ W 13;² in Dyn. III-V it resembles ○ X 3³)
- 35** ~~~~~ ripple of water (rarely vertically ▯)¹
- (35)** ~~~~~ three ripples
- Det. sand, in ▯¹, ²šy 'sand'; metal or mineral (often repeated ...), exx. ▯³ nbw 'gold'; ▯⁴ msdmt 'black eye-paint', 'koḥl'; medicaments, incense, etc. exx. ▯⁵ t¹ 'pellet'; ▯⁶ phrt 'medicine', 'prescription'. A sign of like appearance rarely takes the place of dangerous signs such as ▯ A 14 in religious documents, ex. ▯⁷ lftlyw 'enemies'; this practice dates from Pyr.⁸ Sometimes ... or : is substituted for the plural strokes ▯, ▯, exx. ▯⁹ gnwt 'annals'; ▯¹⁰ šsrw 'bags'.
¹ D. el B. 10. ² AZ. 51, 18. 63. ³ Urk. iv. 86, 3. ⁴ Urk. iv. 1143, 13.
- Ideo. in ▯¹, 'copper', early perhaps read *bīr* and later *hmt* (?).⁴ Det. objects of copper or bronze, exx. ▯⁵ enḥ 'mirror'; ▯⁶ hrw 'weapons'; ▯⁷ 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 *bīr* would be confirmed for early times if the compound word written with this sign JEA. 4, Pl. 9, l. 10 proved to be really *bīr-rwd*, the Coptic *barōt* 'copper'. The supposed later reading *hmt* (!) is based solely on Coptic *homent*, *homt*.
⁵ Urk. iv. 656, 2. ⁶ GARD. Sin. 51, 159.
- Cf. ▯¹ 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. ▯⁵ šht inr 'Field-of-Reeds'. In ▯⁶ dt 'serf' ▯ replaces the sign of land = N 17, a curious substitution (or error of transcription?) found also in Pyr.⁷
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 (it); 1713 (skr).
- Ideo. in ▯¹ mw¹ 'water'. Hence phon. *mw*, exx. ▯² šmw 'summer'; ▯³ var. ▯⁴ mww 'muu-dancers';⁵ ▯⁶ hdmw 'footstool'; phon. *m* in group-writing (§ 60), ex. ▯⁷ Ynm 'Yenoam', Palestinian place-name. Det. water, liquid, exx. ▯⁸ wrw 'wave'; ▯⁹ fdt 'sweat'; actions connected with water, exx. ▯¹⁰ iri 'wash'; ▯¹¹ sw(r)i 'drink'. The composite det. ▯ (in hieroglyphic also ▯) for rivers, lakes, seas comes into vogue in Dyn. XVIII, exx. ▯¹² itrw 'river'; ▯¹³ hnw 'brook'.
¹ Coptic *mow*. Cf. *mw* 'semen', phonetically Pyr. 123. ² GARD. Sin. 70.
³ Urk. iv. 744, 6. ⁴ DÉV. *Graphies*, no. 9. ⁵ Urk. iv. 655, 13. ⁶ Sim. ib. 3, 11.

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.  var.  *mist* 'liver';   *mihet* 'tomb'. Det. rivers, lakes, seas, exx.  *Wid-wr* 'the sea', lit. 'the great green';  *hcpy*, var. M.K.  *hp*, 'the inundation', here early interchanging with  N 37. For  (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 ⁷ varr. ⁸ ⁷ *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. ¹¹ *mr* 'friend(s)', 'partisans'.

¹ Detailed O.K., exx. Berl. *ÄI.* i. p. 80; DAV. *Plah.* i. 11, no. 218 (*cd-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  var.  *s* 'pool'. Hence phon. *s*.¹ Not seldom interchanging in hieroglyphic with  N 36, ex. ³ *hcpyw* 'inundations'. Appears to be a sign for irrigated land in ⁴ var. Dyn. III  (N 38) *stst* '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 ^{5a}, ^{5a}. Occasionally it serves as a large form of the block of stone  O 39, ex. ⁶ *inr* 'stone'.

¹ SETHE, *Alphabet* 155.

² Often in *mri* '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 *Hann.* 114, 14, qu. p. 392, n. 5 (*Wid-wr*). So too *Pyr.* 435. 564 (*H(c)p*); 802 (*Wid-wr*). ⁴ *Urk.* iv. 172, 1. ⁵ Berl. *ÄI.* i. p. 79, 13. ^{5a} For this and the possibly homophonous word for 'pass by' see GARD. *Sin.* 72. 160, as well as *Wb.* iii. 454.

⁶ *Puy.* 38. Sim. *Bersb.* i. 14, 2 (*stt*).

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. *Plah.* i. 11, no. 213; Dyn. XVIII, *Puy.* 20. 22; *D. el B.* 79. 81.

Use as  N 37.

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

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

41  well full of water¹

Det. well, ex. ² *hnmt* 'well'; pool, marsh, in ³ varr. ⁴, ⁵ O.K. ⁶ *phww*⁷ 'limits', 'distant marshlands'. 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. *bt*, exx.  *bt* 'copper';  *bt* 'firmament'; for the reading see  ¹¹ var.  ¹² *btw* '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. *šdw*, *Berl. ÄZ.* i. p. 71, cf. *ÄZ.* 42, 9. ³ *Urk.* iv. 138, 8. ⁴ *Puy.* 36.

⁵ *Urk.* iv. 587, 3. ⁶ MONTET 4. ⁷ The proposed reading *hww* reposed 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 ² *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';  *mehet* 'tomb'. Less suitably also in  *st* 'seat', 'place';  *nst* 'seat' of office;  *šht* 'horizon'.

¹ Reading perhaps preserved in Coptic *djenepōr* 'roof' (p. 8, n. 2), also in Greek transliterations like *Φαρά* = Hebrew *פֶּרֶץ*; *Φορά* = *οἶκος* 'house'; see *ÄZ.* 51, 125.

² *Haremhab* 34. 36. 38; also in *pryt Pr-t* 'courts of Pharaoh', *P. Kah.* 38, 10-11 (Akhenaten), Coptic *nepnepot*. ³ *ÄZ.* 57, 3*. 5*, very rare.

- O 2  combination of  O 1 and  T 3 In  *pr-hd* 'treasury', lit. 'white house'.
- 3  combination of  O 1,  P 8,  X 3, and  W 22. In  *pri-brw* 'invocation-offerings'.¹
¹ See above p. 172.
- 4  reed shelter in fields^o Ideo. in  ¹ *h* 'room (?)'. Hence phon. *h*.
^o Probably a reed shelter of the kind still to be seen in Egyptian fields (Iversen). A late sign-papyrus in Copenhagen gives *pr n sht* '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  ¹ *mrwt* 'street'; hence phon. or phon. det. *mr* in  ² var.  ³ *Mr-wr* 'Mnevis-bull'. For unknown reason, phon. det. *nm* in  ⁴ var. Pyr.  ⁵ *nmi* 'traverse'; also in  ⁶ *nmi* 'lowing' of cattle.
¹ *BH.* i. 44, 2. ² *Amarn.* v. 32, 21. ³ Berl. *AI.* 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  ¹ *hwt* 'castle', 'mansion', 'temple', 'tomb'. The full reading *hwt*, possibly later *hyt*, is suggested by the O.K. personal name  ² *Hwti* and by the isolated variant  ³ *Nbt-hyt*, together with the Coptic equivalent *nehow*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. *Ἄθυρ*, 'Hathor' where the element *hat-* is clearly in *status constructus*. However, in one passage of Dyn. XII  ⁵ is written for  ¹ *hwt* '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 *AZ.* 63, 149. ³ Cairo, unnumbered coffin from Asyût. ⁴ PREISENDANZ, *Pap. Graec. mag.* i. 72; cf. also the place-name *ḡoṯ*, *ḡw AEO* 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  O 7 and  O 29 In  ¹ *hwt-rst* 'temple', earlier 'castle',² lit. 'great castle'.
¹ *Urk.* iv. 575, 8. ² Berl. *AI.* i. p. 78.
- 9  combination of  O 7 and  V 30 In  varr.  ¹,  ² *Nbt-hyt* '(the goddess) Nephthys'.
¹ *M. u. K.* vs. 5, 4. ² See above O 6, n. 3.

Sign-list

EGYPTIAN GRAMMAR

- O 10  combination of  O 6 In  var.  ¹ *Ht-hr* ' (the goddess) Hathor'.
¹ *Sinai* 80.
- 11  palace with battle- Ideo. in  var.  ¹ var. Pyr.  ² *rh*, var. M.K.  ³ *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. *Plak.* i. 12, no. 225; *Hier.* 3, 30. Not two-storeyed, SCHARFF, 22, n. 64. ¹ *Urk.* iv. 58, 7. ² *Pyr.* 141. ³ *Rec.* 14, 167; see *Sphinx* 13, 157.
- 12  combination of  O 11 In var. of *rh* 'palace', see last.
and  D 36
- 13  ¹ battlemented enclosure Det. in  *shht* 'gateway' and in the related verb *shh*
(*shh*) 'wall in',² 'enclose'.
¹ *Ex. Urk.* iv. 174, 9. ² *Exx. Pyr.* 585, 636. Sim. with O 14, *AZ.* 60, 63.
- 14  portion and alternative Use as last.
of last¹ ¹ *Exx. Urk.* iv. 422, 2; *AZ.* 60, 63.
- 15  ¹ walled enclosure with Ideo. in  ¹ varr.  *wsht* (*wsht*) 'hall' in palace
buttresses, and with or temple.
the signs  W 10 and  X 1
¹ *Rekh.* 10. Varr. with battlements as in O 13, as well as palace O 11, see *Hier.* p. 34.
- 16  ¹ gateway (?) surmount- Ideo. or det. in  ² *ty* 'curtain (?)' and   ³ var.  ⁴
ed by protecting ser- *tyt* 'curtain'. Hence semi-ideo. in the title of the vizier
pents  ⁴ var.   ⁵ var. O.K.  ⁶ *tyty* 'he of the
curtain'. For  *ty-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. Plak.* ii. 6, 28; *Sagq. Mast.* i. 17.
- 17  ¹ O.K. form of last Use as last.
¹ *DAV. Plak.* i. 12, no. 232.
- 18  shrine seen from side Ideo. or det. in  ¹ var.  ² *ky(r)i* (Pyr. *kyr* ³) 'chapel',
'shrine'.
¹ *Exx. D. el B.* 114; *Urk.* iv. 168, 15. ² *Urk.* iv. 130, 16. ³ *Pyr.* 276.
- 19  primitive shrine Det. in  ¹ *Pr-wr* 'Great House' name of the pre-dynastic
national shrine of Upper Egypt at Hieraconpolis (*Nhn*);²
also of *itrt* in   *itrt smt(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';  *hm* 'shrine'; especially of the  *Pr-nw* or  *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 *Lisht*, 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 *hnty sh-ntr*. Cf. *Hier.* p. 36.

22  open booth supported by a pole

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

¹ *Pyr.* 130.

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

For  see W 4.

23  hall used in the *Sed*-festival¹

Ideo. or det. in  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.    *K3-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.  *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 *htw* 'station', 'stela'.

¹ *BH.* i. 25, 32.

² *BH.* i. 26, 141.

³ *Rec.* 20, 40, in the phrase *htw n Nb* 'station of the King', see *Unt.* 2, 40.

27  ¹ hall of columns

Det. hall of columns, exx.  ² *dsdw* 'hall of columns';  *hs* 'office'. From last, phon. or phon. det. *hs* in  ³ var.  ⁴ *h(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 *ht-hwy* 'night-ceremonies', cf. *BH.* i. 24; *Urk.* iv. 27, 5.

28  column with tenon at top

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

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

² *Sebekkhu* 5.

³ *Pyr.* 1644.

- O 29  wooden column¹ (also found vertically ) Cf. ² *cj* 'column'. Hence phon. *cj*, exx. ³ *cj* 'great'; ³ var. Pyr. ⁴ *hcj* 'infant'. In group-writing (§ 60)  or  is phon. *cj*,⁵ exx. ⁶ *Tmet* 'Ta'metj', f. personal name; ⁷ *Ynm* 'Yenoam', Palestinian place-name.
- ¹ As support of the booth O 22, *Medum* 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  supporting pole Ideo. or det. in  var. ¹ *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  door Ideo. or det. in  var. ² *cj* 'door'; hence very rarely phon. *cj*, ex. ³ *cmt* 'Asiatic woman'. Det. open, exx. ⁴ *wn* 'open'; ⁴ *sn* 'open'.
- ¹ *Pyr.* 54; see the picture PETRIE, *Deshasheh* 21. ² In the title *try-cj* 'door-keeper', Cairo 20103, l; 20184, k. ³ *Urk.* iv. 743, 4.
- 32  gateway Det. door, gateway, exx. ¹ abbrev. ² *sbi* (*sbj*) 'door'; ² *sbt* 'gateway'.
- ¹ *D. el B.* 137. ² *Urk.* iv. 845, 13.
- 33  façade of palace or tomb Det. in  *srh* '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 ² var. Pyr. ³ *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 Περειπλεσκινίος (gen.) = *Pr-di-Hr-nb-Shn* really to have read *Shm* or *Shn* (SPIEGELBERG, *Äg. u. gr. Eigennamen*, 28*, no. 198 a).
- 35  combination of  O 34 and  D 54 In a number of words implying motion and having *s* (*z*) as a characteristic radical, exx. ¹ *sbi* 'go', 'pass', 'send'; ¹ *si* 'perish', later replaced by ¹ *sbi*; ¹ rare var. ¹ *ms* 'bring', 'offer'; ¹ *is* 'go' (imperative, § 336); ¹ var. ¹ var. Pyr. ¹ *sy* (*zy*) 'who?', 'what?' There is much confusion in the value of , owing to the tendency (1) to write alone for *sbi*, and (2) to write for simple *s*.²
- ¹ *Pyr.* 438. ² *ÄZ.* 48, 31.
- 36  wall⁰ (occasionally horizontally ¹) Ideo. or det. in  var. ² *inb* 'wall'. Det. wall, exx. ³ *sbtj* 'surrounding wall'; ³ *wmtt* 'bulwark', 'fortification'; 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 SCHARFF, 18.
¹ *Urk.* iv. 764, 9. ² *Urk.* iv. 765, 7. 16. ³ *Urk.* iv. 661, 5. ⁴ *Sin.* R 141.

- O37  falling wall
Det. overthrow, exx.  ¹ *whn* 'overthrow';  ² *shnn* 'demolish' a wall; slanting, ex.  ³ *gsj* '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  *mrrt* 'street'. Ideo. or det. in  var.  *hry* (*n*) *tm*, an obscure title.¹
⁰ Palermo stone, vs. 5, 2; see too *AEO.* ii. no. 452 of On. Am. ¹ *ÄZ.* 40, 96.
- 39  stone slab or brick (sometimes large like = N 37)
Det. stone and similar, exx.  *inr* 'stone';  *est* 'valuable stone' for vessels, etc.;  *dōn* 'deben-weight' (§ 266, 4);  *rr* 'pebble';  *dbt* 'brick'.
- 40  stairway
Det. stairway, exx.  var.  *rd* 'stairway';  var.  *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 *LEGRAND, L'aile nord du pylône d'Aménophis III*, 14 A; see too the elaborate study *Kémi* ii. 41.
- 41  double stairway
Det. stairway, exx.  ¹ *hry* 'ascent', 'high place';  *ir* ² 'ascend'.
¹ *Urk.* iv. 364, 3. ² *ÄZ.* 46, 98.
- 42  fence outside primitive shrine  O 19¹
Phon. *šsp* (*šzp*) in  *šsp*, var. *Pyr.*  ² *šzp*, 'receive', but early *šsp* ; ³ cf.  ⁴ var.  ⁵ *šsp* 'daylight'.
¹ See the pictures of O 19 *Medium* 9; *Sah.* 22; *Ann.* 25, 126. ² *Pyr.* 879.
³ *Sint* 1, 225. ⁴ *P.Kah.* 1, 10; *Peas.* B 1, 201. ⁵ *DE BUCK*, ii. 5.
- 43  ¹ 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; *Irut*, given as principal form *Wb.* i. 29, if found at all early, is probably *status pronominalis*, see § 78.
- 45  domed building
Ideo. or det. in  var.  *ipt* 'harim';  ¹ *ipt* is possibly the fuller form of the same word.
¹ *ÄZ.* 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  var.  *Nhn*³ 'Hieraconpolis', i.e. Kôm el-Ahmar in Upper Egypt.
¹ *ÄZ.* 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. Géogr.* 353; see too *ÄZ.* 58, 60 and the alternative writing *Mhn*, *AEO.* ii. no. 320 of On. Am.

O 48 ① alternative form of last¹ Use as last.¹ Dyn. V, *Sah.* 18; Dyn. XII, *Th. T. S.* ii. 6; Dyn. XVIII, *Paheri* 8.

- 49 ② village with cross-roads Ideo. in  *nīwt* 'village'; for the reading cf. Pyr.  = ¹ *n(iw)tyrw(?)* 'those belonging to the lower heaven' and the very late var. ² for *Ναύκρaris*. Det. village, town, ex.  *Wist* 'Thebes'; inhabited region, in  *Kmt* 'Egypt', lit. 'the black (land)'; ³ *qstt(?)* '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 ③ circular threshing-floor covered with grain¹ (printed in older books in the late form ④) Det. in ² *spt* (*zpt*) 'threshing-floor'. Hence phon. or phon. det. *sp* (*zp*) in  var.  *sp* 'time', 'occasion' and related words. Note  var.  *sp sn* 'two times' as sign that a word or part of a word is to be repeated in reading (§§ 207. 274), exx.  *rsj rsj* 'very often';  *rsj rsj* 'rejoice'. For  in  *hst-sp* 'regnal year' see p. 204.

¹ *Hier.* pp. 27. 67.² MONTET 213-14.

- 51  heap of grain on a raised mud floor⁰ Ideo. or det. in  varr. ¹ *šnw* 'granary'.

⁰ So ERMAN, *Agypten*, 577, n. 3, probably rightly; for the shape of the heap, cf. *Ti* 124. DAV. *Plak.* 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.

¹ *Urk.* iv. 1050, 13.

Sect. P. Ships and Parts of Ships

P 1 boat on water

Det. boat, ship, exx.  *dpt* 'ship'; ¹ *hrw* 'ships'; ² *hrw* 'ships'; sail, travel by water, exx.  *nri* 'sail';  *hdi* 'fare downstream'; also det. in ³ *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 *hrw*,⁷ but possibly *hrw* is merely a later writing of, or more recent substitute for, *hrw*;⁸ the singular  'boat' doubtless usually stood for  = ⁹ *imw*, but once at least represents the much rarer   ¹⁰ *kškrw*.

¹ *Hamm.* 114, 14; *Bersh.* i. 14, 7.² *BH.* i. 44, 5; *Rekh.* 3, 34.³ *Wb.* i. 47.⁴ *AZ.* 45, Pl. VI, 6. ⁵ *Adm.* p. 33. ⁶ *AZ.* 45, Pl. VI, 6; Cairo 20023, 5; *Urk.* iv. 153, 3.⁷ Compare Cairo 20143, c with *ib.* b; so too without plural strokes and followed by numeral, *Cen.* 90, 1, 5. 6. ⁸ *AZ.* 32, 34. Possibly the relationship is like that of O.K. *šhw*, Dyn. XVIII *wšh* 'breadth'.⁹ *AZ.* 68, 8.¹⁰ *Westc.* 8, 3-4.(1) boat upside downDet. in  *pnr* 'upset', 'overturn'.

- P 2**  ship under sail Det. in  *hnti* '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 Abydos. Also det. sail, when divine journeys are meant, ex.  *dt* 'cross' sky, said of Rē.
- ¹ For different forms see *Ikhern.* 14. 23 (*nšmt*); Cairo 20024 = *Mus. égypt.* i. 17 (*mndt*, *mskt*); *Urk.* iv. 366, 6. 7 (*mndt*, *mskt*). ² *D. el B.* 114.
- For  see G 7*. For  see G 10.
- 4**  fisherman's boat with net Semi-ideo. in  *whr* 'fisherman', plur.  *whrw*, together with the related words.
- ¹ *Bersh.* ii. 16 without the plural strokes. Cf. Saïdic *ⲟⲩⲣⲉ* 'fisherman'.
- 5**  sail Ideo. or det. in  var.  *trw*¹ 'breath', 'wind'. Det. wind, exx.  *mhyt* 'north wind';  *drw* 'storm'; sail, in  *htsw* 'sail'. Ideo. also in  var.  *nfw* 'skipper', late var.  *nfy*.²
- ¹ Reading, *Pyr.* 309; see *ÄZ.* 24, 86. ² DÜMICHEN, *Kalenderinschriften* 35, 49. ³ LEPSIUS, *Todtenbuch*, ch. 99, 23. Coptic *neef*.
- 6**  mast⁰ Phon. *ḥr*¹ in  var.  *ḥr* 'stand' and derivatives.
- ⁰ For the problem of the form (also in P 5, 7) see *Sah.* II, p. 161. ¹ That *ḥ* forms part of the reading is shown by a late spelling of *ḥrw* 'limbs', BRUGSCH, *Wörterbuch*, Suppl. 272.
- 7**  combination of  P 6 and  D 36 Use as last, ex.  *ḥrw* 'ships'.
- ¹ *Urk.* iv. 702, 15.
- 8**  oar (also often horizontally in  § 55) Det. oar, exx.  *wsrw* 'oars';  *hpt* 'oar'. Perhaps from a word  var.  'oar' known only from the king's name  *Nb-ḥrw(?)*-*Rr* 'Nebkherurē' phon. *ḥrw*, exx.  var.  *ḥrw* 'voice';  *ḥrwy* '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. 11. ⁵ Now recognized as distinct from king Nebkhetpetrē, see *Stud. Aeg.* I 38-41; also *ÄZ.* 62, 3.
- 9**  combination of  P 8 and  I 9 In  var.  *ḥr(y)fy* 'says' (§ 437).
- 10**  steering oar Det. in  *ḥmw* 'steering oar';  *ḥmy* 'steersman'.
- 11**  mooring post Det. in  *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.  ¹ *st*, 'seat', 'place'. Hence phon. *st* (*st*),² exx.  *mst* 'lap';  *nmst* 'jar'; *ws* (*ws*),³ in  *Wsir* 'Osiris'; *is* (*is*), in  rare var.  ⁴ *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  ² *st* 'seat' (rare). Phon. *ws* (*ws*) in  rarer var.  ³ *Wsir* 'Osiris'.

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

3  stool of reed matting¹

Cf.  ² *p* 'base' (for shrine), Ptolemaic  ³ *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 *s* see *Sagq. 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  var.  *kersw* (*kersw*) 'coffin'. Det. in  *kers* '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.  *rkḥ* 'heat';  *ts* 'hot'; cook, etc., exx.  *psṯ* 'cook' (§ 281);  *sbw* 'brand'; torch, in  *tk* 'torch', 'candle'. Also abbrev.  ² for  *srḥ* (*srḥ*) 'temperature';  *nsrṣr* (*nsrṣr*) in  ³ *Tw-nsrṣr*, 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 *hswt*, varr.  ³ *hst*, ⁴ *hst*, 'table of offerings'.
¹ *D. el B.* 37. Often the round loaf is on the left, exx. *Paheri* 4; *Urk.* iv. 163, 7.
² *Siut* 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 *hwy(t)*, varr.  ³ *hst*, '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 *hswt* 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  X 2 on a reed-mat
Ideo. in  ¹ var. O.K.  ² *htp* 'altar'. Hence semi-phon. *htp* in  *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 *ksp* 'fumigate'. Hence phon. *ksp*, ex.  var.  ⁴ *ksp* 'harim', 'nursery'; *kp*, ex.  ⁵ *Kpny* 'Byblus', a town in Phoenicia.
¹ Ex. Dyn. XVIII, *D. el B.* 139. The same form, but reversed, already Dyn. V, *Saqq. 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. *kspw* '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 *bs* 'soul'; also in  *bs* 'ram'.⁶
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.

- 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. Κηβ.
¹ See NEWBERRY, *JEA*. 33, 90; *Meir* ii. p. 35; *Saqq. Mast.* i. p. 45.
² *Pyr.* 533. ³ *AZ.* 43, 148.
- 9  combination of  R 8 and  V 33 Ideo. or det. in  var.  ¹ *bd* '(a kind of) natron'.
¹ *D. el B.* 10. In Pyr. ideo. in *ntr* 'nitre' (*Pyr.* 1368), det. in *hamn* 'natron' (*ib.*).
- 10  ¹ combination of  R 8 and  T 28 and  N 29 Ideo. in  var.  *hr(t)-ntr* ² 'necropolis'.
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';  *Hr* '(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 *inn* '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 *sbdw* 'Abydus';  ⁴ *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 Abydos, ideo. or det. in  var. — ² *Tj-wr* 'the nome of Abydos 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  S 40 with fillet and feather As emblem of the Upper Egyptian nome of Hermonthis and its town, ideo. in  *Wist* (*Wist*),¹ var. Dyn. XX ² *Ws(r)*, 'Thebes'. For ³ *istt* '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 *Xaiois* = *Ht-m-Wist*, 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 *Sagg. Mast.* i. 1 (Dyn. III-IV).
- 22**  two fossil belemnites?¹ As emblem of the god of Panopolis (Ekhnim) and of Coptus (Kift) ideo. in — varr.  var. Pyr. ² *Mnw* 'the god' Min', Greek *Miv*.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, 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 Ekhnim, 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 *Sagg. 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 ³ varr. ⁴ *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 *Nēth* suggests a medial *t* or *r*.
- 25** ¹ O.K. form of last Use as last.
¹ *Ti* 46.

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

- S 1  white crown of Upper Egypt⁰ Ideo. or det. in ¹ var. ² *hdt* 'the white crown'. Det. white crown, exx. ³ *šmr-s* 'crown of Upper Egypt'; ⁴ *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  V 30 Ideo. or det. in ¹ var. ² *hdt* 'white crown'. Det. white crown, in 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 ¹ var. ² *dšrt* 'red crown'. Det. red crown, ex. ³ *mḥ-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 ⁷ *šdswty* (?) *bity* 'treasurer of the king of Lower Egypt'; also in ⁸ *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  V 30 Det. red crown, exx. ¹ *nt* 'net-crown'; ² *mḥ-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 *ššmty* 'the double crown' of Upper and Lower Egypt, lit. 'the two powerful ones', in Greek ψχέρυ² (*ps-ššmty*).
- ⁰ ABUBAKR, 60; OLZ. 35, 698. ¹ P. Boul xvii. 3, 3. ² Rosetta stone.
- 6  V 30 Ideo. or det. double crown, exx. ¹ var. ² *ššmty* '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 *ḥprš* '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**  band of cloth as fillet Ideo. or det. wreath, exx.  ¹ *wšhw* 'wreath'; ² *α* var. *α* 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. *α* ⁷ *α* 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**  collar of beads with falcon-headed terminals 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. 68. ² *Mitt.* 8, 17; *Urk.* iv. 54, 3. ³ *Urk.* iv. 142, 10. ⁴ *Urk.* iv. 83, 3.
- 12**  collar of beads Depicted with the name  ¹ *nbyt* 'collar'. Hence ideo. in  var.  ² *nbtw* 'gold' and the related words. Det. precious metal, exx.  ³ *dm* 'fine gold';  ⁴ *hd* 'silver'.
- ¹ *JéQ.* 60; *Rec.* 35, 231. ² *BH.* i. 8, 13. ³ Reading from Coptic *noub* 'gold', etc. See too *ÄZ.* 8, 20.
- 13**  combination of  S 12 and  D 58 Ex.  ¹ *nbt* 'gild', 'fashion'.
- ¹ Brit. Mus. 826, 3.
- 14**  combination of  S 12 and  T 3 In  ¹ *hd* 'silver', Coptic *ḡar*.
- 14***  combination of  S 12 and  S 40 In  ¹ *dm* 'fine gold', see under S 40, 41.
- 15**  ¹ pectoral of glass or fayence beads (Dyn. XVIII form) Ideo. or det. in  ² *thnt*, var.  ³ *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 counterpoise with Ideo. or det. in  var.  ² *mnit* 'bead-necklace', 'menat'.
- ¹ *Puy.* 53. 54. ² *GARD. Sin.* 100.

- S19**  cylinder-seal attached to bead-necklace¹ Ideo. in  var.  *sdwty* (?)² 'treasurer', plur.  *sdwtyw* (?), and in the related  *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.  *h̄tm* 'seal' and related words. Det. seal, in  *sdwt* 'seal';  *db̄rt* 'signet-ring'. Ideo. or det. in  var.  *šty* 'seal', a unit of value (§ 266, 4). Also as substitute for  S 19, ex.  *sdwty* (?) *b̄ty* 'treasurer of the king of Lower Egypt';⁴ also as substitute for  E 31 (*sr̄h*).⁵
¹ *ÄZ.* 35, 106. ² Cairo 20056, c, in the title *š̄ hr̄ h̄tm*. ³ *Siut* 5, 7.
⁴ Already *PETR. R.T.* i. 11, 14; 31, 43; *JUNKER, Glaz 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.  *rrw*, 'ring'.¹ A similar, if not identical, sign in  *šw* 'ring' (of silver).
¹ *Wb.* i. 51. ² *Urk.* iv. 701, 12.
- 22** ¹ shoulder-knot² Phon. *st* (*št*), ex.  *Stt*, var.  *Stt*, (1) 'Asia', (2) 'Sehêl', an island in the First Cataract;³ also *st* in  var.  *st̄i* 'pour'. Also, for unknown reason, ideo. or det. in O.K.  var.  *tz-wr* 'larboard'; here later apparently replaced by  O 17.⁷
¹ *Puy.* 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*** ¹ girdle as worn by various gods (*Pyr.*)² Ideo. in name of the goddess  *Šsm̄t* (*Šsm̄t*) 'Shesmetet'. Phon. *šsm* in  *šsm̄t* 'malachite'; also in  *Tz-Šsm̄t* '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.*  *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  *ts̄t* (1) 'knot', (2) 'vertebra'. Hence semi-ideo. in  *ts̄*, var. *Pyr.*  *tz̄*, 'tie', 'bind' and derivatives.
¹ *ÄZ.* 49, 120. ² *M.u. K.* 8, 3. ³ *Pyr.* 1805.
- 25**  a garment Cf. O.K.  *iz̄*, var.  *iz̄*, 'skirt (?)'.² Hence (?)  varr.  *iz̄*,  *iz̄*,  *iz̄* 'dragoman'.
¹ *PSBA.* 37, 117. 246. The sign varies considerably in form. ² *Wb.* i. 27.

S 26  apronIdeo. or det. in    var.  ¹ *šndyt*, var. Pyr.   ² *šndwt*, 'apron'.¹ *Rekh.* 4.² *Pyr.* 369.(N 18)  ¹ a garmentIdeo. or det. in   ² var.    ³ *driw* '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  ¹ horizontal strip of cloth
with two strands of
a fringe ²Ideo. or det. in    ³ var.  ⁴ *mnht* '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 29 ¹Det. 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. Plak.* i. 14, no. 288; *Sagg. Mast.* i. 21; *L. D.* ii. 103, a. For variant forms appearing to combine S 29 and || S 29 see *Ti* 111; *PETRIE, Gizeh and Rifeh* 13 G.29  folded cloth ¹Phon. *s* (*š*); the originating word is unknown. Abbrev. for  *snb* in the formula   *enb wds snb* '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 9Phon. *sf* in  *sf* 'yesterday'.31  combination of || S 29
and U 1Phon. *sm*, ex.  ¹ *sm* 'fighting bull'.¹ *Urk.* iv. 2, 13.32  ¹ piece of cloth with
fringe ²Ideo. or det. in  ³ *sist*, var. Pyr.    ⁴ *sist*, 'piece of cloth'. Hence phon. *siz* (*šiz*) in   *siz*, var. O.K.   ⁵ *siz*, 'recognize'.¹ Thebes, tomb 55.² JéQ. 33.³ *LAC. Sarc.* i. III.⁴ *Pyr.* 2044.⁵ *Urk.* i. 128, 5.33  sandalIdeo. or det. in  ¹ var. Pyr.   ² *tbt*, var. Dyn. XVIII   ³ *tbt*, 'sandal'. Hence semi-phon. or phon. det. *tbt*, later *tb*, in   ⁴ *tb* 'be shod';   ⁵ *tbw* 'sandal-maker'.¹ *Cairo* 20318, b 7.² *Pyr.* 578.³ *Urk.* iv. 390, 16.⁴ *LAC. TR.*23, 19; Dyn. XVIII, *tb*, *Leyd.* V 38.⁵ 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 *enḥ* 'sandal-strap'; semi-ideo. (from resemblance) in ³ *enḥ* 'mirror', etc. Hence phon. *enḥ*, ex. ⁴ *enḥy* 'live'; for the initial *ṛ* cf. Ptolemaic var. ⁴ *enḥy* 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)**  tie or straps with a different arrangement of the same elements as  S 34 Ideo. in ² late var. ³ *tīt* '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  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 *AZ.* 15, 33; 62, 108.
- 35**  sunshade of ostrich feathers Ideo. in ¹ var. Pyr. ² *šwt* 'shadow', 'shade'. Ideo. or det. in ³ var. ⁴ *sryt* '(military) standard'.
- ¹ *Urk.* iv. 1165, 16. Whether this writing has ever to be read *hybt*, another word for 'shadow' found in Dyn. XX and perhaps earlier, is very doubtful; see *AZ.* 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**  O.K. form of last (common also in M.E.²) Use as last. In the rare divine name  *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  before that of the fan.⁴
- ¹ Leyd. *Denkm.* i. 7. ² Dyn. XII, *AZ.* 39, 117, 8; Dyn. XVIII, *Th. T. S.* i. 23. ³ *JEA.* 30, 29, with n. 4; *AZ.* 77, 24. ⁴ *Wb.* iii. 69, 11.
- 37**  short-handled fan¹ Ideo. or det. in ² var. ³ *ḥw* '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 ḥw* 'fan-bearer', ex. *Amarn.* i. 34.
- 38**  crook⁰ Ideo. or det. in ¹ varr. ¹ *ḥk(ṣ)t*² 'sceptre'. Hence phon. *ḥkṣ*, exx. ¹ var. ¹ *ḥkṣ* 'rule'; ¹ *ḥkṣt* 'hekat-measure' (§ 266, 1). Also usually replaces the *awet*-sceptre  S 39³ in hieroglyphic writing, exx. ⁴ *rw* 'flock(s)'; Pyr. ⁵ *rw* 'awet-sceptre'. From the stem *ṣk* found in two Pyr. words⁶ comes the rare divine name ⁷ var. ⁷ *ḥks* 'Aḥes', personification of some part of the royal apparel, later reading *Hḥks*.⁸
- ⁰ See NEWBERRY, *JEA.* 15, 84. ¹ Cairo 28087, no. 73. ² On the radical *ṣ* 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., *Gemm.* i. 15; Dyn. XII, *Bersā.* 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; *AZ.* 77, 24.

- S 39  peasant's crook (N.B. not curved backward like  S 38) Cf.  *rw*, name of the sceptre of the shape .¹ Usually replaced in hieroglyphic writing by  S 38, but occasionally phon. *rw*, ex.  *rw* '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. *Plak.* ii. 18.

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

¹ JÉQ. 176. ² Pyr. 1156. ³ *Urk.* iv. 765, 13. For this curious var. see *ÄZ.* 41, 75. ⁴ Pyr. 1456; LAC. *TR.* 19, 50. ⁵ Reading, *ÄZ.* 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 *Ust*, see Pyr. 131.

For  see R 19; for  see S 14*.

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

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 *ÄZ.* 44, 132.

- 42  sceptre of authority¹ (it is impossible to distinguish separate forms for the various uses) Ideo. or det. in  var.  *cb* 'aba-sceptre'; hence phon. or phon. det. *cb*, exx.  var.  *cb* 'stela';  *cb* 'shine'. From a sceptre named  *sh* (*sh*), 'sekhem-sceptre', phon. *sh* (*sh*), exx.  var.  *sh* 'have power';  very late var.  *sh* '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 *ÄZ.* 47, 91. Sim. *hrp* *srkt* 'controller of the scorpion', *PSBA.* 39, 34; *hrp* *snqwt nbt* 'controller of all aprons', PETRIE, *Gizeh and Rifeh* 27 0, recto 2, compared with *Rekh.* 4. ⁹ See Louvre C 172, qu. Exerc. XIII, (a).

S 43  walking-stick¹

Ideo. in ² var. Pyr. ³ *md(w)* 'walking-stick', 'staff'.
Hence phon. *md* in  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 tꜣw* 'staff of old age', GRIFFITH, *Kahun Papyri*, p. 30. ² LAC. *TR.* 23, 21. ³ Pyr. 1144.
⁴ Pyr. 1014. ⁵ Reading, *Verbum* i. § 481.

44 ¹ walking-stick with flagellum  S 45²Ideo. or det. in  var.  *ims (ims)* 'ames-sceptre'.

¹ Ex. *Medum*, frontispiece. ² JéQ. 163; *Wb.* i. 11.

45  flagellum; perhaps originally an instrument used by goat-herds for collecting ladanum¹Ideo. or det. in ² *nhhw*, varr. ³, ⁴ *nhꜣhꜣ*, '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. *nhꜣhꜣ* 'shake', Pyr. 2204. ⁴ Leyd. *Denkm.* iv. 28.

Sect. T. Warfare, Hunting, Butchery

T 1 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 nꜣ* 'take to thyself' (§ 336);  var.  *Swmnw*, var.  *Smnw*, 'Sumenu', a town where Sobk was worshipped, possibly Er-Rizeikât, 14 km. N. of Gebelên.⁴

¹ Pyr. 57. ² WOLF, *Bewaffnung* 4; SCHARFF 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 smitingDet. in  *skr (skr)*,³ var.  *sk(r)*, 'smite'.

¹ Ex. O.K., *Sah.* 1. ² WOLF, *Bewaffnung* 4. ³ *Urk.* iv. 780, 11

3 ¹ mace with pear-shaped head¹ (vertical)Ideo. in ² var. ³ *hꜣ* 'mace'. Hence phon. *hꜣ*, exx.  var. ⁴ *hꜣi* 'damage';  *hꜣ* 'be bright', 'white'.

¹ WOLF, *Bewaffnung* 6. ² LAC. *Sarc.* ii. 18, no. 99. ³ *Mitt.* viii. Pl. 3. ⁴ *Sint* 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 (*hꜣ* 'mace'); *Hier.* 7, no. 85 = *Bersh.* i. 30 (in name *Sst-Hꜣhꜣt*); *D. el B.* 110 (*hꜣw* 'onions').

5 ¹ combination of  T 3 and  I 10

Use as last.

6 ¹ combination of  T 3 and two  I 10Phon. *hꜣꜣ*, ex. ¹ *hꜣꜣwt* '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 *tpy* 'chief', 'first', 'being upon' (§ 80), value probably derived from an obsolete word *tp* 'dagger' found only once (written  ⁴) 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 later type¹ Det. in  ² *b(s)gsw* 'dagger'.²

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 *mgsu* = *b(s)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 *pd* 'bow'. Hence phon. (semi-ideo.) or phon. det. *pd*, 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. ³ *Sim. Pyr.* 673.

⁴ *Sim*. B 127. This bow regularly in hieratic. ⁵ *Pyr.* 650. ⁶ *Urk*. iv. 977, 2.

⁷ BUDGE, p. 38, 7.

9*  better O. K. form of Use as last.  T 9¹

¹ DAV. *Ptah*. i. 15, no. 338 = ii. 23. Also among det. of *hsw* 'weapons', *Sak*. 17. The curved ends suggest the horns of a gazelle rather than those of an oryx, but see T 9, n. 1.

10  composite bow with middle tied to bow-string when out of use¹ Det. in Pyr.  ² *izwt* 'bow'. From Dyn. XII on preferred to  T 9 in the hieroglyphic writing of  ³ var.  ⁴ *pd* '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, *Rz-Heiligtum* ii. 13.

² *Pyr.* 1644. ³ *Amada* 3. ⁴ *BH*. i. 7 (*pd* 9 'Nine Bows'). ⁵ *Amada* 3. ⁶ *Sim* particularly *Urk*. iv. 977, 2.

- (Aa 32)  archaic type of bow¹ Ideo. or det. in ³ *Tj-St(i)*, varr. Pyr. ⁴ ⁵ (sometimes written *Tj-Zt(i)*, 'Nubia'; ⁶ var. ⁷ *sty*, a Nubian mineral.⁸  from Dyn. XVIII Also as var. of  with value *sšr* and obscure sense also ²) in offering-list.⁹

¹ MONTET, *Kémi* 6, 43; SCHARFF, 38, 139; depicted QUIBELL, *Hierakonpolis*, 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 *AZ.* 45, Pl. 6, 7.

⁴ *Pyr.* 994.

⁵ *Pyr.* 1867; see too *AZ.* 45, 128.

⁶ BUDGE, p. 284, 12.

⁷ *Urk.* iv. 1099, 11.

⁸ See *Rec.* 39, 22.

⁹ *Kémi* 6, 57.

T II arrow

Det. in ¹ *rh* 'arrow'; ² *šsr* (*ššr*)³ 'arrow'; from the latter, phon. det. in ⁴ *shr* 'overlay'. Doubtless from an obsolete *zin*, *zwn* 'arrow', phon. or phon. det. *sin*, *swn* (*zin*, *zwn*), exx. ⁴ *swn*, var. Pyr. ⁵ *zin*, 'perish'; ⁶ var. ⁷ *swnt* 'sale';  'physician' *swnw*, var. O.K.  *zinw*(?), the M.E. reading *swnw* on the evidence of a var. ⁷ *wr swnw* 'chief of physicians', but Coptic has *sacn*.

¹ *Urk.* iv. 190, 12.

² *P. Kah.* 1, 4.

³ *Pyr.* 1866.

⁴ *Adm.* 5, 2.

⁵ *Pyr.* 617. 725;  may here read *tn*, see *Sitz. Berl. Ak.* 1912, 962.

⁶ GRIFFITH, *Kahun Papyri*, p. 35.

⁷ *Wb.* iii. 427, 13.

12 bow-string¹

Ideo. or det. in ² *rwd*, varr. Pyr. ³ *rwd*, 'string', 'bow-string'. Hence phon. or phon. det. *rwd*, exx. ⁴ *rwd*, var. Pyr. ⁵ *rwd*, 'be hard', 'firm'; ⁶ *rwdt*, var. ⁶ *rwdt*, 'sandstone'. Ideographic det. in  *ir* 'restrain'; hence phon. det. *ir*, *ni*, exx.  *mi(r)* 'wretched';  *dri(r)*, abbrev. ⁷ *dri*, '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 ⁴ var. ⁵ *rst* 'foreign hordes'.

¹ *Rekh.* 22. O.K. form *Ti* 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 *pd-ht*, *nw-n-nt*, *ir(y)-nt*, *qy-nt*, is depicted on M.K. coffins. One may perhaps compare the mantlet or shelter used by the Babylonian archers. Discussed Jéq. 223.

³ For *rs* 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 *mrst* 'throw-stick' with the related verb *mr* 'throw'; also in  ³ *km* 'throw' and the kindred  varr.  ⁴ *km* 'create', 'form' and derivatives. The combination  in *km* above-quoted and in  *tni* 'distinguish' (from a *ἀπαξ λεγόμενον*  ^{4a}?) indicates that  is here the throw-stick, not the club; see on  G 41. (2) As club,  is found in  ⁵ var. Pyr.  ⁶ *Thnw* 'Libya';  varr.  ⁷ *cm* 'Asiatic'. Extended gradually as det. to all foreign peoples and countries, exx.  ⁸ *Tmhi* 'Temhi-land';  ⁹ var.  ¹⁰ *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 *qr* '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. ^{4a} *Urk.* i. 127, 2. ⁵ *D. el B.* 114. An ex. without the vases on a palette of Dyn. I, *AZ.* 52, 57. ⁶ *Pyr.* 455. ⁷ *Urk.* i. 101, 9. For the various spellings of this word see W. MAX MÜLLER, *Asien und Europa* 121. ⁸ *Sin.* R 12; det. of this word already in O.K., *Urk.* i. 125, 16. ⁹ *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*. ¹⁰ Before Dyn. XIX only in the personal name *Pt-Nhsy*, ex. *Sinai* 221. ¹¹ Exx. *Hamm.* 114, 12; *Kopt.* 8, 7. ¹² Cairo 20254, a; 20765. ¹³ *Paheri* 3. ¹⁴ 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.* 1 (*Thnw*).

16 ¹ scimeter

Det. in  ² *hps* 'scimeter'.

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  ² *šms*, Pyr. var. ³ *šms*, 'follow', 'accompany' and derivatives.

¹ The sign probably depicts the equipment of an early chieftain's attendant, *Bull.* 3, 12, n. 2; so too SCHARFF 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* (*kš*) 'bone', 'harpoon'.⁰ Hence phon. or phon. det. *ks* (*kš*), in  var. Dyn. XVIII  *ksn* 'be irksome'; *krš* (*krš*), in  *krš* 'bury' and derivatives. For reason unknown, phon. or phon. det. *gn* in  *gnwt* 'annals'; possibly also in  var.  *gnwtj* (?) 'sculptor' (in relief), reading not fully established.¹ Det. bone, ex.  *ib* 'ivory'; tubular, exx.  *mrwt* 'shaft';  *twr* 'reed (?)', whence phon. det. in  *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. *Plak.* 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 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* (*šn*) 'brother'. Hence phon. *sn* (*šn*),^{2a} exx.  ³ *sn* (*šn*), var. *Pyr.*  ⁴ *šin*, 'smell', 'kiss';  *sntr* 'incense'.
- ¹ Not a spear-head, but an arrow-head, SCHARFF 33; among earliest exx. (PETRIE, *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 *f* see *snf* '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. *Th. T. S.* iii. 21.
- 24**  ¹ fishing-net² Det. in  ³ *rh*, var.  ⁴ *ih*, 'net' animals. Hence phon. *rh* or *ih*, exx.  *rh* 'field', 'holding';  *rhwtj*, *ihwtj* 'field-labourer', 'tenant-farmer'.⁵
- 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.  *dbšw* 'floats'.² Phon. *dbš*, exx.  var. *Pyr.*  ³ *dbš* 'clothe', 'adorn';  *dbš*, var.  ⁴ *dbš*, 'replace'.
- ¹ DAV. *Plak.* i. p. 37. ² BUDGE, p. 390, 13. ³ *Pyr.* 272. ⁴ *Peas.* B I, 49.

T 26  ¹ bird-trap ²Ideo. or det. in  var.  *sh̄t* (*sh̄t*) '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. *Plah.* 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* = *shr* 'counsel', Cairo 20026, but for  in *hrd* 'child', *Br. Thes.* 1527; Vienna 64.29  combination of  T 30 and  T 28Ideo. in  ¹ var.  *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 5731  knife-sharpener (?) ¹Phon. *sšm* (*sšm*) in  var.  *sšm* (*sšm*) 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 *Siut* 1, 247. ³ Reading, *Rec.* 14, 18. For *s* see *Pyr.* 70.32  combination of  T 31 and  D 54Phon. *sšm* in  *sšm* (*sšm*) 'guide', 'lead'.33  ¹ knife - sharpener as carried by butcher (O.K.) ²Ideo. in  *sšm* (?) ³ 'butcher'.¹ *Medum* 14. Sim. L. D. ii. 4 (tomb of Metjen).² MONTET 158.³ The reading *sšm* rests on the assumption that  T 31 was originally of this form. In the tomb of Metjen (Dyn. III) the sign for *sšm* (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 knifeIdeo. in  ² *nm* 'knife(?)'. Hence phon. *nm*, exx.  *nmh* 'orphan';  *hnms* 'friend'.¹ *BH.* iii. 5, nos. 63, 65. Sim. Dyn. XVIII, *D. el B.* 74.² Karnak, chamber of Annals, Tuthmosis III, in offering list immediately before *hps* 'foreleg of ox'. Sim. GAYET, *Temple de Louxor* 26.35  ¹ alternative form of last Use as last.¹ Exx. O.K., *Gemm.* i. 11; Dyn. XVIII, *Th. T. S.* i. 7.

Sect. U. Agriculture, Crafts, and Professions

U 1  sickle¹

Ideo. in  ² *m* 'sickle-shaped end' of the *wis*-boat  P 3. Hence phon. *m*,³ exx.  *m* 'see';  *tm* 'mat'. In group-writing (§ 60)  is used for *m*.⁴ A sign similar, but not quite identical, in shape is used as det. in  ⁵ *sh* 'reap'; also perhaps in  ⁶ *hbb*, var.  ⁷ *hbb*, 'crookedness'.

¹ *Medum*, frontispiece, no. 8; DAV. *Plah.* i. 13, no. 282. ² LAC. *TR.* 27, 1. 2; BUDGE, p. 212, 7. ³ For the initial *m* cf. Coptic *mē* 'truth', *mūi* 'lion', *mūh* 'burn'. ⁴ BURCHARDT § 56. ⁵ *Urk.* v. 161, 16. ⁶ *Peas.* B 1, 107. ⁷ *Adm.* p. 107; possibly both here and in *Peas.* the lower part of the sickle only. *Hbb* is a name of the sickle, see *Wb.* iii. 361, 14.

2  alternative form of last Use as last.3  combination of  U 1 In  *m* 'see' and  D 44  combination of  U 1 In  *mrt* 'truth' and the related words. and  Aa 115  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.  *d* 'hack up';  *hbs* 'cultivate', 'hoe'. For unknown reason,¹ phon. *mr*,² exx.  *mri* 'love';  *mrht* '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 *mrtw* 'hoe', but only a very uncertain trace of  is there. ² For the initial *m*, cf. Coptic *mē* 'love', *mour* '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.  ³ *hnw* 'hnw-bark'.

¹ Already Dyn. IV, *Medum* 15. ² *Pyr.* 1394. ³ *NAV.* ch. 1, 21.

9  corn-measure with grain pouring out Det. grain, exx.  *bat* 'emmer';  *ssr* (old *ssr*)² 'corn'; measure, exx.  ¹ *h* 'measure';  abbrev. *hkt* 'hekat-measure' (§ 266, 1).

¹ Cairo 20500. Sim. *Urk.* iv. 64, 1. ² Reading, see *Bull.* 30, 179.

- U10  the same beneath  Ideo. in  var. Pyr.  ¹ *it* 'barley', 'corn'. Sometimes in Dyn. XVIII instead of  U 9 as det. grain, ex.  ² *bty* (from *bd*) 'emmer'.
M 33
- ¹ Pyr. 1880. ² *Paheri* 3.
- 11  ¹ combination of  S 38 and  U 9 In  *hkt* 'hekāt-measure' (§ 266, 1).
¹ *Puy*. 35.
- 12  ¹ combination of  D 50 and  U 9 In  *hkt* 'hekāt-measure' (§ 266, 1).
¹ *Puy*. 36.
- (O 30)  pitchfork Det. in  *rbt* 'fork'.¹ Possibly not a pitchfork as phon. or phon. det. *sdb* (*šdb*), later *sdb*, in  *sdb*, var. Pyr.  ² *šdb*, later  *sdb*, 'hindrance', 'obstacle'.
¹ MONTET 227. Sometimes with three prongs, *Wb.* i. 176. ² *Pyr.* 315.
- 13  plough Det. plough, in  *hb* 'plough' (n.);  *skt* 'plough' (vb.); also in  ¹ *prt* 'seed'. From *hb* 'plough', phon. *hb*, exx.  var. O.K.  ¹ *hbny* 'ebony';  ² *hbnt*, a liquid measure (§ 266, 1). From Dyn. V onwards replaces  U 14 as phon. or phon. det. *šnr* in  *šnr* 'repel';  ³ *šnrw* 'policing';  ⁴ *šnr* 'magazine' 'ergastulum'.
¹ *Ti* 66. ² *Urk.* iv. 748, 17. ³ *Leyd.* V 88, qu. Exerc. XXVI, (a).
⁴ Reading, *Rec.* 24, 93.
- 14  ¹ two branches of wood joined at one end² (O.K.) Old sign for *šnr* later replaced by  U 13.
¹ *Medum* 15 in a place-name *Šnr*; 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.
- 15  sledge Cf.  ¹ 'sledge'. Hence phon. *tm*, exx.  *tm* 'be complete' (§ 342);  *htm* 'perish'.
¹ BUDGE, p. 38, 14. Sim. *ib.* p. 210, 12.
- 16  ¹ sledge with head of a jackal (Copt. *wōn'sh*) bearing a load of metal (?)² Det. in  *wnš* 'sledge'.^{2a} Ideo. (?) in Pyr.  ³ *biz* 'of copper' (adj.). Hence perhaps phon. or phon. det. *biz* in  ⁴ var.  *by* (orig. *biz*) 'wonder' and related words; for the reading cf.  ⁵ *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 *biz* 'copper', rendering the explanation doubtful.
⁴ *Urk.* iv. 612, 6. ⁵ *Hamm.* 110, 2.
- 17  pick excavating a pool Ideo. in  ¹ varr.  *grg* 'found', 'establish', 'snare'. Hence phon. det. *grg* in  ¹ varr.  ² *grg* 'falsehood', 'lie'.
¹ Spellings, *Verbum* i. § 338. ² *Urk.* iv. 1031, 10.

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 *nwtj* '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 *nt* 'nail', 'claw', Wb. i. 188; Kēmi iv. 179.21  adze at work on a block of wood

Det. in O.K.  ¹ *stp* 'cut up' ox. Hence semi-ideo. or phon. *stp* (*stp*), in  var.  *stp* 'choose' and derivatives; inaccurately also *stp*, in  ² *stp*, var. Pyr.  ³ *stp*, 'leap up'.

¹ Ex. Ti 127.² Urk. v. 147, 4.³ Pyr. 947.22  chisel

Det. in O.K.  ¹ *mnḥ* 'fashion', 'carve' and  ² *mnḥ* 'chisel'. Hence semi-ideo. in  *mnḥ* '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 *sbḡw* '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 *sbj* '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.  ³ *hmt* ⁴ '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 $\epsilon\alpha\mu\mu\epsilon = hm-ht$ 'worker in wood'; $\epsilon\alpha\mu\mu\sigma\tau\eta = hm-mbw$ 'gold-worker'.

- U 25 ¹ O.K. form of last Use as last.
¹ *Saqq. Mast.* i. 39, no. 65.
- 26 ¹ drill being used to bore a hole in a bead² (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 later²) Use as last.
¹ *Ex. Gebr.* i. 13. ² Dyn. XII, *Bersh.* i. 27; Dyn. XVIII, *Puy.* 54.
- 28 ¹ fire-drill² (Dyn. XVIII) Cf. ³ *dj* 'fire-drill'. Hence phon. *dj*,⁴ *exx.*  *djt* 'ferry across';  *hcdj* 'pillage';  *djt*⁵ 'remainder'. Abbrev. for *wdj* in the formula  *enb wds snb* 'may he live, be prosperous, be healthy' (§§ 55. 313). In group-writing (§ 60)  or  is phon. *dj*.⁶
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 *djdt* 'council' (*Pyr.* 309. 1713), partly from Coptic equivalences, ex. *ⲟⲩⲩⲁⲓ* = *wdj* 'be hale', 'sound'. ⁵ *Wb.* i. 404, 2 accepts *wdj* 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. *wdj* to older *dj* may be like that of L.E. *wsj* 'breadth' to O.E. *shw*, and *Wb.* v. 517 is probably right in taking *dj* as the M.E. reading. ⁶ BURCHARDT § 150.
- 29 ¹ O.K. form of last (also common later²) Use as last.
¹ *DAV. Plak.* 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.  *ti* 'kiln'. Hence phon. *ti*, *exx.*  *ti* 'be hot';  *stti* 'mysterious', 'difficult'. In the geographical name  *Ht* 'Hittite land'  should be read simply *t*, not *ti*, cf. Hebrew *ת* (§ 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';  *hnrt*, var.  *hnt*, 'harim'. Through similarity in hieratic, sometimes substituted for *D* 19 or *E* D 20, ex.  *ssnt* 'breathe'.
¹ In Dyn. III-IV the ends are curved, not angular, *Saqq. 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.

- U 32  pestle and mortar¹
- Det. of ^{1a} *shm*, O.K. — ^{1b} *zhm*, 'pound'; also of O.K. ² *smn*, ^{2a} *zmn* 'press down' bread with a stick; from this latter ^{2b} phon. or phon. det. *smn* (*zmn*) in ³, abbrev. ³, *hsmn* 'natron'; ⁴, abbrev. ⁴, *hsmn* 'bronze'; ⁵ ⁵ *smn* (old *smn*) 'establish'. Det. pound, also in ⁶ *hms* 'salt'; heavy, in ⁷ *dns* 'heavy'; ⁸ *wdn* 'heavy'.
- ¹ See the hieroglyphs *Medum* 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 *zh* and reads the preceding word as *shm* with *f*. 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, 1418. 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 *tît* 'pestle (?)' of red granite (*mst*); hence (?) phon. *tî*, exx. ¹ *hr-tî* 'thou art content' (§ 309); ² *cnh-tî* 'may she live!' (§ 313); more rarely phon. *t*, especially beside ³ *h*, exx. ⁴ *thnt* 'fayence'; ⁵ *hts* 'inaugurate (a feast)'. In group-writing (§ 60)  or  or  is phon. *t*,² ex. ³ *Tî*, name of a Syrian locality.
- ⁰ MÖLL. *Pal.* i. Pl. 5, left, 16; meaning doubtful. ¹ *Siut* 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 warpestretched between two uprights^{1a}
- Det. in ² var. ³ ⁴ var. *Pyr.* ⁵ *mdd* 'hit (a mark)', 'adhere to (a path)' and derivatives.
- ¹ Thebes, tomb 85. Very various in form; exx. M.K., Brit. Mus. 614, 8; *Siut* 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 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* = *Pr-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 *hrk* '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 *mbst* '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 *włst* 'post (of balance)' and in the related verb  ² *włs* 'lift', 'carry', 'wear'. Secondly also det. in  ³ *łst* (*łzi*) 'raise', 'lift'.

¹ PIEHL, *IH.* iii. 82.

² *D. el B.* 81.

³ In Pyr. the det. of *łst* 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 *włsw* 'those who have worn'. Also, owing to similarity in hieratic, used for  T 13, ex.  ⁴ *rs-łp* 'vigilant'.

¹ For the hieratic see MÜLL. *Pal.* i. no. 405; ii. no. 405.

² *Urk.* iv. 85, 12.

³ MÜLL. *Pal.* i. no. 588.

⁴ Leyd. *Denkm.* iv. 28, 4 c. 3. Sm. *srs*, *Urk.* iv. 897, 6.

41  ¹ plummet used in connection with the balance²

Det. in  *łb* '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.  *nwh* 'rope';  *łst* 'front-rope' of ship; actions with rope or cord, exx.  *łł* 'drag';  *łs* 'tie';  ¹ *mnł* 'string' beads;  *łni* 'encircle', 'surround'. Probably from  *łnw* 'network', phon. or phon. det. *łn* in  var.  *łnt* 'dispute', the relations of which with  *łni* 'exorcise', 'litigate' and with  *łnt* 'contend' require further study. Another possibly related word is  *łt* (*łnt*?)⁴ 'hundred' (§§ 259. 260). A similar, but doubtless different, sign is det. in  *łsb* 'bent appendage' (of metal?) belonging to the crown .

¹ *M. u. K.* 1, 3.

² Cairo 20393. 20562, *d*, in the title *łmy-r łnt*; cf. too a title *łnt* discussed *JEA.* 9, 15, n. 2.

³ *AZ.* 36, 138.

⁴ *AZ.* 36, 135.

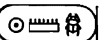
⁵ *Urk.* iv. 200, 15.

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  *łł* (*łłł*), later  *łł*, 'drag', 'draw'; hence phon. *łł* in  *łłł* 'aroura' (§ 266, 3). For an unknown reason det. in  *łł* '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.

- V 3  the same sign with three cords (Dyn. XVIII)
Phon. *stꜥw* in ¹ *R-stꜥw* 'necropolis',² particularly that of the Memphitic god Sokar.
¹ Ex. *Th. T.S.* iv. 38, G. ² *AZ.* 59, 159; *Wb.* ii. 398, 9. 10.
- 4  lasso
Cf. ¹ *wꜥw* 'lassoes'. Hence phon. *wꜥ*,² exx.  *wꜥ* 'far';  *wꜥh* 'place', 'endure'.
¹ BUDGE, p. 454, 2. Cf. too *wꜥt* 'cord' (*Wb.* i. 244) and *wꜥwꜥt* 'cord' (*Urk.* iv. 166, 12). ² For the initial *w* see a var. of *wꜥr* 'tie up', MONTET 207.
- 5  looped rope
Det. in ¹ *snꜥ* (*snꜥ*) '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 *šs*, var. O.K. $\equiv$ ³ *šs*, 'cord', 'rope'. Hence phon. *šs* (*šs*), exx.  $\equiv$ var.  (p. 172) *šs* 'alabaster';  *šst* 'what?' (§ 500). There has been much confusion with  V 33:^{4a} (1) in the words  'linen', 'cloth',  'thing', 'concern', and  'corn', all originally reading *šsr*; however, the fact of the confusion, together with certain writings with metathesis *šsr* (see V 33, nn. 4. 9), make the usually accepted reading *šs* (so in the 1st edition) still just defensible, for final *r* usually falls; (2) as det. in  *rf* '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, *Medum* 13; *Saqq. Mast.* i. 1. 2. ² *Urk.* iv. 885, 7. ³ DAV. *Plak.* 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.  $\equiv$ var. *Pyr.* $\equiv$ ¹ *šni* 'encircle'. Hence phon. *šn*, exx.  *šn* 'tree';  *šnr* 'repel'.
¹ *Pyr.* 213.
- 8  ¹ 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 ¹ *šnw* 'cartouche' (p. 74).
¹ See p. 74 for explanation as a double rope encircling (*šnt*) 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 *šnw* '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-hꜥr-Rr* 'Menkheperre', i. e. Tuthmosis III.
¹ GAYET, *Temple de Louxor*, p. 14. ² BRUGSCH, *Thes.* 1077, 19.

- V11  sign probably later taken to be a car-touche cut in half and reversed¹ Det. in  ² *dnt* 'dam off', 'restrain'. The hieratic equivalent of the same sign³ serves also as det. in  ⁴ *ph* 'split'. It seems doubtful whether the hieratic word usually transcribed as  ⁵ *dwt* (*dwyt*?) 'shriek' was originally written with this sign.⁶
- ¹ So at least it appears to be in Dyn. XVIII. Early hieroglyphic exx. are lacking, for the det. of *dnt* in *Pyr.* 278. 716, namely a kind of hoe, cannot easily be the prototype of our sign. *Dnt*, later *dnt*, may originally have meant 'cut off'; cf. the later word *dnt* 'portion', 'fraction', see SETHE, *Zahlworte* 89. ² *Urk.* iv. 312, 11; 445, 17. ³ MÜLL. *Pal.* i. no. 584; ii. no. 584. ⁴ *Pt.* 283; *Ed.* 36, 16. ⁵ In hieroglyphic of Dyn. XIX it has the same det. with which *dnt* is written. For the reading see VOG. *Bauer* 69-70; GARD. *Sin.* 99.
- 12  band of string or linen Det. bind, exx.  ¹ *sšd* 'head-band';  ² *cnh* 'garland';  ³ *fh* 'loose', whence  ⁴ *fh* 'depart'; from the last, phon. det. in  ⁵ *tw Fnhw* 'Phoenician lands'. Det. papyrus-books, exx.  ⁶ *šfdw* 'papyrus';  ⁷ *snw* 'deed'. Phon. or phon. det. *rk* (from *rk* 'bind on') in  ⁸ *rk* 'swear';  var.  ⁹ *rk* 'last day' of the month (§ 264).
- ¹ *Sinai* 90, 16; see GARD. *Sin.* 20.
- 13  rope for tethering animals¹ Cf. *Pyr.*  ² *ttt* 'fetterer (?)'.³ Phon. *t*.⁴ Sometimes also, by a false archaism, for *t* (§ 19, OBS. 2).
- ¹ *PSBA.* 22, 65. ² *Pyr.* 672, epithet of a cat-goddess. ³ SETHE, *Alphabet* 156.
- 14  the last, with an added diacritical tick Phon. *t*, both in hieroglyphic and hieratic, but apparently only in a few words, doubtless words in which the value *t* had not changed into *t*, exx.  ¹ *tsi* 'lift';  ² *Ttj* 'Tjetji', a man's name.
- ¹ *Sin.* B 23; *P. Kah.* 2, 7. Sim. *wts* 'raise', *Westc.* 12, 23; *stsw* 'supports', *ERM. Hymn.* 1, 2. ² *Brit. Mus.* 614, 3; *ib.* vert. 2; *tsi*, *ib.* 13. In other words in this inscription *t* is written without the tick, exx. *st* 'lo', 4; *tsi* 'seize', 10.
- 15  combination of  V 13 and  D 54 In  var. *Pyr.*  ¹ *iti*, in M.E. often  ² *iti*,³ 'seize'.
- ¹ See *Verbum* i. § 397, 5. ² Reading, see p. 214, bottom.
- 16  looped cord serving as hobble for cattle Ideo. in O.K.  ¹ *sz* (*zš*) 'hobble'. Hence phon. *sz* (*zš*)² in  ³ *sz* 'protection'.
- ¹ L. D. *Ergänzungsband* 40, with the picture. ² Reading from varr. of *szw* 'guard', *Pyr.* 1203. 1752.
- 17  ¹ rolled up herdsman's shelter of papyrus² Ideo. in  var.  ³ *sz*, var. *Pyr.*  ⁴ *sz*, 'protection'.
- ¹ *D. el. B.* 13. ² *AZ.* 44, 77; *Rec.* 30, 39. ³ *Pyr.* 1470.
- 18  ¹ O.K. form of last Use as last.
- ¹ DAV. *Ptah.* i. 16, no. 353.

V 19  hobble for cattle¹

Ideo. or det. in ² varr. ³ ⁴ *mdt* 'stable', 'cattle-stall'. For unknown reasons, det. in ⁵ varr. ⁶ ⁷ *tmz* (from *tmz*?) 'mat', whence phon. or phon. det. *tmz* (*tmz*) in ⁸ varr. ⁹ ¹⁰ *tmz*, 'cadaster (?)' or kind of land (?); in ¹¹ var. ¹² *hsr* '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,¹¹ det. in ¹² *knz* 'palanquin', whence also in ¹³ *knz* 'sheaf'; so too in ¹⁴ *ksr* 'shrine'; possibly also in ¹⁵ *štyt*, name of the sanctuary of Sokar in Memphis.¹⁶ To be distinguished carefully from  Aa 19.

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 *Meir* 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); *šw nw tmz*, *ib.* p. 25 = *tmz*, *ib.* 3, 26.

⁹ *Brit. Mus.* 828,

qu. § 450.

¹⁰ *Sš n tmz*, Cairo 20056; *Leyd.* V 3.

¹¹ *Pyr.* 300 (*ksr*);

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.

20  the same without the cross-bar (cf. V 21)

Cf. Dyn. XIX ¹ *mdwt* 'stables'. Hence phon. *md*² in  *mdw* '10' (§§ 259. 260).

¹ *MAR. Abyd.* i. 53.

² *AZ.* 34, 90.

21  combination of  V 20 and  I 10 (Dyn. XII onward)

Ideo. in ¹ *mdt* 'stable', 'cattle-stall'. Hence phon. *md* in ² *md* 'be deep' and derivatives.

¹ See V 19, n. 3.

² BUDGE, p. 458, 9. *Sim. mdt* 'depth', *Kuban* 32.

For  see M 28.

22 ¹ whip² (Dyn. XVIII)

For unknown reason,³ phon. *mḥ*, exx.  var. *Pyr.* ⁴ *mḥ* 'fill'; ⁵ *mḥnyt* 'the coiled one', name of a snake.

¹ *Ex. Hier.* 6, no. 77.

² *AZ.* 35, 106.

³ A derivation from *ḥwt* 'strike'

has been suggested, *Hier.* p. 63.

⁴ *Pyr.* 1682.

23 ¹ O.K. form of last

Use as last.

¹ *Exx. DAV. Ptah.* i. 17, nos. 371. 372. 377; *Sah.* 30; *Ti* 112.

24  cord wound on stick (O.K. and M.K. form)¹

For unknown reason, phon. *wd* (later *wd*), exx.  var. ² *wd* 'command'; ³ *wdḥ* (for *wdḥ*) 'table of offerings';  var. *Pyr.* ⁴ *wdb* '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.

25 ¹ alternative form of last (Dyn. XVIII)

Use as last.

¹ *Ex. Rekh.* 2, 17.

- V 26 ¹ netting needle filled with twine² Ideo. in ³ 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 *rnd*,⁷ proved only in the case of ⁸ *rndt*, var. Pyr. ⁸ *rndt*, 'the morning-bark' of the sun-god.

¹ *Rekh.* 2, 6; *Pyr.* 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 *Medum* 13. Sim. *Sagg. Mast.* i. 1.

- 28 ¹ wick of twisted flax

Cf. with a similar sign, ² *het* 'wick';² hence³ phon. *h*. As late det. once in ⁴ *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 MOGENSEN, *Musée nat. Copenhagen*, Pl. 24; see SETHE, *Zur Geschichte der Einbalsamierung*, 11*.

- 29 ¹ swab made from a hank of fibre (down to Dyn. XVIII identical for all uses²)

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

¹ Detailed ex. *Tf* 132 (*wsh*).

² *Wsh* and *sk* in proximity, see O.K. *Gemn.* i. 22; Dyn. XVIII, *Rekh.* 2. 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 ¹ wickerwork basket

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

¹ *Urk.* iv. 896, 10.

² *Pyr.* 557.

³ *Urk.* i. 126, 9.

For  see O 9.

- 31 ¹ wickerwork basket with handle

For unknown reason, phon. *k*.

- 31* ¹ 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 frail² (possibly also used as a float by hippopotamus-hunters)³

Det. in ⁴ *msnw*, var. Dyn. I ⁵ *msn*, 'harpooner'; hence (?) phon. *msn* (*msn*) in ⁶ late var. ⁷ *Msn*, a Lower Egyptian town near Kanṭarah.⁸ Possibly, but not certainly, the same sign⁹ in ¹⁰ *grwt* 'bundles', 'tribute'; hence phon. det. *grw* in ¹⁰ *grw* 'be narrow', and related words.

¹ Exx. O.K., QUIB. *Sagg.* 1911-2, 32 (*Msn*); *Ti* 115 (*msn*?). ² See the pictures *Ti* 38. 39; *Gemm.* 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 *ÄZ.* 54, 53 and compare the fisherman's reed-floats T 25. But possibly the sign is really the det. of *msn* '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 *ÄZ.* 57, 138.

⁶ *Lisht* p. 36.

⁷ See *ÄZ.* 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 linen²

Ideo. or det. in ³ *ššr*, var. O.K. ³ *ššr*, var. Dyn. XVIII ⁴ *ššr*, 'linen', 'cloth', cf. especially the compound ⁵ *ššr-nsw*, var. O.K. ⁶ *ššr-nzw*, 'royal linen', 'byssus', Coptic *ⲙⲉⲛⲉ*; the var. ⁷ with  V 6 makes the hitherto accepted reading *šs-nsw* possible for Dyn. XVIII, as final *r* frequently fell away. Hence phon. *ššr* (read as *šs* in the 1st edition) in ⁸ var. Dyn. XII ⁸ *ššr*, var. O.K. ⁹ *ššr*, 'thing', 'concern'; also in ¹⁰ varr. ¹¹ ¹² *ššr* 'corn'. Perhaps through connection with the stem found in ¹⁰ *grwt* 'bundles' (see on V 32) or else with ^{12a} *ggṭ* 'kidney(?)',^{12a} phon. *g* in a few words, exx.  var. ¹³ *wgg* 'misery';  *Gbtyw* 'Coptus', a town in Upper Egypt. Det. tie up, in ¹⁴ *rf* 'tie up', 'pack', 'envelop'; also perfume, because kept in bags of linen,¹⁴ ex.  var. ¹⁵ *stṯ* 'perfume', cf.  R 9. As det. clothes not before Dyn. XIX,¹⁵ and then mainly in the form  V 6 (see on that sign). Note that in M.K. hieratic  is indistinguishable from  V 6;¹⁶ 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 *ššrw rṣw* 'tied-up cloths', *Urk.* iv. 1143, 13.

³ *Ti* 115.

⁴ *Urk.* iv. 1143, 13, *ššrw*, 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 *ššr* 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. *hntwt*, *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  ¹ alternative form of last (Dyn. XVIII) Use as last.
¹ *D. el B.* 94 (*sty* 'perfume').
- 35  ¹ O.K. form of last (rarely also Dyn. XVIII)² Use as last.
¹ *DAV. Plah.* i. 14, no. 318 = (*E.R.A.*) 37, in *imy-r šr* '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 *šr* 'thing', 'concern', *Urk.* i. 136, 5; *WEILL, Décrets*, Pl. 2. ² In *šr* 'corn', *Urk.* iv. 372, 14, qu. under V 33, n. 11.
- 36  receptacle of some kind Det. in  ¹ *hn* (*hnt*?), name of a receptacle given to a temple. Hence (?) phon. or phon. det. *hn*, exx.  ² var.  ³ *hnt* 'occupations';  ⁴ var.  ⁵ *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  ¹ bandage (?) Det. in  ² *idr* 'bandage', 'bind'. Phon. or phon. det. *idr* in  ³ var.  ⁴ *idr* 'herd'; note that  ⁵ appears to read  ⁶ *ks n idr* 'bull of the herd'. For the confusion of  and  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  ¹ bandage (O.K.) Det. in  ² *wt* 'bandage', 'mummy-cloth'. Later replaced by  Aa 2.
¹ *Pyr.* 1202 (N 1197).

Sect. W. Vessels of Stone and Earthenware

- W 1  sealed oil-jar Det. oil, unguent, exx.  ¹ var.  ² *mrht* 'unguent';  ³ *mdt* 'ointment'.
¹ *Urk.* iv. 914, 9; for the reading cf. *Cairo* 20720, a 3.
- 2  sealed oil-jar, like W 1, but not showing tied ends Det. in  ¹ *bis* (*bis*) 'jar'. Phon. *bis* (*bis*) in  ² *Bistt*, var. O.K.  ³ *Bistt*, '(the cat-goddess) Bastet'.
¹ *LAC. Sarc.* ii. 13, no. 23. ² *Ex. Urk.* iv. 432, 9. ³ *Ti* 23.
- 3  ¹ basin of alabaster as used in purifications² Det. in O.K.  ³ *šš* 'alabaster' (p. 172). Perhaps on account of the purifications characteristic of feasts, det. in  var. Dyn. XVIII  ⁴ *hb* 'feast'; hence semi-ideo. or phon. *hb* in  ⁵ *hb* 'mourn'. Abbrev. of  ⁶ *hbt* 'ritual book' in  W 5. Det. feast, exx.  ⁷ *psdntyw* 'New-moon festival';  ⁸ *Wig* 'Wag-festival'.
¹ Showing the markings of alabaster, *Hier.* 2, no. 9; 9, no. 178; *Keph.* 9.
² *Rec.* 39, 54. ³ *Sin.* B 142. ⁴ *BH.* i. 24. ⁵ *Siut* i. 299. *Sm. BE.* i. 25, 90-5.

- W 4  combination of  O 22 and  W 3 Ideo. or det. in  var.  *hb* 'feast'. Det. feast (much rarer in M.E. than  alone), ex.  ¹ *tp-rnpt* 'feast of the first of the year'.
¹ *BH.* i. 24. *Sim. W 18*, *Brit. Mus.* 162.
- 5  combination of  T 28 and  W 3 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  O.K. sign for a particular vessel In  *wht* 'cauldron'. Later replaced by  Aa 2.
¹ *Sagq. Mast.* i. 2. Rather different, *ib.* 1; *Medum* 13 (here of copper).
- 7  granite bowl (Dyn. XVIII) Det. in  ¹ *msl*, var. O.K.  ² *msl*, 'red granite'; hence phon. det. *msl* in  ³ *msl* 'proclaim'. Det. in  ⁴ var.  ⁵ *3bw* 'Elephantine', as source of the red granite; hence phon. det. *sb* in  ⁶ var.  ⁷ *sb* '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  deformation of the last (Dyn. XI) In *3bw* 'Elephantine' and *sb* '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 *nshnm*, 'the *nhnm*-vase' with its specific oil. Hence (?) phon. *hnm*, exx.  *Hnmw* '(the ram-headed god) Chnum';  *hnm* 'join'.
⁰ SCHARFF 49. ¹ *BH.* i. 17; *Pyr.* 51 (N 311 a). ² *Pyr.* 51 (W 59 a).
In O.K.  *f* interchanges with later  *h*, see *Verbum* i. § 260.
- 10  cup (probably sometimes also a basket, cf.  A 9) Det. in  ¹ *rb*, var.  ² *rb*, 'cup'; hence phon. or phon. det. *rb*, ex.  *rb* 'unite'; *rb*, ex.  *m-rb* 'in the company of' (§ 178). Det. in  ³ *wsh* (*wsh*) 'cup'; hence phon. or phon. det. *wsh* (*wsh*), exx.  *wsh* 'be wide';  ⁴ var.  (O 15) *wsht* 'hall'; *shw*, in  *shw* 'width'. Det. in  ⁵ *hnt* 'cup'; hence phon. *hnt* in  ⁶ var.  *hnwt* 'mistress'. Det. in  ⁷ 'cup'. In words reading *bi*  sometimes replaces older  N 41, ex.  ¹¹⁸ *birw* 'rare treasures'.
¹ *Wb.* i. 40; J&Q. 115; *LAC. Sarc.* ii. 156. ² *Urk.* iv. 770, 15. ³ J&Q. 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*  pot perhaps used also as lamp (O.K.) Phon. *bi* ² in conjunction with  G 29, ex.  *bi* 'soul', or with  E 10, ex.  *Bi-pf(i)* 'Bapfi', a god.¹ Later superseded in these uses by  R 7.
¹ *Ann.* 43, 309. ² Cf. a vessel called *byw* named *Eb.* 4, 9. ³ *Pyr.* 854 (M 386); 1378 (N 1144).
- (Aa 4)  alternative form of last (Pyr.) Use as last.
¹ *Pyr.* 854 (N 657); 1098 (N 1252); 1378 (P 616).

- W11 ¹ (1) ring-stand for jars, (2) red earthenware pot (Dyn. XVIII form, round at bottom)
- (1) Ideo. or det. in ² var.  ³ *nst* 'seat'. For unknown reason,^{3a} phon. *g*. (2) Ideo. or det. in ⁴ var. ⁵ *dsrt* 'red pot'. (3) Occasionally substituted for  O 45 in Dyn. XVIII, ex. 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-twy*. ^{3a} 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. ² *nst* 'seat' and as phon. *g*.³
¹ *DAV. Plak.* i. 13, nos. 255, 258 (*nst, g*). ² *Plak.* (E.R.A.) 32. ³ *Ti 128* (*ghst*).
- 13  red earthenware pot (O.K. form, round at bottom and plain)
- Use as W 11, in O.K. ¹ *dsrt* 'red pot'. In M.K. a sign of this appearance is used for  N 34.²
¹ *Pyr.* 249. ² *JEA.* 4, Pl. 9.
- 14  tall water-pot
- Ideo. or det. in ¹ *hst*, var. O.K. ² *hzt*, 'water-pot'; hence phon. *hs* (*hz*), ex.  var.  *hsi* 'praise'. Det. also in  *snb(t)*, var. *Pyr.*  *znbt*, 'jar'.
- ¹ *AZ.* 37, 95; *LAC. Sarc.* ii. 166. ² *Montet* 393. ³ *Urk.* iv. 874, 3.
⁴ *Pyr.* 1179.
- 15  water-pot with water pouring from it
- Det. in ¹ *kbb* 'be cool' and derivatives;² also in ³ *kbbh* 'libate'.
- ¹ *Urk.* iv. 970, 15 (*kb*). ² Ex. *spbb*, *Urk.* iv. 65, 6. ³ *Amarn.* iv. 3, 8.
- 16  the same in a ring-stand  W 12
- Ideo. or det. in ¹ var. ² *kbbhw* 'libation' and the related words. Much more rarely det. in  *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 ² *hntw* 'racks for water-pots'. Hence phon. *hnt*, ex.  var.  *hnt* '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; *Sagq.* *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  milk-jug as carried in a net¹
- Det. in ² *mhr* 'milk-jug'. From a probably obsolete word  *mr* 'milk-jug', phon. *mi* (old *mr*), exx.  *mi*, var. *Pyr.*  *mr*, 'like' (§ 170);  *dmi* 'town';  var.  *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, *Medum* 21. ⁴ *Pyr.* 1665.
⁵ *CHASS. Ass.* 77. ⁶ The use in *Pyr.* *zmn* (*Wb.* iii. 453) is un-explained.

- W₂₀  milk-jug with a leaf
covering the milk¹
21  twin wine-jars¹

Det. in ² *irtt*, var. O.K. ³ *irtt*, 'milk'.

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

Det. in ² *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.

- 22  beer-jug

Ideo. or det. in ² var.  *hnkt* 'beer'. Det. pot, measure, exx. ¹ *krht* 'vessel';  *ds* (O.K. *ds*) 'des-measure' (§ 266, 1, end); offerings generally, in ² *inw* 'tribute'; notions connected with fluids, ex.  *thi* 'be drunken'.

As det. in the group  'food and drink', see on  X 2.

Ideo. in ³ var. Pyr. ⁴ *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.

- 23  jar with handles

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

¹ *krht* 'vessel'; ² *wrh* 'anoint'. Also in ³ *wdpw* 'butler', see on W 22.

¹ *Th. T. S.* iii. 12.

² *Th. T. S.* iii. 4.

³ *Meir* iii. 25.

- 24  bowl

Phon. *nw*, exx.  *nyw* 'of', m. plur. (§ 86);  *Nwt* 'the goddess) Nut', probably so to be read in spite of the obscure Pyr. var. ¹; ² *hnw* 'vessel'. Initial *nw* is preferably written  or , see on U 19; final *nw* is sometimes written ³ *mnw* 'monument';  *Thnw* 'Libya'. Great difficulty is caused by ⁴ 'primeval waters', which may have existed in two distinct forms (1) *nīw* or *nww* or *nw*, (2) *nnw* or *nwnw*; ^{1a} for (1) see Pyr. var. ^{1b} and a Dyn. XVIII enigmatic equivalent ^{1c}; for (2) see Pyr. var. ^{1d} also the female counterpart ² *nnt* 'the lower heaven', further the personal name  presumably to be read *Nnw* on account of ³ *nn(i)* 'child', and lastly Copt. *ⲛⲟⲩⲛ* 'abyss'. Phon. also *in* (cf.  W 25) in  var. Pyr. ⁴ *ink* 'I' (§ 64). Phon. det. in ⁵, ⁵ *ddt* 'council'; whether the former writing has anything to do with ⁶ *ddrw* 'pot' is doubtful. So too from M.K.  replaces O.K.  in such words as  var. Pyr. ⁷ *kd* 'build';  var. O.K. ⁸ *kd* 'form'; the old phon. det. *o* here is due to the stem-meaning of *kd* 'go round', while the later *o* may be connected with *kd* 'fashion' pots. From M.K. onwards *o* inexplicably accompanies  Aa 27, exx. ⁹ *nd* 'protect'; ⁹ *nd* 'ask'; and is found also in ⁹ *Nhbt* '(the goddess) Nekhbet'.

W 24  (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. ^{1a} Fuller collection of relevant writings, SETHÉ, *Amun und die acht Urgötter* §§ 61, 127. ^{1b} *Pyr.* 207. 446. ^{1c} *Rev. d'Ég.* i. 5.

^{1d} *Pyr.* 1078. 1778. 1780. ² *Pyr.* 1691. ³ GRIFFITH, *Catalogue of the Demotic Papyri in the Rylands Library* iii. 220, n. 14. ⁴ *Pyr.* 141. 1098. See *Sitz. d. Berl. Ak.* 1912, 962. ⁵ *Pyr.* 1713. ⁶ *Éb.* 66, 17. ⁷ *Pyr.* 1597.

⁸ *Urk.* i. 101, 10. ⁹ *D. el B.* 35. Also in the related place-name *Nḥb* 'El-Kâb', *Paheri* 1. ¹⁰ *ÄZ.* 59, 61. ¹¹ MÖLL. *Pal.* i. nos. 495. 497.

25  combination of  W 24 In  var. *Pyr.* ¹ *ini*² 'bring', 'fetch'.
and  D 54

¹ *Pyr.* 913. ² Reading, cf.  W 24 with the value *in* and see *Sitz. d. Berl. Ak.* 1912, 962; also Coptic *enne*.

Sect. X. Loaves and Cakes

X 1  bread¹

Ideo. (or semi-phon. *t*) in  varr. ¹, ² rare var. *Pyr.* ³ *t* 'bread'; the accepted reading *tr* (so in the 1st edition) has no justification. Hence phon. *t*. Note the spellings ⁴, ⁴ for ⁴ *it-ntr* 'god's father', name of a class of elder priests. In group-writing (§ 60) ¹ or ² is used for *t*.⁵

¹ SETHÉ, *Alphabet* 156. Cf. the *Pyr.* var. of n. 3. and the later writing of *it-ntr* with the loaf X 2. ² Common in compounds like *t-rth* 'baked bread', *t-wr* 'large bread', *t-nbs* 'bread of the *nebb*-tree', exx. *BH.* i. 17; cf. the varr. of *t-wr*, *Pyr.* 1946.

2194. ³ *Pyr.* 1723. ⁴ See *ÄZ.* 47, 94; 48, 21-2. ⁵ BURCHARDT § 130.

For  see M 5.2  loaf

Det. bread, exx.  var. ¹ *t* 'bread'; ² *šns* 'šns-loaf'.

For ¹ or ² as *t* in group-writing (§ 60) see on X 1.

The groups ³ or ³, representing bread and beer with or without another sign for bread, occur as generic det.

food, exx. ⁴ *pṛt-hrw* 'invocation offerings' (p. 172);

⁵ *šb* 'meal'; expanded still further in ⁶ *htp(w)-ntr* 'divine offerings'.

On M.K. coffins ⁷ is sometimes substituted for ⁸ *Dḥwtj* 'Thoth' for superstitious reasons,³ and a similar or identical group serves also rarely

for ⁹ *Gb* '(the earth-god) Geb'⁴ or for ¹⁰ *Inpw*

'Anubis'.⁵ From the end of Dyn. XVIII ¹¹ is found

as var. of ¹², ¹³ *it-ntr* 'god's father', a priestly title,

see above under X 1.

¹ Munich 3, 17. Possibly the cursive hieratic ligature seen in *wnmt* 'food', *Sin.*

B 104, is to be resolved similarly. ² *D. el B.* 14. *Sim. Th. T. S.* i. 8., ³ LAC.

TR. 22, 8; see *ÄZ.* 51, 59. ⁴ LAC. *TR.* 29, 1. 26. 28. ⁵ LAC. *TR.* 5, 1.

⁶ L. D., Text, iii. 15; see *ÄZ.* 48, 22.

X₃  alternative form of last Use as last. For  as the earliest form of  N 34 see on that sign.

4  roll of bread

Det. bread, food, exx. ¹ *t* 'bread'; ² *pṛt-hrw* 'invocation offerings'; ³ (Dyn. XVIII), var. M.K. ⁴ *snw* 'food-offerings'. From this last, phon. det. *sn* (*zn*), exx. ⁵ var.  *snī* 'pass by'; ⁷ *Snt* 'Senet', a fem. personal name; cf. also Pyr. ⁸ *iznīi* 'are opened'. In *snī* '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  *fḫ* 'cake', phon. det. *fḫ* in  *fḫ* 'reward'. As det. sometimes takes the place of  W 3 (Dyns. XI. XII), ex. ⁹ *ḥbw* 'festivals'.⁹

¹ Meir ii. 8. Sim. *ḥbt* '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 *snw* 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 (*Wṯg* 'Wag-festival'); CL-VAND. § 33, 10 (*ibid* 'month-festival').

(N 18)  alternative form of last Use as last.

5  semi-hieratic form of  X 4

Det. bread, food (in hieratic only), exx. ¹ *t* 'bread'; ² *ḫw* 'provisions'. From Dyn. XII usually takes the place of  as phon. det. *sn*³ in hieroglyphic  *snī* 'surpass'; ⁵ *m-snt-r* 'in the likeness of' (§ 180).

¹ Pr. 1, 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 *pṛt* 'loaf'. Hence phon. det. in ³ *pṛt* 'antiquity', 'primeval times' and the related words. Apt to be confused with  N 9.⁴

¹ DAV. *Plak.* 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. *pṛty*, Urk. iv. 1168, 6.

7  half-loaf of bread

In O.K. offering-lists described as ¹ *ḡṣw* 'half-loaves' or ² *pḏw* '(pieces) spread out'.^{1a} In Pyr.  or  is ideo. or det. food, exx. ³ *wšb* 'eat'; ⁴ var. ⁵ *wnm* 'eat'. After O.K.  becomes indistinguishable from  N 29 and is practically confined to the word ⁶ var. ⁷ *wnm* 'eat'. Exceptionally, however, as det. in ⁸ *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. *ḥḥt* '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  *rdi*,  *dī* 'give' (§ 289, 1) and also in Pyr.  rare varr. ¹ ² for the more usual imperative  var. M.E.  *imi* '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 *rdi*, cf. the personal name  var. ⁴ and the Pyr. var. ⁵ for  *rdw* '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. ⁶ *dk(r)* 'fruit'. The word ⁷ '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 *špd*.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 ¹ var. Pyr. ² *mdst* 'papyrus-roll', 'book'. Hence phon. *mdst*³ in ⁴ varr. ⁵ ⁶ *mdst* '(sculptor's) chisel'. Det.⁷ writing and things written, exx.  *ss* 'write';  *m(w)dt* 'word';  *hks* 'magic'; also abstract notions, exx.  *msrt* 'truth';  *mrw(y)* 'be new';  *rb* 'know';  *ʿ* '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,*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 ¹ O.K. form of last (also vertically  from Pyr. on in specific cases)² Use as last.

¹ DAV. *Ptah.* 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

EGYPTIAN GRAMMAR

- Y** 3  ¹ scribe's outfit, consisting of palette, bag for the powdered pigments, and reed-holder
- Ideo. or det. in  ^{1a} *mnhd* 'scribe's outfit'; also in  var.  ² *ssw* '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., *Saqq. 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. *Saqq.* 1911-12, Pl. 29; later apparently interpreted as a water-bowl. ^{1a} *Wb.* ii. 83, 3. ² *Rekh.* 2, 16, cf. p. 25. ³ *Sah.* 1; *Pyr.* 906. ⁴ *Herdsm.* 5; *Eb.* 108, 20. *Sim. nr*, *Urk.* iv. 717, 12. ⁵ Exx. *Eb.* 4, 15. 19; 6, 1. ⁶ *P. Kah.* 5, 50; *Hearst* 1, 17. In O.K. scenes *snrr* means 'polish', MONTET 290. 306; *snrr ib* 'make calm', lit. 'smooth the heart', *Pt.* 276; BUDGE, p. 262, 14. ⁷ *Wb.* v. 369. ⁸ BUDGE, p. 110, 2; 262, 5; cf. *AZ.* 60, 74.
- 4  ¹ rarer alternative form of last
- 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.
- 5  draught-board (*znt*) ¹
- For unknown reason, phon. *mn*,² exx.  *mn* 'remain';  *Imn* '(the god) Amün';  *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'.
- 6  ¹ draughtsman
- Ideo. or det. in  ² var.  ³ *ib(i)* 'draughtsman'. Hence phon. *ibz* in  ³ varr.  ⁴ *ibz(w)*, 'dances'.
- ¹ CAPART, *Rue* 69. ² *Rec.* 16, 129, Dyn. XX. ³ *BH.* ii. 7. ⁴ *BH.* ii. 17.
- 7  ¹ harp
- Det. in  ² *bnt (bint)* ³ 'harp'.
- ¹ Thebes, tomb 50. ² *Urk.* iv. 174, 13. ³ *Šardic boint*.
- 8  ¹ sistrum
- Ideo. or det. in  var.  *ssšt* 'sistrum'. Between Dyn. XIII-XVIII occasionally phon. *šhm* (because of  *šhm*, a kind of sistrum²), ex.  ³ *šhm-ir(y)f* 'potentate'.
- ¹ Thebes, tomb 93. ² GARD. *Šin.* 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',  ⁷ 'seven', lit. 'seven units' (§ 259). Following an ideogram | denotes that this means the actual thing that it depicts (§ 25), exx.  *r* 'mouth';  *dw* 'mountain'; so too in duals and plurals, exx.  ² *rw* 'the two arms';  ³ *šrw* 'stars';  ⁴ *šswt* 'countries'; in fem. nouns the fem. ending

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 | is occasionally followed by a det., ex.  *Rr* 'Rē'. Misunderstanding of the function of | often leads to its displacement, exx.  *s* 'man';  *s* 'pool'. It is strange that  is a later writing of *ts* 'earth', while  (also found in Dyn. XVIII)¹¹ is the usual writing in Dyn. XII;  *dmi* 'town' is likewise difficult to explain, as also are many later exx. of the stroke. Already in Pyr. cases occur of ideo. with | 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.  *Nn-nsw* 'Heracleopolis'. Occasionally in Dyn. XII | serves merely to fill an empty space, exx.  *n* 'for';  *d:n-i* 'I ferried across'. In Pyr. | was sometimes used (like \ and o) to replace human figures, these being regarded as magically dangerous¹⁷; so in M.K. coffins, exx.  *i* 'O';  *Ssnb-nf*, a man's name; extensions of this use appear to be the rare employment of | as suffix 1st pers. sing. *i* 'I';²⁰ perhaps also the fairly common writing  *s* 'man'.

¹ Hier. p. 37.² Cairo 20538, ii. c 7.³ Sin. B 271.⁴ Sin. B 45.⁵ AZ. 45, 46.⁶ Urk. iv. 81, 4.⁷ BH. i. 8, 8.⁸ Urk. iv. 1165, 10.⁹ Urk. iv. 102, 15; 615, 11.¹⁰ Sin. B 43.¹¹ Urk. iv. 96, 3; cf. *ib.* 149, 14.¹² Sin. B 306.¹³ AZ. 45, 50.¹⁴ Peas. Bt. 17. Sim. BH. i. 25, 79.¹⁵ Louvre C 1, 11.¹⁶ Brit. Mus. 562, 7.¹⁷ AZ. 51, 22.¹⁸ LAC. TK. 1, 6;

7, 1; 8, 1.

¹⁹ AZ. 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; *Urk.* iv. 1148, 12.

2 | | | stroke | Z 1 thrice repeated (also written  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.  *rnptw* 'years' for O.K.  *ndsw* 'poor men' for O.K. . Examples occur already in Pyr., but very rarely, ex.  *mrw* 'canals'; these suggest as origin of the use a contraction of plurals like  into , but since  are found as plur. det. from Dyn. VI onward (exx.  *wrw* 'roads',  *ndsw* 'poor men') the use of

Z 2 | | | (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. ⁸ *wrrw* 'great ones'; ⁹ *nfrw* 'beautiful', m. plur.; ¹⁰ *nfrt* 'beautiful', f. plur. Sometimes it marks plural meaning in words that are not themselves plural, exx. ¹¹ *sn* 'their'; ¹² *hnyt* 'sailors', a fem. collective (§ 77, 3); ¹³ *rs* 'many'; such plural meaning was probably felt by the Egyptians in words denoting foodstuffs, materials, etc., though singular in form, exx. ¹⁴ *t* 'bread'; ¹⁵ *iwf* 'flesh'; ¹⁶ *hd* 'silver'; so too in fem. participles with neuter meaning, ex. ¹⁷ *dddt* 'what was said', '(things) said' (§ 354). Lastly, | | | is found with abstracts ending in *w* (§ 77, 1), whether these are really plurals or not, exx. ¹⁸ *smsw* 'following'; ¹⁹ *nqsw* 'poverty'; so too with fem. infinitives, if such they be (§ 298, end), ex. ²⁰ *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 *ÄZ.* 51, 18, n. 1.

⁴ Pyr. 292. ⁵ Urk. i. 127, 9. ⁶ Urk. i. 151, 11. ⁷ *ÄZ.* 51, 18. ⁸ Leyd.

V 4, 12. Sim. *ddi(w)*, *Meir* iii. 4; *nhtw*, *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

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

¹ Exx. Leyd. V 4. V 88; Brit. Mus. 572.

² MÖLL. *Pal.* i. nos. 562. 563.

For ° ° ° see on N 33.

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

In Pyr. only as det. duality, exx. ¹ *tn(i)* 'you two' (cf. for the ending ² *sn(i)* 'they two'); ³ varr. ⁴ ⁵ *rw(i)*, also ⁶ *rw(y)*, 'the two arms'; and in O.K., ex. ⁷ *phw(i)* 'end' (§ 77, 1). In some cases \ \ replaced human figures, these being deemed to be magically dangerous, exx. ⁸ *shl(i)* 'the two glorious ones' for ⁹ *syt(i)* 'son and daughter'; ¹⁰ *twi* 'the two images'. The last use survives in M.E. ¹¹ *sdty* 'Crocodilopolite', where, however, the hieratic \ \ replaces, not dangerous signs, but signs difficult to

Z 4 ∖ (continued)

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 *i* (*y*); exx. are ∖ *fy*, var. Pyr. ∖ ¹³ *fi*, 'his two' (§ 75, 2); ∖ *imnty* 'western'; ∖ *sdmty.fy* '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(i)*, 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(i)*, 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.

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

Identical in origin with the stroke ∖ used in Pyr. as substitute for human figures, these being considered magically dangerous, ex. ∖ *smšw* 'elder' for ∖∖∖∖. In M.E. hieratic used only to replace dets. that were difficult to draw,³ exx. ∖ *st* 'moment' for ∖∖∖; ∖ *snit* 'base' for ∖∖∖. In hieratic texts of Dyn. XVIII sometimes in personal names without preceding phon. signs for B 3, ex. ∖ *Ich-ms(w)* 'Aḥmosē' for ∖∖∖∖. Only very rarely to replace complicated or unusual signs in Dyn. XVIII hieroglyphic, ex. ∖ *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. 23, 33. ⁸ *Urk.* iv. 1020, 10. Sim. in *ḥst* 'glory', *ib.* 385, 4. As
 det. in *smḏt* 'staff' (of temple), *Paheri* 9, 39, perhaps by confusion for ∖ D 13.

6 ∖ ¹ hieratic substitute for A 13 or A 14.²

Det. death, enemy, exx. ∖ *m(w)t* 'die'; ∖ *ḥpt* 'decease'; ∖ *ḥft(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 égyptien* i. 18. ⁵ *Eh.* 109, 17.

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

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

EGYPTIAN GRAMMAR

Z 8  oval

Det. round, in ¹ *šnw* 'circuit' and the related words.
A different sign from  N 18.

¹ *D. el B.* 156.

(N 33)  circle

Det. round, from O.K.¹ onwards common in words from the stem *ḳd(i)* 'go round', exx. ² *ḳḏw* 'builders'; ³ *ḳd* 'character'. From Dyn. XI increasingly often replaced by  W 24.

¹ Exx. *ḳd* 'form', *Urk.* i. 101, 10. 12; *ḳd* 'mould', *Pyr.* 1597.

² Cairo 20609, a 6. ³ Brit. Mus. 614, 8.

(M 44)  triangle?

Ideo. or det. in  var.  *špd* (*špd*) 'sharp', unless it is there a thorn, as in  *srt* 'thorn', see on M 44. In ¹ *t-ḥḏ* 'white bread' it signifies a loaf of triangular shape.

¹ *Urk.* iv. 770, 9.

Z 9  two sticks crossed

Det. break, exx. ¹ *ḥḏi* 'damage'; ² *gmgm* 'break'; divide, exx.  *wpi* 'divide';  *psš* 'divide';  *ḥbi* 'lessen', 'subtract'; actions involving something crossed or encountered, exx. ³ *ḏi* 'cross';  *wšb* 'answer'; ⁴ *ibḥ* 'be united'; also in many words where the reason is not apparent,⁵ exx. ⁷ *nkt* 'matter', 'trifle'; ⁸ *tsš* 'boundary'; ⁸ *wḏi* 'emit (sound)'. In  *ḥsb*, var. O.K.  *ḥsb*, 'reckon', lit. 'break up (numbers)'⁹ $\times$ (Z 10), the prototype of $\times$, has become  Aa 2; but in $\times$ *ḥsb* ' $\frac{1}{4}$ ' (§ 265) the sign has survived as an ideogram. Owing to its use as det. in certain stems, $\times$ has acquired special phon. or semi-phon. values as follows: (1) *swi*, in ¹⁰ varr. ¹¹ $\times$ ¹² *swi* (*šwi*) 'pass by', from ¹³ var. $\times$ ¹⁴ *swi* (*zswi*) 'cut off'; (2) *sd*, in $\times$ ¹⁵ var. *Pyr.* ¹⁶ *sd* 'flame', from ¹⁷ *sd* 'break'; (3) *ḥbs*, in $\times$ ¹⁸ var. ¹⁹ *ḥbsw* 'ploughlands'; (4) *šbn*, in $\times$ ²⁰ var. ²¹ *šbn* 'mixed', 'various'; (5) *wḥ*, in $\times$ ²² var. Dyn. XX ²³ *wḥ st* 'specify it', a phrase serving to introduce details of accounts; (6) *wr* (reason unknown), exx. ²⁴ *sw(r)i* 'drink'; ²⁵ var. ²⁶ *ḥpr-wr*, a medicament.

¹ *Siut* 1, 224. ² LAC. TR. 10, 9. ³ *Sin.* B 13. ⁴ *Leb.* 4. ⁵ *Sin.* R 8.

⁶ See *ÄZ.* 49, 119. ⁷ *Rekh.* 2, 12. ⁸ *Sin.* B 140. ⁹ *ÄZ.* 49, 116;

SrTHE, Zahlworte 77. ¹⁰ *Peas.* B 1, 8. ¹¹ *Sin.* B 14. ¹² *Sin.* R 39.

¹³ LAC. TR. 7, 4. Sim. in O.K., *Ti* 110. ¹⁴ *Rekh.* 2, 13. ¹⁵ *Sh. S.* 56; for

the reading see DAV. *Plah.* i. p. 29 and Akhm. *chñcete* 'holocaust', *ÄZ.* 48, 36.

¹⁶ *Pyr.* 124. Sim. *Dend.* 37 F. ¹⁷ LAC. TR. 10, 7. ¹⁸ *Th. T. S.* i. 30.

¹⁹ *Th. T. S.* i. 7. ²⁰ *P. Kah.* 15, 68; *Urk.* iv. 769, 9. So usually written in

phrases like *t šbn* 'various loaves'. ²¹ *Hal-Nub* 11, 14. ²² P. Gurob A

(unpublished), vs. 2, 18, end of Dyn. XVIII; so often later. ²³ *P. Kah.* 40, 3; cf.

wḥt 'specification', GRIFFITH, *Kahun Papyri*, p. 20. ²⁴ *Eb.* 21, 13-14. ²⁵ *Eb.*

96, 3. Sim. *st-wr, ib.* 9, 13. ²⁶ *Eb.* 96, 10.

Z 10 $\times$ ¹ O.K. form of last

Use as last.

¹ Exx. *Medum* 15 (*hšb*); *Ti* 110 (*swi*). See *ÄZ.* 49, 116.11 $\dagger$ two planks crossed and joined⁰

Ideo. (?) in $\dagger\dagger$ varr. $\dagger$, $\dagger$ *imy* 'who is in' (§ 79) and derivatives. Hence (?) phon. *imi*, ex. $\dagger$ var. $\dagger$ *imi* 'not be' (§ 342). Since in hieratic $\dagger$ is often identical with $\dagger$ M 42, Dyn. XVIII hieroglyphic writes $\dagger$ var. O.K. $\dagger$ for old $\dagger$ var. $\dagger$ *wnm* 'eat'; so too $\dagger$ for $\dagger$ *wndwt* 'subjects'.

⁰ *Hier.* p. 37.¹ *Urk.* iv. 497, 17; BUDGE, p. 100, 14.not a careless form of $\dagger$.² BUDGE, p. 18, 15; 19, 2.³ *ÄZ.* 42, 10, if⁴ *MAR. Abyd.* ii.30, 28, where $\dagger$ is wrongly written for $\dagger$.

Sect. Aa. Unclassified

Aa 1 $\odot$ ¹ human placenta?²Cf. $\odot$ ³ *h* 'placenta (?)'. Hence (?) phon. *h*.¹ Ex. *Five Th. T.* 3.² *Sak. Text.* 77; *JEA.* iii. 235.³ *JEA.* iii. 243.2 $\odot$ pustule or gland?¹

Det. bodily growths or conditions, especially of a morbid kind, exx. $\odot$ ² *wbnw* 'wound'; $\odot$ ³ *bryt* 'disease'; $\odot$ ⁴ *whd* 'suffer'; $\odot$ ⁵ *hpi* 'navel' (whence phon. *hp(i)* in $\odot$ ⁶ var. $\odot$ ⁷ *hpw* 'sculptured reliefs'); fat, distended, exx. $\odot$ ⁸ *ddi* 'fat'; $\odot$ ⁹ *šfw* 'swell'. Replaces a number of O.K. signs that have become obsolete:—(1) $\odot$ = Pyr. $\odot$ V 38, as ideo. or det. in $\odot$ ¹⁰ *wt* 'bandage'; $\odot$ ¹¹ *wt* 'embalmer'; $\odot$ ¹² *sdwh* 'treat', 'embalm'. (2) $\odot$ = O.K. $\times$ Z 10, as det. in $\odot$ ¹³ abbrevv. $\odot$ ¹⁴ $\odot$ ¹⁵ *hšb* 'reckon'; everywhere else $\times$ has survived as $\times$ Z 9. (3) $\odot$ = Pyr. $\odot$ F 52 or O.K. $\odot$ N 32, as det. excrement, in $\odot$ ¹⁶ *hs* 'excrement'; smell, in $\odot$ ¹⁷ *sty* 'odour'; clay, in $\odot$ ¹⁸ *šin* 'clay'. (4) $\odot$ = O.K. $\odot$ W 6, as ideo. or det. in $\odot$ ¹⁹ var. $\odot$ ²⁰ *whst* 'cauldron'; hence phon. *whi* in $\odot$ ²¹ var. O.K. $\odot$ ²² *Whst* 'Oasis'. (5) $\odot$ = $\odot$ W 7, as det. in $\odot$ ²³ *mst* 'granite'; $\odot$ ²⁴ *šbw* 'Elephantine'. (6) $\odot$ = $\odot$ V 32, det. in $\odot$ ²⁵ *gw*, prob. for $\odot$ ²⁶ *grwt* 'bundles'; hence phon. det. *g* in $\odot$ ²⁷ *grw* 'be narrow'. (7) $\odot$ = $\odot$ M 41, det. in $\odot$ ²⁸ *čš* 'cedar'.

¹ Conjectured from the very frequent use in the medical papyri and from $\odot$ Aa 3.² *Eb.* 70, 2.³ *Eb.* 36, 14.⁴ *Adm.* p. 104.⁵ *Eb.* 100, 19. Cf. *JEA.*

iii. 203.

⁶ *Urk.* iv. 422, 11.⁷ *Urk.* iv. 425, 2.⁸ *Peas.* B 1, 62.⁹ *Eb.* 108, 3.¹⁰ *Eb.* 39, 18.¹¹ *BH.* i. 18.¹² *Eb.* 6, 17. For thereading *sdwh*, not *stwh*, see *Urk.* iv. 913, 17.¹³ *D. el B.* 79.¹⁴ *Th. T. S.* i. 27.¹⁵ *Cairo* 20296, i.¹⁶ BUDGE, p. 123, 7.¹⁷ *Eb.* 71, 17.¹⁸ *LAC. TR.* 72, 42.¹⁹ *NAV.* ch. 17, 68.²⁰ *Eb.* 65, 18.²¹ *Puy.* 31; reading, see *ÄZ.* 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.

- Aa 3**  pustule or 'gland (?)'  Rarer alternative of  in its medical or anatomical use, as **Aa 2** with liquid det. when soft matter or a liquid is meant, exx. ¹ *wsšt* 'urine'; ² *is* 'soft inner parts (?)'. Also det. in ³ *sšt* '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** ¹ part of the steering gear of ships? Ideo. or det. in Pyr. ² var. ³ *hpt* in the phrase ⁴ *ili hpt* 'take the *hpt*', i.e. 'proceed by boat', *r* to a place; cf. M.K. ⁵ *dsr hpwt* 'direct the *hpwt*' (plur.), i.e. 'sail'⁶. From M.K. there is a word ⁷ *hpt* 'oar', but the writing  in Pyr. makes it impossible to interpret that word as meaning 'oar' from the start.⁸ Hence phon. *hp*, exx. ⁹ *Hpy* 'Hepy', one of the four sons of Horus; ¹⁰ *hp* 'Apis-bull'. The full stem may have been *hip*, cf. Pyr. ¹¹ *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.* 31; *Meir* ii. 17, no. 66. ² *Pyr.* 873. ³ *Pyr.* 1346. ⁴ *AZ.* 62, 4, n. 3. ⁵ Brit. Mus. 6655, qu. KEES, *op. cit.* 221. ⁶ See KEES, *op. cit.* 74 foll. ⁷ PETRIE, *Gizeh and Kifih* 13 G. ⁸ *Meir* i. 11. ⁹ *Pyr.* 1081.

- 6** ¹ doubtful (different from  **S 23**) Det. in ² *tms* (from *tms*?) 'mat'. Hence (?) phon. det. *tms* in ³ var. ⁴ *tms* '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** ¹ doubtful (in Dyn. XVIII often reversed ) Det. or phon. det. *skr* (*skr*) in ² varr. ³, ⁴, ⁵ *skr* (*skr*)⁶ 'smite'.

¹ Exx. O.K., *Ti* 60; *Sah.* 1. 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-nhw* 'prisoners of war'. ⁶ *Sin.* R 14, 15. ⁷ In O.K. regularly written without *r*, exx. *Ti* 60; CAPART, *Rue* 33; *Pyr.* 1138, 1431.

- 8** ¹ irrigation runnels as in  **N 24?** Ideo. or det. in ² var. ³ *dstt* 'estate' in the title ⁴ 'steward of the estate'; the meaning of *dstt* and the interpretation of  here depend on the not improbable identification of this title with ⁵ (var. ⁶)⁷ in another tomb of Dyn. XII; the word ⁸ var. ⁹ 'estate' would in this case read *dstt*. Hence phon. det. in Dyn. XVIII ¹⁰ var. O.K. ¹¹ *dsdit* 'magistrates', 'assessors'. For an unknown reason,

Aa 8  (continued)

phon. *kēn*,⁹ exx. ¹⁰ *kēn* 'complete', 'be complete'; ¹¹ *kēn* '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 ¹² 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  *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 *Hstty*,²³ the writing  on the Table of Abydos and the *Οὐσαφαις* 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 I, 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. *kēn* 'complete', see next note; also from varr. of a very late word *kēn* 'throne', compare CHASSINAT, *Mammisi* 76 with ROCHEMONTREIX, *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  *Sebekkhu* 1 is more doubtful. ¹⁴ *Sin.* B 9. ¹⁵ *Sin.* R 34. ¹⁶ Cf. Louvre C I, vert. 7. ¹⁷ Cf. *Hamm.* 48, 9. ¹⁸ Especially in the title of Hathor, *hrt-tp 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 *smty* 'the two deserts', *Urk.* iv. 383, 15. ²² *Unt.* iii. 24; GAUTHIER, *Livre des Rois*, i. 6. ²³ Sethe and Gunn, however, preferred *Hstty*, see *Ann.* 28, 155.

9 ¹ doubtful

Det. in ¹ *hwd* '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 *hwdt*, 'portable chair', *Wb.* iii. 250, 3.

10 ¹ doubtful

Det. in ¹ *drf* 'writing'.

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

11 ¹ doubtful¹ (sometimes vertically  or )

For an unknown reason, phon. *mt* in ¹ var.  *mtt* 'truth' and the related words. Note specially often the writing  *mtt-hrw* 'true of voice' (§ 55). As a pedestal det. in ² *tnnt* 'raised platform', a unique writing (?).

¹ Neither the form nor the value suits the identification with the flute (*mt*) sometimes upheld. According to Kristensen (*Het leven uit den dood* 71) and others (*Griff. Stud.* 45; *Kēmi* 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. *Plak.* i. 17, no. 393.

For ,  see U 4. 5.

Aa 13  ¹hardly the two ribs of Ideo. or det. in O.K.  *im*, plur.  *imw*, a part of the an oryx as has been suggested ² body.² Hence (?) phon. *im*, exx.  *imi* 'give', imper. (§ 336);  *imw* 'boat'; also, from Dyn. XVIII on, phon. *m*.³ Ideo. also in  var.  *gs*, varr. Pyr.  ⁴ *gs*, 'side', 'half'. Hence phon. *gs*, exx.  ⁵ var.  *gs* 'anoint';  ⁶ var.  ⁷ *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 I, 305. ⁹ MASPERO, *Trois Années de Fouilles*, Pl. 2; see *Sphinx* 12, 117.

14  ¹ O.K. form of last

Use as last.

¹ Exx. DAV. *Plak.* i. 17, nos. 380-2 (*im*).

15  ¹ alternative form of  Aa 13 (Dyn. XVIII)

Use as last.

¹ Exx. *Paheri* 3; *Amarn.* i. 26 (prep. *m*). This straight form is usual from late Dyn. XVIII on.

16  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  ¹ back of something ² (O.K. and M.K. form)

Ideo. in  *ss* (*ss*) 'back', Coptic *soi*. Hence phon. *ss* (*ss*),³ exx.  *sswt* 'walls';  *ssi* 'be satiated';  *ss* 'be skilled'.

¹ O.K. forms, *Sagg. 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  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*).

18  ¹ Dyn. XII-XVIII form of last

Use as last. In group-writing (§ 60)  or  is used for *s*.²

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  ¹ doubtful (different from  V 19)

For unknown reason, phon. det. *hr*, exx.  ¹ *hr* 'prepare';  *hryt* 'dread'. Also det. in  *tsr* 'preserve (?)' and derivatives.²

¹ *D. el B.* 69. ² *Wb.* v. 355; *Adm.* p. 89; *AZ.* 68, 21.

20  ¹ doubtful ²

For unknown reason, phon. *pr* in  var.  ³ *pr* 'equip' and derivatives.

¹ O.K. forms, *Sah.* 52 (elaborate as in Dyn. III, see WEILL, *Ile. et IIIe. Dynasties*, Pl. 4); *Ti* 25; Dyn. XVIII, *D. el B.* 91; *Puy.* 12. ² Clearly not identical with the counterpoise *mrnht*, for which see JÉQ. 65-6. ³ *Pyr.* 1465; Louvre C 14, 7.

21  ¹ a carpenter's tool?

Ideo. (?) or det. in  varr.  ², O.K.  ³ *wgr* 'sever', 'judge'. In M.K. coffins  or  is sometimes used as a substitute for the god  *Sth* 'Seth'.⁴

¹ Exx. O.K., DAV. *Plak.* 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  U 35.

25  ¹ doubtful ^{1a}

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

¹ Ex. *Sah.* 32. ^{1a} 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. ² *Ikhern.* 16. Sim. *Siut* 1, 268. ^{2a} Cairo 20538, ii. c 6, confirmed by the writing *smz-tz* of the later form of the word *smty*, GARDINER, *Late-Eg. Miscellanies* 112, 16. ³ *Annals of Archaeology* (Liverpool), iv. 103. ⁴ On account of *s* apparently not derived from the stem *smz* 'unite'.

26  ¹ doubtful

Phon. det. *sbi* (*šbi*) in  ² *sbi* (*šbi*) 'rebel'. Often replaced by  T 14.

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  W 24.

¹ Exx. O.K., *Medum* 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 (different from  M 40 and  P 11)

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. *Sagq.* 1911-12, Pl. 17 and p. 26). ² *Siut* 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.  O I I ² (sometimes written horizontally  ³)

Ideo. or det. in  ⁴ *hkr* 'be adorned';  ⁵ *hkrw* '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; SCHARFF 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  T 10.

EGYPTIAN GRAMMAR

INDEX TO THE FOREGOING SIGN-LIST

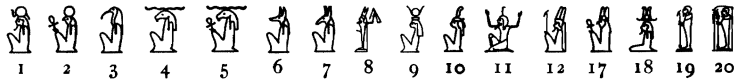
Sect. A. MAN AND HIS OCCUPATIONS



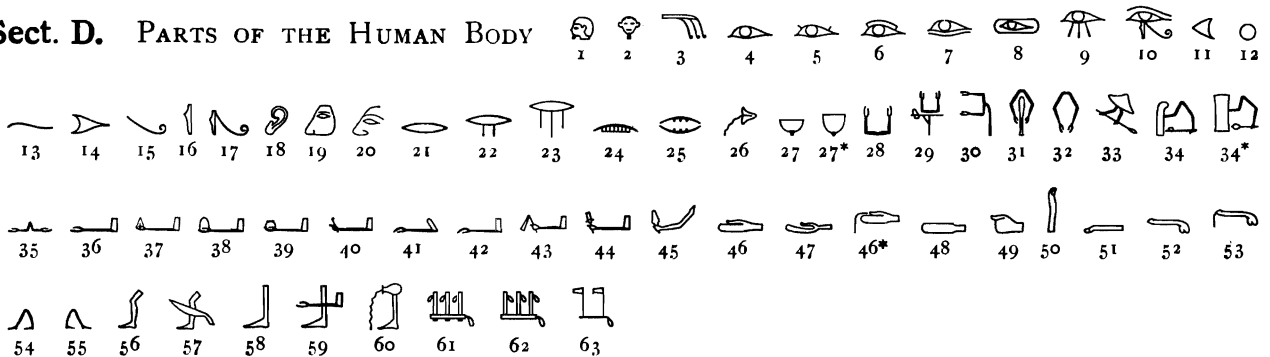
Sect. B. WOMAN AND HER OCCUPATIONS



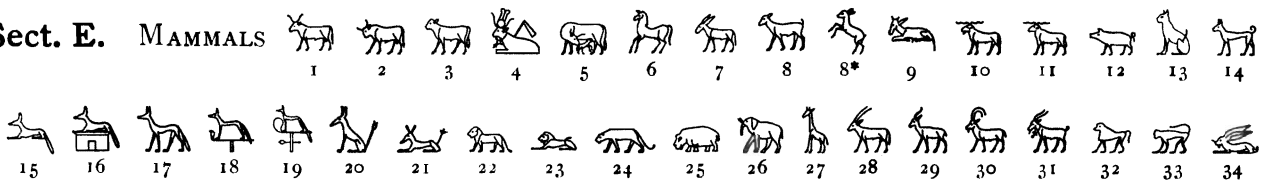
Sect. C. ANTHROPOMORPHIC DEITIES



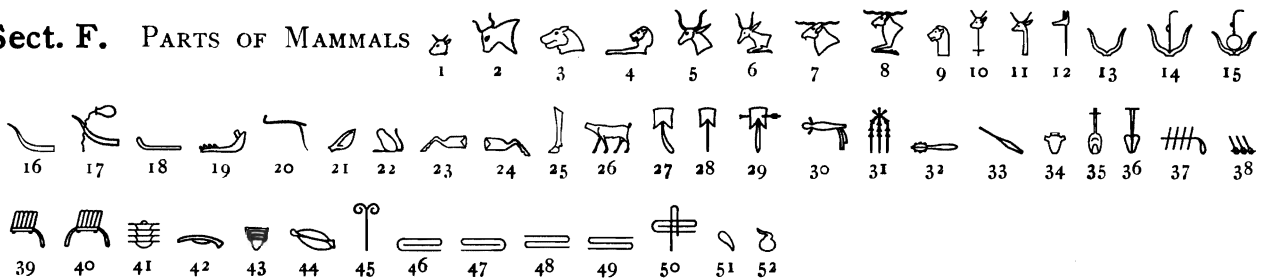
Sect. D. PARTS OF THE HUMAN BODY



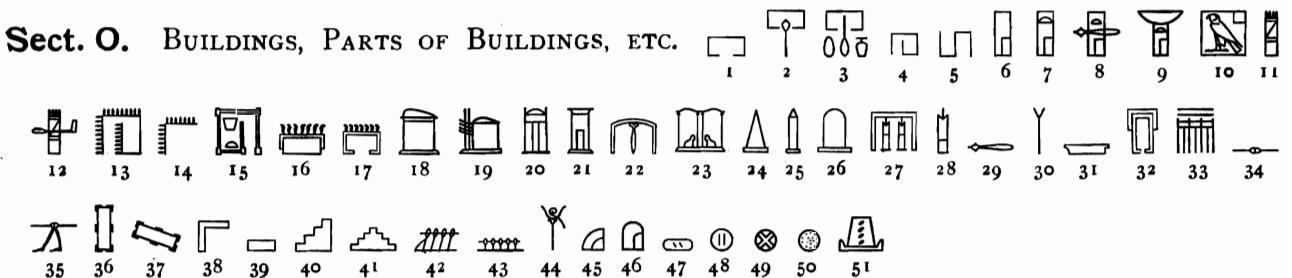
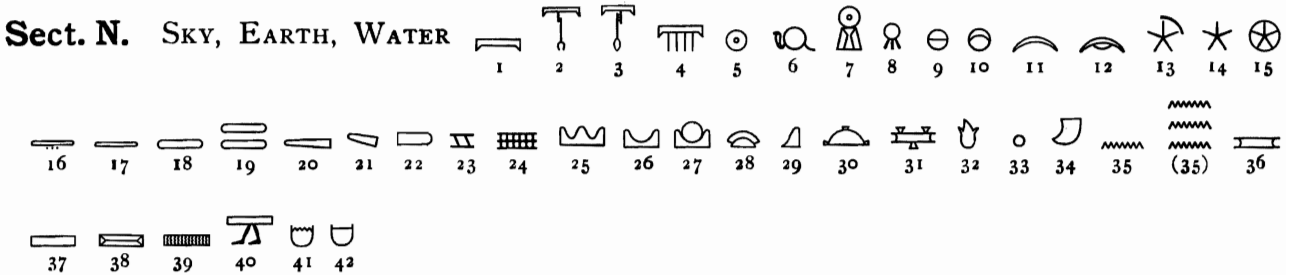
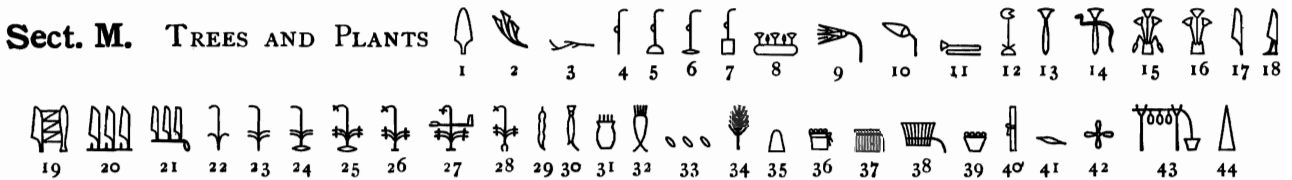
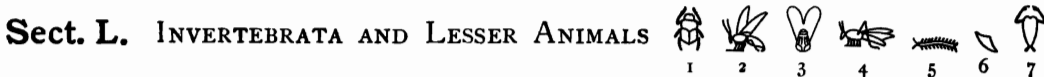
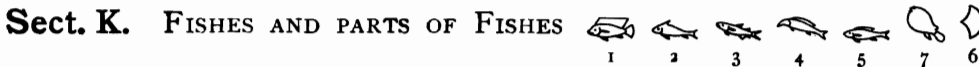
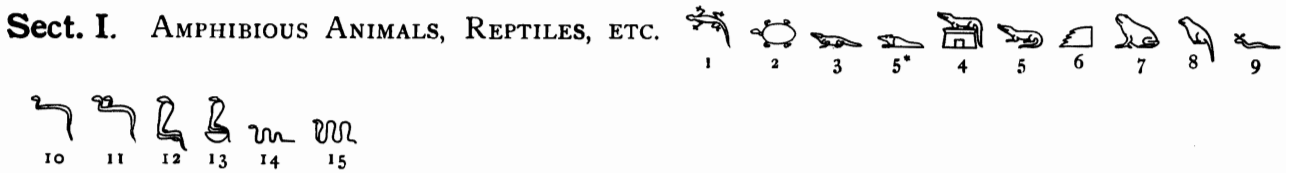
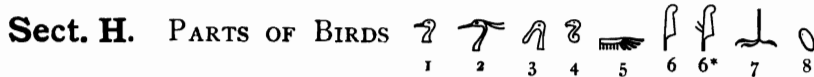
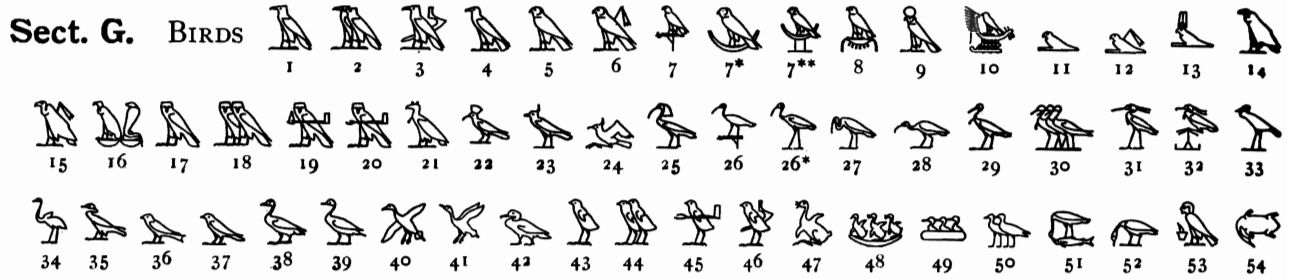
Sect. E. MAMMALS



Sect. F. PARTS OF MAMMALS

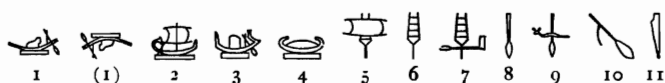


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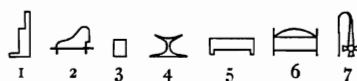


EGYPTIAN GRAMMAR

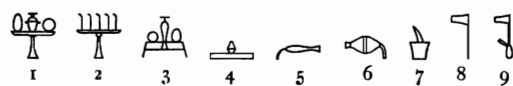
Sect. P. SHIPS AND PARTS OF SHIPS



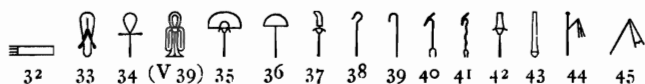
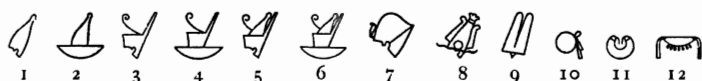
Sect. Q. DOMESTIC AND FUNERARY FURNITURE



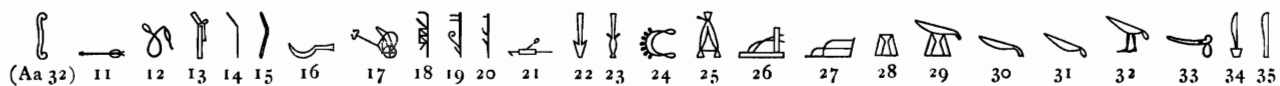
Sect. R. TEMPLE FURNITURE AND SACRED EMBLEMS



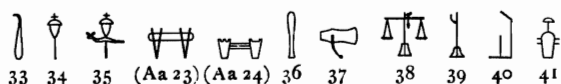
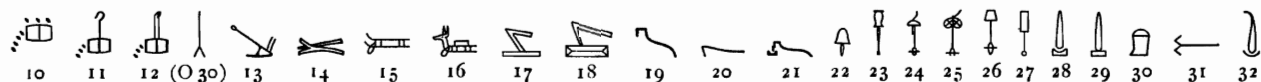
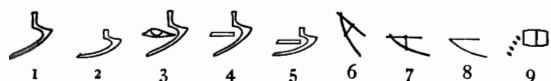
Sect. S. CROWNS, DRESS, STAVES, ETC.



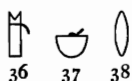
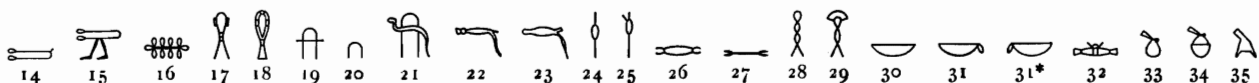
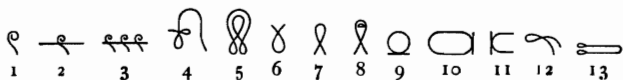
Sect. T. WARFARE, HUNTING, BUTCHERY



Sect. U. AGRICULTURE, CRAFTS, AND PROFESSIONS



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

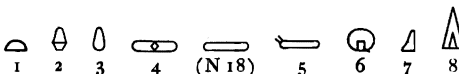


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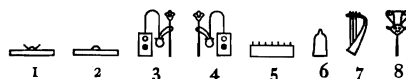
Sect. W. VESSELS OF STONE AND EARTHENWARE



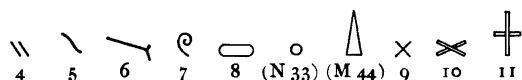
Sect. X. LOAVES AND CAKES



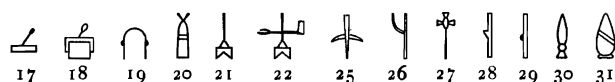
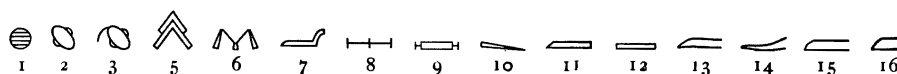
Sect. Y. WRITINGS, GAMES, MUSIC



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



Sect. Aa. UNCLASSIFIED

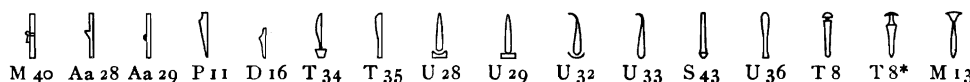


For reasons explained p. 442, top, the following signs have been removed from the place to which they were originally assigned and now stand at some distance from the positions indicated by the attached letter and number: A 59 , see after A 25; S 17* , see after S 22; V 39 , see after S 34; Aa 4 , see 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  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.

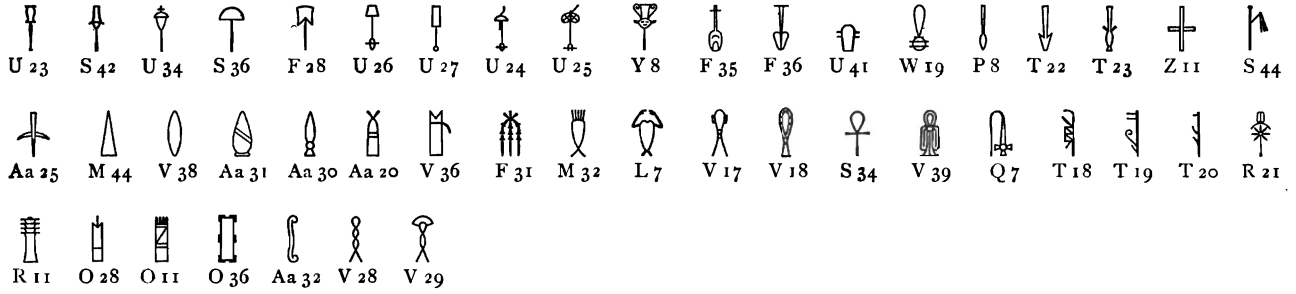
A SELECTION OF SIGNS GROUPED ACCORDING TO SHAPE

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.

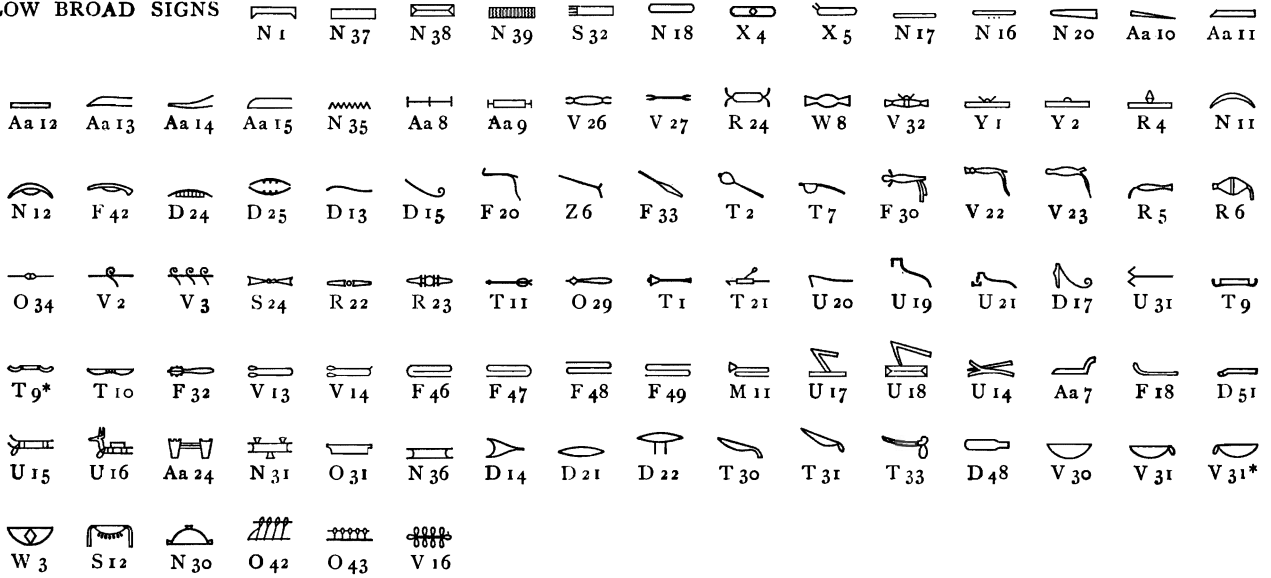
TALL NARROW SIGNS



EGYPTIAN GRAMMAR



LOW BROAD SIGNS



LOW NARROW SIGNS

