

LES  
PÉDICULINES



B-VII-2A

1464.046



# LES PÉDICULINES.



B-VII

24

# LES PÉDICULINES.

ESSAI MONOGRAPHIQUE

PAR

E. PIAGET,

MEMBRE DE LA SOCIÉTÉ ENTOMOLOGIQUE DES PAYS-BAS.

---

II.

PLANCHES.

---

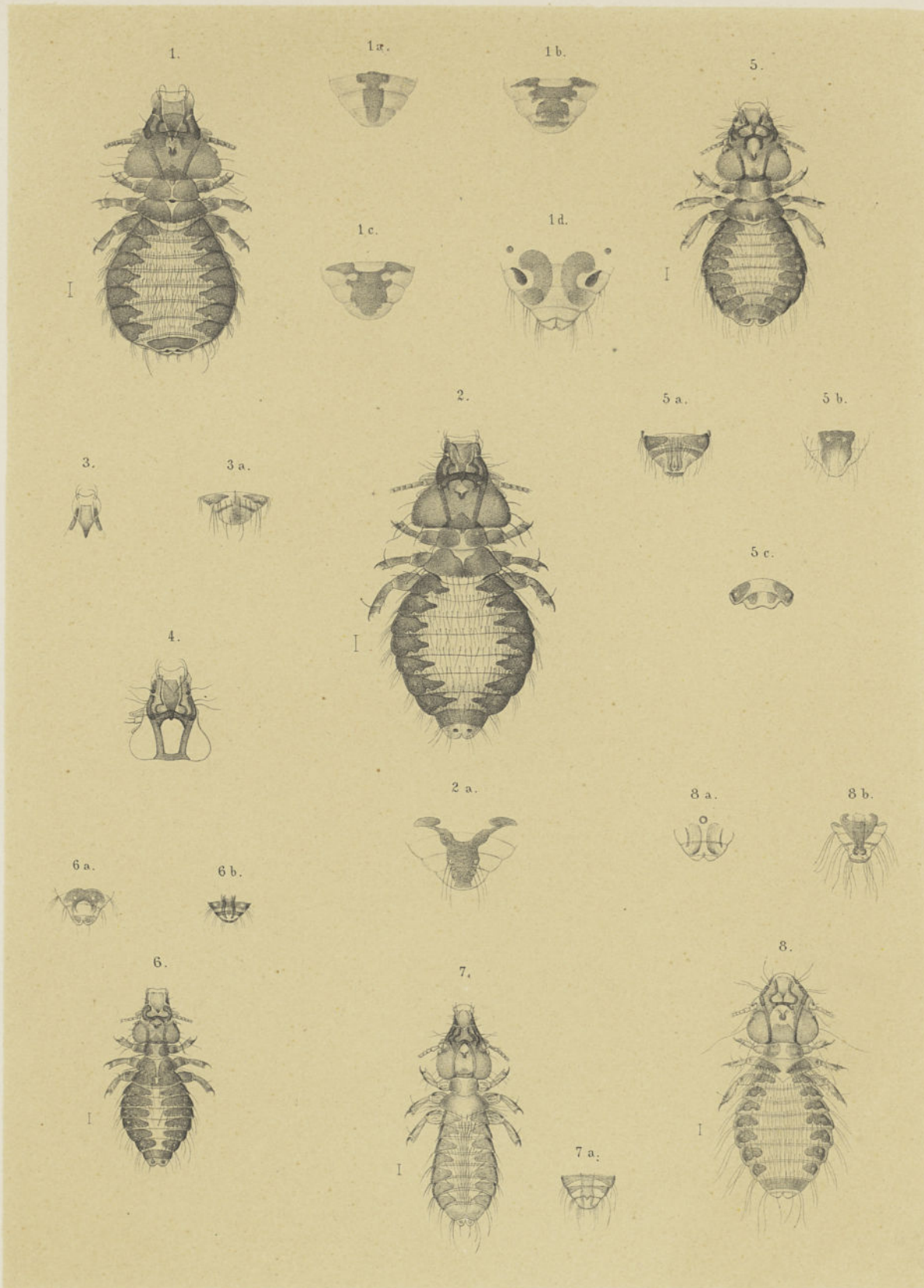
LEIDE, E. J. BRILL.

1880.

## PLANCHE I.

---

- Fig. 1 *Docophorus platystomus* ♀.  
" 1a tache génitale ♂ du *platyrhynchus*.  
" 1b tache génitale ♂ du *platystomus*.  
" 1c tache génitale ♂ du *macrocephalus*.  
" 1d tache génitale ♀ du *platystomus*.  
  
" 2 *D. intermedius* ♀.  
" 2a tache génitale ♂ de l'*intermedius*.  
  
" 3 clypéus du *D. gonorhynchus*.  
" 3a derniers segments de l'abd. ♂.  
  
" 4 tête de la var. *rotundata*.  
  
" 5 *D. cursor* ♀.  
" 5a derniers segments de l'abd. ♂.  
" 5b tache génitale ♂.  
" 5c derniers segments de l'abd. ♂.  
  
" 6 *D. nudipes* ♀.  
" 6a tache génitale ♀.  
" 6c derniers segments ♂.  
  
" 7 *D. rostratus* ♀.  
" 7a derniers segments ♂.  
  
" 8 *D. ceblebrachys* ♀.  
" 8a taches génitales ♀.  
" 8b " " ♂.
-



E. Piaget fec.

P.W.M. Trap impr.

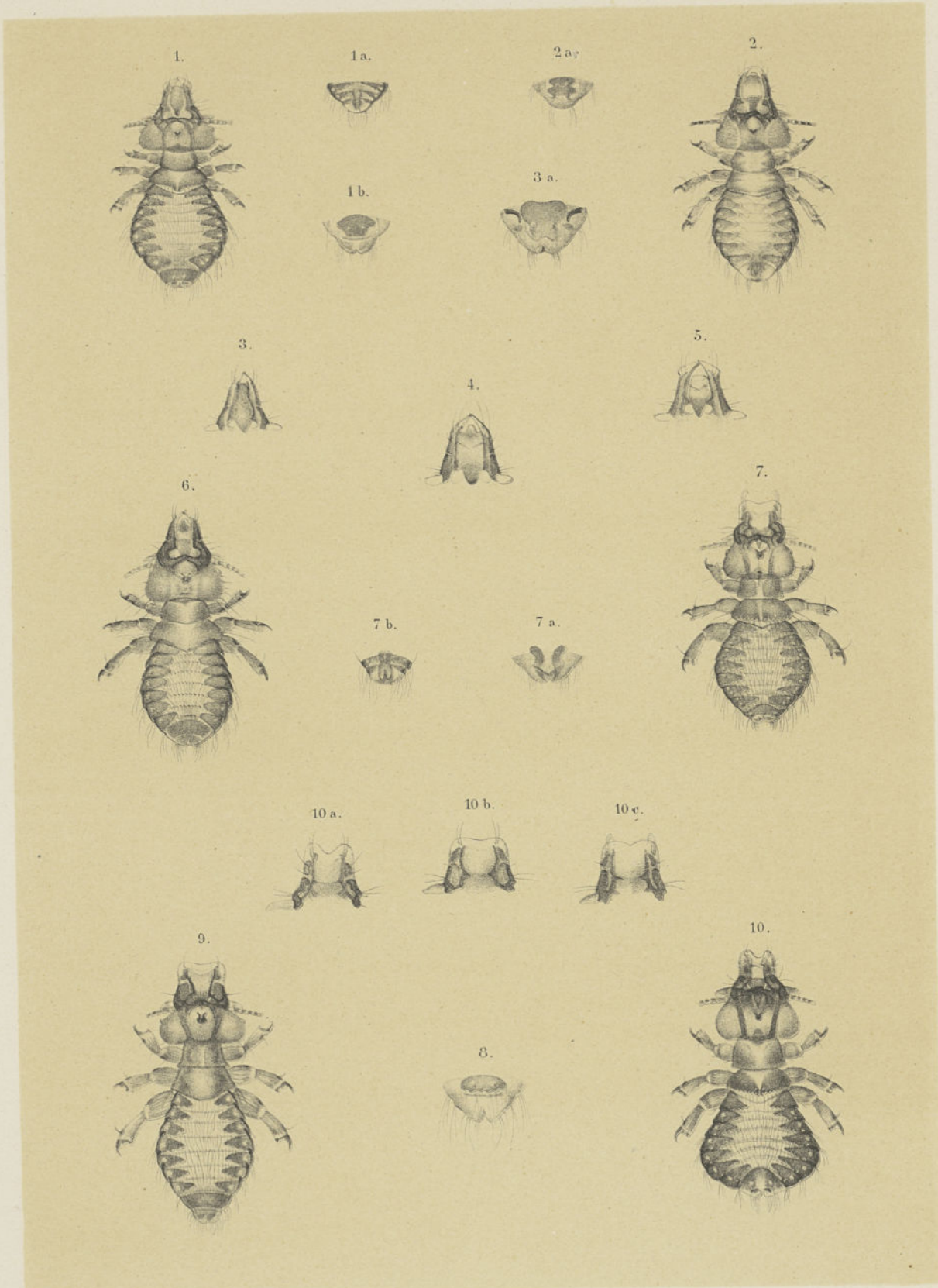
A.J. Wendel lith.

## PLANCHE II.

---

- Fig. 1 *Docophorus forficula* ♀.  
" 1a derniers segments ♂.  
" 1b tache génitale ♀.
- " 2 *D. protrusus* ♂.  
" 2a tache génitale ♂.
- " 3 clypéus du *D. angustoclypeatus*.  
" 3a tache génitale ♀.
- " 4 " " *D. forficula* grossie.
- " 5 " " *D. protrusus* grossie.
- " 6 *D. assimilis* ♀.
- " 7 *D. latifrons* ♀.  
" 7a taches génitales ♀.  
" 7b derniers segments ♂.
- " 8 tache génitale ♀ de l'*assimilis*.
- " 9 *D. laticlypeatus* ♀.
- " 10 *D. obcordatus* ♀.  
" 10a clypéus de l'*obcordatus* grossi.
- " 11b " du *laticlypeatus* "  
" 11c " du *latifrons* "
-





E. Piaget fec.

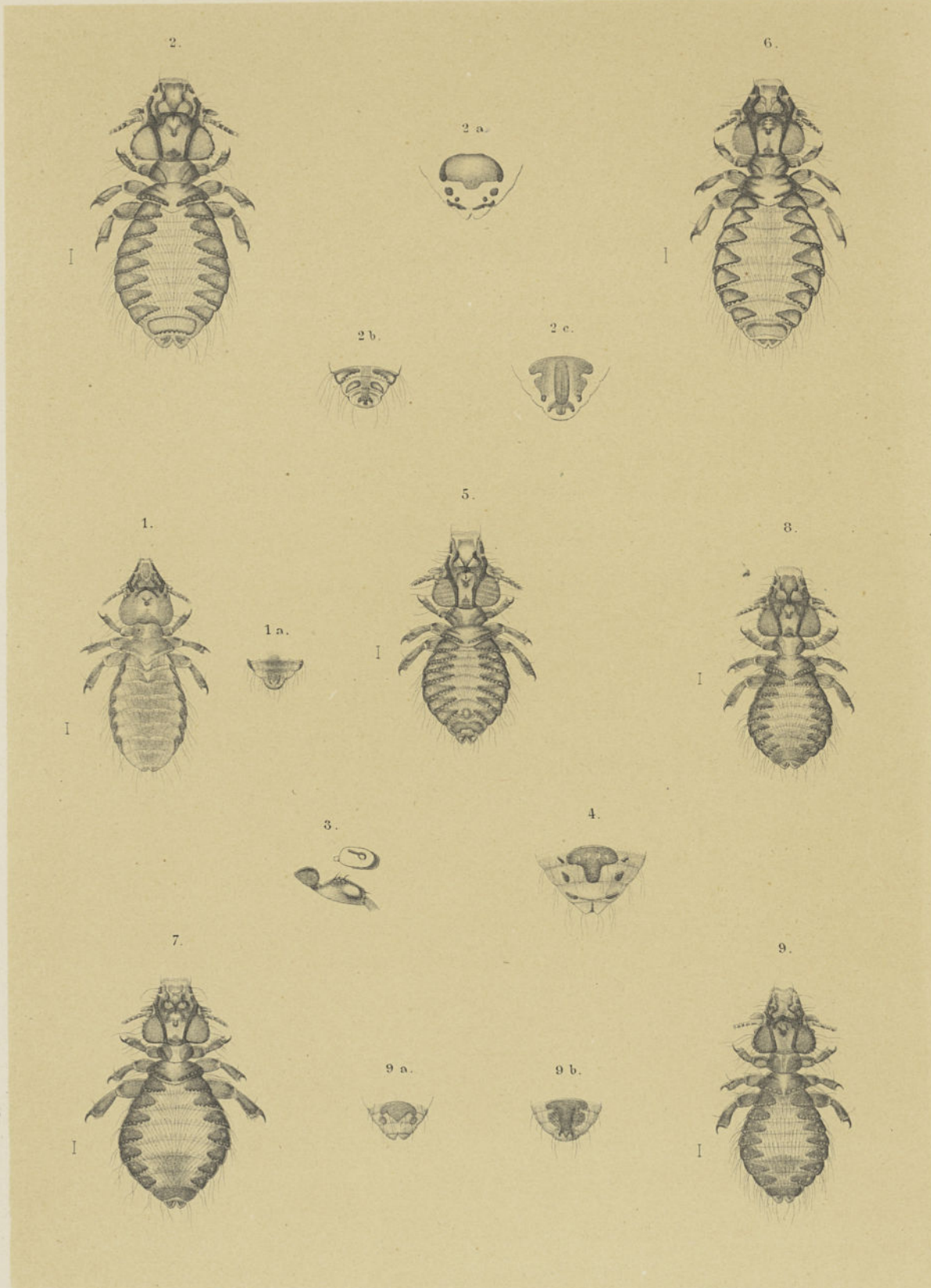
P.W.M. Trap impr.

A.J. Wendel lith.

## PLANCHE III.

---

- Fig. 1 *Docophorus superciliosus* ♀.  
" 1a derniers segments ♂.
- " 2 *D. atratus* ♀.  
" 2a taches génitales ♀.  
" 2b derniers segments ♂.  
" 2c tache génitale ♂.
- " 3 fémur du *D. ocellatus* comparé au dessin de  
Nitzsch.
- " 4 tache génitale ♀ du *D. guttatus*.
- " 5 *D. rotundatus* ♀.
- " 6 *D. albidus* ♀.
- " 7 *D. crassipes* ♀.
- " 8 *D. subcrassipes* ♀.
- " 9 *D. fulvus* ♀.  
" 9a tache génitale ♀.  
" 9b " " ♂.
-



E. Piaçet fec.

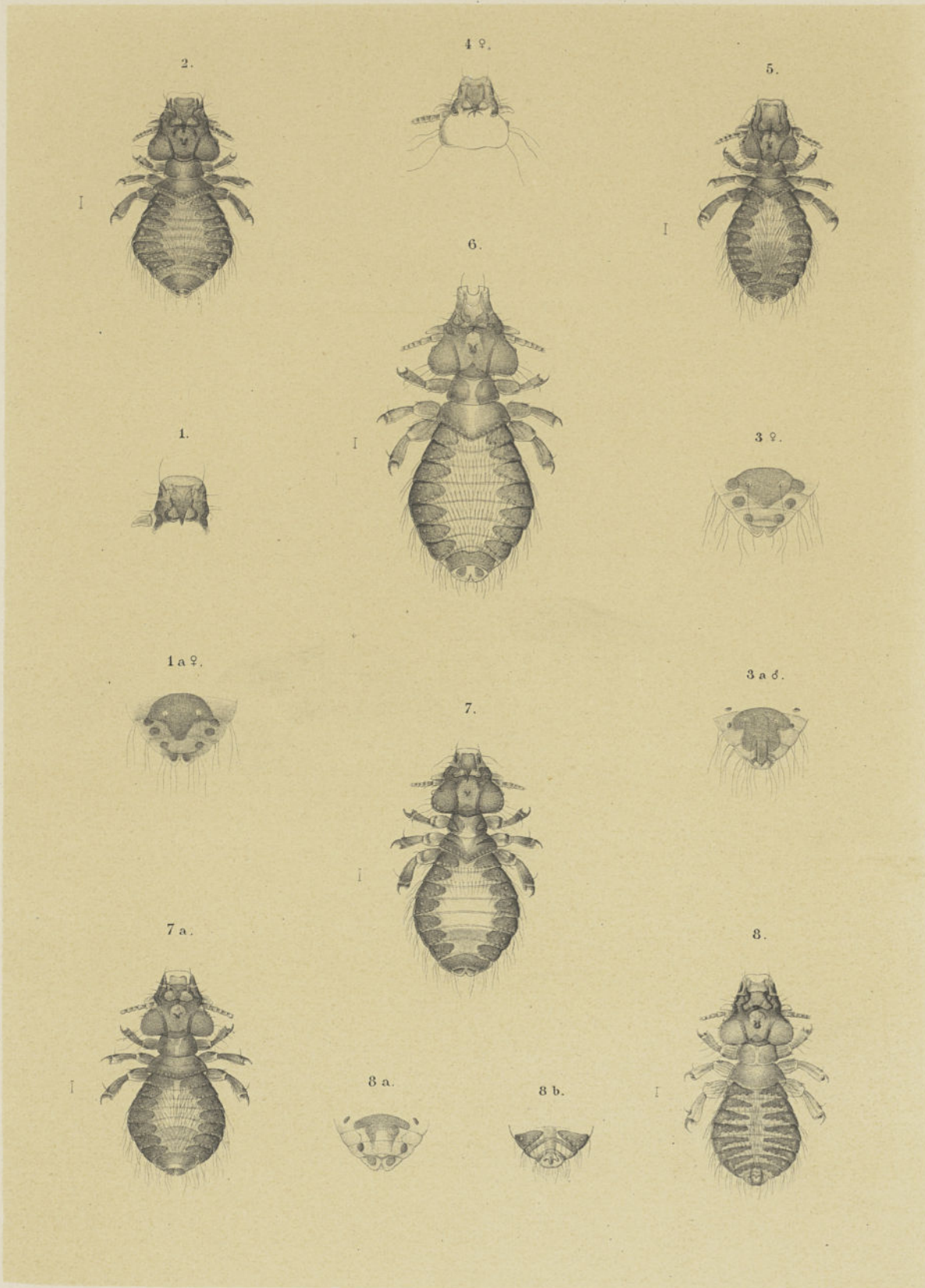
F.W.M. Trap Impr.

A.J. Wendel lith.

## PLANCHE IV.

---

- Fig. 1 clypéus d'un *Docophorus communis* var.  
merulae.  
„ 1a tache génitale ♀.  
„ 2 *D. ornatus* ♀.  
„ 3 tache génitale ♀ du *D. fuscicollis*.  
„ 3a „ „ ♂ „ „  
„ 4 clypéus d'un *D. communis* var. *rubeculae*.  
„ 5 *D. communis* var. *cardinalis* ♀.  
„ 6 *D. excisus* ♀ grossie.  
„ 6a tache génitale ♀.  
„ 6b derniers segments ♂.  
„ 7 *D. communis* var. *garrulae* ♀.  
„ 7a *D. communis* var. *rotundata* ♀.  
„ 8 *D. depressus* ♂.
-



E. Piaget fec.

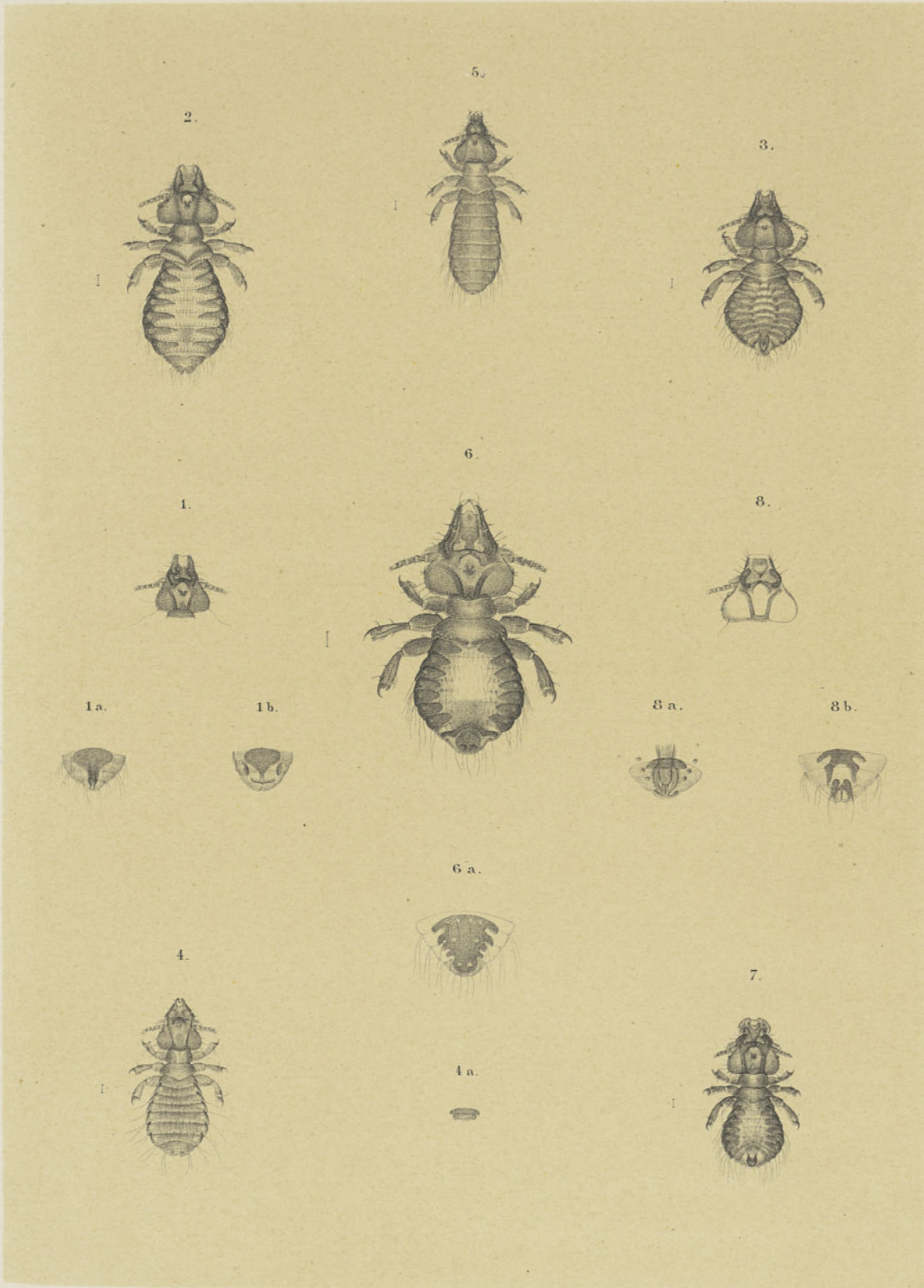
P.W.M. Trap impr.

A.J. Wendel lith.

## PLANCHE V.

---

- Fig. 1 *Docophorus leontodon* (tête).  
" 1a tache génitale ♂.  
" 1b " " ♀.  
" 2 *D. leontodon* var. *graculæ*.  
" 3 " var. *affinis*.  
" 4 *D. acutus* ♀.  
" 4a tache génitale ♀.  
" 5 *D. cephaloxys* ♀.  
" 6 *D. forficuloides* ♂.  
" 6a tache génitale ♂.  
" 7 *D. setosus* ♂.  
" 8 *D. auratus* (tête).  
" 8a tache génitale ♂.  
" 8b " " ♀.
-



E. Piaget fec.

P. W.M. Trap impr.

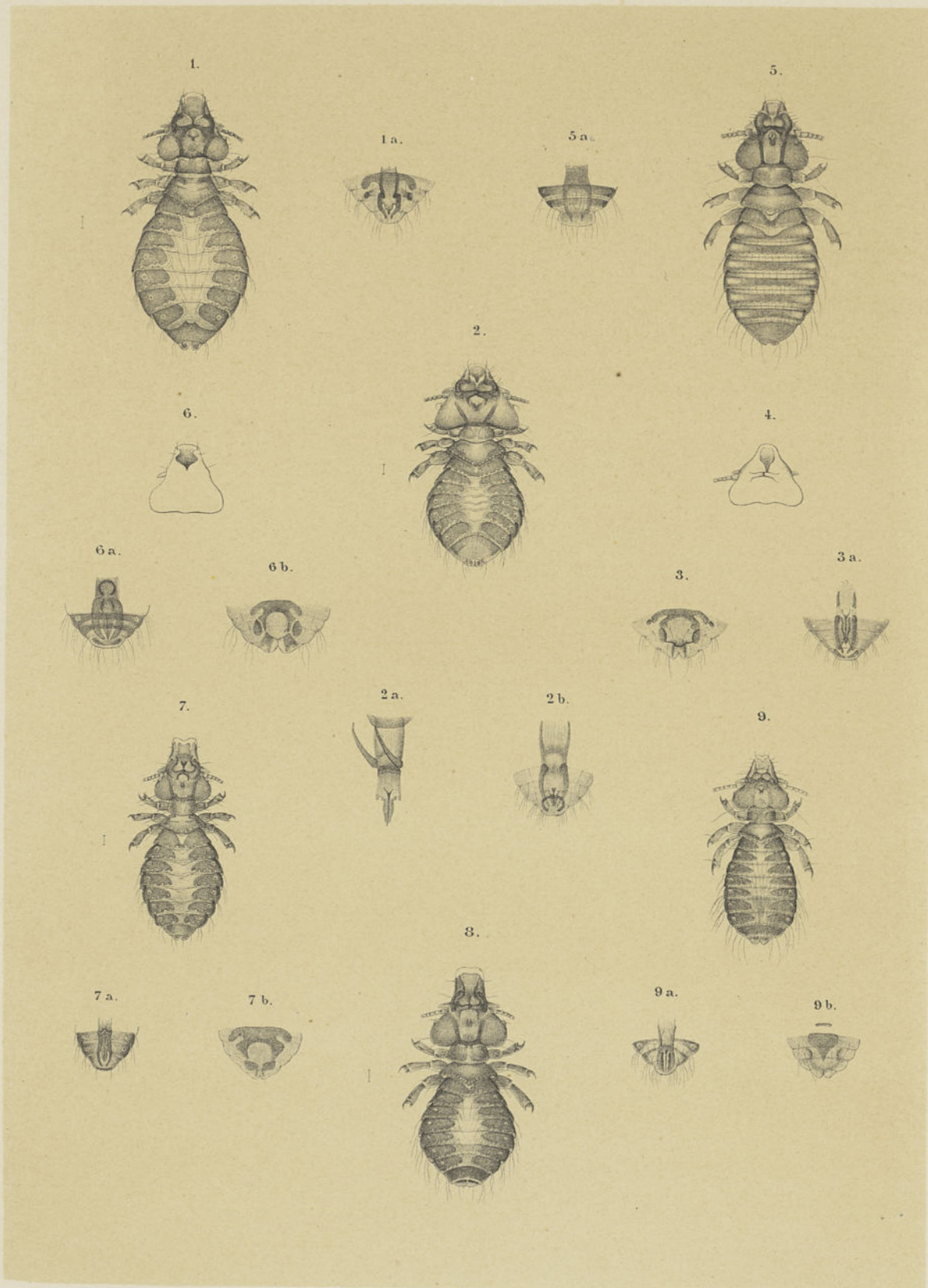
A.J. Wendel lith.

## PLANCHE VI.

---

- Fig. 1 *Docophorus limosae* ♀.  
" 1a tache génitale ♂.  
" 2 *D. cordiceps* ♂.  
" 2a appareil génital ♂ grossi et sorti.  
" 2b " " ♂ rentré.  
" 3 *D. temporalis* (tache génitale ♀).  
" 3a appareil génital ♂.  
" 4 *D. semivittatus* (tête).  
" 5 *D. testudinarius* ♀.  
" 6 *D. acanthus* (tête).  
" 6a appareil génital ♂.  
" 6b tache génitale ♀.  
" 7 *D. fusiformis* ♀.  
" 7a derniers segments ♂.  
" 7b tache génitale ♀.  
" 8 *D. productus* ♀.  
" 9 *D. continuus* ♀.  
" 9a derniers segments ♂.  
" 9b tache génitale ♀.
-





E. Piaget fec.

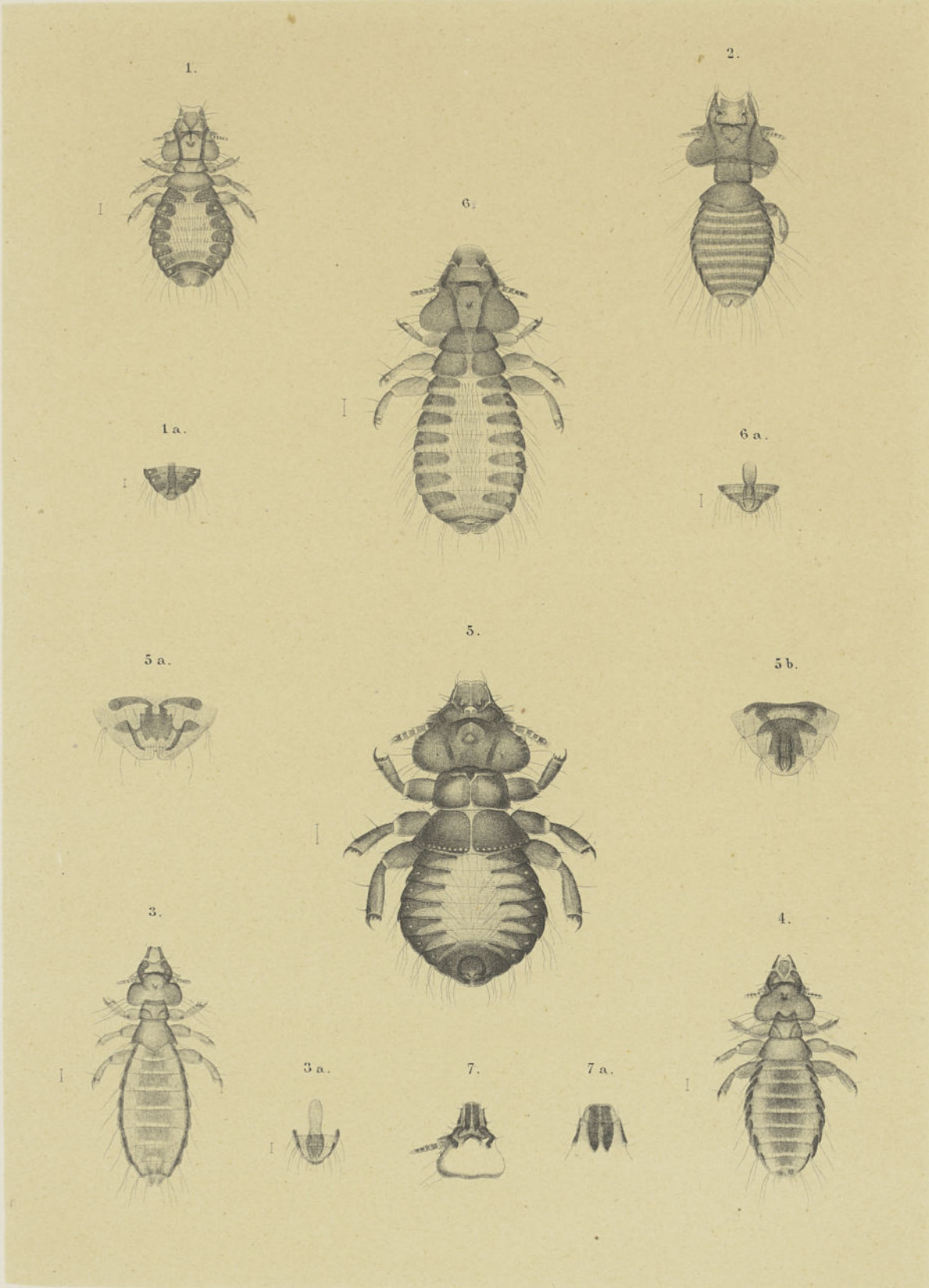
P.W.M. Trap impr.

A.J. Wendel lith.

## PLANCHE VII.

---

- Fig. 1 *Docophorus compar* ♀.  
" 1a derniers segments ♂.
- " 2 *D. bifrons* ♀.
- " 3 *D. serrilimbus* ♀.  
" 3a derniers segments ♂.
- " 4 *D. fallax* ♀.
- " 5 *D. sphenophorus* ♂.  
" 5a tache génitale ♀.  
" 5b " " ♂.
- " 6 *D. indicus* ♀.  
" 6a derniers segments ♂.
- " 7 *D. hians* (tête).  
" 7a clypéus grossi.
-



E. Piaget fec.

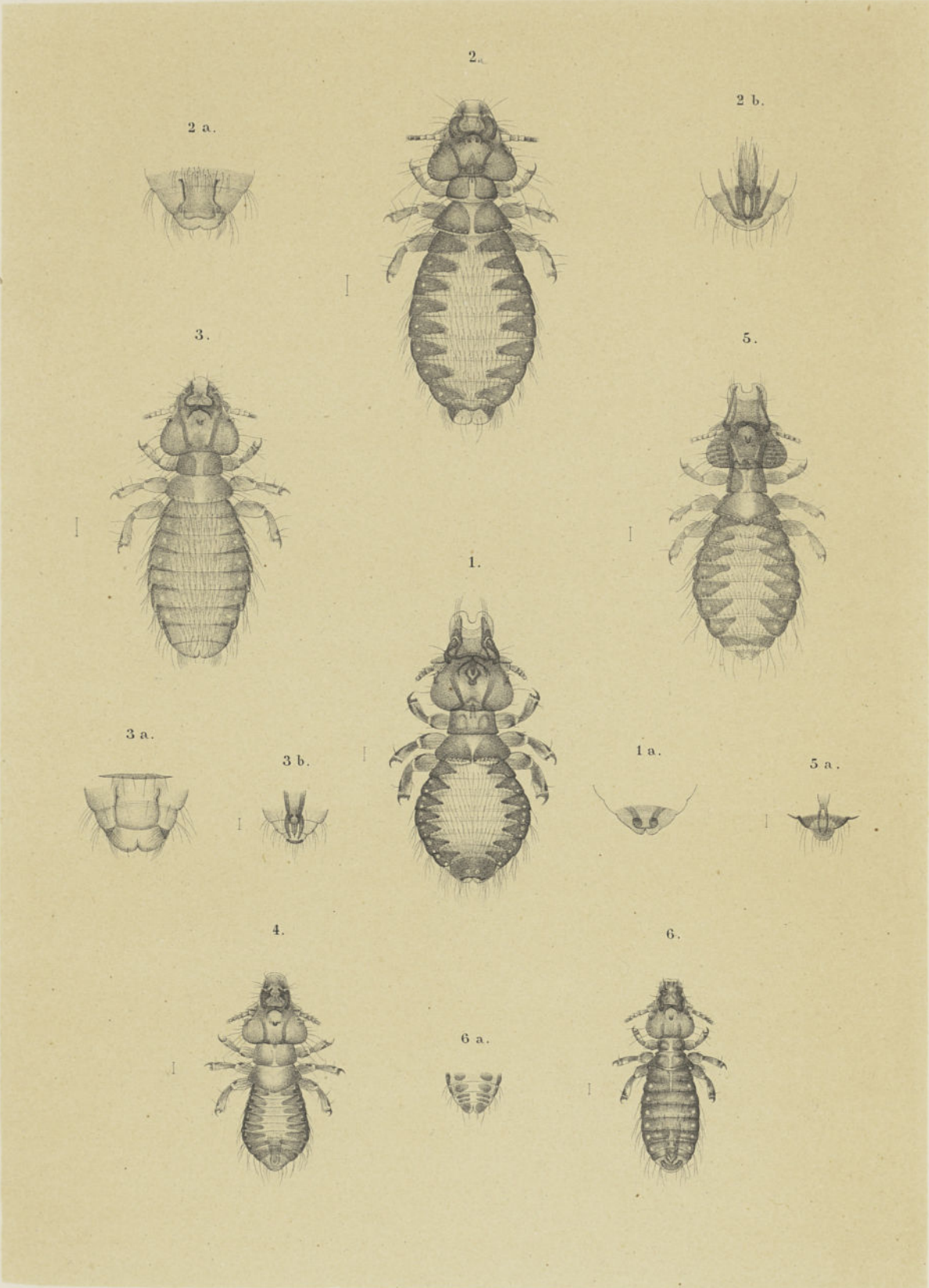
P.W.M., Trap impr.

A. J. Wendel lith.

## PLANCHE VIII.

---

- Fig. 1 *Docophorus emarginatus* ♀.  
" 1a taches génitales ♀.
- " 2 *D. tricolor* ♀.  
" 2a tache génitale ♀.  
" 2b appareil génital ♂.
- " 3 *D. incompletus* ♀.  
" 3a tache génitale ♀.  
" 3b derniers segments ♂.
- " 4 *D. platyclypeatus* ♂.
- " 5 *D. angulatus* ♀.  
" 5a derniers segments ♂.
- " 6 *D. antematus* ♂.  
" 6a derniers segments ♀.
-



E. Piaget fec.

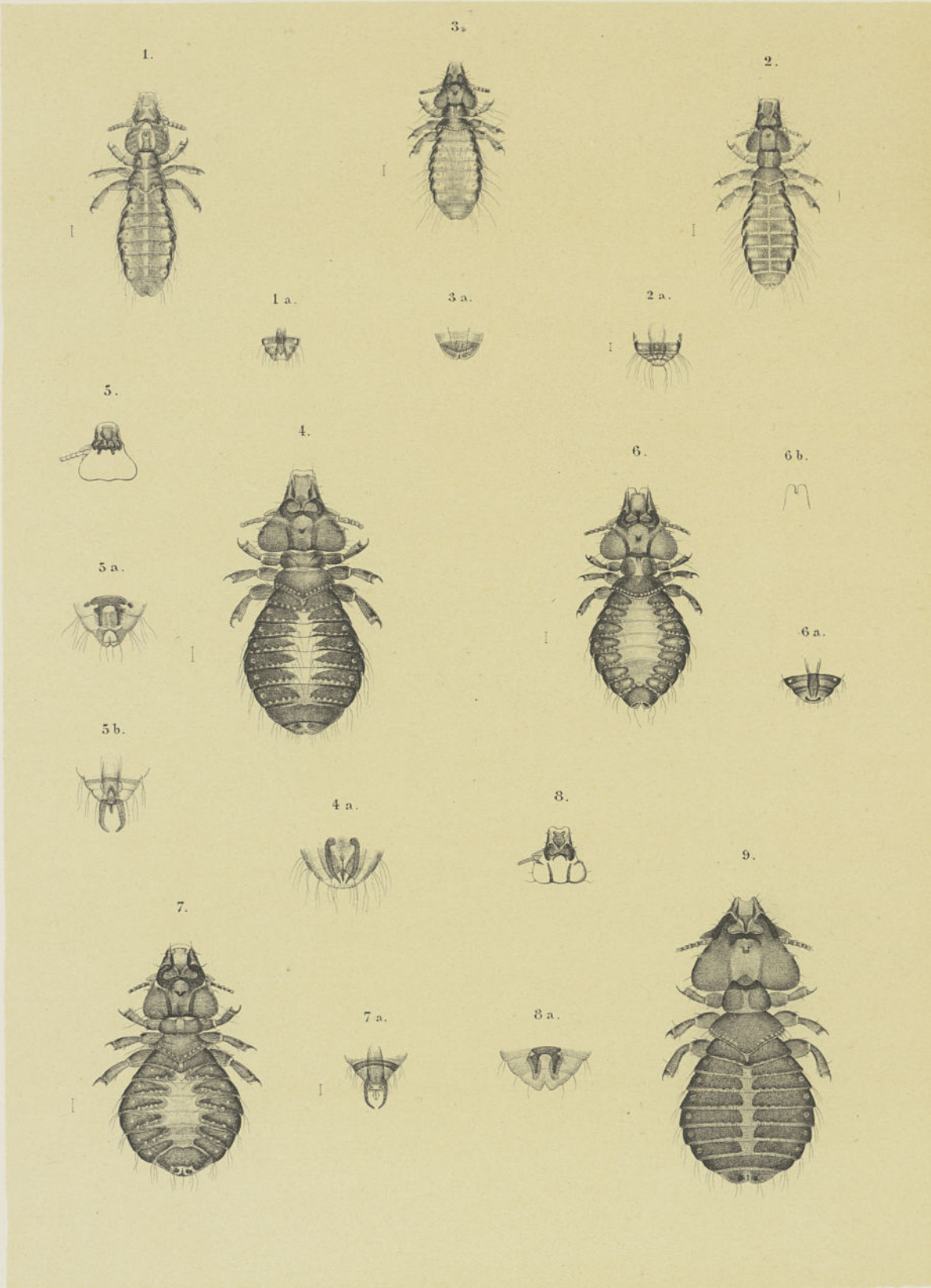
P.W.M. Trap impr.

A.J. Wendel lith.

## PLANCHE IX.

---

- Fig. 1 *Docophorus bipustulatus* ♀.  
" 1a derniers segments ♂.
- " 2 *D. nirmoides* ♀.  
" 2a derniers segments ♂.
- " 3 *D. dilatatus* ♀.  
" 3a derniers segments ♂.
- " 4 *D. pustulosus* ♀.  
" 4a appareil génital ♂.
- " 5 *D. melanocephalus* (tête).  
" 5a tache génitale ♀.  
" 5b appareil génital ♂.
- " 6 *D. laricola* ♀.  
" 6a derniers segments ♂.  
" 6b clypéus.
- " 7 *D. lari* ♀.  
" 7a appareil génital ♂ sorti.
- " 8 *D. celedoxus* (tête).  
" 8a tache génitale ♀.
- " 9 *D. breviantennatus* ♀.
-



E. Piaget fec.

P.W.M. Trap impr.

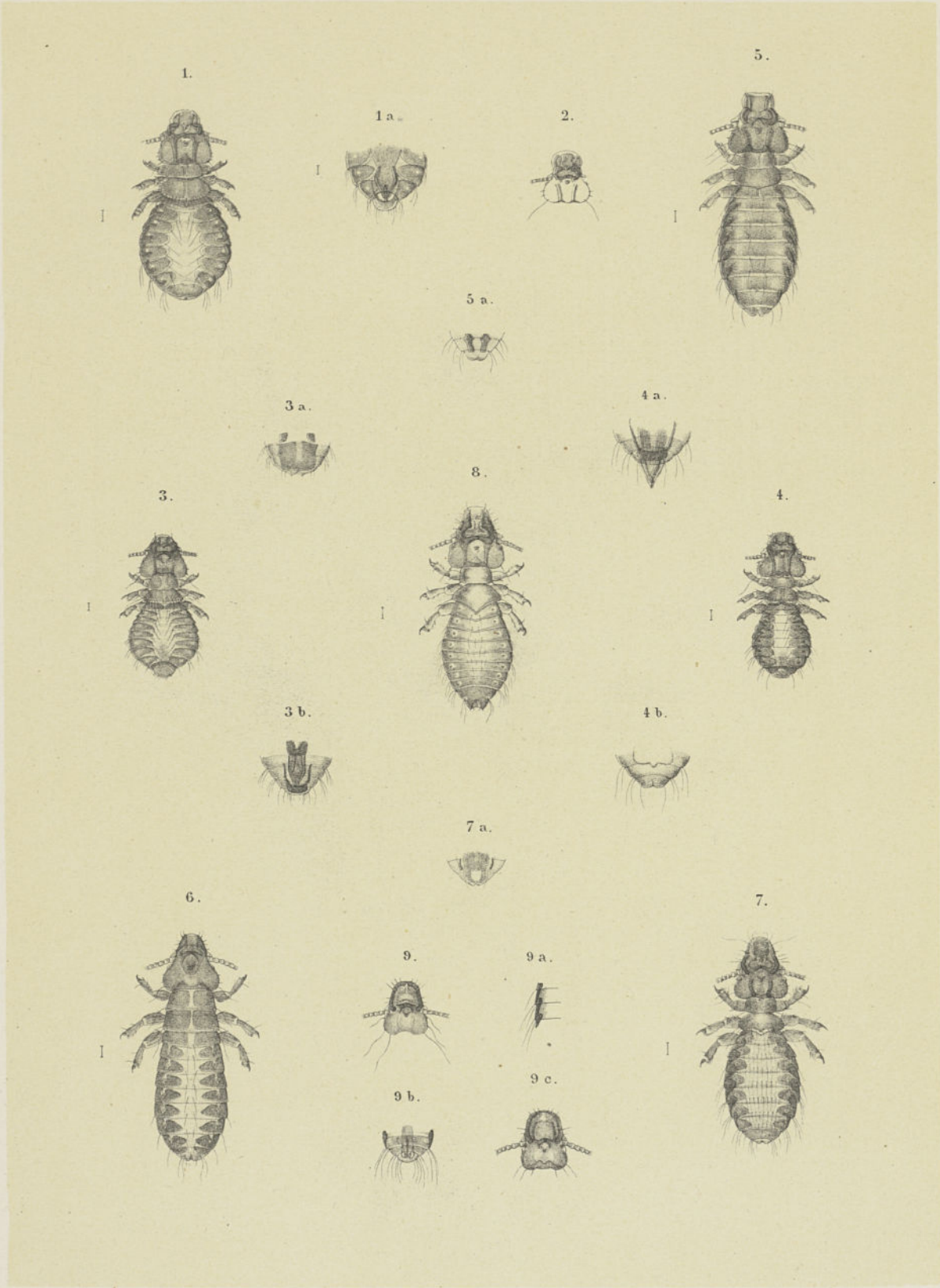
A.J. Wendel lith.

## PLANCHE X.

---

- Fig. 1 *Docophorus icterodes* ♀.  
„ 1a derniers segments ♂.  
„ 2 *D. cordiceps* (tête).  
„ 3 *D. cygni* ♂.  
„ 3a tache génitale ♀.  
„ 3b derniers segments ♂.  
„ 4 *D. pilosus* ♂.  
„ 4a appareil génital ♂.  
„ 4b vulve ♀.  
„ 5 *D. colymbinus* ♀.  
„ 5a tache génitale ♀.  
„ 6 *D. bassanae* ♀.  
„ 7 *D. brevimaculatus* ♀.  
„ 7a tache génitale ♀.  
„ 8 *D. dubius* ♀.  
„ 9 *Nirmus fuscus*, la tête.  
„ 9a bandes latérales.  
„ 9b appareil génital ♂.  
„ 9c *N. fuscus* var., la tête.
-





E. Flaget fec.

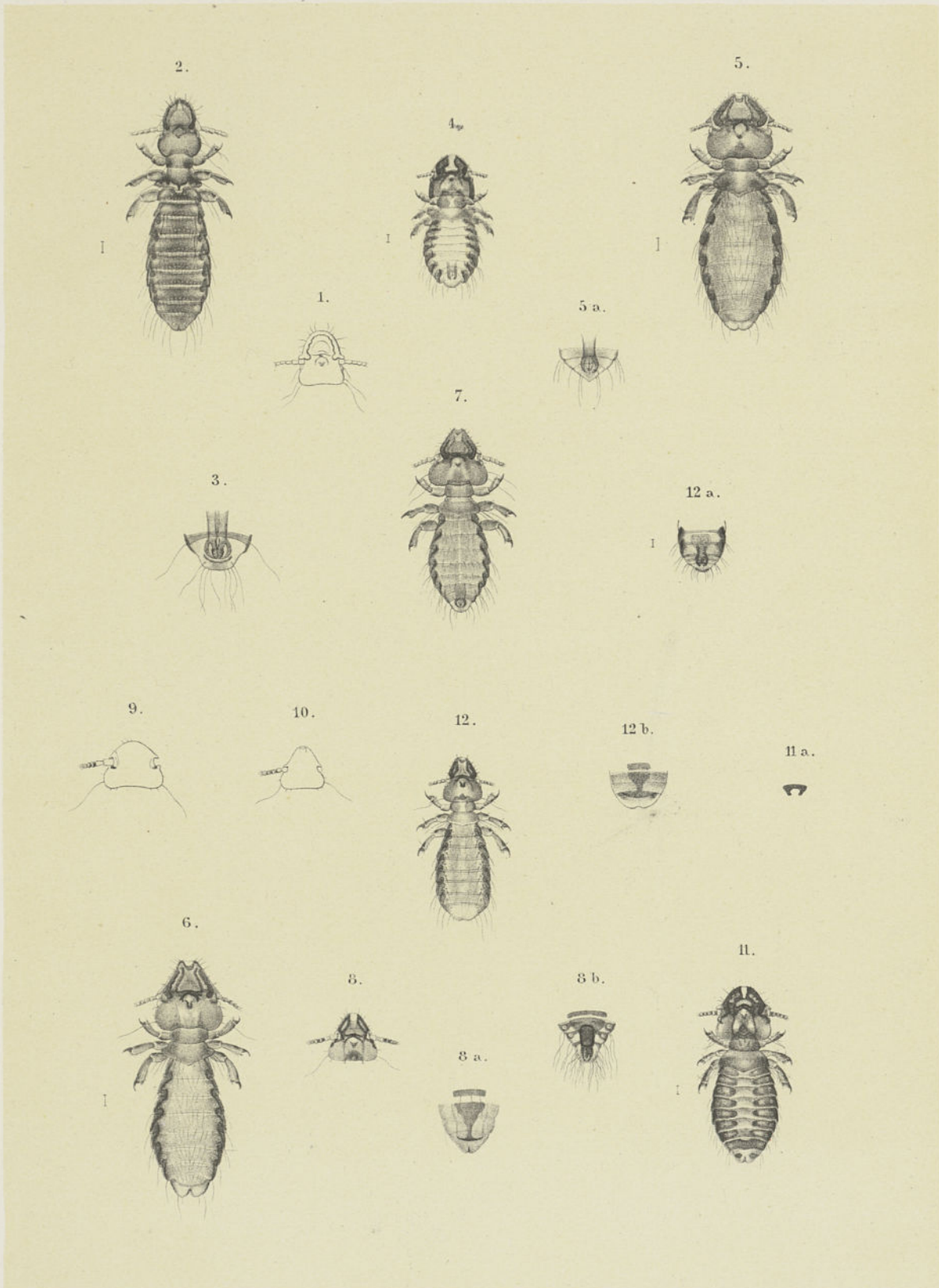
P.W.M. Trap impr.

A.J.Wendel lith

## PLANCHE XI.

---

- Fig. 1 *Nirmus rufus* (tête).  
„ 2 *N. vittatus* ♀.  
„ 3 appareil génital ♂.  
„ 4 *N. angulatus* ♂.  
„ 5 *N. paraboliceps* ♀.  
„ 5a appareil génital ♂.  
„ 6 *N. coniceps* ♀.  
„ 7 *N. subacutus* ♂.  
„ 8 *N. varius*, la tête.  
„ 8a tache génitale ♀.  
„ 8b appareil génital ♂.  
„ 9 *N. uncinus*, la tête.  
„ 10 *N. affinis*, la tête.  
„ 11 *N. latifasciatus* ♀.  
„ 11a tache génitale ♀.  
„ 12 *N. pallidus* ♀.  
„ 12a appareil génital ♂.  
„ 12b tache génitale ♀.
-



E. Piaget fec.

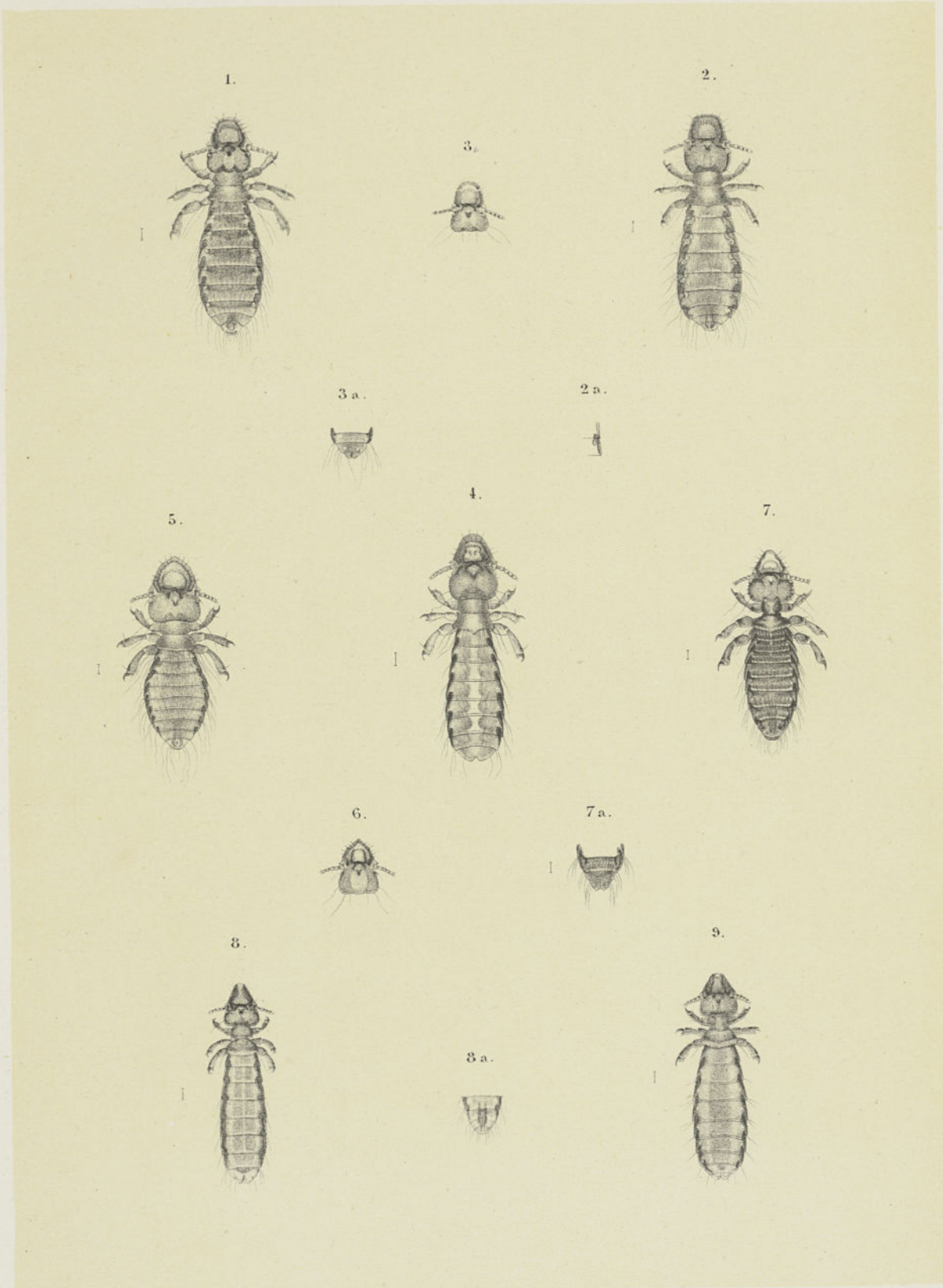
P. W. M. Trap impr.

A. J. Wendel lith.

## PLANCHE XII.

---

- Fig. 1 *Nirmus platyclypeatus* ♂.  
„ 2 *N. frater* ♂.  
„ 2a bande latérale.  
„ 3 *N. fenestratus*, la tête.  
„ 3a derniers segments ♀.  
„ 4 *N. dilatatofasciatus* ♀.  
„ 5 *N. subcuspidatus* ♂.  
„ 6 *N. acutus*, la tête.  
„ 7 *N. melanophrys* ♂.  
„ 7a derniers segments ♀.  
„ 8 *N. brachythorax* ♀.  
„ 8a appareil génital ♂.  
„ 9 *N. brach.* var. *cedrorum* ♀.
-



E. Piaget fec.

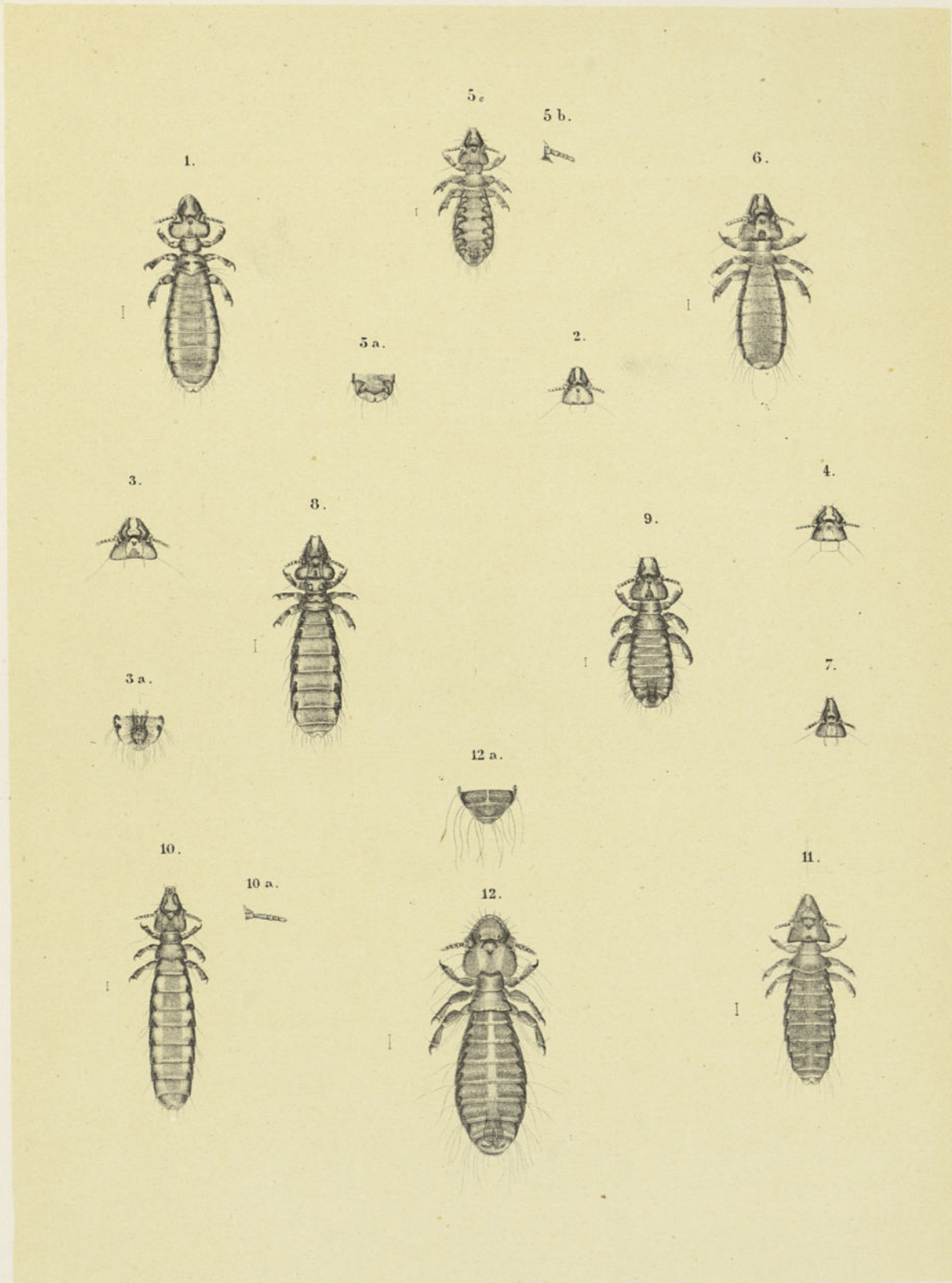
P. W.M. Trap impr.

A.J. Wendel lith.

## PLANCHE XIII.

---

- Fig. 1 *Nirmus densilimbus* ♀.  
„ 2 *N. intermedius*, la tête ♂.  
„ 3 *N. marginalis*, la tête ♀.  
„ 3a appareil génital ♂.  
„ 4 *N. nebulosus*, la tête ♀.  
„ 5 *N. acutangulatus* ♂.  
„ 5a derniers segments ♀.  
„ 6 *N. nigrosignatus* ♀.  
„ 7 *N. delicatus*, la tête ♀.  
„ 8 *N. bicurvatus* ♀.  
„ 9 *N. longipes* ♂.  
„ 10 *N. elongatus (grossi)* ♀.  
„ 11 *N. apiastri* ♀.  
„ 12 *N. alchatae* ♂.
-



E. Piaget fec.

P.W.M. Trap impr.

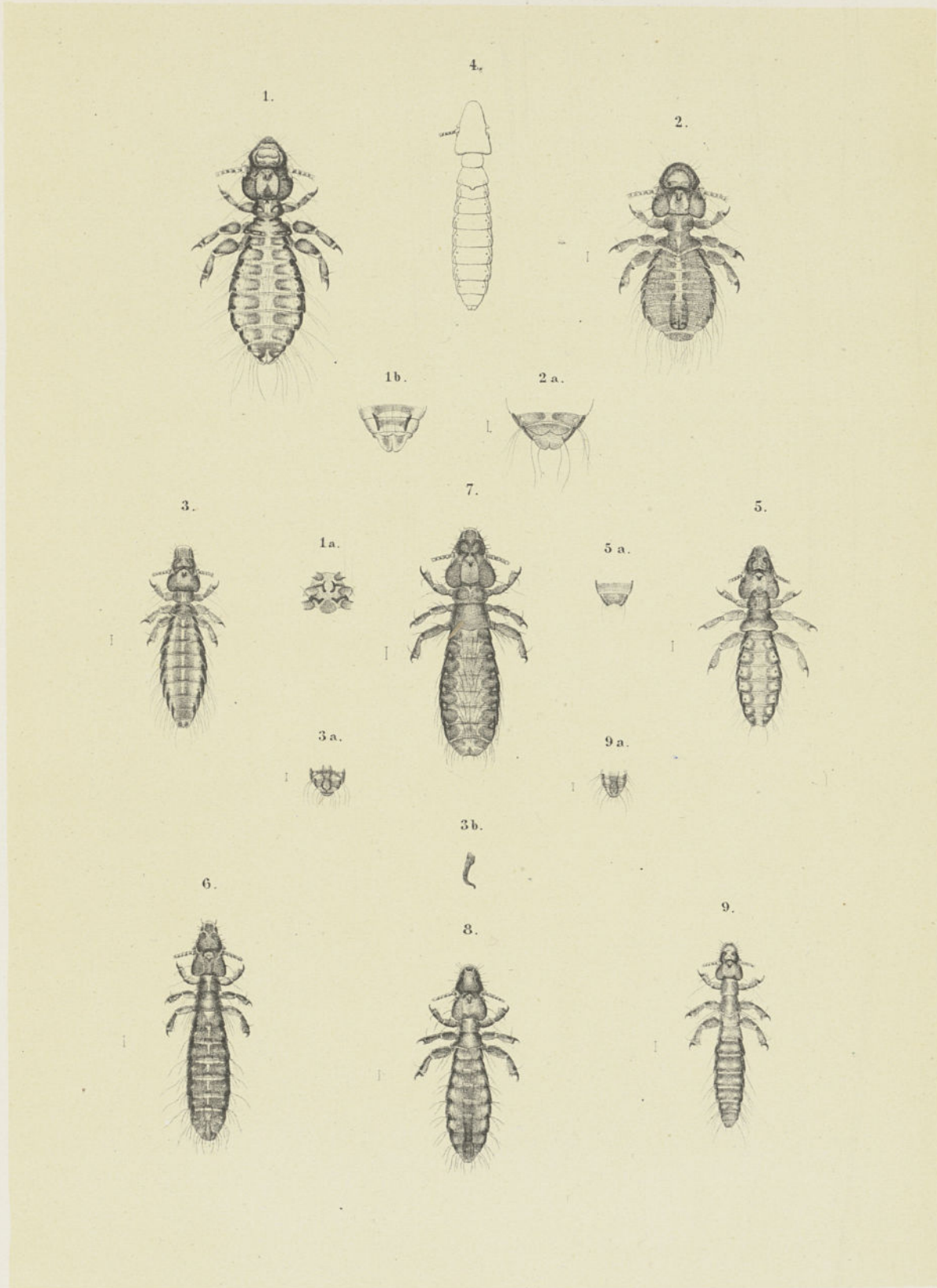
A.J. Wendel lith.

## PLANCHE XIV.

---

- Fig. 1 *Nirmus nigromarginatus* ♀.  
" 1a sternum.  
" 1b taches génitales ♀.
- " 2 *N. quadrulatus* ♂.  
" 2a derniers segments ♀.
- " 3 *N. furvus* ♀.  
" 3a appareil génital ♂.  
" 3b un appendice grossi ♂.
- " 4 *N. holophaeus* ♀.
- " 5 *N. acutofasciatus* ♀.  
" 5a appendices du 8<sup>e</sup> segment ♀.
- " 6 *N. interruptus* ♂.
- " 7 *N. dispar* ♀.
- " 8 *N. trimaculatus* ♂.
- " 9 *N. bicolor* ♀.  
" 9a appareil génital ♂.
-





E. Picaudet fec.

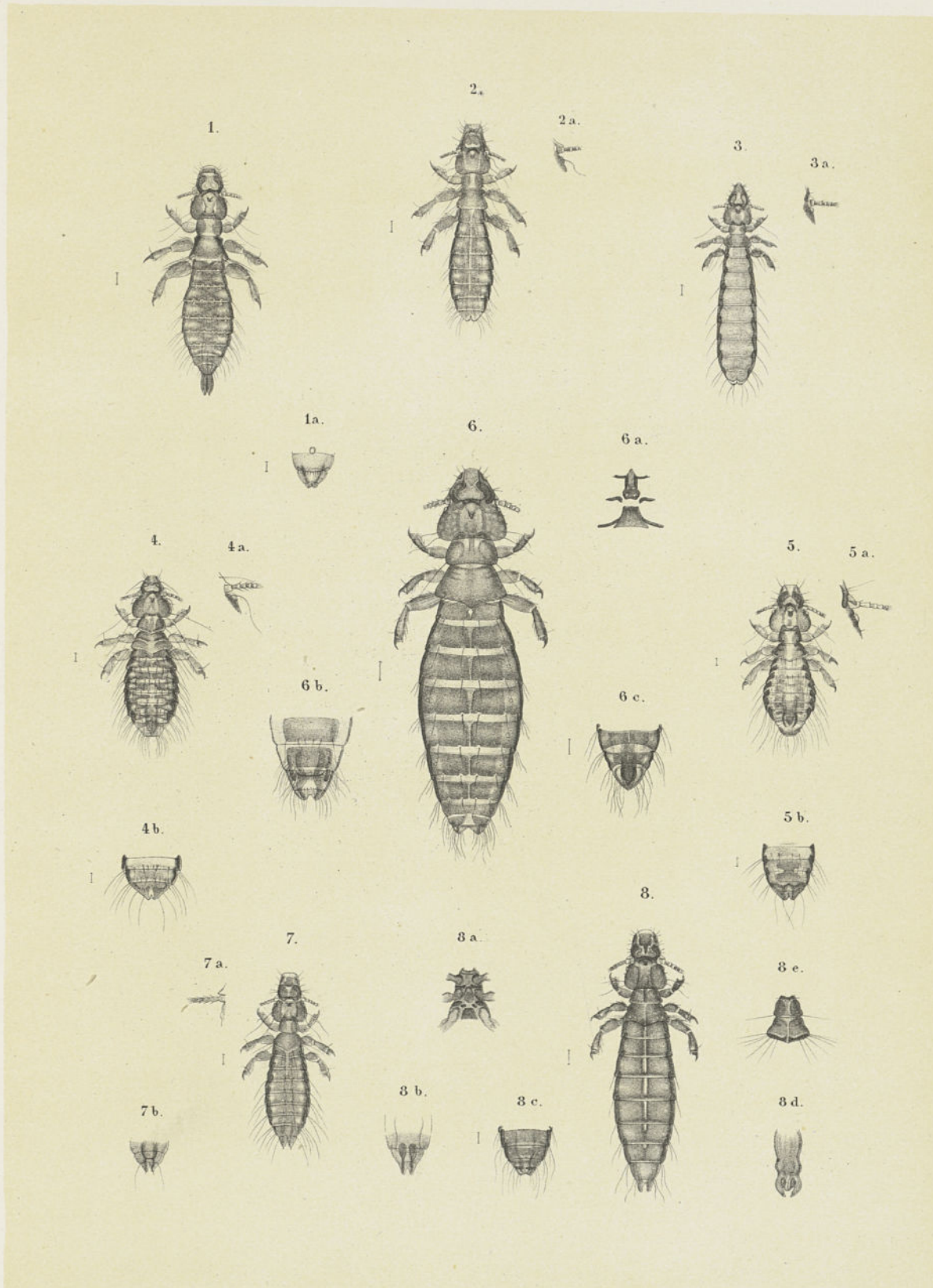
P.W.M. Irap impr.

A.J. Wendel lith.

## PLANCHE XV.

---

- Fig. 1 *Nirmus inaequalis* ♂.  
" 1a derniers segments ♀.
- " 2 *N. truncatus* ♀.  
" 2a trabécule grossie.
- " 3 *N. brevipes* ♀.  
" 3a antenne grossie.
- " 4 *N. decipiens* ♂.  
" 4a antenne grossie.  
" 4b derniers segments ♀.
- " 5 *N. ochropygus* ♂.  
" 5a antenne grossie.  
" 5b derniers segments ♀.
- " 6 *N. pileus* ♀.  
" 6a taches du sternum.  
" 6b derniers segments ♀.  
" 6c appareil génital ♂.
- " 7 *N. bicuspis* ♀.  
" 7a antenne grossie.  
" 7b taches génitales ♀.
- " 8 *N. signatus* ♀.  
" 8a taches du sternum.  
" 8b taches génitales ♀.  
" 8c derniers segments ♂.  
" 8d appareil génital ♂ grossi.  
" 8e thorax ♂.
-



E. Piaget fec.

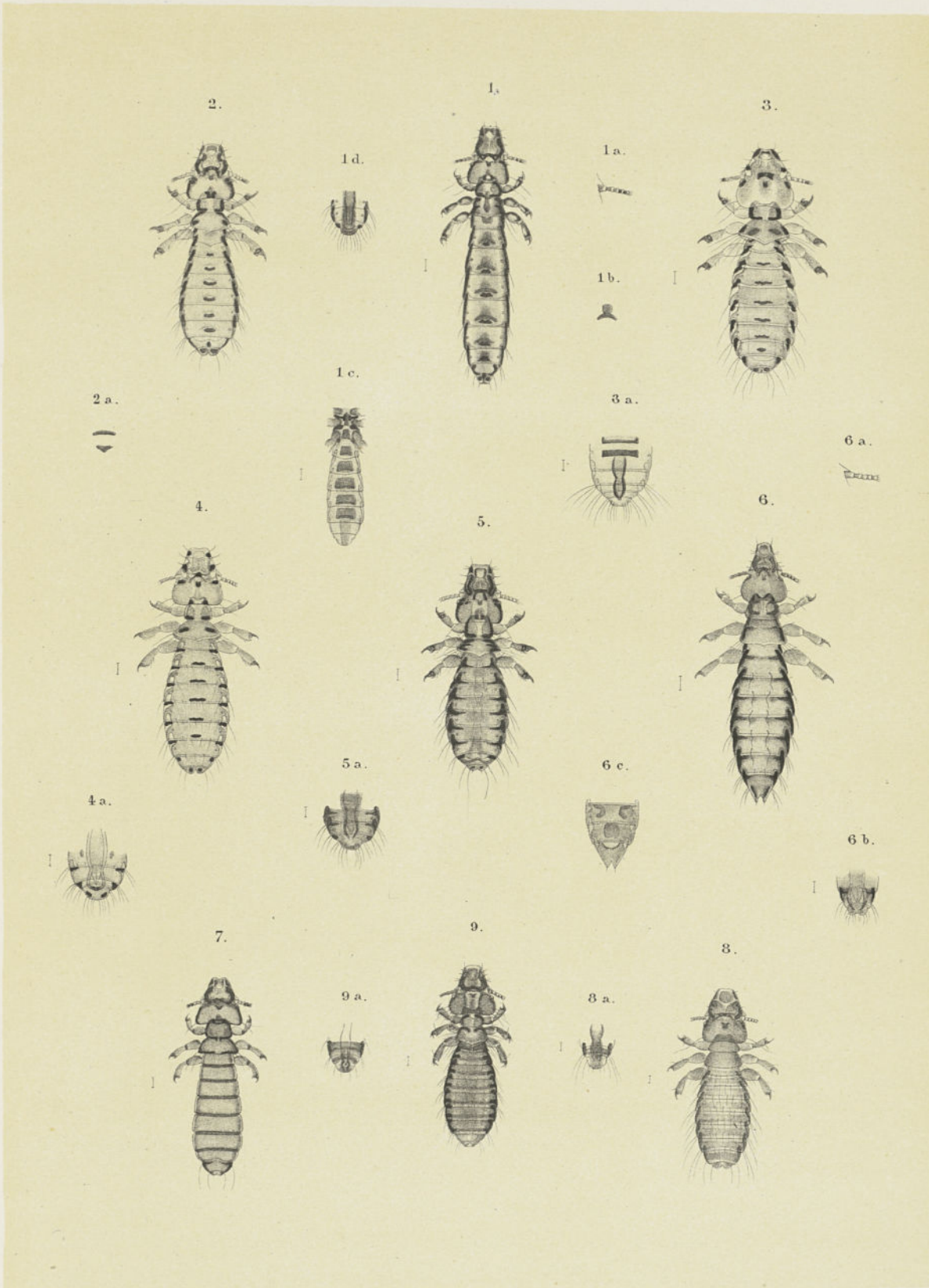
P.W.M., Trap impr.

A.J. Wendel lith.

## PLANCHE XVI.

---

- Fig. 1 *Nirmus phaeonotus* ♀.  
" 1a antenne grossie.  
" 1b tache ventrale ♀.  
" 1c face ventrale ♂.  
" 1d appareil génital ♂.
- " 2 *N. selliger* ♀.  
" 2a taches ventrales ♀.
- " 3 *N. lineolatus* ♀.  
" 3a derniers segments ♂.
- " 4 *N. punctatus* ♀.  
" 4a derniers segments ♂.
- " 5 *N. triangulatus* ♀.  
" 5a derniers segments ♂.
- " 6 *N. fuscomarginatus* ♀.  
" 6a antenne grossie.  
" 6b appareil génital ♂.  
" 6c taches génitales ♀.
- " 7 *N. lineatus* ♀.
- " 8 *N. citrinus* ♀.  
" 8a appareil génital ♂.
- " 9 *N. cingulatus* ♀.  
" 9a appareil génital ♂.
-



E. Piaget fec.

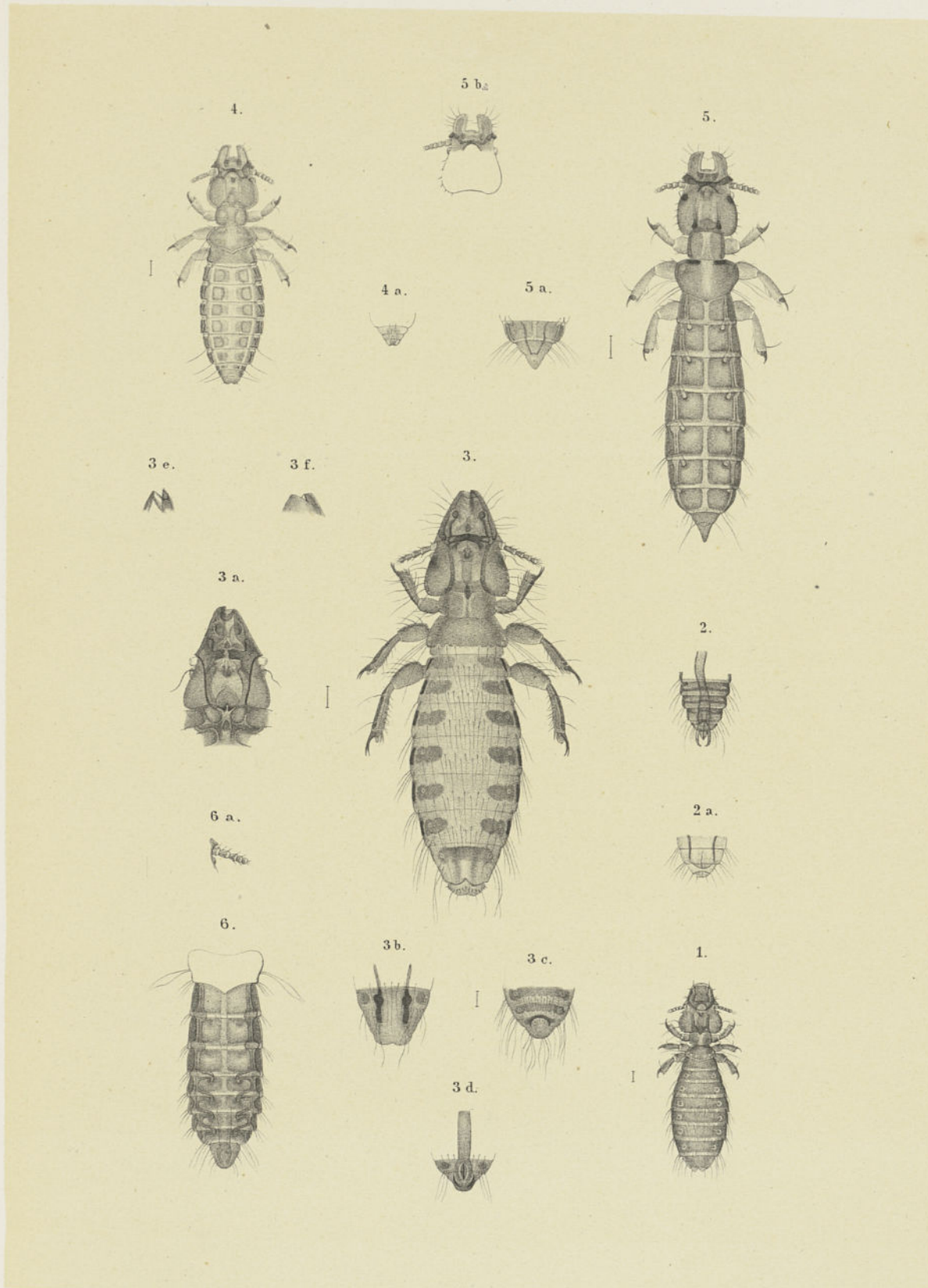
P.W.M., Trap impr.

A.J. Wendel lith.

## PLANCHE XVII.

---

- Fig. 1 *Nirmus subscalaris* ♀.
- „ 2 *N. scalaris*, derniers segments ♂.  
„ 2a derniers segments ♀.
- „ 3 *N. asymmetricus* ♀.  
„ 3a la tête vue en dessous.  
„ 3b taches génitales ♀.  
„ 3c derniers segments ♂.  
„ 3d appareil génital ♂.  
„ 3e extrémité du clypéus.  
„ 3f cette extrémité selon Giebel.
- „ 4 *Akidoproctus marginatus* ♀.  
„ 4a taches génitales ♀.
- „ 5 *Ak. bifasciatus* ♀.  
„ 5a taches génitales ♀.
- „ 6 *Ak. maximus* ♂.  
„ 6a antenne ♂.
-



E. Piaget fec.

P.W.M. Trap impr.

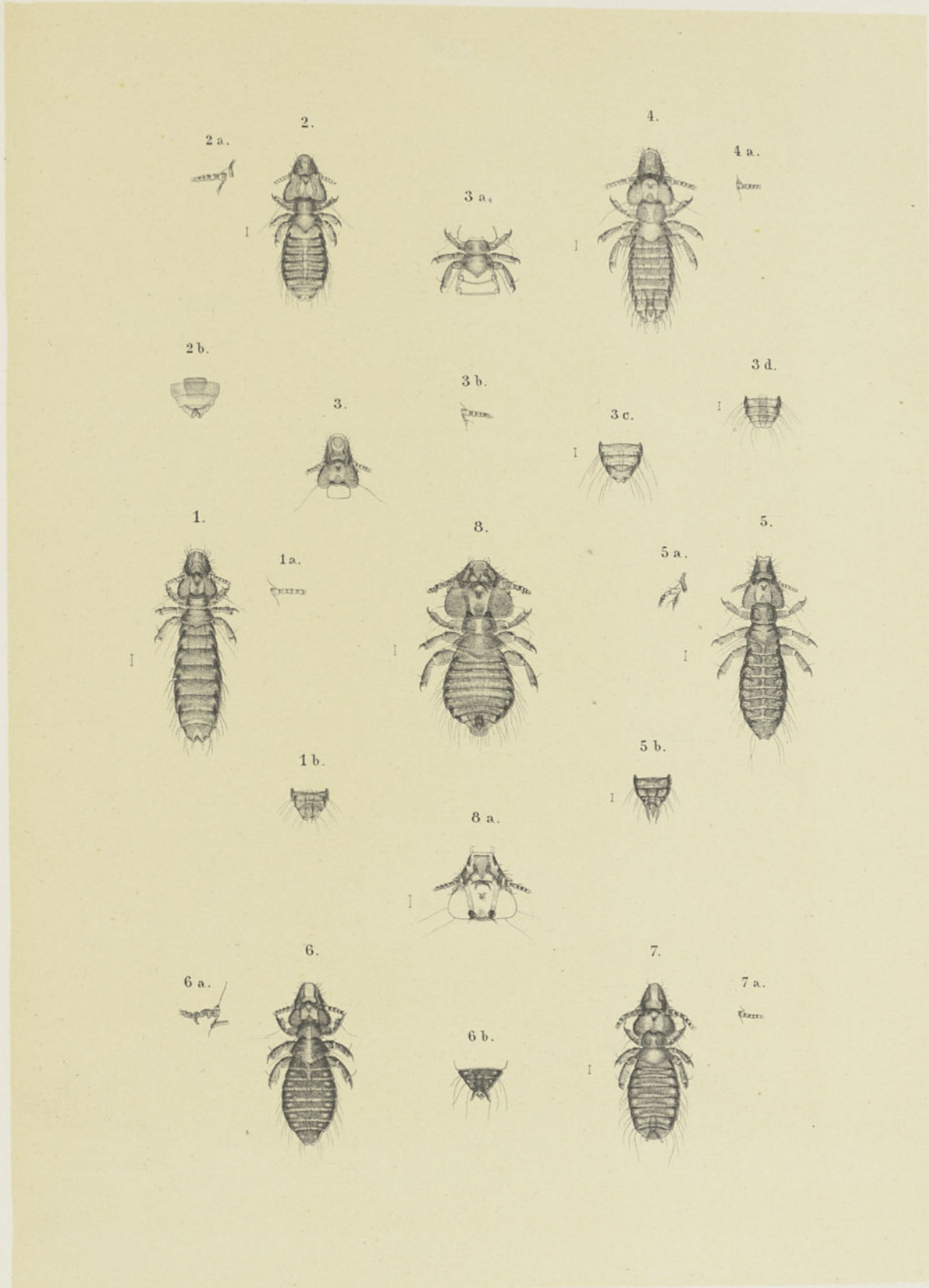
A. J. Wendel lith.

## PLANCHE XVIII.

---

- Fig. 1 *Oncophorus attenuatus* ♀.  
" 1a antenne ♂.
- " 2 *Onc. minutus* ♀.  
" 2a antenne ♂.  
" 2b tache génitale ♀.
- " 3 *Onc. affinis*, la tête ♀.  
" 3a sternum et pattes.  
" 3b antenne ♂.  
" 3c derniers segments ♀.  
" 3d appareil génital ♂.
- " 4 *Onc. bisetosus* ♂.  
" 4a antenne ♀.
- " 5 *Onc. sulcatus* ♀.  
" 5a antenne ♂.  
" 5b appareil génital ♂.
- " 6 *Onc. fallax* ♀.  
" 6a antenne ♂.  
" 6b appareil génital ♂.
- " 7 *Onc. subfallax* ♂.  
" 7a antenne ♀.
- " 8 *Onc. heteroceras* ♂.  
" 8a tête ♀.
-





E. Piaget fec.

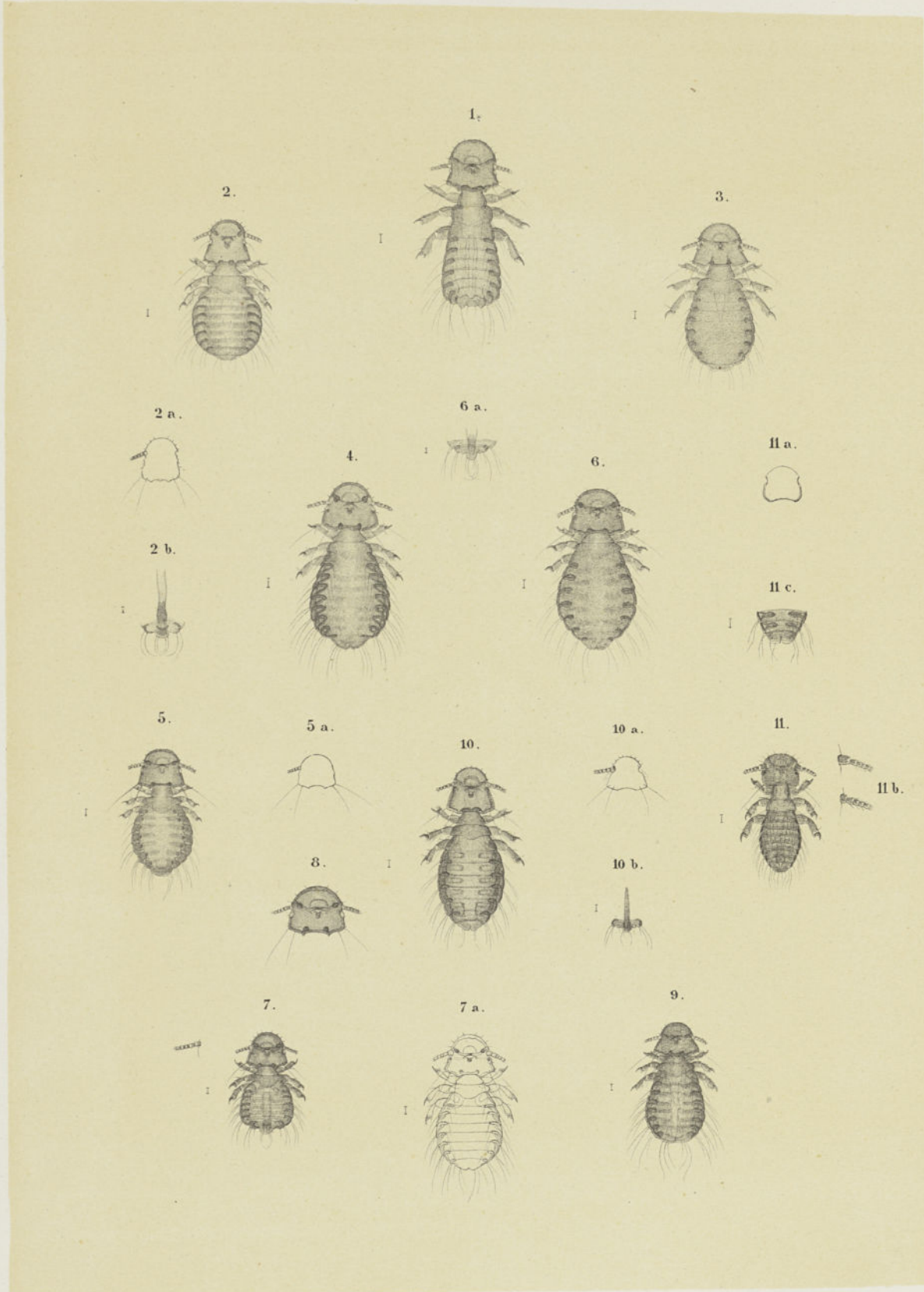
P. W. M. Trap impr.

A. J. Wendel lith.

## PLANCHE XIX.

---

- Fig. 1 *Goniocotes asterocephalus* ♀.  
„ 2 *Gc. pallidomaculatus* ♀.  
„ 2a tête ♂.  
„ 2b appareil génital ♂.  
„ 3 *Gc. bisetosus* ♀.  
„ 4 *Gc. microthorax* ♀.  
„ 5 *Gc. rectangulatus* ♀.  
„ 5a tête ♂.  
„ 6 *Gc. hologaster* ♀.  
„ 6a appareil génital ♂.  
„ 7 *Gc. chrysocephalus* ♂.  
„ 7a „ „ ♀.  
„ 7b antenne ♂.  
„ 8 *Gc. chrys.* var. *rotundiceps*, la tête.  
„ 9 *Gc. diplogonus* ♀.  
„ 10 *Gc. compar.* ♀.  
„ 10a tête ♂.  
„ 10b appareil génital ♂.  
„ 11 *Gc. fasciatus* ♂.  
„ 11a tête ♀.  
„ 11b antenne ♂ grossie.  
„ 11c antenne ♀.
-



E. Fiaget fec.

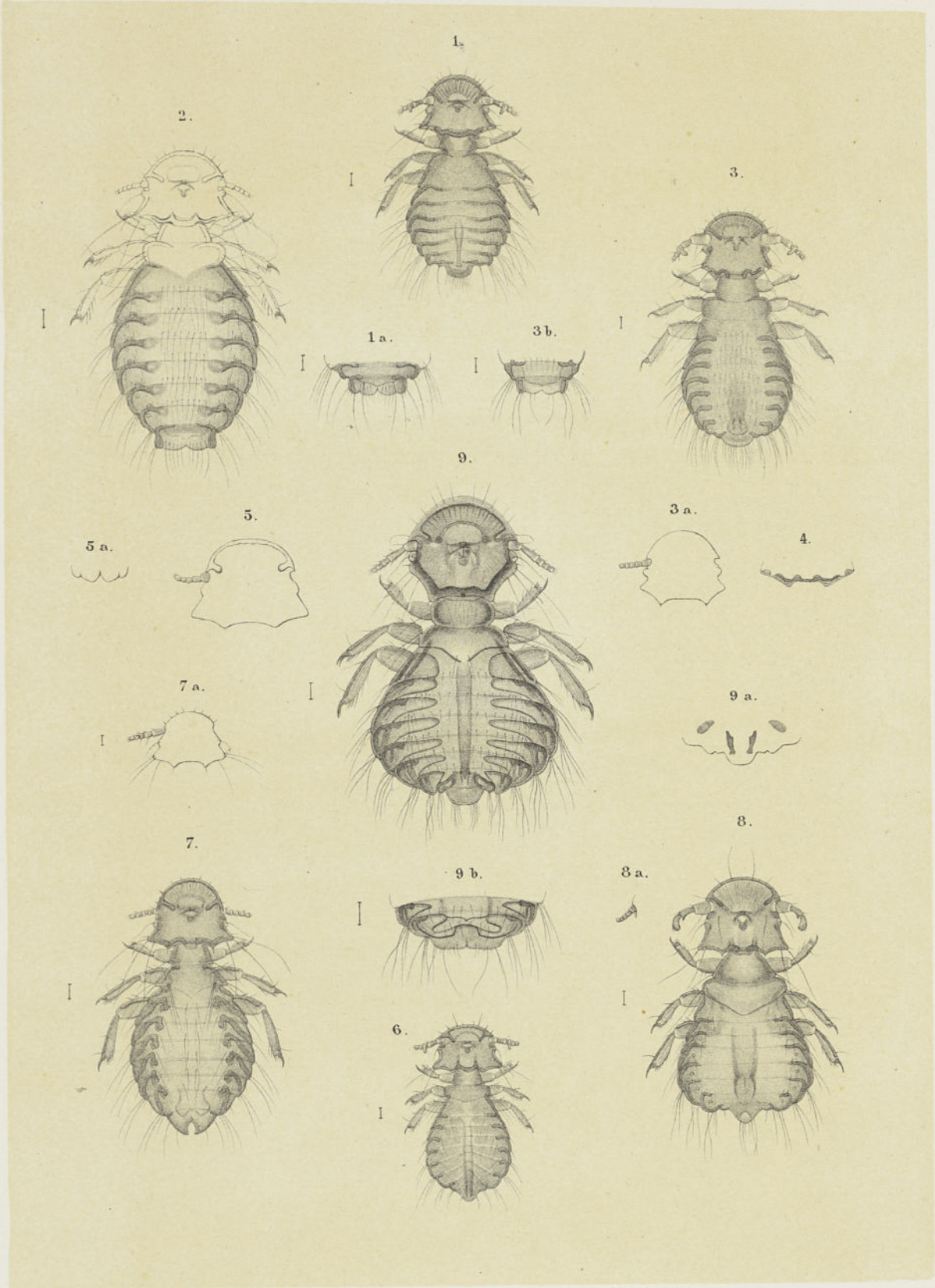
P. W. M. Trap impr.

A. J. Wendel lith.

## PLANCHE XX.

---

- Fig. 1 Goniodes dispar ♂.  
„ 1a derniers segments ♀.
- „ 2 Gd. truncatus ♀.
- „ 3 Gd. cupido ♂.  
„ 3a tête ♀.
- „ 4 Gd. heteroceros, bande occipitale.
- „ 5 Gd. chelicornis, la tête ♀.  
„ 5a bord postérieur de l'abd. ♀.
- „ 6 Gd. ocrea ♂.
- „ 7 Gd. longipes ♀.  
„ 7a tête ♂.
- „ 8 Gd. damicornis ♂.  
„ 8a antenne ♀.
- „ 9 Goniocotes abdominalis ♂.  
„ 9a taches génitales ♂.  
„ 9b derniers segments ♀.
-



E. Piaget fec.

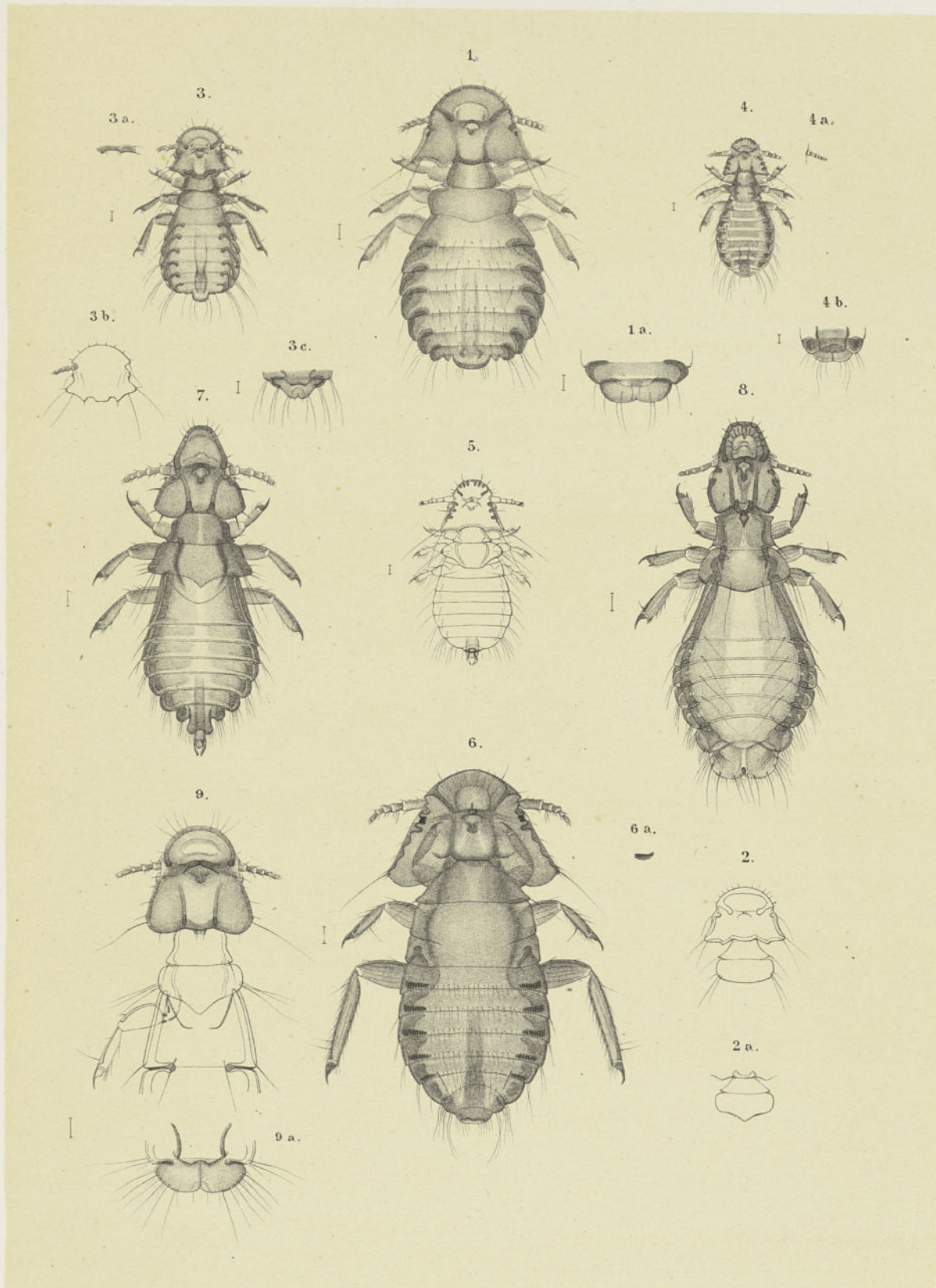
P. W.M. Trap impr.

A.J. Wendel lith.

## PLANCHE XXI.

---

- Fig. 1 *Goniocotes major* ♂.  
" 1a derniers segments ♀.
- " 2 *Goniocotes minor* ♂.  
" 2a thorax ♀.
- " 3 *Goniodes minor* ♂.  
" 3a antenne ♂ grossie.  
" 3b tête ♀.  
" 3c derniers segments ♀.
- " 4 *Goniodes subdilatatus* ♂.  
" 4a antenne ♀.  
" 4b derniers segments ♀.
- " 5 *Goniodes dilatatus* ♂.
- " 6 *Gd. laticeps* ♂.  
" 6a épines de la face ventrale.
- " 7 *Gd. spinosus* ♂.
- " 8 *Gd. complanatus* ♀.
- " 9 *Gd. setosus* ♀.  
" 9a derniers segments (face ventrale) ♀.
-



E. Piaget fec.

P. W. M., Trap impr.

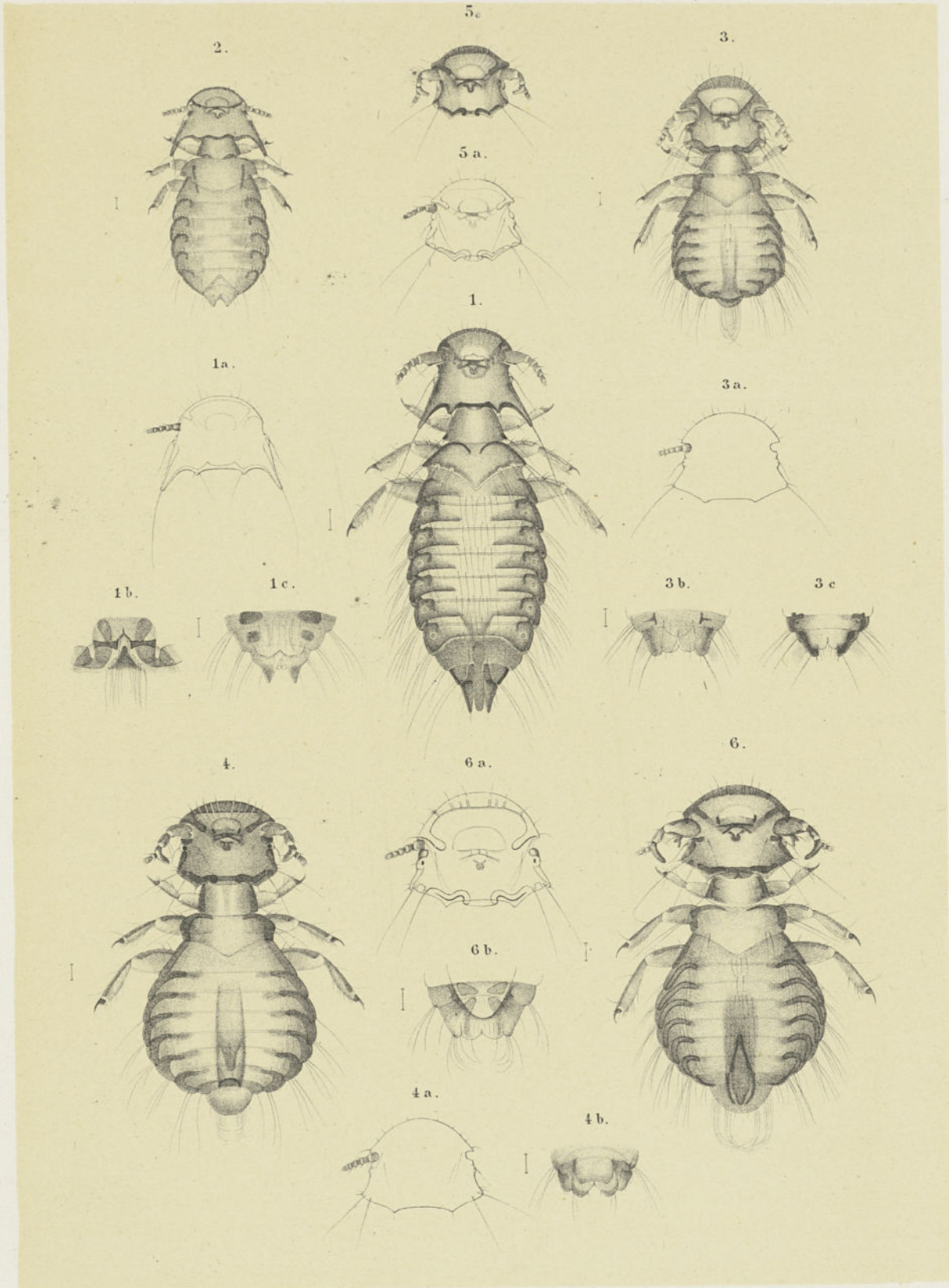
A. J. Wendel lith.

## PLANCHE XXII.

---

- Fig. 1 *Goniodes stylifer* ♂.  
„ 1a tête ♀.  
„ 1b sternum ♂.  
„ 1c derniers segments ♀ (face ventrale).
- „ 2 *Gd. aculeatus* ♀.
- „ 3 *Gd. dissimilis* ♂.  
„ 3a tête ♀.  
„ 3b derniers segments ♀.  
„ 3c „ „ var. *bankiva*.
- „ 4 *Gd. latifasciatus* ♂.  
„ 4a tête ♀.  
„ 4b derniers segments ♀ (face ventrale).
- „ 5 *Gd. colchicus*, tête ♂.  
„ 5a tête ♀.
- „ 6 *Gd. cervinicornis* ♂.  
„ 6a tête ♀.  
„ 6b derniers segments ♀ (face ventrale).
-





E. Piaget, fec.

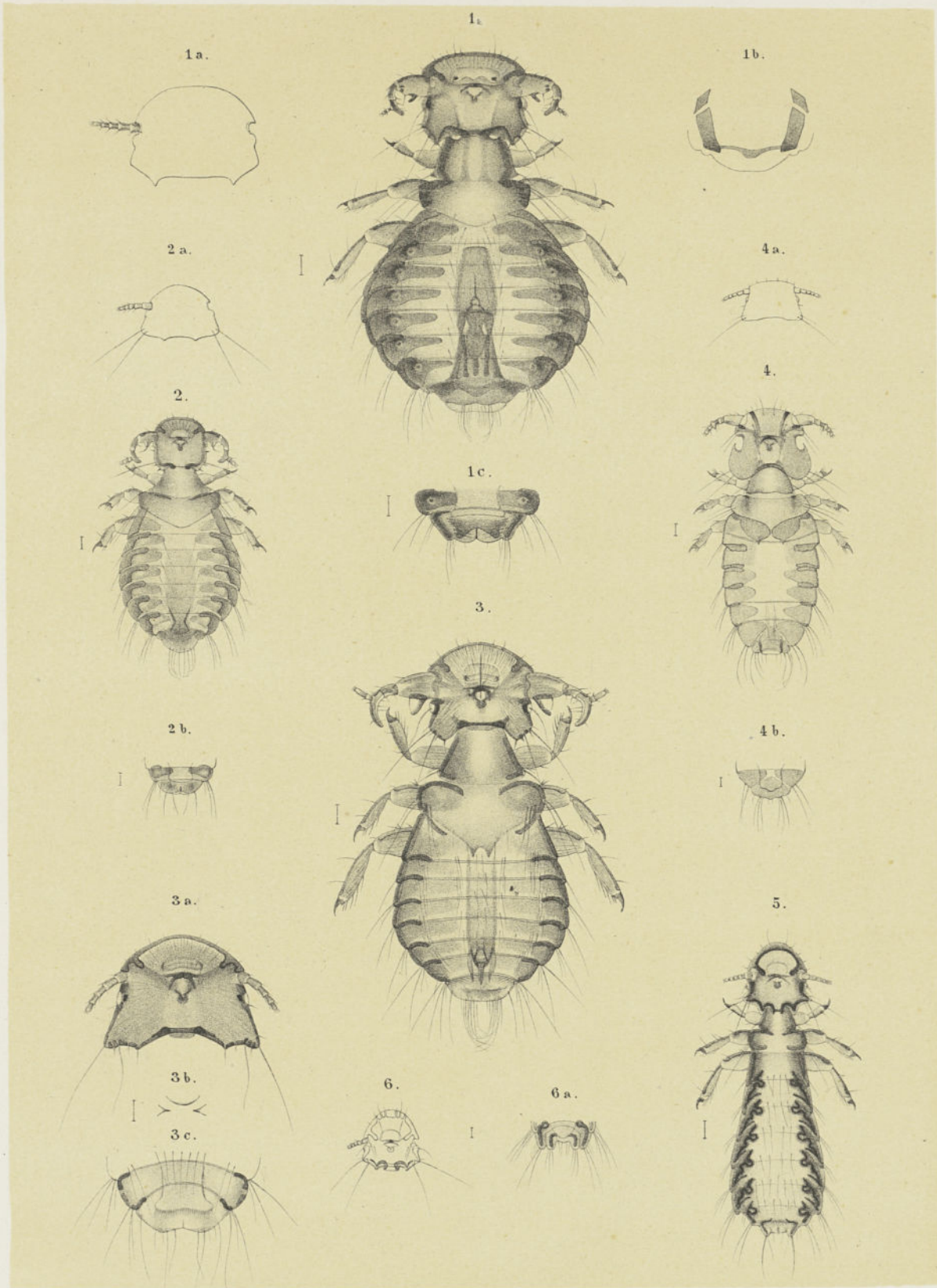
P.W.M. Trap impr.

A.J. Wondel Hth.

## PLANCHE XXIII.

---

- Fig. 1 *Goniodes falcicornis* ♂.  
" 1a tête ♀.  
" 2b derniers segments ♂ (face ventrale).  
" 1c " " ♀.
- " 2 *Gd. parviceps* ♂.  
" 2a tête ♀.  
" 2b derniers segments ♀ (face ventrale).
- " 3 *Gd. bicuspidatus* ♂.  
" 3a tête ♀.  
" 3b épines du 1<sup>er</sup> segment abdominal ♀.  
" 3c derniers segments ♀ (face ventrale).
- " 4 *Gd. excavatus* ♂.  
" 4a tête ♀.  
" 4b derniers segments ♀ (face ventrale).
- " 5 *Gd. elongatus* ♀.
- " 6 *Gd. ortygis* tête ♀.  
" 6a derniers segments (face ventrale).
-



E. Piaget fec.

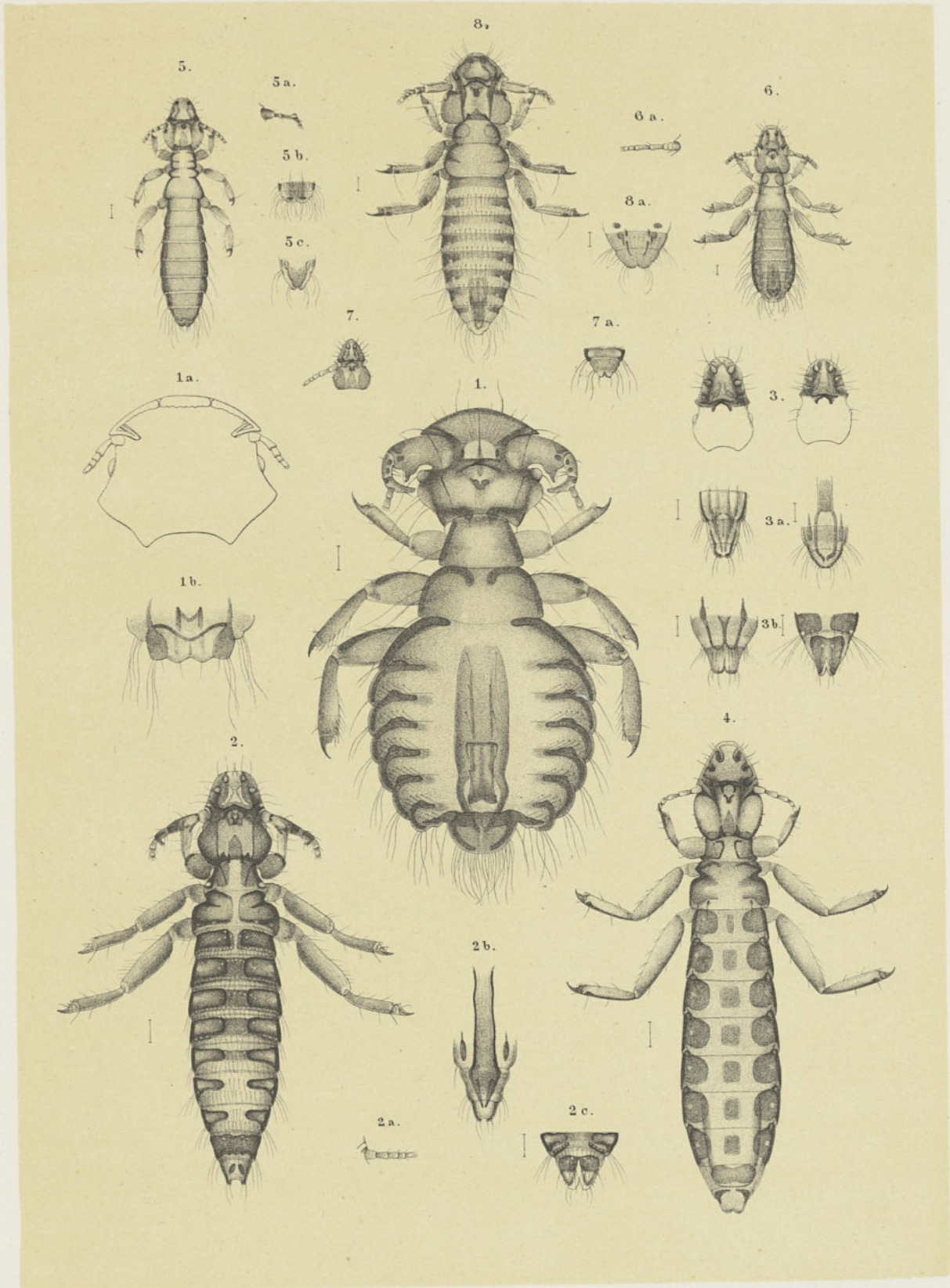
P.W.M. Trap impr.

A.J. Wendel lith.

## PLANCHE XXIV.

---

- Fig. 1 *Goniodes major* ♂.  
" 1a tête ♀.  
" 1b derniers segments ♀ (face ventrale).
- " 2 *Lipeurus secretarius* ♂.  
" 2a antenne ♀.  
" 2b appareil génital ♂.  
" 2c derniers segments ♀.
- " 3 (à droite) *L. assessor* tête.  
" 3a derniers segments ♂.  
" 3b " " ♀.
- " 3 (à gauche) *L. elongatus* tête.  
" 3a appareil génital ♂.  
" 3b derniers segments ♀ (face ventrale).
- " 4 *L. oviceps* ♀.
- " 5 *L. albidus* ♀.  
" 5a antenne ♂.  
" 5b derniers segments ♀.  
" 5c appareil génital ♂.
- " 6 *L. circumfasciatus* ♂.  
" 6a antenne ♂ grossie.
- " 7 *L. interruptofasciatus* tête ♂.  
" 7a derniers segments ♀.
- " 8 *L. quadrimaculatus* ♂.  
" 8a derniers segments ♀ (face ventrale).
-



E. Piaget fec.

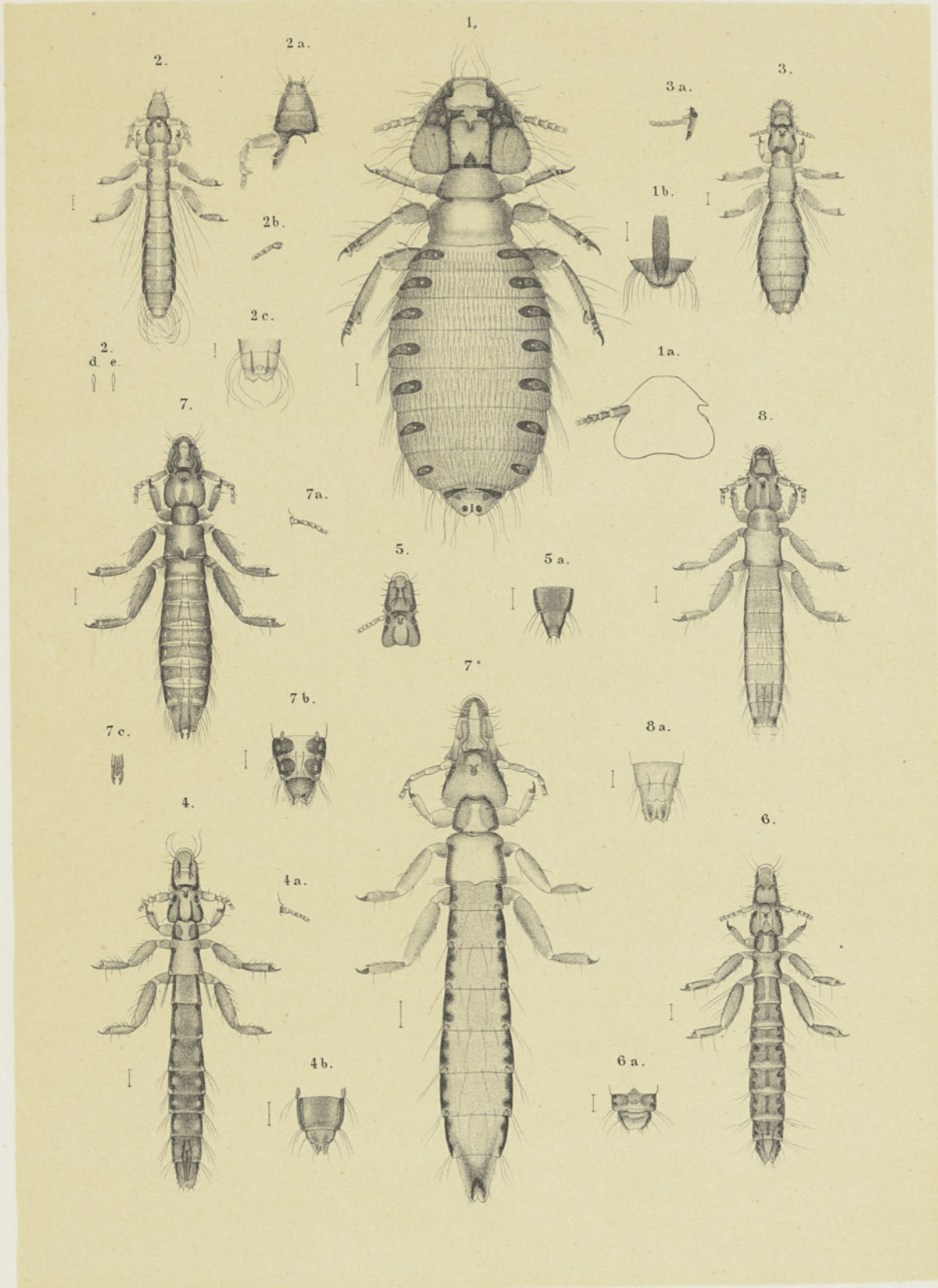
P. W. M. Trap impr.

A. J. Wendel lith.

## PLANCHE XXV.

---

- Fig. 1 *Lipeurus latus* ♀.  
" 1a antenne ♂.  
" 1b appareil génital ♂.
- " 2 *L. baculus* ♂.  
" 2a antenne et tête ♂ grossie.  
" 2b antenne ♀.  
" 2c derniers segments ♀ (face ventrale).  
" 2d appendices du clypéus.  
" 2e " " " variété.
- " 3 *L. longiceps* ♀.
- " 4 *L. angusticeps* ♀.  
" 4a antenne ♀.  
" 4b derniers segments ♀.
- " 5 *L. subangusticeps* (tête ♀).  
" 5a derniers segments ♀.
- " 6 *L. gracilicornis* ♂.  
" 6a derniers segments ♀ (face ventrale).
- " 7 *L. signatus* ♂.  
" 7a antenne ♀.  
" 7b derniers segments ♀.  
" 7c appareil génital ♂.
- " 7' *L. praelongus* ♀.
- " 8 *L. platalearum* ♂.  
" 8a derniers segments ♀.
-



E. Piaget fec.

P.W.M. Trap impr.

A.J. Wendel lith.

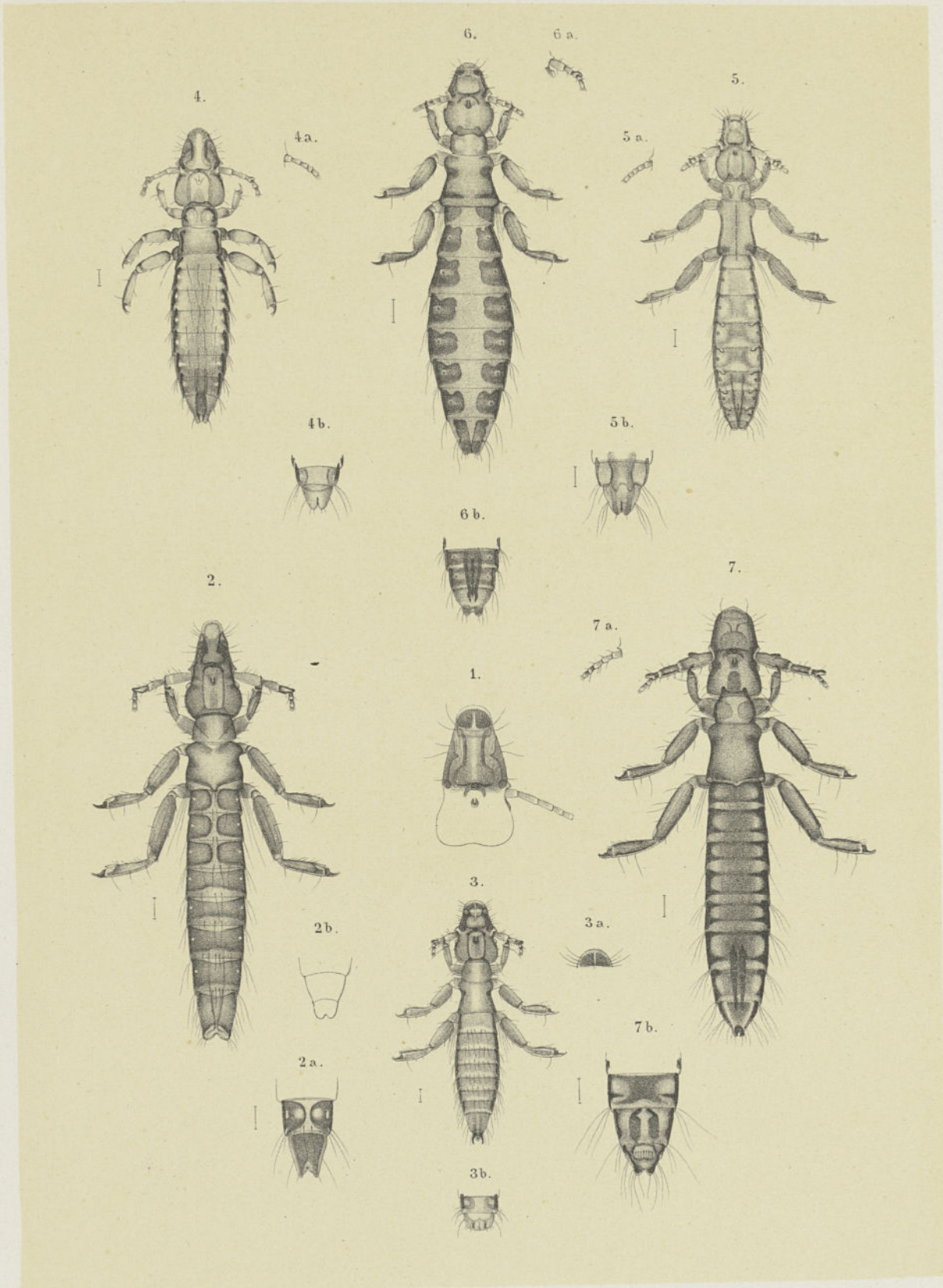
## PLANCHE XXVI.

---

Fig. 1 *Lipeurus aequalis* (tête ♀).

- „ 2 *L. versicolor* ♂.  
„ 2a derniers segments ♀.  
„ 2b *L. maculatus* (derniers segments ♂).
- „ 3 *L. raphidius* ♂.  
„ 3a clypéus grossi.  
„ 3b derniers segments ♀.
- „ 4 *L. leucopygus* ♂.  
„ 4a antenne ♀.  
„ 4b derniers segments ♀.
- „ 5 *L. subsignatus* ♂.  
„ 5a antenne ♀.  
„ 5b derniers segments ♀.
- „ 6 *L. parviceps* ♀.  
„ 6a antenne ♂.  
„ 6b derniers segments ♂.
- „ 7 *L. grandis* ♂.  
„ 7a antenne ♀.  
„ 7b derniers segments ♀.
-





E. Piaget fec.

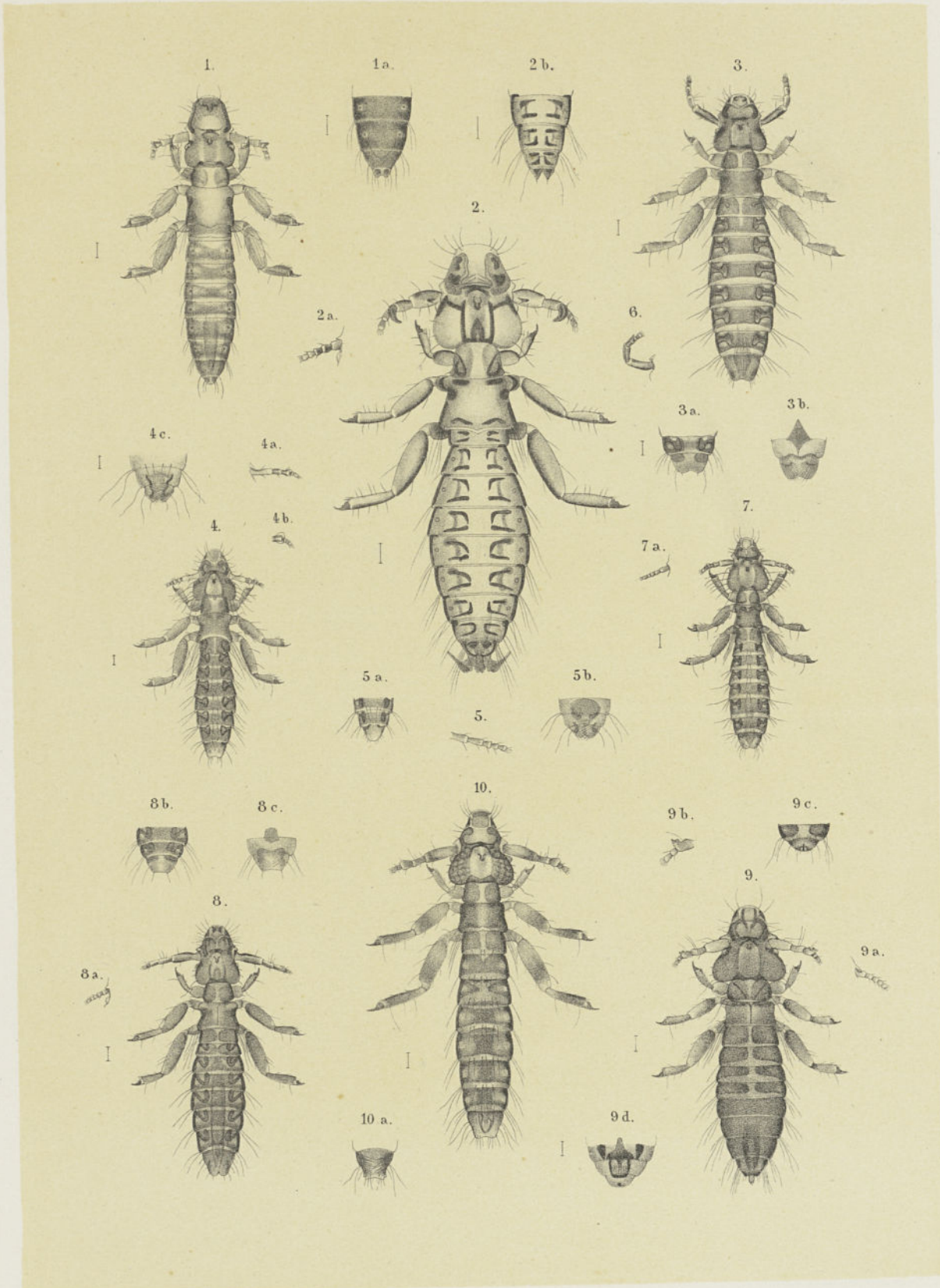
P. W. M. Trap impr.

A. J. Wendel lith.

## PLANCHE XXVII.

---

- Fig. 1 *Lipeurus mutabilis* ♂.  
" 1a derniers segments ♀.
- " 2 *L. hebraeus* ♂.  
" 2a antenne ♀.  
" 2a derniers segments ♀.
- " 3 *L. longicornis* ♂.  
" 3a derniers segments ♀.  
" 3b face ventrale ♀.
- " 4 *L. setosus* ♂.  
" 4a antenne grossie ♂.  
" 4b 3<sup>e</sup> article grossi ♂.  
" 4c derniers segments ♀.
- " 5 *L. subsetosus* (antenne ♂ grossie).  
" 5a derniers segments ♂.  
" 5b face ventrale ♀.
- " 6 *L. brevicornis* (antenne ♂ grossie).
- " 7 *L. setosus* var. *brevisignata* ♂.  
" 7a antenne ♀.
- " 8 *L. gyricornis* ♂.  
" 8a antenne ♀.  
" 8b derniers segments ♀.  
" 8c face ventrale ♀.
- " 9 *L. pullatus* ♂.  
" 9a antenne ♀.  
" 9b 3<sup>e</sup> art. de l'antenne ♂ grossi.  
" 9c derniers segments ♀.  
" 9d taches génitales ♀.
- " 10 *L. annulatus* ♂.  
" 10 derniers segment ♂.
-



E. Picaet fec.

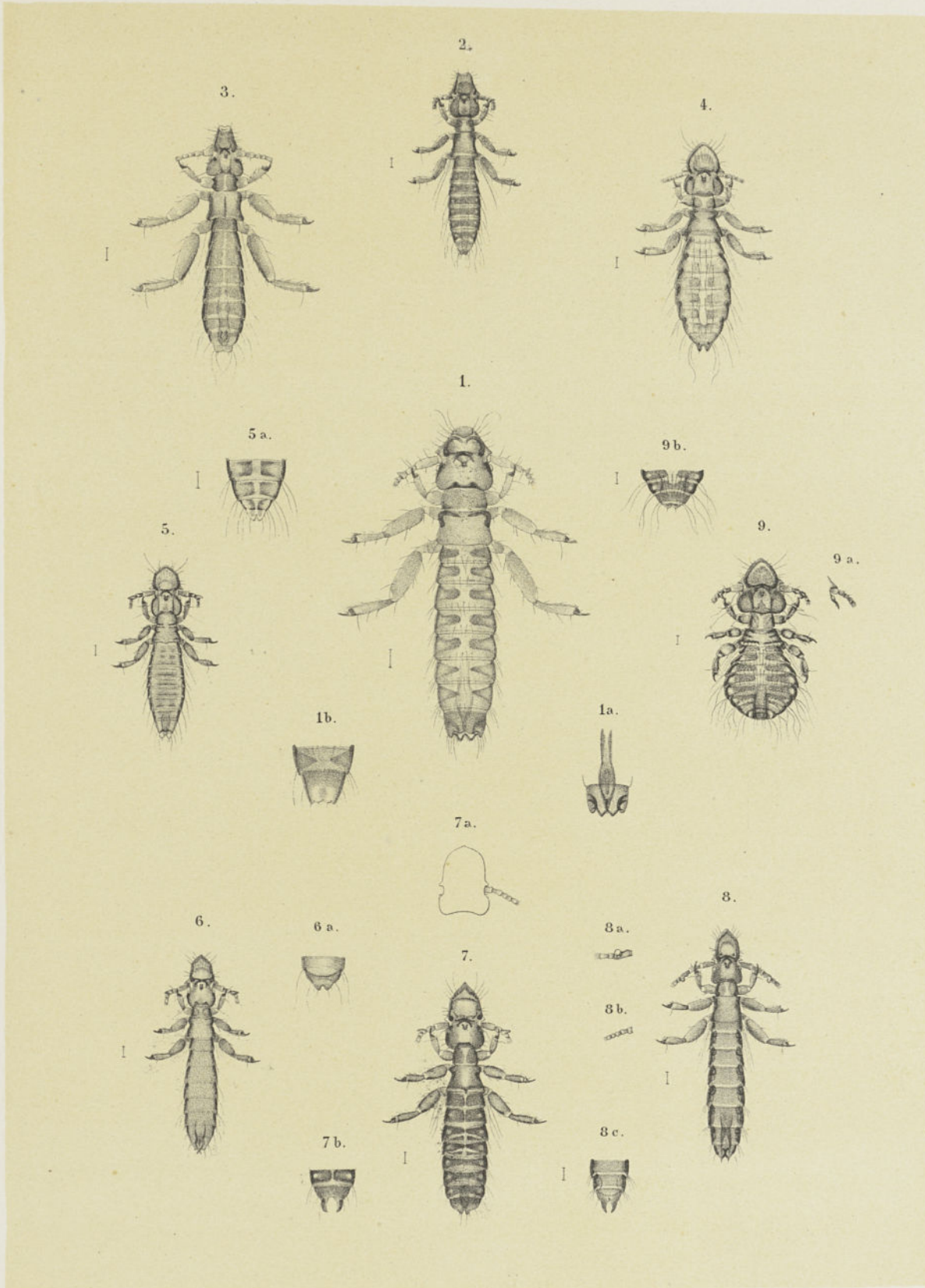
P.W.M. Trap impr.

A.J. Wendel lith

## PLANCHE XXVIII.

---

- Fig. 1 *Lipeurus bifasciatus* ♂.  
„ 1a appareil génital ♂.  
„ 1b derniers segments ♀.
- „ 2 *L. emarginatus* ♂.
- „ 3 *L. longipes* ♂.
- „ 4 *L. heterogrammicus* ♀.
- „ 5 *L. cinereus* ♂.  
„ 5a derniers segments ♀.
- „ 6 *L. unicolor* ♂.  
„ 6a derniers segments ♀.
- „ 7 *L. inaequalis* ♂.  
„ 7a tête ♀.  
„ 7b derniers segments ♀.
- „ 8 *L. appendiculatus* ♂.  
„ 8a 3<sup>e</sup> article de l'antenne ♂ grossi.  
„ 8b antenne ♀.  
„ 8c derniers segments ♀.
- „ 9 *L. docophoroides* ♂.  
„ 9a antenne ♀.  
„ 9b derniers segments ♀.
-



E. Piaget fec.

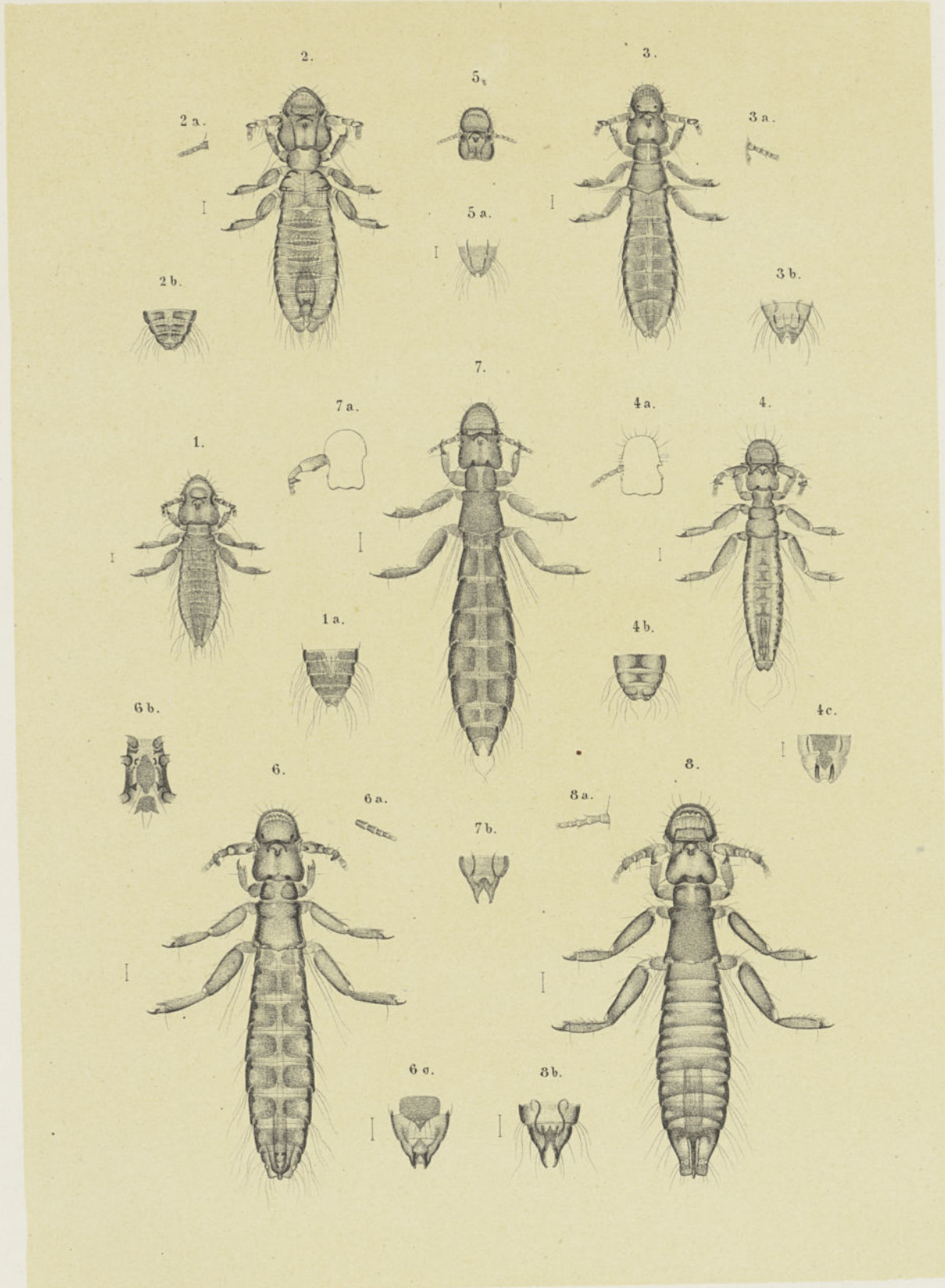
P. W. M. Trap impr.

A. J. Wendel lith.

## PLANCHE XIX.

---

- Fig. 1 *Lipeurus dissimilis* ♂.  
" 1a derniers segments ♀.
- " 2 *L. heterographus* ♂.  
" 2a antenne ♀.  
" 2b derniers segments ♀.
- " 3 *L. mesopelius* ♂.  
" 3a antenne ♀.  
" 3b derniers segments ♀.
- " 4 *L. variabilis* ♂.  
" 4a tête ♀.  
" 4b derniers segments ♀.  
" 4c tache génitale ♀.
- " 5 *L. variabilis* var.  $\epsilon$  (tête ♀).  
" 5a derniers segments ♀.
- " 6 *L. polytrapezius* ♂.  
" 6a antenne ♂.  
" 6b face sternale.  
" 6c tache génitale ♀.
- " 7 *L. intermedius* ♀.  
" 7a tête ♂.  
" 7b tache génitale ♀.
- " 8 *L. longus* ♂.  
" 8a antenne ♀.  
" 8b taches génitales ♀.
-



E. Piaget fec.

P.W.M. Trap impr.

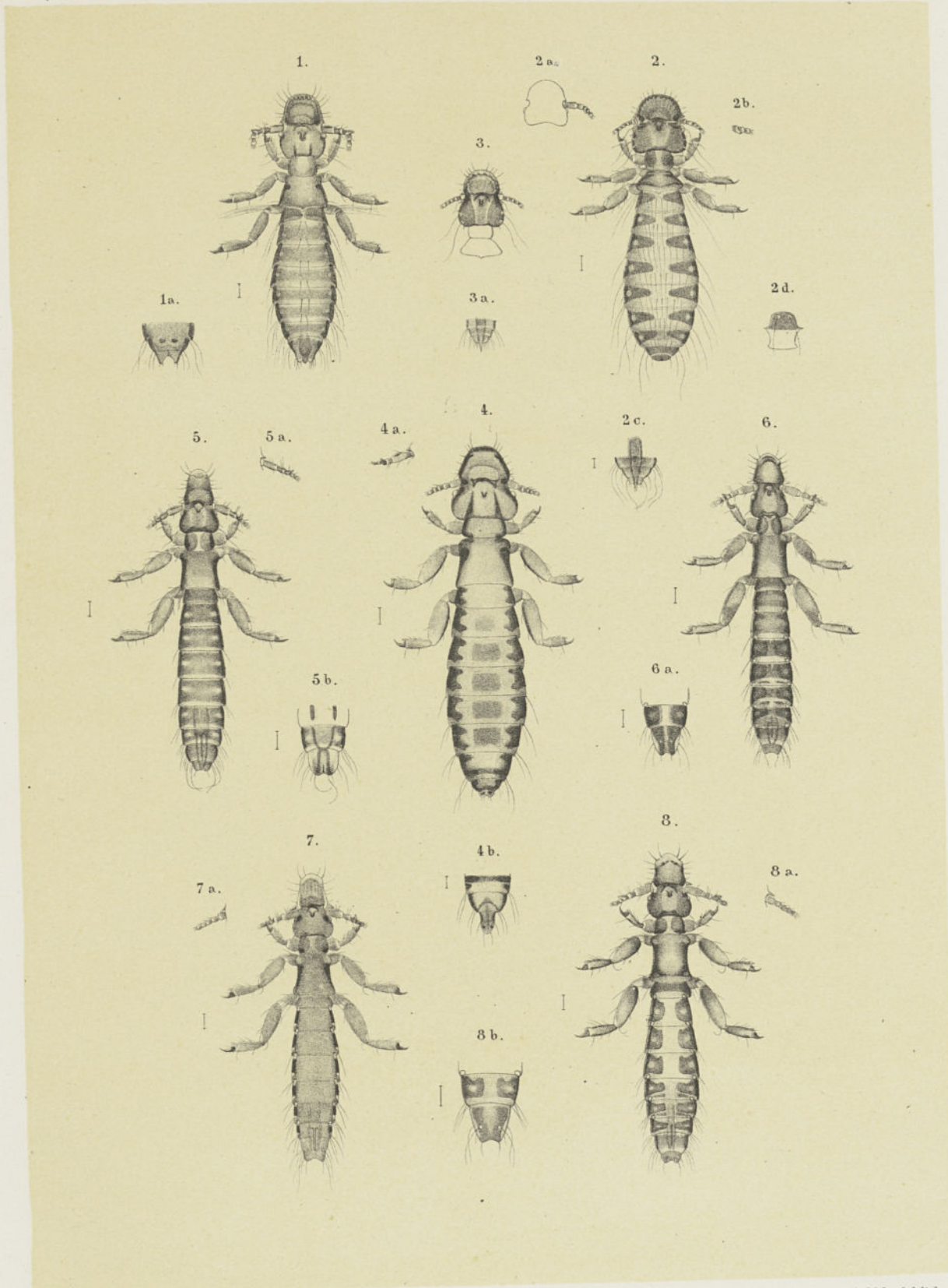
A.J. Wendel lith.

## PLANCHE XXX.

---

- Fig. 1 *Lipeurus ochraceus* ♂  
" 1a taches génitales ♀.
- " 2 *L. turmalis* ♀.  
" 2a tête ♂.  
" 2b les 3 derniers articles de l'antenne ♂ *grossis.*  
" 2c derniers segments ♂.  
" 2d tache génitale ♀.
- " 3 *L. antilogus* (tête ♀).  
" 3a derniers segments ♂.
- " 4 *L. tricolor* ♀.  
" 4a antenne ♂.  
" 4b derniers segments ♂.
- " 5 *L. squalidus* ♂.  
" 5a antenne ♂ de la var. *pallida.*  
" 5b taches génitales ♀.
- " 6 *L. thoracicus* ♂.  
" 6a derniers segments ♀.
- " 7 *L. lacteus* ♂.  
" 7a antenne ♀.
- " 8 *L. jejunos* ♂.  
" 8a antenne ♀.  
" 8b derniers segments ♀.
-

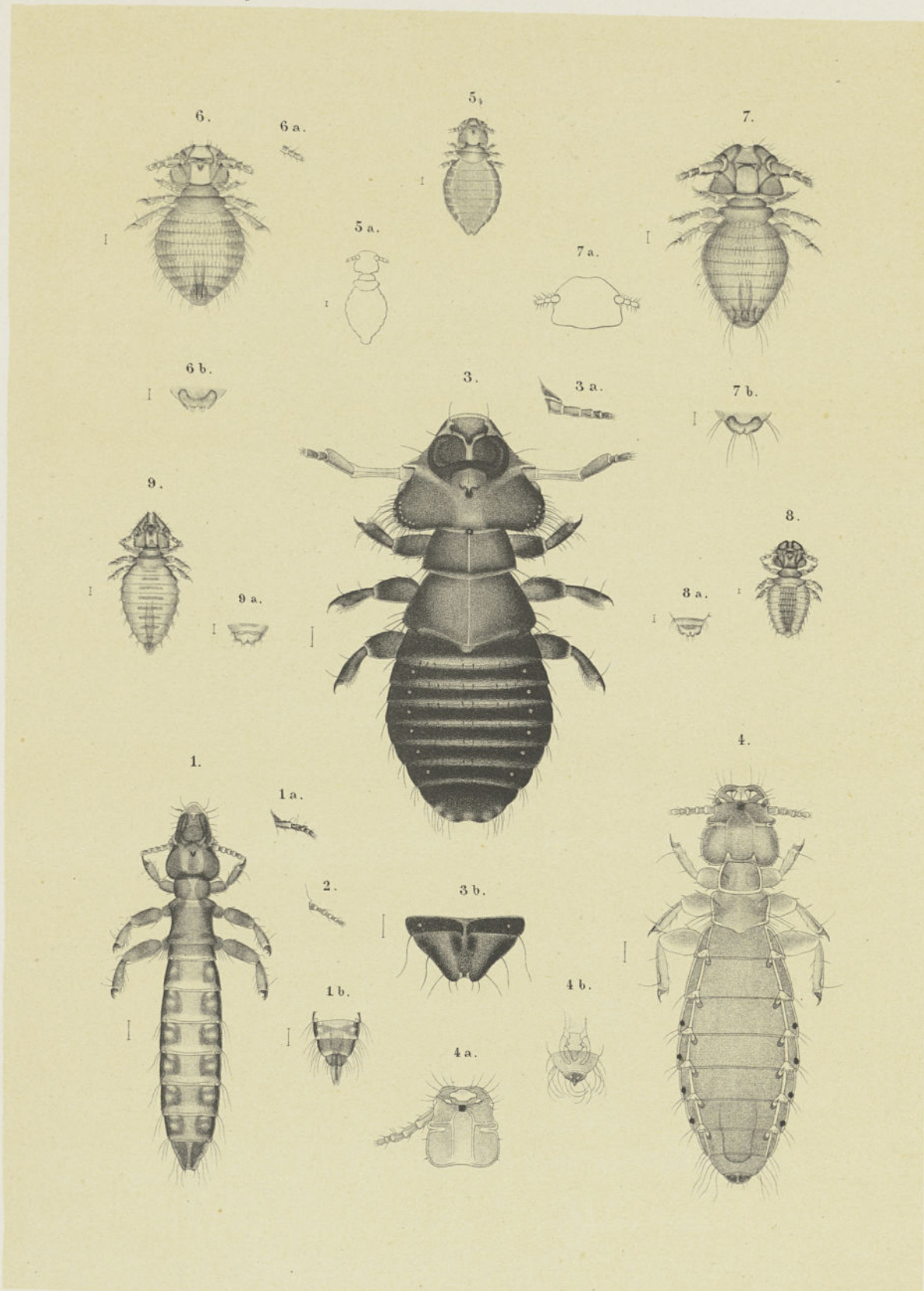




## PLANCHE XXXI.

---

- Fig. 1 *Lipeurus temporalis* ♀.  
„ 1a antenne ♂.  
„ 1b appareil génital ♂.
- „ 2 *L. temporalis* var. antenne ♂.
- „ 3 *L. taurus* ♂.  
„ 3a antenne ♀.  
„ 3b derniers segments ♀.
- „ 4 *Ornithobius bucephalus* ♀.  
„ 4a tête ♂.  
„ 4b derniers segments ♂.
- „ 5 *Trichodectes exilis* ♀.  
„ 5a „ „ ♂.
- „ 6 *T. latus* ♂.  
„ 6a antenne ♀.  
„ 6b derniers segments ♀.
- „ 7 *T. crassus* ♂.  
„ 7a tête ♀.  
„ 7b derniers segments ♀.
- „ 8 *T. retusus* ♂.  
„ 8a derniers segments ♀.
- „ 9 *T. subrostratus* ♂.  
„ 9a derniers segments ♀.
-



E. Piaget fec.

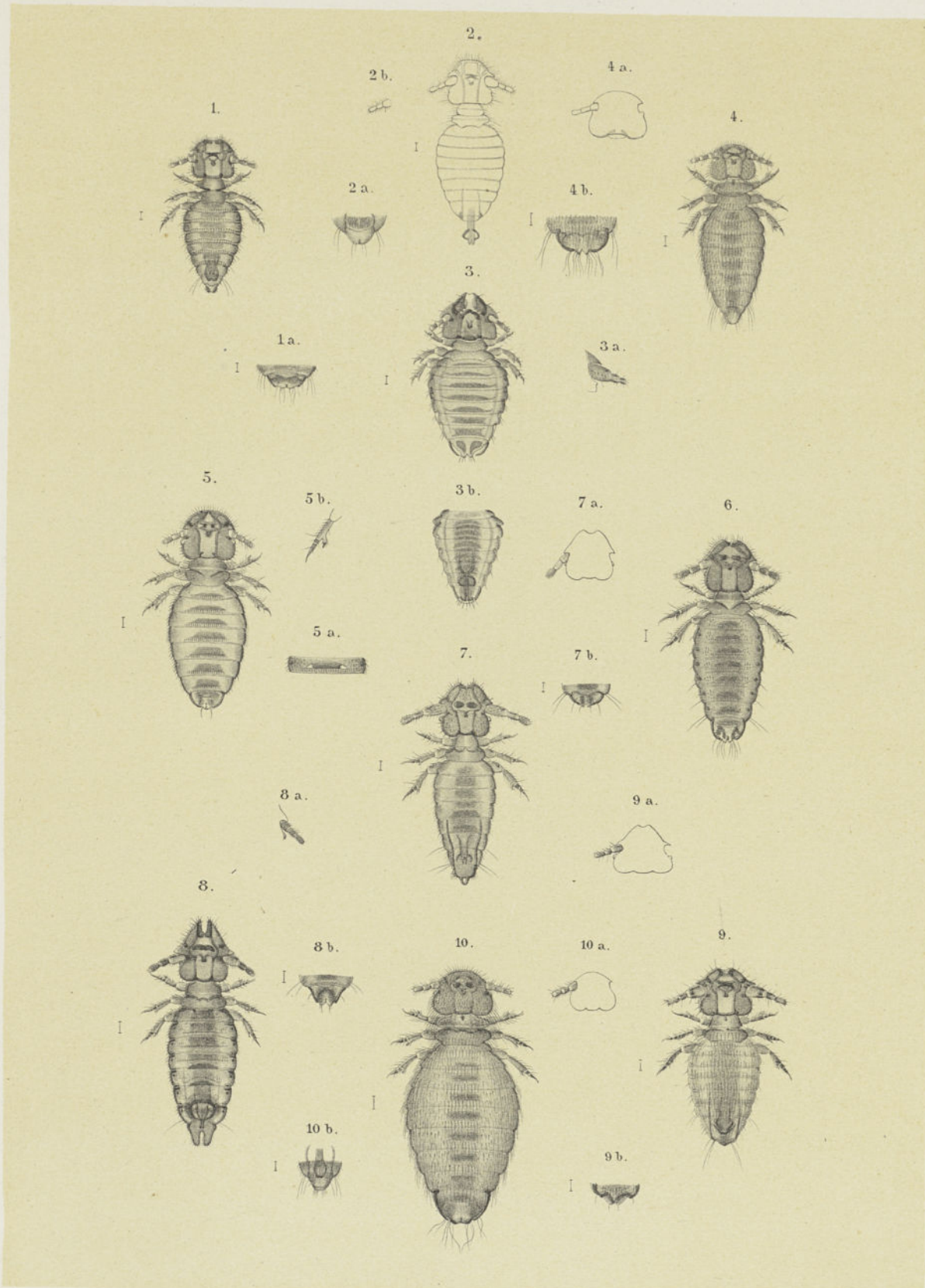
P. W. M. Trap impr.

A. J. Wendel lith.

## PLANCHE XXXII.

---

- Fig. 1 *Trichodetes climax* ♂.  
" 1a derniers segments ♀.
- " 2 *T. sphaerocephalus* ♂.  
" 2a derniers segments ♀.
- " 3 *T. inaequalis* ♀.  
" 3a antenne ♂.  
" 3b abd. mâle.
- " 4 *T. pilosus* ♂.  
" 4a tête ♀.  
" 4b derniers segments ♀.
- " 5 *T. parumpilosus* ♀.  
" 5a " " var. *occellata*, segment de l'abd.  
" 5b " " var. *tarsata*, tibia et tarses.
- " 6 *T. tibialis* ♀.
- " 7 *T. forficula* ♂.  
" 7a tête ♀.  
" 7b derniers segments ♀.
- " 8 *T. crenelatus* ♀.  
" 8a antenne ♀.  
" 8b derniers segments ♀.
- " 9 *T. pallidus* ♂.  
" 9a tête ♀.  
" 9b derniers segments ♀.
- " 10 *T. penicillatus* ♂.  
" 10a tête ♀.  
" 10b derniers segments ♀.
-



E. Piaget fec.

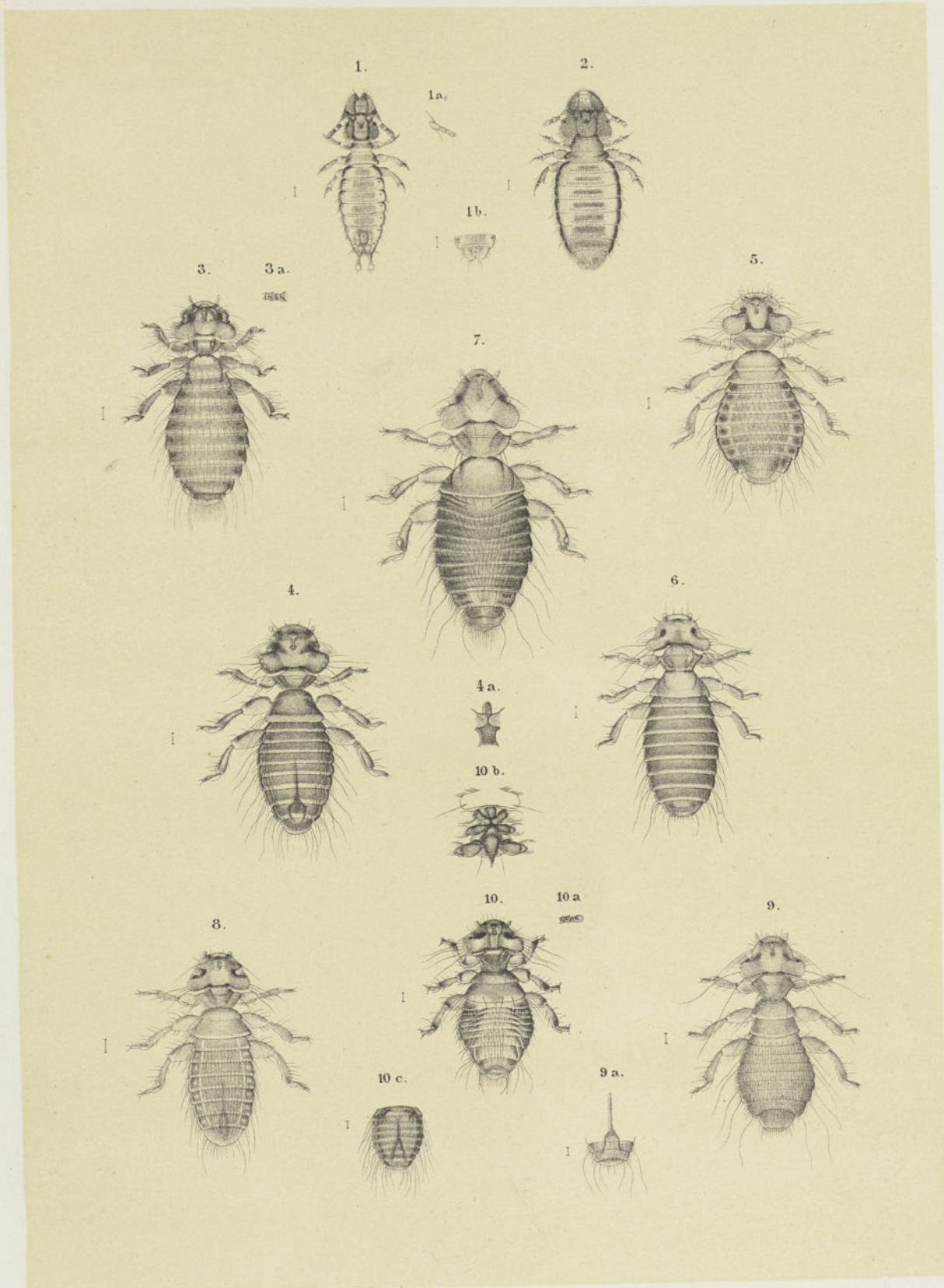
P.W.M. Trap impr.

A.J. Wendel lith.

## PLANCHE XXXIII.

---

- Fig. 1 *Trichodectes appendiculatus* ♂.  
" 1a antenne ♀.  
" 1b derniers segments ♀.  
" 2 *T. scalaris* ♀.  
" 3 *Menopon fulvofasciatum*.  
" 3a antenne (grossie).  
" 4 *M. longipes* ♂.  
" 4a taches sternales.  
" 5 *M. platygaster* ♀.  
" 6 *M. parumpilosum* ♀.  
" 7 *M. acuticeps* ♀.  
" 8 *M. semilunare* ♂.  
" 9 *M. pilosum* ♀.  
" 10 *M. trinoton* ♀.  
" 10a antenne grossie.  
" 10b face sternale.  
" 10c abdomen ♂.
-



E. Piaget fec.

P.W.M. Trap impr.

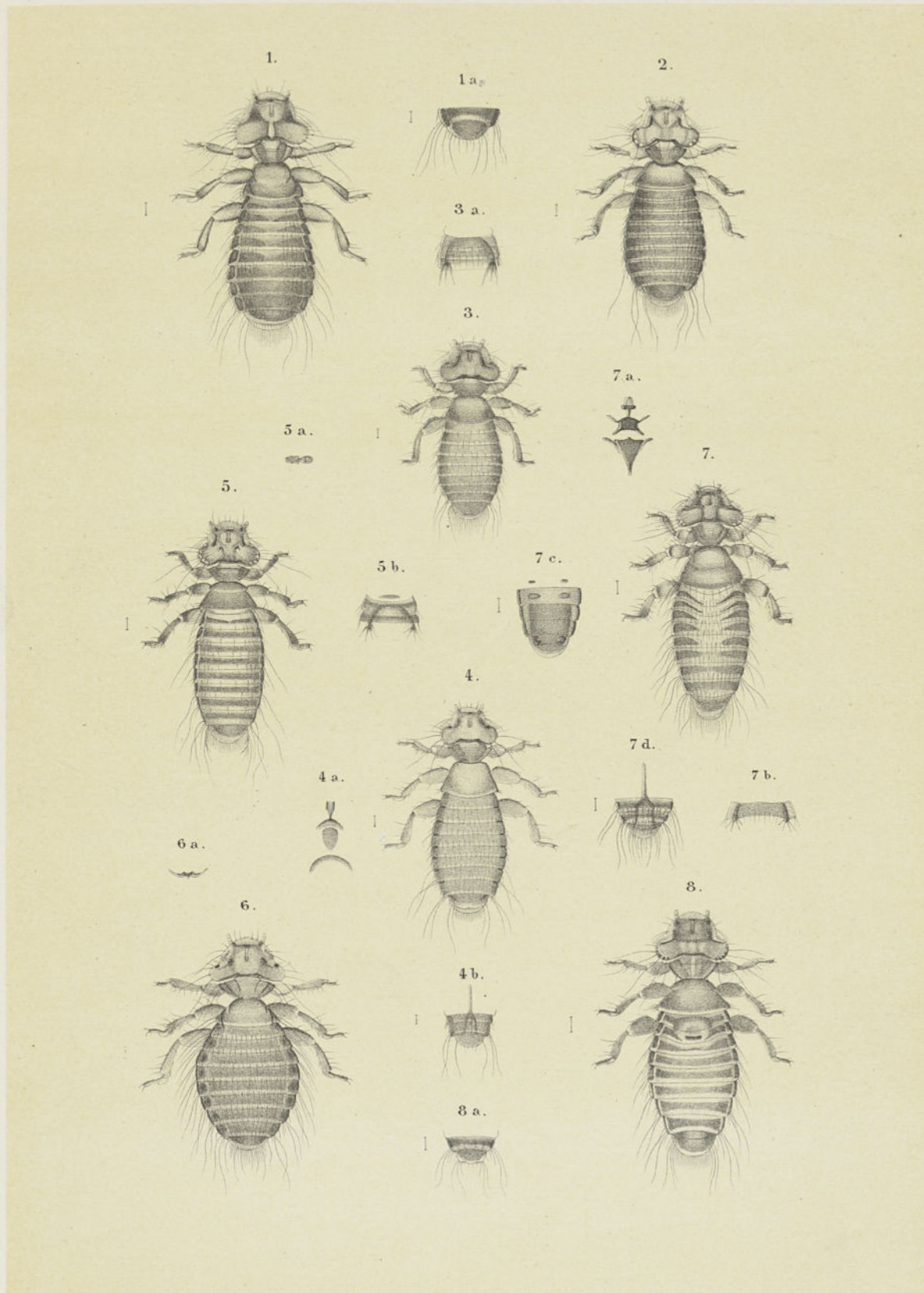
A.J. Wendel lith.

## PLANCHE XXXIV.

---

- Fig. 1 *Menopon obovatum* ♀.  
" 1a derniers segments ♂.
- " 2 *M. picae* ♀.
- " 3 *M. indivisum* ♀.  
" 3a premiers segments de l'abd. face ventrale.
- " 4 *M. albipes* ♀.  
" 4a taches sternales.  
" 4b derniers segments ♂.
- " 5 *M. brunneum* ♀.  
" 5a antenne grossie.  
" 5b premiers segments, face ventrale.
- " 6 *M. ovatum* ♀.  
" 6a 2<sup>de</sup> tache sternale.
- " 7 *M. mesoleucum* ♀.  
" 7a taches sternales.  
" 7b 1<sup>ers</sup> segments de l'abd., face ventrale.  
" 7c taches génitales ♀.  
" 7d derniers segments ♂.
- " 8 *M. anathorax* ♀.  
" 8a derniers segments ♂.
-





E. Pinget fec.

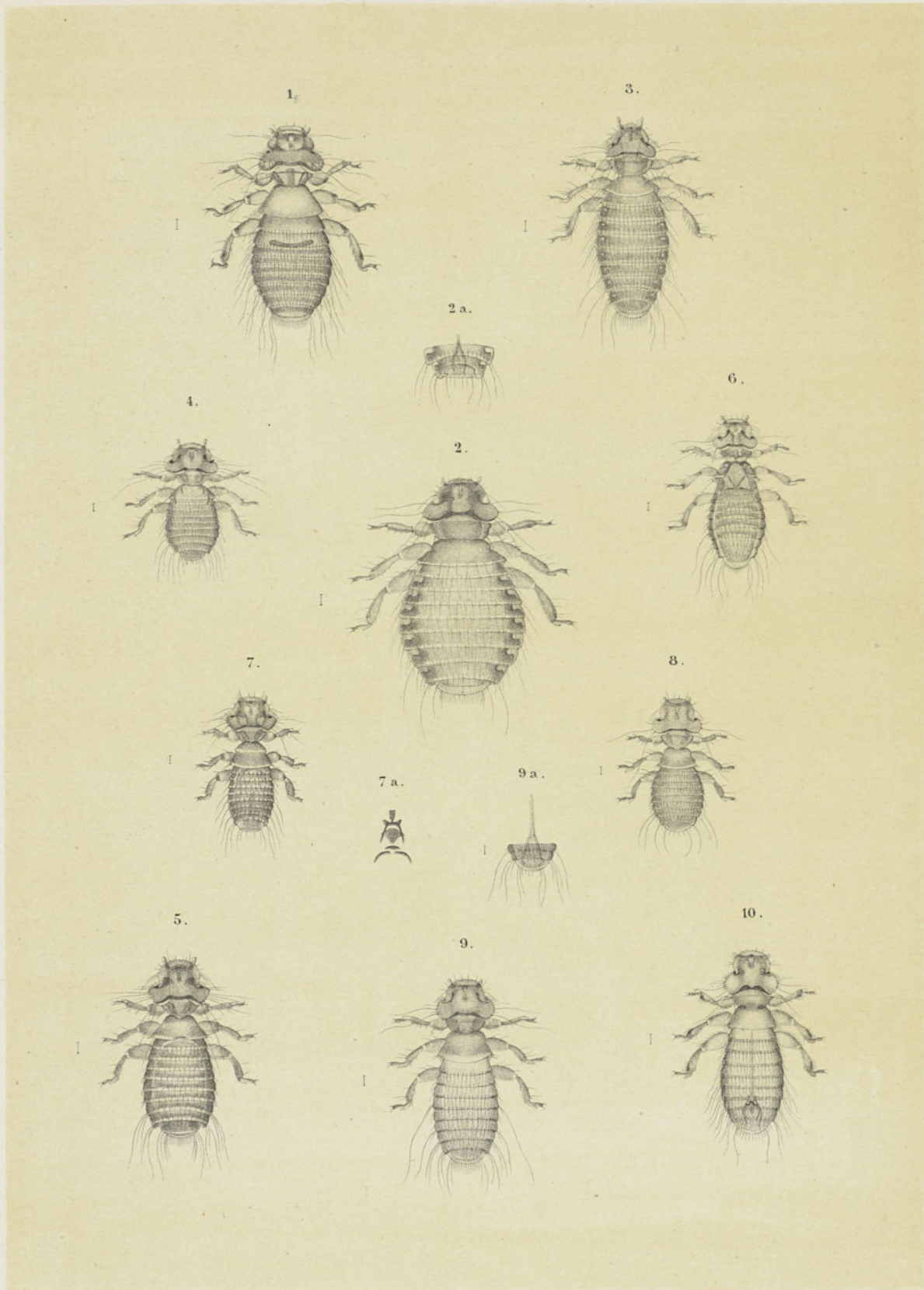
F. W.M., Trap impr.

A.J. Wendel lith.

## PLANCHE XXXV.

---

- Fig. 1 Menopon inaequale ♀.  
„ 2 M. subrotundum ♀.  
„ 2a derniers segments ♂.  
„ 3 M. fertile ♀.  
„ 4 M. parvulum ♀.  
„ 5 M. integrum ♀.  
„ 6 M. quadrifasciatum, face ventrale ♀.  
„ 7 M. crassipes ♂.  
„ 7a taches sternales.  
„ 8 M. breviventre ♀.  
„ 9 M. flavescens ♀.  
„ 9a derniers segments ♂.  
„ 10 M. bifurcatum ♂.
-



E. Piaget fec.

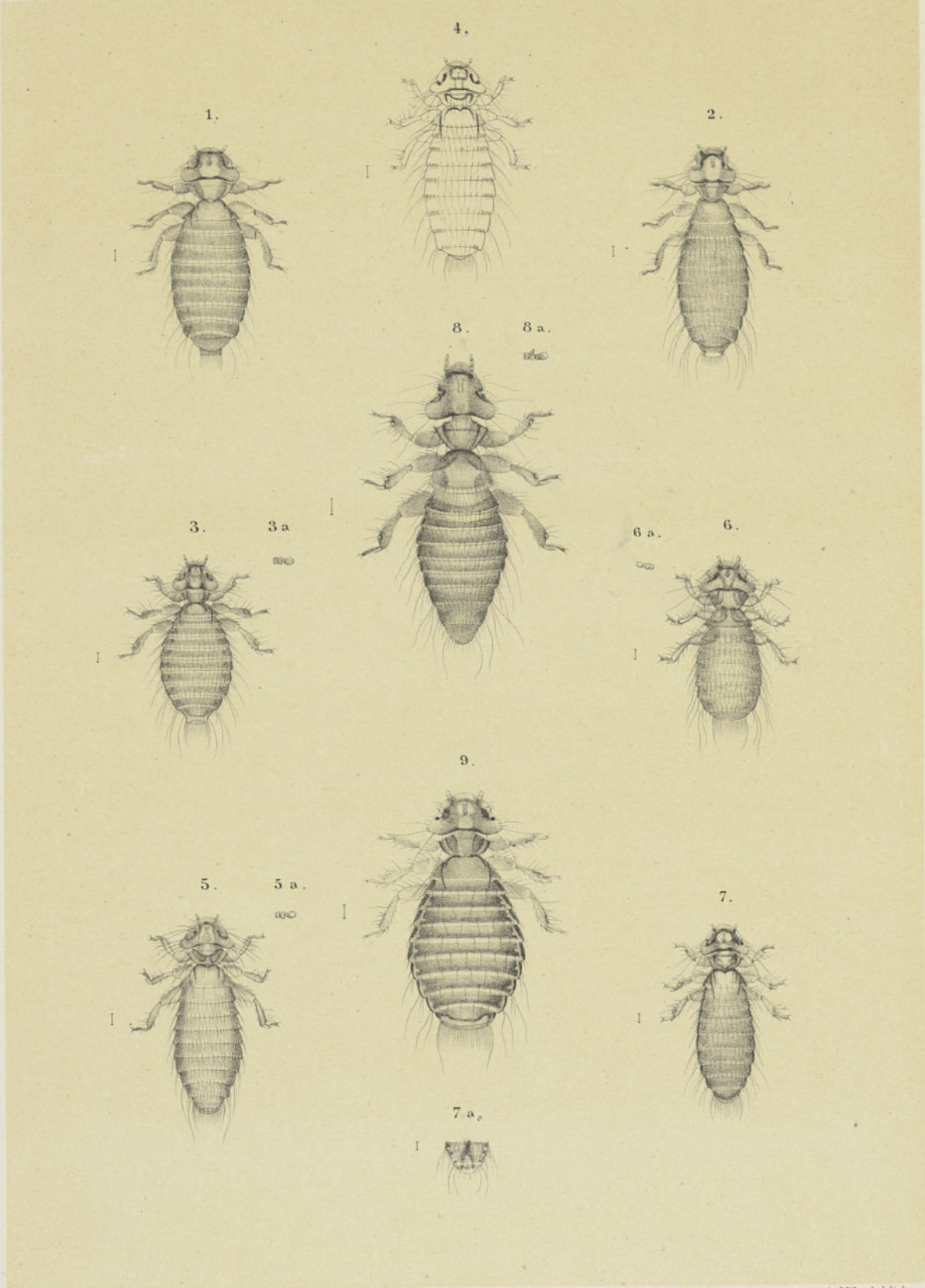
P. W. M. Trap impr.

A. J. Wendel lith.

## PLANCHE XXXVI.

---

- Fig. 1 *Menopon germanum* ♀.  
„ 2 *M. rusticum* ♀.  
„ 3 *M. parviceps* ♀.  
„ 3a antenne grossie.  
„ 4 *M. spinosum* ♀.  
„ 5 *M. spinosum* var. ♀.  
„ 5a antenne grossie.  
„ 6 *M. dubium* ♀.  
„ 6a antenne grossie.  
„ 7 *M. meniscus* ♀.  
„ 7a derniers segments ♂.  
„ 8 *M. appendiculatum* ♀.  
„ 8a antenne grossie.  
„ 9 *M. abdominale* ♀.
-



E. Piaget fec.

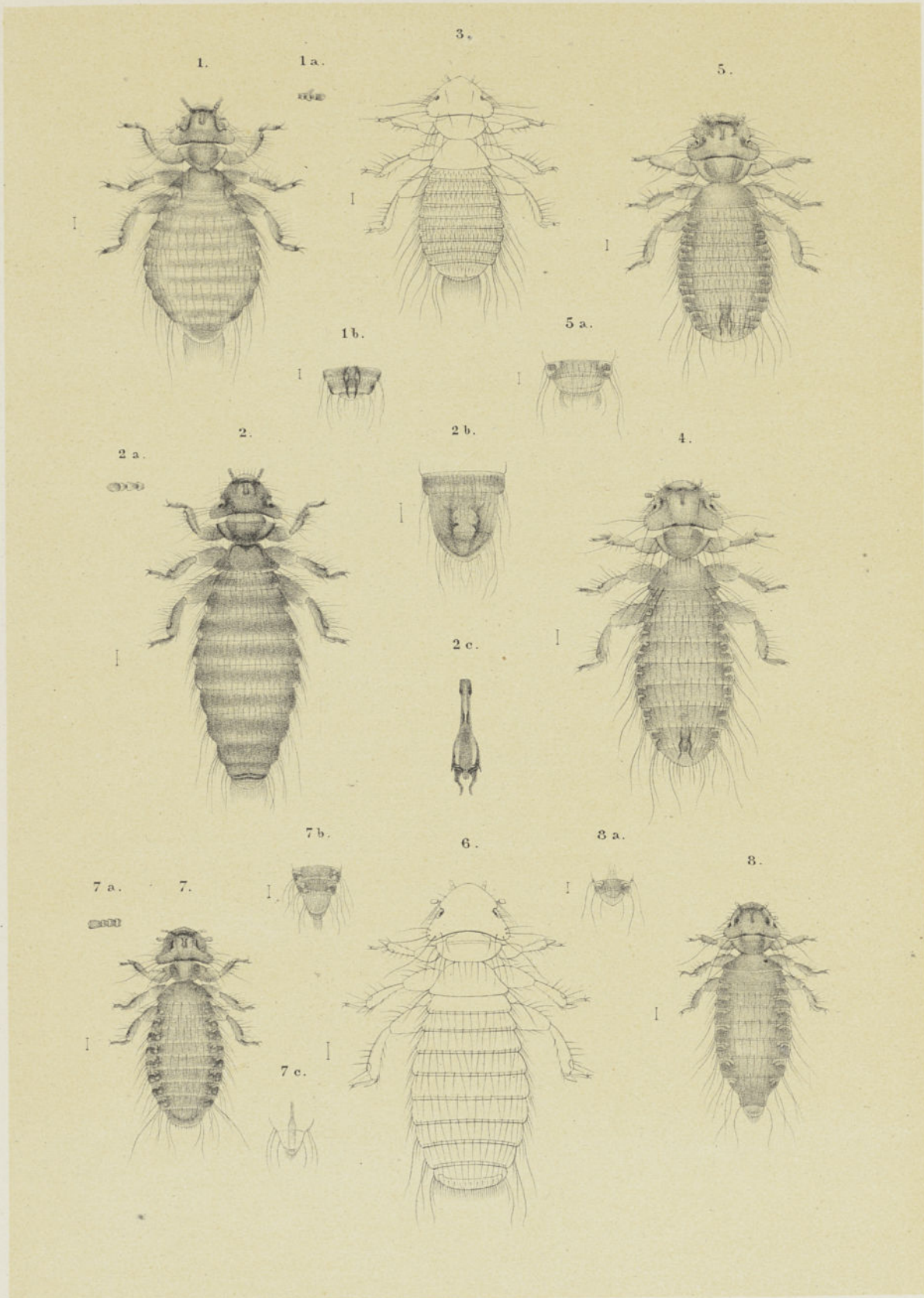
P.W.M. Trap impr.

A.J.Wendel lith.

## PLANCHE XXXVII.

---

- Fig. 1 *Menopon latum* ♀.  
" 1a antenne grossie.  
" 1b derniers segments ♂.
- " 2 *M. biseriatum* ♀.  
" 2a antenne grossie.  
" 2b derniers segments ♂.  
" 2c appareil génital ♂.
- " 3 *M. triseriatum* ♀.
- " 4 *M. uniseriatum* ♂.
- " 5 *M. subaequale* ♂.  
" 5a derniers segments ♀.
- " 6 *M. lativulvatum* ♀.
- " 7 *M. pallidum* ♀.  
" 7a antenne grossie.  
" 7b derniers segments ♂.  
" 7c appareil génital ♂.
- " 8 *M. productum* ♀.  
" 8a derniers segments ♂.
-



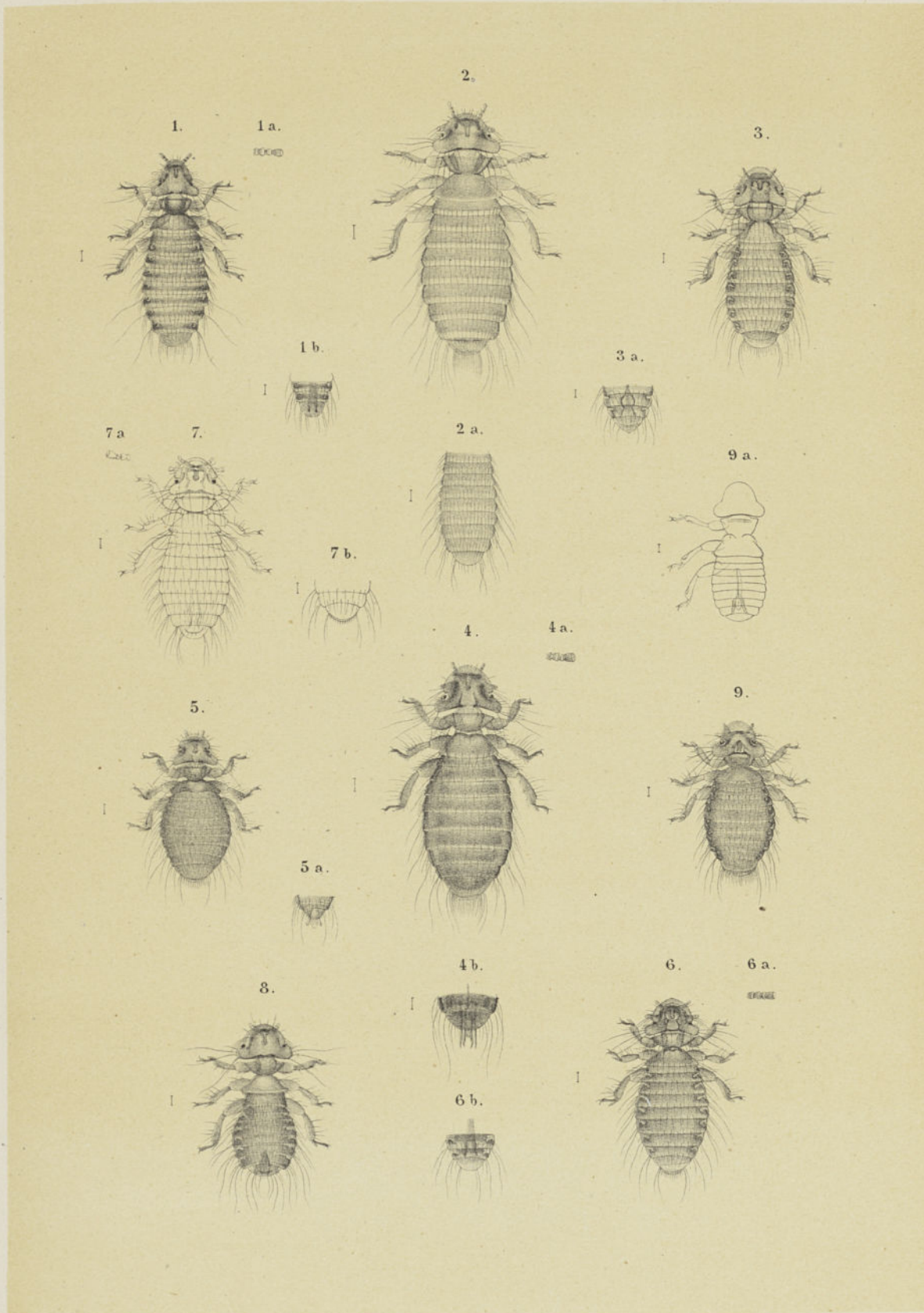
E. Picaudet fec.

P. W.M. Trap impr.

A.J. Wendel lith.







E. Pinget fec.

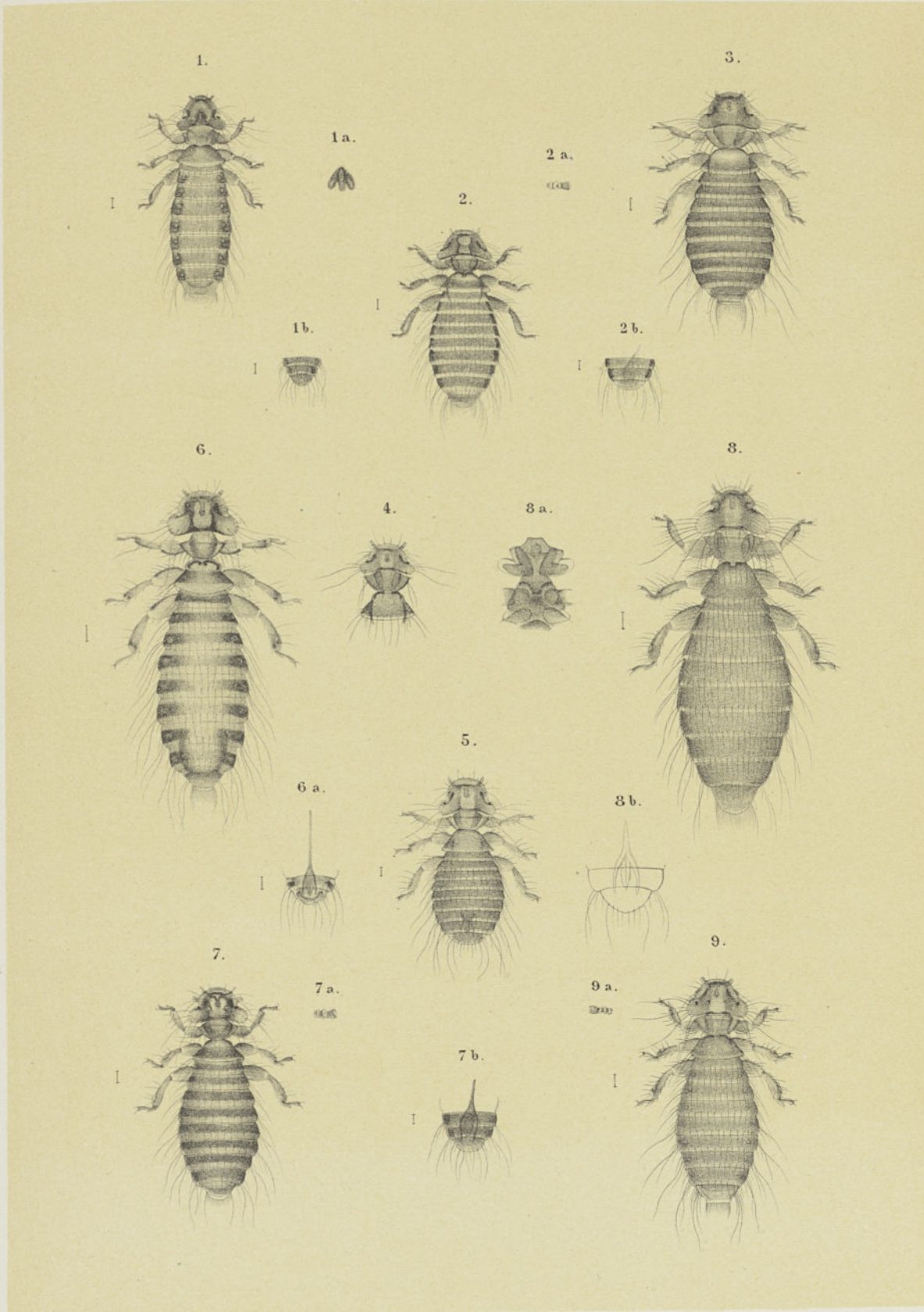
R.W.M. Trap impr.

A. J. Wendel lith.

## PLANCHE XXXIX.

---

- Fig. 1 Menopon tridens ♀.  
" 1a organe grossi.  
" 2b derniers segments ♂.
- " 2 M. atrofulvum ♀.  
" 2a antenne grossie.  
" 2b derniers segments ♂.
- " 3 M. crocatum ♀.
- " 4 M. lutescens ♀ tête.
- " 5 M. crocatum var. ♂.
- " 6 M. temporale ♀.  
" 6a derniers segments ♂.
- " 7 M. sulcatum ♀.  
" 7a antenne grossie.  
" 7b derniers segments ♂.
- " 8 M. femorale ♀.  
" 8a face sternale.  
" 8b derniers segments ♂.
- " 9 M. icterum ♀.  
" 9a antenne grossie.
-



E. Piaget fec.

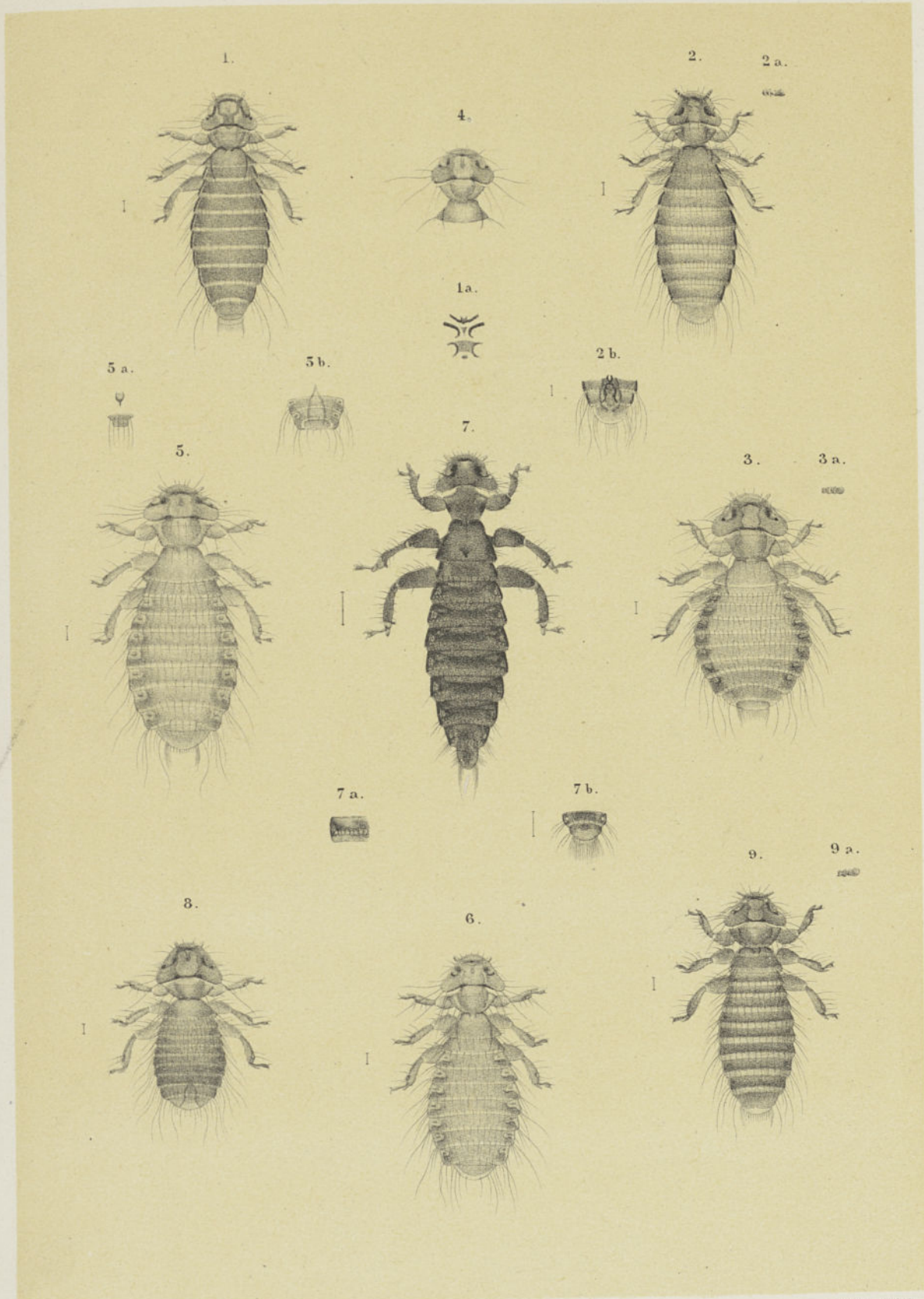
P. W. M. Trap impr.

A. J. Wendel lith.

## PLANCHE XL.

---

- Fig. 1 Menopon gracile ♀.  
" 1a taches sternales.
- " 2 M. longum ♀.  
" 2a antenne grossie.  
" 2b derniers segments ♂.
- " 3 M. eurum ♀.  
" 3a antenne grossie.
- " 4 M. intermedium ♀ tête.
- " 5 M. brevipalpe ♀.  
" 5a taches sternales.  
" 5b derniers segments ♂.
- " 6 albofasciatum ♀.
- " 7 M. titan ♂ réduit de moitié.  
" 7a partie d'un segment grossie.  
" 7b derniers segments ♀.
- " 8 M. obscurum ♀.
- " 9 M. fuscofasciatum ♂.  
" 9a antenne grossie.
-



E. Piaget fec.

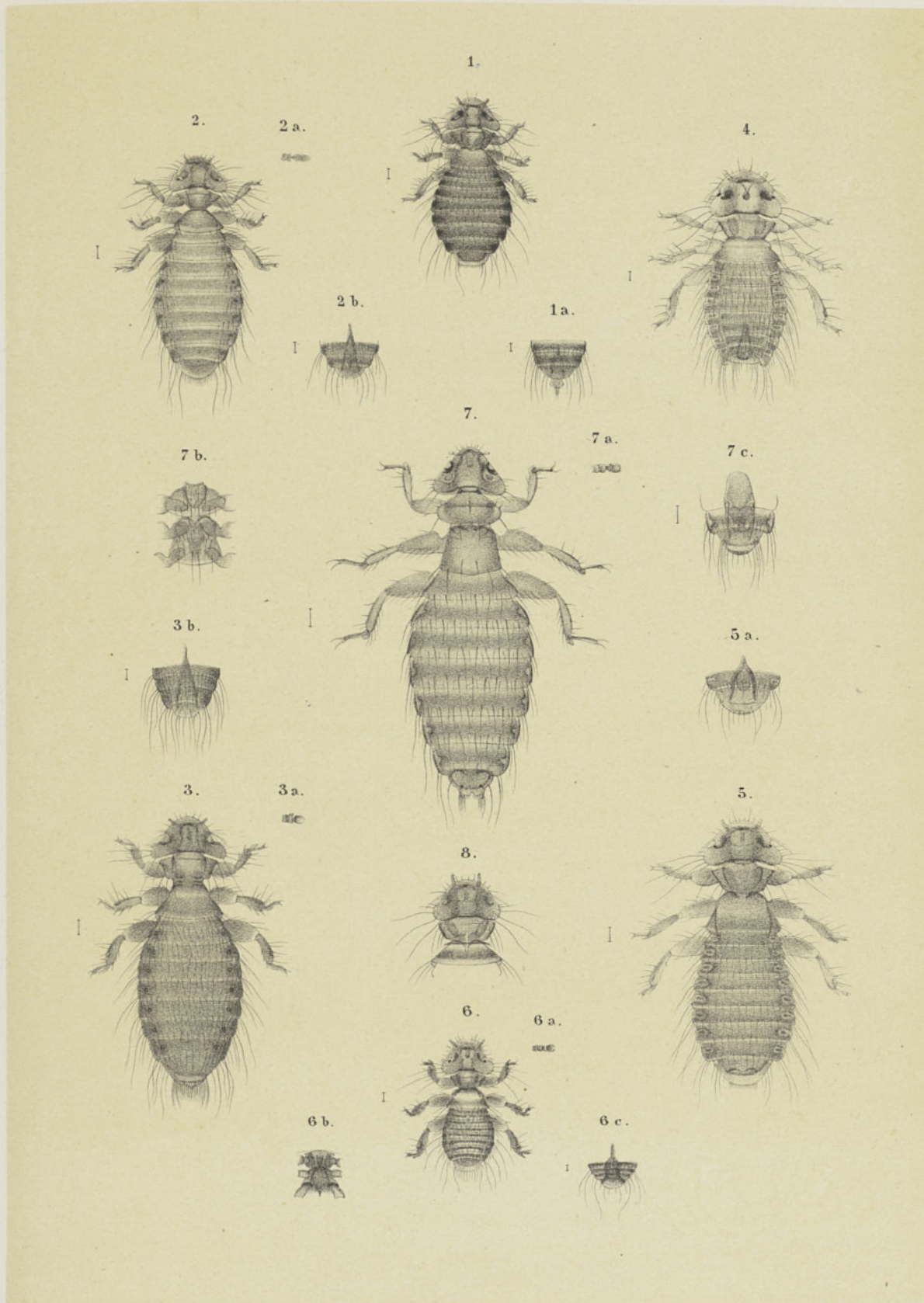
P. W. M. Trap impr.

A. J. Wendel lith.

## PLANCHE XLI.

---

- Fig. 1 *Menopon brevifimbriatum* ♀.  
" 1a derniers segments ♂.
- " 2 *M. brevithoracicum* ♀.  
" 2a antenne grossie.  
" 2b derniers segments ♂.
- " 3 *M. pustulosum* ♀.  
" 3a antenne grossie.  
" 3b derniers segments ♂.
- " 4 *M. albescens* ♂.
- " 5 *M. longithoracium* ♀.  
" derniers segments ♂.
- " 6 *M. grandiceps* ♀.  
" 6a antenne grossie.  
" 6b face sternale.  
" 6c derniers segments ♂.
- " 7 *M. longitarsus* ♀.  
" 7a antenne grossie.  
" 7b face sternale.  
" 7c derniers segments ♂.
- " 8 *M. phaeopus* ♀ tête.
-



E. Piaget fec.

P. W. M. Trap impr.

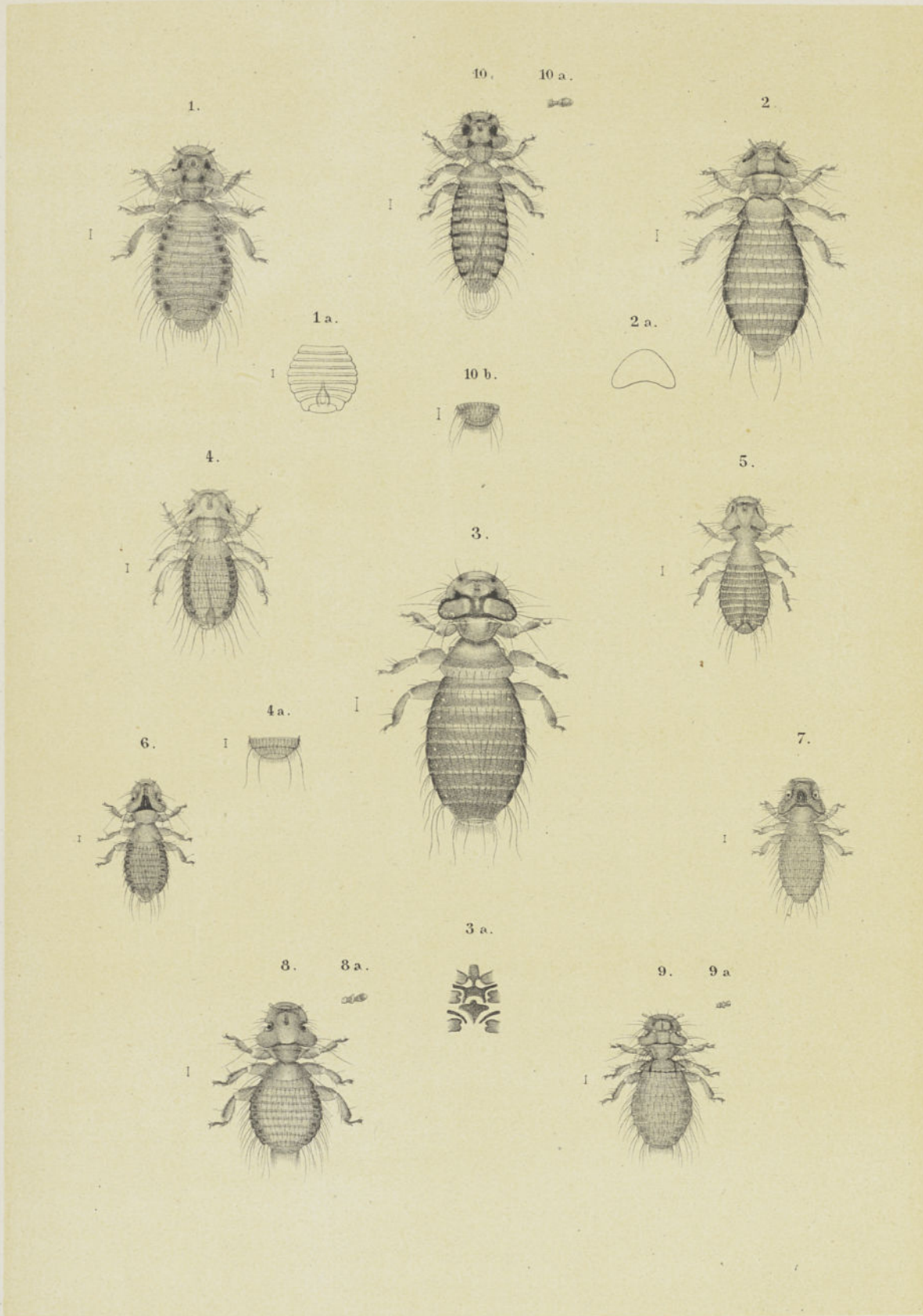
A. J. Wandol lith.

## PLANCHE XLII.

---

- Fig. 1 *Menopon interpolatum* ♀.  
" 1a abdomen ♂.
- " 2 *M. extraneum* ♀.  
" 2a tête ♂.
- " 3 *M. eury sternum* ♀.  
" 3a taches sternales.
- " 4 *M. tarsatum* ♂.  
" 4a derniers segments ♀.
- " 5 *M. flavidum* ♀.
- " 6 *M. scitum* ♂.
- " 7 *M. delicatulum* ♀.
- " 8 *M. menadense* ♀.  
" 8a antenne grossie.
- " 9 *M. perforatum* ♀.  
" antenne grossie.
- " 10 *Colpocephalum flavescens* ♂.  
" 10a antenne grossie.  
" 10b derniers segments ♀.
-





E. Piaget fec.

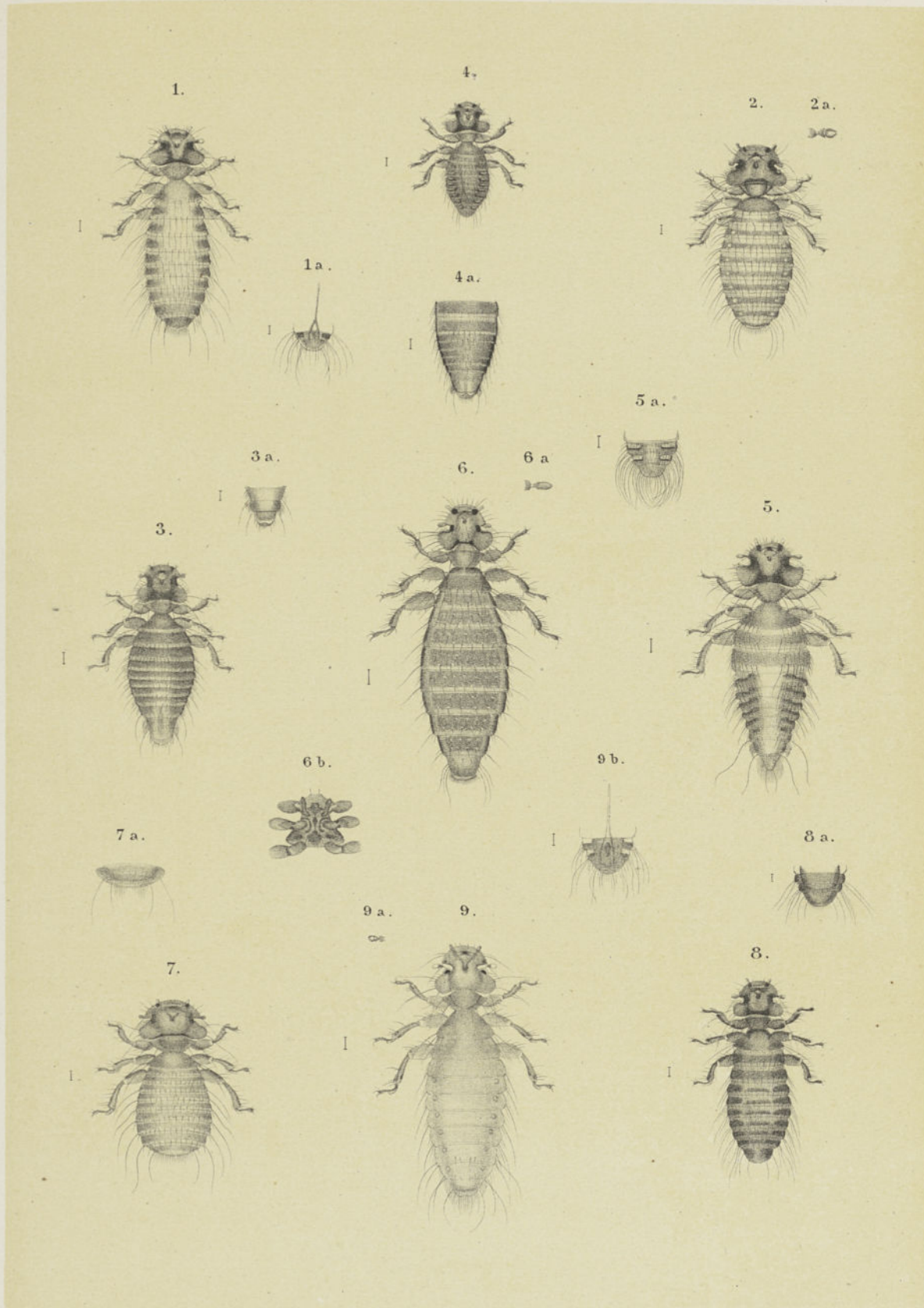
E.W.M. Trap impr.

A.J. Wendel lith.

## PLANCHE XLIII.

---

- Fig. 1 *Colpocephalum maculatum* ♀.  
" 1a derniers segments ♂.
- " 2 *C. subpachygaster* ♀.  
" 2a antenne grossie.
- " 3 *C. caudatum* ♂.  
" 3a derniers segments ♀.
- " 4 *C. dissimile* ♂.  
" 4a abdomen ♀.
- " 5 *C. setosum* ♀.  
" 5a derniers segments ♂.
- " 6 *C. pustulatum* ♀.  
" 6a antenne grossie.  
" 6b face sternale.
- " 7 *C. longipes* ♀.  
" 7a face ventrale ♀.
- " 8 *C. trimaculatum* ♀.  
" 8a face ventrale ♀.
- " 9 *C. pallidum* ♀.  
" 9a antenne.  
" 9b derniers segments ♂.
-



E. Piaget fec.

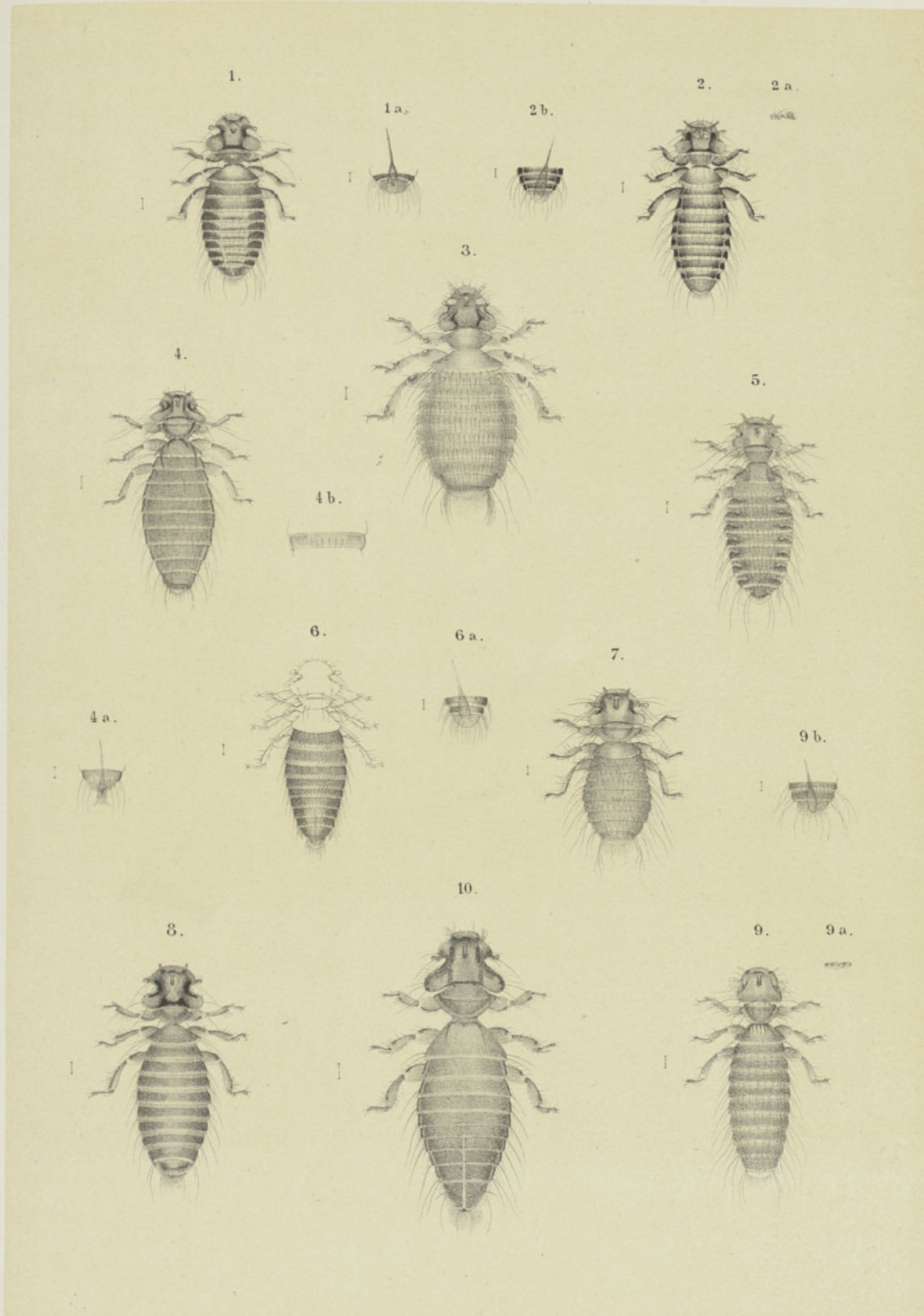
P.W.M. Trap impr.

A.J. Wendel lith.

## PLANCHE XLIV.

---

- Fig. 1 *Colpocephalum semicinctum* ♀.  
" 1a derniers segments ♂.
- " 2 *C. elongatum* ♀.  
" 2a antenne grossie.  
" 2b derniers segments ♂.
- " 3 *C. hirtum* ♀.
- " 4 *C. parviceps* ♀.  
" 4a un segment grossi.  
" 4b derniers segments ♂.
- " 5 *C. albidum* ♀.
- " 6 *C. longicaudum* ♀.  
" 6a derniers segments ♂.
- " 7 *C. unicolor* ♀.
- " 8 *C. parumpilosum* ♀.
- " 9 *C. spinosum* ♀.  
" 9a antenne grossie.  
" 9b derniers segments ♂.
- " 10 *C. majus* ♀
-



E. Piaçet fec.

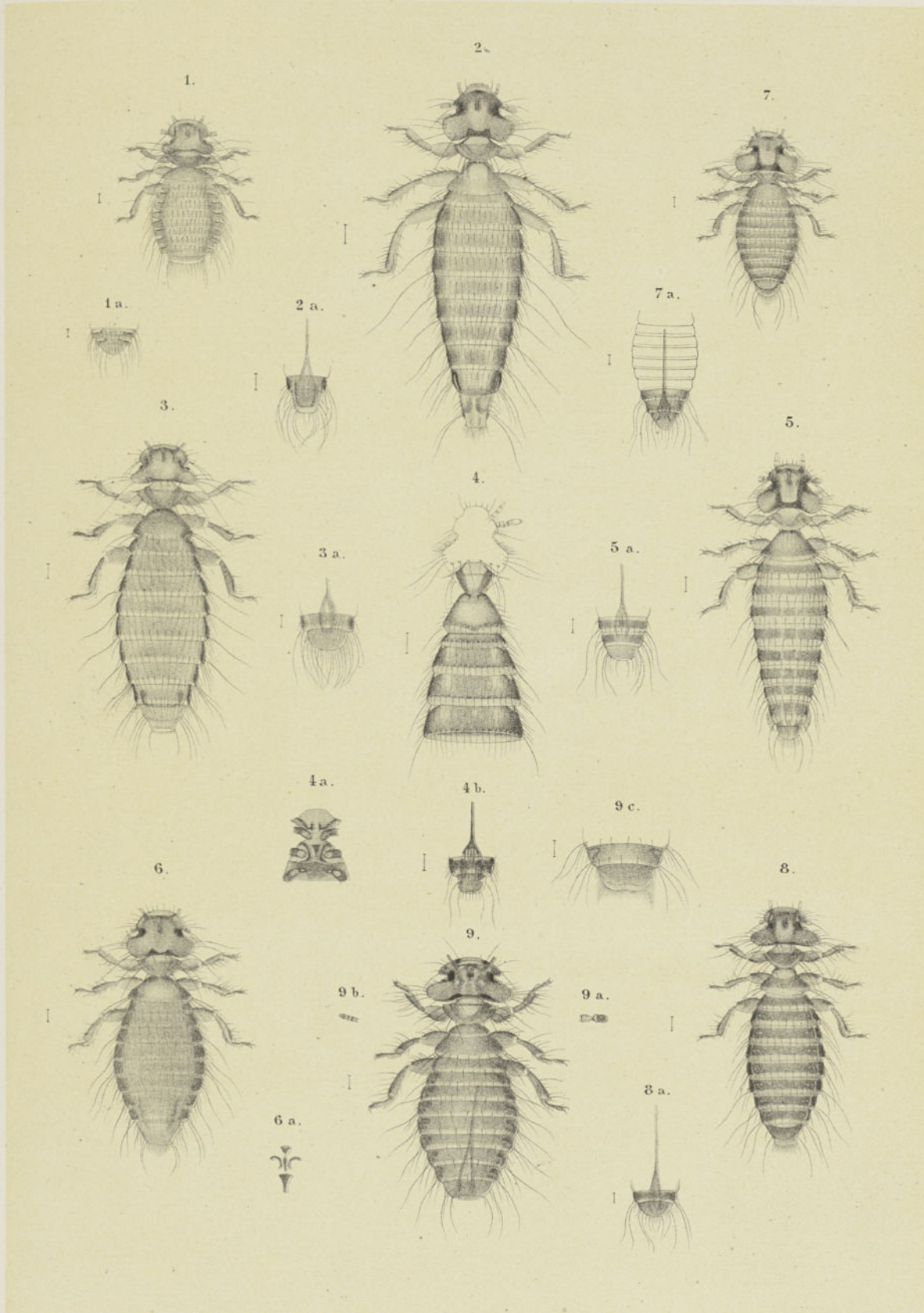
P.W.M. Trap impr.

A.J. Wendel lith.

## PLANCHE XLV.

---

- Fig. 1 Colpocephalum minus ♀.  
" 1a derniers segments ♂.
- " 2 C. truncatum ♀.  
" 2a derniers segments ♂.
- " 3 C. atrofasciatum ♀.  
" 3a derniers segments ♂.
- " 4 C. abdominale ♀.  
" 4a face sternale.  
" 4b derniers segments ♂.
- " 5 C. zebra ♀.  
" 5a derniers segments ♂.
- " 6 C. quadripustulatum ♀.  
" 6a taches sternales.
- " 7 C. occipitale ♀.  
" 7a abdomen ♂.
- " 8 C. importunum ♀.  
" 8a derniers segments ♂.
- " 9 C. trochioxum ♂.  
" 9a antenne grossie.  
" 9b palpe grossie.  
" 9c derniers segments ♀.
-



E. Piaget fec.

P.W.M. Trap impr.

A. J. Wendel lith.

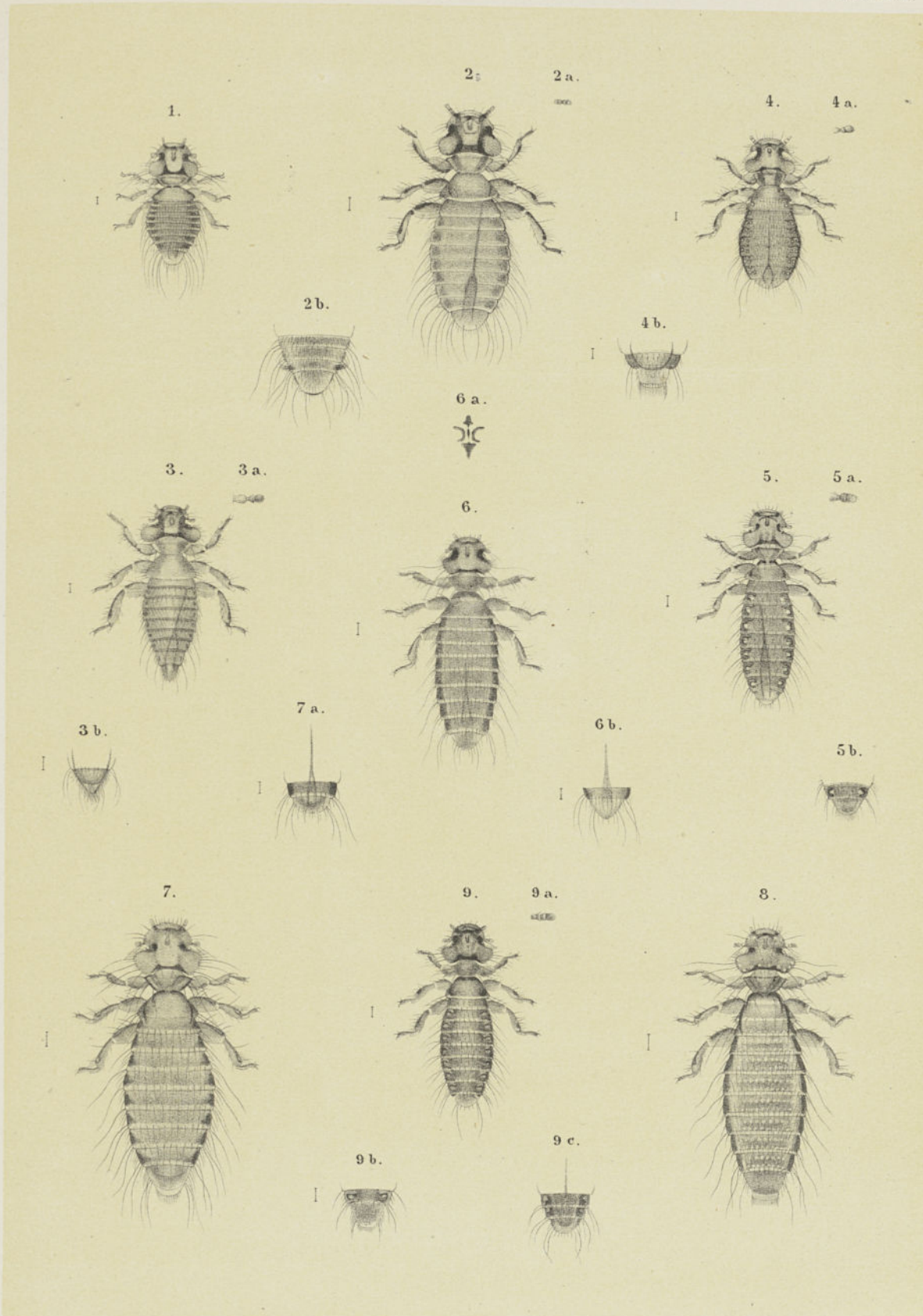
## PLANCHE XLVI.

---

Fig. 1 *Colpocephalum obscurum* ♂.

- „ 2 *C. penicillatum* ♂.  
„ 2a antenne.  
„ 2b derniers segments ♀.
- „ 3 *C. leptopygos* ♂.  
„ 3a antenne.  
„ 3b derniers segments ♀.
- „ 4 *C. fusconigrum* ♂.  
„ 4a antenne.  
„ 4b derniers segments ♀.
- „ 5 *C. gracile* ♂.  
„ 5a antenne.  
„ 5b derniers segments ♀.
- „ 6 *C. umbrinum* ♂.  
„ 6a taches sternales.  
„ 6b derniers segments ♂.
- „ 7 *C. grandiceps* ♀.  
„ 7a derniers segments ♂.
- „ 8 *C. pustulosum* ♀.
- „ 9 *C. ochraceum* ♂.  
„ 9a antenne.  
„ 9b derniers segments ♀.  
„ 9c „ „ ♂.
-





E. Piaget fec.

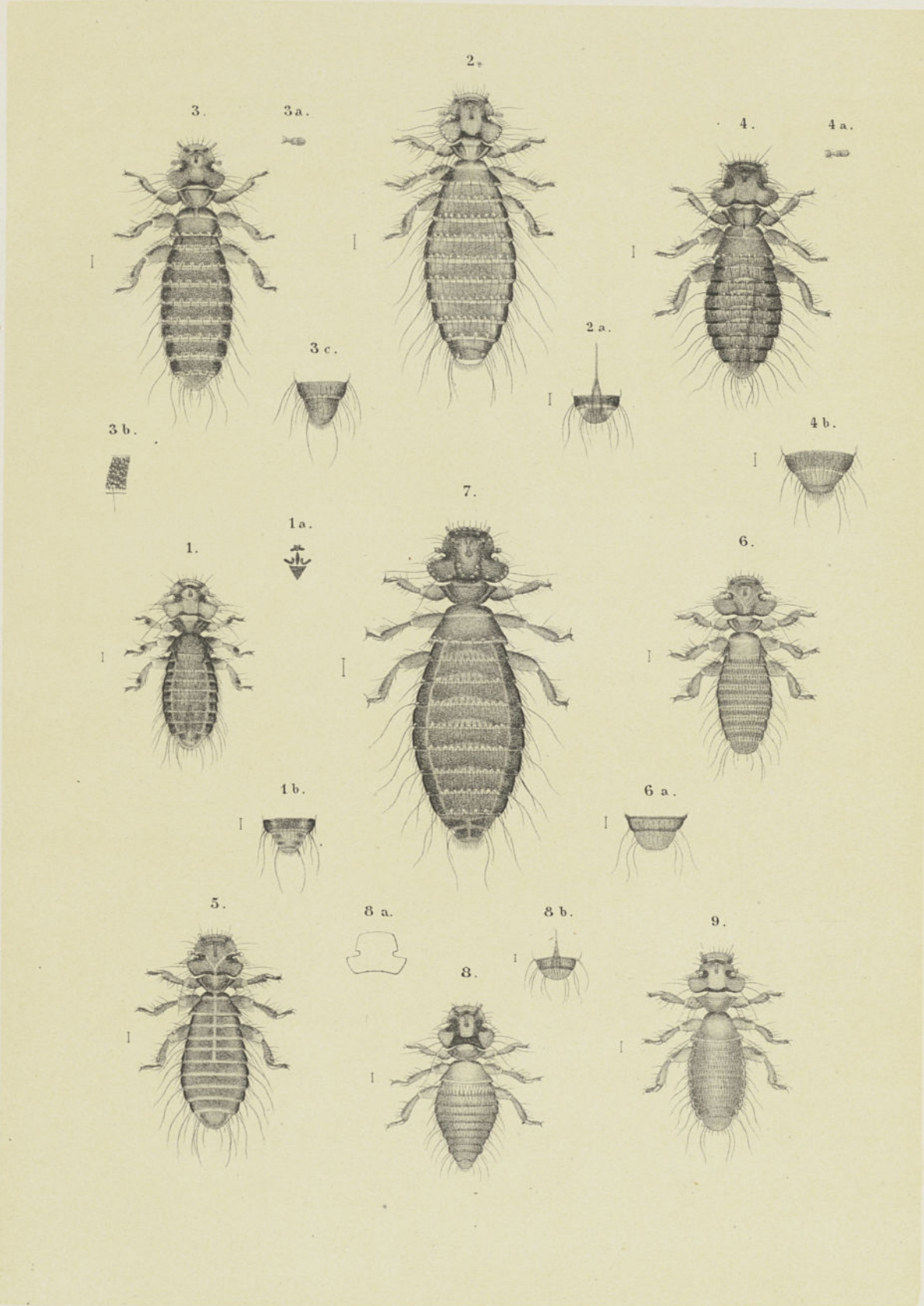
P. W.M. Trap impr.

A.J. Wendel lith.

## PLANCHE XLVII.

---

- Fig. 1 *Colpocephalum bicolor* ♂.  
" 1a taches sternales.  
" 1b derniers segments ♀.
- " 2 *C. uniseriatum* ♀.  
" 2a derniers segments ♂.
- " 3 *C. spinulosum* ♂.  
" 3a antenne.  
" 3b partie d'un segment grossie.  
" 3c derniers segments ♀.
- " 4 *C. maurum* ♂.  
" 4a antenne.  
" 4b derniers segments ♀.
- " 5 *C. sulcatum* ♂.
- " 6 *C. crassipes* ♂.  
" 6a derniers segments ♀.
- " 7 *C. fuscipes* ♀.
- " 8 *C. angulaticeps* ♀.  
" 8a tête du mâle.  
" 8b derniers segments ♂.
- " 9 *C. incisum* ♂.
-



E. Piaget fec.

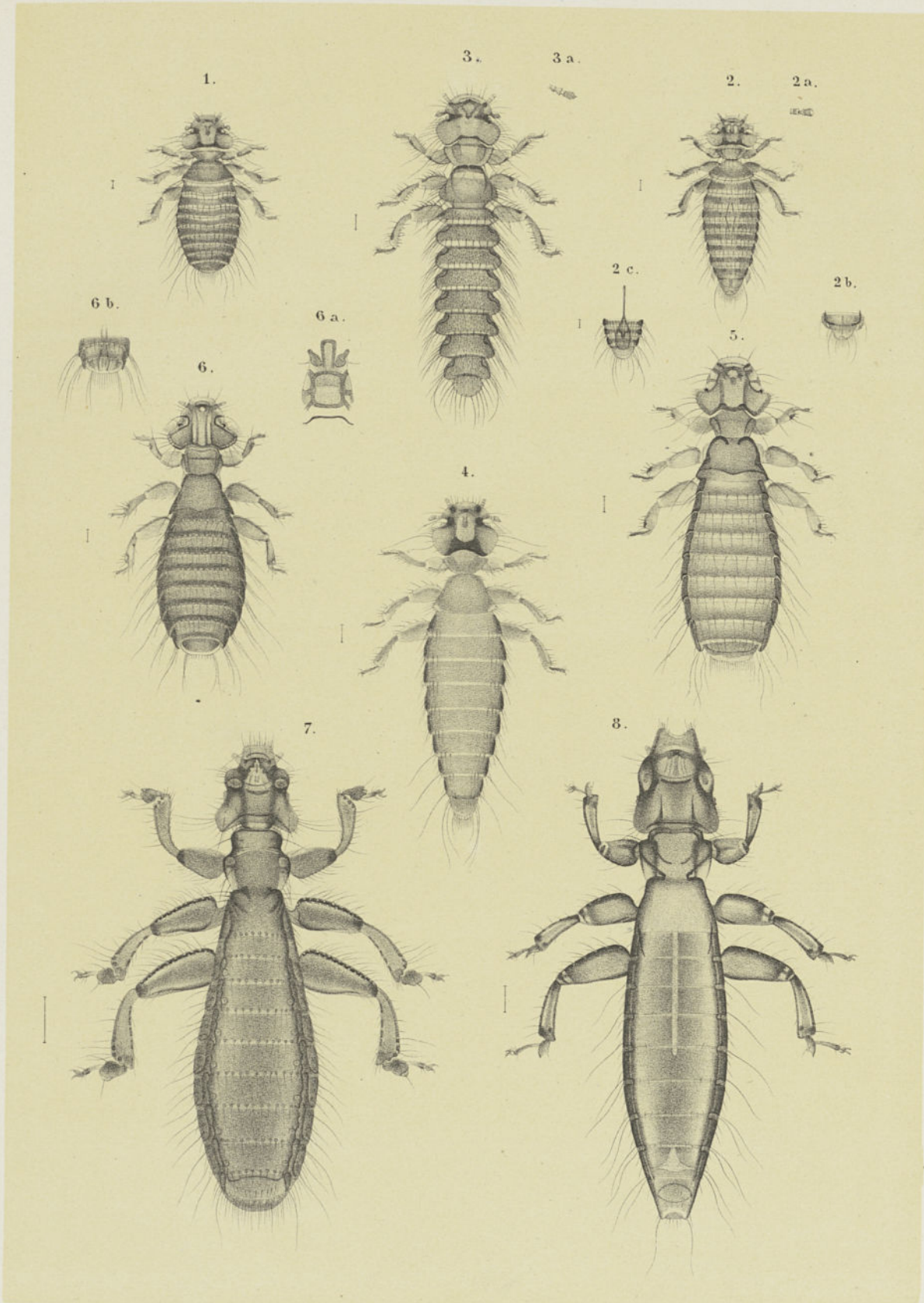
P.W.M. Trap impr.

A.J. Wendel lith.

## PLANCHE XLVIII.

---

- Fig. 1 Colpocephalum ellipticum ♀.
- „ 2 C. subflavescens ♀.  
„ 2a antenne.  
„ 2b face ventrale ♀.  
„ 2c derniers segments ♂.
- „ 3 C. heterosoma ♂.  
„ 3a antenne.
- „ 4 C. heterosoma ♀.
- „ 5 Nitzschia tibialis ♀.
- „ 6 N. pulicaris ♀.  
„ 6a taches sternales.  
„ 6b derniers segments ♂.
- „ 7 Laemobothrium laticolle ♀.
- „ 8 Lm. emarginatum ♀.
-



E. Piaget fec.

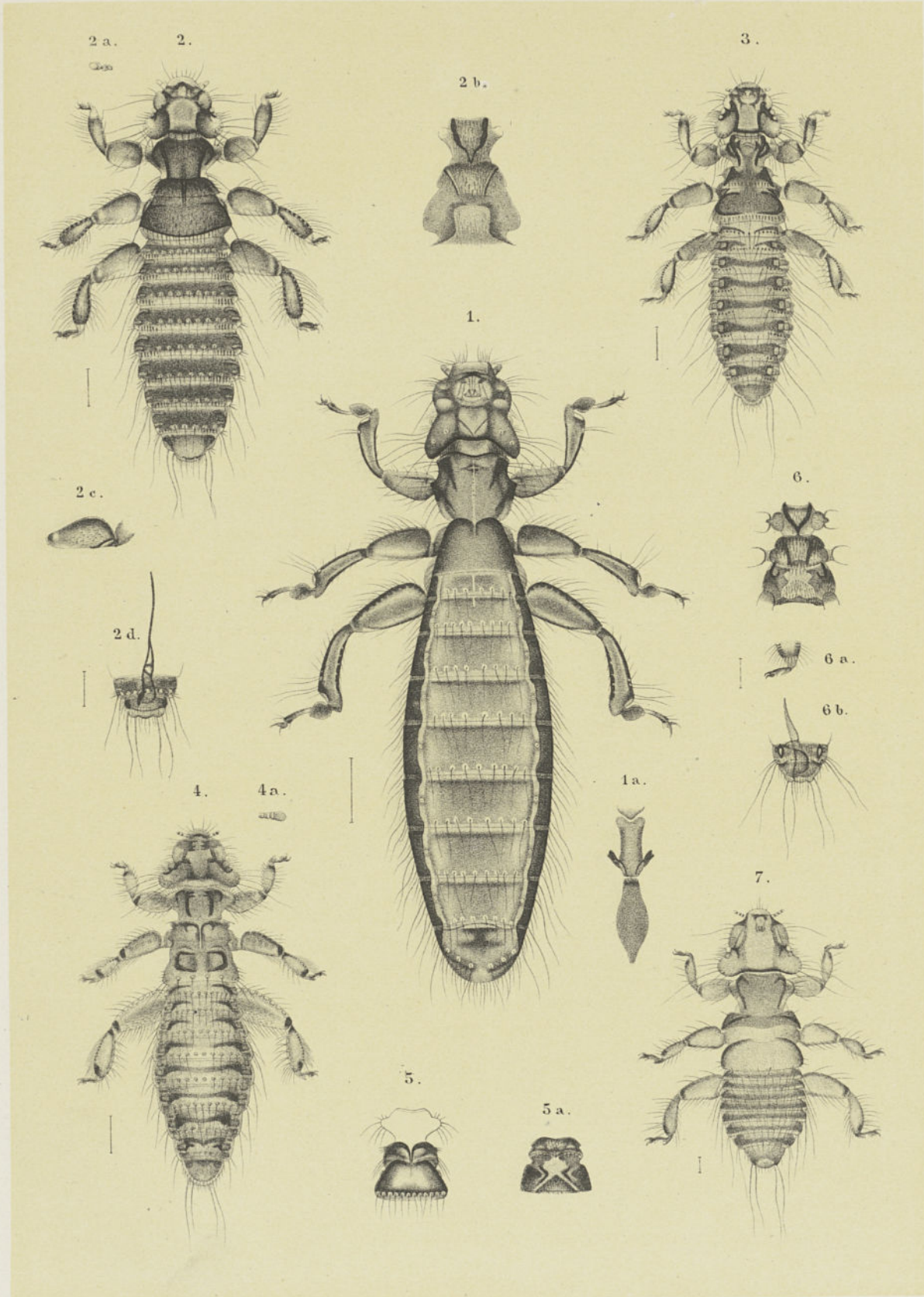
P. W. M. Trap impr.

A. J. Wendel lith.

## PLANCHE XLIX.

---

- Fig. 1 *Laemobothrium titan* ♀ (réduite).  
,, 1a taches sternales.
- ,, 2 *Trinoton conspurcatus* ♀.  
,, 2a antenne.  
,, 2b face sternale.  
,, 2c fémur, face inférieure.  
,, 2d derniers segments ♂.
- ,, 3 *Tt. luridum* ♀.
- ,, 4 *Tt. femoratum* ♀.  
,, 4a antenne grossie.
- ,, 5 *Tt. intermedium* ♀, thorax.  
,, 5a face sternale.
- ,, 6 *Tt. spinosum* ♀, face sternale.  
,, 6a extrémité du tibia et tarses.  
,, 6b derniers segments ♂.
- ,, 7 *Tt. lituratum* ♀.
-



E. Piaget fec.

P. W.M., Trap impr.

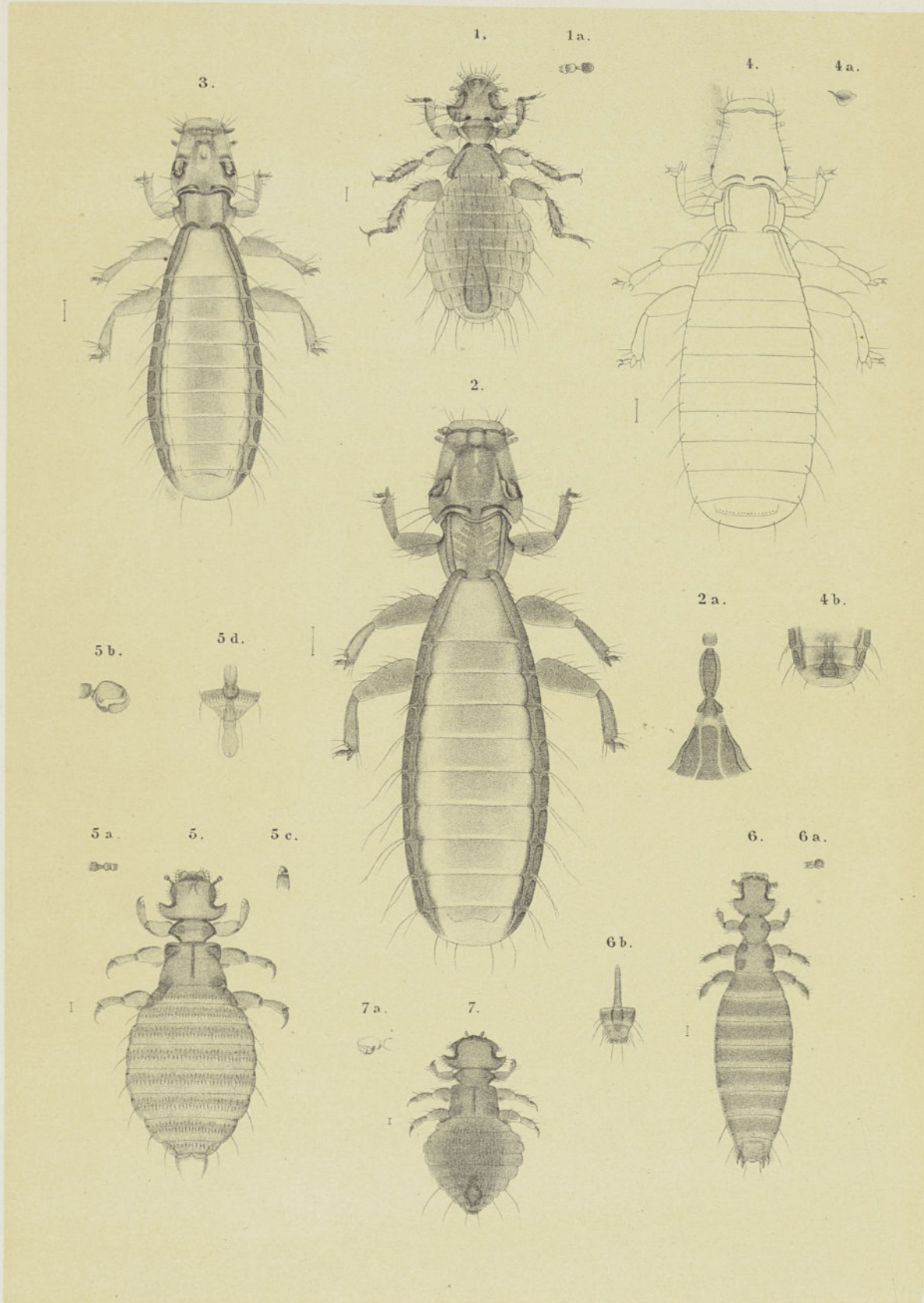
A. J. Wendel lith.

## PLANCHE L.

---

- Fig. 1 *Boopia longitarsata* ♂.  
" 1a antenne.
- " 2 *Physostomum mystax* ♀.  
" 2a taches sternales.
- " 3 *Ph. agonum* ♀.
- " 4 *Ph. intermedium* ♀.  
" 4a bande dorsale de la palette.  
" 4b derniers segments ♂.
- " 5 *Gyropus ovalis* ♀.  
" 5a antenne.  
" 5b 3<sup>e</sup> paire de pattes repliée.  
" 5c 1<sup>ère</sup> paire, extrémité grossie.  
" 5d derniers segments ♂.
- " 6 *G. gracilis* ♀.  
" 6a antenne.  
" 6b derniers segments ♂.
- " 7 *G. turbinatus* ♂.  
" 7a 3<sup>e</sup> paire de pattes repliée.
-





E. Piaget fec.

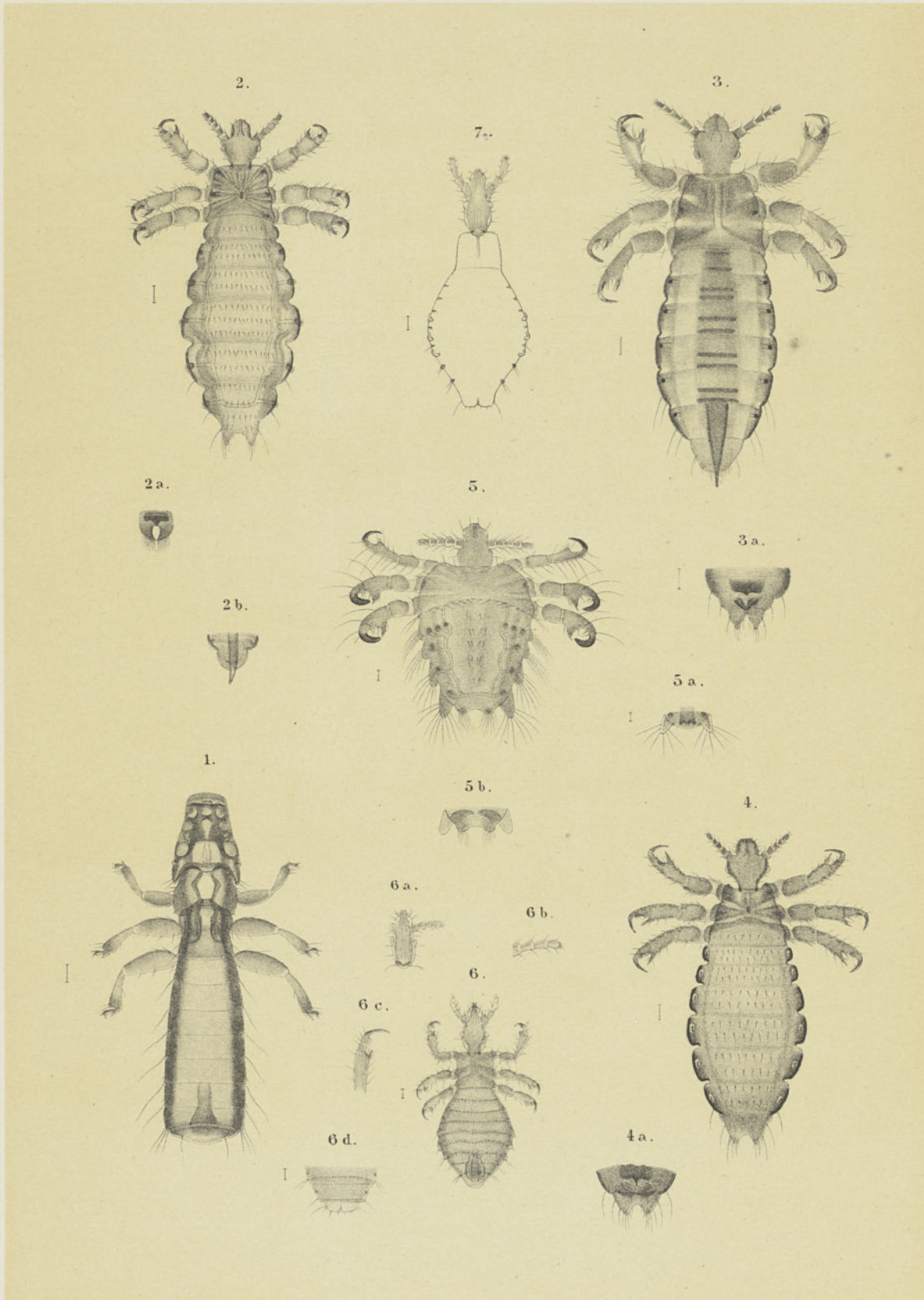
P. W. M. Trap impr.

A. J. Wendel sculps.

## PLANCHE LI.

---

- Fig. 1 *Physostomum thoracicum* ♂.
- „ 2 *Pediculus capitis* ♀.  
„ 2a derniers segments ♀, face ventrale.  
„ 2b „ „ ♂.
- „ 3 *P. vestimenti* ♂.  
„ 3a derniers segments ♀, face ventrale.
- „ 4 *P. consobrinus* ♀.  
„ 4a derniers segments ♀, face ventrale.
- „ 5 *Phthirus inguinalis* ♀.  
„ 5a derniers segments ♂.  
„ 5b „ „ ♀, face ventrale.
- „ 6 *Pedicinus eurygaster* ♂.  
„ 6a tête ♀.  
„ 6b antenne ♀ grossie.  
„ 6c 1<sup>ère</sup> paire de pattes grossie.  
„ 6d derniers segments ♀.
- „ 7 *Pedicinus longiceps* ♀.
-



E. Piaget fec.

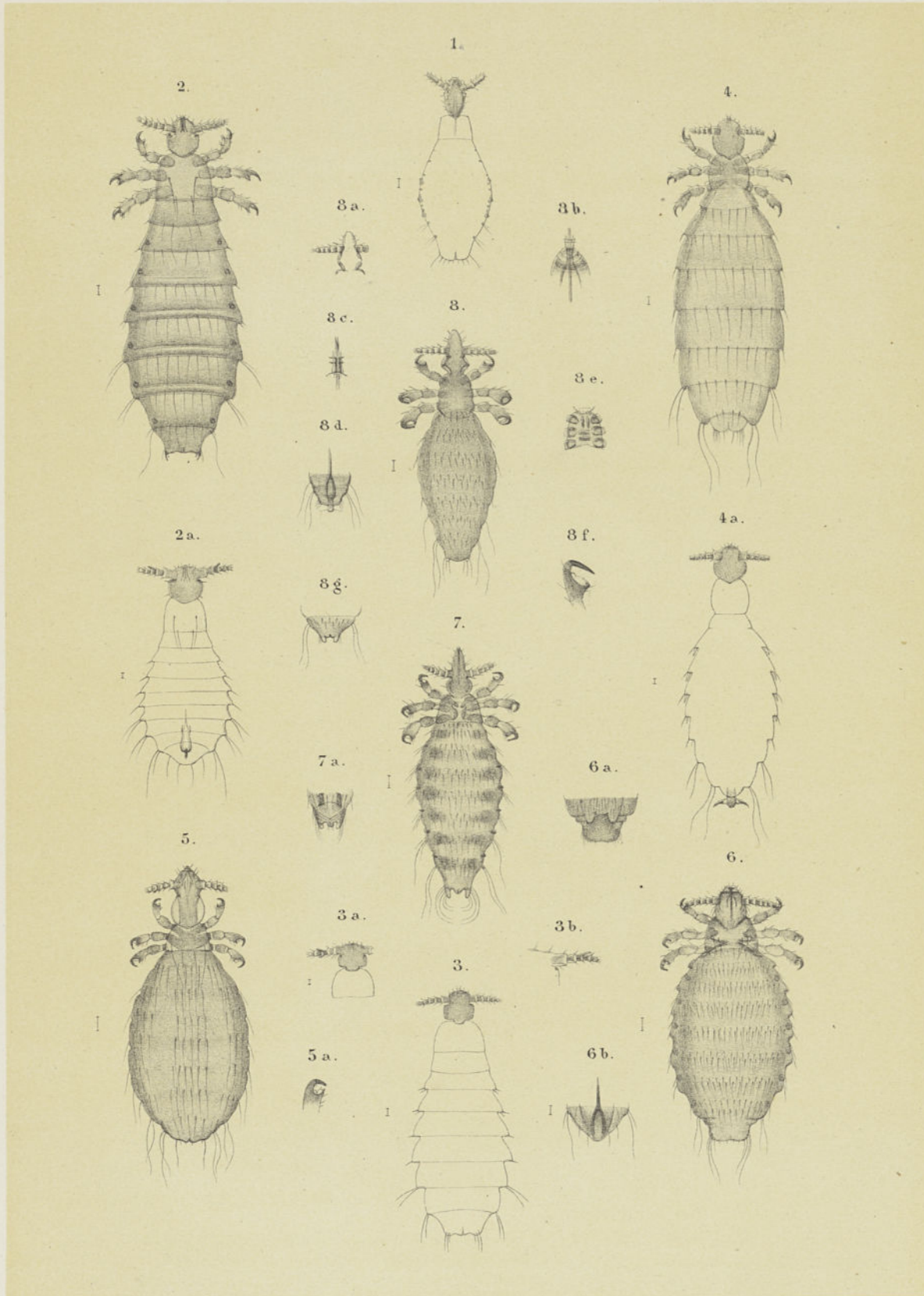
P.W.M., Trap impr.

A.J. Wendel lith.

## PLANCHE LII.

---

- Fig. 1 *Pedicinus breviceps* ♀.
- „ 2 *Haematopinus spinulosus* ♀ *grossi* du double.  
„ 2a „ „ ♂ „
- „ 3 *H. spiniger* ♀ *grossi* du double.  
„ 3a tête ♂ „  
„ 3b antenne ♂ *grossi*.
- „ 4 *H. acanthopus* ♀ *grossi* du double.  
„ „ „ ♂ „
- „ 5 *H. lyriocephalus* ♀.  
„ 5a extrémité du tibia et tarse.
- „ 6 *H. piliferus* ♀.  
„ 6a derniers segments ♀, face ventrale.  
„ 6b „ „ ♂.
- „ 7 *H. brevicornis* ♀.  
„ 7a derniers segments, face ventrale.
- „ 8 *H. tibialis* ♀.  
„ 8a tête ♂.  
„ 8b avant-tête *grossi*.  
„ 8c suçoir *grossi*.  
„ 8d derniers segments ♂.  
„ 8e face sternale var.  
„ 8f tarse var.  
„ 8g derniers segments var.
-



E. Plaget fec.

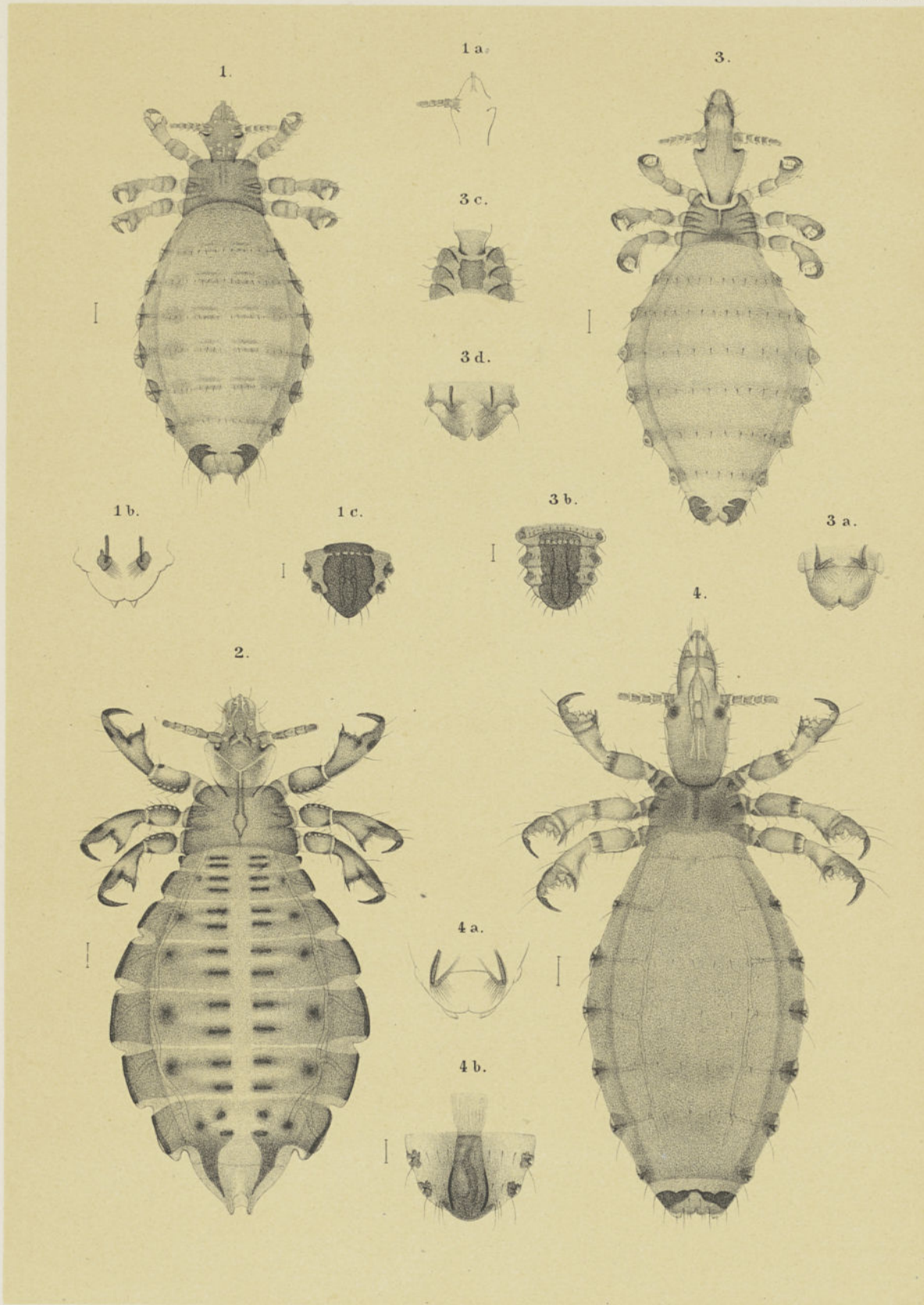
P.W.M. Trap impr.

A.J. Wendel lith.

## PLANCHE LIII.

---

- Fig. 1 *Haematopinus eurystomus* ♀.  
" 1a tête ♂.  
" 1b derniers segments ♀, face ventrale.  
" 3c " " ♂ " "  
" 2 *H. tuberculatus* ♀.  
" 3 *H. macrocephalus* ♀.  
" 3a derniers segments ♀, face ventrale.  
" 3b " " ♂ " "  
" 3c face sternale var.  
" 3d derniers segments ♀, face ventrale var.  
" 4 *H. urius* ♀.  
" 4a derniers segments ♀, face ventrale.  
" 4b " " ♂ " "
-



E. Piaget fec.

P.W.M. Trap impr.

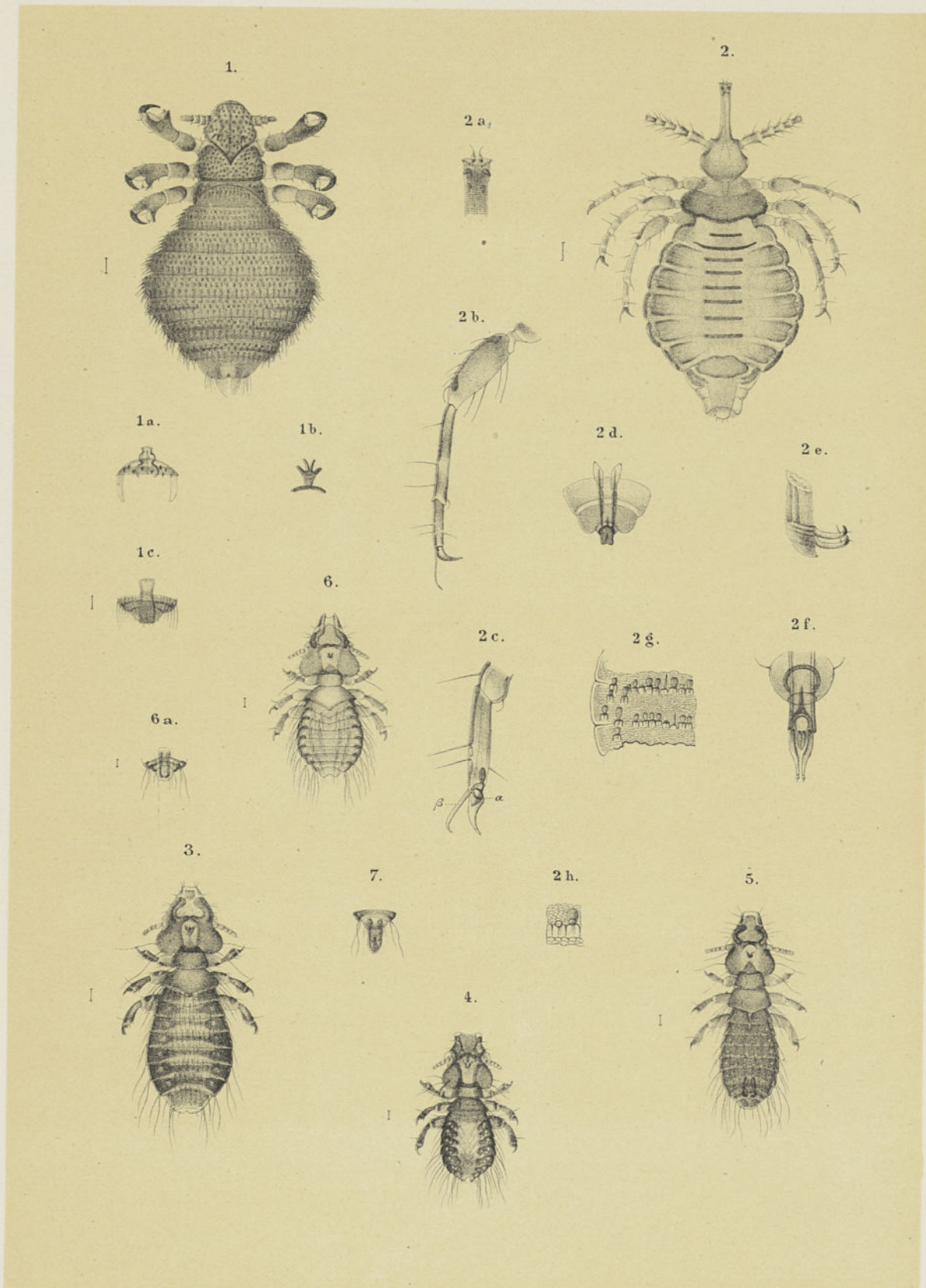
A.J. Wendel lith.

## PLANCHE LIV.

---

- Fig. 1 *Echinophthirius setosus* ♀.  
" 1a avant-tête et suçoir grossis.  
" 1b taches sternales.  
" 1c derniers segments ♂.
- " 2 *Haematomyzus proboscideus* ♀.  
" 2a extrémité du proboscis.  
" 2b 3<sup>e</sup> paire de patte grossie.  
" 2c tibia, tarse et ongles grossis.  
" 2d derniers segments ♂.  
" 2e appareil génital vu de côté.  
" 2f " " vu d'en dessus.  
" 2g mamelons de la face ventrale grossis.  
" 2h un mamelon grossi.
- " 3 *Docophorus maculipes* ♀.
- " 4 *D. trabecula* ♀.
- " 5 *D. annulatus* ♀.
- " 6 *D. longiceps* ♀.  
" 6a derniers segments ♂.
- " 7 *D. cordiceps*, derniers segments ♂.
-





E. Haquet fec.

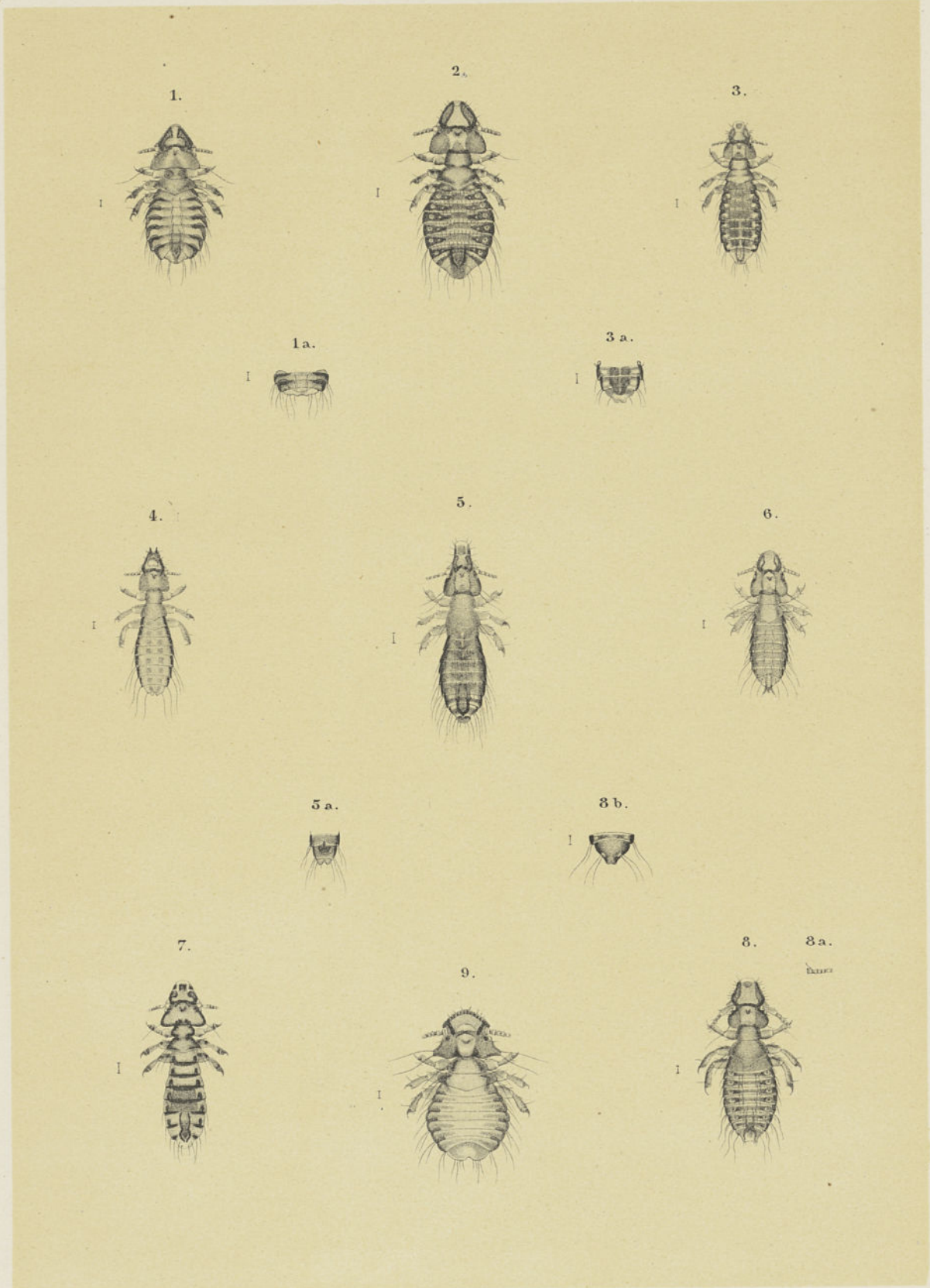
P. W. M. Trap impr.

A. J. Wendel lith.

## PLANCHE LV.

---

- Fig. 1 *Nirmus goniodes* ♂.  
" 1a derniers segments ♀.
- " 2 *N. biocellatus* ♂.
- " 3 *N. sexmaculatus* ♂.  
" 3a derniers segments ♀.
- " 4 *N. seta* ♀.
- " 5 *N. quadrisetaceus* ♂.  
derniers segments ♀.
- " 6 *N. parvulus* ♂.
- " 7 *N. eugrammicus* ♂.
- " 8 *Oncophorus unguiculatus* ♂.  
" 8a antenne ♀.  
" 8b derniers segments ♀.
- " 9 *Goniocotes latus*.
-



E. Piaget fec.

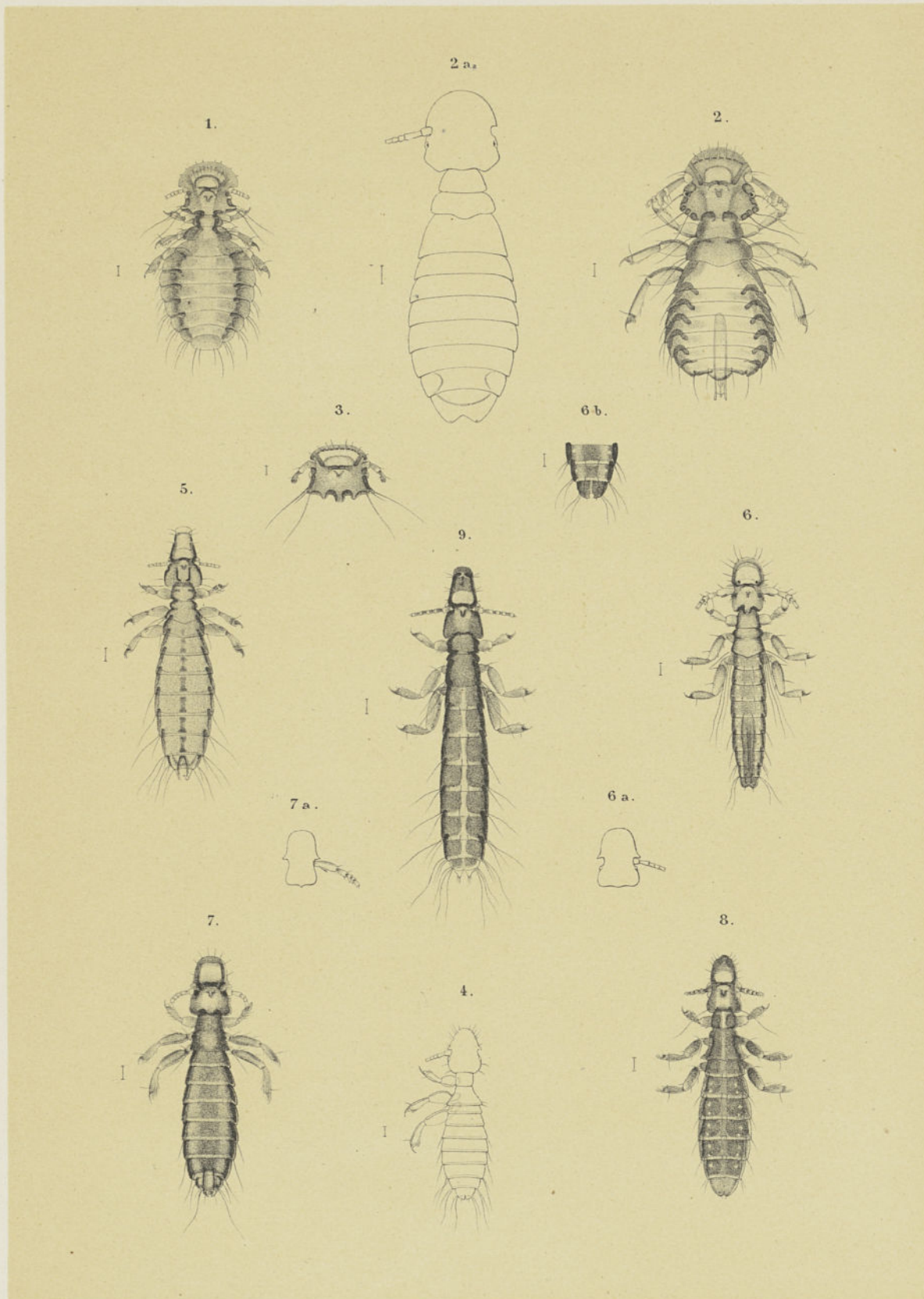
P. W. M. Trap impr.

A. J. Wendel lith.

## PLANCHE LVI.

---

- Fig. 1 *Goniocotes menadensis* ♀.  
„ 2 *Goniodes laevis* ♂.  
„ 2a „ „ ♀.  
„ 3 *G. fasciatum* ♂, tête.  
„ 4 *Lipeurus femoratus* ♀.  
„ 5 *L. platyclypeatus* ♀.  
„ 6 *L. uncinatus* ♂.  
„ 6a tête ♀.  
„ 6b derniers segments ♀.  
„ 7 *L. parumsetosus* ♀.  
„ 7a tête et antenne ♂.  
„ 8 *L. megalops* ♀.  
„ 9 *L. exilicornis* ♀.
-



E. Piaçet fec.

P. W. M. Trap impr.

A. J. Wendel lith.