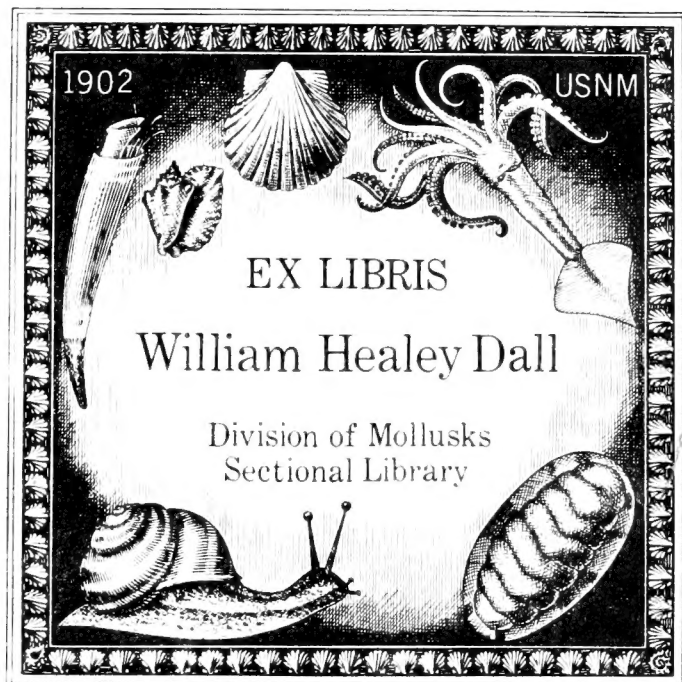
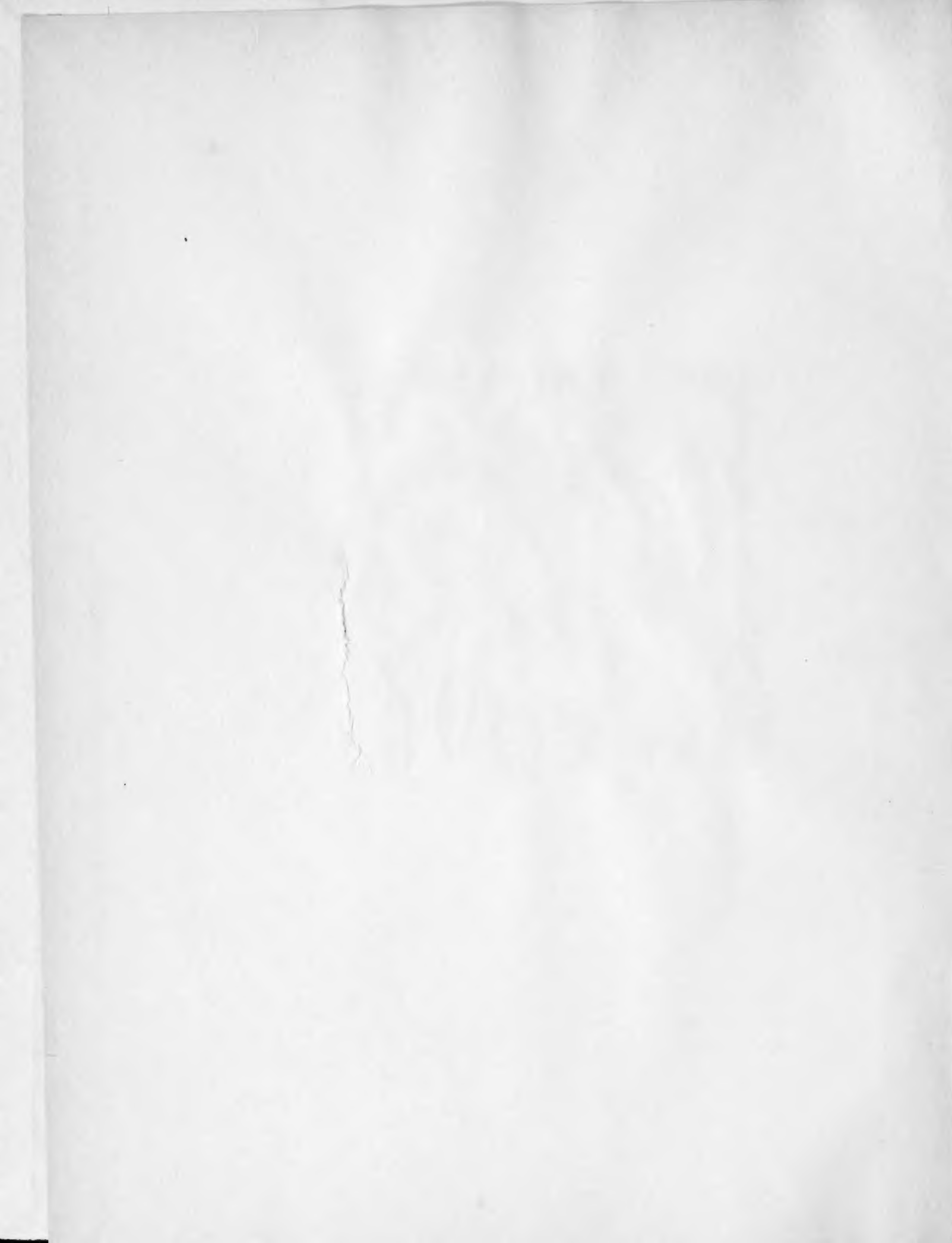


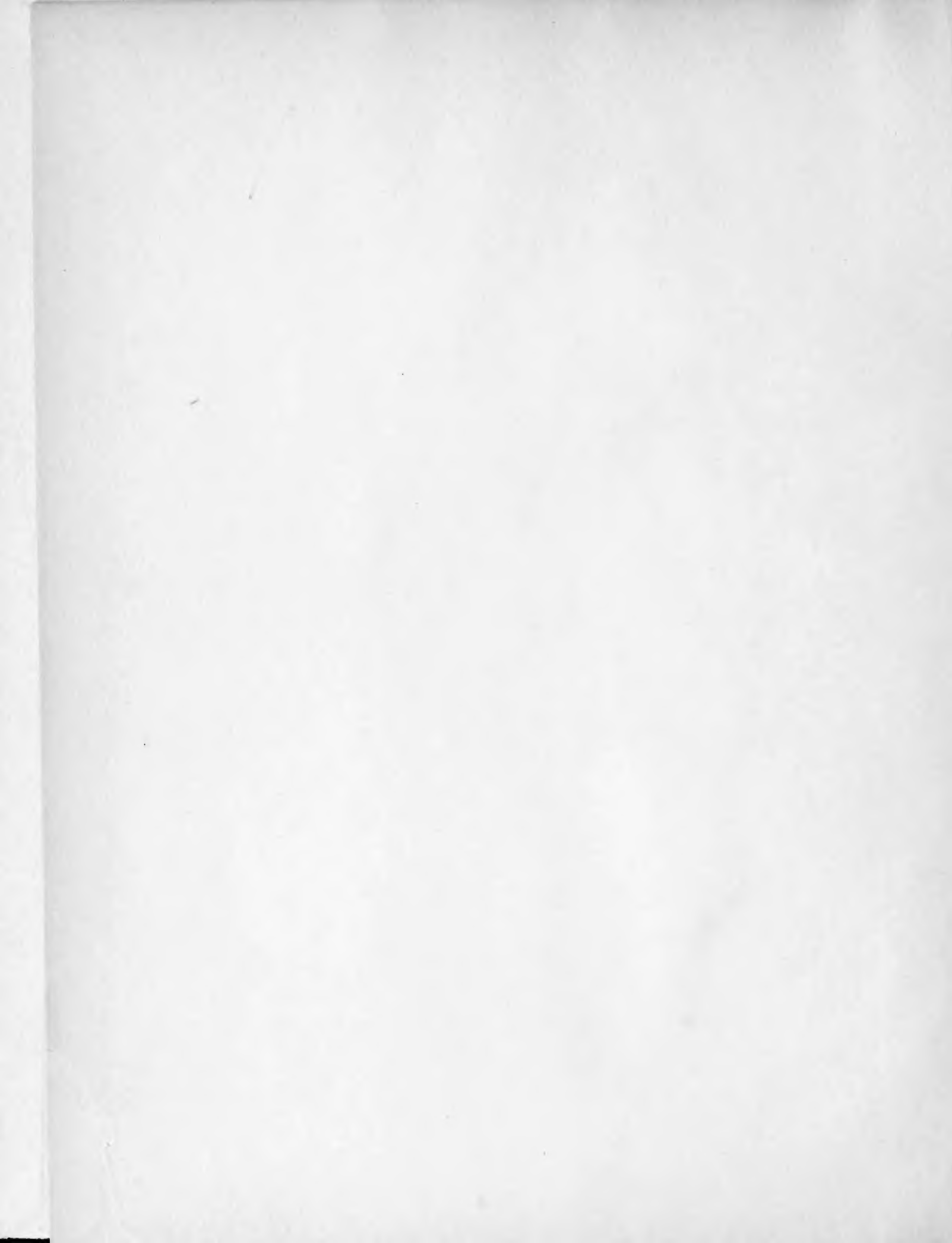


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MALAY PENINSULA, CEYLON, AND OTHER
ISLANDS OF THE INDIAN OCEAN.

SUPPLEMENTARY TO MESSRS. THEOBALD AND HANLEY'S

CONCHOLOGIA INDICA.

BY

LIEUT.-COLONEL H. H. GODWIN-AUSTEN, F.R.S., F.R.G.S., F.Z.S., &c.,

LATE DEPUTY SUPERINTENDENT TOPOGRAPHICAL SURVEY OF INDIA, IN CHARGE
OF THE KHASI, GARO, AND NAGA-HILLS SURVEY PARTY.

PLATES TO VOLUME II.



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 — *phulongensis*, Fig. 4, Pl. X., Part II., 34; Part VIII., 48.
 — *rimicola*, Figs. 4-4 c, Pl. IX., Part II., 37; Part VIII., 48.
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THYSANOTA, 189.

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[Part VII.—*October* 1897.]

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2, 2 *a*. — RUBINUS, G.-A., × 4. Upper Burmah.
3, 3 *a*. — DOHERTYI, G.-A., × 7. Upper Burmah.
4, 4 *a*. — SUBCULMEN, G.-A., × 7. Naga Hills.
5, 5 *a*. — BIRUGOSUS, G.-A., × 7. Khasi and Manipur Hills.
6. — GRANUM, G.-A., × 7. Eastern Naga Hills.
7, 7 *a*, 7 *b*. — OCHRACEUS, G.-A., × 7. Upper Burmah.

1 x 4.



1a.



1b



2 x 4



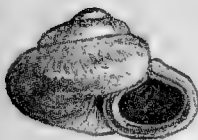
2a



3 x 7



4 x 7



5 x 7.



3 a.



4 a.



5 a.



6 x 7



7 x 7



7a



7b.



PLATE LXIV.

[Part VII.—*October* 1897.]

Fig. 1.	DIPLOMMATINA DECOROSA, G.-A., × 7.	Anghami Naga Hills.
2.	— AMBIGUA, G.-A., × 7.	Munipur Hills.
3, 3 a.	— GAROENSIS, G.-A., × 7.	Garo Hills.
4.	— COMMUTATA, G.-A., × 7.	Lahupa Naga Hills.
5.	— TUMIDA, G.-A., × 7. ?Typical.	N. Cachar Hills.
6.	— ELONGATA, G.-A., × 7. Type.	Naga Hills.
7.	— TUMIDA, G.-A., var., × 7.	Munipur.
8, 8 a, 8 b.	— CHENNELLI, G.-A., × 7.	Lhota Naga Hills.
9.	— BUTLERI, G.-A., × 7.	Munipur Hills.

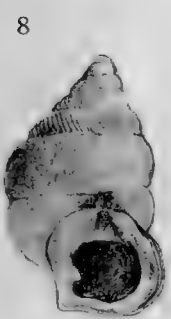
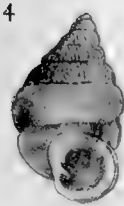


PLATE LXV.

[Part VII.—*October* 1897.]

Fig. 1, 1 <i>a</i> .	DIPLOMMATINA DOHERTYI, G.-A.	Margarita, Eastern Assam.
2, 2 <i>a</i> .	—— THOMSONI, G.-A.	South Burreil Range.
3, 3 <i>a</i> .	—— NENGLOENSIS, G.-A.	North Cachar Hills.
4, 4 <i>a</i> , 4 <i>b</i> .	—— DISTINCTA, G.-A.	North of Burreil Range.
5.	—— KHUNHOENSIS, G.-A.	Khunho Peak, Naga Hills.
6, 6 <i>a</i> .	—— LAPILLUS, G.-A.	Lahupa Naga Hills.
7, 7 <i>a</i> .	—— COMPACTA, G.-A.	Munipur Hills.
7 <i>b</i> .	—— COMPACTA, G.-A.	Asalu, North Cachar Hills.
8, 8 <i>a</i> .	—— JATINGANA, G.-A.	North Cachar Hills.

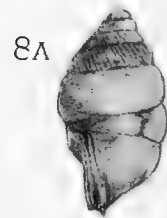
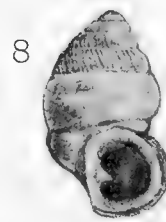
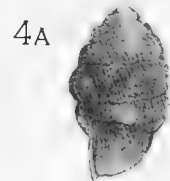
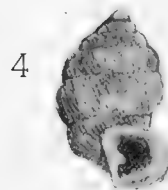
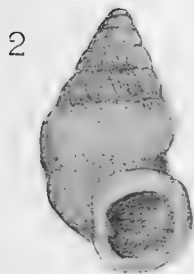
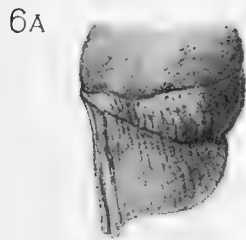
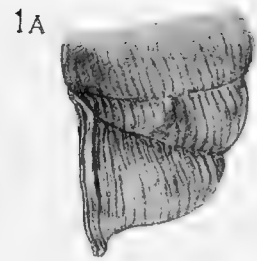
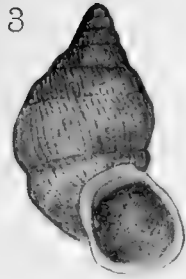




PLATE LXVI.

[Part VII.—*October 1897.*]

- | | | |
|-------------|--------------------------------------|------------------------------------|
| Fig. 1. | DIPLOMMATINA UNICRENATA, G.-A., × 7. | Eastern Naga Hills. |
| 2. | — ANIMULA, G.-A., × 12. | Lahupa Naga Hills. |
| 3, 3 a. | — SUBRUBELLA, G.-A., × 7. | Japvo Peak, Naga Hills. |
| 4. | — SUBTILIS, G.-A., × 12. | Margarita, Assam. |
| 4 a. | — —, × 7. | |
| 5. | — DELICATA, G.-A., × 12. | Eastern Naga Hills. |
| 6. | — MUNIPURENSIS, G.-A., × 12. | North Manipur Hills. |
| 7. | — VENUSTULA, G.-A., × 7. | Japvo Peak. |
| 7 a. | — —, × 12; side view. | |
| 8. | — DOMUNCULA, G.-A., × 7. | Margarita, Assam. |
| 9. | — SUCCINEA, G.-A., × 12. | Anghami Naga Hills. |
| 10. | — CONCINNA, G.-A., × 12. | Naga Hills. |
| 11, 11 a. | — JAPVOENSIS, G.-A., × 7. | Japvo Peak, Anghami Naga
Hills. |
| 12, 12 a. | — GIBBEROSA, G.-A., × 12. | North Manipur Hills. |
| 12 b, 12 c. | — —, × 7. | |

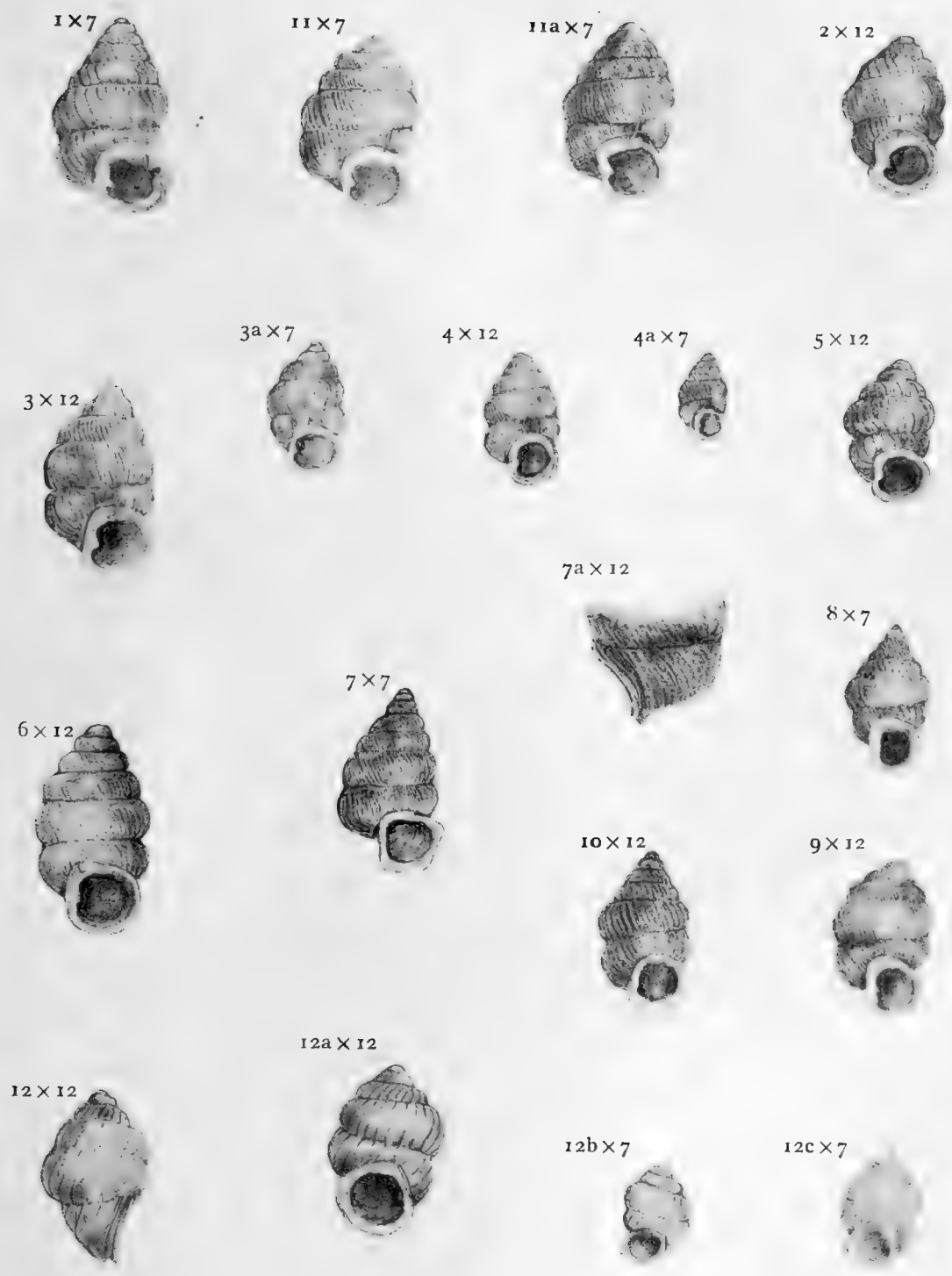


PLATE LXVII.

[Part VII.—October 1897.]

Fig. 1. OTOPOMA NATICOIDES, Récluz, ♀, × 1·2. Socotra.

1 a. ——— : removed from shell, right side.

1 b. ——— : viewed from front, showing divided foot, × 2·6.

2 ——— : branchial chamber with side removed, showing position of the male organ and rectum, × 1·4.

2 a. ——— : the same parts further enlarged, showing the anal aperture, × 4·5.

2 b. ——— : the lower side of male organ, showing the sperm-opening.

3. ———, ♀ : showing the anal aperture and position of female orifice (*f.or.*).

4. ——— : part of radula, × 58.

4 a. ——— : first tooth on right side, × 163.

4 b. ——— : second and third tooth on right side, × 163.

5. ——— : buccal mass viewed from left side, × 4·5.

5 a. ——— : buccal mass viewed from below, showing the salivary glands.

6. ——— CLATHRATULUM, Récluz, var. MINOR, G.-A., × 4·5. Socotra.

Animal from spirit-specimen, right side view, showing the position of the penis.

P., penis; *An.*, anus; *o.*, operculum; *An.or.*, anal orifice; *f.or.*, female orifice; *t.*, tentacula; *P.ap.*, penis aperture; *r.m.*, retractor muscle; *sal.gld.*, salivary gland.

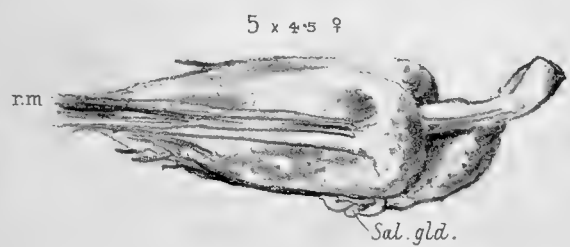
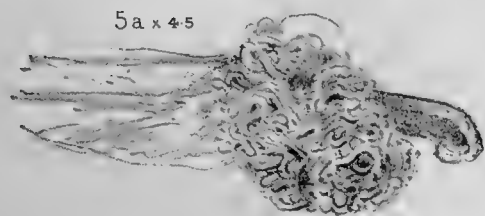
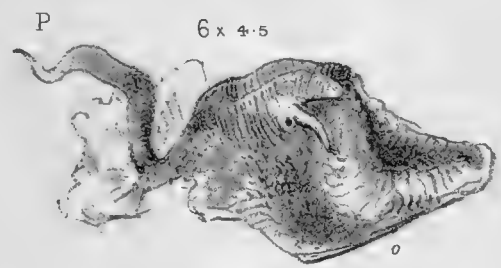
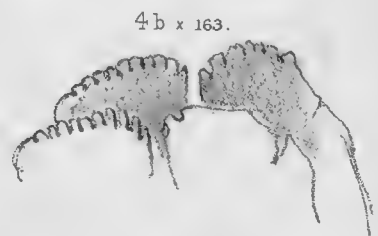
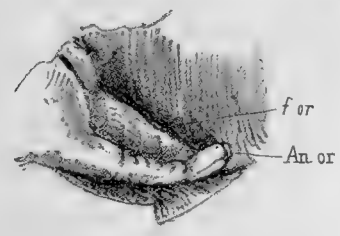
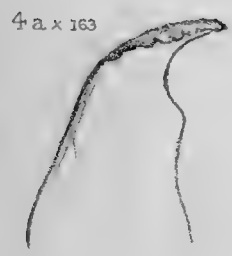
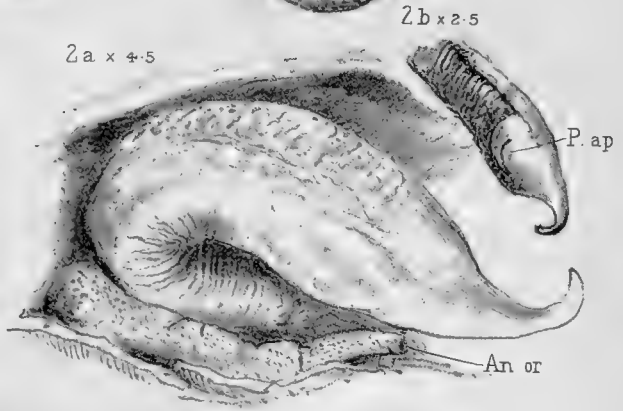


PLATE LXVIII.

[Part VII.—*October* 1897.]

CYCLOPHORUS (NATALIA) WAHLBERGI, Benson. Natal.

- Fig. 1. Animal viewed from right side, ♂, × 4.
1 *a.* Ditto, view from front and above, showing position of the male organ and anal orifice, × 4.
1 *b.* Ditto, front view of head, showing form of mouth, × 4.
1 *c.* Ditto, scar of the operculum, × 4.
1 *d.* Ditto, free end of the male organ, as seen on slide with transmitted light, × 12·4.
2. Operculum, exterior side, × 2·5.
2 *a.* Ditto, side view, posterior side to right hand, × 2·5.
3. Buccal plates, × 8. *p.*, posterior side; *a.r.*, anterior right side.
3 *a.* Buccal portion showing the platelets, × 275.
3 *b.* Buccal portion near the central edge, where the rows of platelets are given off, × 275.
4. Radula, × 163.
4 *a.* Ditto, × 163.

CYCLOPHORUS (CYCLOHELIX) CROCATUS, Born. Andaman Islands.

5. Animal, right side, showing position of the penis, × 4.
5 *a.* Ditto, from left side, × 4.
5 *b.* The scar of the removed operculum, × 4.
6. Operculum, exterior side, × 2·5.
6 *a.* Ditto, side view, inner side to right, × 4.
7. Buccal mass and salivary glands, × 4.
8. Radula, × 58.
- o.*, operculum; *P.*, male organ; *An.ap.*, anal aperture; *t.*, tentacula; *l.t.*, left tentaculum;
b.P., base of male organ; *r.m.*, retractor muscle; *sal.gld.*, salivary gland.

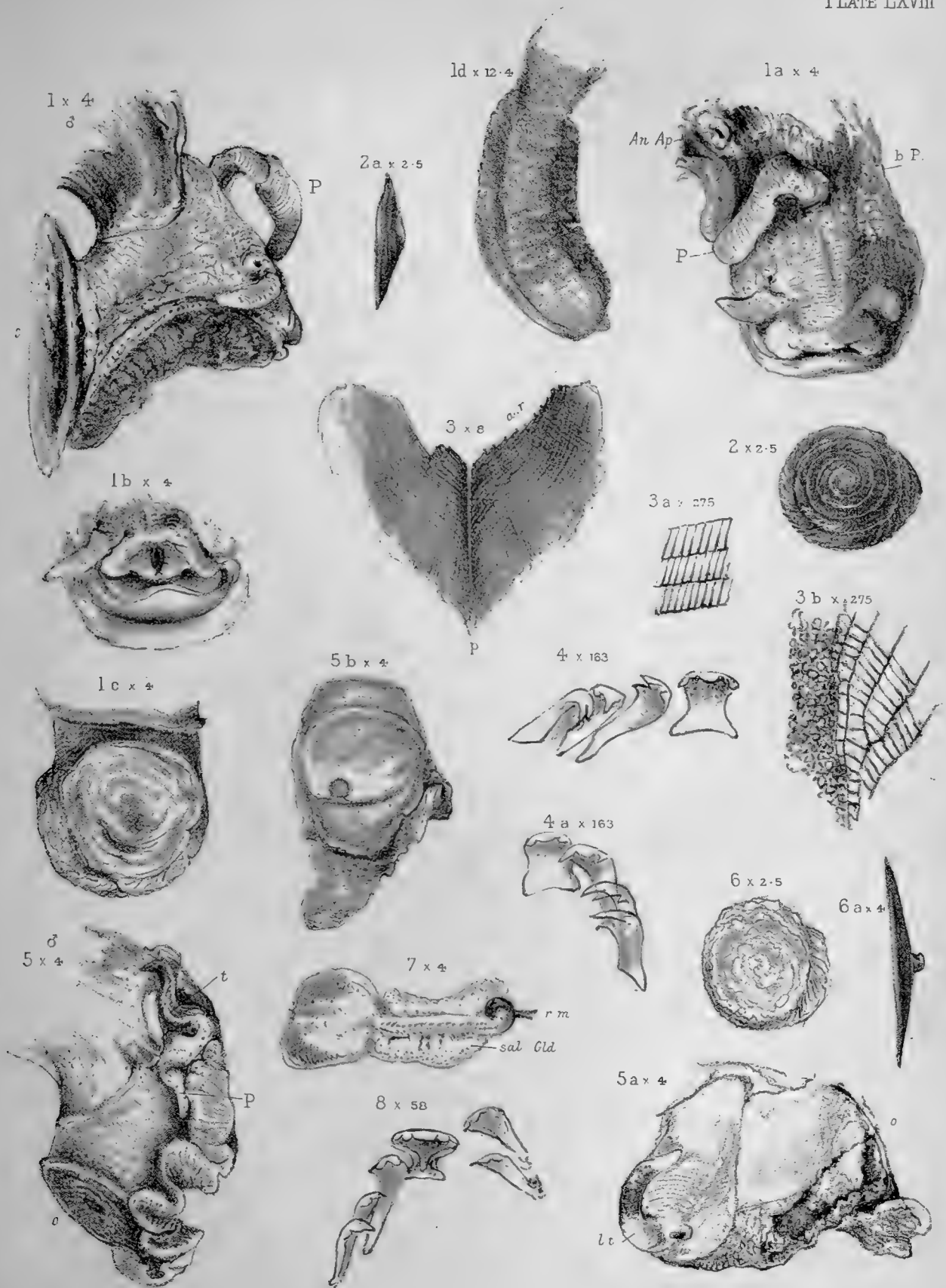




PLATE LXIX.

[Part VII.—*October 1897.*]

Fig. 1, 1 <i>a</i> .	PUPINA ARULA, Bs., from type in Benson collection, Cambridge, × 4.	Burma.
2, 2 <i>a</i> , 2 <i>b</i> .	— BLANFORDI, Theob., from supposed type in British Museum, × 8.	Burma.
3, 3 <i>a</i> , 3 <i>b</i> , 3 <i>c</i> .	— PEGUENSIS, Bs., × 4.	Kamah, Pegu.
3 <i>d</i> .	— —, operculum, × 12·4; under side, × 12·4.	
4, 4 <i>a</i> , 4 <i>b</i> .	— LIMITANEUS, G.-A.	Eastern Shan Plateau.
5, 5 <i>a</i> .	— TONGUPENSIS, G.-A., × 8.	Arakan Hills.
6, 6 <i>a</i> .	— ARTATA, × 8.	Moulmain.
6 <i>b</i> .	— —, another specimen, viewed from left side, × 8.	Moulmain.
7.	— HUNGERFORDI, × 4.	Hsaddenkoo, Tenasserim.
7 <i>a</i> .	— —, aperture, × 8.	
8.	— NICOBARICA, × 8.	Andaman.



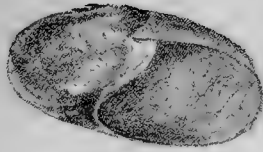
PLATE LXX.

[Part VIII.—*January* 1898.]

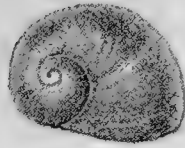
- Fig. 1. CRYPTOSOMA INUSITATUM, G.-A., × 1·5. Eastern Burmah.
1 *a.* Ditto, nat. size.
2. CRYPTOSOMA PRÆSTANS, Gould, × 1·5. Moulmain.
2 *a.* Ditto, nat. size.
3. CRYPTOSOMA INUSITATUM, view of part of left side, × 1·5.
4. Ditto: the buccal mass from left side, × 4·5.
5. Ditto: jaw, × 8.
6. Ditto: central teeth of odontopore; 6 *a*, 17th to 23rd median; 6 *b*, the outer-
most laterals, × 196.
7. Ditto: generative organs, × 4·5. Lettering as in former Plates.
7 *a.* The albumen-gland and part of hermaphrodite duct, × 4·5.
7 *b.* The amatorial organ, × 2·5.
7 *c.* Ditto, with fleshy dart more exposed, × 4·5.
8. A spermatophore, × 4·5.

h.d., hermaphrodite duct; *r.m.*, retractor muscle; *D.*, dart or amatorial organ;
sp., spermatheca; *v.d.*, vas deferens; *P.*, male organ.

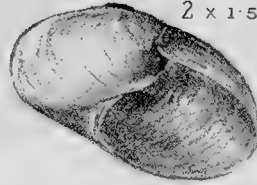
1 x 1.5



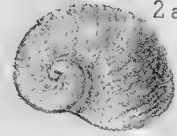
1a (nat. size)



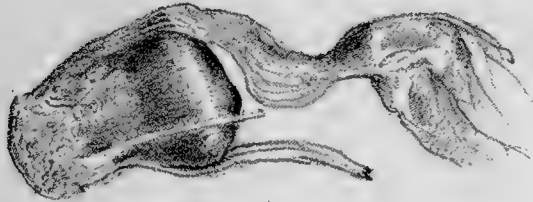
2 x 1.5



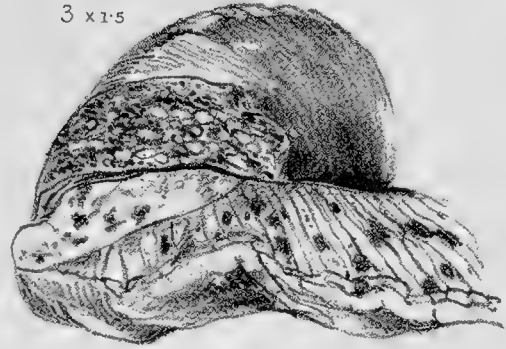
2 a (nat. size)



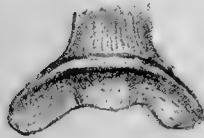
4 x 4.5



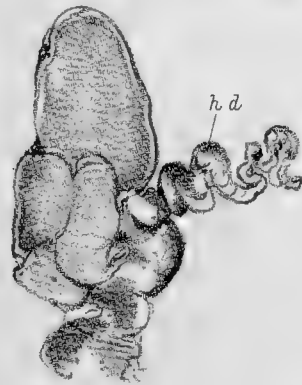
3 x 1.5



5 x 8



7 a x 4.5



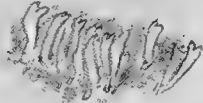
6 x 196



6 a x 196



6 b x 196



8 x 4.5



r m

D



7 b x 2.5



7 c x 2.5

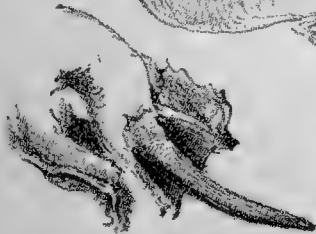


PLATE LXXI.

[Part VIII.—*January* 1898.]

- Fig. 1. CRYPTOSOMA SIAMENSE, Haimes, $\times 1.5$. Siam.
- 1 *a.* Ditto, nat. size.
 2. View of part of left side, showing the left dorsal and shell-lobes, $\times 1.5$.
 - 2 *a.* Posterior side, foot.
 3. Jaw, $\times 8$.
 4. Central teeth of odontophore, $\times 368$.
 - 4 *a.* 18th, 19th, and 20th median, $\times 368$.
 - 4 *b.* 20th, 21st, 22nd, and 23rd median, $\times 368$.
 - 4 *c.* Outermost teeth, $\times 368$.
 5. Generative organs, $\times 4.5$.
 - 5 *a.* The male organ, $\times 8$.

1 x 15



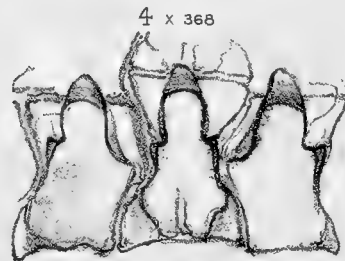
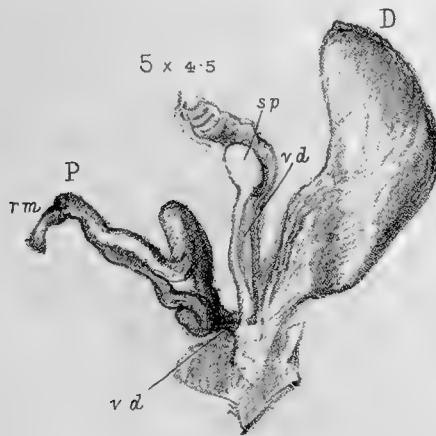
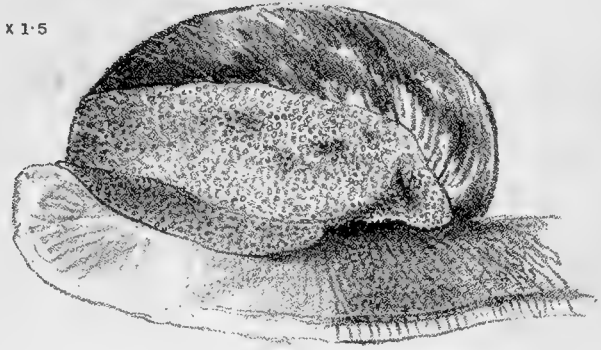
1a (nat size)



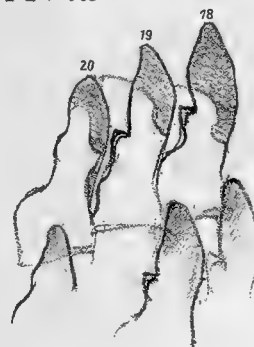
2a x 15



2 x 1.5



4a x 368



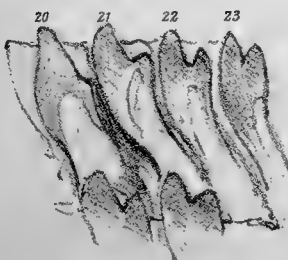
3 x 8



5a x 8



4b x 368



4c x 368



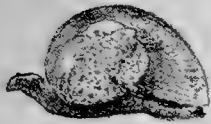
PLATE LXXII.

[Part VIII.—*January* 1898.]

CRYPTOSOMA IMPERATOR, Gould. Hongkong.

- Fig. 1. Shell, $\times 1.5$.
- 1 *a.* Shell and animal, nat. size (spirit-specimen), viewed from right side.
 - 1 *b.* Ditto, viewed from left side.
 - 2. Animal with shell removed, viewed from right side, $\times 4.5$.
 - 2 *a.* Ditto, viewed from the posterior side, $\times 4.5$.
 - 2 *b.* View showing left shell- and neck-lobes, $\times 4.5$.
 - 2 *c.* Mucous gland from posterior side, $\times 4.5$.
 - 3. Buccal mass, $\times 4.5$.
 - 4. Jaw, $\times 4.5$.
 - 5. Central teeth of odontophore, $\times 196$.
 - 5 *a.* Median teeth, 11th to 16th, $\times 368$.
 - 5 *b.* Outer lateral teeth, $\times 196$.
 - 6. Generative organs, $\times 4.5$.
 - 6 *a.* The male organ, $\times 12.4$. *x*, the side of the muscular sheath is here broken.

1d x (nat size)



1 x 1 5



1b (nat.size)



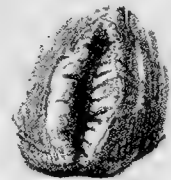
3 x 4 5



2a x 4 5



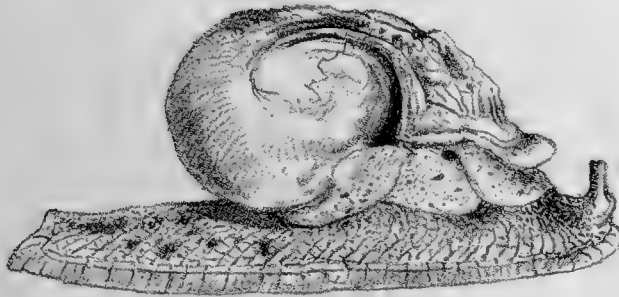
2c x 4 5



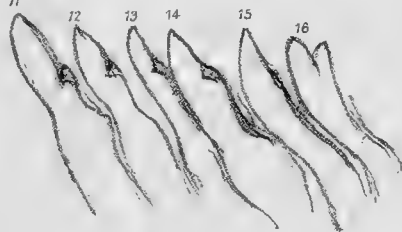
4 x 4 5



2 x 4 5



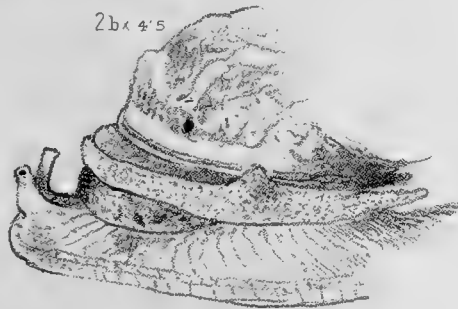
5a x 368



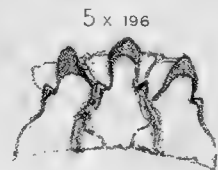
5b x 196



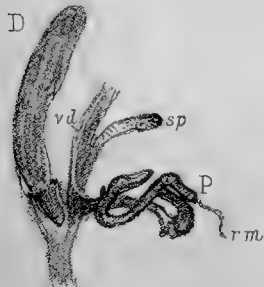
2b x 4 5



5 x 196



6 x 4 5



6a x 12 4



PLATE LXXIII.

[Part VIII.—*January* 1898.]

DAMAYANTIA SMITHI, Collinge & Godwin-Austen. Borneo.

- Fig. 1. Animal, from right side (from spirit-specimen), $\times 2.5$.
- 1 *a.* Ditto, from above, $\times 2.5$.
 - 1 *b.* Ditto, from left side, $\times 2.5$.
 2. Shell, $\times 2.5$.
 3. The visceral sac, shell removed, exposed, seen from above, showing single coil, $\times 2.5$.
 4. Extremity of foot, showing mucous gland, $\times 8$.
 5. Jaw, $\times 12$.
 6. Central teeth of radula, $\times 368$.
 7. Generative organs (*sp.am.*), $\times 4$.
 - 7 *a.* Ovo-testes and hermaphrodite duct, $\times 8$.
 - 7 *b.* Portion of male organ, $\times 8$.
 - 7 *c.* Ditto, another view, $\times 8$.
 - 7 *d.* The calcarous dart in the amatorial organ, $\times 8$.

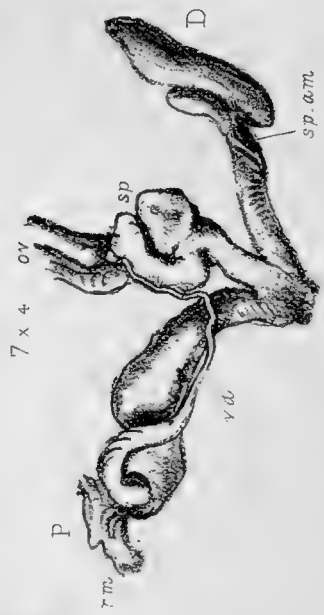
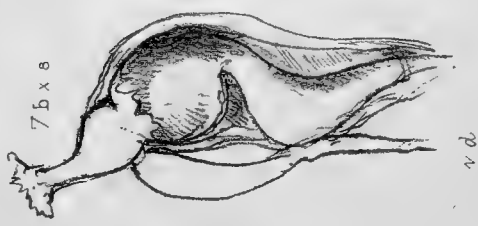
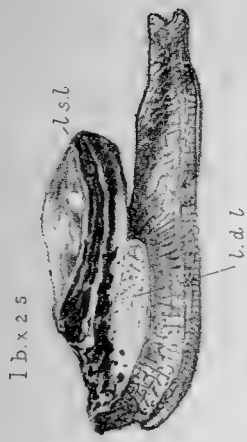


PLATE LXXIV.

[Part VIII.—*January* 1898.]

MICROPARMARION SIMROTHI, Collinge & Godwin-Austen. Bornco.

- Fig. 1. Shell and part of mantle from above, $\times 3$.
- 1 *a.* As seen from left side, $\times 3$.
 - 1 *b.* Head and fore portion of body and mantle, right side, $\times 4$.
 2. View of right side of animal, shell removed, $\times 4$.
 3. Portion of œsophagus, with salivary gland, $\times 4$.
 4. Jaw, $\times 4$.
 5. Generative organs, $\times 4$.
 - 5 *a.* Male organ, $\times 8$.
 - 5 *b.* The calcareous dart in the amatorial organ, $\times 12\cdot5$.
 6. Generative organs of PARMARION PUPILLARIS, after Semper.
 - 6 *a.* Calcareous dart (the "Liebesfeil"), after Semper.
 - 6 *b.* Teeth of radula, after Semper.

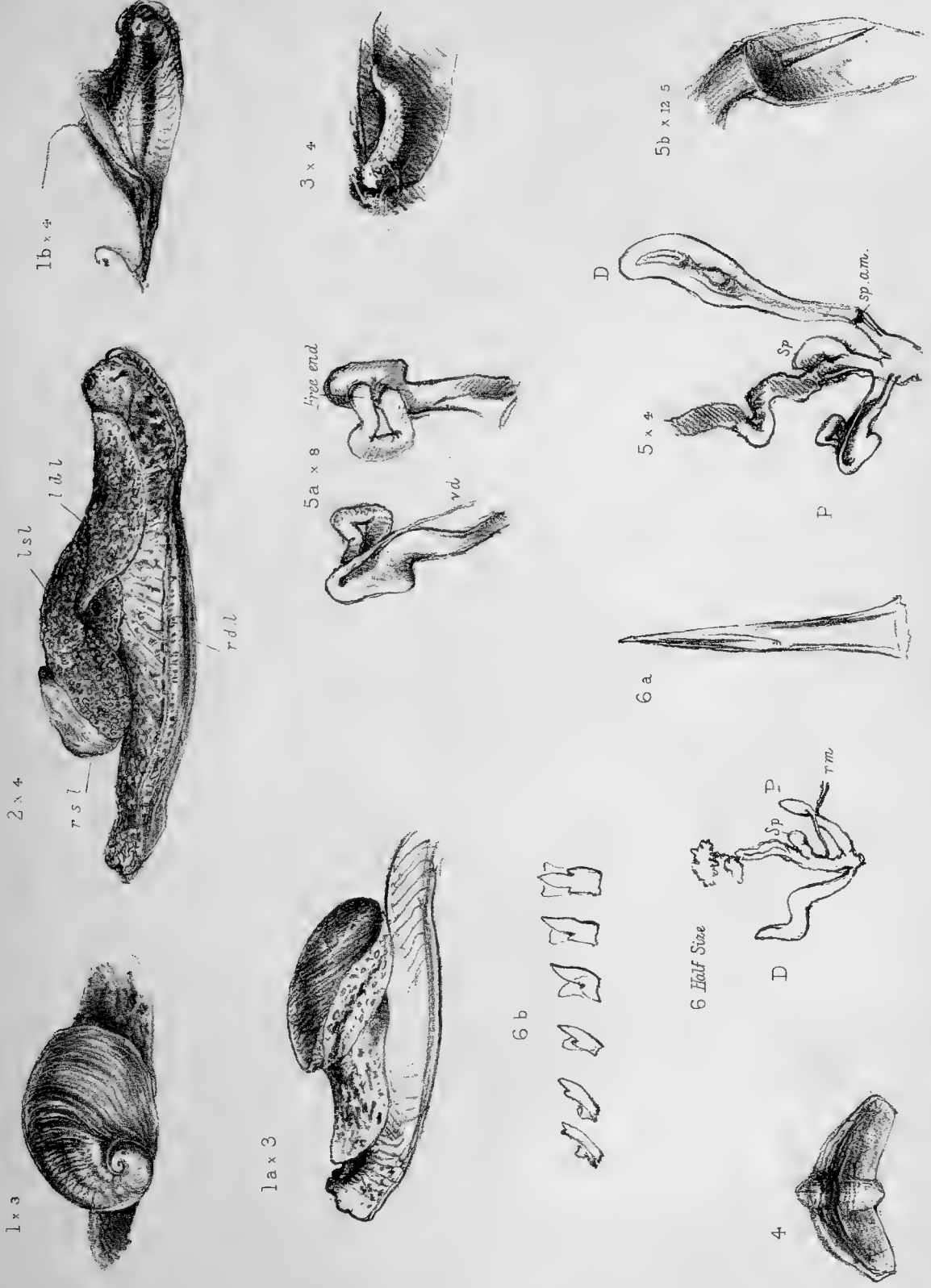


PLATE LXXV.

[Part VIII.—*January* 1898.]

MICROPARMARION POLLONERAI, Collinge & Godwin-Austen. Borneo.

- Fig. 1. Animal, from above (spirit-specimen), $\times 2.4$.
2. Ditto, right side, $\times 2.4$.
3. Mucous gland, $\times 4.6$.
4. Posterior end of visceral mass, shell removed, $\times 8$.
5. Buccal mass and salivary glands, $\times 8$.
6. Jaw, $\times 12$.
6 a. Central teeth of radula, $\times 368$.
6 b. Lateral teeth of radula, $\times 368$.
7. Generative organs, $\times 4$.
7 a. Male organ, with kalk-sac, $\times 4$.
7 b. Ditto, muscular sac cut open.
7 c. Interior of kalk-sac, showing the papillate surface, $\times 8$.
7 d. The calcareous dart of the amatorial organ, $\times 8$.

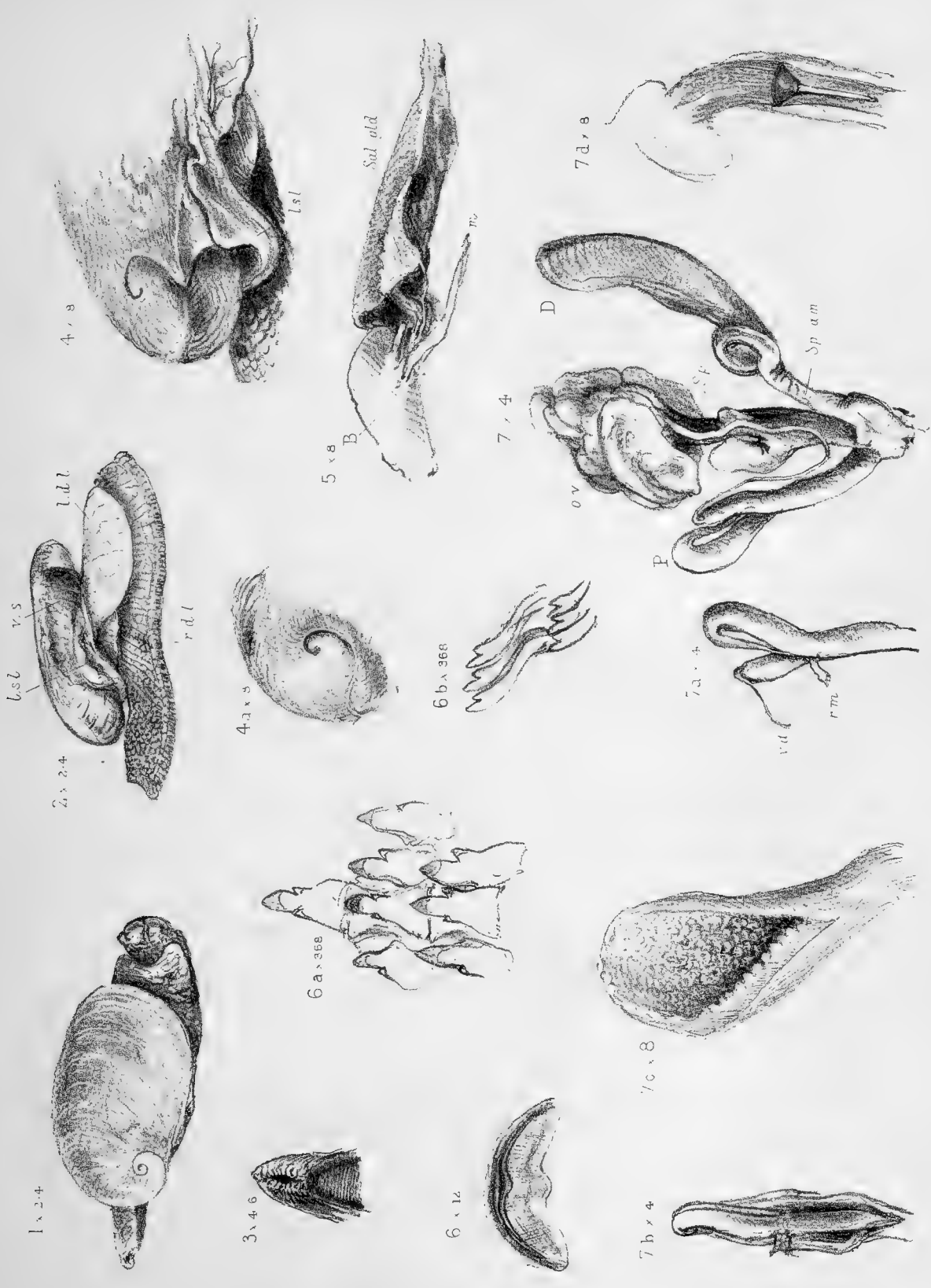


PLATE LXXVI.

[Part VIII.—*January* 1898.]

DURGELLA LEVICULA, BENSON. Tenasserim.

- Fig. 1, 1 *a*, 1 *b*. Shell, × 4.
2. Animal, seen from right side (from spirit-specimen).
 - 2 *a*. Ditto, from left side, much enlarged.
 - 2 *b*. Extremity of foot, as in life.
 3. Buccal mass, from right side.
 4. Jaw, × 58.
 5. Centre tooth of the radula, with two laterals, very much enlarged.
 - 5 *a*. Lateral teeth.
 6. Generative organs, × 8.
 - 6 *a*. The male organ, showing muscular dart, × 12·4.

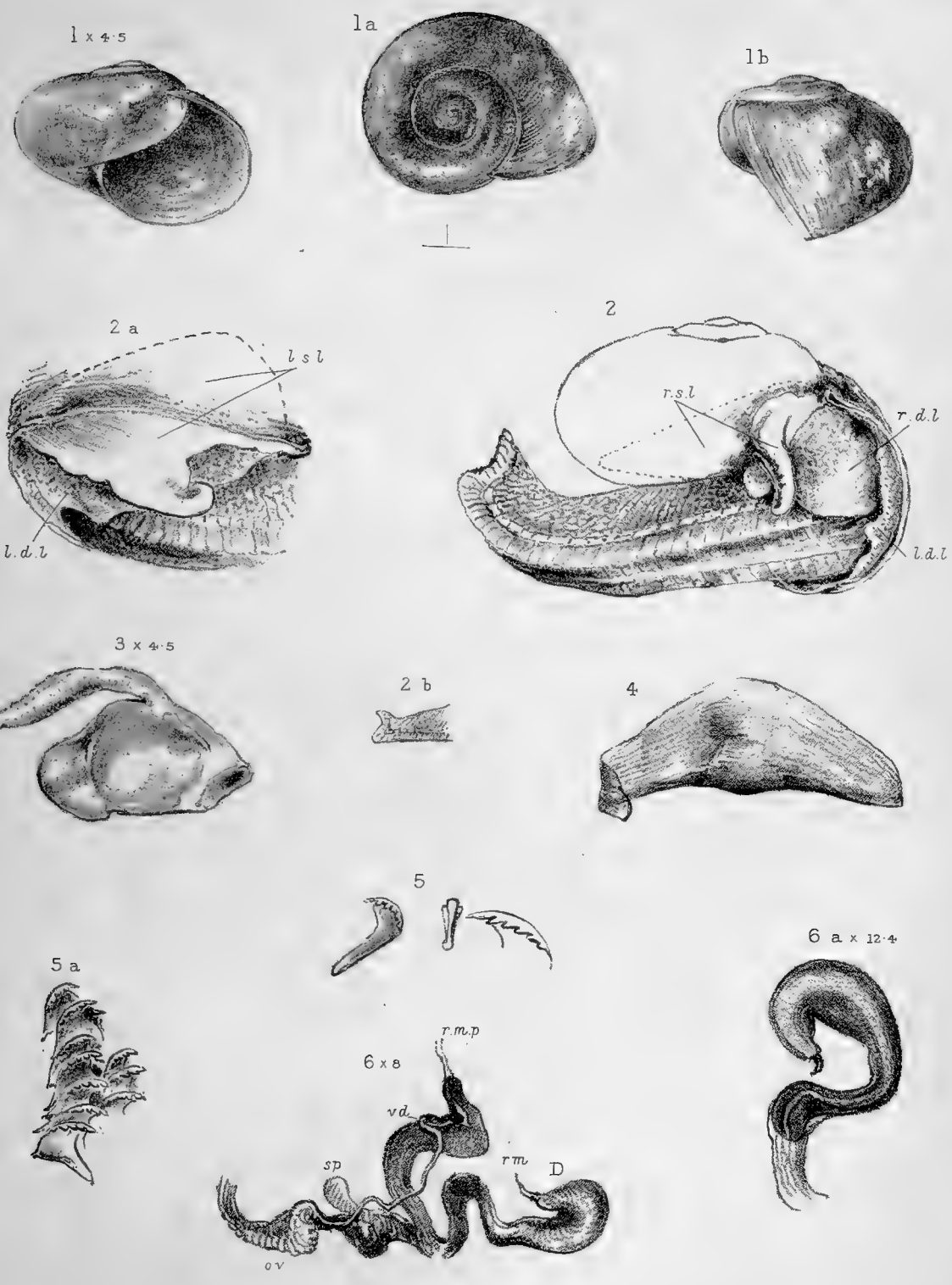




PLATE LXXVII.

[Part VIII.—*January* 1898.]

- Fig. 1. DURGELLA ASSAMICA, G.-A. : shell, $\times 4$. Durrang District, Assam.
2. Ditto : portion of side of foot, much enlarged.
3. Ditto : shell and dorsal lobes detached.
4. Ditto : jaw, $\times 30$.
5. Ditto : lateral teeth.
5 a. Ditto : lateral teeth, much enlarged.
6. Ditto : generative organs. Lettering as in other Plates.
7, 7 a. DURGELLA MAIRANGENSIS, G.-A., $\times 4$. Khasi Hills.
7 b, 7 c. Ditto, $\times 2\cdot4$.
8. Ditto : extremity of foot.
9. Ditto : jaw, $\times 12\cdot4$.
10. Ditto : central tooth and side teeth, enlarged.
10 a. Ditto : outermost laterals, $\times 368$.
10 b. Ditto : five laterals, very much enlarged.
11. Ditto : generative organs, portion of, $\times 12\cdot4$.

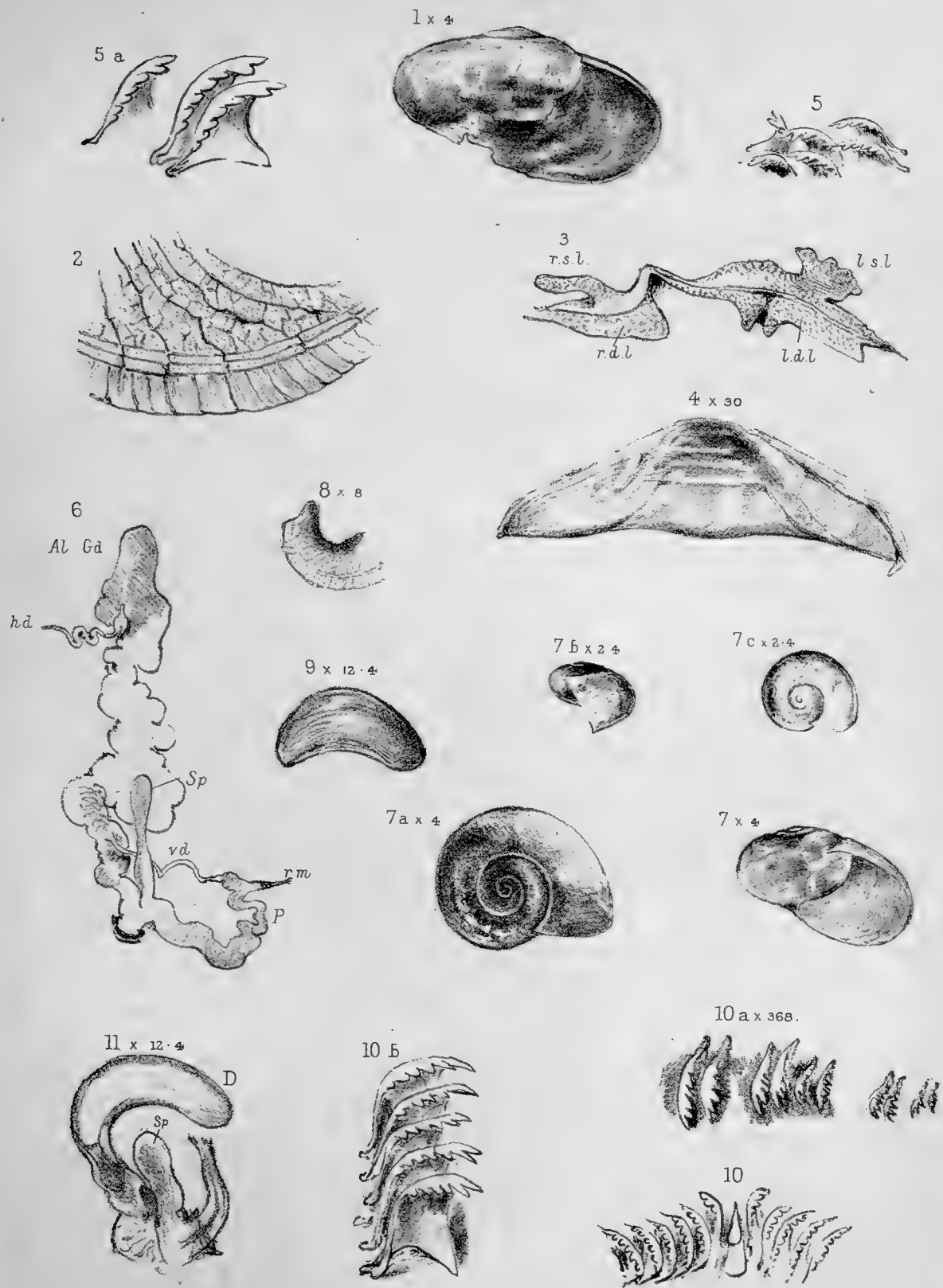


PLATE LXXVIII.

[Part VIII.—*January* 1898.]

DURGELLA DEKHANENSIS, Godwin-Austen. South India.

- Fig. 1. Shell, $\times 2.5$.
2. Animal and shell (spirit-specimen), showing shell-lobes, $\times 1.5$.
2 a. Ditto, part of, from the left side, $\times 1.5$.
2 b. Extremity of foot, showing mucous pore, $\times 8$.
2 c. Portion of sole of foot, $\times 8$.
2 d. Mantle-lobes detached: *r.s.l.*, right shell-lobe &c.

DURGELLA DEKHANENSIS, var. BICOLOR.

- Fig. 3. Animal and shell, $\times 1.4$.
4. Jaw, $\times 24$.
5. Generative organs, $\times 4$.

DURGELLA LEVIDENSIS, Godwin-Austen. Travancore.

- Fig. 6. Animal, viewed from the right side (spirit-specimen), $\times 4$.
7. Generative organs, $\times 4$.
7 a. Male organ, opened out on side, $\times 4$.
7 b. Ditto, end of, enlarged, side view.
8. Four lateral teeth of odontophore, very much enlarged.
8 a. The central tooth and outer laterals, $\times 368$.
9. The buccal mass, $\times 4$.

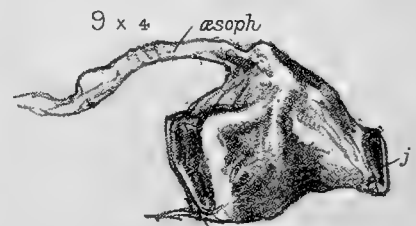
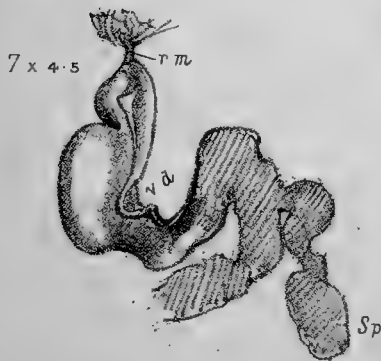
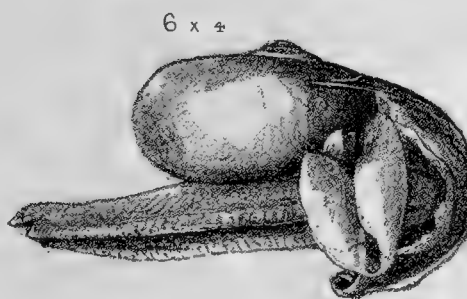
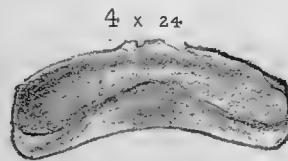
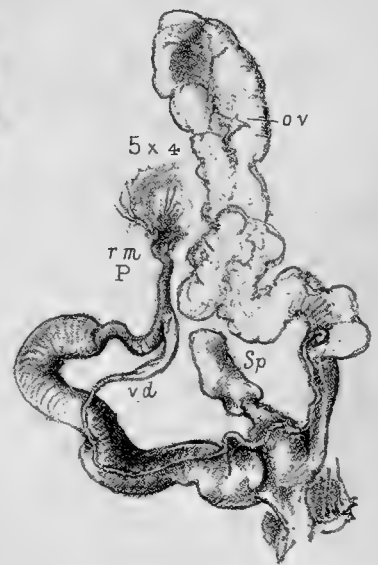
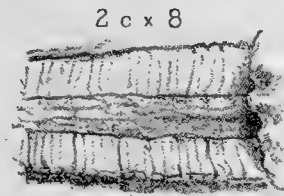
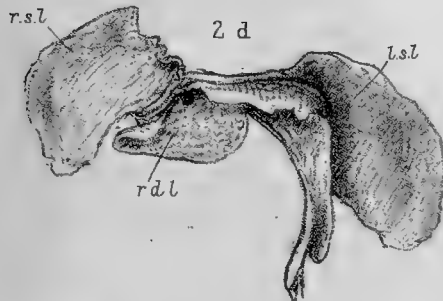
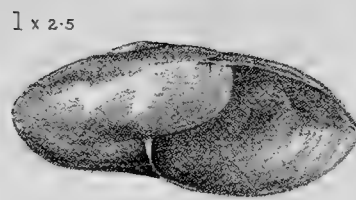
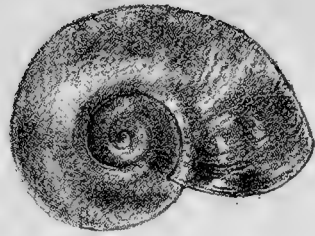


PLATE LXXIX.

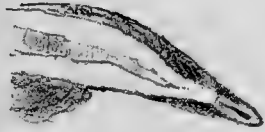
[Part VIII.—*January* 1898.]

- Fig. 1. DURGELLA CHRISTIANÆ, Theobald : shell, × 4. Andaman Islands.
2. Ditto : animal viewed from right side (from spirit-specimen).
3. Ditto : jaw, × 12.4.
4. Ditto : central tooth and adjacent teeth, much magnified.
4 *a*, 4 *b*. Ditto : laterals, very much enlarged.
5. Ditto : generative organs ; ? the probable position of the retractor muscle of the penis.
6, 6 *a*. DURGELLA ? SUMBAENSIS, G.-A. : shell, × 4. Sumba or Sumbawa.
6 *b*. Ditto : animal after soaking in water, showing the right shell-lobe, × 4.
7. Ditto : jaw, × 30.
8. Ditto : central tooth and five median teeth.
8 *a*. Ditto : lateral teeth, very much enlarged.
8 *b*. Ditto : the outer laterals, very much enlarged.
9. DURGELLA HOSEI, G.-A. : central tooth and adjacent laterals. Borneo.
10. DURGELLA DEKHANENSIS, G.-A. : extremity of foot, showing a supernumerary overhanging lobe to mucous gland, × 4. South India.

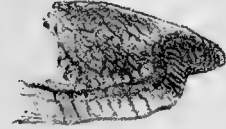
1 x 4



2 b



2 a



5



2



3 x 12 5



4 a



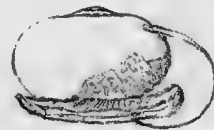
4 b



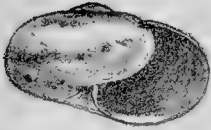
4 x



6 b x 4



6 x 4



6 a x 4



7 x 30



8



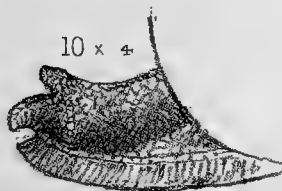
8 a



9



10 x 4



8 b

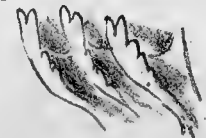




PLATE LXXX.

[Part VIII.—*January* 1898.]

NILGIRIA SOLATA, Benson. Nilghiri Hills.

- Fig. 1. Shell, $\times 1.5$.
2. Animal viewed from right side, showing edge of mantle and dorsal lobes, $\times 1.5$.
2 a. Ditto, from left and front side, showing sole of foot, $\times 1.5$.
3. Extremity of foot, showing mucous gland, $\times 4$.
4. Generative organs, $\times 4$.
4 a. Generative (male) organ, $\times 8$.

ARIOPHANTA LÆVIPES, Müller. Bombay.

- Fig. 5. Generative organs, amatorial organ detached, $\times 4$.
5 a. Ditto, portion of, showing spermatheca.
5 b. Ditto, portion of male organ near junction of vas deferens, showing spermatophore *in situ*, $\times 12$.
5 c. Ditto, terminal end of the amatorial organ, $\times 12$.

HEMIPLECTA HUMPHREYSIANA, Lea. Singapur.

- Fig. 6. Animal, front view, showing shell- and dorsal lobes, $\times 2.4$.
6 a. Ditto, viewed from the left side, showing edge of mantle and left dorsal lobe, $\times 2.4$.
6 b. The generative organs, nat. size.

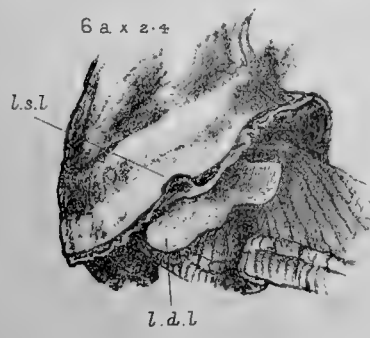
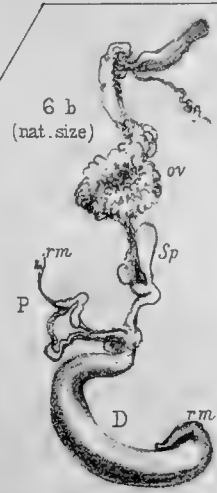
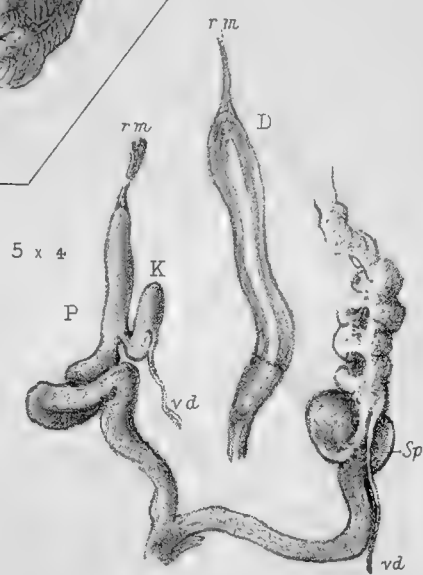
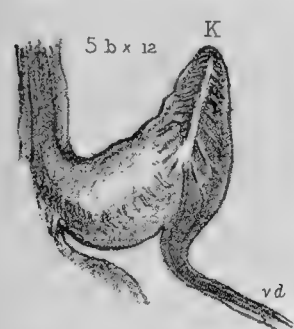
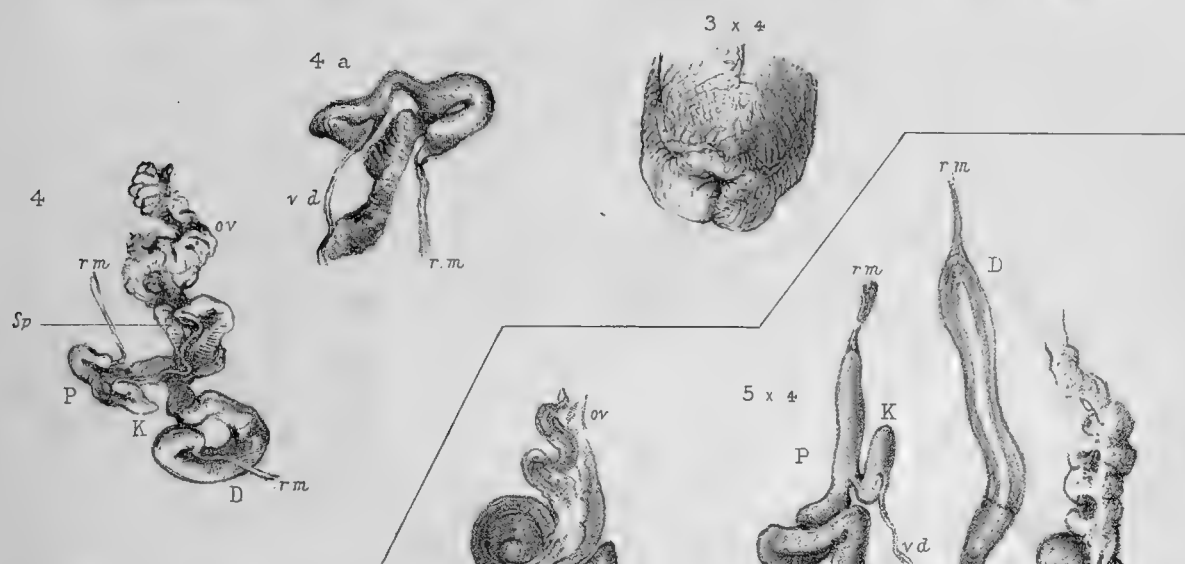
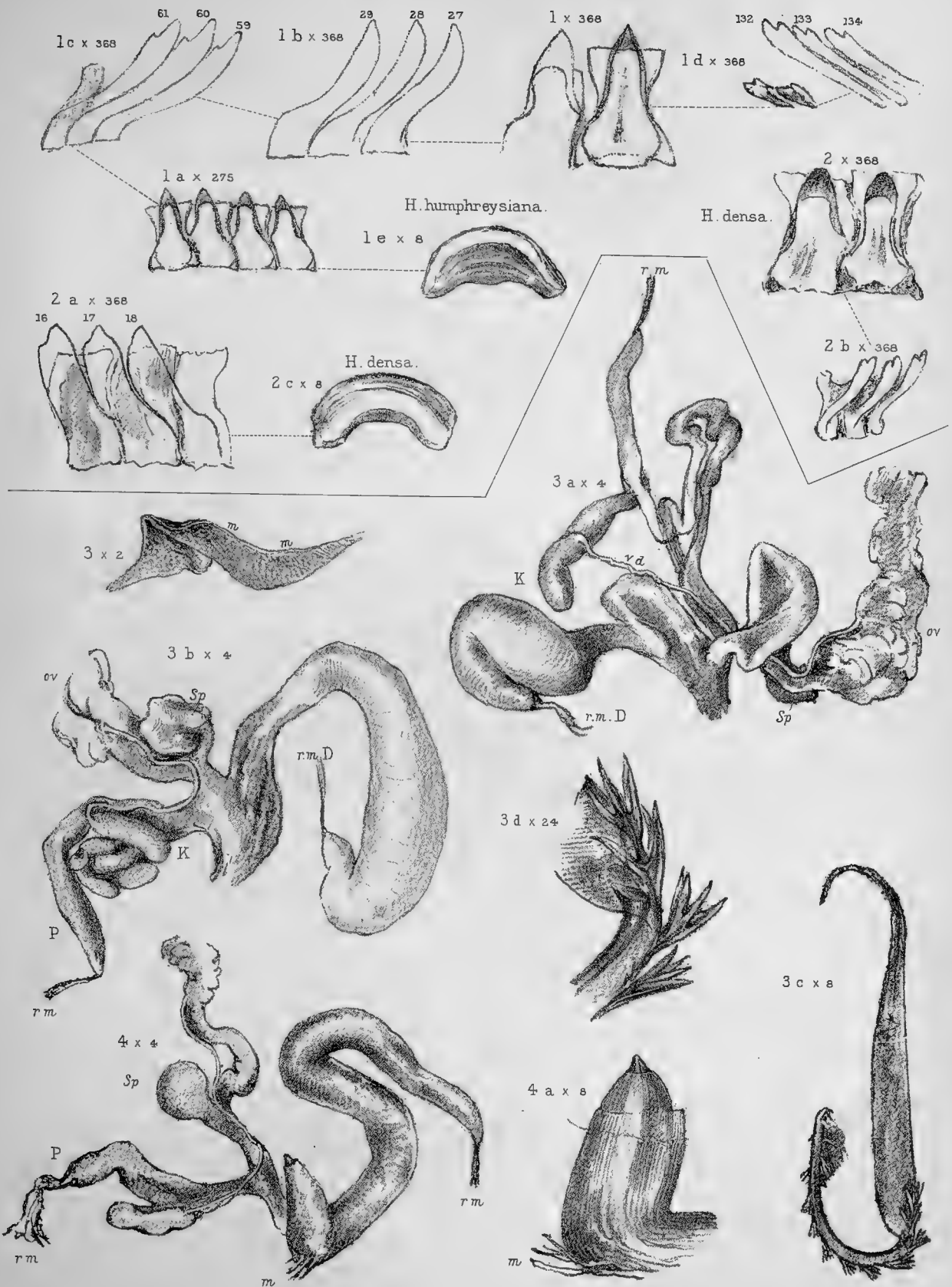




PLATE LXXXI.

[Part VIII.—*January* 1898.]

- Fig. 1. HEMIPLECTA HUMPHREYSIANA, Lea : central tooth, × 368. Singapore.
- 1 *a.* Ditto : central teeth, × 275.
- 1 *b.* Ditto : 27th, 28th, and 29th centrals, × 368.
- 1 *c.* Ditto : 59th, 60th, and 61st laterals, × 368.
- 1 *d.* Ditto : 132nd, 133rd, and 134th laterals, × 368, and outermost teeth.
- 1 *e.* Ditto : jaw, × 8.
2. HEMIPLECTA DENSE, Adams & Reeve : central teeth, × 368. Borneo.
- 2 *a.* Ditto : 16th, 17th, and 18th median teeth, × 368.
- 2 *b.* Ditto : three laterals, × 368.
- 2 *c.* Ditto : jaw, × 8.
3. NILGIRIA TRANQUEBARICA, Fabr. : mantle-edge and dorsal lobes removed, × 2. Madras.
- 3 *a.* Ditto : genitalia, × 4.
- 3 *b.* Ditto : another specimen, × 4.
- 3 *c.* Ditto : spermatophore, × 8.
- 3 *d.* Ditto : ditto, portion near base of the sac, × 24.
4. NILGIRIA BISTRIALIS, Beck : genitalia, × 4. Madras.
- 4 *a.* Ditto : the basal portion of amatorial organ, showing the "rod-point" or "*virgula amatoria*."





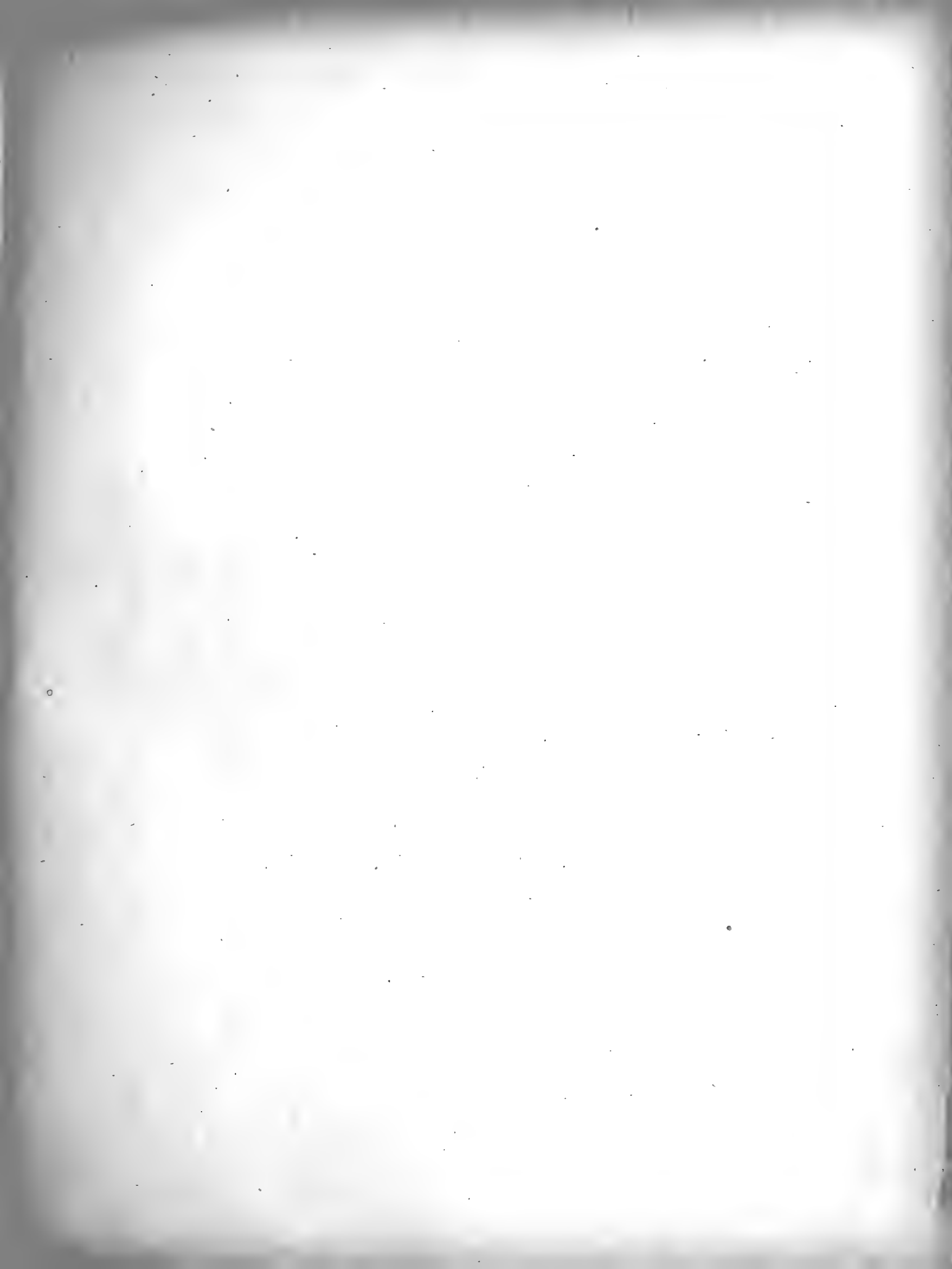
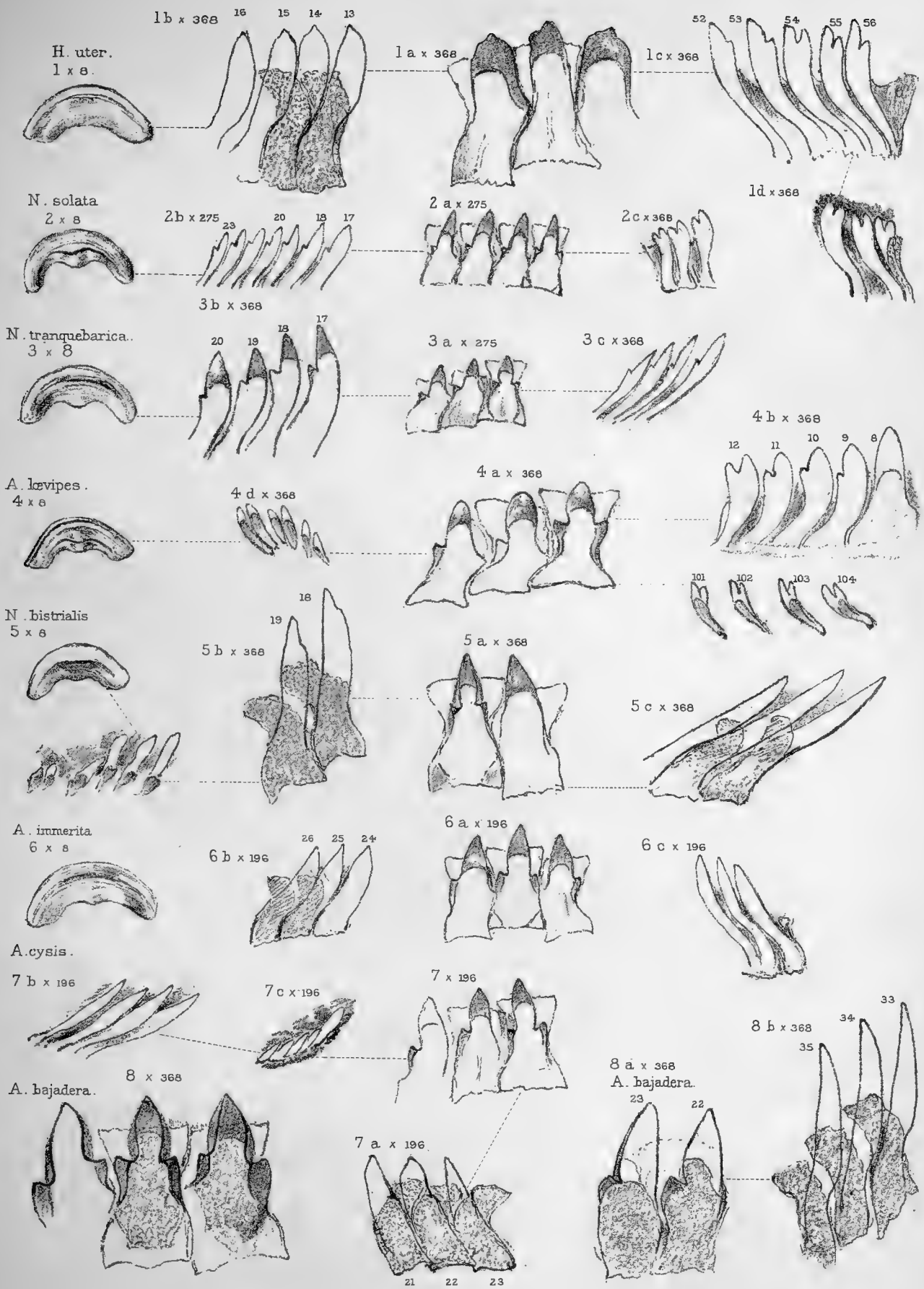


PLATE LXXXII.

[Part VIII.—*January* 1898.]

- Fig. 1. HEMIPLECTA UTER, Theobald : jaw, \times 8. Tenasserim.
 1 *a.* Ditto : central teeth, \times 368.
 1 *b.* Ditto : median teeth, 13th to 16th, \times 368.
 1 *c.* Ditto : laterals, 52nd to 56th, \times 368.
 1 *d.* Ditto : outer laterals, \times 368.
 2. NILGIRIA SOLATA, Benson : jaw, \times 8. Nilghiri Hills.
 2 *a.* Ditto : central teeth, \times 275.
 2 *b.* Ditto : median and transition teeth, 17th to 23rd, \times 275.
 2 *c.* Ditto : three laterals, \times 368.
 3. NILGIRIA TRANQUEBARICA, Fabricius : jaw, \times 8. Madras.
 3 *a.* Ditto : central teeth, \times 275.
 3 *b.* Ditto : median teeth, 17th to 20th, \times 368.
 3 *c.* Ditto : laterals, \times 368.
 4. ARIOPHANTA LÆVIPES, Müller : jaw, \times 8. Bombay.
 4 *a.* Ditto : central teeth, \times 368.
 4 *b.* Ditto : median teeth, 8th to 12th, \times 368.
 4 *c.* Ditto : laterals, 101st to 101th, \times 368.
 4 *d.* Ditto : six outermost teeth, \times 368.
 5. NILGIRIA BISTRIALIS, Beck : jaw, \times 8. Madras.
 5 *a.* Ditto : two centre teeth, \times 368.
 5 *b.* Ditto : median teeth, 18th and 19th transition teeth, \times 368.
 5 *c.* Ditto : middle laterals, \times 368.
 5 *d.* Ditto : outermost teeth, \times 368.
 6. ARIOPHANTA IMMERITA, W. T. Blf. : jaw, \times 8. South India.
 6 *a.* Ditto : three central teeth, \times 196.
 6 *b.* Ditto : median transition teeth, 24th to 26th, \times 196.
 6 *c.* Ditto : laterals, 38th, 39th, and 40th, \times 196.
 7. ARIOPHANTA CYSIS, Benson : central teeth, \times 196. Nilghiri Hills.
 7 *a.* Ditto : median transition teeth, 21st, 22nd, and 23rd.
 7 *b.* Ditto : three laterals, \times 196.
 7 *c.* Ditto : five outermost teeth, \times 196.
 8. ARIOPHANTA? BAJADERA, Pfr. : three central teeth, \times 368. Bombay.
 8 *a.* Ditto : median transition teeth, 22nd and 23rd, \times 368.
 8 *b.* Ditto : lateral teeth, 33rd, 34th, and 35th, \times 368.





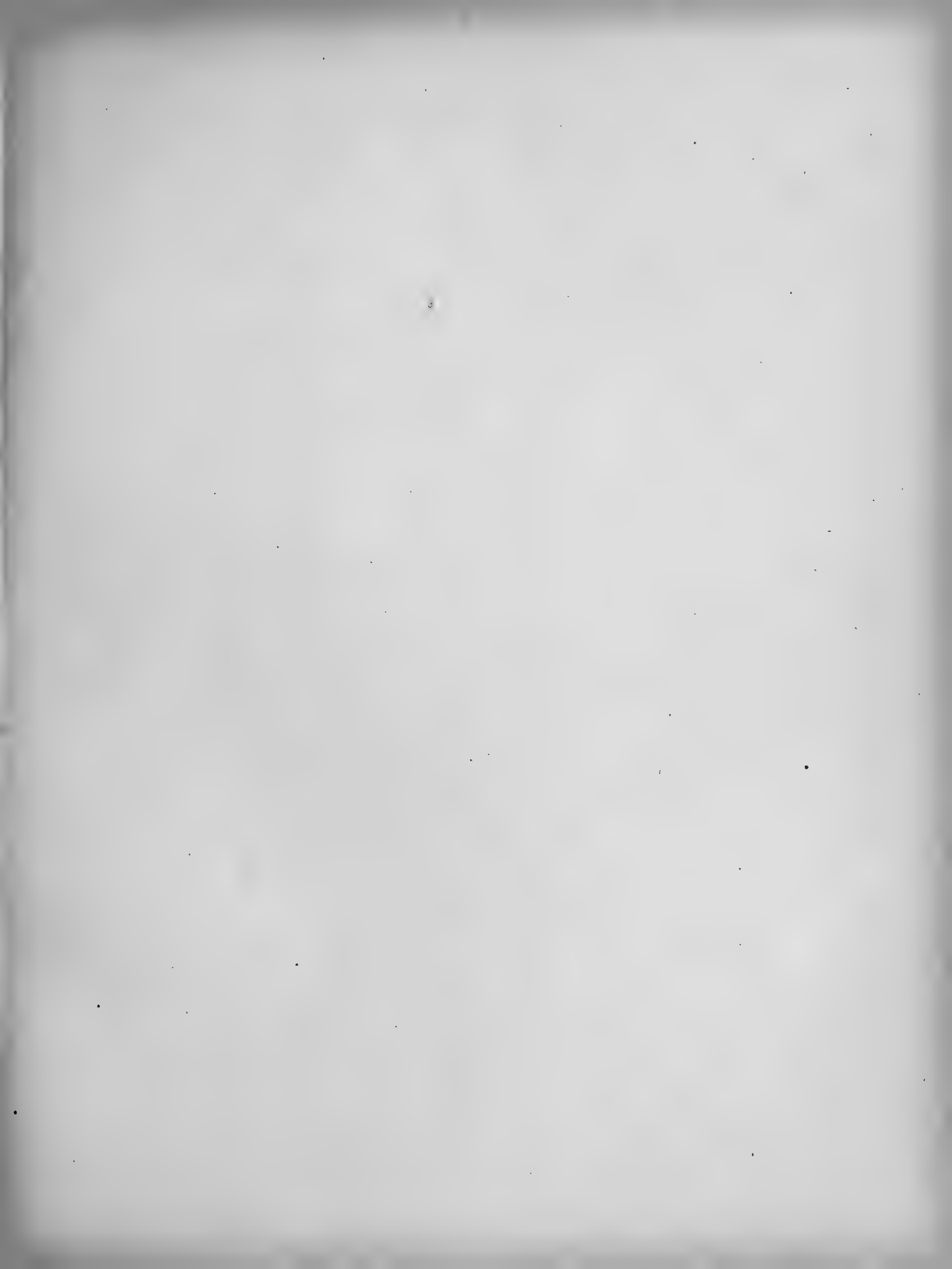
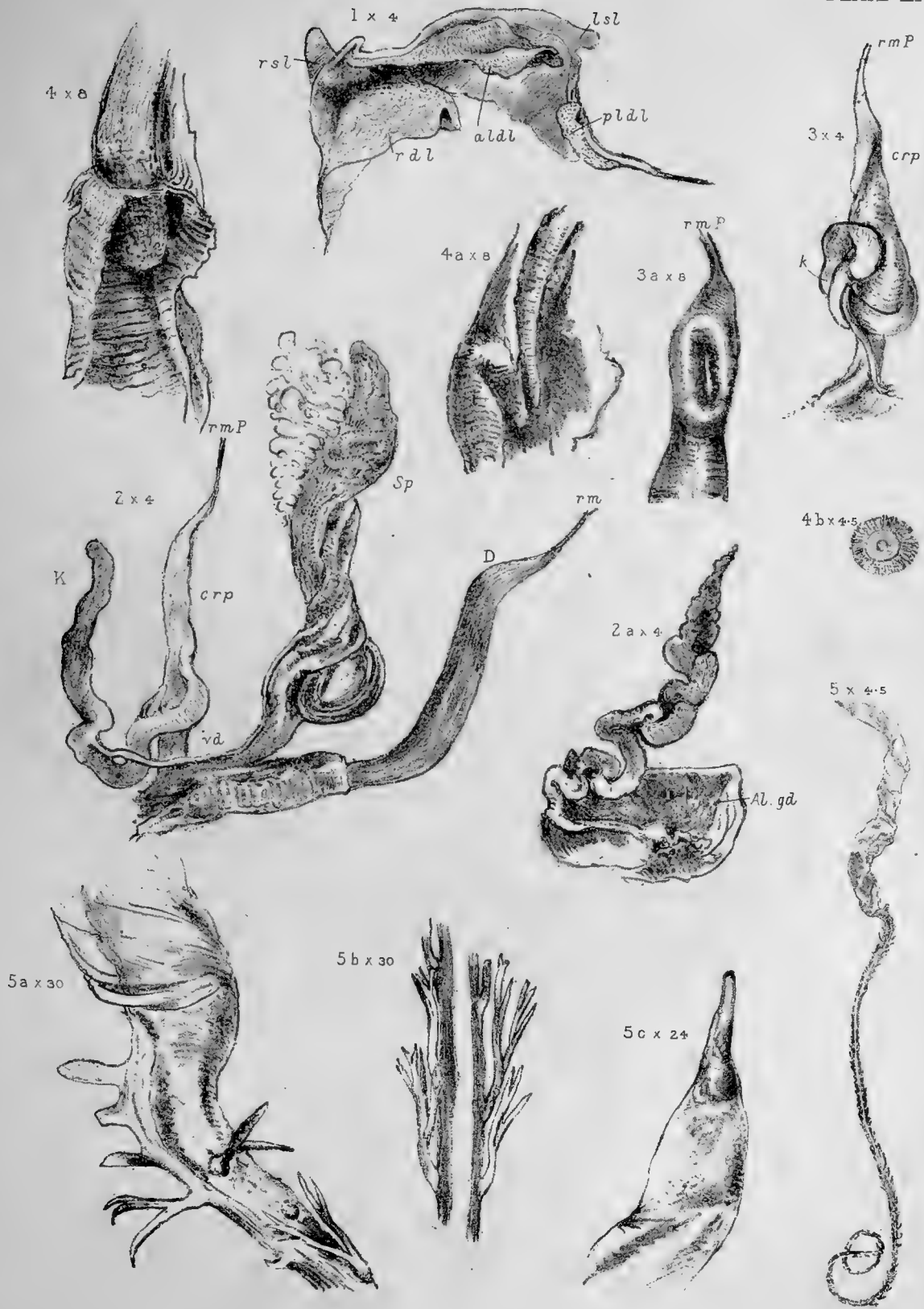


PLATE LXXXIII.

[Part IX.—November 1899.]

MACROCHLAMYS PEDINA, BENSON. Bombay.

- Fig. 1. Shell- and mantle-lobes detached, $\times 4$.
2. Generative organs detached, $\times 4$. *crp*, *cæcum musculi retractoris penis* of Semper.
- 2 *a*. Ditto, hermaphrodite-duct and albumen-gland, $\times 4$.
3. Male organ coiled as in nature, $\times 4$.
- 3 *a*. Ditto, part near the retractor muscle attachment opened out, showing *cæcum*, $\times 8$.
4. Amatorial organ, showing the papilla, $\times 8$.
- 4 *a*. Ditto, the amatorial rod opened out, $\times 8$.
- 4 *b*. Ditto, section through the amatorial organ near the middle, $\times 4.5$.
5. Spermatophore, entire, from the spermatheca, $\times 4.5$.
- 5 *a*. Ditto, portion at base of capsule, $\times 30$.
- 5 *b*. Ditto, portion near middle of flume, $\times 30$.
- 5 *c*. Ditto, head of the capsule, $\times 24$.





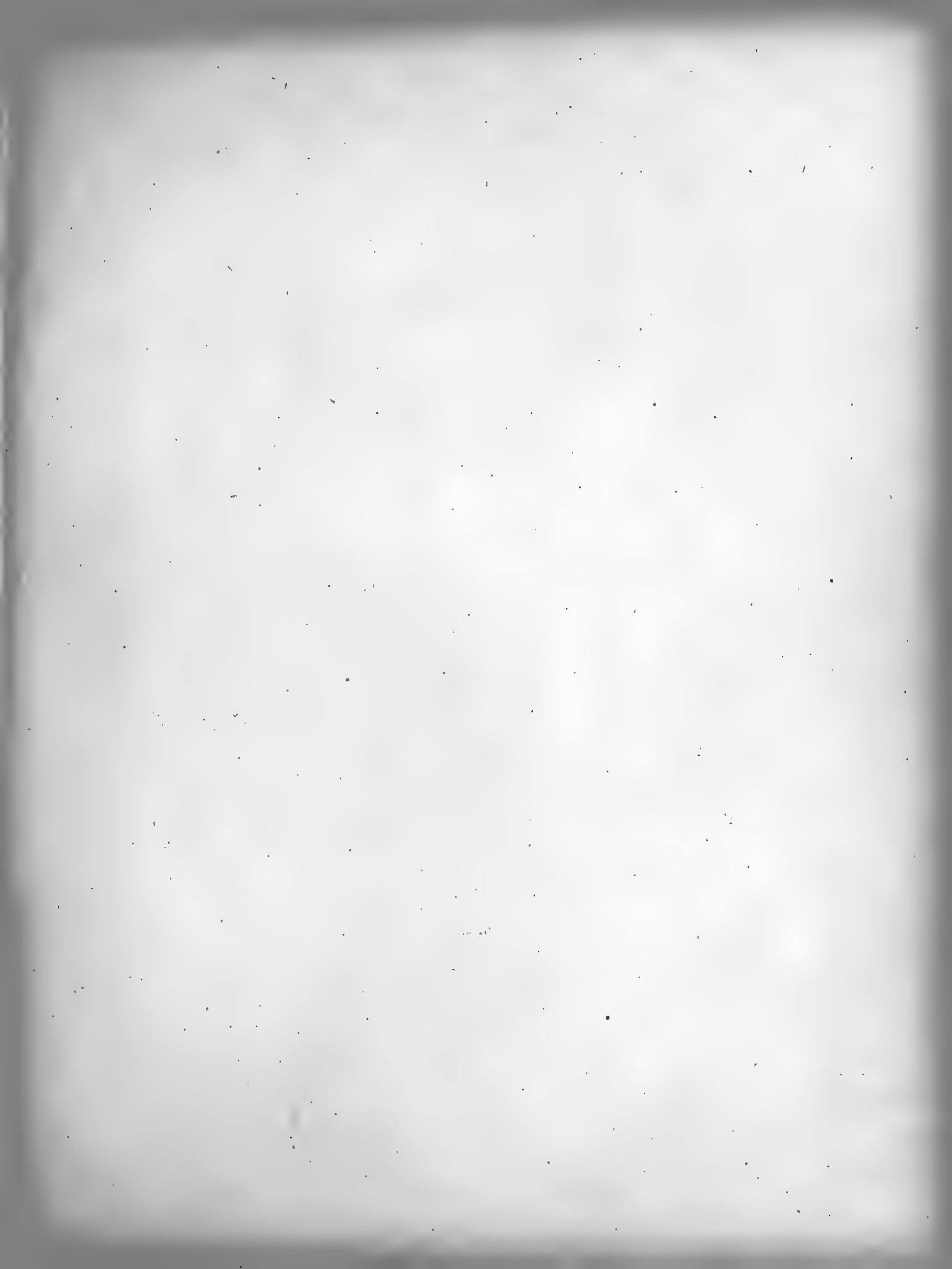


PLATE LXXXIV.

[Part IX.—*November* 1899.]

EURYCHLAMYS PLATYCHLAMYS, W. T. Blf. Bombay.

Fig. 1. Animal, viewed from right side, showing the mantle-lobes, $\times 4.5$.

1 *a*. Left side, ditto, $\times 4.5$.

1 *b*. Shell, $\times 2.4$.

1 *c*. Jaw, $\times 12$.

1 *d*. Generative organs, $\times 4$.

1 *e*. The male organ from another specimen, $\times 12$.

EURYCHLAMYS REGULATA, Benson. Ceylon.

Fig. 2. Animal, viewed from the right side, $\times 4.5$. *r.s.l.*, right shell-lobe turned down (inside surface of).

2 *a*. Ditto, right side, $\times 2$. Right shell-lobe in true position.

2 *b*. Shell, $\times 2.4$.

2 *c*. Sculpture of shell near suture, $\times 30$.

2 *d*. The shell- and mantle-lobes detached from the animal, $\times 4$.

2 *e*. Jaw, $\times 12$.

2 *f*. Central and median teeth of radula, $\times 368$.

2 *g*. The male organ and portion of the genitalia, $\times 8$.

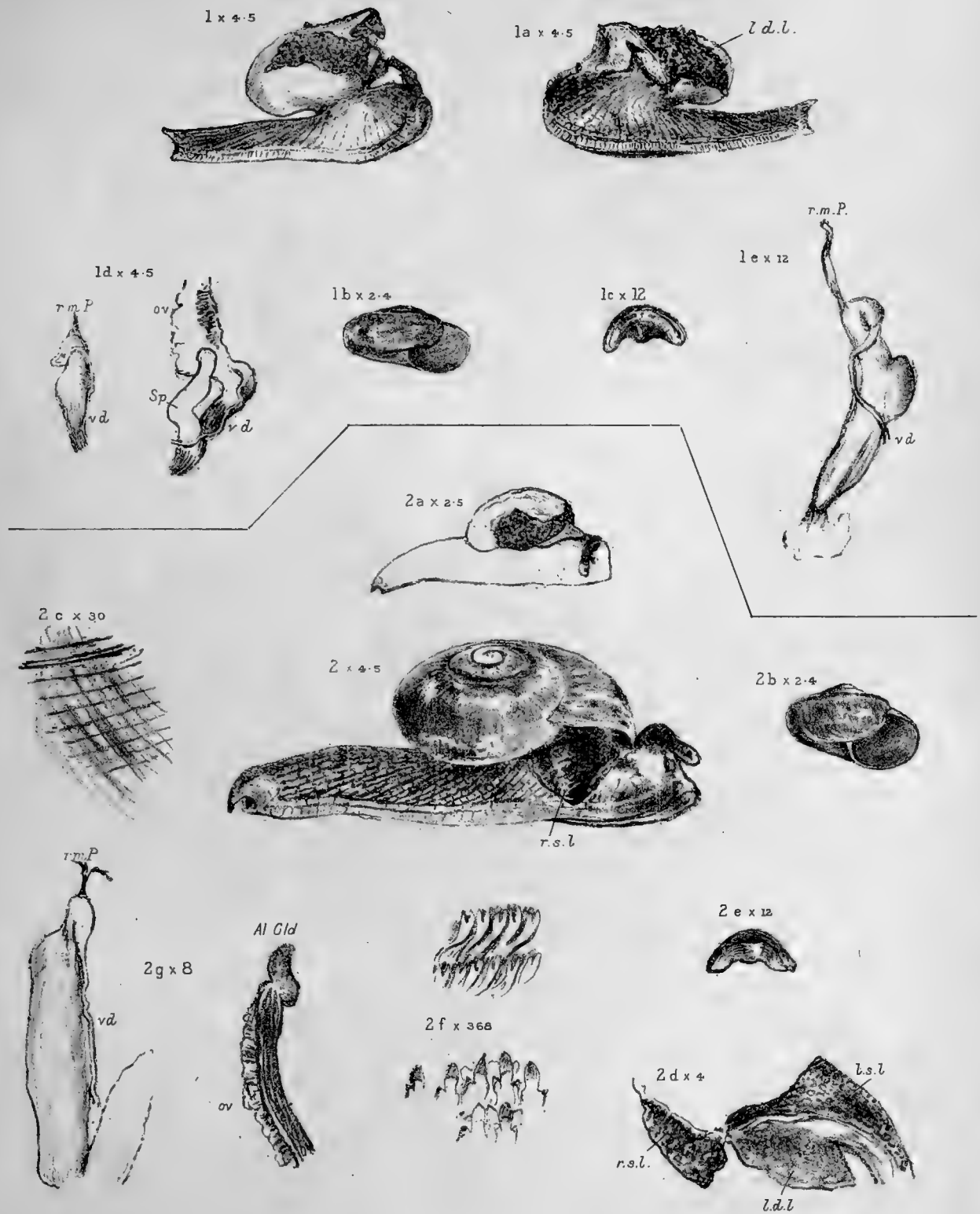


PLATE LXXXV.

[Part IX.—*November 1899.*]

RATNADVIPIA IRRADIANS, Benson. Ceylon.

- Fig. 1. Animal, view of right side showing the shell- and mantle-lobes, $\times 2.5$.
2. Shell- and mantle-lobes, left side, 2.4 .
3. Sole of foot showing the medial fold and segmentation, $\times 4.5$.
4. The buccal mass, $\times 4$.
5. Shell from above, $\times 2.5$.
5 a. Ditto, side view, $\times 2.5$.
6. Part of the genitalia: male and amatorial organs, $\times 2.5$.
6 a. Male organ, another view, $\times 2.5$.
7. Jaw, $\times 8$.
8. Teeth of radula, central and median, $\times 368$.
8 a. Ditto, outermost laterals, $\times 368$.

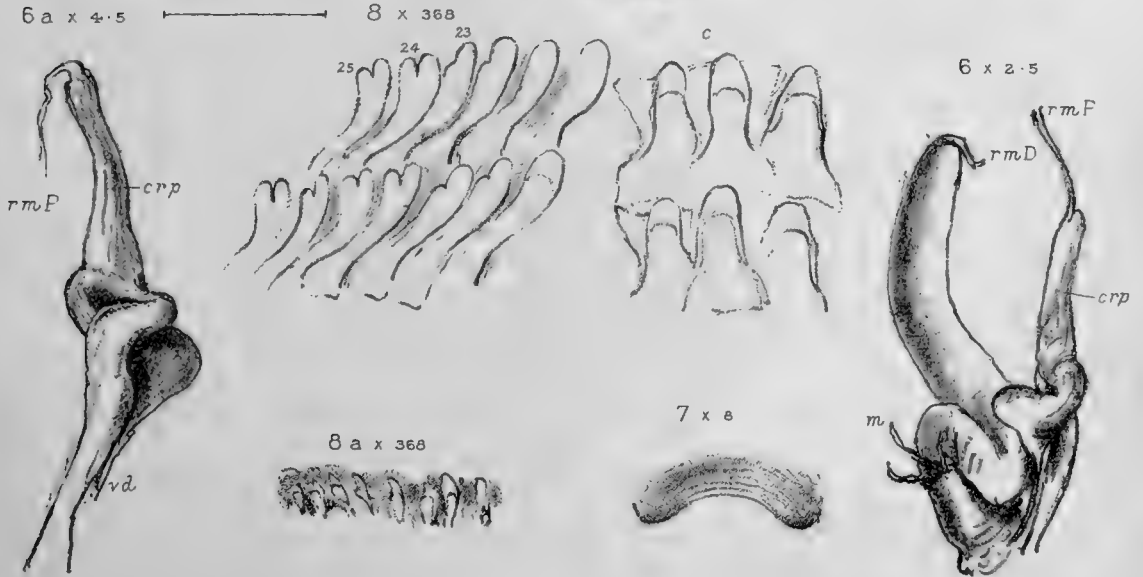
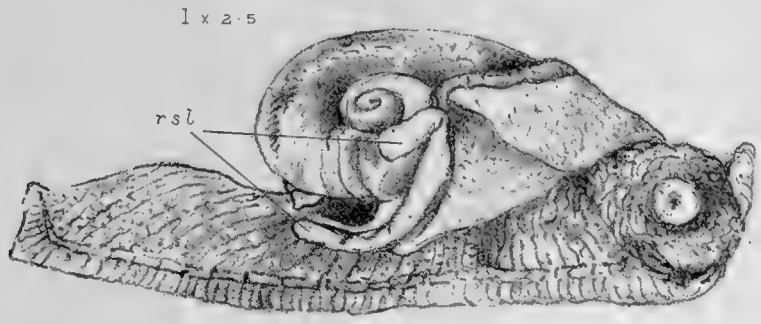
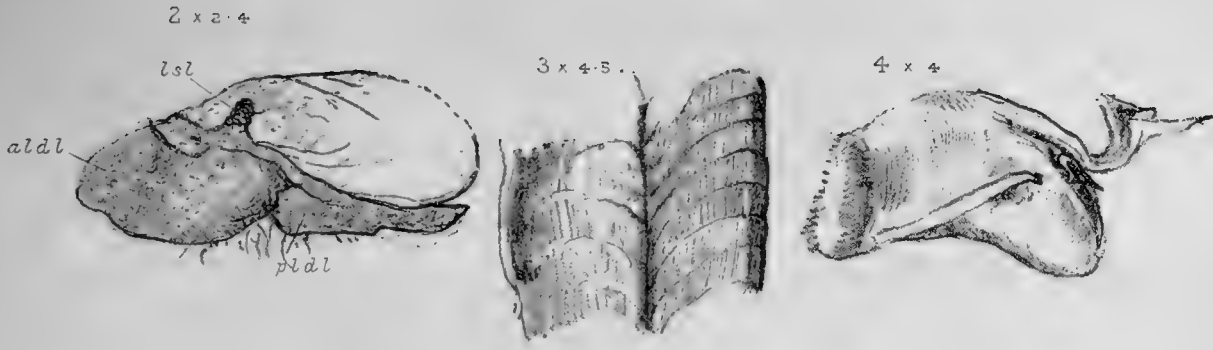


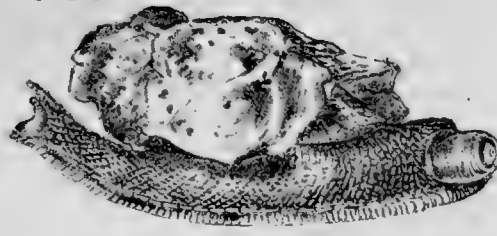
PLATE LXXXVI.

[Part IX.—November 1899.]

EUPLECTA PRÆMINENS, Sykes. Ceylon.

- Fig. 1. Animal viewed from the right side, shell removed; point of amatorial organ is seen projecting from the generative aperture, $\times 2.4$.
2. Shell- and dorsal lobes, $\times 4.5$.
3. Extremity of foot, viewed from behind, $\times 8$.
4. Genitalia, male and amatorial organ, $\times 4.5$. *crp*, *cæcum musculi retractoris penis* of Semper.
- 4 a. Male organ, from another side, $\times 4.5$.
- 4 b. Ditto, ditto, $\times 4.5$.
- 4 c. Uterus, oviduct, and vas deferens, $\times 4.5$.
5. Jaw, $\times 8$.
- 6, 6 a, 6 b. Teeth of radula, $\times 368$.
7. Portion of shell showing sculpture, $\times 30$.

1 x 2.4



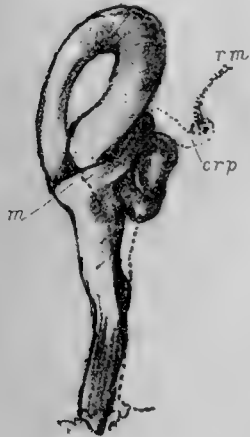
2 x 4.5



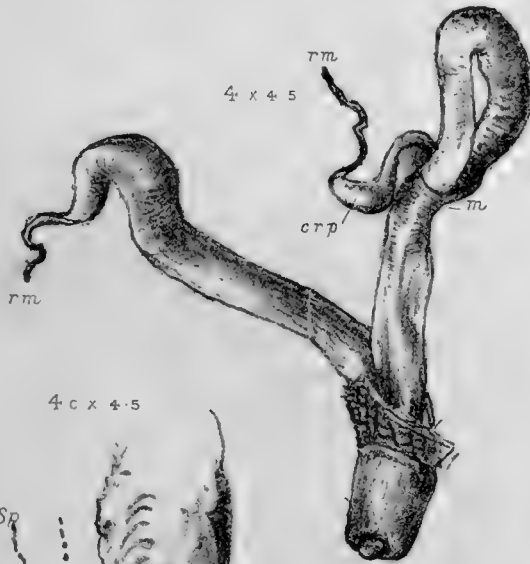
3 x 8



4 a x 4.5



4 x 4.5



4 b x 4.5



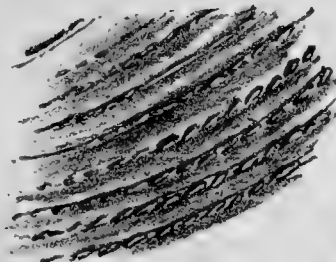
4 c x 4.5



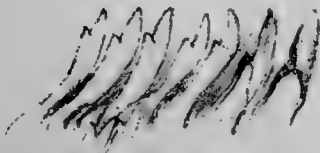
5 x 8



7 x 30



6 a x 368



6 b x 368



6 x 368



PLATE LXXXVII.

[Part IX.—November 1899.]

EUPLECTA PARTITA, Pfr. Ceylon.

- Fig. 1. Generative organs, $\times 4.5$. *crp*, *cæcum musculi retractoris penis* of Semper.
- 1 *a*. Male organ, from another side, $\times 4.5$.
 - 1 *b*. Part of, showing position of spermatophore in process of formation, $\times 8$.
 - 1 *c*. Ditto, ditto, $\times 8$.
 - 1 *d*. The dorsal lobes, $\times 4$.
 - 1 *e*. Buccal mass and salivary glands, $\times 4.5$.

MACROCHLAMYS FLEMINGI, Pfr. Murree, Punjab.

- Fig. 2. Spermatophore, 4.5 .
- 2 *a*. Ditto, part of, still further enlarged, $\times 24$. *a*, *b*, *c*, spines of.
 - 2 *b*. Ditto, posterior end of capsule, $\times 30$.
 - 2 *c*. Ditto, spines of (*a'*, *b'*), $\times 30$.
 - 2 *d*. Ditto, a single spine (*c'*), $\times 30$.

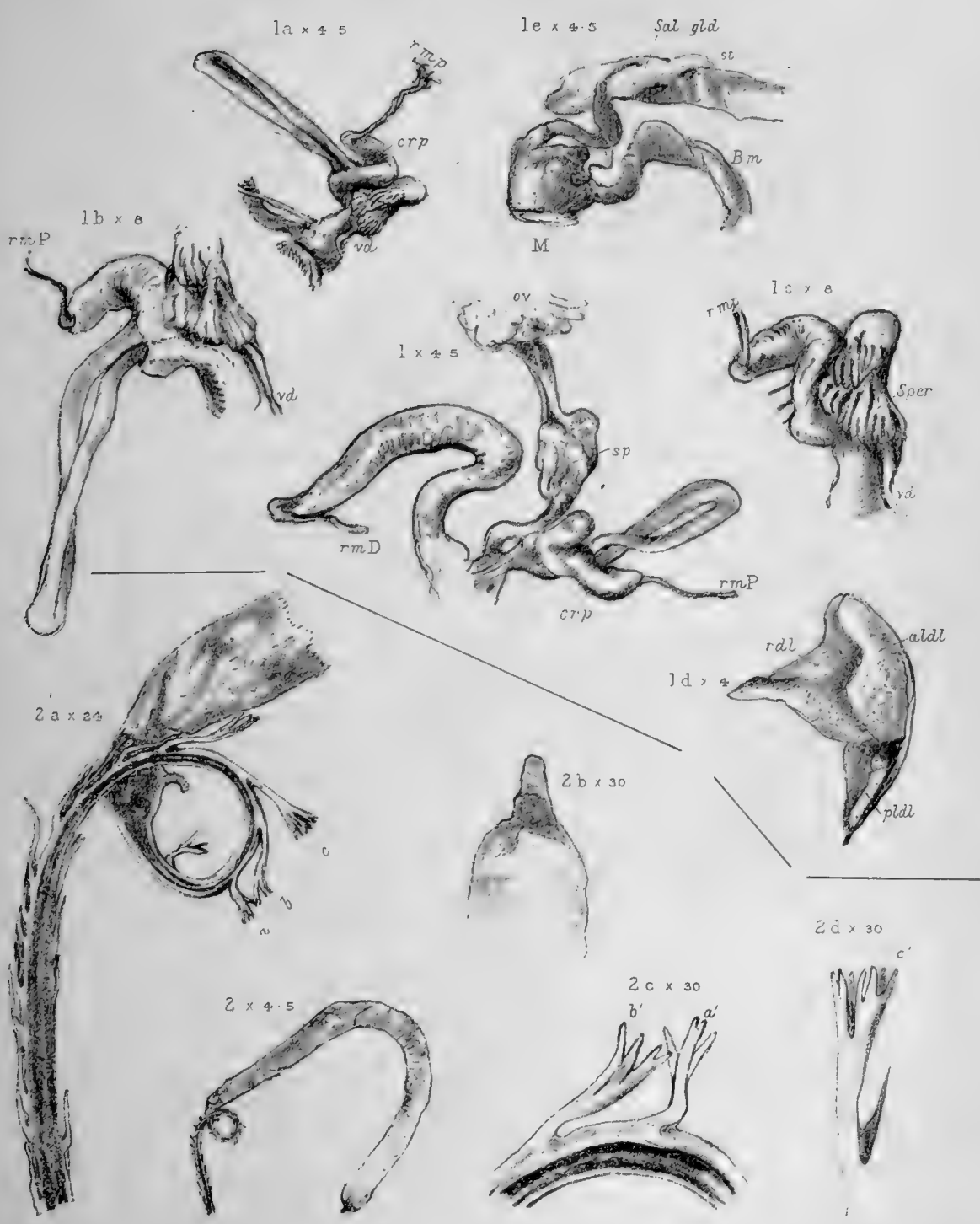


PLATE LXXXVIII.

[Part IX.—November 1899.]

GIRASIA HOOKERI, Gray, var. SHILLONGENSIS, G.-A. Khasi Hills.

- Fig. 1. Spermatophore (=fig. 8, pl. xxvii. P. Z. S. 1880), $\times 4$.
1 *a*. Ditto, basal fronds (=fig. 8 *a*, pl. xxvii. P. Z. S. 1880), $\times 20$.
1 *b*. Ditto, ditto (=fig. 8 *b*, pl. xxvii. P. Z. S. 1880), $\times 50$.
1 *c*. Underside of foot, showing the segmentation of the mass (=fig. 5, pl. xxvii. P. Z. S. 1880).

GIRASIA HOOKERI, Gray. Khasi Hills.

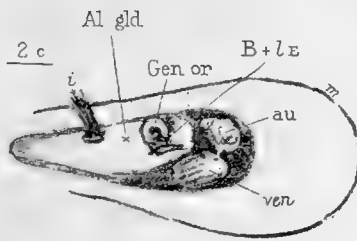
- Fig. 2. Side view of animal showing the main retractor muscles and site of their several attachments, nat. size.
2 *a*. Side view, showing same, nat. size.
2 *b*. View from beneath of upper wall of the body-cavity, showing the several muscle attachments, nat. size.
2 *c*. Ditto, showing position of heart, pulmonary cavity, &c., nat. size. *m*, edge of mantle.
2 *d*. Sole of foot, lower floor of body-cavity, with muscle attachment of buccal mass, *Bp*, nat. size.
2 *e*. The visceral sac, shell removed, viewed from above, $\times 2.5$.
2 *f*. The visceral cavity from above, showing convolutions of the intestine and position of adjacent organs, $\times 2.5$.
2 *g*. The stomach with salivary glands, nat. size.
2 *h*. The anterior end of the dart, $\times 4$.
2 *i*. Posterior bend of male organ with retractor-muscle attachment, $\times 2$.

B, Buccal mass; *Bcdm*, central dorsal muscle of buccal mass; *Brdm*, right dorsal muscle of same; *Bl dm*, left ditto; *B+l_e*, left eye-tentacle united with that of buccal mass; *Bp*, pedal and buccal mass; *D*, amatorial organ; *hd*, hermaphrodite-duct; *Al.gld*, albumen-gland; *i*, intestine; *a*, anus; *m*, mouth; *Sal.gld*, salivary gland; *Pul.cav*, pulmonary cavity; *r*, renal organ; *P+r_e*, right eye-tentacle united with that of the male organ; *l*, liver.

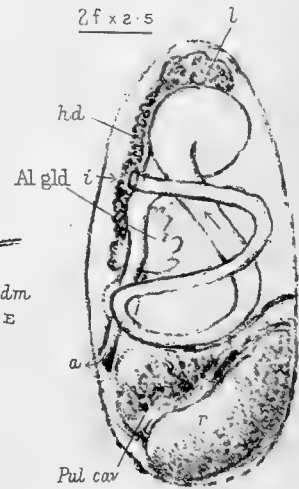


2e x 2.5

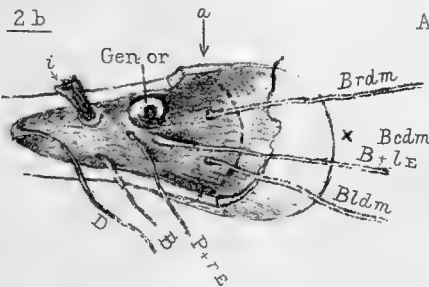
posterior side



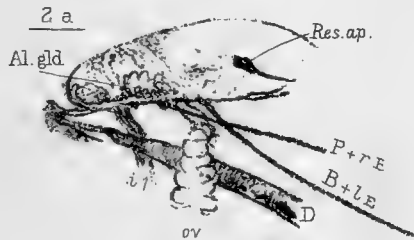
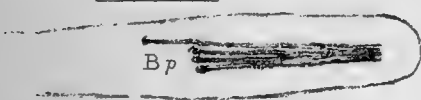
2f x 2.5



2g x nat size
Sal. gland



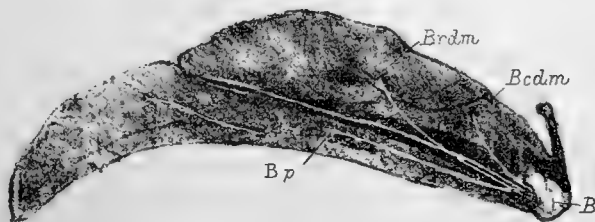
2d nat size



2h x 4



2. nat size.



1c

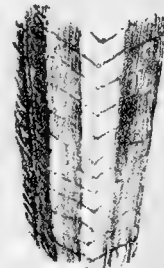


PLATE LXXXIX.

[Part IX.—November 1899.]

AUSTENIA GIGAS, small var. Khasi Hills.

- Fig. 1. Generative organs, side view, different parts in relative position (=fig. 1, pl. xxv. P. Z. S. 1880), × 2.
2. Ditto, viewed from above (=fig. 2, pl. xxv. P. Z. S. 1880), × 2.
3. Ditto, removed from the animal (=fig. 3, pl. xxv. P. Z. S. 1880), × 2.
4. Œsophagus, mucous gland, and anterior loop of the vas deferens showing position of (=fig. 4, pl. xxv. P. Z. S. 1880).
5. The amatorial organ cut open, exposing the muscular dart or rod, much enlarged (=fig. 7, pl. xxvi. P. Z. S. 1880).

Al.gd, albumen-gland; *Bcdm*, central dorsal muscle of buccal mass; (*Brd*)*m*, *m*(*Bld*), right and left dorsal muscle of same; *D*, dart-sac or amatorial organ; *rmD*, retractor muscle of same; *lEt*, left eye-tentacle; *H.ap*, hermaphrodite aperture; *rmP*, retractor muscle of penis or male organ; *Pa*, anterior end of same; *Pc*, posterior end of same; *Pd*, junction of vas deferens; *K*, cæcum calciferum or kalk-sac; *Sp*, spermatheca; *Sal.gld*, salivary gland; *Sal.dt*, salivary duct; *a* and *d*, minor ducts to the stomach; *st*, stomach; *i*, intestine; *vd*, vas deferens; *vag*, vagina; *ov*, oviduct; *mu.gd*, mucous gland; *m*, muscular band.

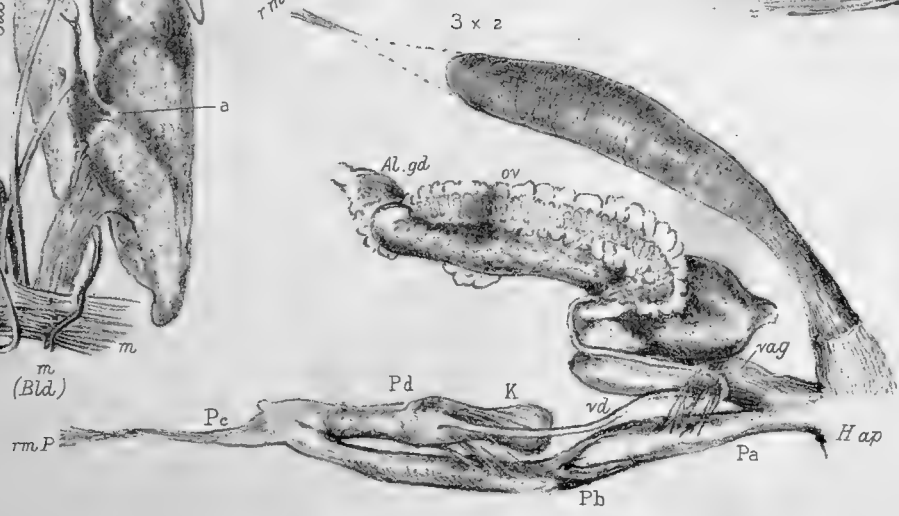
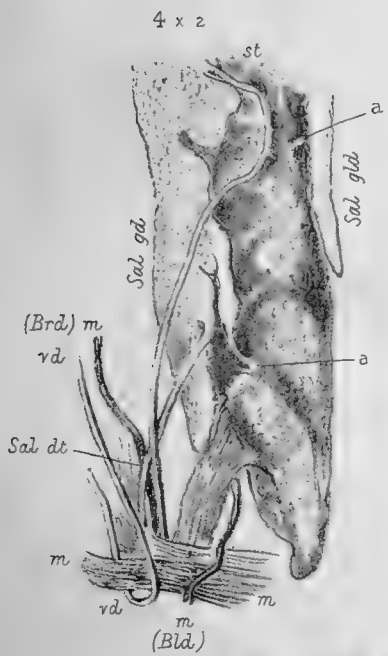
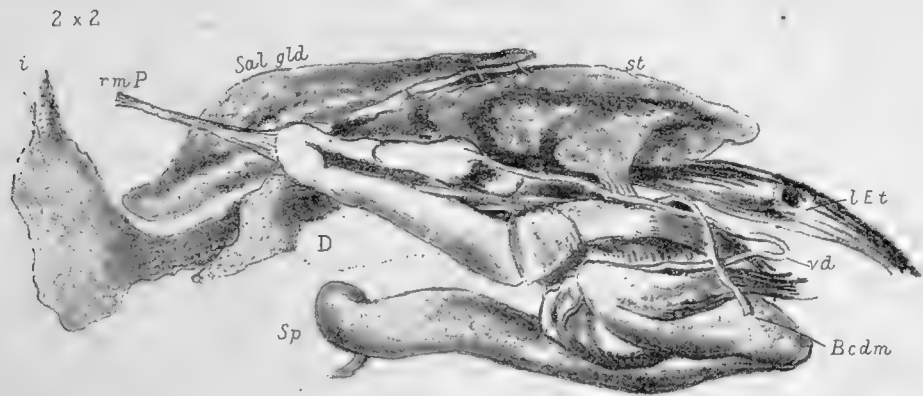
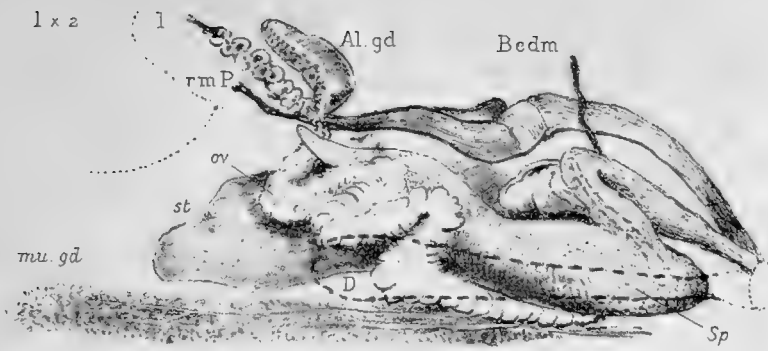


PLATE XC.

[Part IX.—November 1899.]

For a description of the anatomy, see Vol. I. pp. 229-232.

AUSTENIA GIGAS, Benson. Terai Ghat.

- Fig. 1. The male organ, showing the position *in situ* of the spermatophore in its passage outwards (=fig. 2, pl. xxvi. P. Z. S. 1880), × 3.
2. Ditto, showing capsule filled with spermatic coil (=fig. 3, pl. xxvi. P. Z. S. 1880), × 4.
3. Ditto, spermatophores in the spermatheca, × 4.

AUSTENIA GIGAS, small var. Khasi.

- Fig. 4. Broken portion of spermatophore, much enlarged (=fig. 6, pl. xxiv. P. Z. S. 1880).

AUSTENIA BUTTARI, G.-A. Naga Hills.

- Fig. 5. Shell (=fig. 9, pl. xxiv. P. Z. S. 1880), nat. size.
6. Shell-lobes and mantle-lobes (=fig. 1, pl. xxvi. P. Z. S. 1880).
7, 7 a. Teeth of radula (=fig. 10, pl. xxvii. P. Z. S. 1880), × 340.
8. Jaw (=fig. 9, pl. xxvii. P. Z. S. 1880), × 8.
9. Generative organs (=fig. 8, pl. xxvi. P. Z. S. 1880), nat. size.
10. Cervicorn spines of the spermatophore (=fig. 5, pl. xxvi. P. Z. S. 1880), × 20.

rmP, retractor muscle of the male organ; *vd*, vas deferens; *sp*, spermatheca (portion of the sac); *a*, *a'*, anterior end of male organ; *b*, base of capsule of spermatophore; *c*, junction of retractor muscle; *d*, junction of vas deferens; *e*, end of kalk-sac; *f.ov*, part of free oviduct; *rsl*, *lsl*, *ldl*, right and left shell- and dorsal lobes respectively.

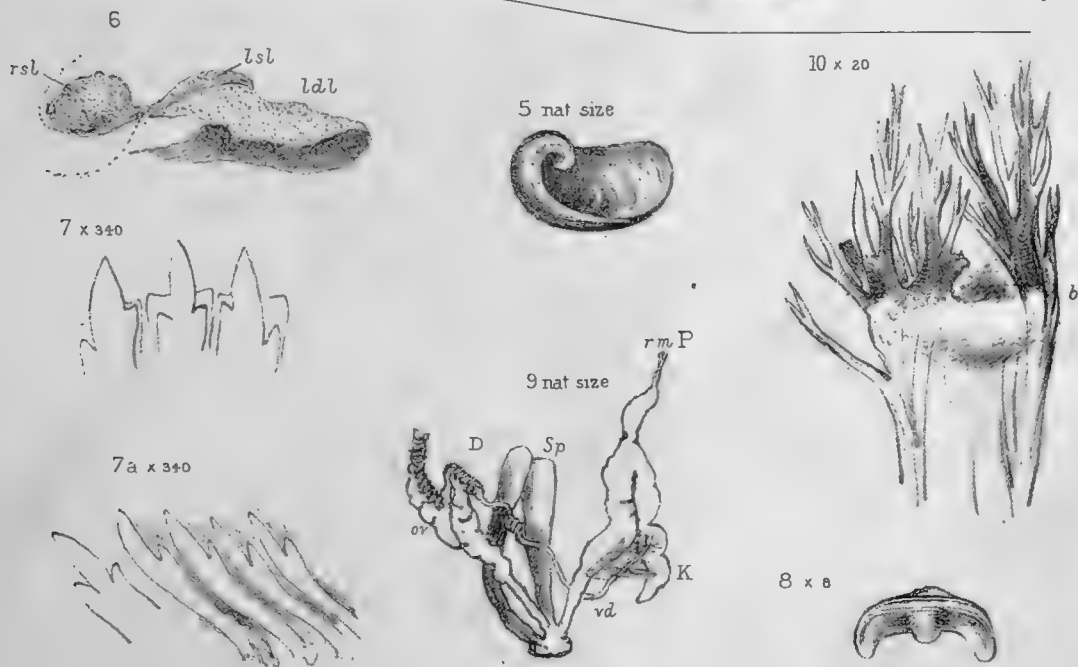
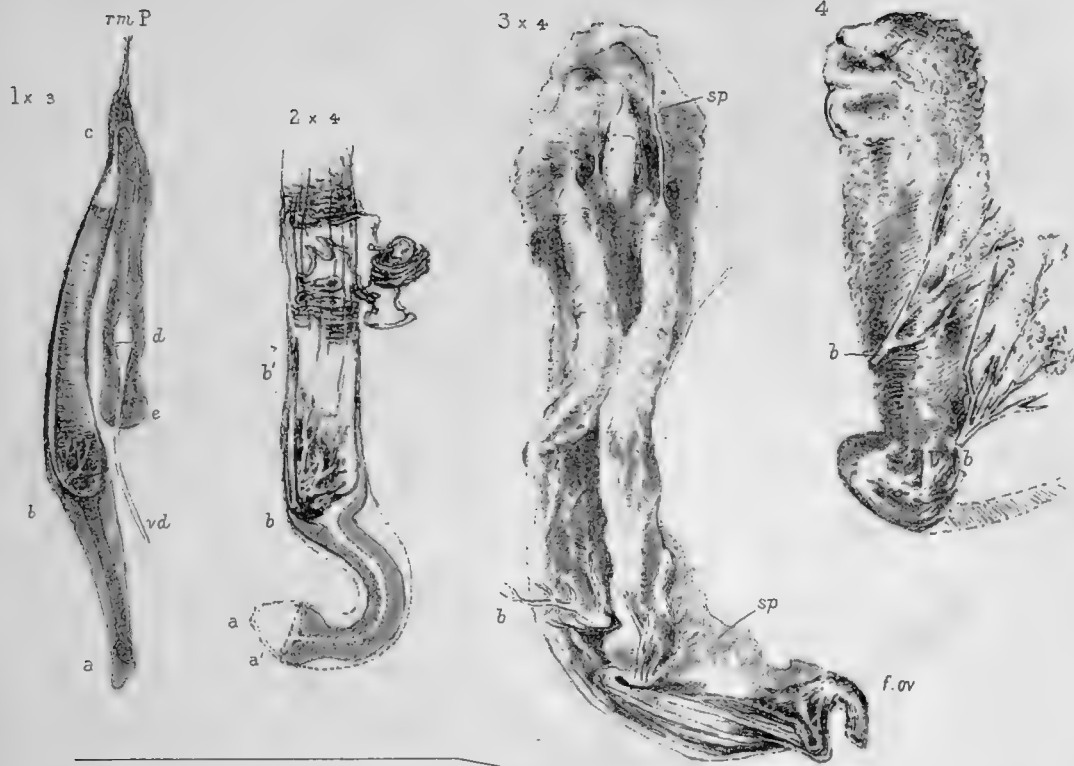




PLATE XCI.

[Part IX.—November 1899.]

AUSTENIA GURHWALENSIS, n. sp. Gurhwal.

- Fig. 1. Shell, front view, $\times 2\cdot4$.
1 *a.* Ditto, from above, $\times 2\cdot4$.
1 *b.* Sculpture of, on body-whorl, $\times 58$.
1 *c.* Jaw, $\times 8$.
1 *d.* Central teeth of radula, $\times 368$.
1 *e.* 22nd, 23rd, and 24th median teeth, $\times 368$.
1 *f.* 26th, 27th, and 28th lateral teeth, $\times 368$.
1 *g.* Outermost laterals, $\times 368$.
1 *h.* The amatorial organ, $\times 4$.

AUSTENIA PAURHIENSIS, n. sp. Gurhwal.

- Fig. 2. Shell, front view, $\times 2\cdot4$.
2 *a.* Ditto, from above, $\times 2\cdot4$.
2 *b.* Animal with shell removed, right side, showing mantle-lobes, $\times 4$.
2 *c.* Ditto, left side, showing mantle-lobes, $\times 4$.

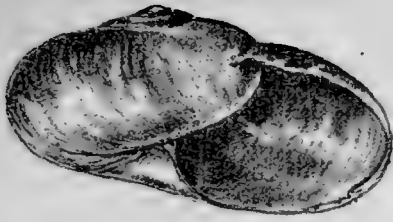
AUSTENIA SHANENSIS, n. sp. Shan States.

- Fig. 3. Shell, from above, $\times 2\cdot4$.
3 *a.* Ditto, from below, $\times 2\cdot4$.
3 *b.* Animal from right side, portion only well preserved, $\times 2$.
3 *c.* Spermatophores, $\times 8$.
3 *d.* Lateral teeth of radula, $\times 368$.
3 *e.* Outside laterals, $\times 368$.

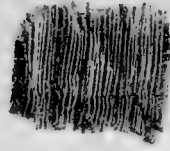
AUSTENIA PLANOSPIRA, Bs. Sikkim.

- Fig. 4. Anterior end of the amatorial organ, $\times 12$.

1 x 2.4



1b x 58



1a x 2.4



1h x 4



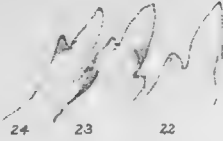
1c x 8



1f x 368



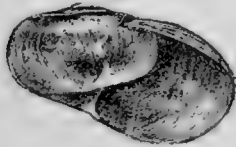
1e x 368



1d x 368



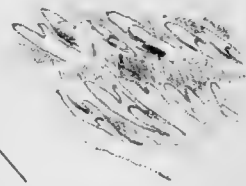
2 x 2.4



2a x 2.4



1g x 368



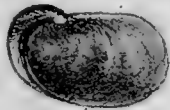
2b x 4



2c x 4



3a x 2.4



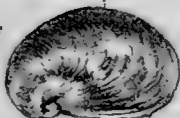
3c x 8



3e x 368



3 x 2.4



3d x 368



3b x 2



4 x 12

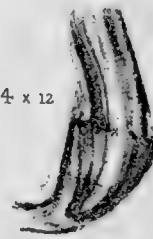


PLATE XCII.

[Part IX.—November 1899.]

MICROCYSTINA LITA, Sykes. Ceylon.

- Fig. 1. Shell, from type, $\times 8$.
1 *a.* Surface of shell, $\times 58$. *s*, suture.
1 *b.* The spiral of the whorls, $\times 4.5$.
1 *c.* The columellar margin and umbilical region, $\times 24$.

MICROCYSTINA LITA, juv. Ceylon.

- Fig. 2. Shell, $\times 8$.
2 *a.* Surface of shell, $\times 58$.
2 *b.* The spiral of the whorls, $\times 4.5$.
2 *c.* The umbilical region, showing columella, $\times 24$.

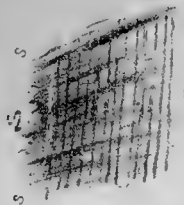
MICROCYSTINA PERFUCATA, Bs., var. BINTENNENSIS. Bintenne, Ceylon.

- Fig. 3. Shell, $\times 4.5$.
3 *a.* Surface of shell, $\times 58$.
3 *b.* The umbilicus and columellar margin, $\times 24$.
3 *c.* Animal, shell removed, showing foot and dorsal lobes, $\times 8$.
3 *d.* Right shell- and dorsal lobes, $\times 24$.
3 *e.* Left dorsal lobes, $\times 24$.
3 *f.* Side view of foot, $\times 12$.
3 *g.* The male organ, $\times 24$.
3 *h.* Ditto, under pressure in transmitted light, $\times 58$.
3 *i.* Buccal mass of intestine and salivary glands, $\times 12$.

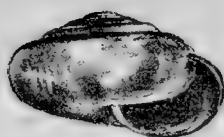
MICROCYSTINA PERFUCATA, Benson.

- Fig. 4. Columella, $\times 24$.

1 a x 58



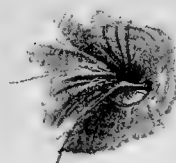
1 x 8



1 b x 4.5



1 c x 24



2 a x 58



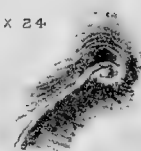
2 x 8



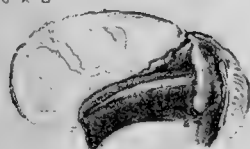
2 b x 4.5



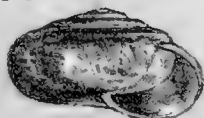
2 c x 24



3 c x 8



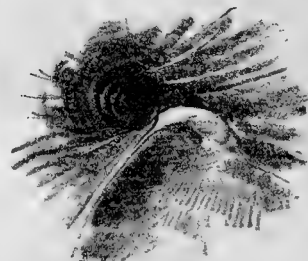
3 x 4.5



3 a x 58



3 b x 24

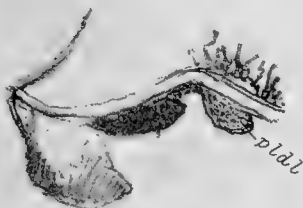


rmP

3 d x 24



3 e x 24



4 x 24



3 h x 58



3 g x 24



3 f x 12



3 i x 12



PLATE XCIII.

[Part IX.—November 1899.]

MARIELLA [=GIRASIA (DEKHANIA) of Vol. I.] DUSSUMIERI, Val. (black specimen). Mysore.

Fig. 1. Shell, from above, $\times 2.5$.

1 *a*. Generative organs, $\times 2.5$.

1 *b*. Spermatophore, $\times 4.5$.

1 *c*. Ditto, basal end, $\times 12.4$.

MARIELLA [=GIRASIA (DEKHANIA) of Vol. I.] DUSSUMIERI, Val. (a dark olivaceous-green specimen).

Fig. 2. . Animal, view of right side, $\times 2.4$.

2 *a*. Ditto, from above, $\times 2.4$.

2 *b*. Shell, $\times 2.5$.

2 *c*. Ditto, $\times 4.5$.

MICROCYSTIS? AMBÆ, n. sp. Ceylon.

Fig. 3. Shell, front view, $\times 12$.

3 *a*. Ditto, from above, $\times 8$.

3 *b*. Sculpture, $\times 58$.

3 *c*. Head of animal *, $\times 24$.

3 *d*. Extremity of foot †, $\times 24$.

3 *e*. Teeth of radula, $\times 368$.

3 *f*. Embryonic shells in the uterus; $\times 12$.

3 *g*. Ditto, one enlarged, $\times 24$.

3 *h*. An embryo, showing stage of development, $\times 58$. *a*, ? anal aperture; *Res.ap*,
? the respiratory ditto.

KALIELLA DELECTABILIS, Sykes. Ceylon.

Fig. 4. Sculpture, $\times 58$.

* Eye-bearing tentacles decayed.

† State of preservation did not admit of seeing any mucous gland.

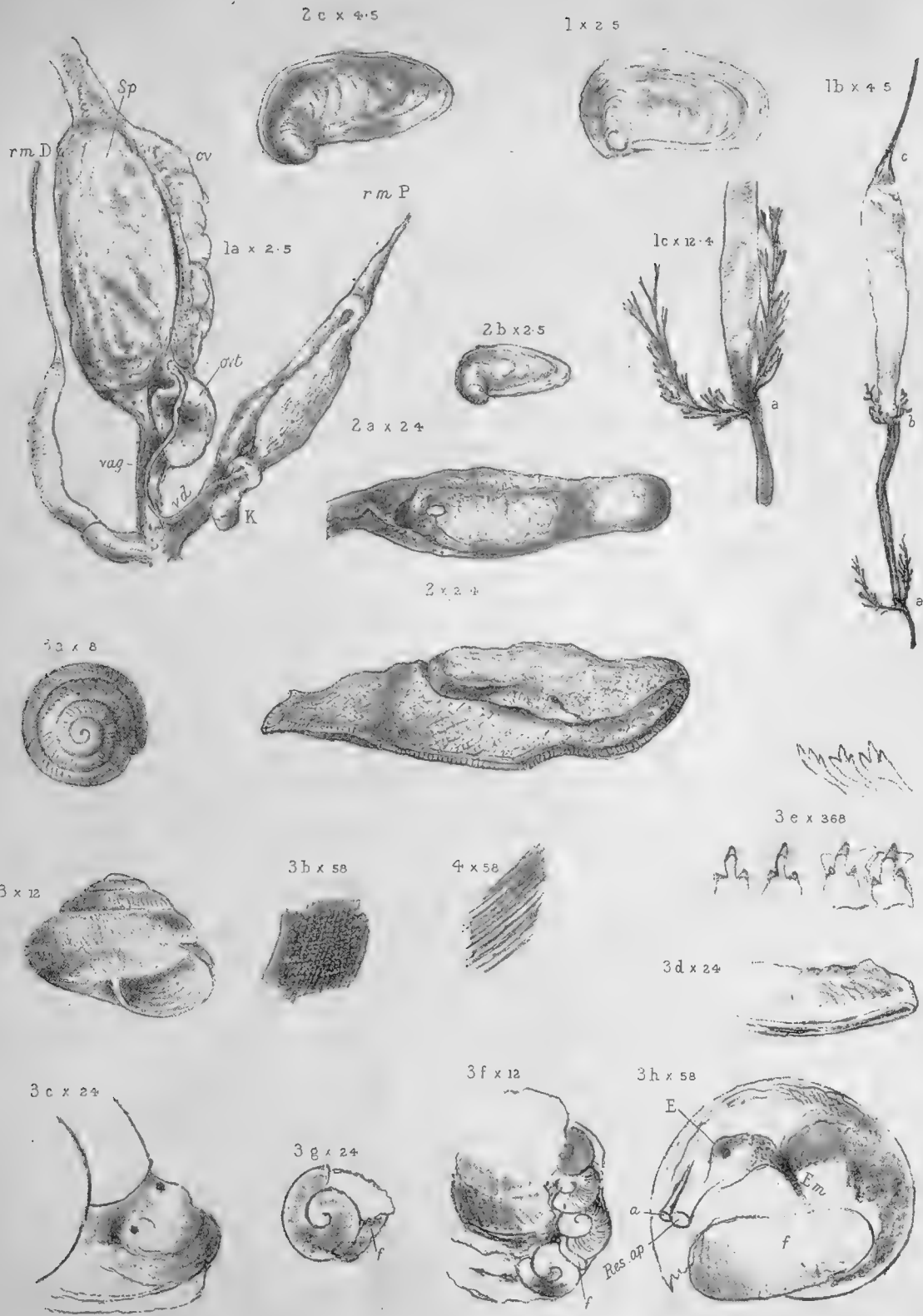


PLATE XCIV.

[Part IX.—*November* 1899.]

- Fig. 1. *MACROCHLAMYS UDUS*, n. sp.: spermatophore, much enlarged. Burreil Range, Assam.
2. *MACROCHLAMYS LECYTHIS*, Bs.: spermatophore, much enlarged. Cherra Poongee, Khasi Hills.
- 2 *a*. Ditto: the capsule of the spermatophore, less enlarged.
3. *MACROCHLAMYS?* *TERMINUS*, n. sp.: spermatophore, $\times 52$. Brahmakund, Assam.
- 3 *a*. Ditto: ditto, $\times 20$.
4. *MACROCHLAMYS LECYTHIS*, part of a spermatophore, much enlarged. Naga Hills.

[The shells of Nos. 1, 2, and 3 will be figured in a future Part.]

NILGIRIA TRANQUEBARICA, Fabr. Madras.

- Fig. 5. View of the side of the kalk-sac, showing position of the spikelets, $\times 12.5$.
- 5 *a*. View of inner end.
- 5 *b*. Showing the capsule.
- 5 *c*. The same under slight pressure, showing the capsule and flume; spikelets on the other side.
- 5 *d*. View of the reverse side, to show junction of the vas deferens; the spikelets just indicated on the surface.
- 5 *e*. The same under slight pressure and in strong light, showing the flume and its spines.

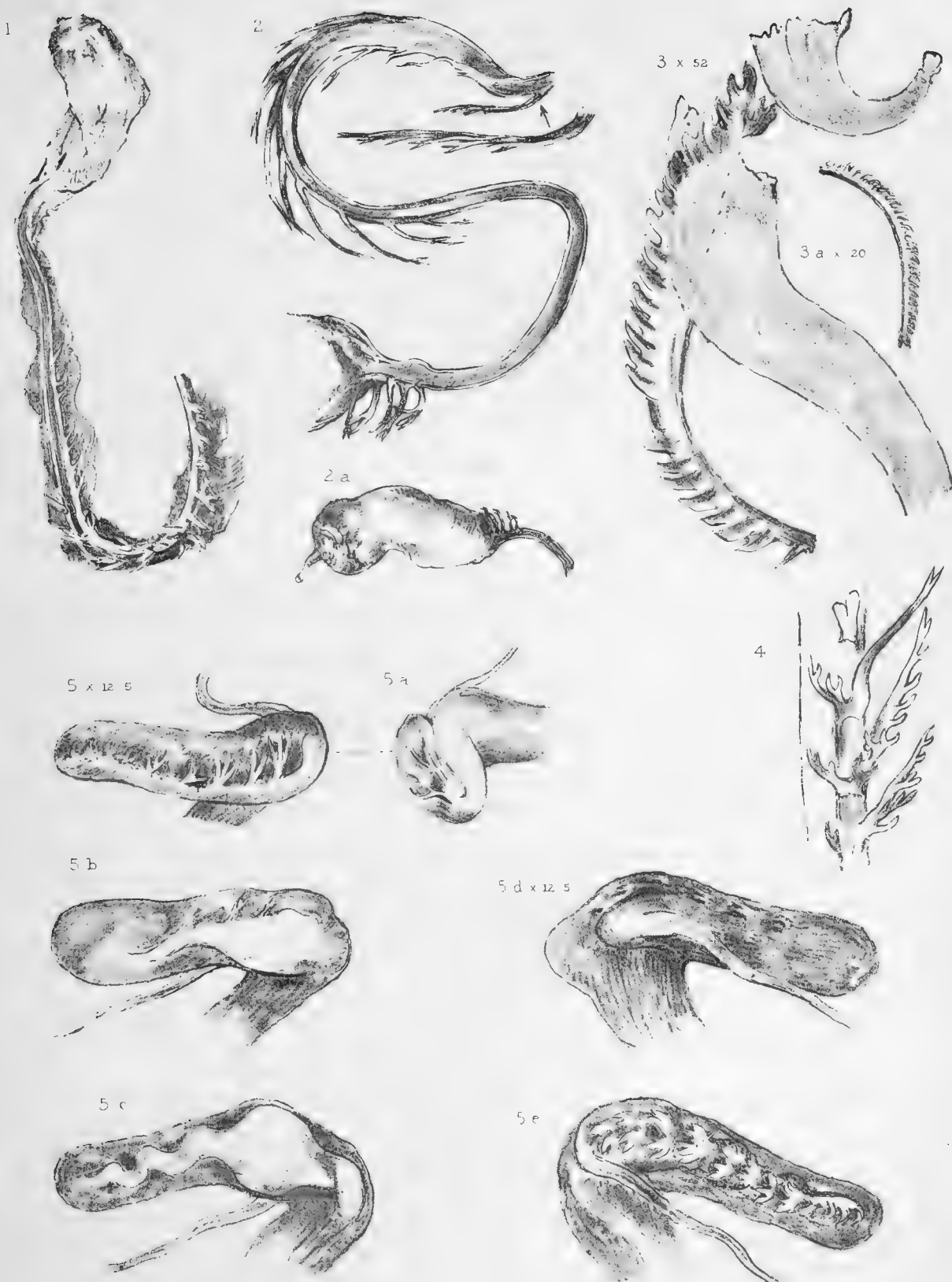




PLATE XCV.

[Part IX.—*November 1899.*]

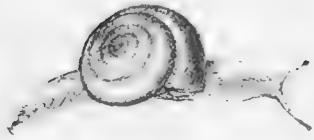
BENSONIA JACQUEMONTI, var. KURRAMENSIS, G.-A. Kurram Valley, N.W. Frontier.

- Fig. 1. Animal, drawn from life, nat. size.
1 *a.* Ditto, ditto, from left side.
1 *b.* Extremity of foot showing mucous gland, from life, enlarged.
1 *c.* Ditto, side view, enlarged.
1 *d.* Dorsal lobes, as seen removed from the animal, $\times 4$.
1 *e.* Male organ, $\times 8$.
1 *f.* Spermatheca, oviduct, &c., $\times 8$.
1 *g.* Amatorial organ, $\times 8$.
1 *h.* Outermost teeth of the radula, $\times 360$.
1 *i.* Shell, $\times 1.6$.

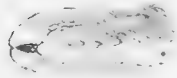
BENSONIA WYNNEI, W. T. Blf.

- | | | |
|---------------------|---------------------------------|---------------------------|
| Fig. 2, 2 <i>a.</i> | $\times 1.5$ and $\times 1.2$. | Cherat, Kuttak Hills. |
| 2 <i>b.</i> | Nat. size. | Ditto. |
| 3. | $\times 2.2$. | Typical locality, Murrec. |
| 3 <i>a.</i> | Nat. size. | Ditto. |

1 nat. size



1b enlarged



1a nat. size



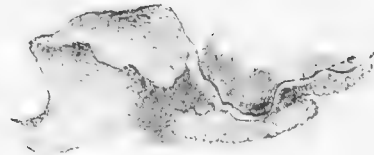
1c x 4



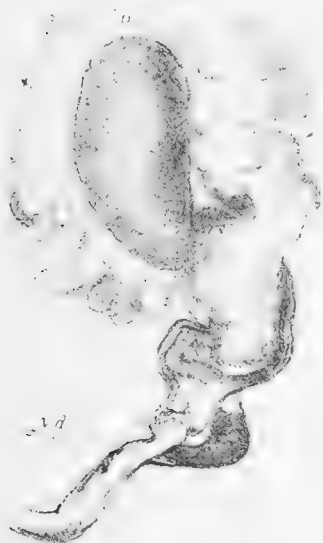
1d x 6



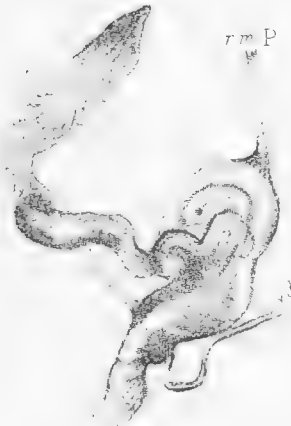
1e x 1



1f x 6



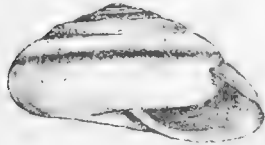
1g x 6



1h x 6



2a x 1



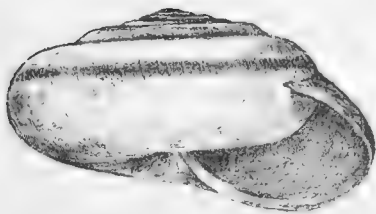
2a x 1



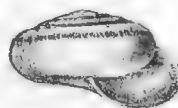
1b x 300



3 x 2 2



2a nat size



2 b. nat size







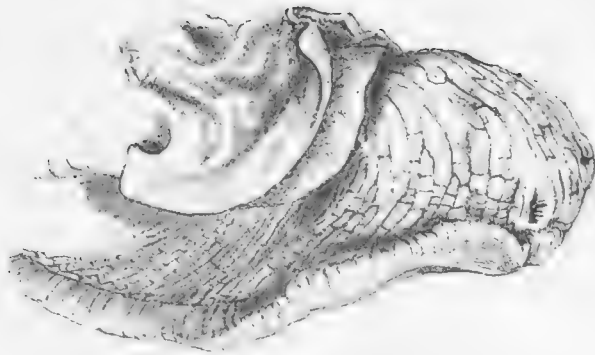
PLATE XCVI.

[Part IX.—*November* 1899.]

NILGIRIA CHENUI, Pfr. Ceylon.

- Fig. 1. Anterior part of animal, from right side, showing mantle-lobes and dermal channels, $\times 2\cdot3$.
2. Ditto, from the right side, $\times 2\cdot3$.
3. Extremity of foot, side view, $\times 2\cdot3$.
4. Ditto, viewed from behind, showing mucous pore, $\times 2\cdot3$.
5. Generative organs, nat. size.
6. Male organs, $\times 2$.
7. Ditto, $\times 4\cdot5$.
8. Central teeth of the odontophore, $\times 196$.
- 8 *a*. Median teeth of ditto (20th to 25th), $\times 196$.
- 8 *b*. Lateral teeth, $\times 196$.
- 8 *c*. Outermost laterals, $\times 196$.
9. Jaw, $\times 8$.

1 x 2 3



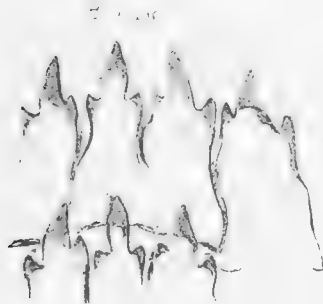
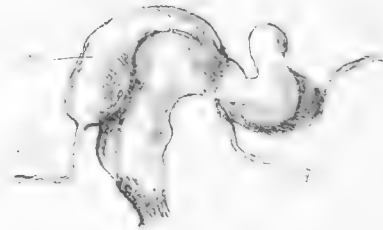
4 x 2 3



5 x 2 3



6 x 2 3
S. rat. line



8 x 2 3



9 x 2 3



10 x 2 3

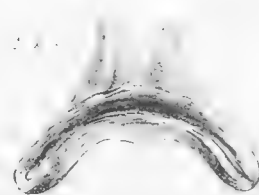
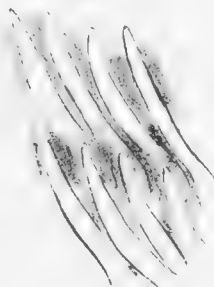




PLATE XCVII.

[Part IX.—November 1899.]

EUPLECTA BINOYAENSIS, n. sp. Ceylon.

Fig. 1. Shell, $\times 4.5$.

1 a. Sculpture of last whorl near suture, $\times 58$.

1 b. Portion of generative organs, showing spermatheca in process of formation,
 $\times 12.5$.

1 c. Spermatophore, $\times 24$.

1 d. Amatorial organ, $\times 12.5$.

EUPLECTA SEMIDECUSSATA, Pfr. Ceylon.

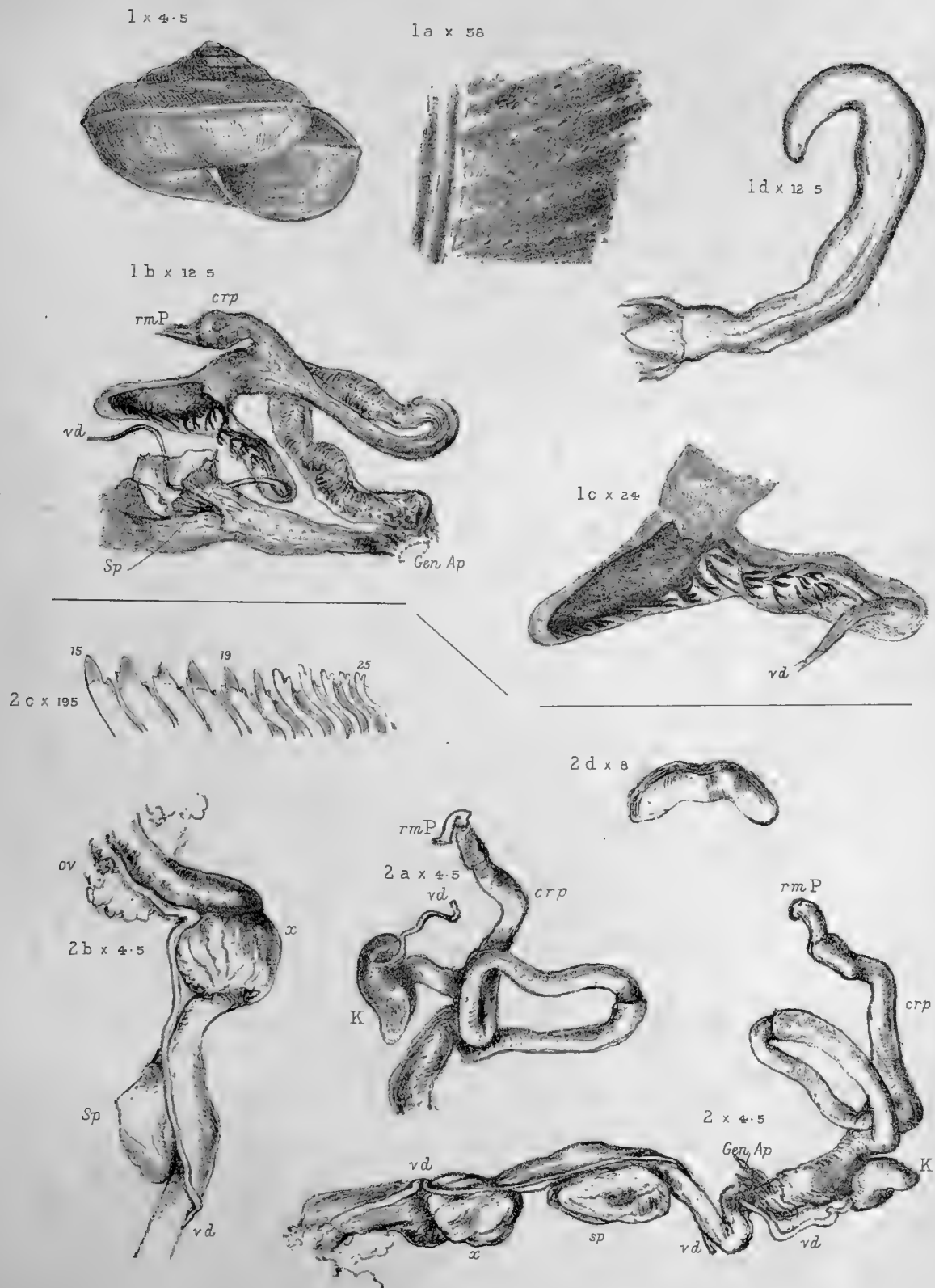
Fig. 2. Portion of generative organs, $\times 4.5$.

2 a. The male organ from another side, $\times 4.5$.

2 b. Part of the genitalia. *x*, ovitheca.

2 c. Odontophore, transition teeth and first laterals, $\times 195$.

2 d. Jaw, $\times 8$.





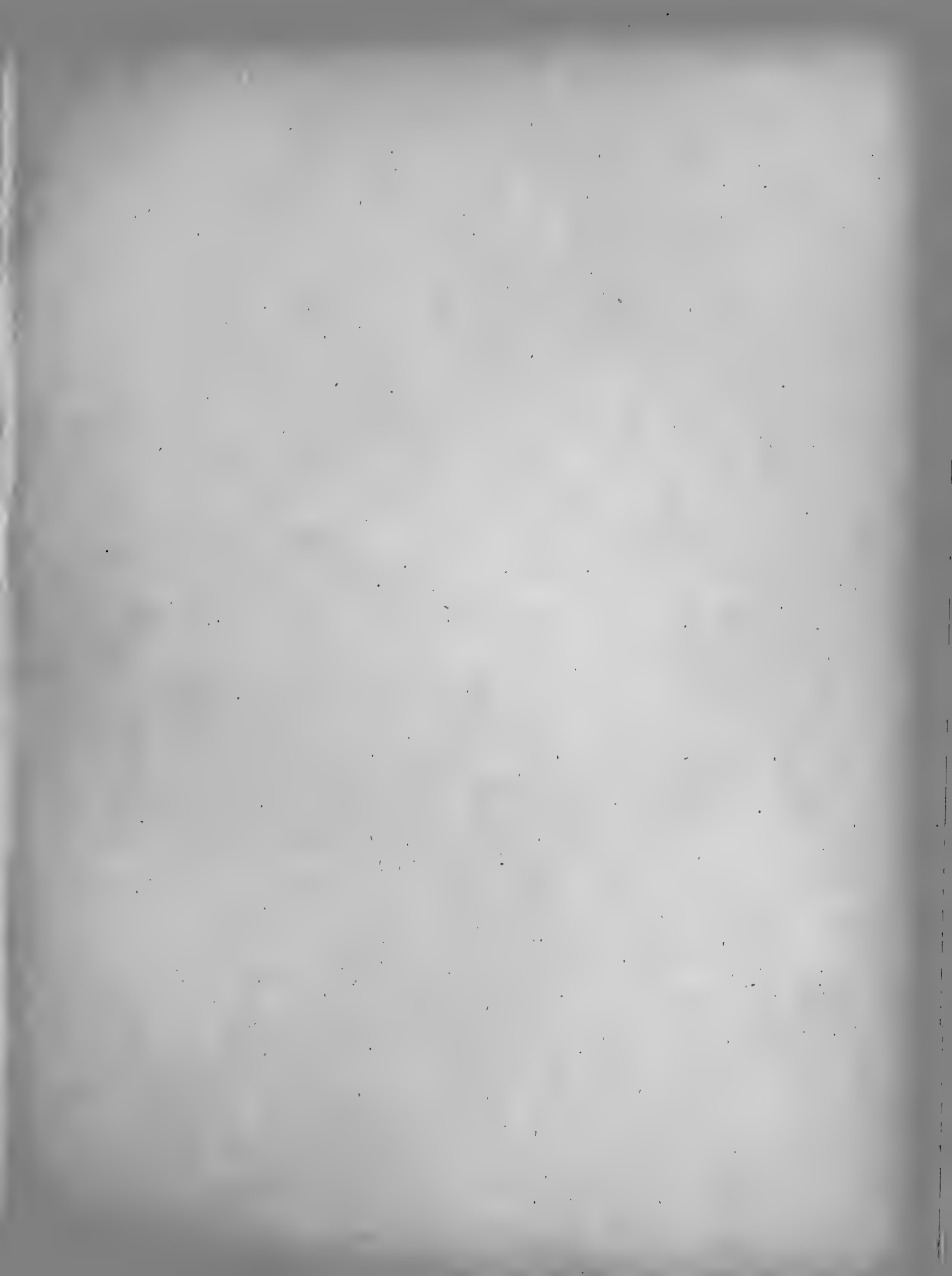


PLATE XCVIII.

[Part IX.—November 1899.]

NILGIRIA LIGULATA, Férussac. Madras.

- Fig. 1. Animal, view of right side, $\times 2$.
1 *a*. Right side of mantle-zone, with right dorsal lobe, $\times 4\cdot5$. *rec*, rectum.
1 *b*. The mantle-zone, with right and left dorsal lobes, $\times 4\cdot5$.
1 *c*. Genitalia, $\times 4\cdot5$. *ot*, ovithecæ.
1 *d*. Sculpture of shell on penultimate whorl, $\times 4\cdot5$.

NILGIRIA TRANQUEBARICA, Fabr. Madras.

- Fig. 2. Oblique cut through the ovithecæ, showing internal rugæ, $\times 12\cdot5$.
2 *a*. Same above the cut, $\times 12\cdot5$.
2 *b*. Sculpture of shell on last and penultimate whorls, $\times 4\cdot5$.

NILGIRIA CHENUI, Pfr. Ceylon.

- Fig. 3. Sculpture of shell 22 mm. behind the aperture, $\times 4\cdot5$.

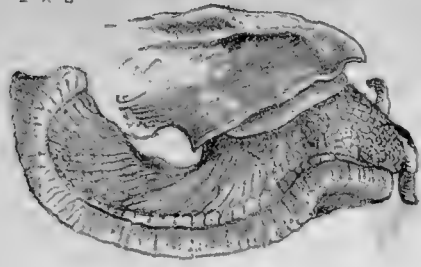
ARIOPHANTA DALYI, W. T. Blf., subsp. (*A. cysis*, var.) Mysore.

- Fig. 4. Genitalia, $\times 4\cdot5$.

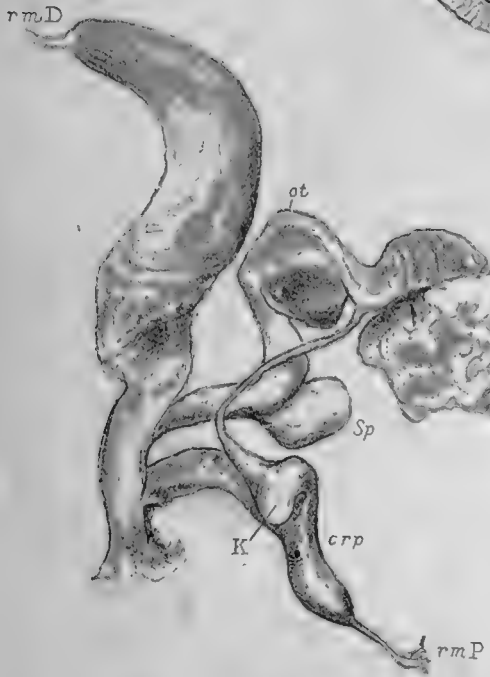
EUPLECTA SEMIDECUSSATA, Pfr. Ceylon.

- Fig. 5. Sculpture of shell, last whorl, $\times 8$.

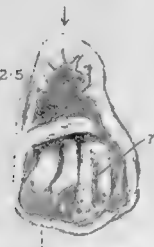
1 x a



4 x 4.5



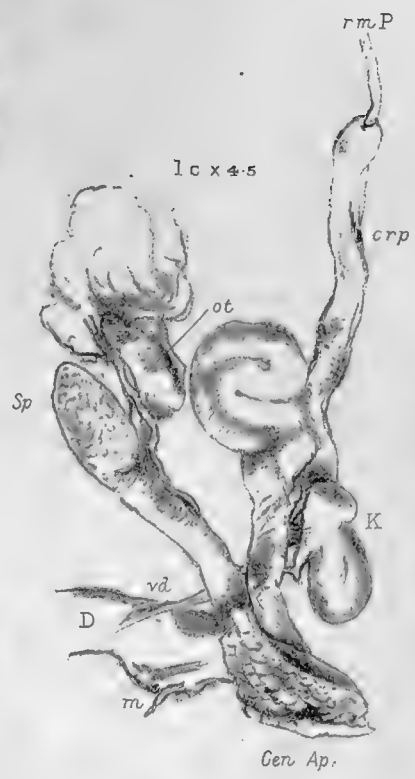
2 a x 12.5



2 x 12.5



1 c x 4.5



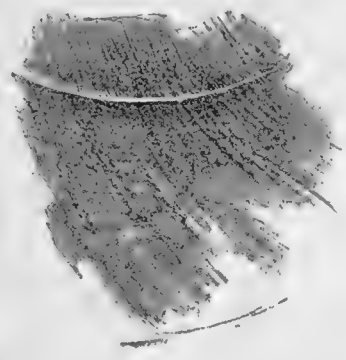
1 a x 4.5



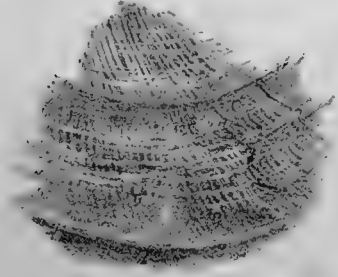
1 b x 4.5



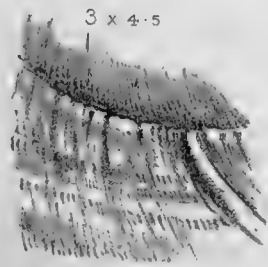
5 x a



1 d x 4.5



3 x 4.5



2 b x 4.5

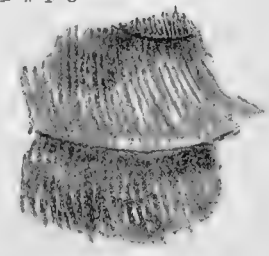


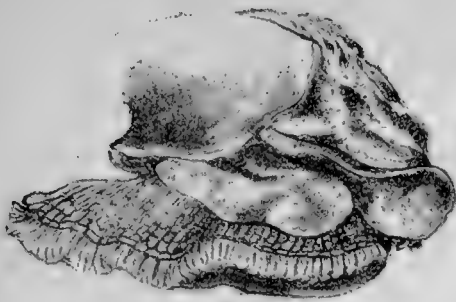
PLATE XCIX.

[Part IX.—*November 1899.*]

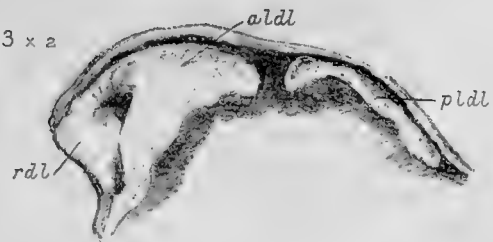
HAUGHTONIA CONFERTA, Pfr.

- Fig. 1. The animal, viewed from the right side, $\times 2.2$.
2. The mucous pore, seen from behind, $\times 8$.
3. The mantle-edge and dorsal lobes, detached, $\times 2$.
4. The mantle-edge in vicinity of the respiratory aperture, showing the rudimentary right shell-lobe, $\times 9$.
5. Genitalia, $\times 2.5$.
- 5 *a.* The male organ, from two different sides, $\times 4.5$.
- 5 *b.* Ditto, with lower muscular sheath cut open, $\times 8$.
6. The centre teeth of the radula, $\times 365$.
- 6 *a.* The median at the 20th tooth to the 25th lateral, $\times 365$.
- 6 *b.* The outermost laterals, $\times 365$.
7. The jaw, $\times 8$.
8. Sculpture of the shell, $\times 24$.

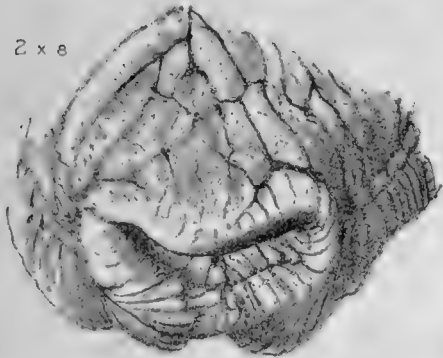
1 x 2.2



3 x 2



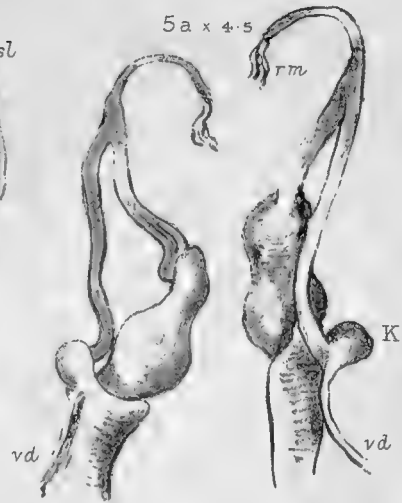
2 x 8



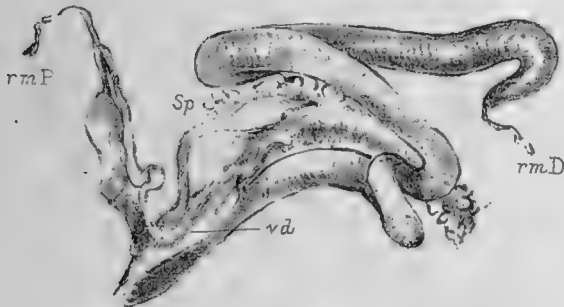
4 x 9



5 a x 4.5



5 x 2.5



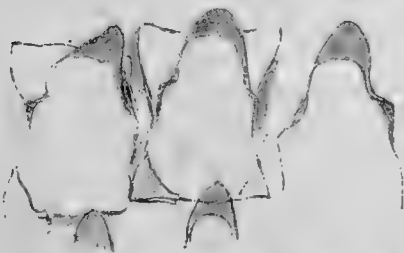
5 b x 8



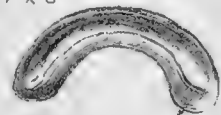
8 x 24



6 x 365



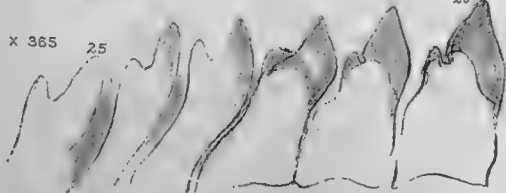
7 x 8



6 a x 365

25

20



6 b x 365





PLATE C.

[Part IX.—*November* 1899.]

KHASIELLA VIDUA, W. T. Blf. Manipur Hills.

Fig. 1. Animal, from the right side, mantle-zone removed, $\times 4.5$. *i*, intestine;
b, integument covering branchial chamber.

1 *a*. Extremity of the foot, $\times 4.5$.

1 *b*. Mantle-zone removed, showing right and dorsal shell-lobes, $\times 8$.

1 *c*. Ditto, showing the left shell- and dorsal lobes, $\times 8$.

2. Shell, $\times 3$.

2 *a*. Portion of shell, to show the costulation, $\times 8$.

3. Genitalia, $\times 4.5$.

3 *a*. The cæcum of the male organ, $\times 8$.

4. Jaw, $\times 24$.

5. Centre tooth and adjacent medians, $\times 365$.

5 *a*. 14th to 19th teeth, $\times 365$.

5 *b*. 20th to 23rd lateral teeth, $\times 365$.

5 *c*. Ditto, $\times 365$.

5 *d*. Outermost or marginal teeth, $\times 365$.





PLATE CL.

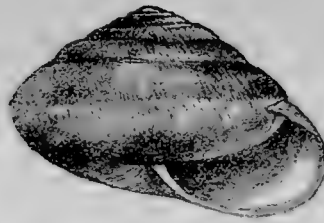
[Part X.—*April* 1907.]

BENSONIA CAMURA, BENSON. Sikkim.

- Fig. 1. Shell, natural size.
1 *a.* Ditto, × 2·5.
2. Mantle-edge and right dorsal lobe, × 2·5.
3. Extremity of foot, × 8.
4. Mantle-edge and anterior part of visceral sac, × 4·5.
5. Genitalia, removed from the animal, × 4·5.
5 *a.* Ditto, seen from right side before removal, × 4·5.
5 *b.* Ditto, seen from left side before removal, × 4·5.
6. Jaw, × 12.
7. Radula, part of, × 368.

cæ, cæcum; *rec*, rectum; *r.o*, renal organ; *ov*, oviduct; *P*, penis; *v.d*, vas deferens; *k*, kalk-sac; *sp*, spermatheca; *D*, amatorial organ or dart-sac; *rmP*, *rmD*, retractor muscles of penis and dart-sac.

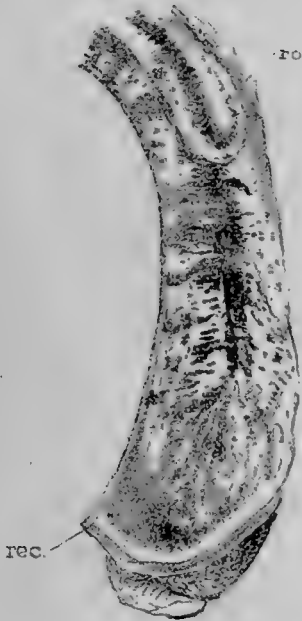
1a x 2.5



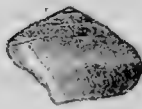
2 x 2.5



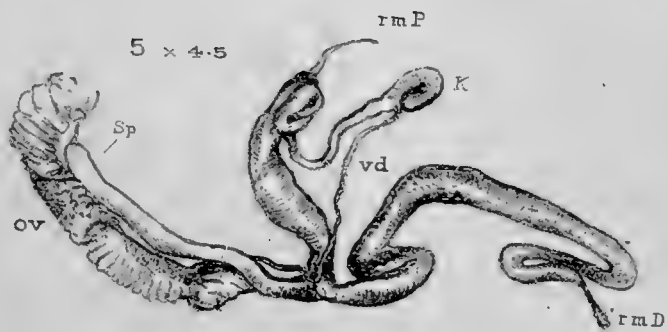
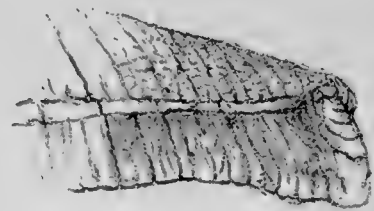
4 x 4.5



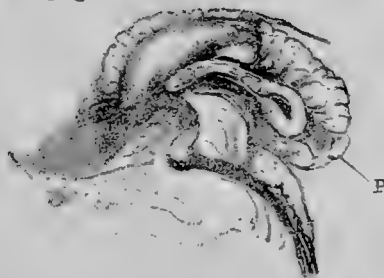
1. nat. size.



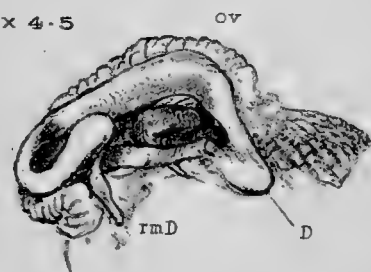
3 x 8



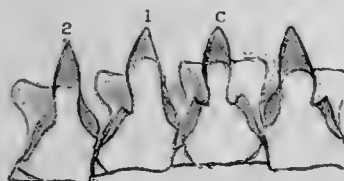
5b x 4.5



5a x 4.5



7 x 368



6 x 12



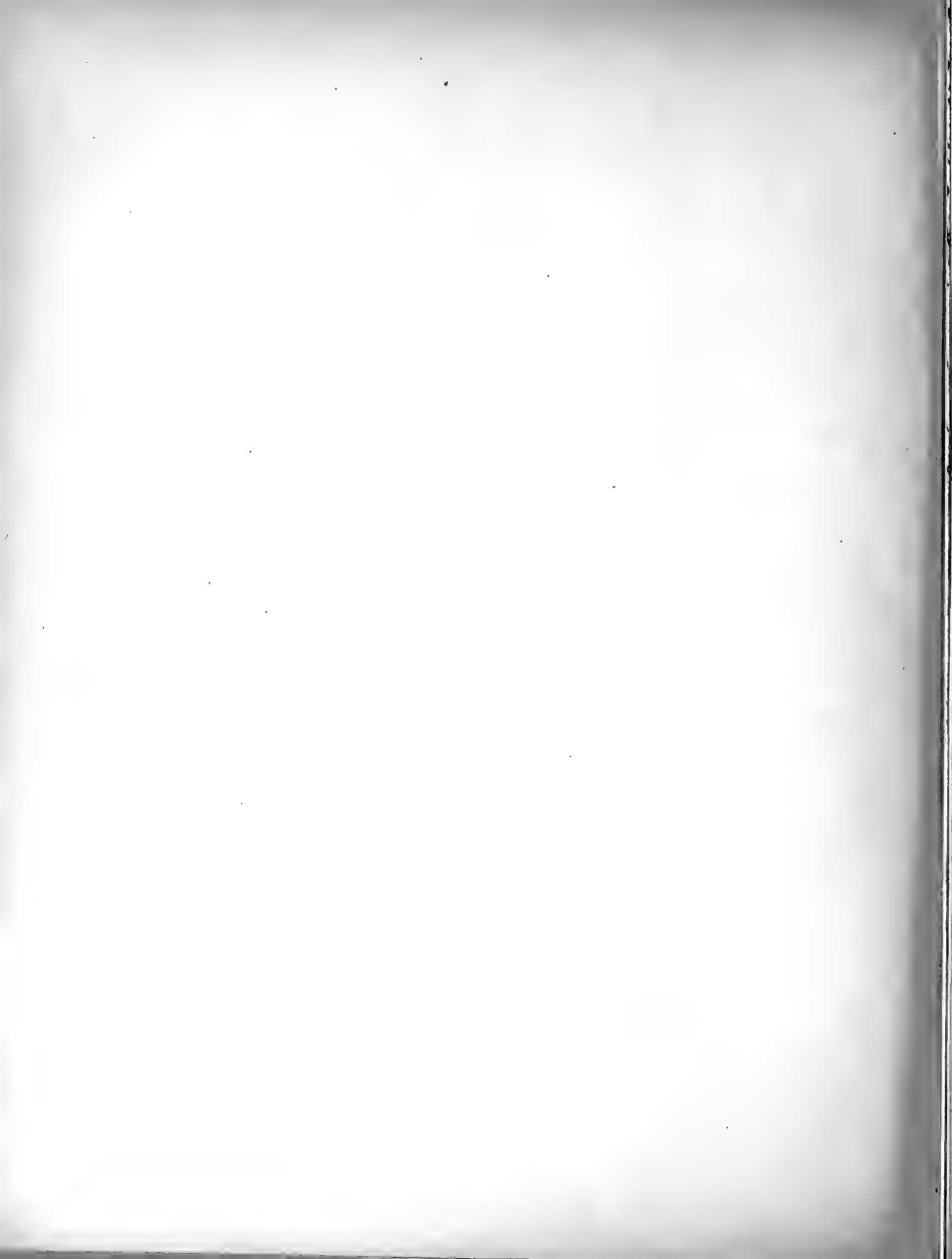




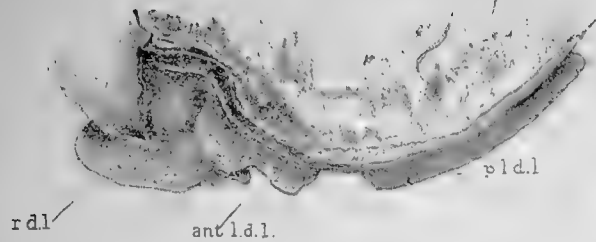
PLATE CII.

[Part X.—*April* 1907.]

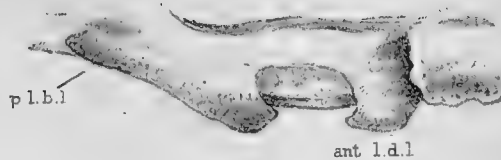
DALINGIA BHUTANENSIS, n. sp. Bhutan Hills.

- Fig. 1. Shell, natural size.
1 *a.* Ditto, front view, $\times 2.5$.
2. Mantle-edge, showing dorsal lobes seen from above, $\times 4.5$.
2 *a.* Ditto, showing dorsal lobes viewed from below, $\times 4.5$.
3. Portion of peripodial margin of the foot, $\times 8$.
4. Generative organs, $\times 4.5$.
4 *a.* Ditto, male organ, reverse side, $\times 4.5$.
4 *b.* Ditto, albumen-gland &c., $\times 4.5$.
5. Jaw, $\times 12$.
6. Teeth of the radula at different parts of the row, $\times 368$.

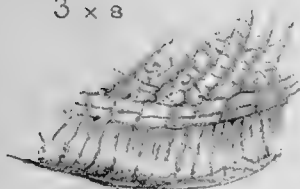
2 x 4.5



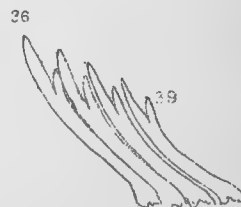
2 d x 4.5



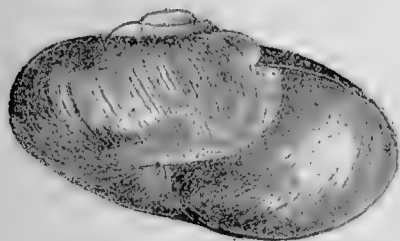
3 x 8



6 x 368



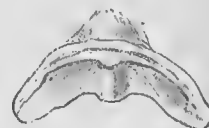
1a x 2.5



1 nat size



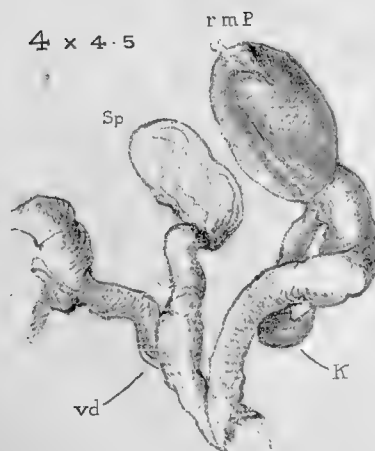
5 x 12



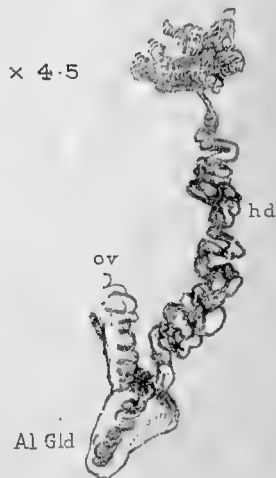
4 a x 4.5



4 x 4.5



4 b x 4.5



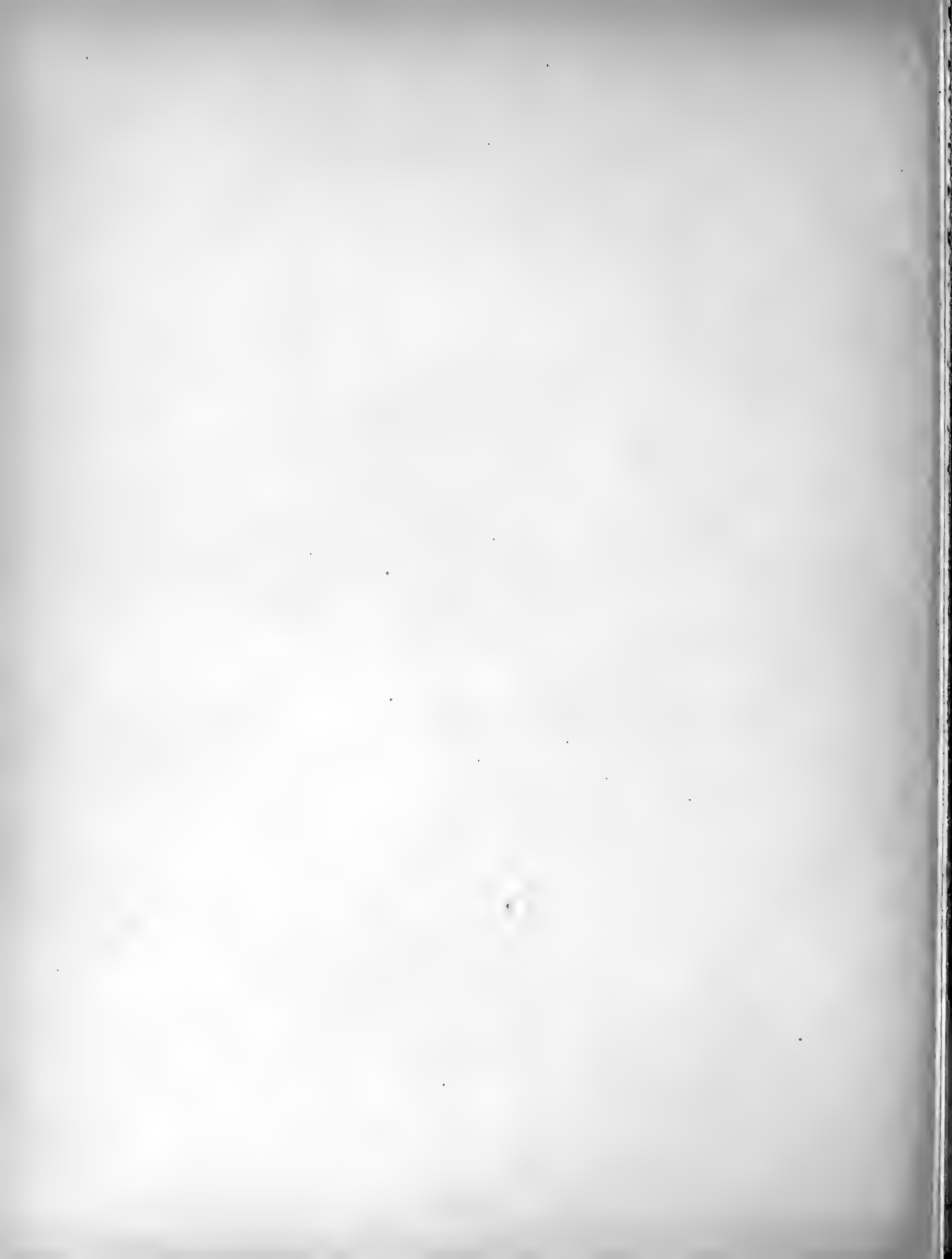


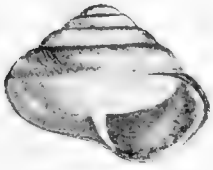


PLATE CIII.

[Part X.—*April* 1907.]

Fig. 1.	RAHULA MACROPLEURIS, Bs., × 4.5.	Sikkim.
2.	KALIELLA RICHILAENSIS, n. sp., × 8.	Ditto.
2 a.	— —, var., × 8.	
2 b.	— —, sculpture of shell, fig. 2, × 58.	
3.	— FLATURA, G.-A., × 8.	Ditto.
4.	— SIKKIMENSIS, G.-A., Nevill MS., × 8.	Ditto.
5.	— SHILLONGENSIS, n. sp., × 8.	Khasi Hills.
6.	— FASTIGATA, n. sp., × 8.	Sikkim.
7, 7 a.	— BHUTANENSIS, n. sp., × 12.	Bhutan.
8.	— JAINTIACA, G.-A., × 8.	Jaintia Hills.
8 a.	— —, sculpture, × 58.	N. Cachar Hills.
9.	— RISSOMENSIS, n. sp., × 8.	Bhutan.
9 a.	— —, sculpture, × 58.	
10.	— PAUCISTRIATA, n. sp., × 8.	Dafra Hills.
11.	— NAGAENSIS, G.-A., sculpture, × 58.	Naga Hills.
12.	— DAFLAENSIS, G.-A., sculpture, × 58.	Dafra Hills.

2 x 8



1 x 4.5



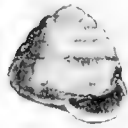
2a x 8



3 x 8



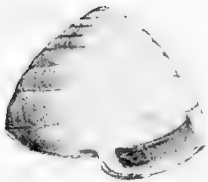
4 x 8



5 x 8



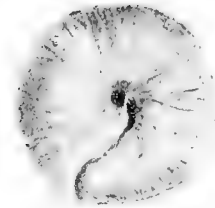
7 x 12



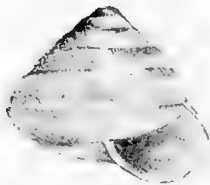
6 x 8



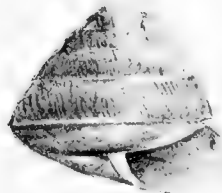
7a x 12



8 x 8



9 x 8



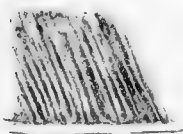
9a x 58



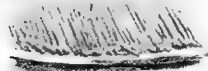
10 x 8



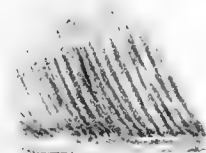
11 x 58



8a x 58



2b x 58



12 x 58





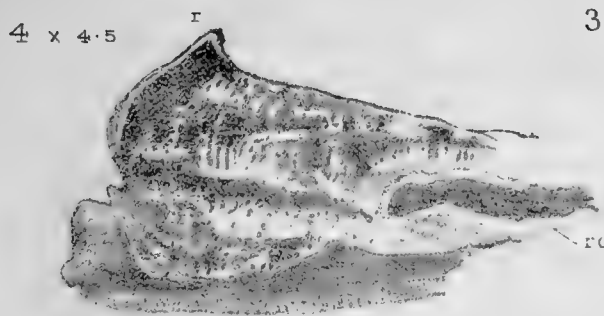


PLATE CIV.

[Part X.—*April* 1907.]

MACROCHLAMYS TUGURIUM, Benson. Sikkim.

- Fig. 1, 1 *a*. Shell, natural size.
1 *b*. Ditto, enlarged, $\times 2.5$.
2. Animal, with shell removed, to show right shell-lobe and visceral sac, $\times 1.5$.
3. Extremity of foot, $\times 8$.
4. Part of animal, showing mantle-edge, visceral sac, and character of its markings, $\times 4.5$.
5. Genitalia, $\times 4.5$.
5 *a*. Ditto of another specimen, penis and spermatheca, $\times 4.5$.
5 *b*. Ditto, male organ, reverse side, $\times 4.5$.
6. Jaw, $\times 12.5$.
7. Teeth of radula at various parts of a row, $\times 368$.



4 x 4.5

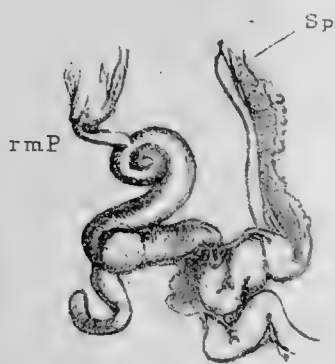
1sl

3 x 8



5 x 4.5

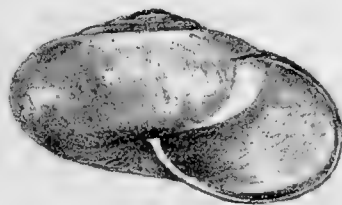
5a x 4.5



5b x 4.5



1b x 2.5



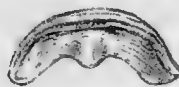
1 nat. Size



2 x 1.5



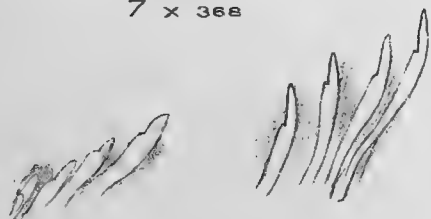
6 x 12.5



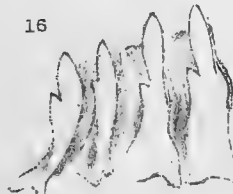
1a



7 x 36e



16



13





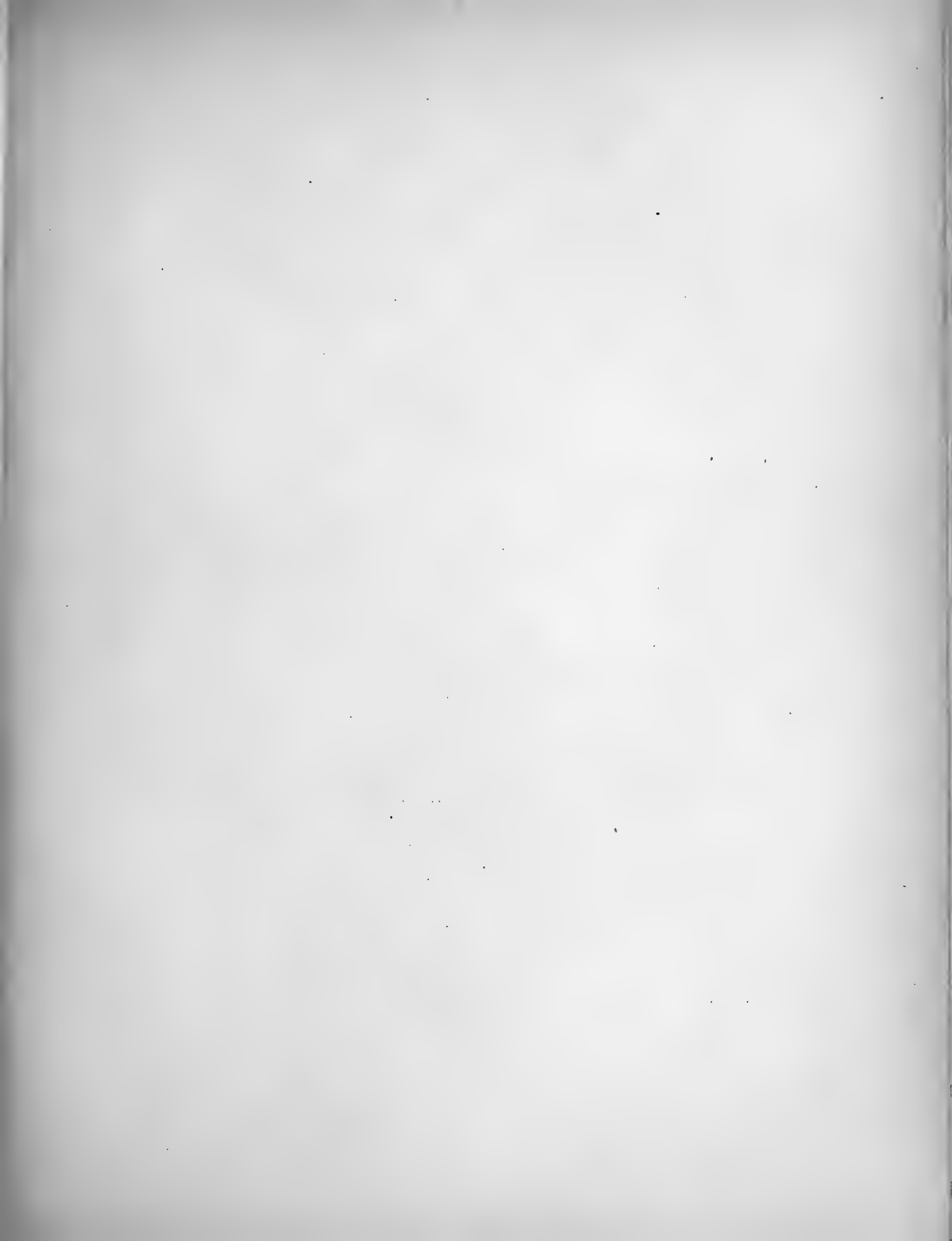


PLATE CV.

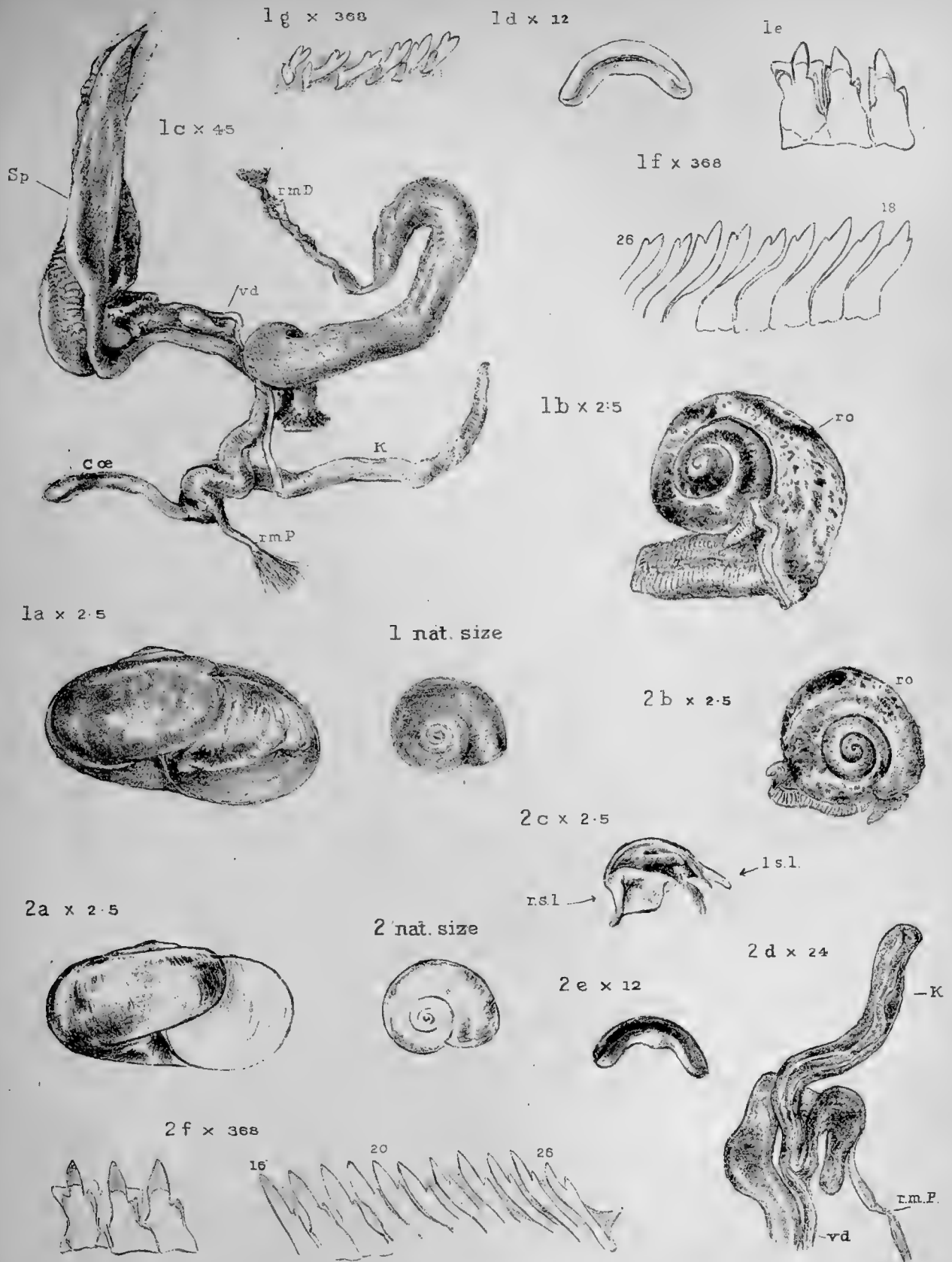
[Part X.—April 1907.]

MACROCHLAMYS RICHILAENSIS, n. sp. Bhutan.

- Fig. 1, 1 *a*. Shell, nat. size and enlarged, $\times 2.5$.
1 *b*. Animal, with shell removed, showing visceral sac &c., $\times 2.5$.
1 *c*. Generative organs, $\times 4.5$.
1 *d*. Jaw, $\times 12$.
1 *e*. Teeth of radula, central and two side teeth, $\times 368$.
1 *f*. 18th to the 26th teeth, $\times 368$.
1 *g*. Outermost teeth, $\times 368$.

MACROCHLAMYS DAMSANGENSIS, n. sp. Bhutan.

- Fig. 2, 2 *a*. Shell, nat. size and enlarged, $\times 2.5$.
2 *b*. Animal, with shell removed, showing visceral sac &c., $\times 2.5$.
2 *c*. Mantle-edge, showing shell-lobes, $\times 2.5$.
2 *d*. Part of penis near retractor muscle, $\times 24$.
2 *e*. Jaw, $\times 12$.
2 *f*. Radula, part of: 16th to the 26th teeth, $\times 368$.



MACROCHLAMYS

1. richilaensis. 2. damsangensis



PLATE CVI.

[Part X.—April 1907.]

MACROCHLAMYS SEQUAX, Bs. Darjiling. (Ex Blanford Collection.)

- Fig. 1. Shell, $\times 2.4$: typical.
1 *a.* Genitalia, $\times 8$.
1 *b.* Jaw, $\times 24$.
1 *c.* Admedian teeth of radula, 10th to 16th.
1 *d.* Outermost teeth.

MACROCHLAMYS SEQUIUS, n. sp. Damsang.

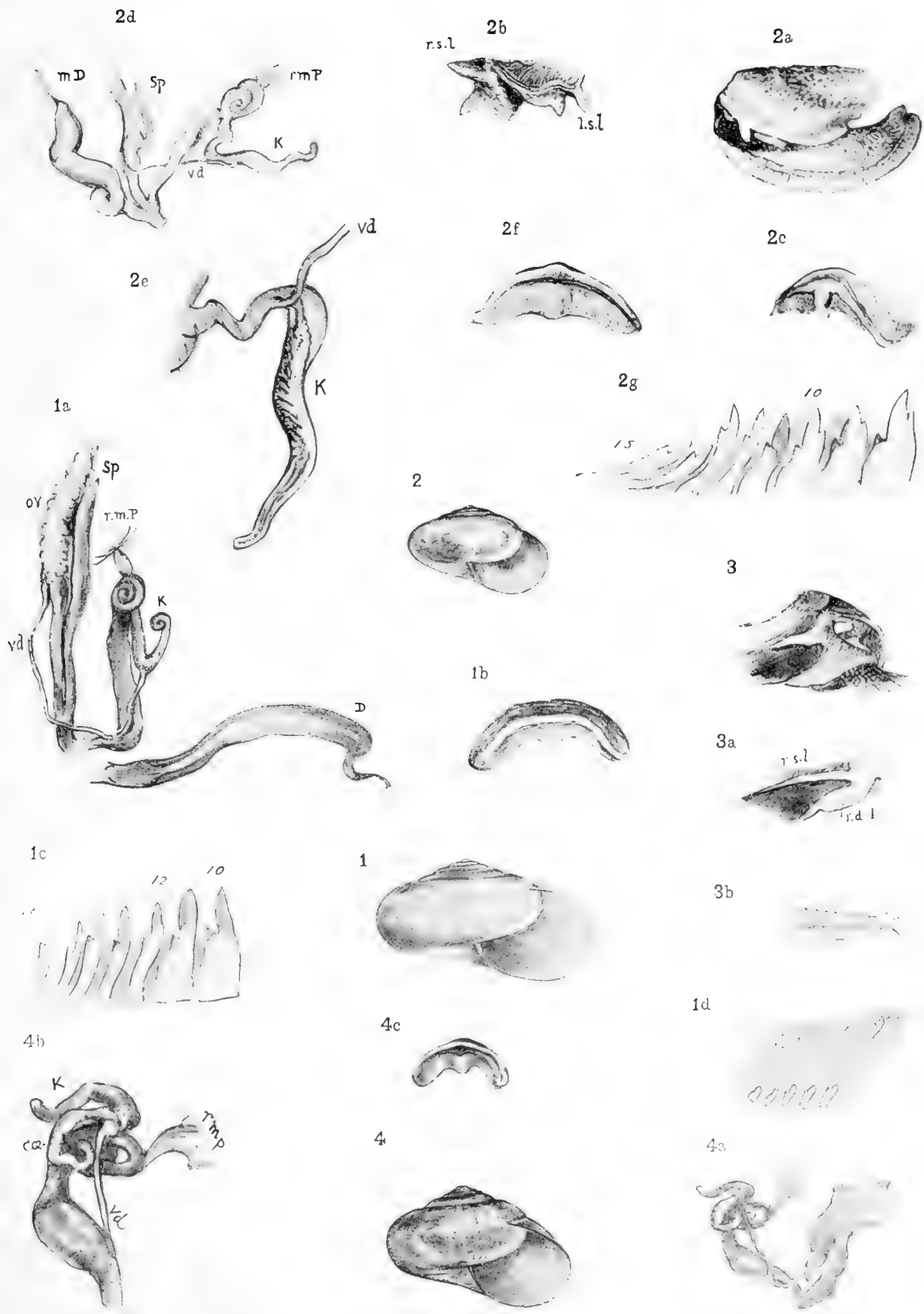
- Fig. 2. Shell, $\times 2.5$.
2 *a.* Animal, viewed from left side: shell removed, showing visceral sac, $\times 8$.
2 *b.* Edge of mantle, showing shell- and neck-lobes, $\times 4$.
2 *c.* Ditto, showing left shell-lobe.
2 *d.* The generative organs, $\times 8$.
2 *e.* Kalk-sac or flagellum, with spermatophore forming.
2 *f.* Jaw, $\times 24$.
2 *g.* Portion of row of radula, 8th to 15th admedian teeth.

MACROCHLAMYS SEQUAX?, Bs. Darjiling. (From Colonel Mainwaring.)

- Fig. 3. Right side: right shell-lobe in life.
3 *a.* Ditto: ditto, more extended.
3 *b.* Extremity of foot in life.

MACROCHLAMYS SATHILAENSIS, n. sp. Richila.

- Fig. 4. Shell, $\times 2.5$.
4 *a.* Part of the generative organs, $\times 4.5$.
4 *b.* The penis (*cæ*, cæcum), $\times 8$.
4 *c.* Jaw, $\times 12$.



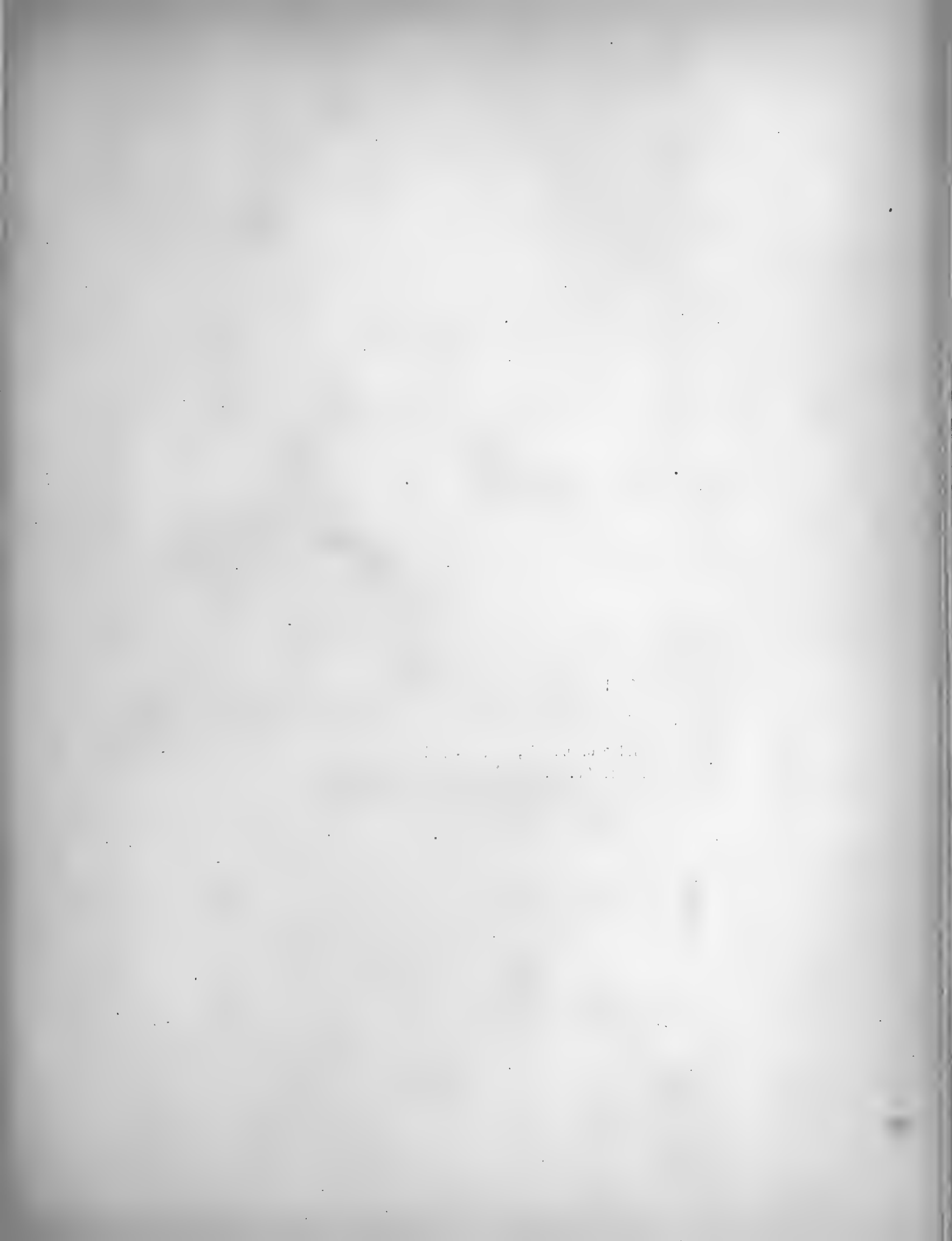


PLATE CVII.

[Part X.—April 1907.]

AUSTENIA SILCHARENSIS, n. sp. Cachar.

- Fig. 1, 1 *a*, 1 *b*. Shell, × 2·4.
2. Animal, view of right side, showing the large shell-lobes, × 4·5.
2 *a*. View of the left side, × 2.
3. Part of generative organs: amatorial organ, spermatheca, × 12·4.
3 *a*. The male organ detached from above, × 12·4.

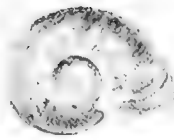
AUSTENIA ZEMOENSIS, n. sp. Sikkim.

- Fig. 4, 4 *a*. Shell, × 2·5.
5. Animal, view of right side, × 4·5.
5 *a*. Ditto, left side, × 4·5.
6. Edge of mantle, detached, showing left shell-lobe and left dorsal lobe,
× 4·5.
7. Extremity of foot, × 4·5.
8. Anterior portion of the visceral sac, × 4·5.
9. The genitalia, × 12.

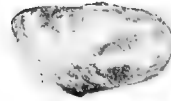
1 x 2.4



1a

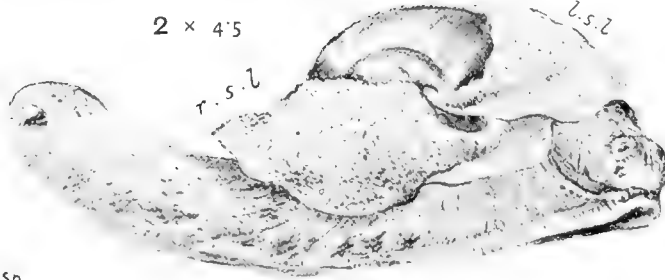


1b



rmP

2 x 4.5



rmP

3a

x 12.4



3

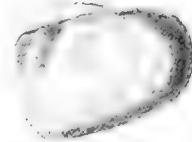
x 12.4



2a



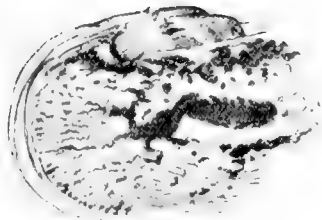
4a x 2.5



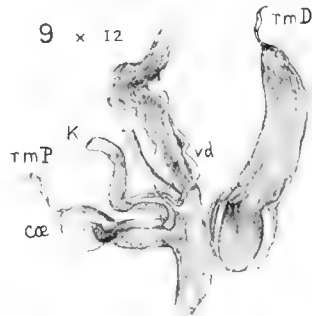
4 x 2.5



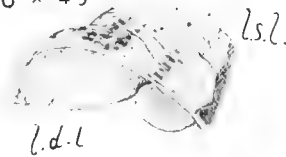
8 x 4.5



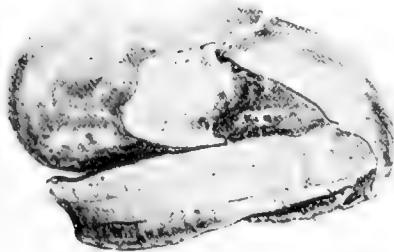
9 x 12



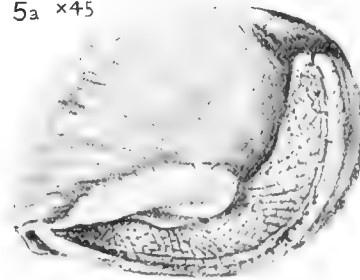
6 x 4.5



5 x 4.5



5a x 4.5



7 x 4.5

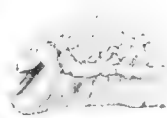


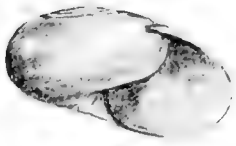


PLATE CVIII.

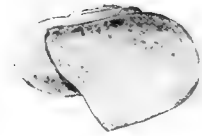
[Part X.—*April* 1907.]

- Fig. 1, 1 *a*, 1 *b*. *MACROCHLAMYS BEATA*, n. sp., × 2·5.
2, 2 *a*, 2 *b*. — *RAZAMIENSIS*, n. sp., × 2·5.
3, 3 *a*, 3 *b*. — *MAHADEOENSIS*, n. sp., × 2·5.
4, 4 *a*, 4 *b*. — *HENG DANENSIS*, n. sp., × 2·5.
5, 5 *a*, 5 *b*. *AUSTENIA DURRANGENSIS*, n. sp., × 2·5.—See Plate CXI. figs. 7–7 *c* (animal).

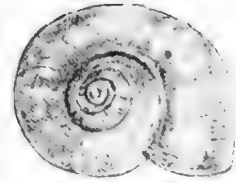
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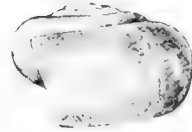
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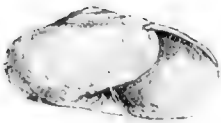
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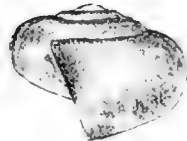
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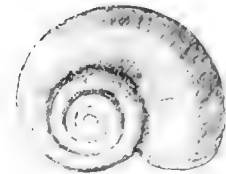
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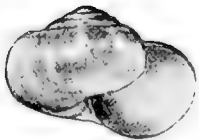
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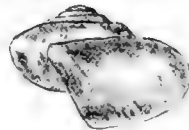
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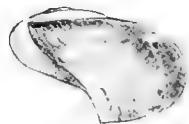
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5



5a



5b

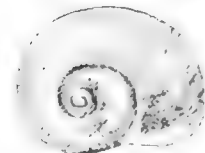




PLATE CIX.

[Part X.—April 1907.]

MACROCHLAMYS HODGSONI, Bs. (Blanford MS.).

- | | | |
|---------|--------------------------------------------------|-----------------|
| Fig. 1. | Shell, × 4: typical. | Darjiling. |
| 1 a. | Sculpture, × 75. | Ditto. |
| 2. | Shell, × 4.5. | Western Sikkim. |
| 2 a. | Animal, left side, × 12.4. From spirit-specimen. | Ditto. |
| 2 b. | Ditto, right side, × 12.4. From spirit-specimen. | Ditto. |
| 2 c. | Central and outer teeth of radula. | Ditto. |
| 2 d. | Jaw, × 58. | Ditto. |

MACROCHLAMYS RORIDA, Bs. Darjiling.

- | | | |
|-----------|--------------------------------------------|----------------|
| Fig. 3. | Shell, × 4: typical. | |
| 3 a. | Foot. | |
| 3 b. | Mantle-zone, with shell- and dorsal lobes. | |
| 4. | MACROCHLAMYS FRAGOSUS, n. sp., × 4. | Dafla Hills. |
| 5. | — PERFRAGILIS, Nevill MS., × 4. | Sikkim. |
| 6. | — SUPERFLUA, W. Blf., very young, × 7. | Darjiling. |
| 7. | — SEQUIUS, G.-A., very young, × 7. | Ditto. |
| 8, 8 a. | — SPRETA, W. T. Blf., × 4. | Pegu. |
| 9. | — SALWINENSIS, n. sp., × 4. | Tenasserim. |
| 10, 10 a. | — HOOKERI, n. sp., × 2.4. | Cherra Poonji. |

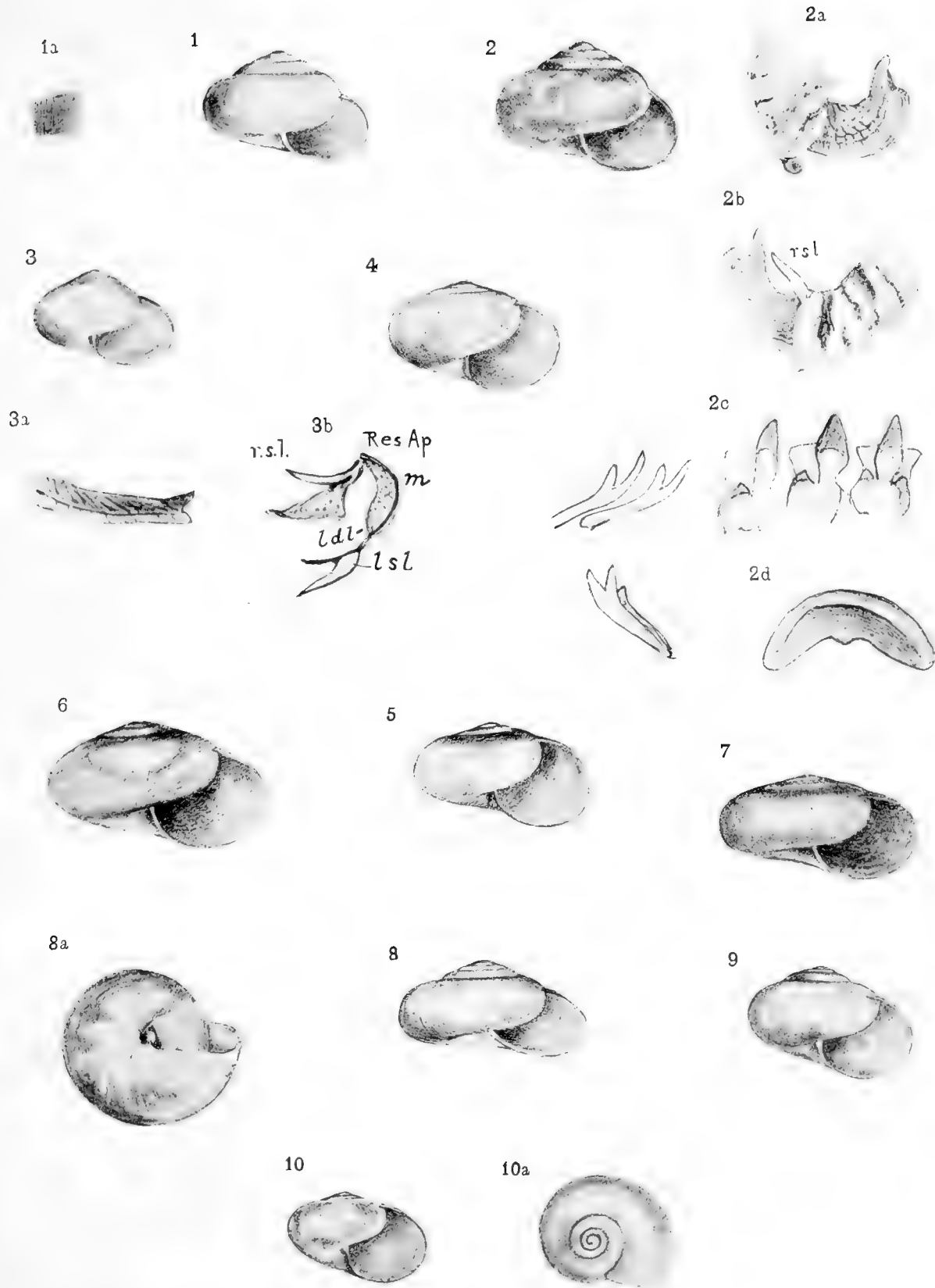


PLATE CX.

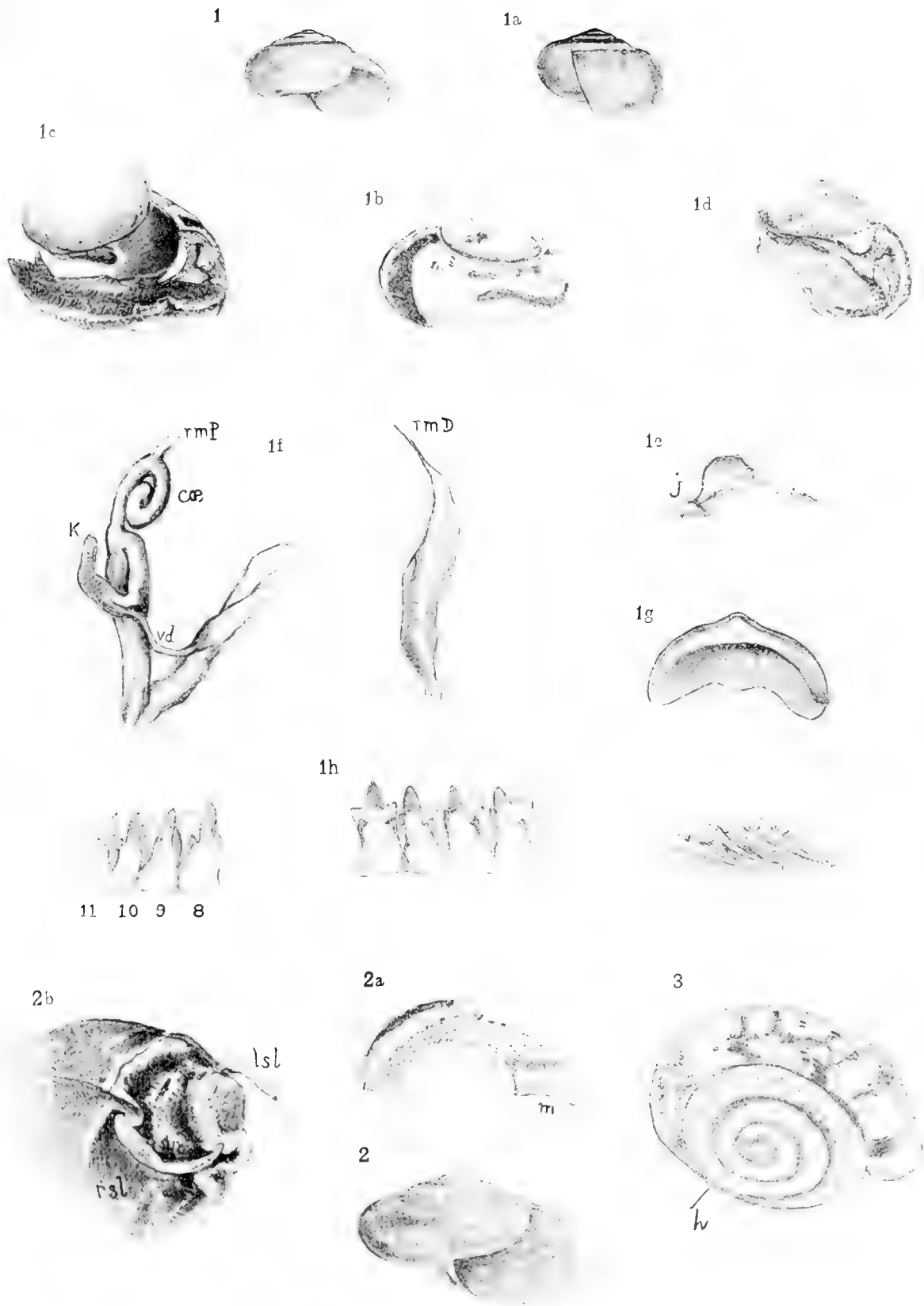
[Part X.—*April* 1907.]

MACROCHLAMYS ZEMOENSIS, n. sp. Sikkim.

- Fig. 1, 1 *a*. Shell, $\times 2\cdot5$.
1 *b*. Visceral sac, $\times 4\cdot5$.
1 *c*. Animal, right side, from spirit-specimen, $\times 4\cdot5$.
1 *d*. Ditto, left side, ditto.
1 *e*. Buccal mass and salivary gland : *j*, jaw, $\times 4\cdot5$.
1 *f*. Generative organs, amatorial separated from, $\times 12$.
1 *g*. Jaw, $\times 30$.
1 *h*. Central and side teeth of the radula, $\times 368$.

MACROCHLAMYS RAKAENSIS, n. sp. Sikkim.

- Fig. 2. Shell, $\times 4\cdot5$.
2 *a*. Visceral sac, $\times 4\cdot5$.
2 *b*. Head with mantle-zone and shell-lobes.
3. BENSONIA CAMURA, Bs. : visceral sac, to show the typical marking of, $\times 4\cdot5$.



1 & 2. MACROCHLAMYS.
3. BENSONIA.

H. H. Godwin-Austen, del.

F. W. Reader, Sculp.

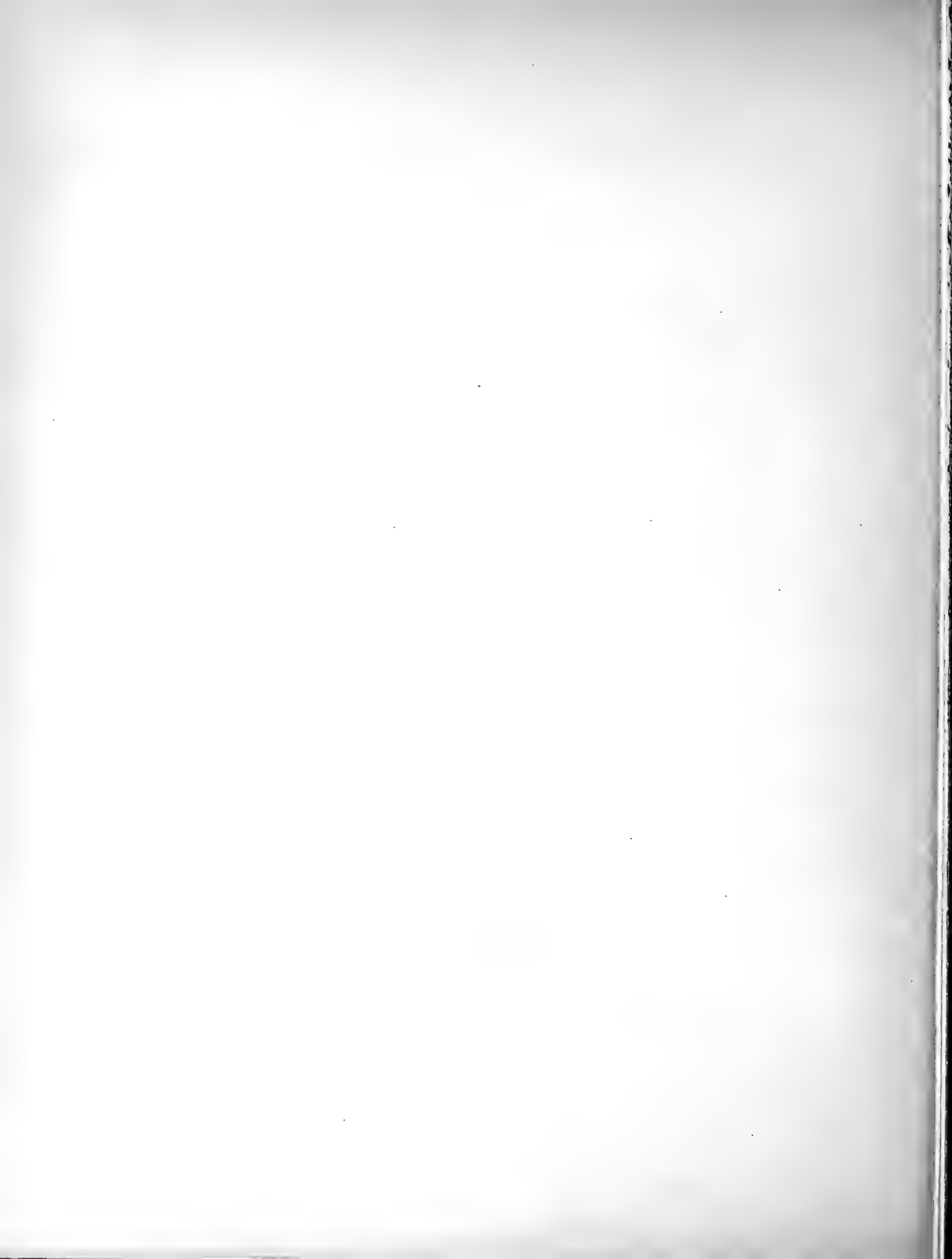




PLATE CXI.

[Part X.—April 1907.]

TAPHROSPIRA BATHYCHARAX, Bs., MS. South Andaman.

- Fig. 1. Part of animal from left side, showing left shell-lobe and extremity of foot, $\times 4.5$.
1 a. Right shell-lobe, $\times 4.5$. (*vs.*, visceral sac.)
1 b. Jaw, $\times 12$.
1 c. Genitalia, $\times 8$.
1 d. Left dorsal lobe and left shell-lobe, viewed from below, $\times 8$. (*m*, mantle-zone.)
1 e. Part of the spermatheca, $\times 24$, with portions of capsules of spermatophores.
1 f. Flume of a spermatophore, from above.

MACROCHLAMYS EXUL, Theobald. South Andaman.

- Fig. 2. The mantle-zone removed from the animal: the right and left shell-lobes, $\times 4.5$.
2 a. The right shell-lobe, $\times 8$.
2 b. The genitalia, $\times 8$.
2 c. Jaw, $\times 24$.
2 d. Teeth of the radula at different parts of the row.

SARIKA RESPLENDENS, Phil. Mergui.

- Fig. 3. Genitalia, with a spermatophore, $\times 4.5$.
3 a. End of the dart, $\times 4.5$.

MACROCHLAMYS BEATA, G.-A. Daffa Hills.

- Fig. 4. Teeth of the radula at different parts of the row, $\times 550$.

MACROCHLAMYS RAZAMIENSIS, G.-A. Naga Hills.

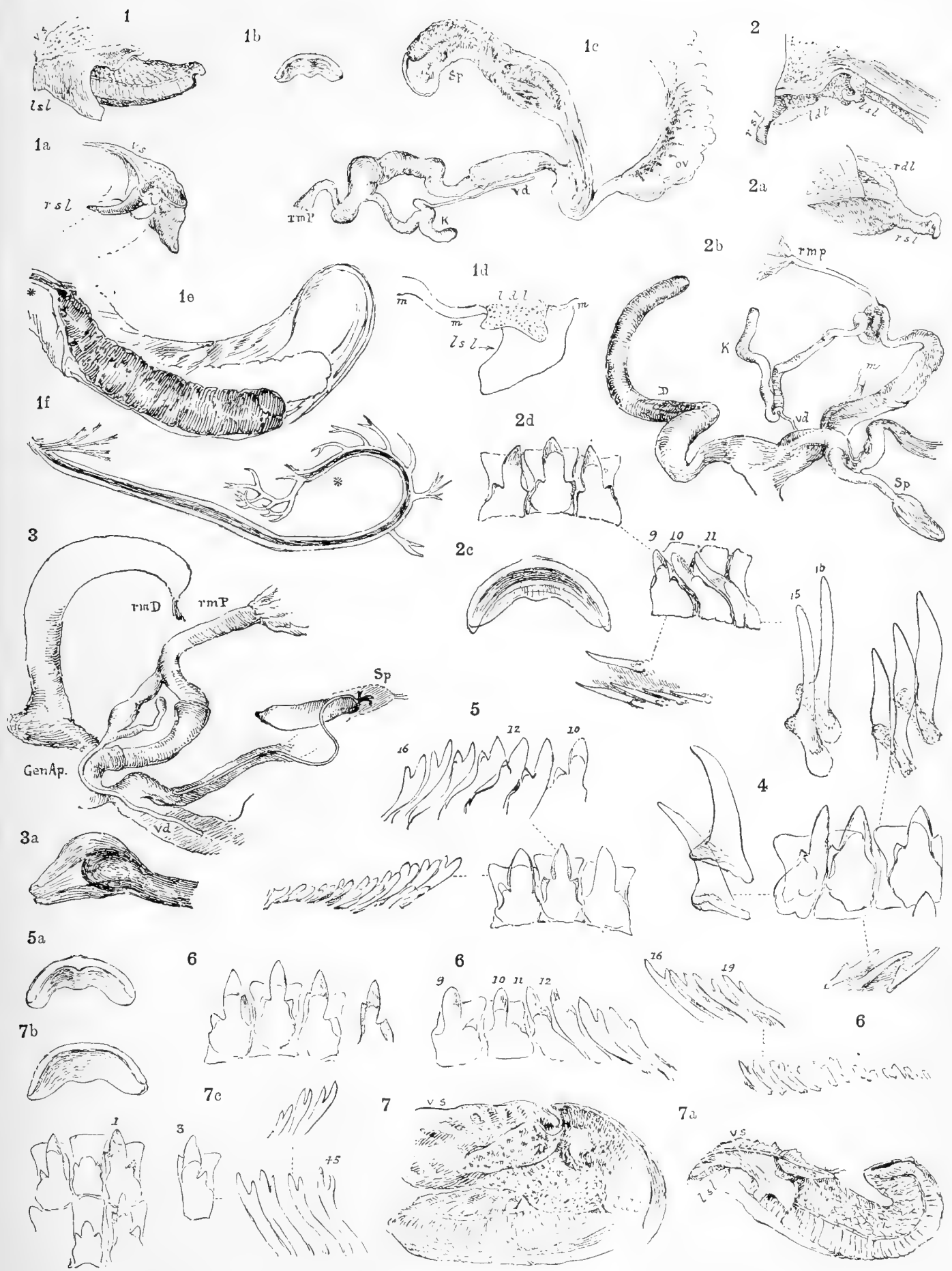
- Fig. 5. Teeth of the radula at different parts of the row, $\times 550$.
5 a. Jaw, $\times 24$.

MACROCHLAMYS MAHADEOENSIS, G.-A. North Cachar Hills.

- Fig. 6. Teeth of radula, $\times 500$.

AUSTENIA DURRANGENSIS, G.-A. Durrang District, Assam.

- Fig. 7. Part of animal on the right side, near aperture: shell-lobes, $\times 8$.
7 a. Ditto, left side, showing left shell-lobe, $\times 8$.
7 b. Jaw, $\times 24$.
7 c. Central teeth of the radula, $\times 550$. Laterals near the 45th tooth, $\times 950$.



MACROCHLAMYS, SARIKA, AUSTENIA, & TAPHROSPIRA.

H. H. Godwin-Austen, del.

The Watford Engraving Co., Sculp.

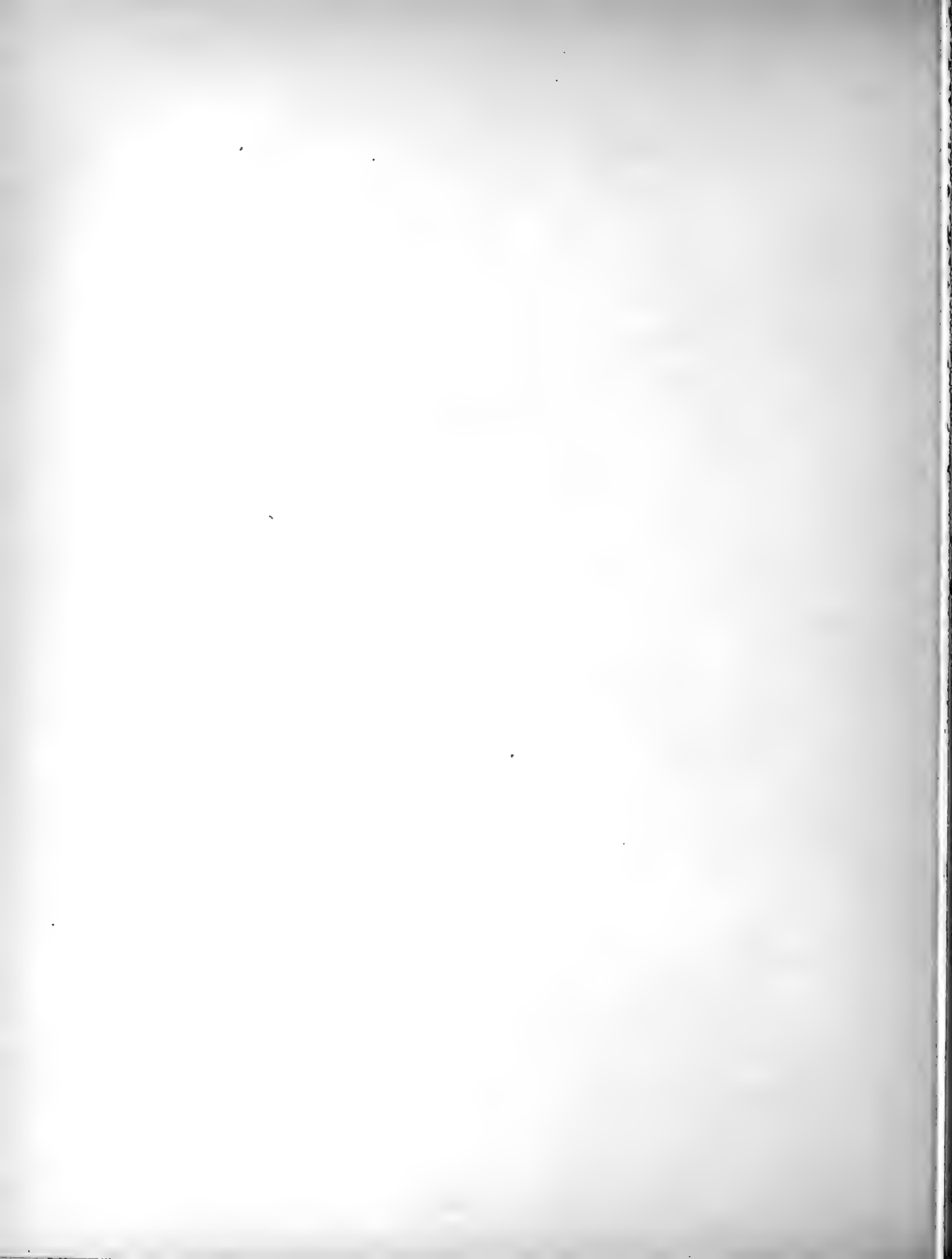




PLATE CXII.

[Part X.—April 1907.]

PHILALANKA THWAITESI, Pfeiffer. Ceylon.

- Fig. 1. Generative organs, $\times 12.5$.
1 *a.* Jaw, $\times 163$.
1 *b.* Jaw, the edge of, $\times 196$.
1 *c.* Teeth of radula at different parts of a row, $\times 1100$.

THYSANOTA CRINIGERA, Benson. Southern India.

- Fig. 2. Animal removed from the shell, showing foot, visceral sac, and mantle-edge.
2 *a.* Teeth of the radula at different parts, $\times 920$.
2 *b.* Jaw, central part of, $\times 196$.
2 *c.* Jaw, $\times 24$.
2 *d.* Buccal mass and salivary gland &c., $\times 12$.

SYKESIA BICILIATA, Pfeiffer. Ceylon.

- Fig. 3. Generative organs, $\times 12$.
3 *a.* Buccal mass, $\times 12$.
3 *b.* Teeth of radula at different parts of the row, $\times 920$.
3 *c.* Spatulate epidermal hairs of shell, $\times 24$.

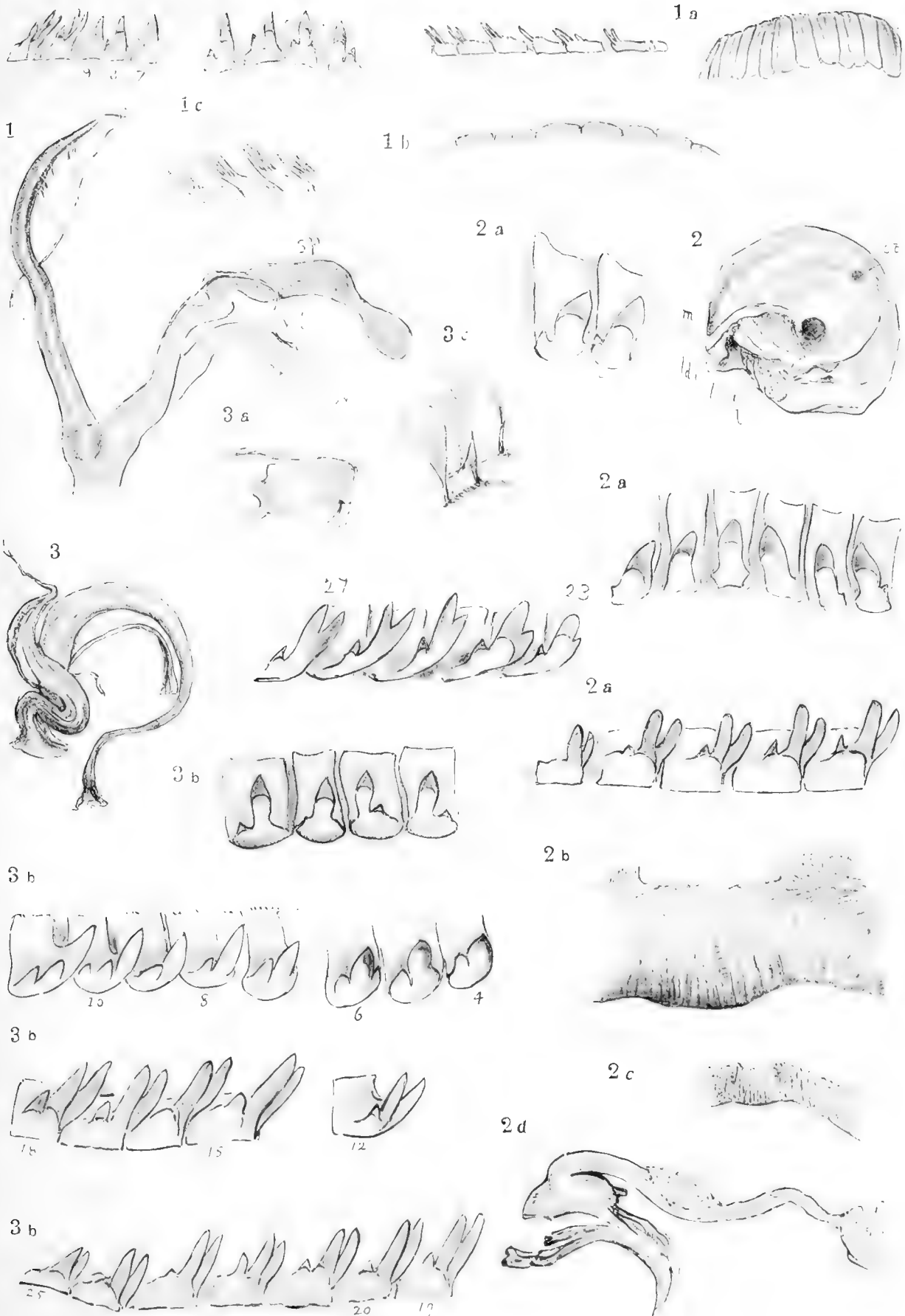
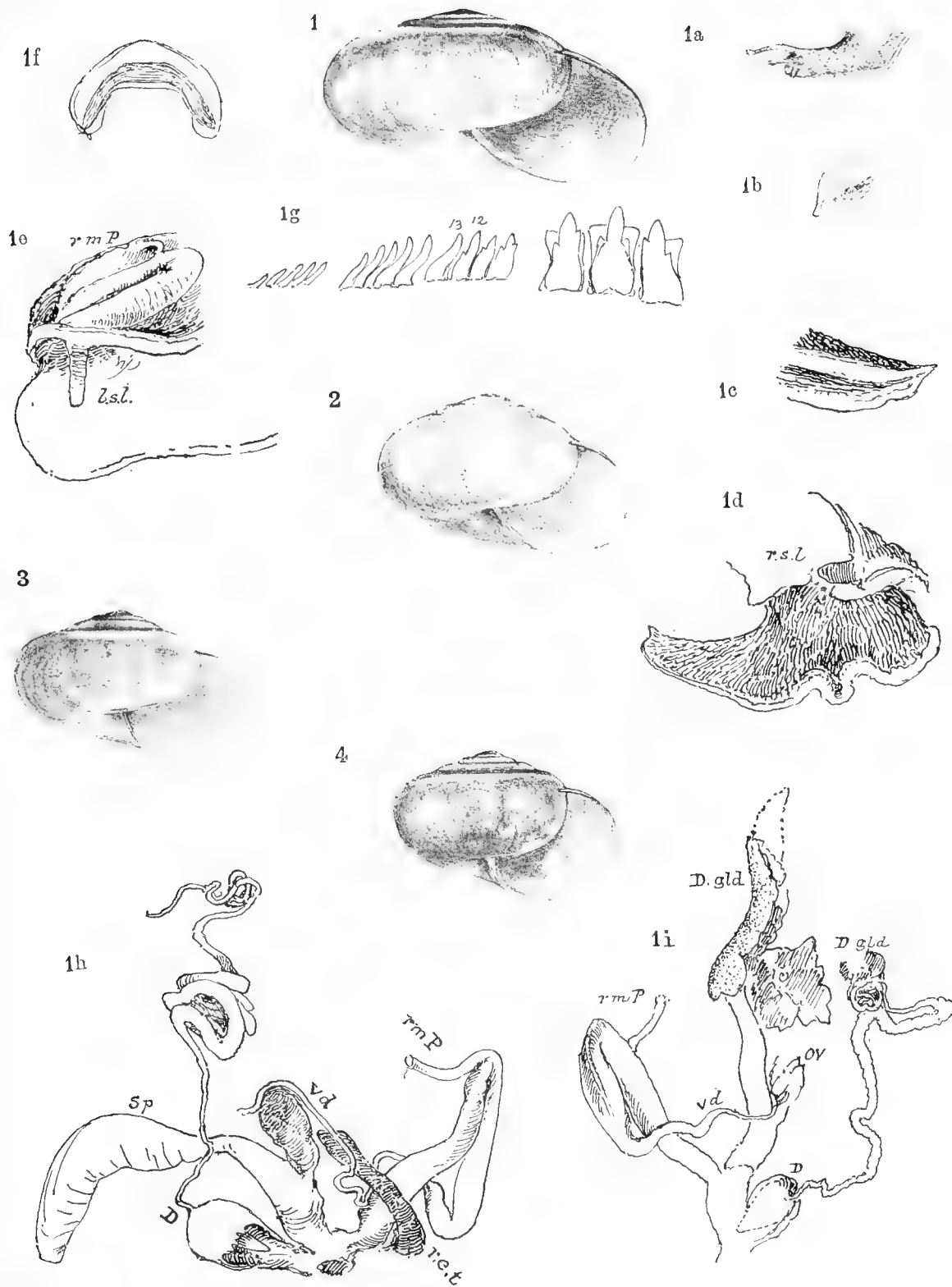


PLATE CXIII.

[Part X.—April 1907.]

STAFFORDIA DAFLAENSIS, G.-A.

- Fig. 1. Shell, $\times 2.4$.
- 1 *a.* Animal, 1st specimen found, drawn from life.
 - 1 *b.* Ditto, ditto, extremity of foot.
 - 1 *c.* Foot, spirit-specimen, $\times 4.5$.
 - 1 *d.* Animal from right side, showing right shell-lobe.
 - 1 *e.* Ditto from left side, showing left shell-lobe, $\times 4.5$.—Part of branchial wall removed, showing penis and its retractor muscle, $\times 4.5$.
 - 1 *f.* Jaw, $\times 12$.
 - 1 *g.* Teeth of radula at different parts of the row, $\times 360$.
 - 1 *h.* Genitalia, 1st specimen dissected, $\times 5$.
 - 1 *i.* Ditto, 2nd specimen dissected, $\times 4.5$.
 2. STAFFORDIA DAFLAENSIS, var., $\times 2.4$.
 3. — ? TORUPUTUENSIS, G.-A., $\times 2.4$.
 4. — STAFFORDI, G.-A., $\times 2.4$.





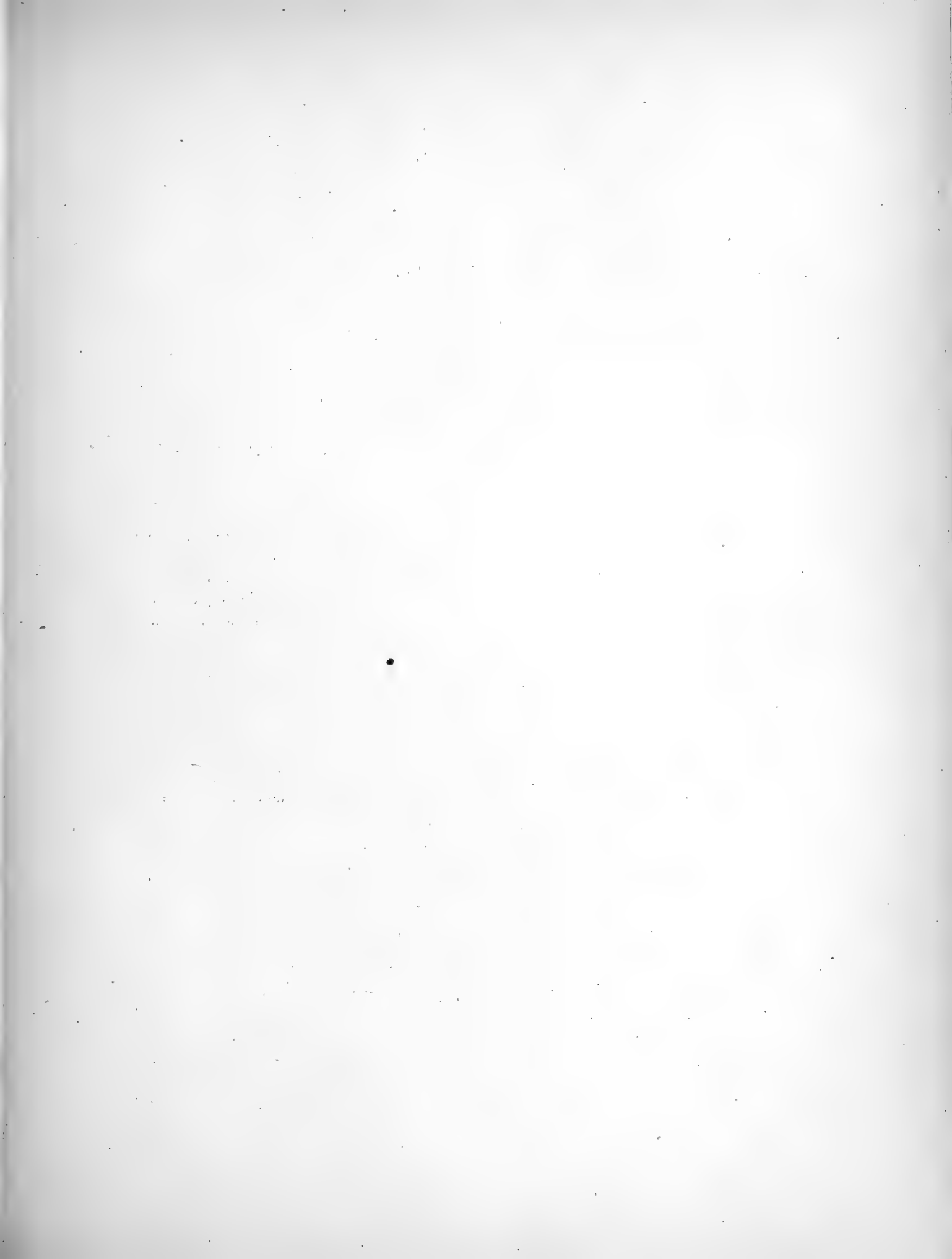


PLATE CXIV.

[Part X.—April 1907.]

EUPLECTA HYPIASMA, Pfeiffer. Ceylon.

Fig. 1. Genitalia, $\times 12$.

1 *a.* Posterior end of penis, showing spermatophore in process of formation, $\times 24$.

PLECTOPYLIS PINACIS, Bs. Damsang, Sikkim.

Fig. 2. Side of visceral sac, distant one whole whorl from the aperture, showing position of the heart and kidney and part of oviduct. Drawn by eye.

2 *a.* Genitalia, the oviduct broken and emptied of embryonic shells, $\times 4.5$.

2 *b.* Distal end of the oviduct with embryos in different stages of development, the hermaphrodite-duct and albumen-gland, part of intestine and mucous glands, $\times 4.5$.

2 *c.* Jaw, $\times 12.4$.

2 *d.* Teeth of radula at various parts of the row, $\times 570$.

CORILLA GUDEI, Sykes. Ceylon.

Fig. 3. Right side of foot, $\times 8$.

3 *a.* Animal partly withdrawn into aperture, showing shell- and dorsal lobes, $\times 4.5$.

3 *b.* Buccal mass and salivary glands, $\times 4.5$.

3 *c.* Portion of liver, showing structure, $\times 8$.

3 *d.* Teeth of radula at various parts of the row, $\times 368$.

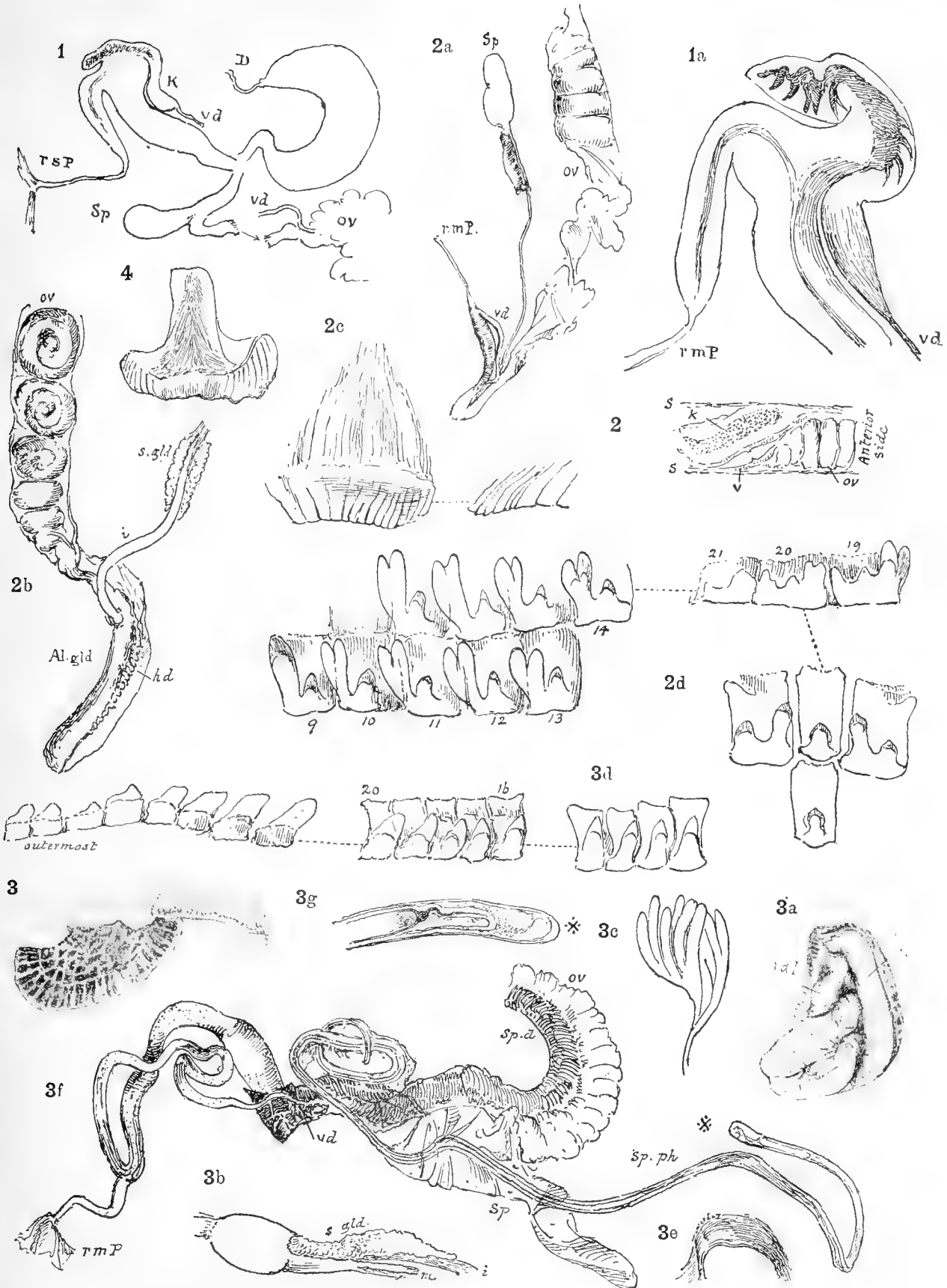
3 *e.* Jaw, $\times 12$.

3 *f.* Generative organs, $\times 4.5$.

3 *g.* Ditto, terminal end of spermatophore, $\times 12$.

THYSANOFA GUERINI, Pfr. Nilgherries.

Fig. 4. Jaw, $\times 12$.



EUPLECTA, PLECTOPYLIS & CORILLA.



PLATE CXV.

[Part X.—*April* 1907.]

LEPTODONTARION HIRASEANUS, Pilsbry. South Formosa.

- Fig. 1. Animal, view of the right side, from a spirit-specimen, $\times 4.5$.
1 *a.* Ditto, left side.
1 *b.* Shell, $\times 4.5$.

PETALOCHELAMYS FORMOSANA, Schmacker & Boettger, var. HYPOGRAFTA,
Pilsbry & Hirase. South Formosa.

- Fig. 2. Animal, part of the right side and foot, $\times 4.5$.
2 *a.* Ditto, left side and foot, $\times 4.5$.
2 *b.* Shell, $\times 4.5$.

LAMPROCYSTIS FULGIDA, n. sp. South Formosa.

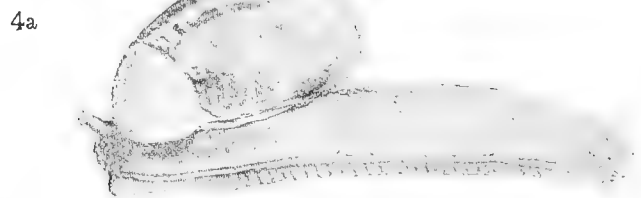
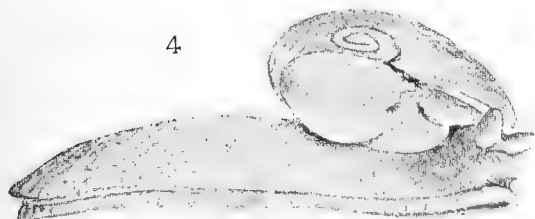
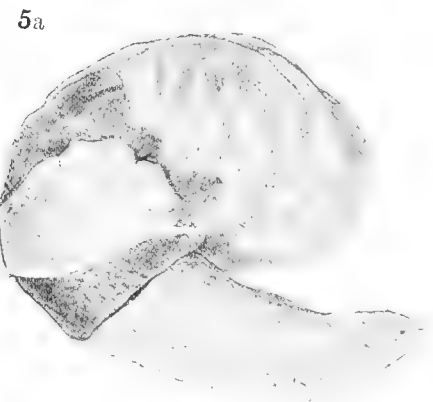
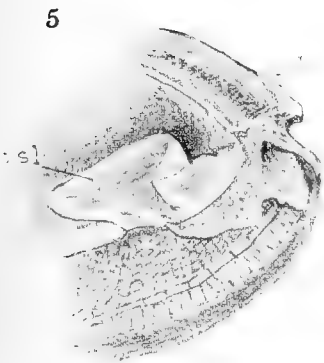
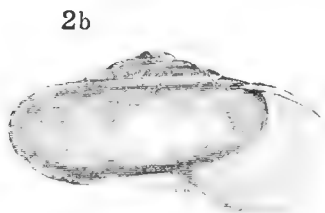
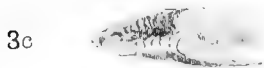
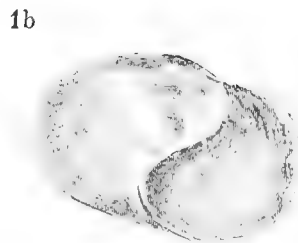
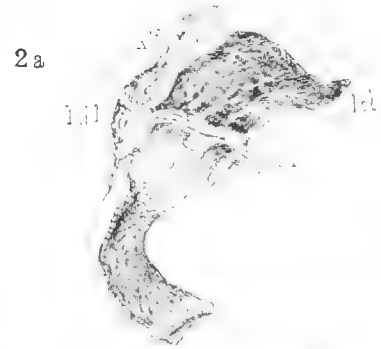
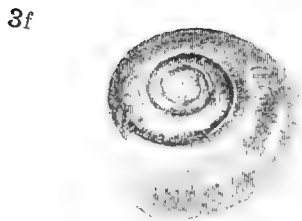
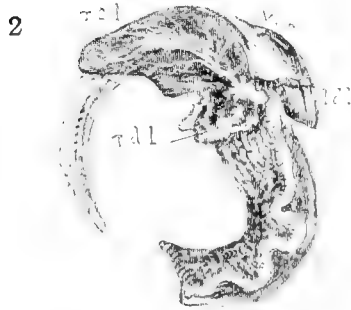
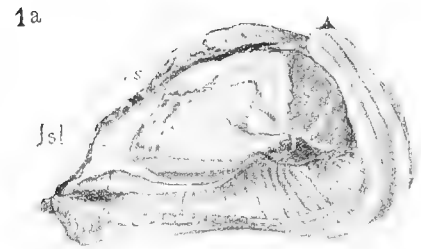
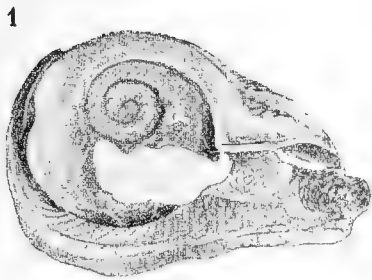
- Fig. 3. Foot of the animal, with shell, viewed from above and right side, $\times 4.5$.
3 *a.* Animal, viewed from the left side, $\times 4.5$.
3 *b.* Extremity of foot, $\times 12.4$.
3 *c.* Ditto, showing mucous gland and sole of the foot, $\times 12.4$.
3 *d.* Right shell-lobe and portion near the rectum, $\times 12.4$.
3 *e.* Shell, front view, $\times 4.5$.
3 *f.* Ditto, from above, $\times 4.5$.

DURGELLA ROGERSI, n. sp. South Andaman Islands.

- Fig. 4. Animal, viewed from the right side, $\times 4.5$.
4 *a.* Ditto, viewed from the left side, $\times 4.5$.

SOPHINA CALIAS, Benson. Mergui.

- Fig. 5. Animal, part of, showing right shell-lobe, $\times 4.5$.
5 *a.* Ditto, view of the left side and extremity of foot, $\times 4.5$.



DURGELLA, LEPTODONTARION, PETALOCHLAMYS, & SOPHINA.

H. H. Godwin-Austen, del.

The Watford Engraving Co., Sculp.





PLATE CXVI.

[Part X.—April 1907.]

SARIKA PUMICATA, Morelet. Siam.

- Fig. 1. Genitalia, parts separated, $\times 4.5$.
1 *a.* Mantle-edge removed, showing shell- and dorsal lobes, $\times 4.5$.
1 *b.* Teeth of the radula at different parts of the row, $\times 368$.
1 *c.* Jaw, $\times 12$.

SARIKA RESPLENDENS, Phil. Mergui.

- Fig. 2. Mantle-edge removed, showing shell- and dorsal lobes, $\times 4.5$.
2 *a.* Teeth of radula at different parts of the row, $\times 368$.
2 *b.* Jaw, $\times 12$.

SOPHINA CALIAS, Bs. Mergui.

- Fig. 3. Generative organs, $\times 4.5$.

LEPTODONTARION HIRASEANUS, Pilsbry. South Formosa.

- Fig. 4. Genitalia, part of, $\times 4.5$.
4 *a.* Spermatheca and adjacent parts, $\times 12$.
4 *b.* The male organs, $\times 12$.
4 *c.* Teeth of the radula at different parts of the row, $\times 1100$.
4 *d.* Jaw, $\times 30$.

PETALOCHELAMYS FORMOSANA VAR. HYPOGRAPTA, Pilsbry & Hirase. South Formosa.

- Fig. 5. Portion of generative organs, penis &c., $\times 4.5$.
5 *a.* Teeth of the radula at different parts of the row, $\times 1100$.
5 *b.* Jaw, $\times 30$.

LAMPROCYSTIS FULGIDA, n. sp. South Formosa.

- Fig. 6. Teeth of the radula at different parts of the row, $\times 1100$.
6 *a.* Jaw, $\times 30$.

DURGELLA ROGERSI, n. sp. South Andaman.

- Fig. 7. Teeth of the radula, $\times 1100$.
7 *a.* Jaw, $\times 30$.



SARIKA, SOPHINA, LEPTODONTARION, & PETALOCHELAMYS.

H. H. Godwin-Austen, del.

The Watford Engraving Co., Sculp.

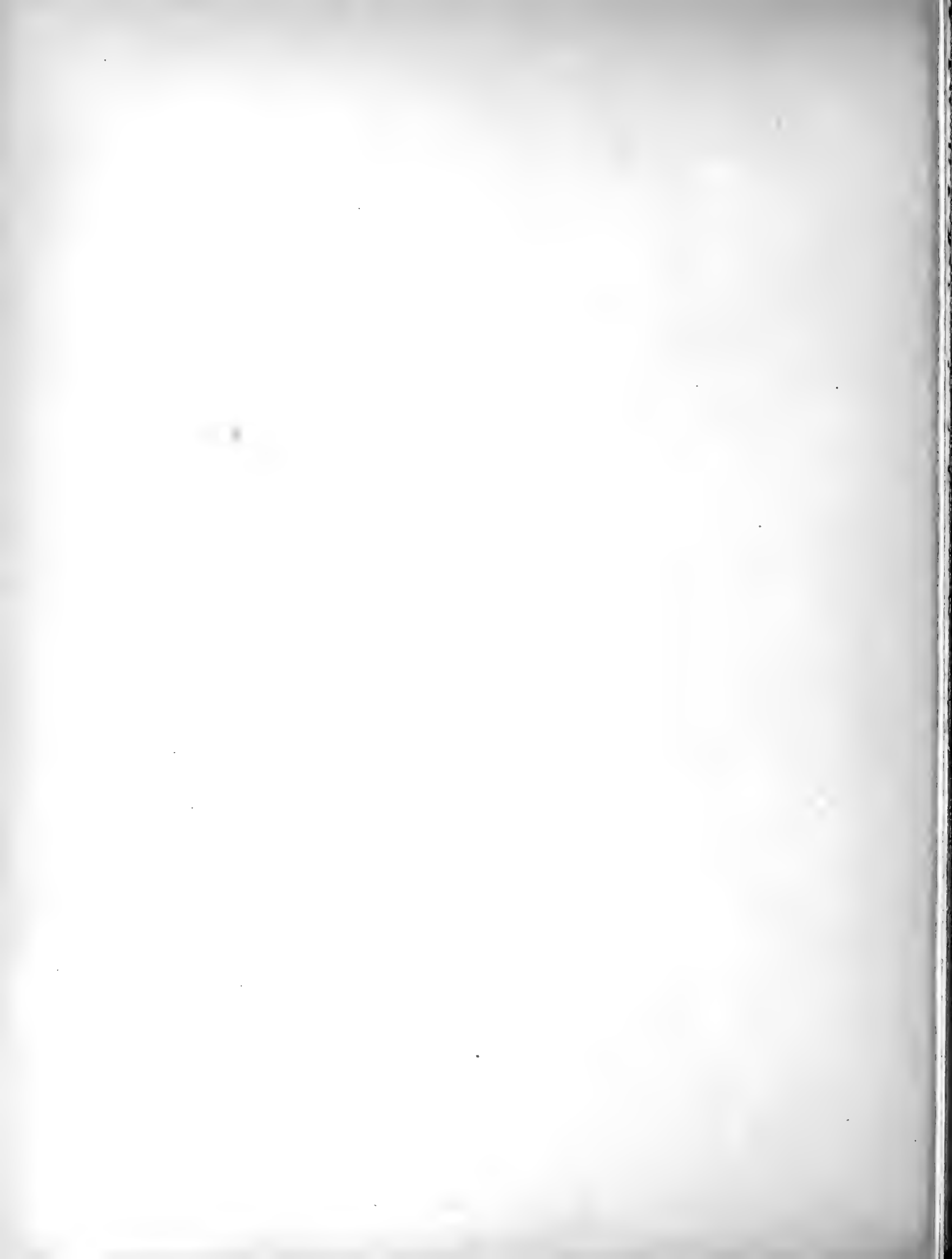


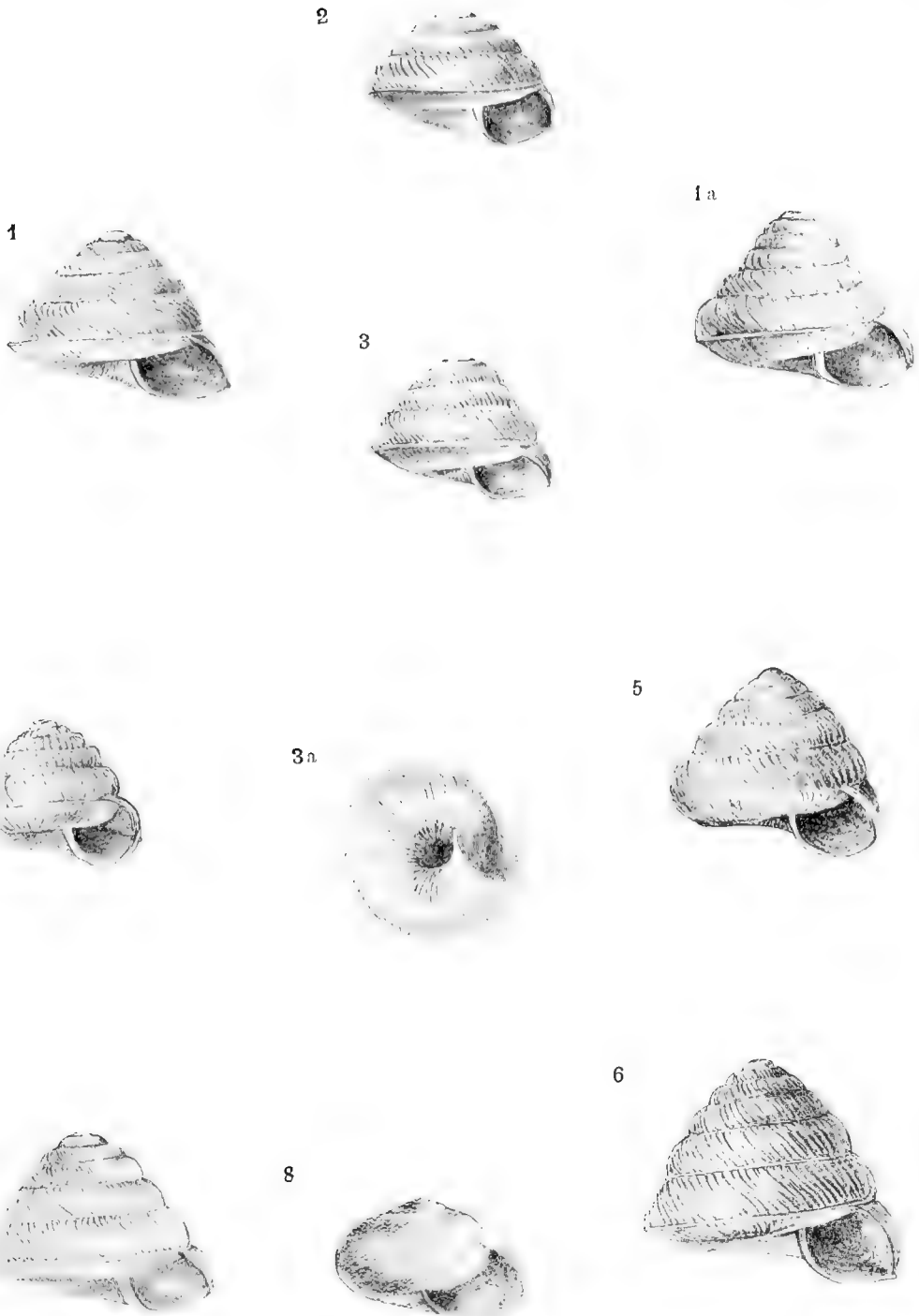


PLATE CXVII.

[Part X.—*April* 1907.]

- | | | |
|---------|---------------------------------------------------------------------|------------------|
| Fig. 1. | RAHULA BASCAUDA, Benson: costulation fine and close, × 7. | Teria Ghat. |
| 1 a. | Ditto: costulation distant, × 7. | Ditto. |
| 2. | RAHULA POLYPLEURIS, W. T. Blf., × 7. | Arakan. |
| 3, 3 a. | — BASCAUDA, Bs., × 7. | Jaintia. |
| 4. | — MUNIPURENSIS, n. sp., × 7. | Munipur Hills. |
| 5. | — DAFLAENSIS, n. sp., × 7. | Dafla Hills. |
| 6. | — LHOTAENSIS, n. sp., × 7. | Lota Naga Hills. |
| 7. | — BASCAUDULA, n. sp., × 7. | Sikkim. |
| 8. | MACROCHLAMYS (LAMPROCYSTIS ?) FULGENS, Gude, from type, × nearly 4. | Lu-chu Islands. |

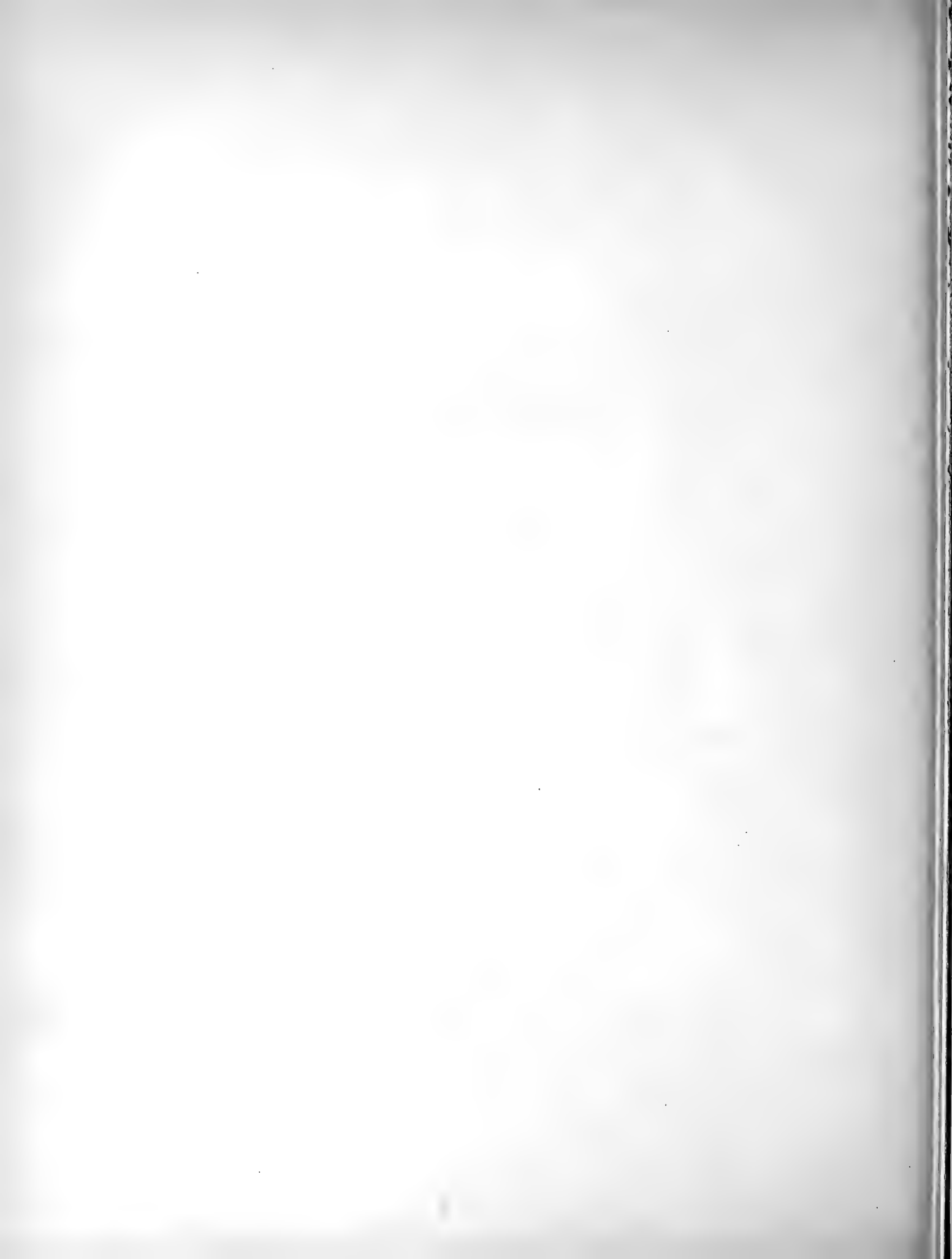
PLATE CXVII.



RAHULA, &c.

H. H. Godwin-Austen, del.

The Watford Engraving Co., Sculp.



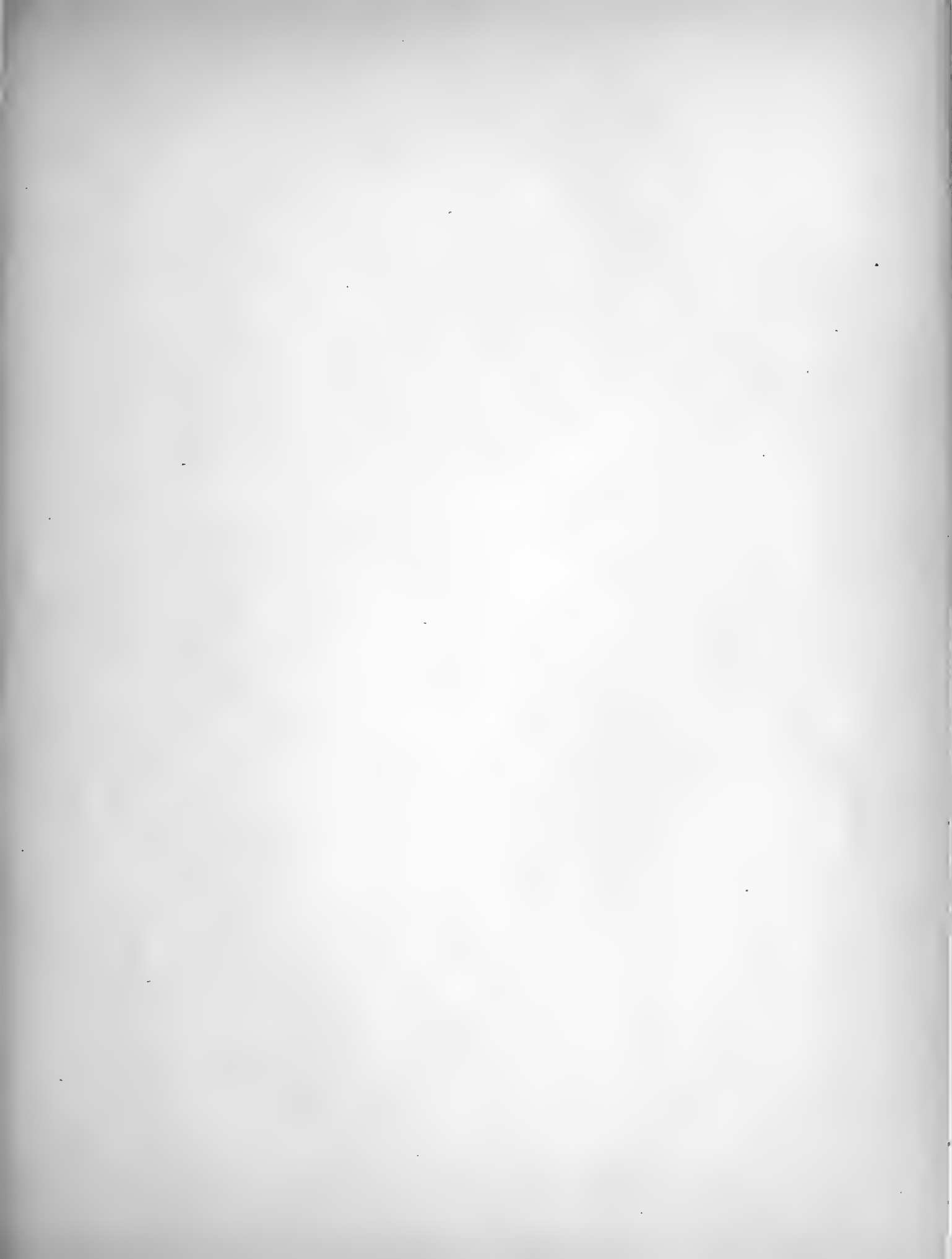
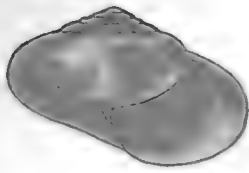


PLATE CXVIII.

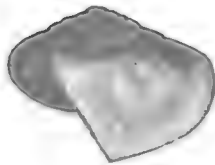
[Part XI.—*March* 1910.]

- | | | |
|-------------------------------------------|------------------------------------|-----------------------------------------------|
| Fig. 1, 1 <i>a</i> , 1 <i>b</i> . | MACROCHLAMYS SUBJECTA, Bs., × 2·4. | Rajmahal on Ganges. |
| 2, 2 <i>a</i> , 2 <i>b</i> , 2 <i>c</i> . | — VESICA, n. sp., × 2·4. | Teria Ghat, Khasi Hills. (Type.) |
| 3, 3 <i>a</i> , 3 <i>b</i> , 3 <i>c</i> . | — VESICA, n. sp., × 2·4. | Chatak, Sylhet. |
| 3 <i>d</i> . | — —, another specimen. | Ditto. |
| 4, 4 <i>a</i> , 4 <i>b</i> , 4 <i>c</i> . | — VESICA VAR. ANOMALA, × 2·4. | Maosmai, near Cherra Poonjee,
Khasi Hills. |
| 5, 5 <i>a</i> , 5 <i>b</i> , 5 <i>c</i> . | — VESICA, × 2·4. | Hengdan Peak, Naga Hills. |

1



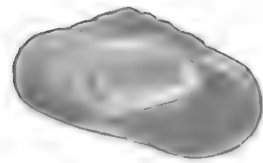
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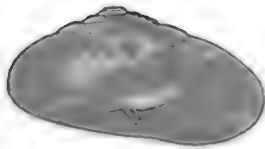
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3d



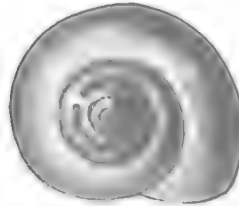
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2a



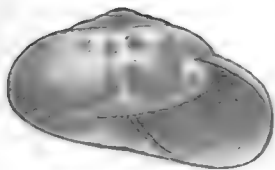
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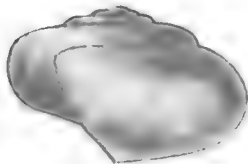
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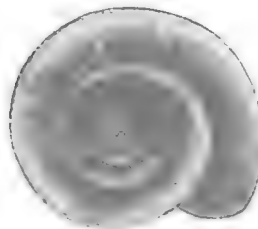
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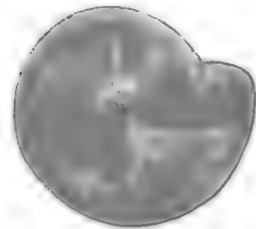
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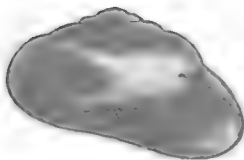
3b



3c



4



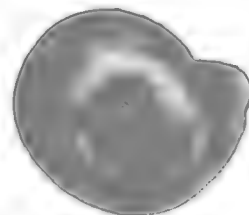
4a



4b



4c



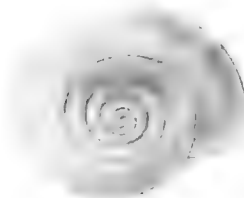
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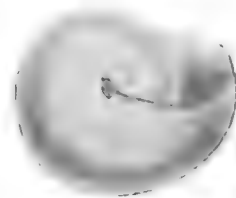
5a



5b



5c



MACROCHLAMYS.



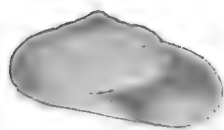


PLATE CXIX.

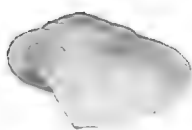
[Part XI.—*March* 1910.]

Fig. 1, 1 <i>a</i> , 1 <i>b</i> , 1 <i>c</i> .	MACROCHLAMYS VESICA VAR. OGLEI, n., × 4·2.	Brahmakund, Assam.
2, 2 <i>a</i> , 2 <i>b</i> , 2 <i>c</i> .	CRYPTAUSTENIA MOYONGENSIS, n. sp., × 4·2.	Moyong, Khasi.
3, 3 <i>a</i> , 3 <i>b</i> , 3 <i>c</i> .	MACROCHLAMYS SUFFLAVA, n. sp., × 4·2.	North Cachar.
4.	— —, type, × 4·2.	Lhota Naga Hills.
5.	— —, × 4·2.	Do., another specimen.
6.	— —, × 4·2.	Burrail Range.
7, 7 <i>a</i> .	— —, × 4·2.	Naga Hills.
8.	— LUBRICATA, n. sp., × 4·2.	Lhota Naga Hills.
9.	— SUFFLAVA, n. sp., × 4·2.	Eastern Burrail Range.
10, 10 <i>a</i> , 10 <i>b</i> , 10 <i>c</i> .	— ANDERSONIANA, G. Nevill, × 4·2.	Bhamo.
11, 11 <i>a</i> , 11 <i>b</i> .	— LUBRICATA, n. sp., × 4·2.	Burrail Range, Naga.
12, 12 <i>a</i> , 12 <i>b</i> .	— QUESITA, n. sp., × 4·2.	Ditto.

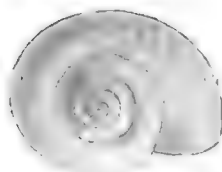
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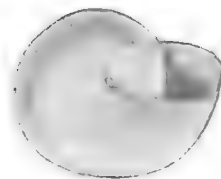
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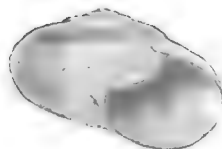
1b



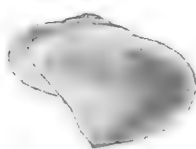
1c



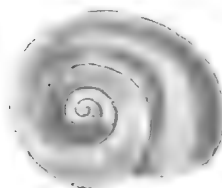
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2a



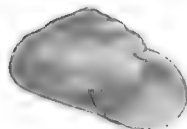
2b



2c



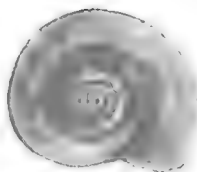
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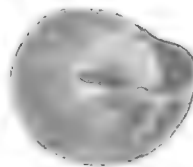
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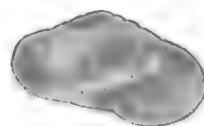
3b



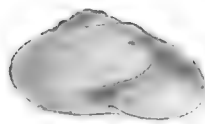
3c



6



4



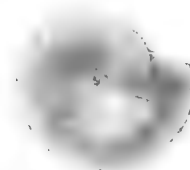
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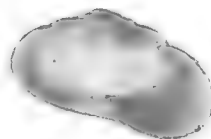
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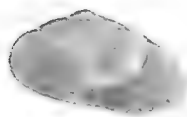
7a



8



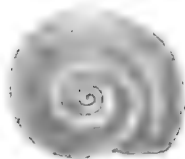
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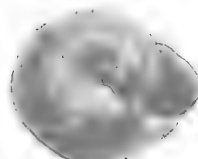
10a



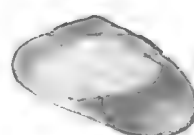
10b



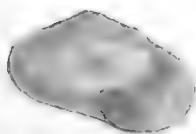
10c



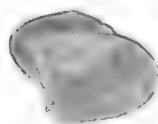
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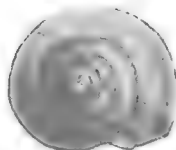
11



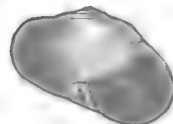
11a



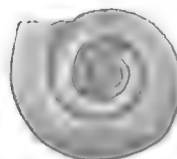
11b



12



12a



12b



MACROCHLAMYS.





PLATE CXX.

[Part XI.—*March* 1910.]

MACROCHLAMYS VESICA, n. sp. Ainakhal, Cachar.

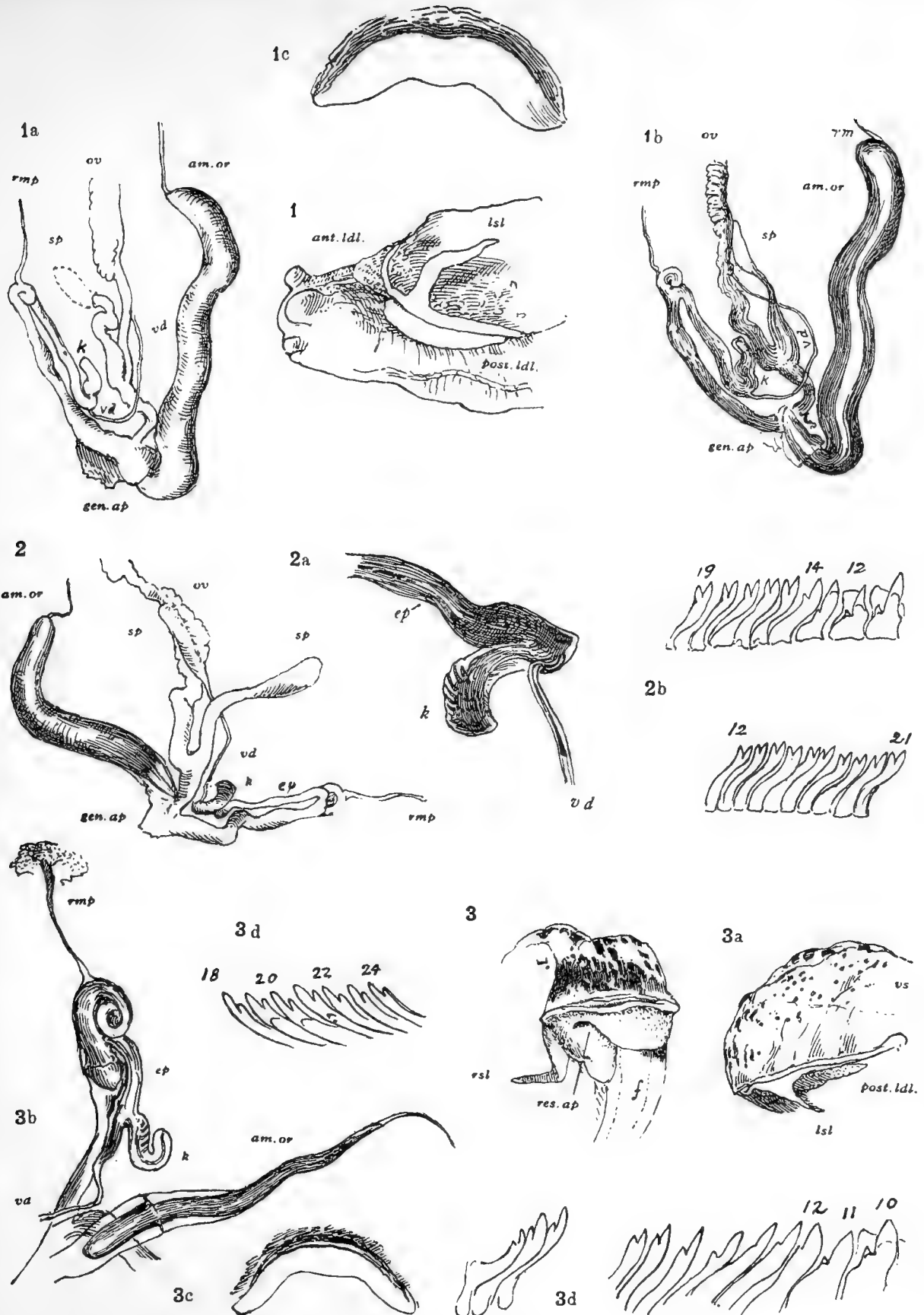
- Fig. 1. Head with mantle-zone from left side, showing left shell-lobe, &c., \times 1.5.
1 *a.* Genitalia, \times 4.5.
1 *b.* Ditto of another specimen, \times 4.5.
1 *c.* Jaw, \times 30.

MACROCHLAMYS VESICA var. OGLEI. Diyung Valley, Singpho Hills.

- Fig. 2. Genitalia, \times 4.5.
2 *a.* The kale-sac, with spermatophore forming in, \times 12.
2 *b.* Radula, some of the admedian and lateral teeth.

MACROCHLAMYS POLITULA, G.-A. Singpho Hills.

- Fig. 3. Mantle-margin from the front, showing right shell-lobe and dorsal lobes, \times 1.5.
3 *a.* Ditto, showing left shell-lobe and left dorsal lobes, \times 4.5.
3 *b.* Genitalia, part of, \times 8.
3 *c.* Jaw, \times 24.
3 *d.* Teeth of the radula at different parts of the row, much enlarged.



MACROCHLAMYS.

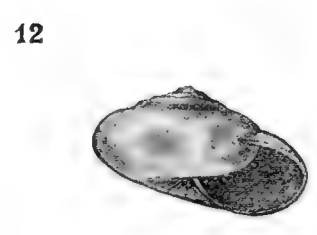
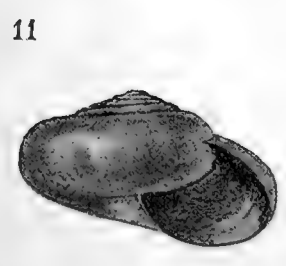
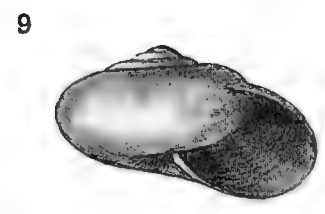
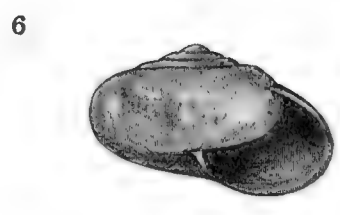
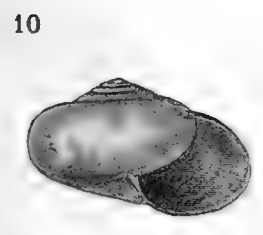
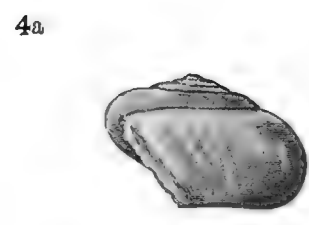
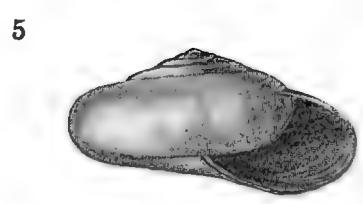
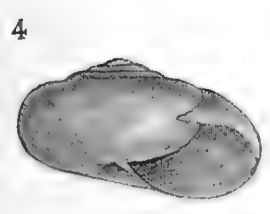
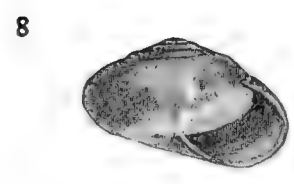
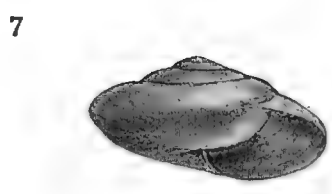
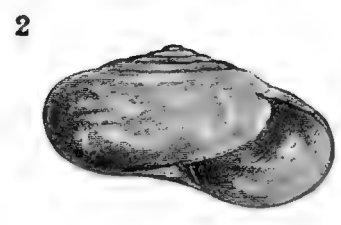
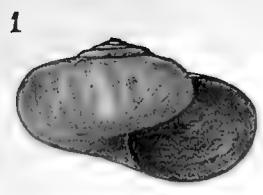




PLATE CXXI.

[Part XI.—*March* 1910.]

- | | | |
|-----------------------|-------------------------------------------------|---------------------------|
| Figs. 1, 1 <i>a</i> . | MACROCHLAMYS VESICULA , Bs., × 2·5. | Mussoorie, N.W. Himalaya. |
| 2. | —— VESICA , var., × 2·4. | Cachar. |
| 3. | —— GAROENSIS , n. sp., × 2·4. | Garo Hills. |
| 4, 4 <i>a</i> . | —— KURTZI , n. sp., × 2·4. | Arakan. |
| 5. | —— CACHARICA var. GLAUCA , × 2·4. | Borpani, Daffa Hills. |
| 6. | —— RABANI , n. sp. × 2·4. | Chittagong. |
| 7. | —— PROBA , n. sp., × 2·4. | Thyetmyo, Burma. |
| 8. | SAKIELLA? FIDA , n. sp., × 2·4. | Ditto. |
| 9. | MACROCHLAMYS CINCTULA , n. sp., × 2·4. | Dounggying, Burma. |
| 10. | —— LUBRICATA , n. sp. Type. | Silchar, Cachar. |
| 11, 11 <i>a</i> . | —— ANDERSONIANA , Nevill. Type. | Ponsee, Yunan. |
| 12. | SAKIELLA HONESTA , Gould. | |



MACROCHLAMYS AND SAKIELLA

H. H. Godwin-Austen, del.

The Watford Engraving Co., Sculp.

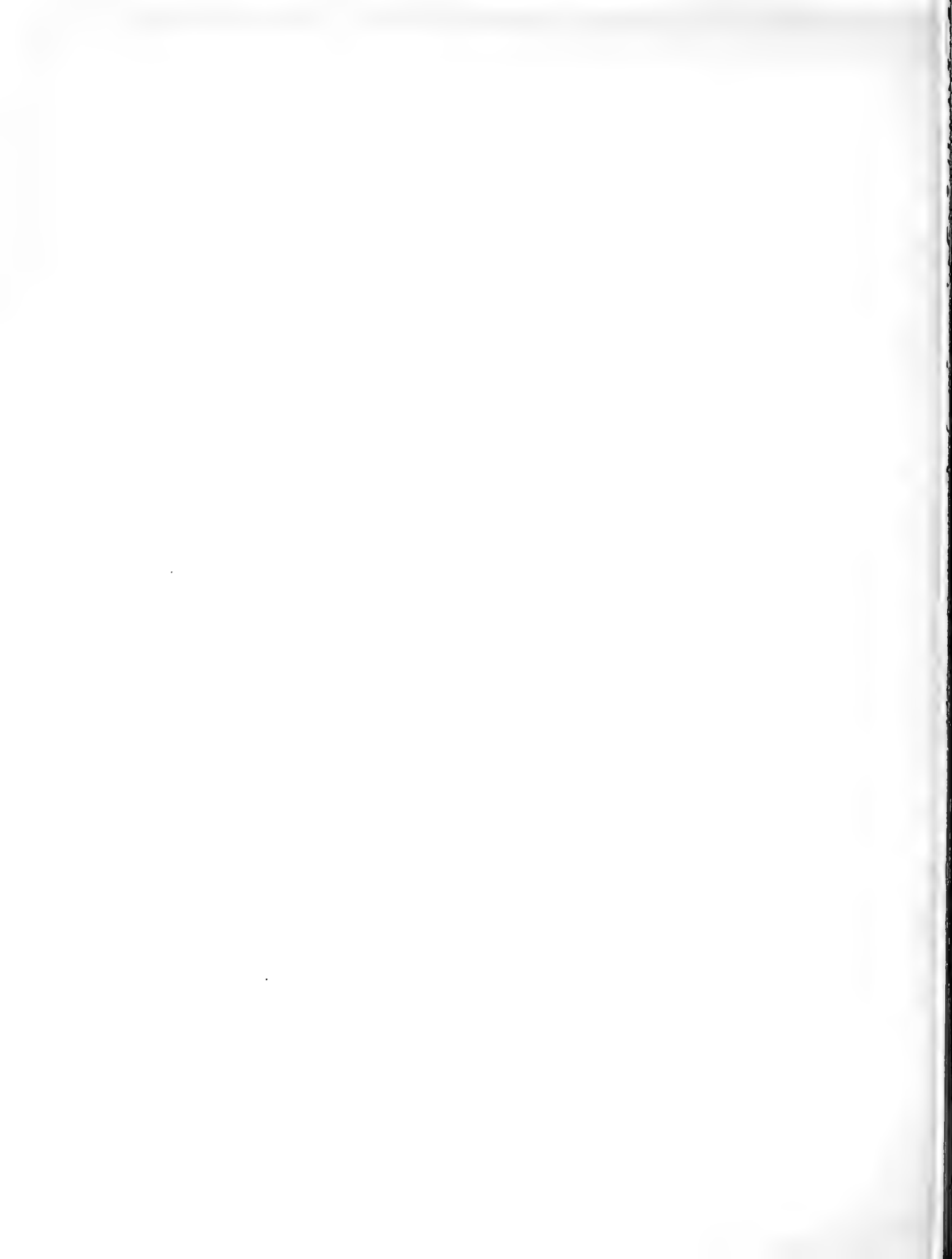


PLATE CXXII.

[Part XI.—*March* 1910.]

MACROCHLAMYS SUFFLAVA, n. sp. Typical. Lhota Naga Hills.

- Fig. 1. Genitalia, $\times 8$. With spermatophore within the spermatheca. Amatorial organ shown detached.
- 1 *a*. A portion of the spermatophore, part of the flume, much enlarged.
- 1 *b*. Ditto Ditto end of capsule, $\times 46$.
- 1 *c*. Ditto Ditto spines at base of capsule, $\times 46$.

MACROCHLAMYS SUFFLAVA, n. sp. Eastern Burreil Range.

- Fig. 2. Genitalia, $\times 19$. *ep*, epiphallus.
- 2 *a*. Portion of the male organ, at retractor muscle attachment, with small coiled caecum.
- 2 *b*. Portion seen from the other side, much enlarged.
- 2 *c*. Jaw, $\times 12$.

MACROCHLAMYS SUFFLAVA, n. sp. Naga Hills.

- Fig. 3. Spermatophore, part of. *cap*, capsule; *fl*, flume, much enlarged.

MACROCHLAMYS SUFFLAVA, n. sp. Hengdan Peak, N. Cachar.

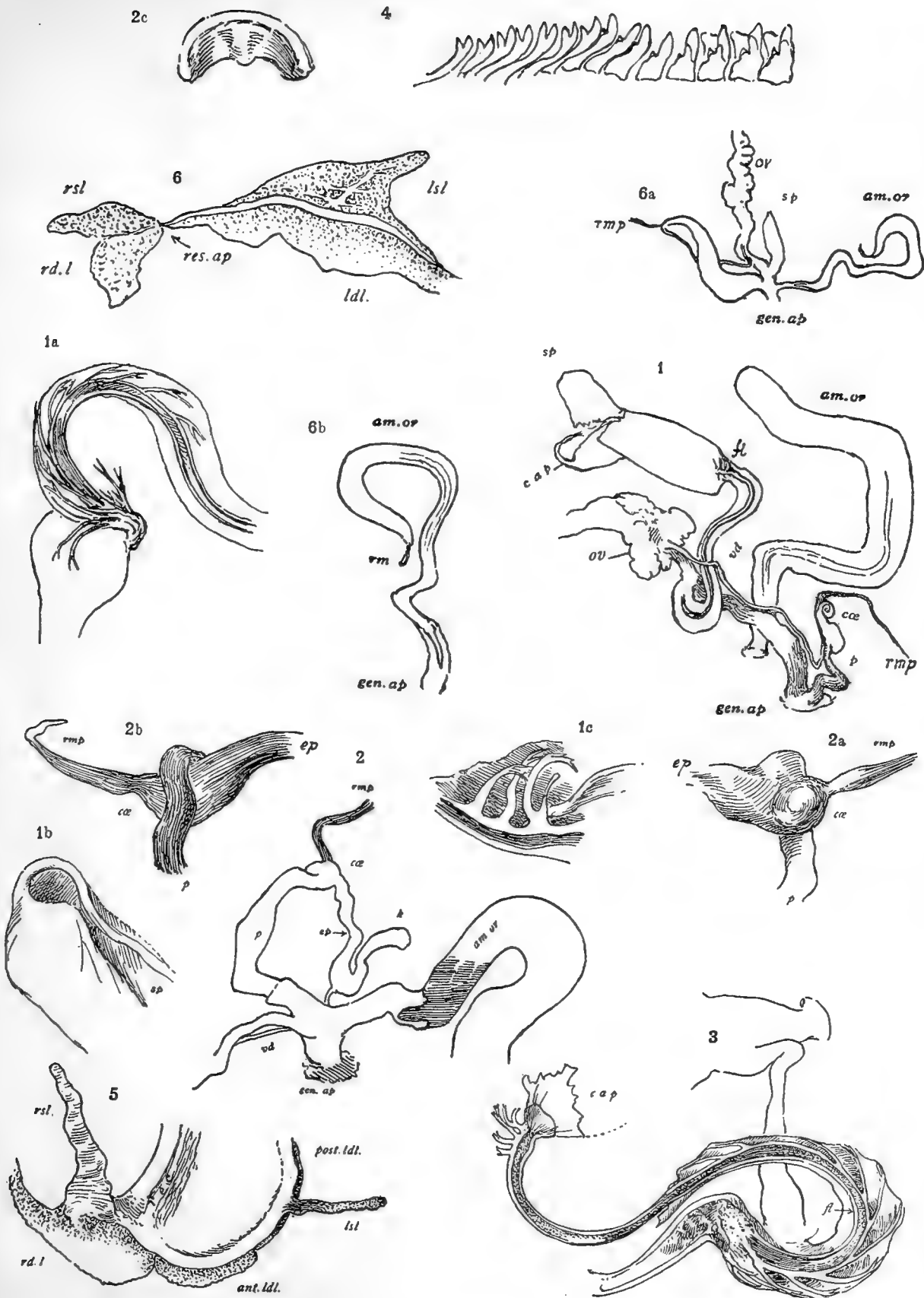
- Fig. 4. Part of the radula, $\times 368$.

MACROCHLAMYS VESICA var. OGLEI, n. Diyung Valley, Singpho Hills.

- Fig. 5. Mantle-zone showing shell-lobes detached from the animal, $\times 6.5$.

CRYPTAUSTENIA MOYONGENSIS, n. sp. N. Khasi Hills.

- Fig. 6. Mantle-zone detached from the animal, $\times 4.5$.
- 6 *a*. Genitalia, part of, $\times 4.5$.
- 6 *b*. Amatorial organ, $\times 8$.
- am. or*, amatorial organ; *cae*, caecum near retractor muscle of penis; *gen. ap*, generative aperture; *ov*, oviduct; *p*, penis; *r.m.p*, retractor muscle of penis; *fl*, flume of spermatophore, *vide* fig. 1 *c*; *cap*, capsule of spermatophore, *vide* fig. 1 *b*.



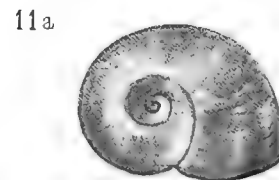
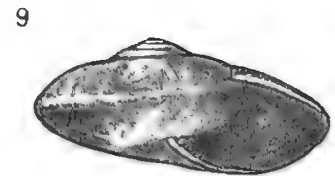
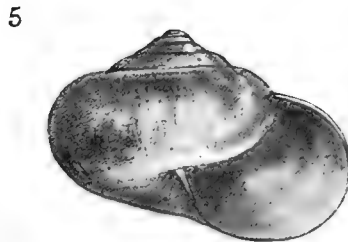
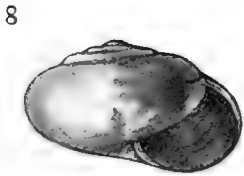
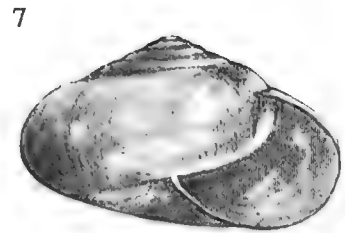
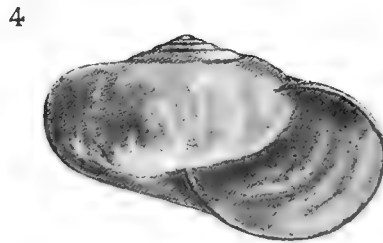
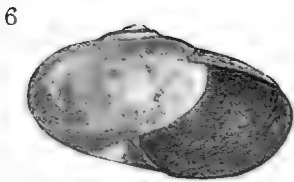
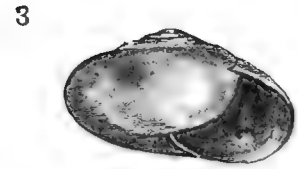
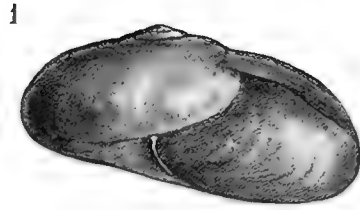
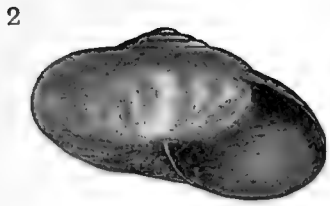
MACROCHLAMYS AND CRYPTAUSTENIA.



PLATE CXXIII.

[Part XI.—*March* 1910.]

- | | | |
|--------------|-----------------------------------------------------------|---------------------------------|
| Fig. 1, 1 a. | <i>EUAUSTENIA LUMSDENI</i> , n. sp., × 2·5. | Kuram Valley,
N.W. Frontier. |
| 2, 2 a. | <i>MACROCHLAMYS HERBIA</i> , n. sp., × 4·5. | Naga Hills. |
| 3, 3 a. | — <i>PROPINQUA</i> , n. sp., × 4·5. | Ditto. |
| 4. | — <i>GANJAMENSIS</i> , n. sp., × 2·5. | Ganjam. |
| 5. | — —, another specimen, × 2·5. | Ditto. |
| 6. | — <i>VERTEX</i> , n. sp., × 4·5. | Naga Hills. |
| 7. | — <i>SILVATICA</i> , n. sp., × 2·5. | Daffa Hills. |
| 8. | — <i>RAMRIENSIS</i> , Blanford MS., × 2·5. | Ramri Island. |
| 9. | <i>MACROCHLAMYS</i> ? <i>SYLHETENSIS</i> , n. sp., × 2·5. | Sylhet. |
| 10, 10 a. | <i>CRYPTAUSTENIA BENSONI</i> , Pfr., var. × 2·5. | Rajmahal. |
| 11, 11 a. | — <i>OVATA</i> , H. Blf., × 2·5. | Darjiling. |
| 12. | <i>DURGELLA EDEANA</i> , n. sp., × 4·5. | Cachar. |



EUAUSTENIA. MACROCHLAMYS, CRYPTAUSTENIA AND DURGELLA.

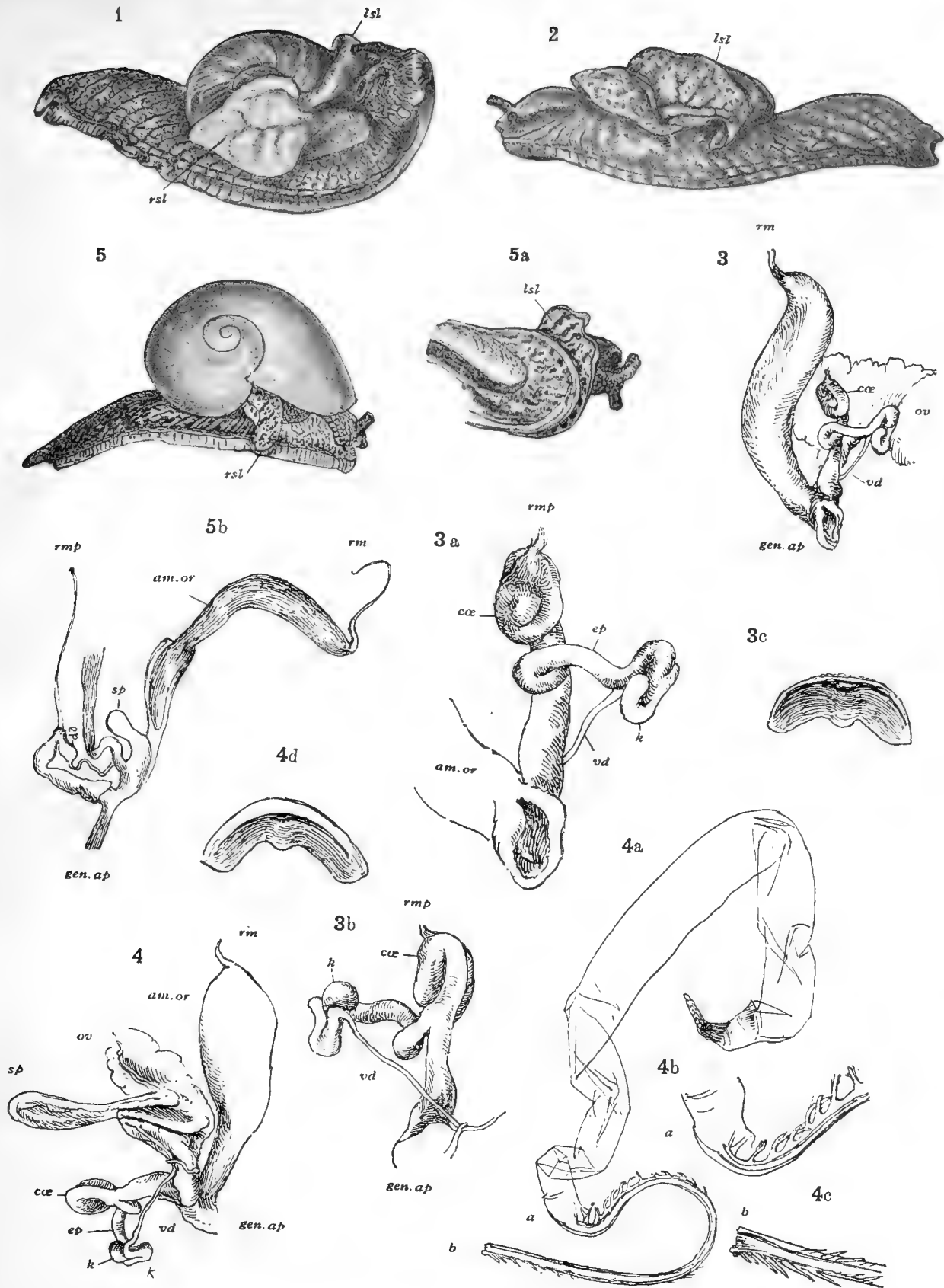




PLATE CXXIV.

[Part XI.—*March* 1910.]

- | | | |
|-------------|-------------------------------------------------------------------------|------------|
| Fig. 1. | <i>EUAUSTENIA CASSIDA</i> , Hutton, × 2·5. | Simla. |
| 2. | — <i>CASSIDA</i> , var. <i>STOLICZKANUS</i> , Nevill. | Naini Tal. |
| 3. | — <i>SCUTELLA</i> , Bs., part of genitalia, × 4·5. | Chamba. |
| 3 <i>a.</i> | — —, male organ, × 8. | Ditto. |
| 3 <i>b.</i> | — —, do. from other side, × 8. | Ditto. |
| 3 <i>c.</i> | — —, jaw, × 12. | Ditto. |
| 4. | — —, genitalia, × 4·5. | Murree. |
| 4 <i>a.</i> | — —, spermatophore. | Ditto. |
| 4 <i>b.</i> | — —, (<i>a</i>) base of capsule, × 24. | Ditto. |
| 4 <i>c.</i> | — —, (<i>b</i>) base of flume, × 24. | Ditto. |
| 4 <i>d.</i> | — —, jaw, × 12. | Ditto. |
| 5. | <i>CRYPTAUSTENIA BENSONI</i> , Pfr., animal, view of right side, × 4·5. | Rajmahal. |
| 5 <i>a.</i> | — —, fore part of body viewed from above, × 4·5. | Ditto. |
| 5 <i>b.</i> | — —, genitalia, × 12. | Ditto. |



EUAUSTENIA AND CRYPTAUSTENIA

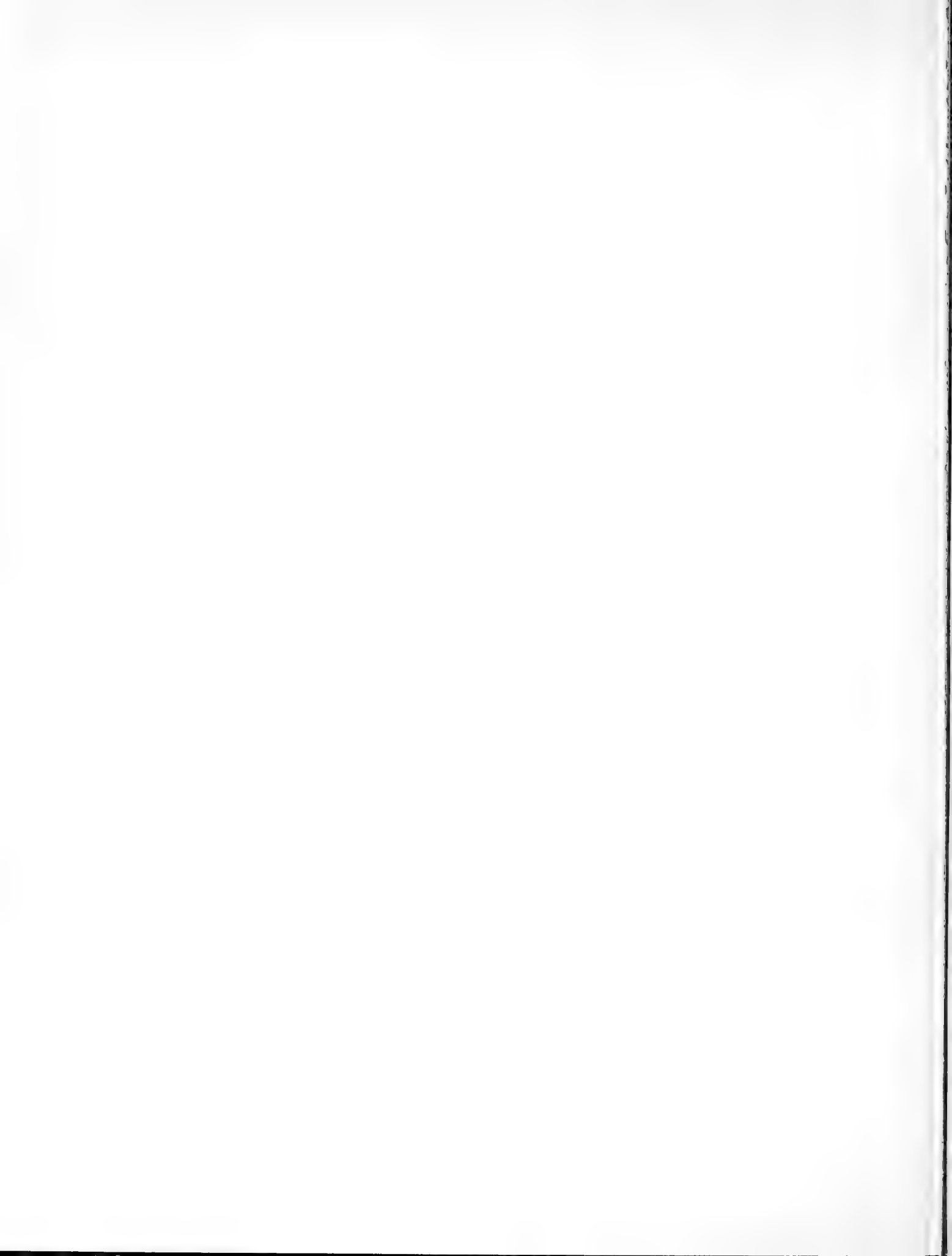
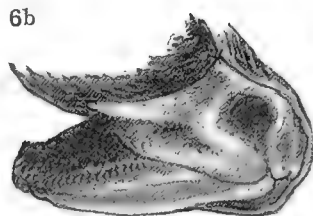
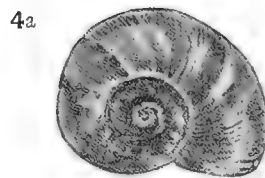
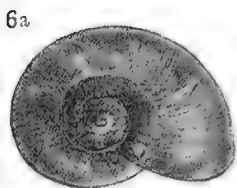
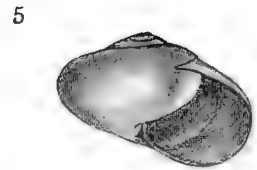
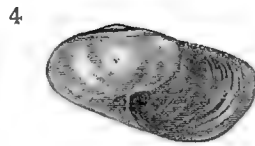
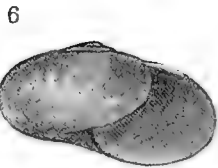
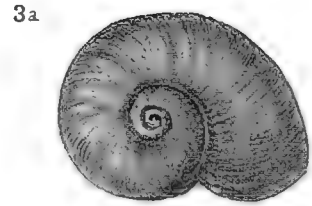
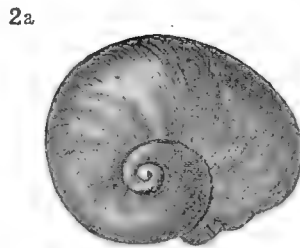
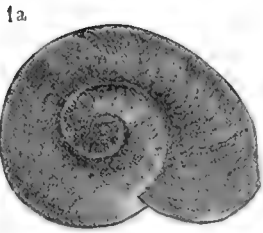
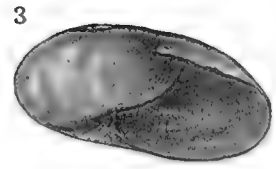
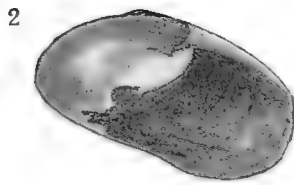
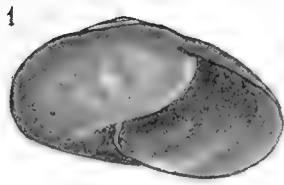




PLATE CXXV.

[Part XI.—*March* 1910.]

- Fig. 1, 1 *a.* *CYPTAUSTENIA SILCHARENSIS*, G.-A., $\times 2.5$. Cachar.
2, 2 *a.* — *RARHIENSIS*, n. sp., $\times 2.5$. Sikkim.
3, 3 *a.* — *OVUM*, n. sp., $\times 2.5$. Cachar.
4, 4 *a.* — *HELVA*, n. sp., $\times 2.5$. South Sylhet Hills.
5, 5 *a.* — *NONGSINGRIENSIS*, n. sp., $\times 2.5$. N.-West Khasi.
6, 6 *a.* *MACROCHLAMYS BEATA*, G.-A., $\times 2.5$. Daffa Hills.
6 *b.* Animal viewed from right side, right shell-lobe, &c.,
 $\times 4.5$.
6 *c.* Animal viewed from left side, left shell-lobe and foot,
 $\times 4.5$.



MACROCHLAMYS AND CRYPTAUSTENIA

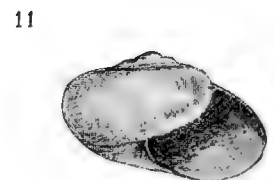
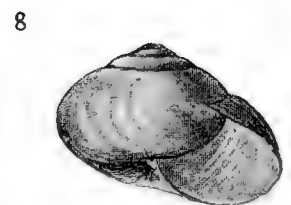
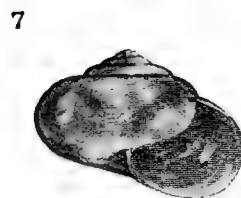
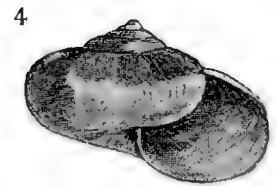
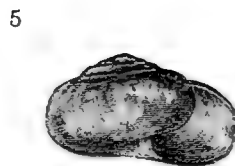
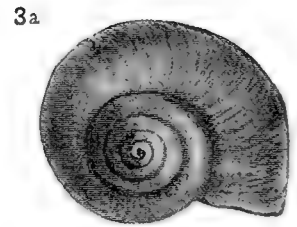
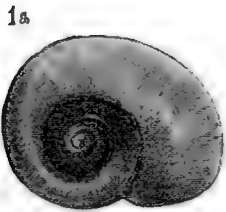
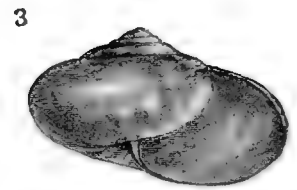
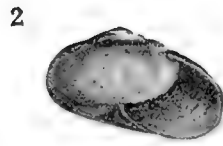
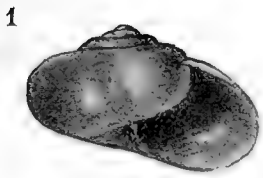




PLATE CXXVI.

[Part XI.—*March* 1910.]

- | | | |
|----------------------|-----------------------------------------------|-------------------------|
| Fig. 1, 1 <i>a</i> . | MACROCHLAMYS SCYPHUS, n. sp., × 2·5. | Teria Ghat. |
| 2, 2 <i>a</i> . | — SALTUS, n. sp., × 2·5. | Moyong, N.W. Khasi. |
| 3, 3 <i>a</i> . | — LAHUPAENSIS, n. sp., × 2·5. | N.E. Manipur. |
| 4. | — SUBANGULATA, n. sp., × 2·5. | Burrail Range, Naga. |
| 5. | — JAPVOENSIS, n. sp., × 2·5. | Japvo Peak, Naga Hills. |
| 6, 6 <i>a</i> . | — SPHERICA, n. sp., × 2·5. | N.W. Khasi. |
| 7. | — NEMOTHAENSIS, n. sp., × 2·5. | Cachar. |
| 8. | MACROCHLAMYS? MUNIPURENSIS, n. sp., × 2·5. | Manipur. |
| 9. | MACROCHLAMYS BILINEATA, Godwin-Austen, × 2·5. | Dafla Hills. |
| 10. | MACROCHLAMYS? STRIATA, n. sp., × 2·5. | Cachar. |
| 11. | MACROCHLAMYS EVIDENS, n. sp., × 2·5. | Darjiling. |



CRYPTAUSTENIA AND MACROCHLAMYS.

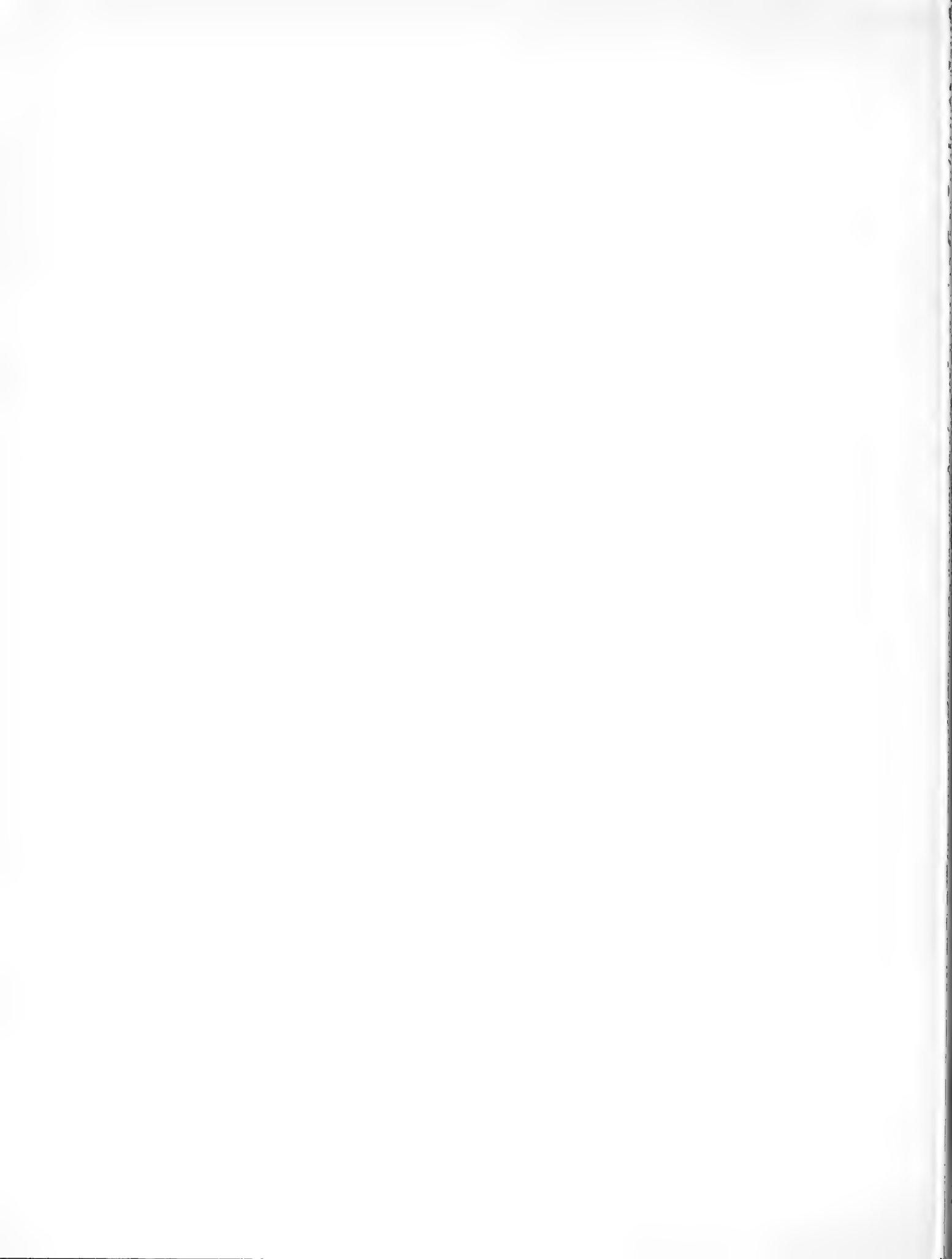


PLATE CXXVII.

[Part XI.—*March* 1910.]

EURYCHLAMYS TODARUM, W. & H. Blf. Travancore.

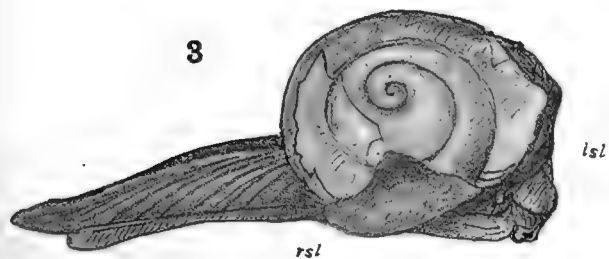
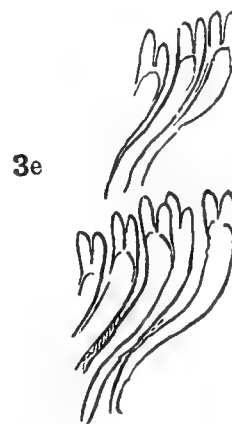
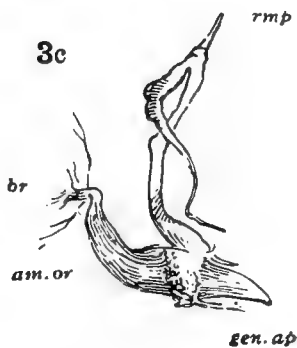
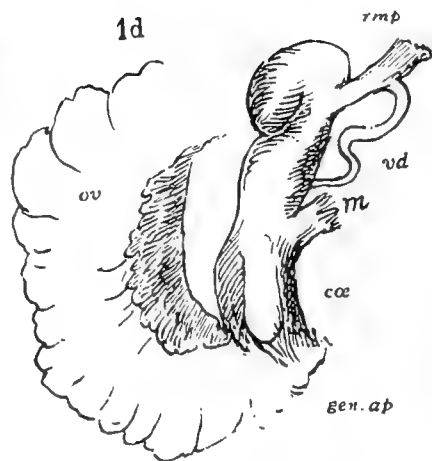
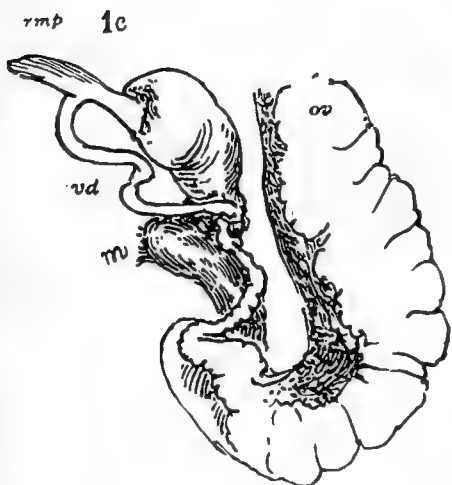
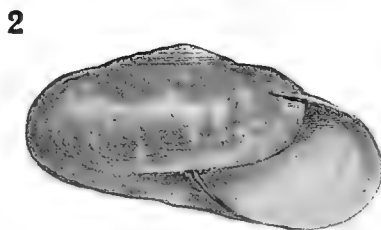
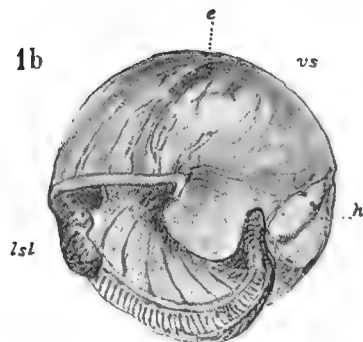
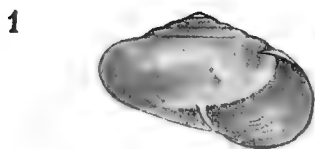
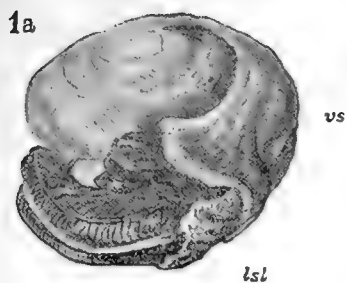
- Fig. 1. Shell, $\times 2.4$.
1 *a.* Animal, shell removed, seen from right side and above, to show the mantle-zone and shell-lobes, $\times 4.5$.
1 *b.* Ditto, viewed from the left side, $\times 4.5$.
1 *c.* Part of the genitalia, $\times 8$.
1 *d.* Ditto, the same parts, seen from the other side, $\times 8$.

- Fig. 2. EURYCHLAMYS BLANFORDI, n. sp. Baroda.

LEPTODONTARION TAVOYENSIS, n. sp. Tavoy, Tenasserim.

- Fig. 3. Animal viewed from the right side, $\times 4$.
3 *a.* Ditto, left side, $\times 4$.
3 *b.* Extremity of foot, sole of, and mucous gland, $\times 8$.
3 *c.* Portion of the genitalia, $\times 12$.
3 *d.* Jaw, $\times 12$.
3 *e.* A few teeth of the radula, very much enlarged. Five separate (on right side of plate) from near the margin, very much enlarged.

am.or., amatorial organ; *br.*, wall of branchial sac; *cæ.*, cæcum; *e.*, eye tentacle, position of; *h.*, heart; *gen.ap.*, genital aperture; *l.s.l.*, left shell-lobe; *ov.*, oviduct; *r.m.p.*, retractor muscle penis; *r.s.l.*, right shell-lobe; *v.s.*, visceral sac; *v.d.*, vas deferens.



EURYCHLAMYS AND LEPTODONTARION.

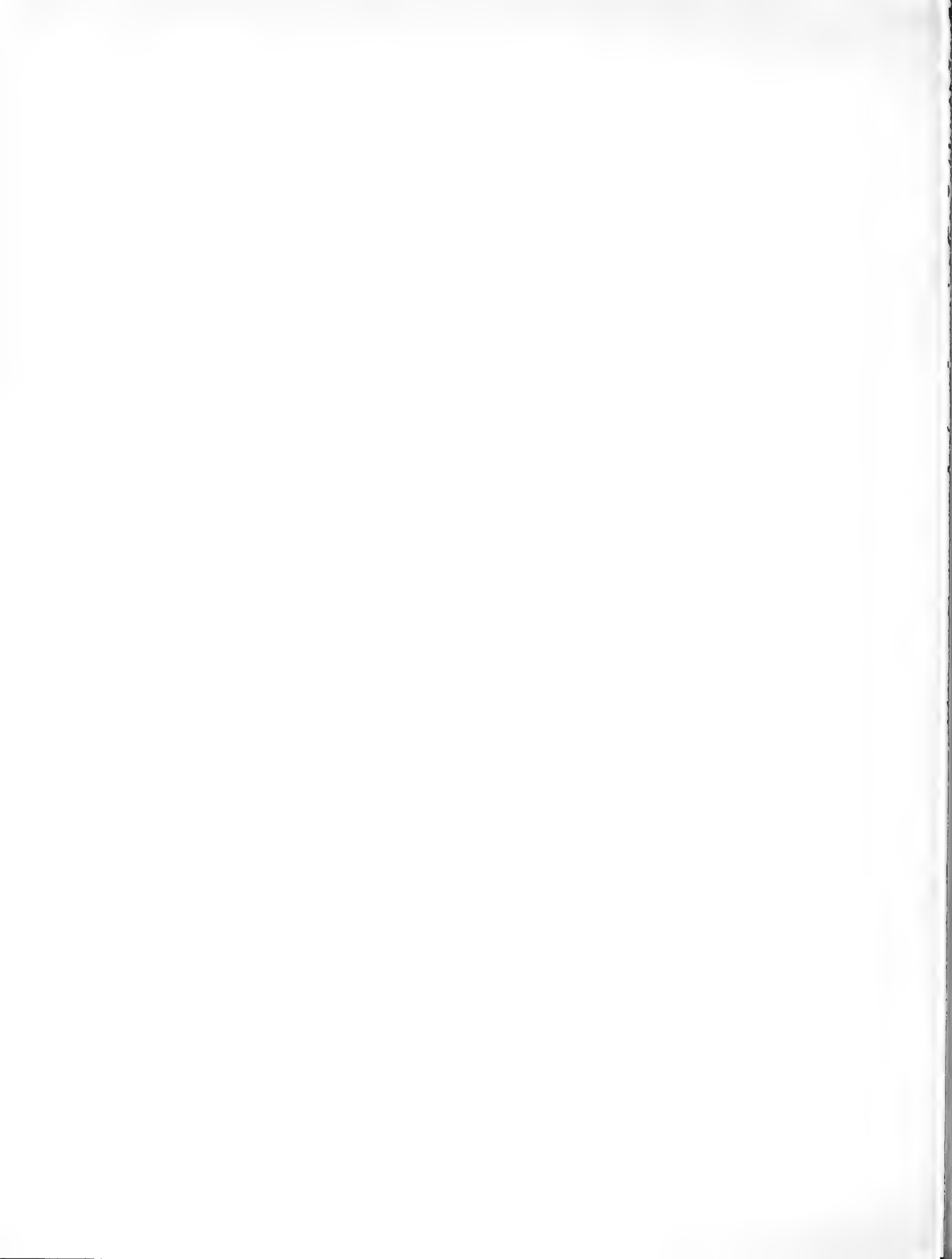
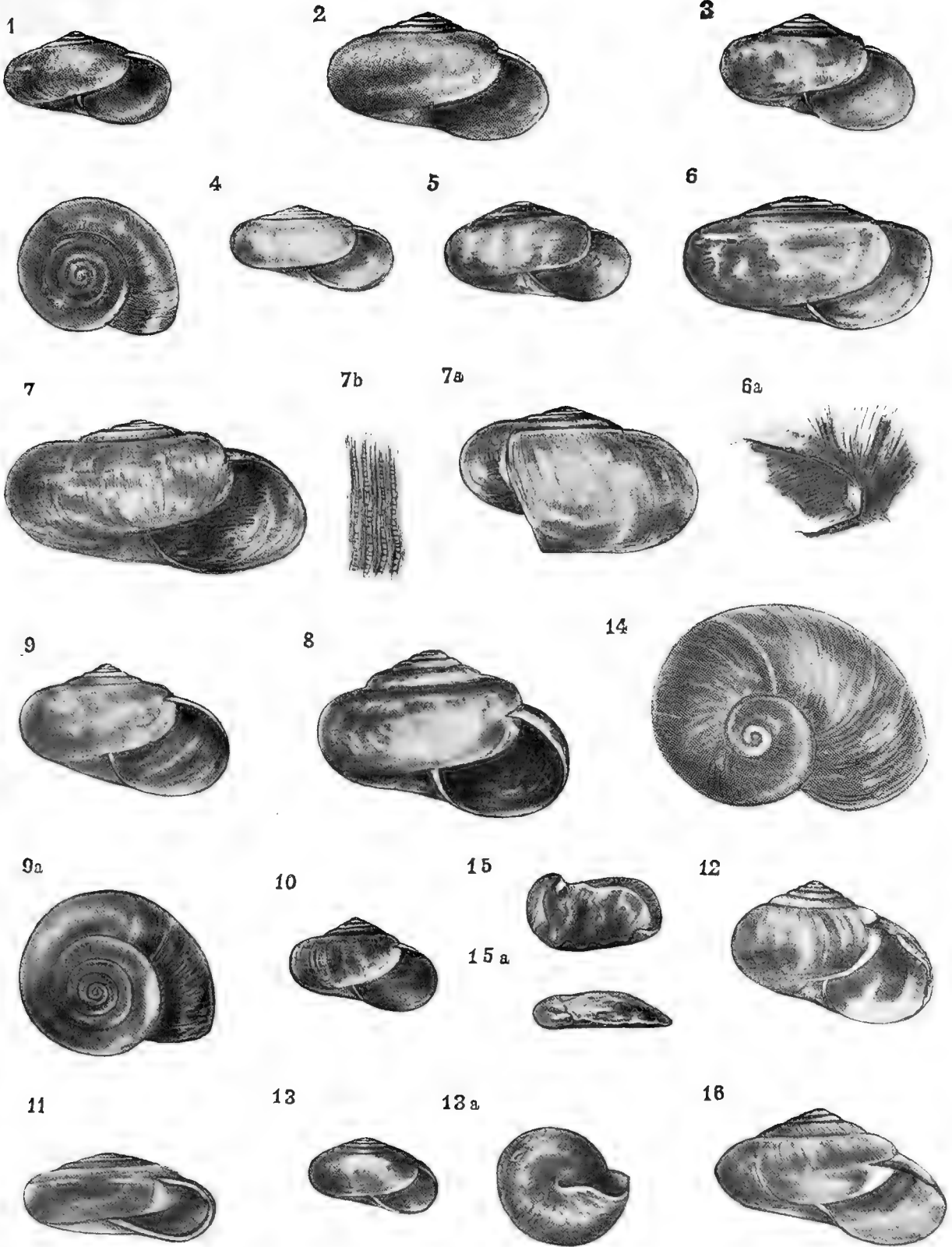




PLATE CXXVIII.

[Part XI.—*March* 1910.]

Fig. 1, 1 <i>a</i> .	MACROCHLAMYS RAKAENSIS, G.-A., × 2·5.	Darjiling.
2.	— CHAOS, W. Blanford, × 2·5.	Burma.
3.	— SACRATA, n. sp., × 2·5.	Parasnath.
4.	— EXTRARIA, n. sp., × 2·5.	Munipur.
5.	— TERMINUS, Godwin-Austen, × 2·5.	East Assam.
6, 6 <i>a</i> .	— STEPHUS, Bs. Young, × 8.	Andamans.
7, 7 <i>a</i> , 7 <i>b</i> .	— SUPERFLUA, W. Blanford, × 2·5.	Sikhim.
8.	— KUMAHENSIS, Theobald & Stoliczka, × 4·5.	Arakan.
9, 9 <i>a</i> .	— RADIA, n. sp., × 2·5.	Murrec.
10.	— GLAUCA, Bs., × 2·5.	Bhim Tal.
11.	— HYALINOIDEA, n. sp., × 4·5.	Punjab.
12.	— KULUENSIS, Blf., × 2·5.	Kulu.
13, 13 <i>a</i> .	— UDA, Godwin-Austen, × 2·5.	Burrail Range.
14.	CRYPTAUSTENIA HETEROCONCHA, W. Blanford, × 2·5.	North Bengal.
15, 15 <i>a</i> .	AUSTENIA ANNANDALEI, n. sp., nat. size.	North Bengal.
16.	SAKIELLA MERGUIENSIS, n. sp., × 2·5.	Mergui.



MACROCHLAMYS, CRYPTAUSTENIA, GIRASIA AND SAKIELLA.

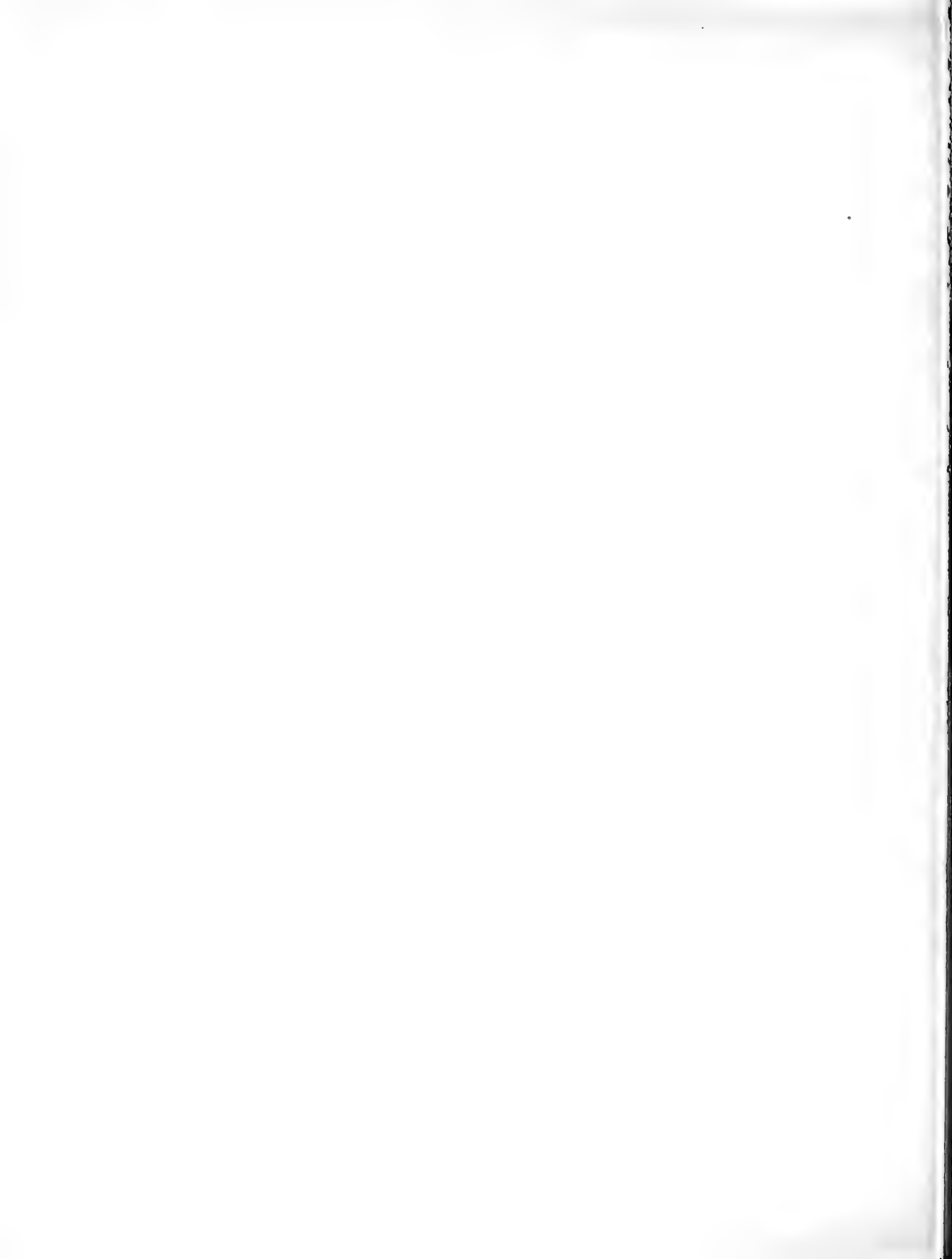




PLATE CXXIX.

[Part XI.—*March* 1910.]

SAKIELLA MERGUIENSIS, n. sp. Mergui.

- Fig. 1. Extremity of foot and mantle-zone, $\times 4.5$.
1 a. Mantle-zone and part near rectum showing the shell-lobes, $\times 4.5$.
1 b. Genitalia (part of), enlarged.
1 c. Jaw, $\times 24$.
1 d. Central, admedian and lateral teeth of the radula, $\times 368$.

DURGELLA EDEANA, n. sp. Cachar.

- Fig. 2. Jaw, $\times 30$.
2 a. Some teeth of the radula, $\times 368$.

SARIKA THEODORI, Phil. Mergui.

- Fig. 3. Extremity of the foot, $\times 2.5$.
3 a. Genitalia, part of, $\times 2.5$.
3 b. Jaw, $\times 30$.
3 c. Central, admedian and lateral teeth of the radula, $\times 368$.

MACROCHLAMYS SACRATA, n. sp. Parashath.

- Fig. 4. Part of the amatorial organ.

MACROCHLAMYS GLAUCA, Bs. Kumaon.

- Fig. 5. Some teeth of the radula, $\times 368$.
5 a. Portion of the genitalia, $\times 24$.

MACROCHLAMYS LUBRICATA, n. sp. Cachar.

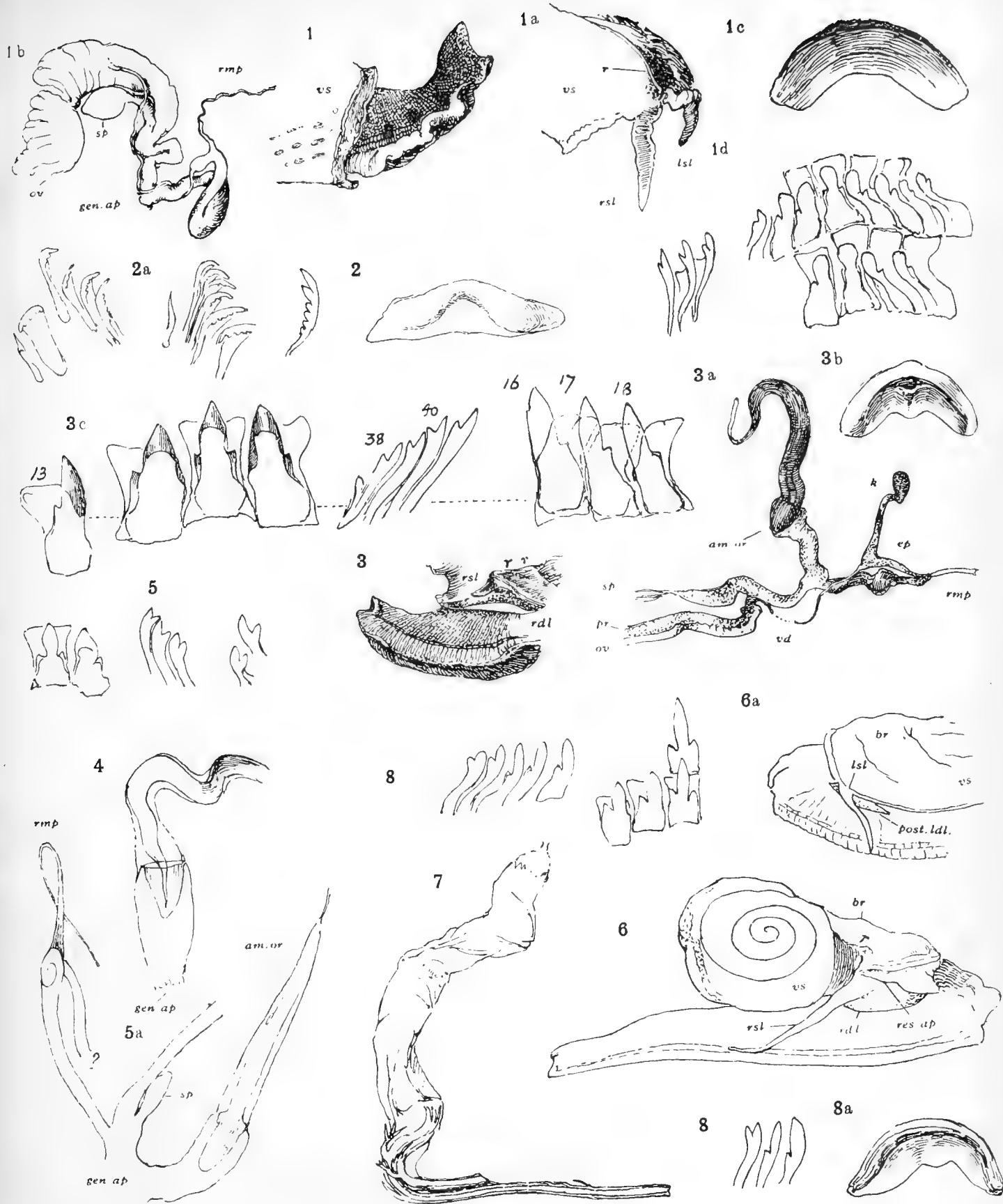
- Fig. 6. Animal viewed from the right side, $\times 4.5$.
6 a. Ditto, fore part from the left side, $\times 4.5$.

MACROCHLAMYS KULUENSIS, Blf. Kulu.

- Fig. 7. Portion of a spermatophore, $\times 12$.

MACROCHLAMYS SUPFLAVA, n. sp.

- Fig. 8. Teeth of the radula at different parts of the row, $\times 368$. Naga Hills.
8 a. Jaw, $\times 30$. North Cachar.



SAKIELLA, SARIKA, DURGELLA AND MACROCHLAMYS.



PLATE CXXX.

[Part XI.—*March* 1910.]

AUSTENIA ANNANDALEI, n. sp. North Bengal.

- Fig. 1. Animal viewed from the right side, \times about 1.5.
1 *a.* Jaw, \times 4.8.
1 *b.* Teeth of the radula in different parts of the row, \times 295.
1 *c.* A portion of sheath of the penis, showing position of the spermatophore passing down it, \times 6.
1 *d.* A spermatophore removed from the spermatheca, \times 4.5.

AUSTENIA RESPLENDENS, G. Nevill. North Burma.

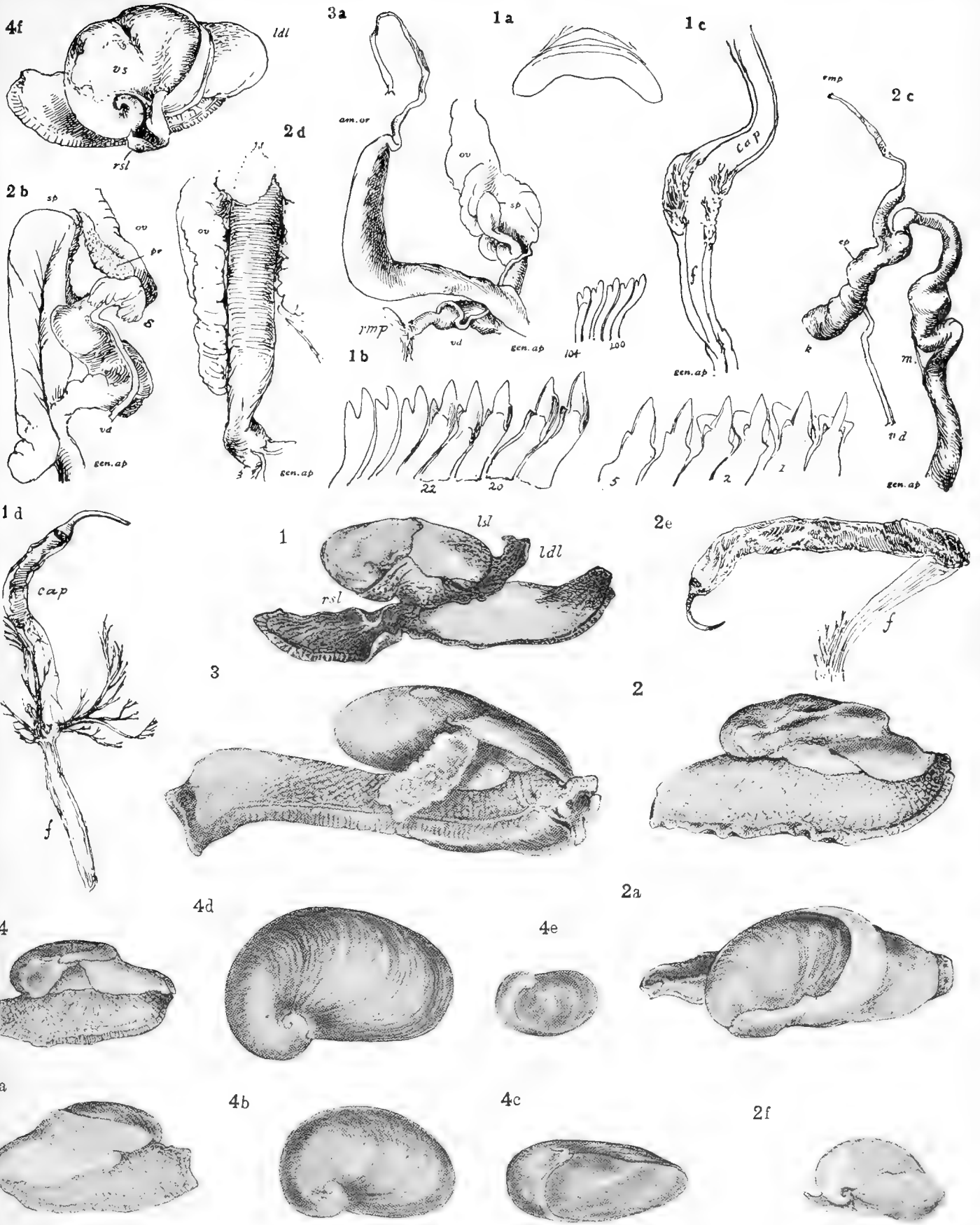
- Fig. 2. Animal viewed from the right side, natural size.
2 *a.* Ditto, the dorsal side, natural size.
2 *b.* Part of the genitalia, showing the spermatheca containing spermatophores and bent on itself in consequence, the oviduct, free oviduct, and vas deferens, \times 3.5.
2 *c.* The penis, \times 3.5.
2 *d.* The amatorial organ, \times 3.5.
2 *e.* A spermatophore taken out of the spermatheca.
2 *f.* Coil of the visceral sac, natural size.

CRYPTAUSTENIA HETEROCONCHA, H. F. Blanford. North Bengal.

- Fig. 3. Animal and shell as seen from the right side, \times 2.5.
3 *a.* The genitalia, \times 3.5.

AUSTENIA ROTUNDA, n. sp. Cachar.

- Fig. 4. Animal viewed from the right side, natural size.
4 *a.* Ditto, the left side, natural size.
4 *b.* Shell of a larger specimen, dorsal view, natural size.
4 *c.* Ditto, front view, natural size.
4 *d.* Shell removed from animal, \times 2.5.
4 *e.* Ditto, underside, natural size.
Compare with figure of *A. BUTLERI*, Pl. XC. fig. 5, also natural size.
4 *f.* The visceral sac with shell removed, showing the coil of the visceral sac, \times 2.



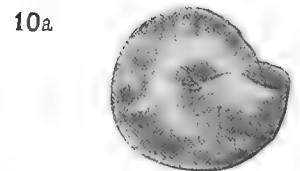
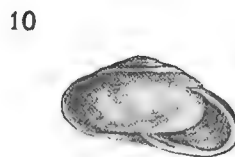
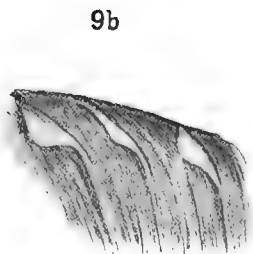
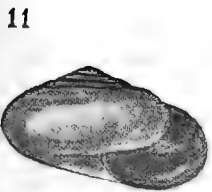
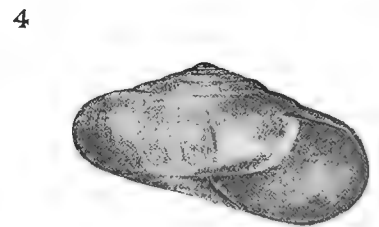
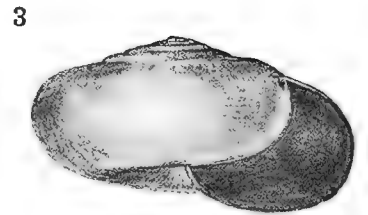
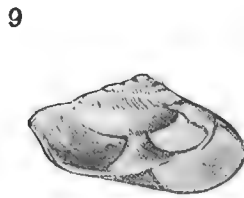
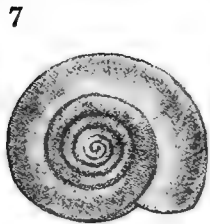
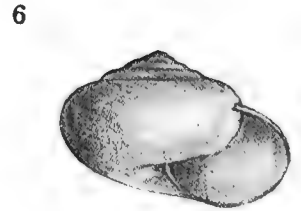
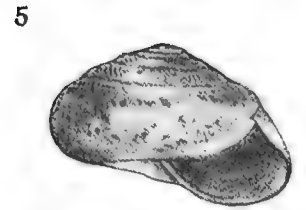
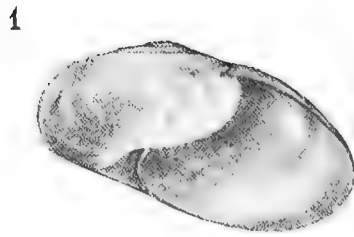
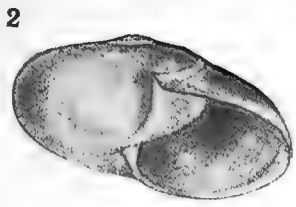
AUSTENIA AND CRYPTAUSTENIA.



PLATE CXXXI.

[Part XI.—*March* 1910.]

- | | | |
|--------------|-------------------------------------------------------------------------|--------------------|
| Fig. 1, 1 a. | EUAUSTENIA STOLICZKANA, Nevill, × 2·5. | N.W. Himalaya. |
| 2, 2 a. | DURGELLA ? ERRATICA, G.-A., × 4·5. | Pegu. |
| 3. | MACROCHLAMYS INDICA, var., × 2·5. | Cachar. |
| 4. | —— RENITENS, Morelet, large var., × 2·5. | Mauritius. |
| 5. | —— (?) DIKRANGENSIS, n. sp., × 2·5. | Dafra Hills. |
| 6. | —— MASONI, n. sp., × 2·5. | Saharanpur. |
| 7. | —— TERMINUS, G.-A., × 2·5. | Brahmakund. |
| 8. | —— TERMINALIS, n. sp., × 2·5. | Lhota Naga Hills. |
| 9, 9 a. | PSEUDOKALIELLA ORNATULA, n. sp., × 2·5. | Patkai Range. |
| 9 b. | —— ———, portion near the keel, showing flanges on upper margin of keel. | |
| 10, 10 a. | MACROCHLAMYS UDA, G.-A., small var., × 4·5. | Lahupa Naga Hills. |
| 11. | —— ANGIGYRATA, n. sp., × 2·5. | Cachar. |
| 12. | PSEUDOKALIELLA NEVILLI, G.-A., hairs near keel. | Sikhim. |



EUAUSTENIA, MACROCHLAMYS, DURGELLA &c.

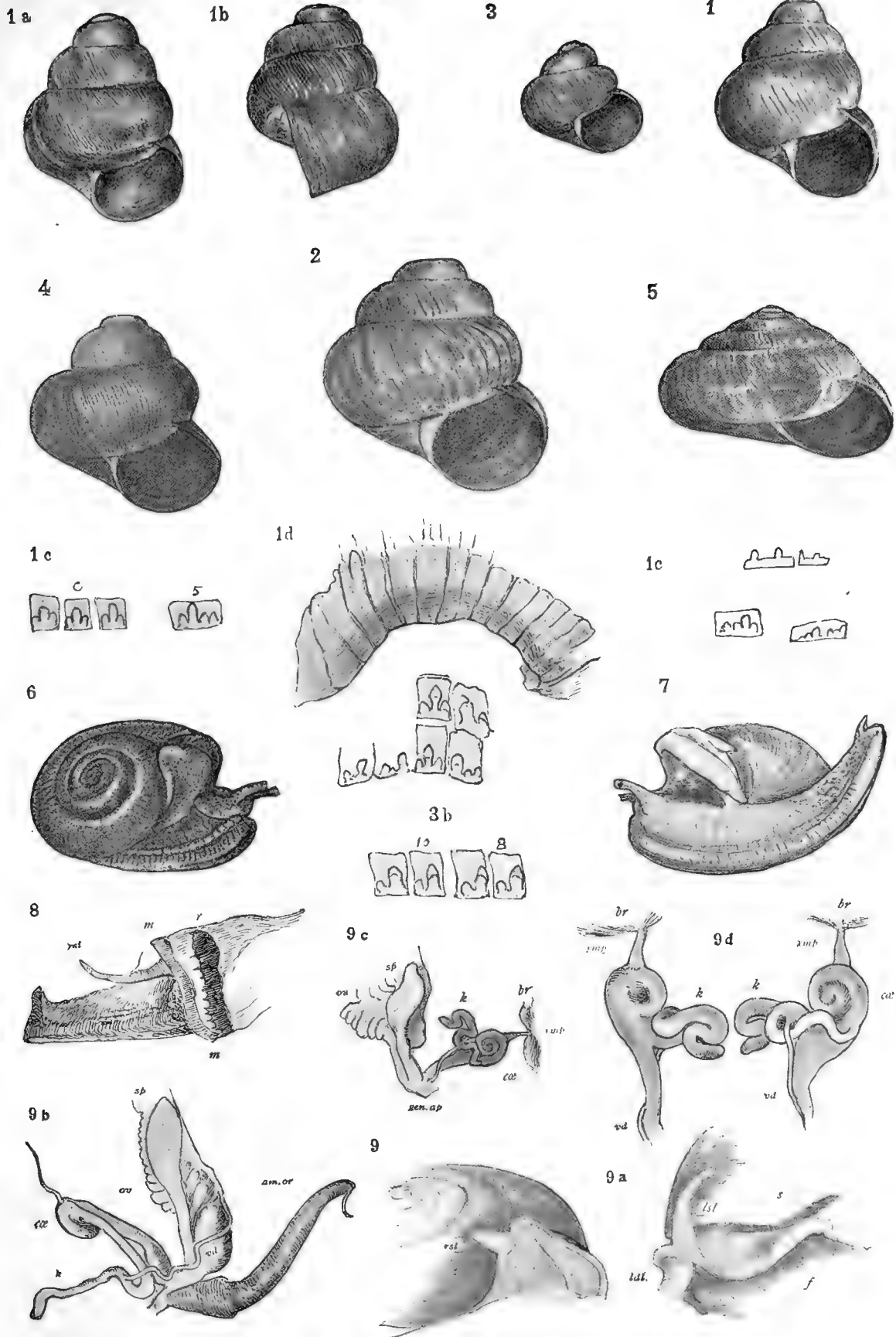




PLATE CXXXII.

[Part XI.—*March* 1910.]

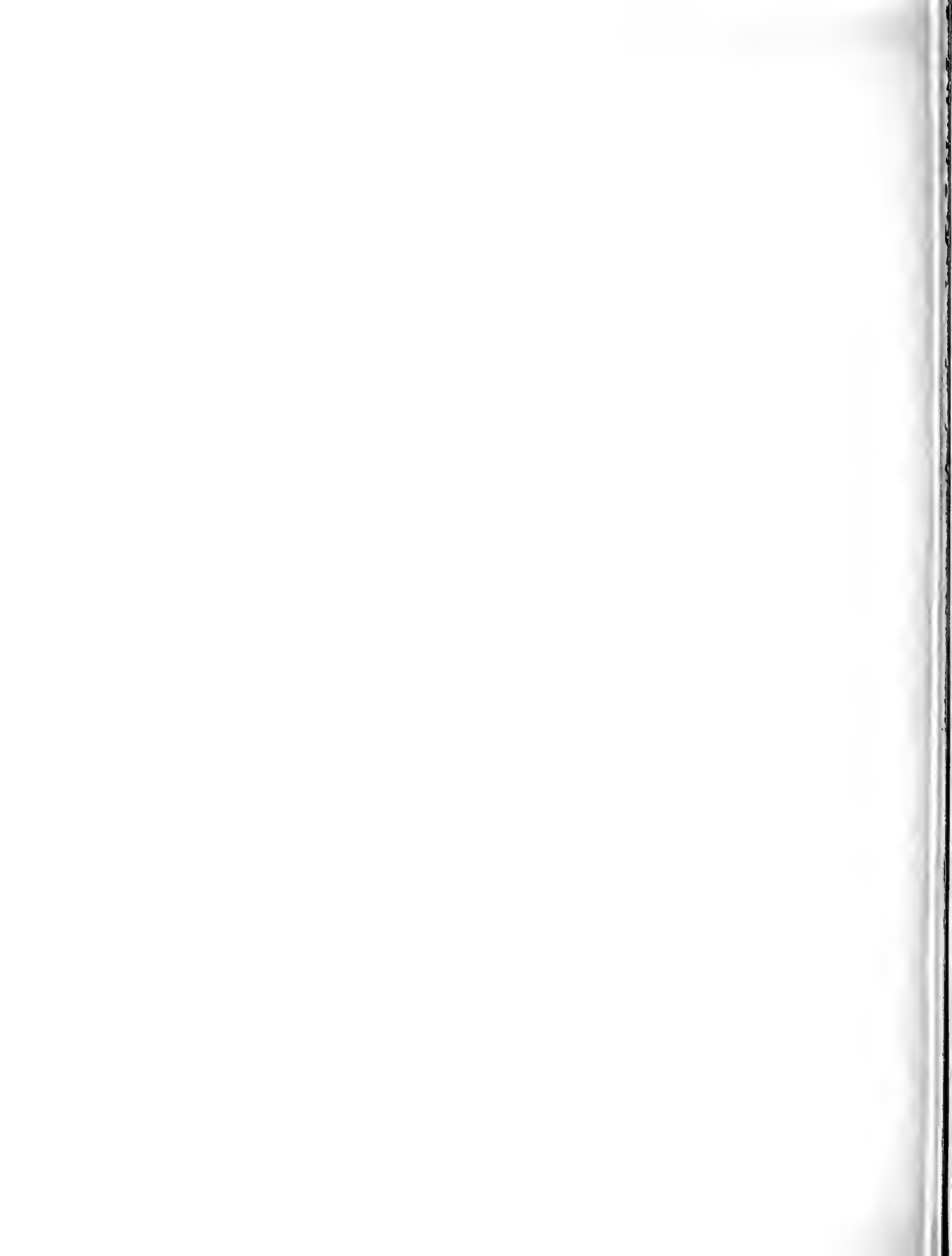
Fig. 1.	FUPISOMA MICCYLA, Benson, × 24.	Ceylon.
1 <i>a</i> , 1 <i>b</i> .	— —, another specimen, × 24.	Do.
1 <i>c</i> .	— —, some teeth of the radula.	
1 <i>d</i> .	— —, jaw, × 368.	Do.
2.	— —, sp., × 24.	Do.
3.	— LONGSTAFFI, n. sp., × 12.	Do.
3 <i>b</i> .	— —, some teeth of the radula, × 1,100.	Do.
4.	— CACHARICA, n. sp., × 24.	Cachar.
5.	MACROCHLAMYS STRIATICOSTATA, n. sp., × 4·5.	Cachar.
6.	— GLAUCA, Bs., viewed from the right side, × 4·5.	N.W. Himalaya.
7	— —, viewed from the left side, × 4·5.	Bhim Tal.
8.	— ANGIGYRATA, n. sp., the mantle-zone, × 12.	Cachar.
9, 9 <i>a</i> .	— INDICA, var., shell and dorsal lobes seen from right and left side of animal, × 4·5.	Cachar.
9 <i>b</i> .	— —, genitalia, × 8.	
9 <i>c</i> .	— —, genitalia, part of another specimen, × 4·5.	
9 <i>d</i> .	— —, the male organ of same seen from two opposite sides, × 8.	

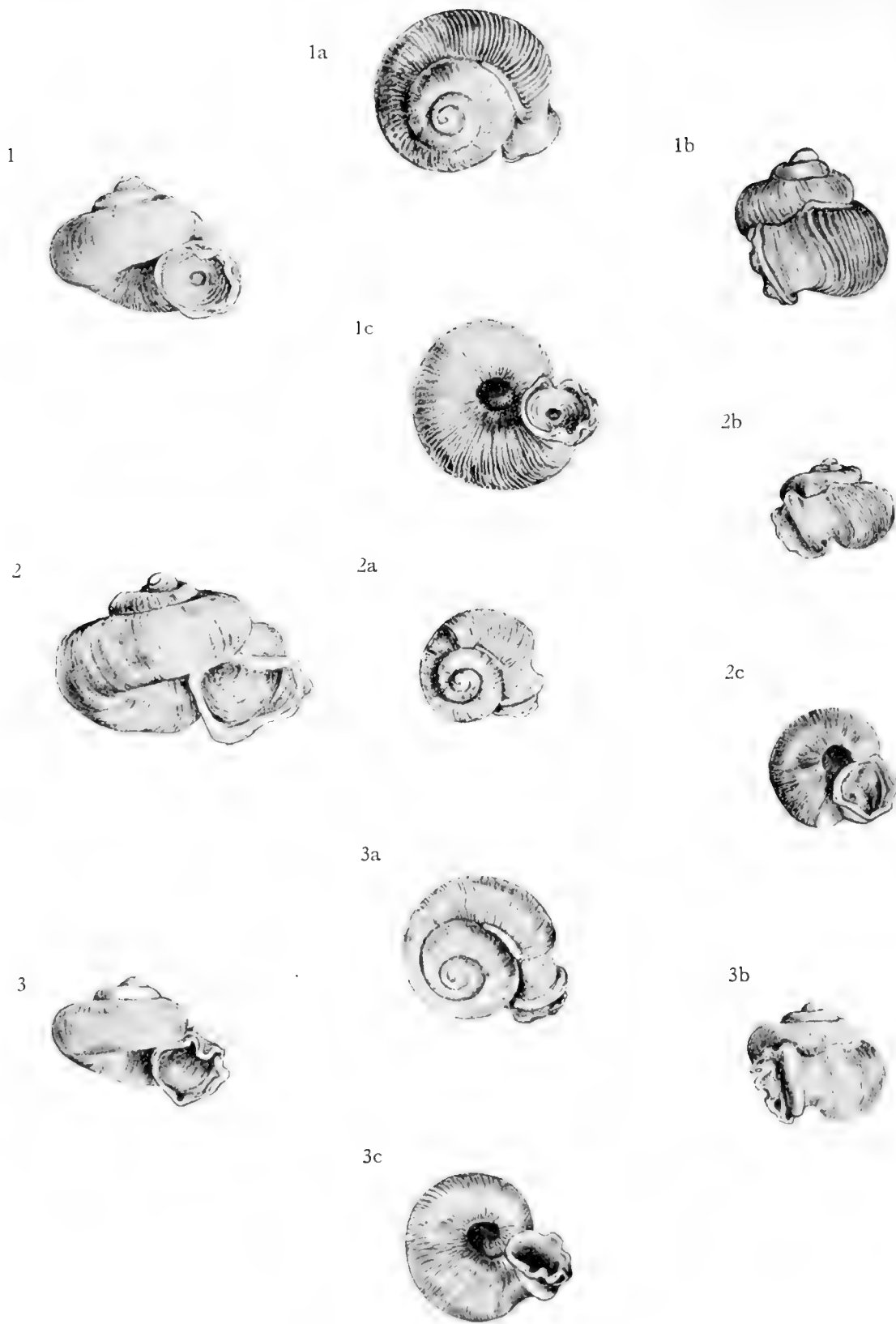


MACROCHLAMYS

AND

PUPISOMA.





ALYCAEUS.

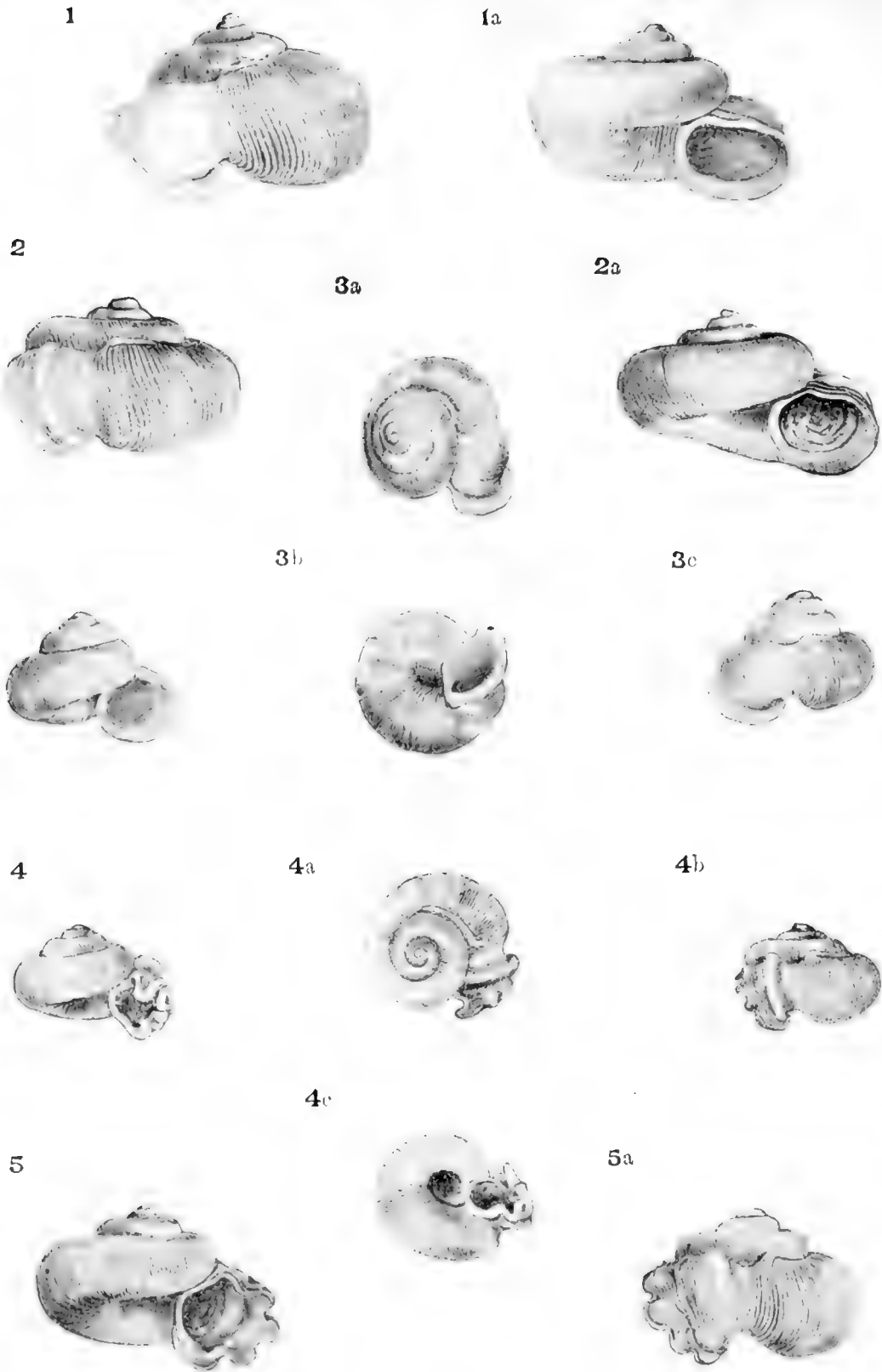
1389

PLATE CXXXIII.

[Part XII.—*December* 1914.]

Fig. 1, 1 <i>a</i> , 1 <i>b</i> , 1 <i>c</i> .	ALYCEUS CRENULATUS, Bs., × 8.	Western Bhutan.
2, 2 <i>a</i> , 2 <i>b</i> , 2 <i>c</i> .	— STYLIFER, Bs., × 8 & 4·5.	Ditto.
3, 3 <i>a</i> , 3 <i>b</i> , 3 <i>c</i> .	— PLECTOCHEILUS, Bs., large var., × 8.	Ditto.





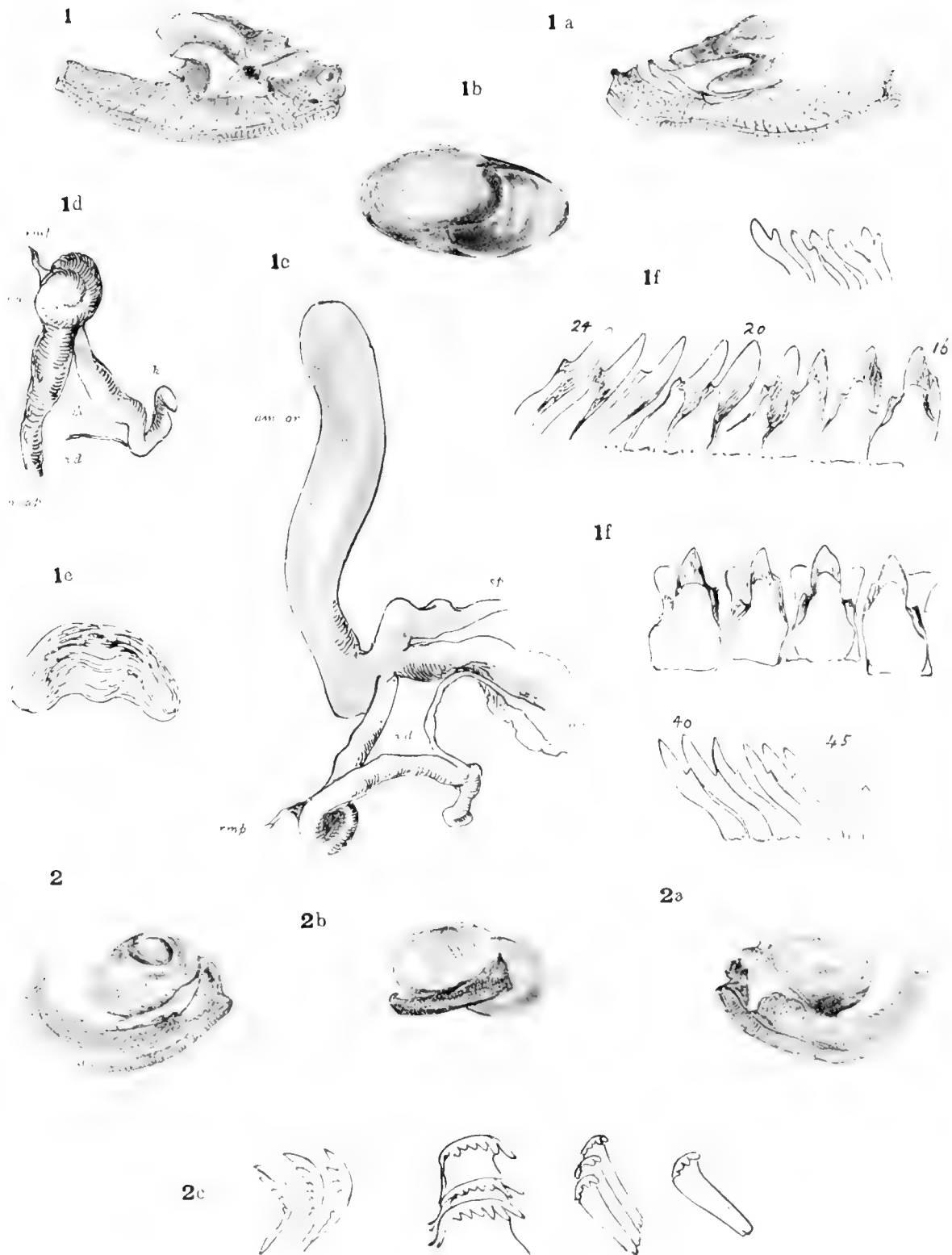
ALYCÆUS.

PLATE CXXXIV.

[Part XII.—December 1914.]

Fig. 1, 1 <i>a</i> .	ALYCÆUS PHYSIS, Bs., × 45.	Western Bhutan.
2, 2 <i>a</i> .	—— RECHILAENSIS, n. sp., × 8.	Ditto.
3, 3 <i>a</i> , 3 <i>b</i> , 3 <i>c</i> .	—— DALINGENSIS, n. sp., × 8.	Ditto.
4, 4 <i>a</i> , 4 <i>b</i> , 4 <i>c</i> .	—— PLECTOCHEILUS, Bs., typical sp., × 8.	Darjiling.
5, 5 <i>a</i> .	—— DIGITATUS, H. Blf., × 8.	Western Bhutan.





PARVATELLA & DURGELLA.

PLATE CXXXV.

[Part XII.—*December* 1914.]

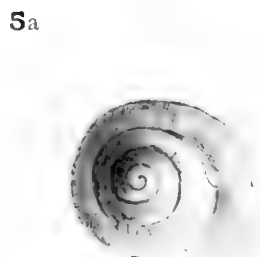
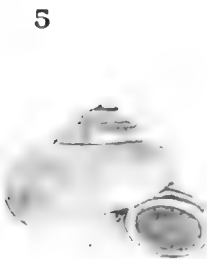
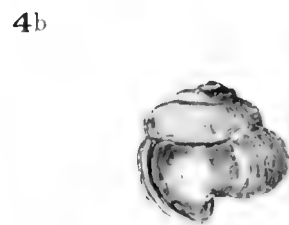
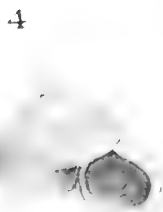
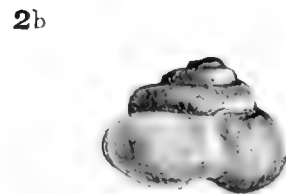
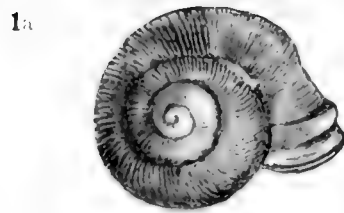
PARVATELLA SOGDIANA, von Martens. Samarkand.

- Fig. 1. Animal seen from right side, $\times 15$.
1 a. Ditto, left side, $\times 15$.
1 b. Shell, $\times 15$.
1 c. Part of generative organs, $\times 45$.
1 d. Male organ, $\times 45$.
1 e. Jaw, $\times 12$.
1 f. Teeth of the radula at different parts of the row, $\times 368$.

DURGELLA NAHARANIENSIS, G.-A. Assam.

- Fig. 2. Animal, right side of, $\times 45$.
2 a. Ditto, left side, $\times 45$.
2 b. Shell, front view with animal in hardened state, $\times 45$.
2 c. Some teeth of the radula, much enlarged



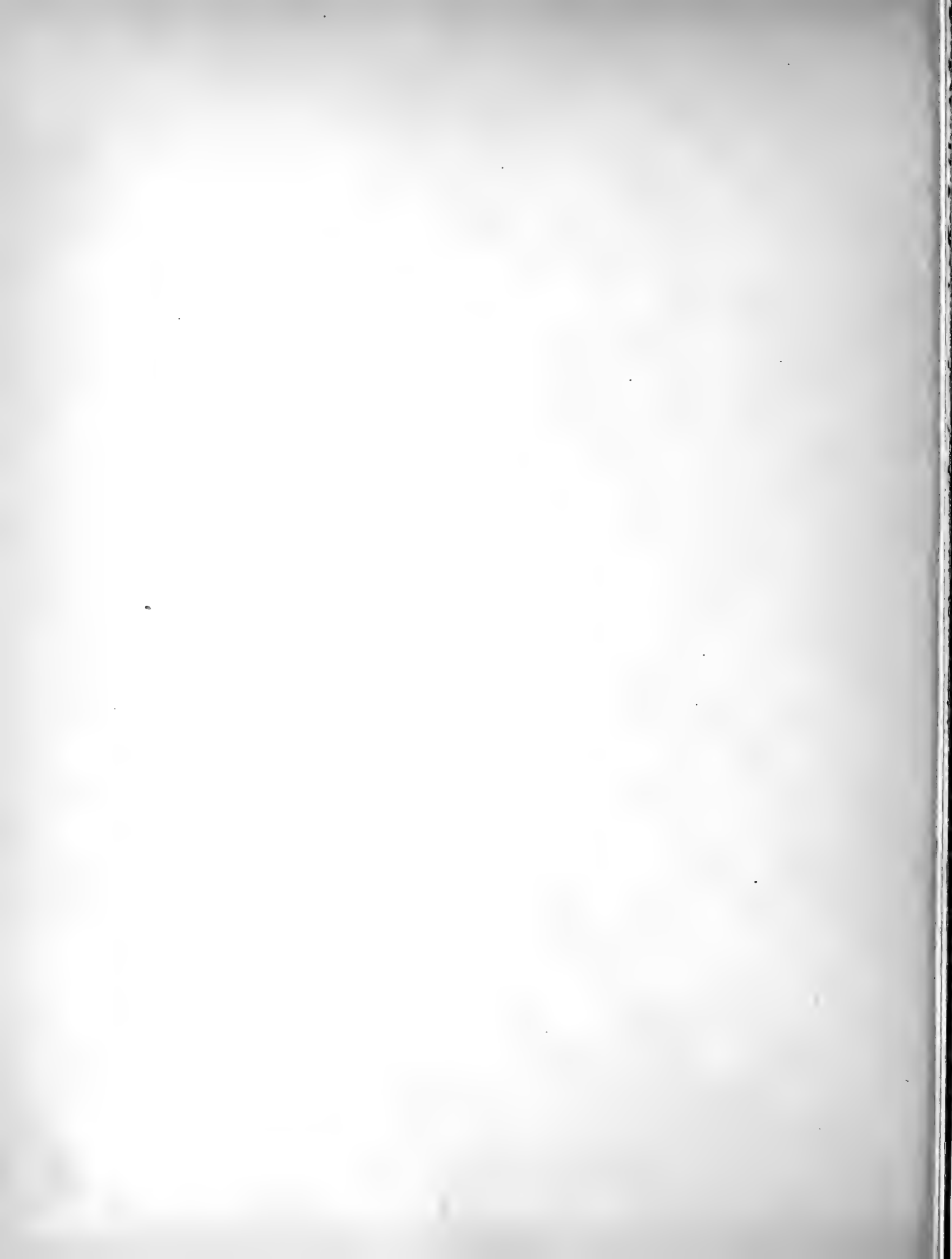


ALYCÆUS.

PLATE CXXXVI.

[Part XII.—*December* 1914.]

Fig. 1, 1 a.	ALYCÆUS STRANGULATUS, T. Hutton, × 8.	Mussoorie.
2, 2 a, 2 b.	—— LENTICULUS, G.-A. Type. × 8.	Darjiling.
3, 3 a.	—— MONTANUS, Nevill. Type. × 8.	Sikkim.
4, 4 a, 4 b.	—— LENTICULUS, G.-A., × 8.	Sikkim.
5, 5 a, 5 b.	—— LECTUS, G.-A. Type. × 8.	Darjiling.



1



1a



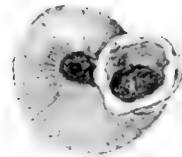
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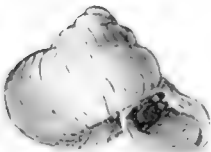
2a



2b



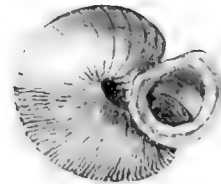
3



3a



3b



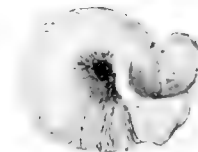
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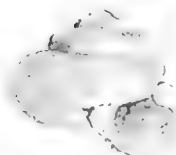
4a



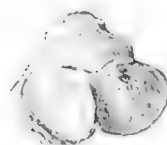
4b



5



5a



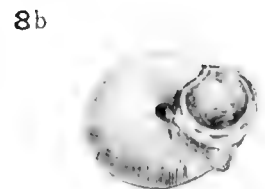
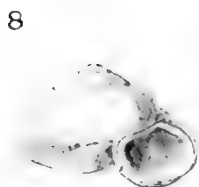
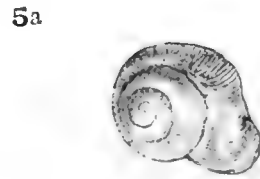
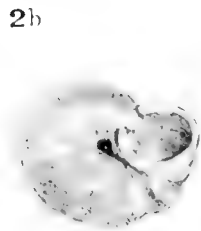
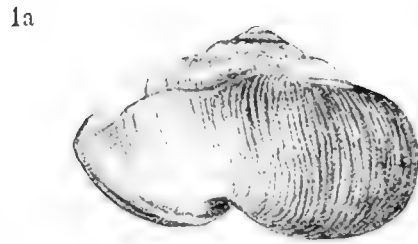
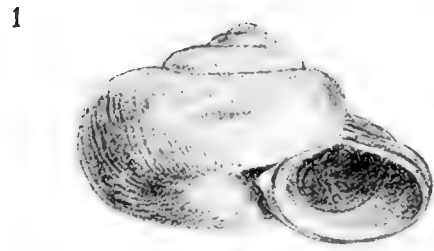
ALYCÆUS.

PLATE CXXXVII.

[Part XII.—December 1914.]

- | | | |
|------------------------------|--------------------------------------------|-------------------------------|
| Fig. 1, 1 <i>a</i> . | ALYCEUS LOHITENSIS, n. sp., × 45. | Lohit Valley, Assam. |
| 2, 2 <i>a</i> , 2 <i>b</i> . | — DISTINCTUS, G.-A., × 45. | Sadia. |
| 3, 3 <i>a</i> , 3 <i>b</i> . | — TANGHALI, n. sp., × 8. | Munipur. |
| 4, 4 <i>a</i> , 4 <i>b</i> . | — NOWGONGENSIS, n. sp., × 8. | Assam. |
| 5, 5 <i>a</i> . | — JAINTIACUS, G.-A., var. CRASSUS,
× 8. | Nongjinghi,
Jaintia Hills. |



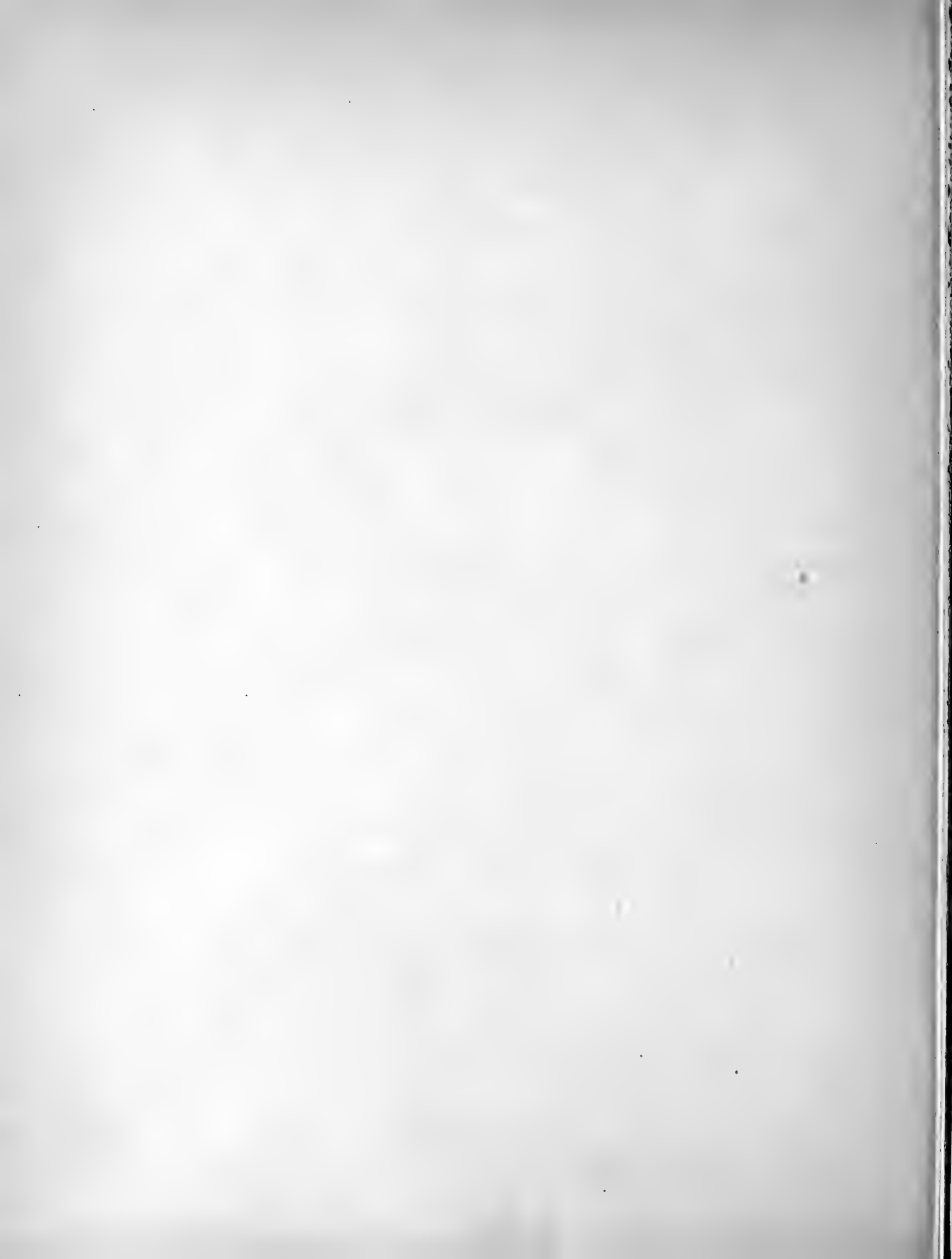


ALYCÆUS.

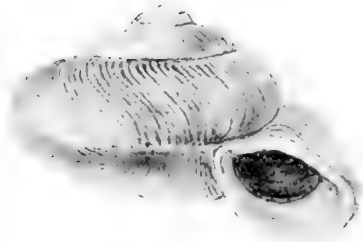
PLATE CXXXVIII.

[Part XII.—December 1914.]

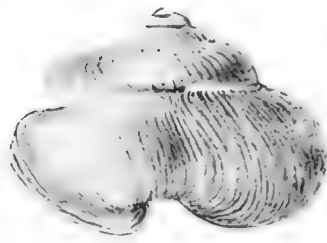
- | | | |
|--------------|-----------------------------------------------------|---------------------------|
| Fig. 1, 1 a. | ALYCEUS MAGNUS, G.-A., × 4·5. | Eastern Naga Hills. |
| 2, 2 a, 2 b. | — HABIANGENSIS, n. sp., × 8,
2 b × 4·5. | West Khasi Hills. |
| 3, 3 a. | — LEVIS, n. sp., × 4·5. | Munipur. |
| 4. | — THEOBALDI, W. Blf., var. DIYUNG-
ENSIS, × 4·5. | N. Cachar. |
| 5, 5 a. | — NONGTUNGENSIS, n. sp., × 8. | Jaintia Hills. |
| 6, 6 a, 6 b. | — CONICUS, G.-A., var. NANUS, G.-A.,
× 8. | N. Cachar. |
| 7. | Ditto Ditto | Jhiri Valley,
Munipur. |
| 8, 8 a, 8 b. | — GENEROSUS, n. sp., × 8. | Khasi Hills. |



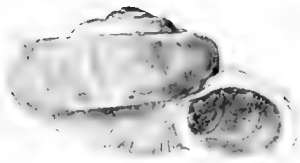
1



1a



3



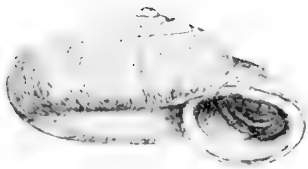
2



3a



4



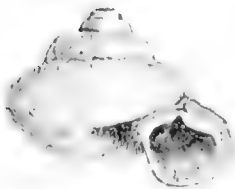
2a



4a



7



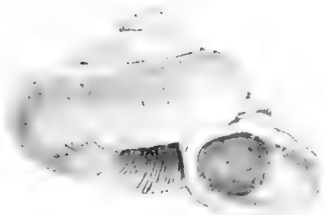
5



7a



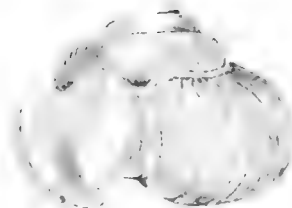
6



5a



6a



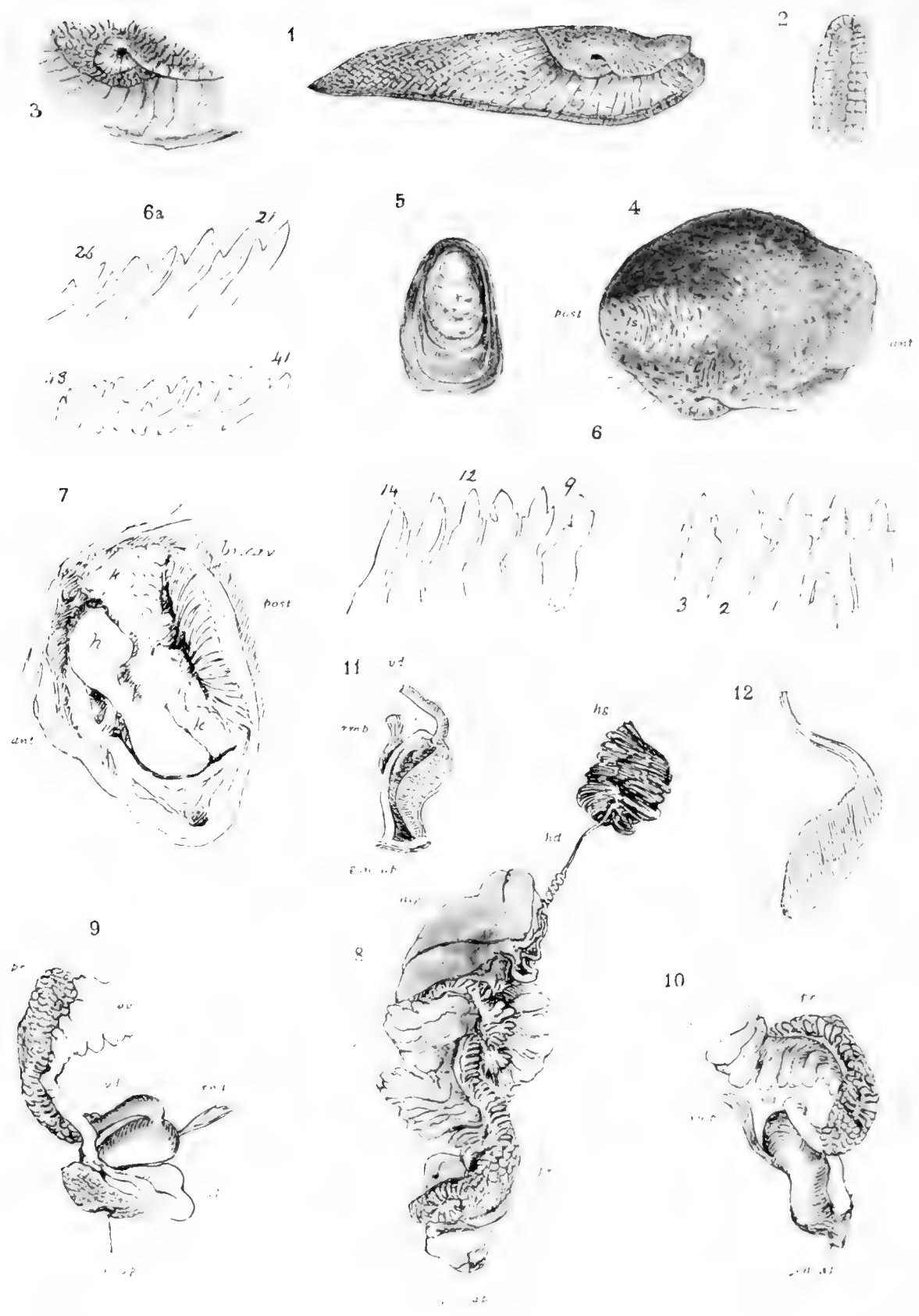
ALYCÆUS.

PLATE CXXXIX.

[Part XII.—December 1914.]

- | | | |
|--------------|-----------------------------------------|------------------------|
| Fig. 1, 1 a. | ALYCÆUS ANONYMUS, G.-A., Blf. MS., × 8. | Pegu. |
| 2, 2 a. | — VESTITUS, W. Blf. Type. × 8. | Arakan. |
| 3, 3 a. | — BIFRONS, Theobald, × 8. | Shan Hills. |
| 4, 4 a. | — SANDOWAYENSIS, n. sp., × 4.5. | Arakan. |
| 5, 5 a. | — POLITUS, W. Blf., × 8. | Ditto. |
| 6, 6 a. | — KENG TUNGENSIS, n. sp., × 8. | Kengtung, Shan States. |
| 7, 7 a. | — SCULPTILIS, Bs., × 8. | Burma. |





KASPIRIA.

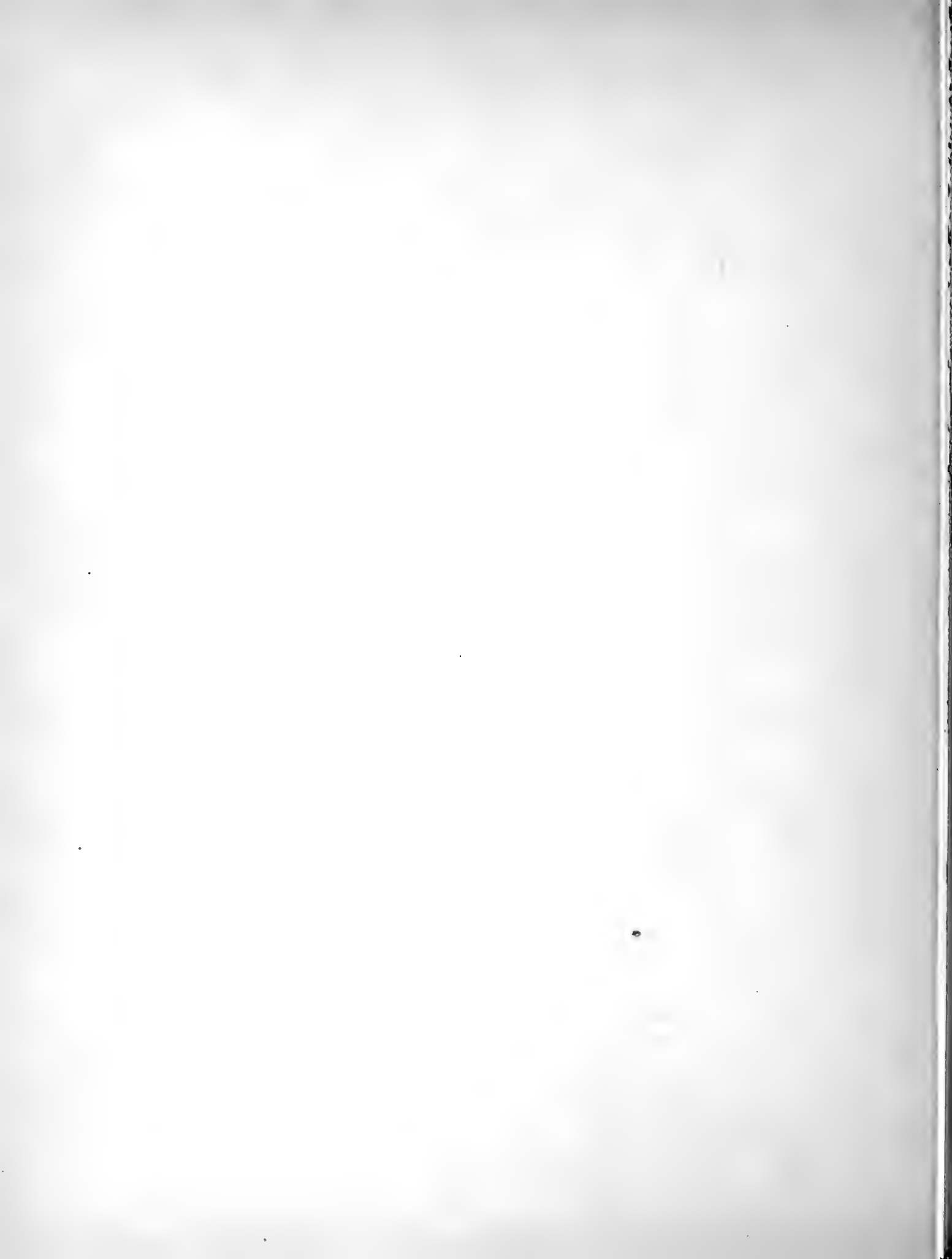
PLATE CXL.

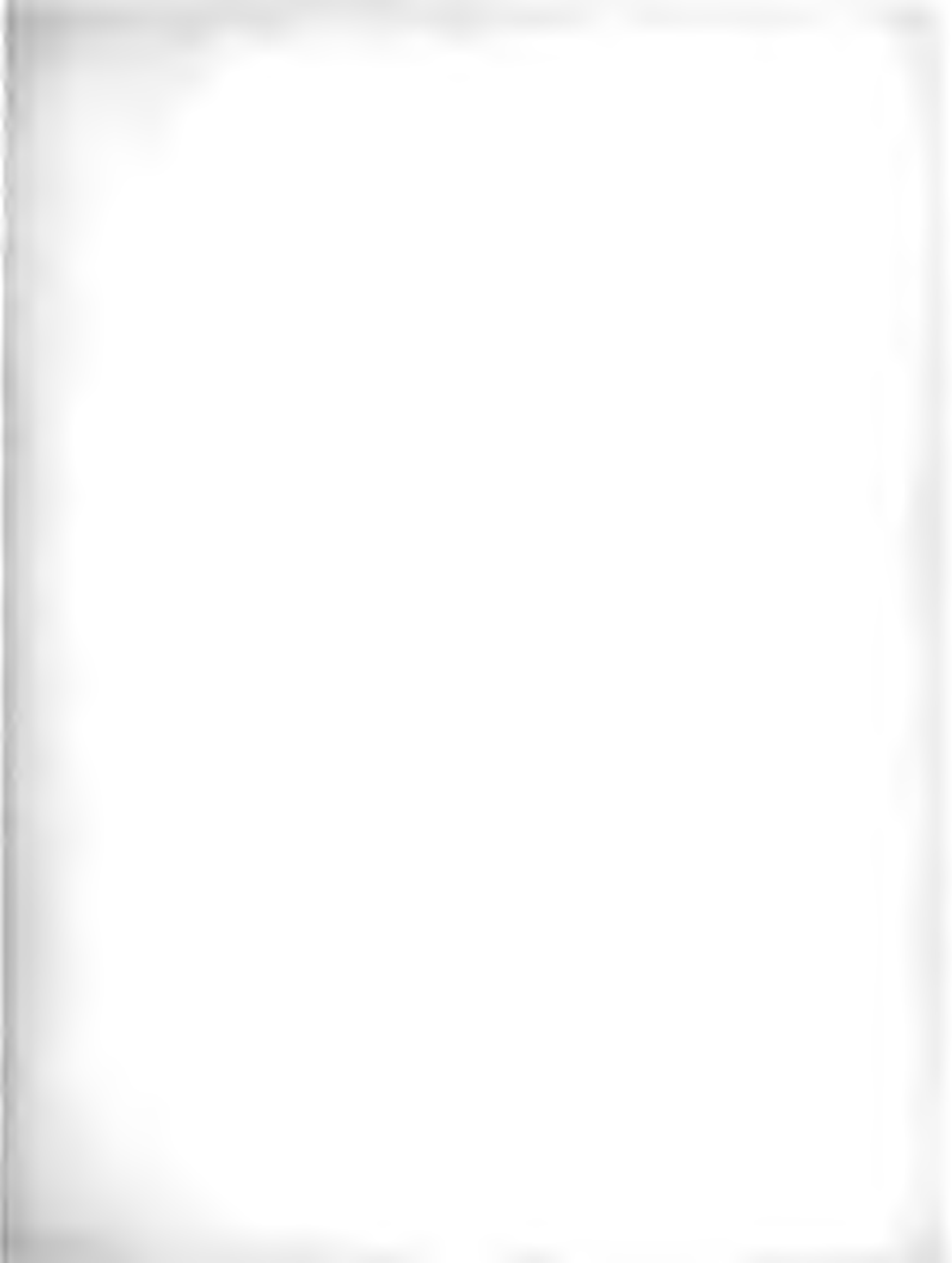
[Part XII.—December 1914.]

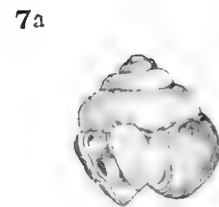
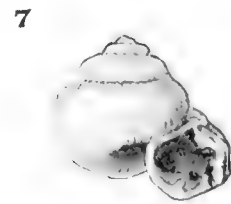
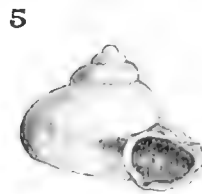
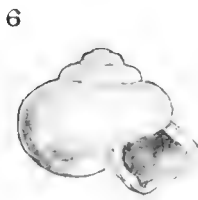
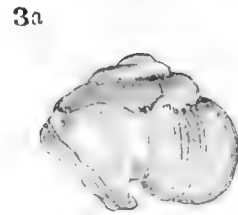
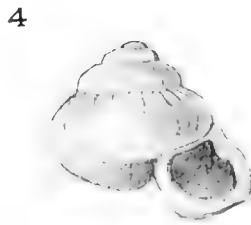
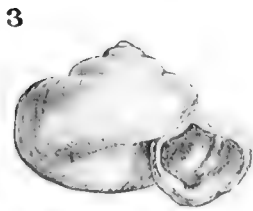
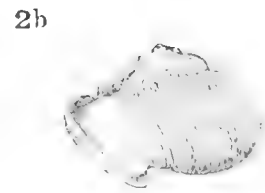
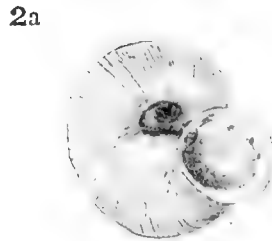
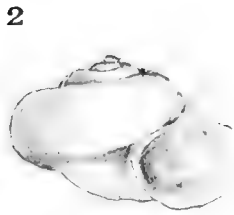
KASPERIA MAYÆ, n. sp. Kashmir.

- Fig. 1. Animal, viewed from the right side, $\times 1.5$.
2. Ditto, sole of foot, anterior end, $\times 1.5$.
3. Ditto, the respiratory aperture, $\times 2.5$.
4. The mantle, (*s.*) position of shell, $\times 4.5$.
5. Shell, upper surface, $\times 4.5$.
6. Teeth of radula, central and median, $\times 368$.
6 *a.* Ditto, marginals, $\times 368$.
7. The heart (*h.*) and kidney (*k.*) and branchial cavity (*br.cav.*), $\times 4.5$.
8. Genitalia, $\times 4.5$. *ant.* anterior side; *post.* posterior side.
9. Ditto, another view, $\times 4.5$.
10. Ditto, ditto, $\times 4.5$.
11. Ditto, penis, longitudinal section through to show internal wall of.
12. Spermatophore, $\times 12$.

hg, hermaphrodite gland; *hd*, the duct; *alg*, albumen gland; *vd*, vas deferens; *sp*, spermatheca; *ov*, ovotestis; *pr*, prostate; *gen.ap*, generative aperture; *r.m.p*, retractor muscle of penis.





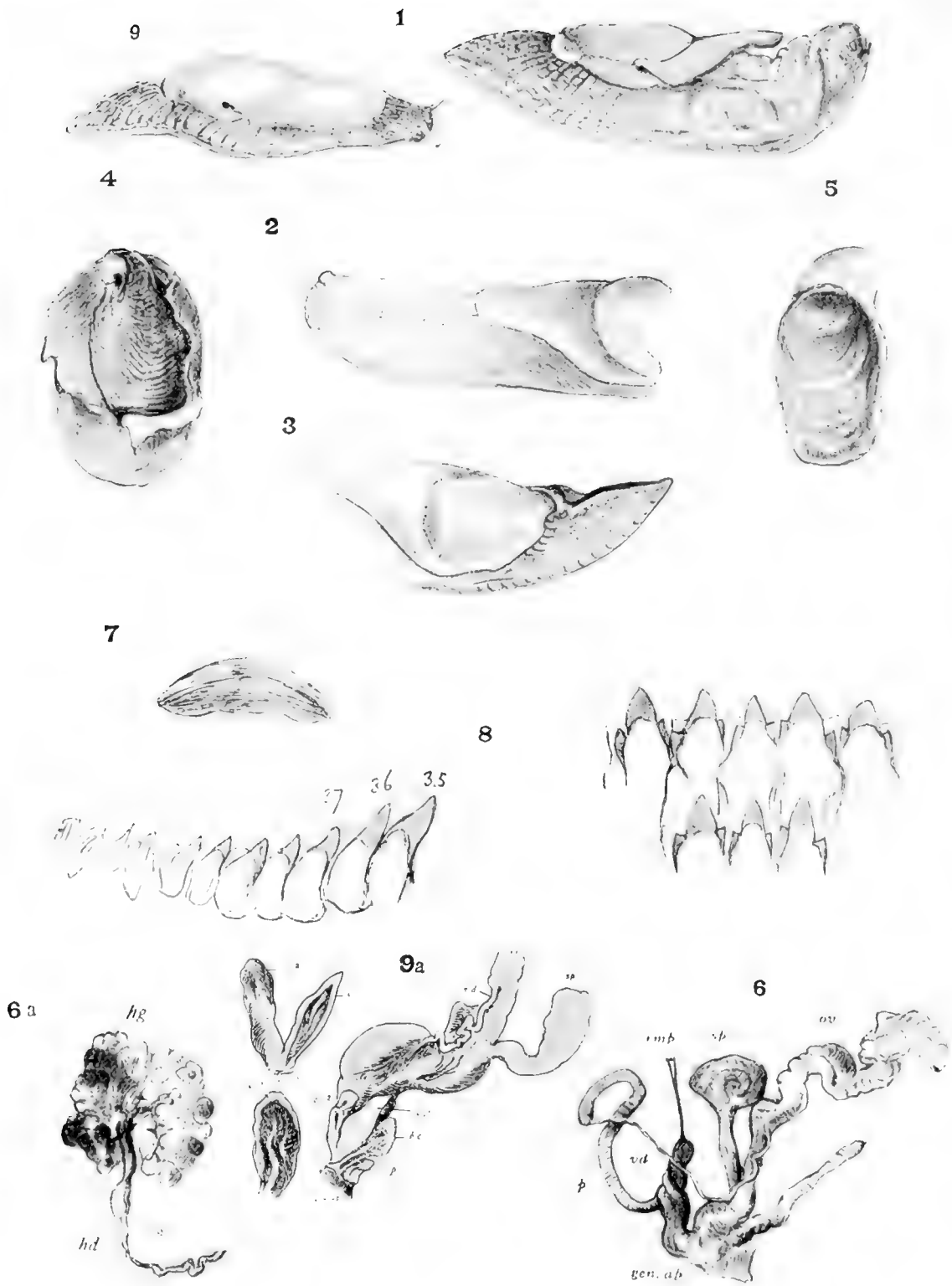


ALYCÆUS.

PLATE CXLI.

[Part XII.—December 1914.]

Fig. 1, 1 a, 1 b.	ALYCÆUS AKHAENSIS, n. sp., × 8.	Akha Hills, foot of.
2, 2 a, 2 b.	—— MACGREGORI, n. sp., × 4·5.	Dafa Hills.
3, 3 a.	—— LAHUPAENSIS, n. sp., × 8.	Munipur Hills.
4.	—— BAROWLIENSIS, n. sp., × 8.	Akha Hills.
5.	—— POLYGONOMA, W. Blf., × 4·5.	Arakan.
6, 6 a.	—— BURROIENSIS, n. sp., × 8.	Dafa Hills.
7, 7 a.	—— RUGOSUS, n. sp., × 8.	Ditto.
8.	—— KAMAKIAENSIS, n. sp., × 4·5.	Assam Valley.



PARMACELLA.

PLATE CXLII.

[Part XII.—December 1914.]

PARMACELLA KOJHAKENSIS, G.-A. West side Kojhak Pass, Afghanistan.

- Fig. 1. Animal, right side of, $\times 2.5$.
2. Animal, anterior portion, $\times 2.5$.
3. Ditto, posterior to end of foot, $\times 2.5$.
4. Shell in position, seen from above, with the mantle cut open and turned back, $\times 4$.
5. Shell, underside, $\times 4$.
6. Generative organs, enlarged.
6 a. Ditto, portion of, $\times 4$.
7. Jaw, $\times 12$.
8. Teeth of the radula, $\times 368$.

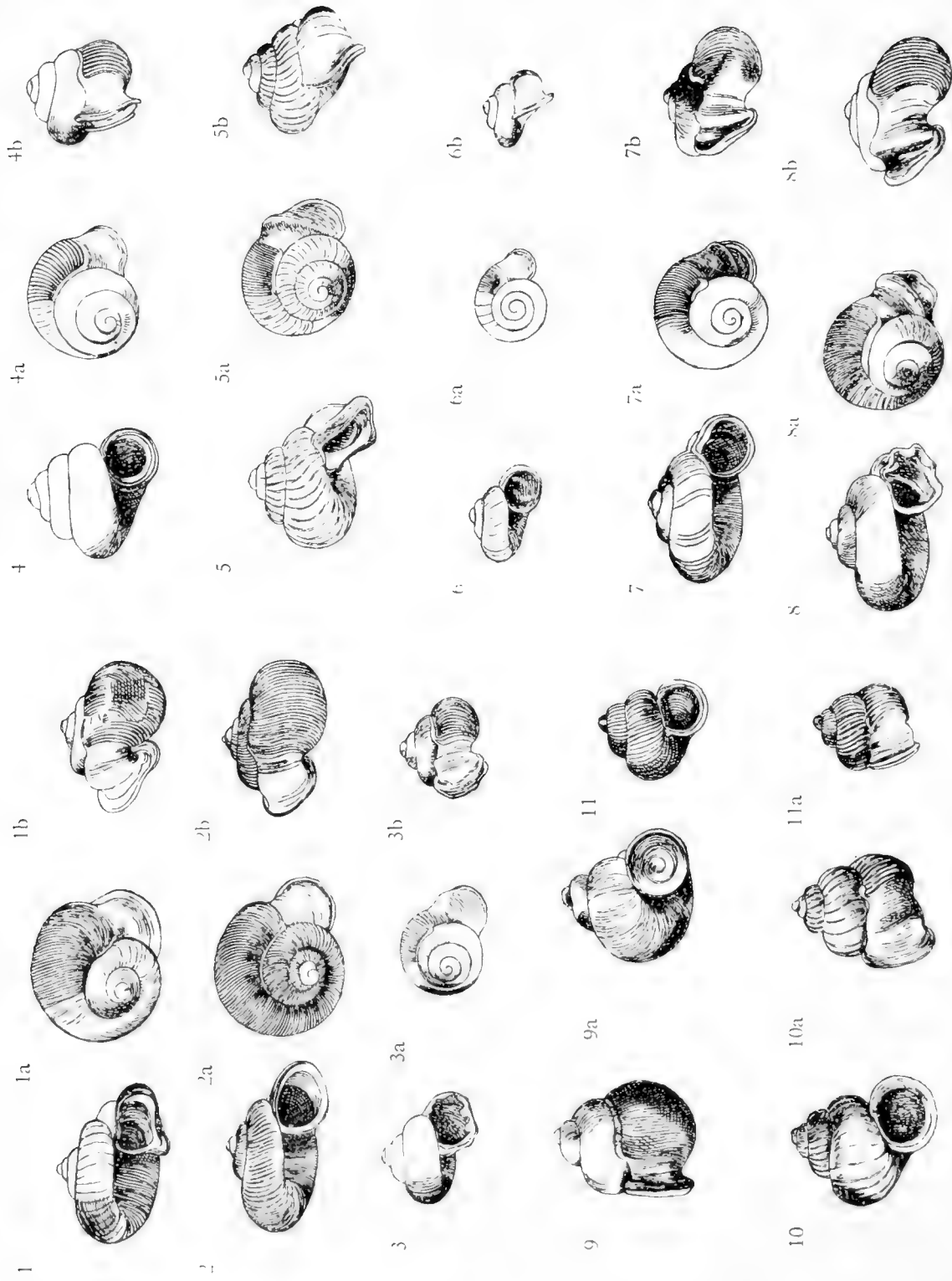
hg, hermaphrodite gland; *hd*, hermaphrodite duct; *r.m.p*, retractor muscle of penis.

PARMACELLA DESHAYESI, Moquin-Tandon. Oran, N. Africa.

- Fig. 9. Animal from life, nat. size.
9 a. Ditto, part of the generative organs, $\times 4.5$. To show the accessory organs.
cl, *cl*², clitoris of Simroth; *bc*, bursa copulatrix; *vd*, vas deferens; *sp*, spermatheca;
ov, oviduct; *p*, the position of penis, removed.







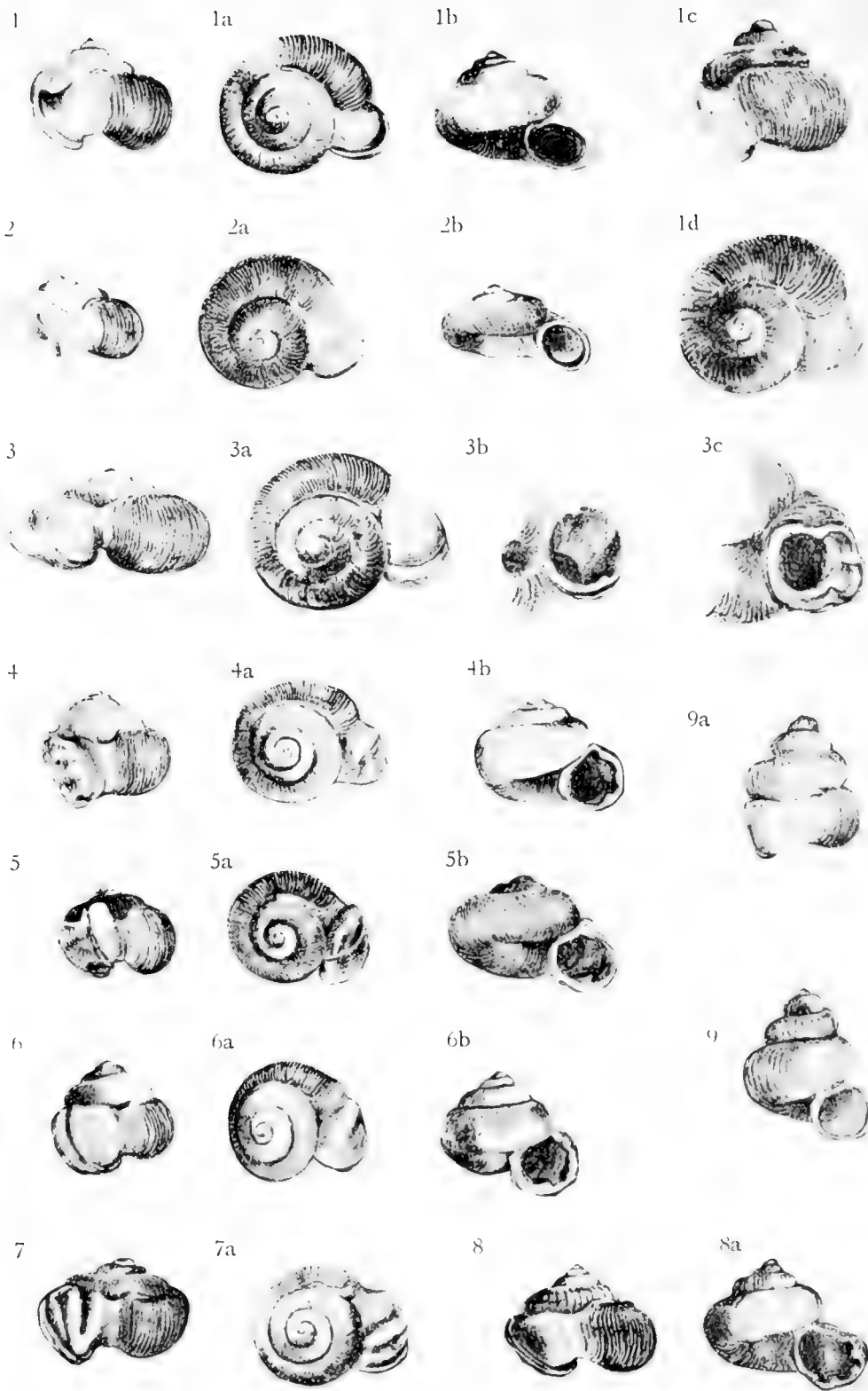
ALYCAEUS.

PLATE CXLIII.

[Part XII.—December 1914.]

[All enlarged, varying in amount.]

- | | | |
|-------------------|---------------------------------------|----------------------------------|
| Fig. 1, 1 a, 1 b. | ALYCEUS PROSECTUS, Bs. | Teria Ghat, Khasi Hills. |
| 2, 2 a, 2 b. | — NAGAENSIS, G.-A. | Asalu, N. Cachar. |
| 3, 3 a, 3 b. | — JAINTIACUS, G.-A. | Jaintia Hills. |
| 4, 4 a, 4 b. | — CONICUS, G.-A. | East of Kopili River. |
| 5, 5 a, 5 b. | — DIAGONIUS, G.-A. | Diyung Valley, nr. Asalu. |
| 6, 6 a, 6 b. | — PUSILLUS, G.-A. | Jawai, Jaintia Hills. |
| 7, 7 a, 7 b. | — KHASIACUS, G.-A. | Lailangkote, Khasi Hills. |
| 8, 8 a, 8 b. | — CRENATUS, G.-A. | Hengdan Pk., N. Cachar
Hills. |
| 9, 9 a. | — (DIORYX) URNULA, Bs., var. | Marangsip Pk., Jaintia. |
| 10, 10 a. | — (CYCLORYX) GRAPHICUS, W. Blf., var. | N. Khasi. |
| 11, 11 a. | — (—) MANGUTENSIS, n. sp. | Jawai, Jaintia. |



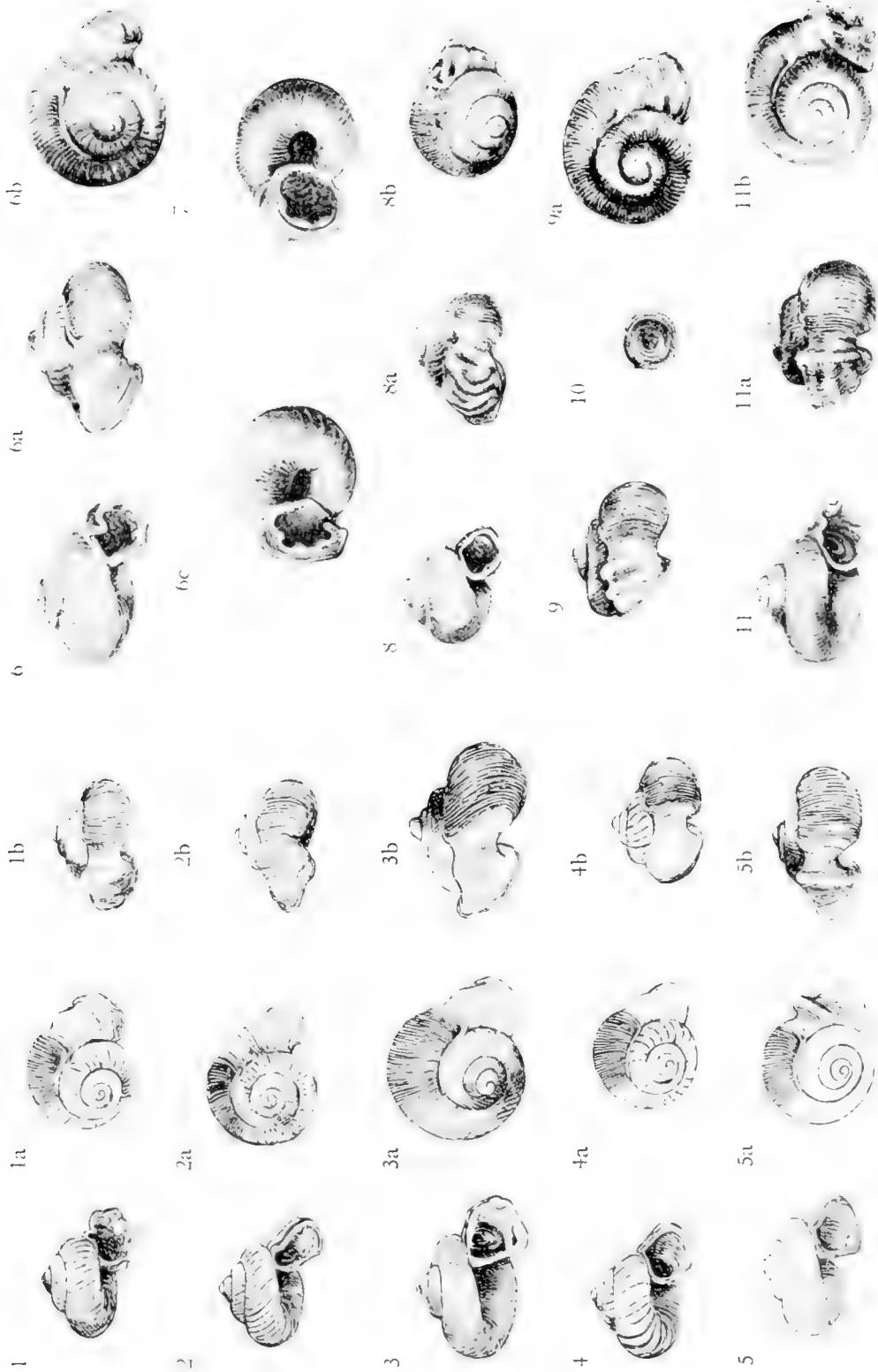
ALYCÆUS.

PLATE CXLIV.

[Part XII.—December 1914.]

[All enlarged, varying in amount.]

Fig. 1 <i>b</i> , 1 <i>c</i> , 1 <i>d</i> .	ALYCÆUS INFLATUS, G.-A.	Naga Hills.
1, 1 <i>a</i> .	—— INFLATUS, G.-A., var. Locality?	Assam.
2, 2 <i>a</i> , 2 <i>b</i> .	—— STRIGATUS, G.-A.	Assam.
3, 3 <i>a</i> , 3 <i>b</i> , 3 <i>c</i> .	—— STOLICZKII, G.-A.	Naga Hills.
4, 4 <i>a</i> , 4 <i>b</i> .	—— GLOBULUS, G.-A.	Munipur, Naga Hills.
5, 5 <i>a</i> , 5 <i>b</i> .	—— BICRENATUS, G.-A.	Naga Hills.
6, 6 <i>a</i> , 6 <i>b</i> .	—— SERRATUS, G.-A.	Munipur.
7, 7 <i>a</i> .	—— MULTIRUGOSUS, G.-A.	Munipur, Naga Hills.
8, 8 <i>a</i> .	—— BURTII, G.-A.	Akha Hills, Assam.
9, 9 <i>a</i> .	—— (CYCLORYX) KHUNHOENSIS, n. sp.	Naga Hills.



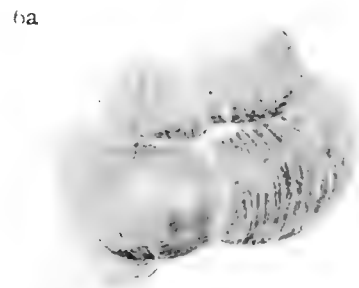
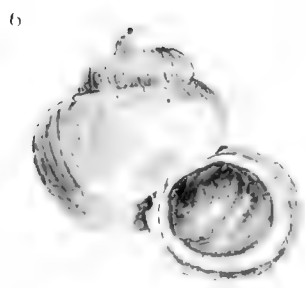
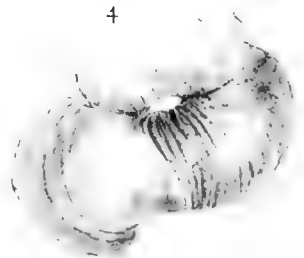
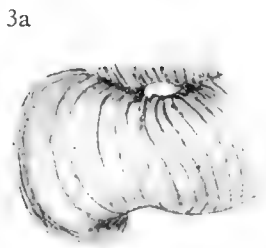
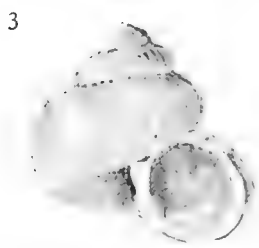
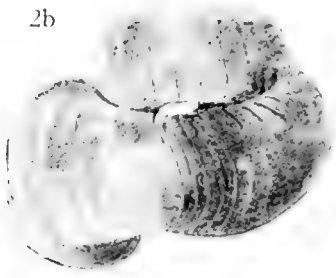
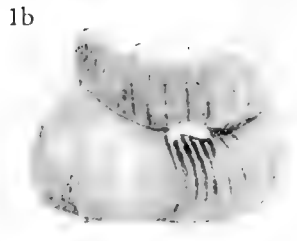
ALYCAEUS.

PLATE CXLV.

[Part XII.—December 1914.]

[All enlarged, varying in amount.]

Fig. 1, 1 <i>a</i> , 1 <i>b</i> .	ALYCÆUS CRISPATUS, G.-A.	Eastern Garo Hills.
2, 2 <i>a</i> , 2 <i>b</i> .	— ASALUENSIS, n. sp.	Phulong, North Cachar.
3, 3 <i>a</i> , 3 <i>b</i> .	— DISTINCTUS, G.-A. (INGRAMI, var.).	Asalu, Cachar.
4, 4 <i>a</i> , 4 <i>b</i> .	— THEOBALDI, W. Blf.	Khasi Hills.
5, 5 <i>a</i> , 5 <i>b</i> .	— HEBES, Benson.	Teria Ghat, Khasi Hills.
6, 6 <i>a</i> , 6 <i>b</i> , 6 <i>c</i> .	— SCULPTURUS, G.-A. Type.	N.E. Manipur.
7.	— CRISPATUS, G.-A.	Eastern Garo Hills.
8, 8 <i>a</i> , 8 <i>b</i> .	— NOTATUS, G.-A.	Dafia Hills.
9, 9 <i>a</i> .	— MUTATUS, G.-A.	Ditto.
10.	— TORUPUTUENSIS, operculum enlarged.	Ditto.
11, 11 <i>a</i> , 11 <i>b</i> .	— DAFILAENSIS, G.-A.	Ditto.



ALYCÆUS (CYCLORYX).

PLATE CXLVI.

[Part XII.—December 1914.]

- | | | |
|-------------|----------------------------------------------------------------------------------------|--------------------------|
| Fig. 1, 1a. | ALYCÆUS (CYCLORYX) GRAPHICUS, W. Blf., × 8. | Arakan. |
| 1 b. | Last whorl, showing constriction and sutural tube with the adjacent costulation, × 12. | |
| 2, 2a, 2b. | ALYCÆUS (CYCLORYX) GRAPHICUS, var., similar enlargement. | Teria Ghat. |
| 3, 3 a. | — (—) THOMPSONI, n. sp., × 8. | Munipur. |
| 4. | — (—) GRAPHICUS, var. VARIABILIS, last whorl, × 12. | Lhota Naga. |
| 5, 5 a. | — (—) MANGUTENSIS, n. sp., × 8 & 12. | Jaintia Hills. |
| 6, 6 a. | — (—) GRAPHICUS, W. Blf., var. DIHINGENSIS, × 8 & 12. | Dihing Valley, E. Assam. |
| 7, 7 a. | — (—) GRAPHIARIUS, n. sp., × 8 & 12. | Shan Hills. |

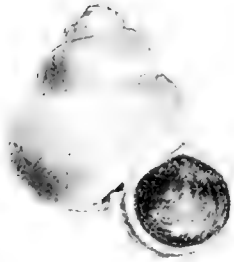
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1a



2



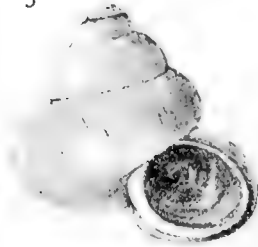
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2a



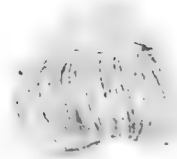
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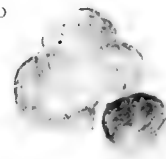
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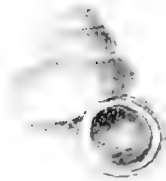
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6



4



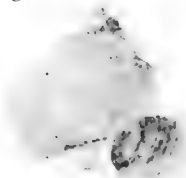
4a



7



5



5a



8



9

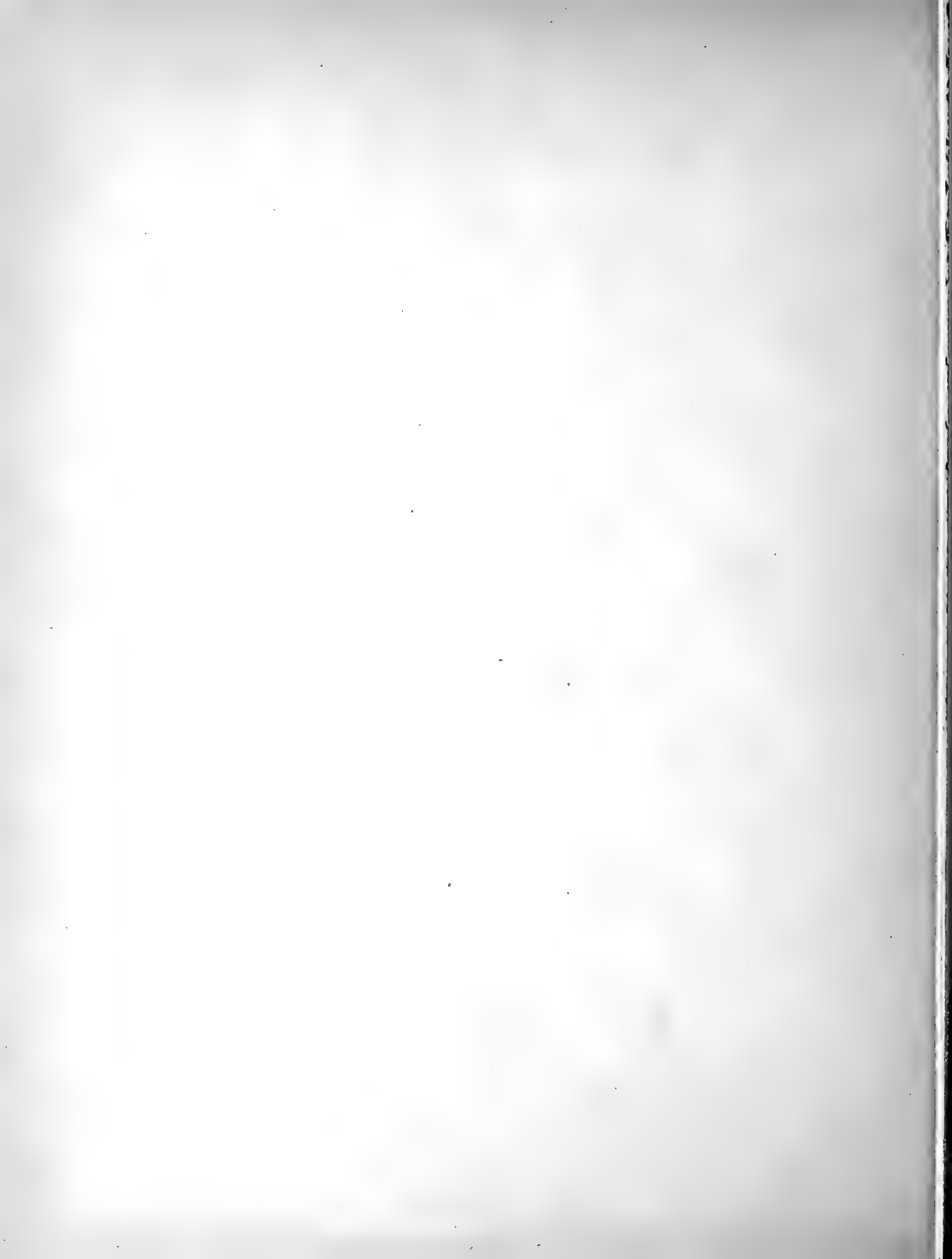


ALYCÆUS (CYCLORYX).

PLATE CXLVII.

[Part XII.—December 1914.]

- | | | |
|--------------|-------------------------------------------------|-----------------------------|
| Fig. 1, 1 a. | ALYCÆUS (CYCLORYX) BEMBEX, Bs., × 8. | Darjiling. |
| 2. | — (—) OTIPHORUS, Bs., × 8. | Ditto. |
| 2 a. | — (—) —, × 4·5. | Ditto. |
| 2 b. | — (—) —, × 12. | |
| 3, 3 a. | — (—) SUMMUS, n. sp., × 8. | Rechila Peak, Sikkim. |
| 4, 4 a. | — (—) CONSTRICTUS, Bs., × 8. | Darjiling. |
| 5, 5 a. | — PAUCICOSTATUS, n. sp., × 8 & 12 respectively. | Dafra Hills. |
| 6, 6 a. | — BURRAILENSIS, n. sp., × 8 & 12 respectively. | Naga Hills. |
| 7. | — MULTICOSTULATUS, n. sp., × 8. | Munipur. |
| 8. | — KHUNHOENSIS, n. sp., × 8. | Naga Hills. |
| 9. | — ELEGANS, n. sp., × 8. | Shengorh Peak, Dafra Hills. |

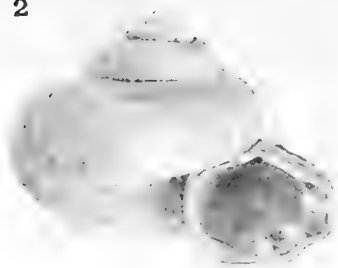




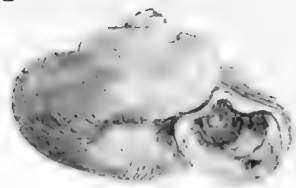
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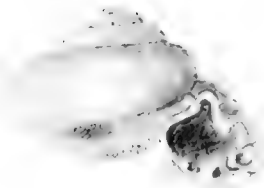
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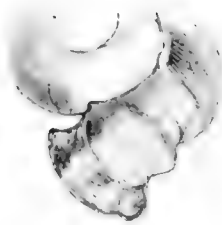
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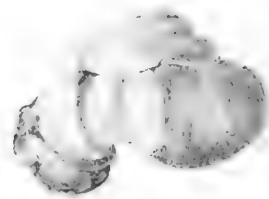
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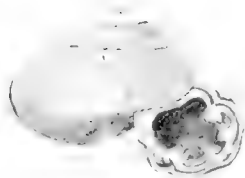
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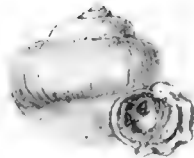
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5



6



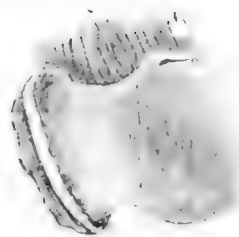
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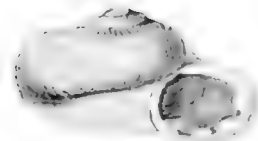
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6a



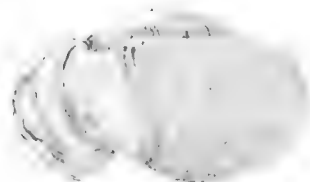
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9



9a

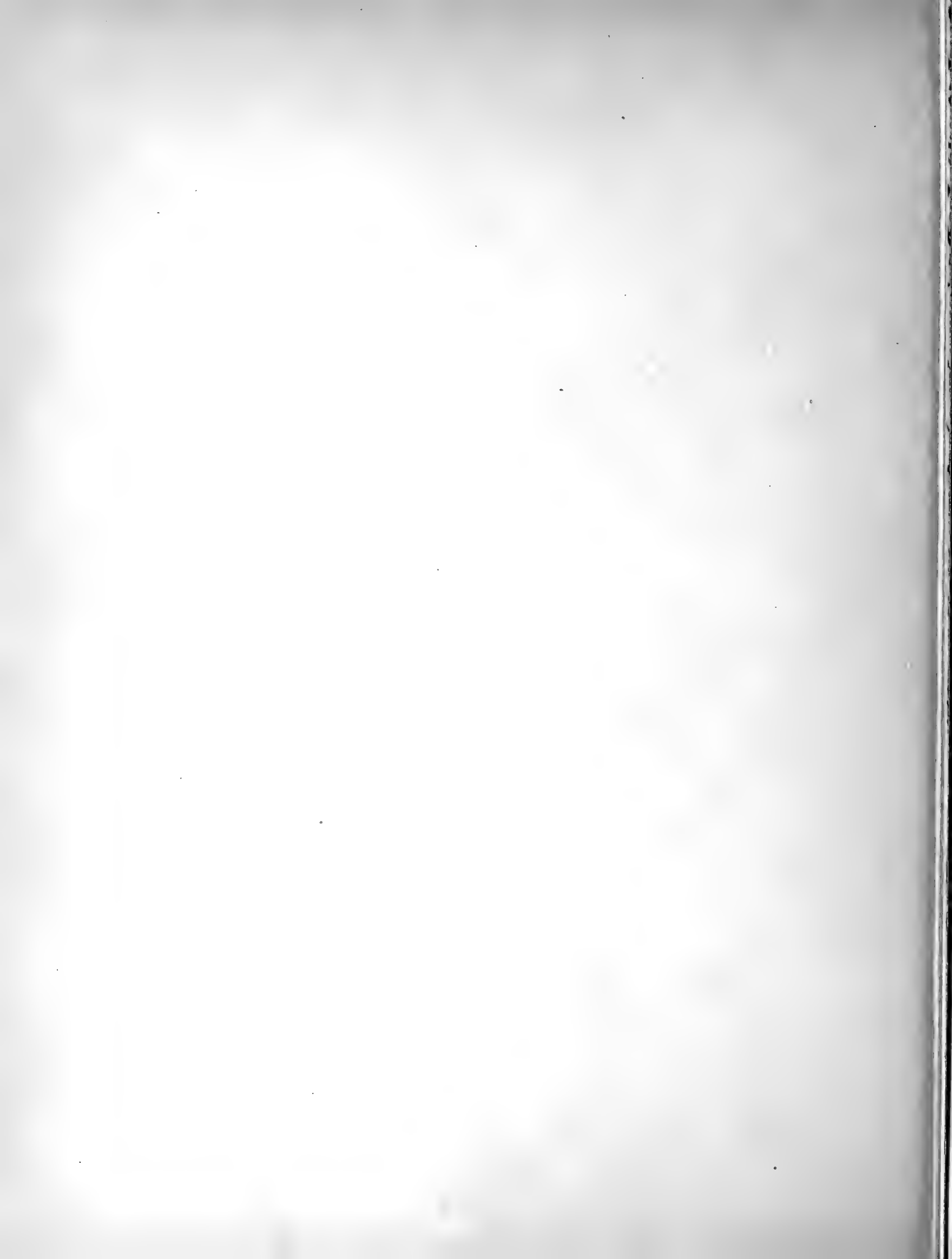


ALYCÆUS.

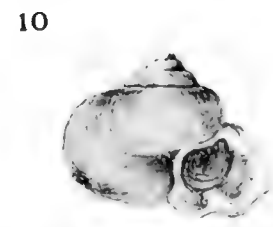
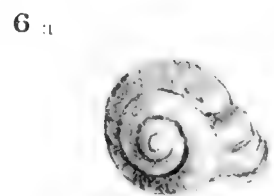
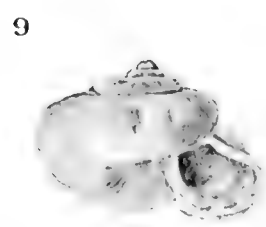
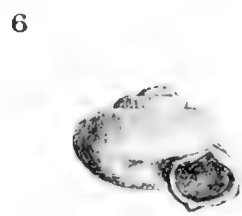
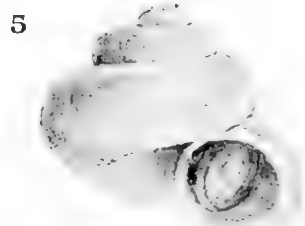
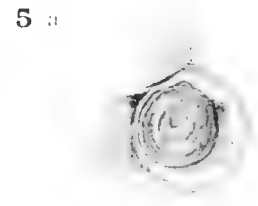
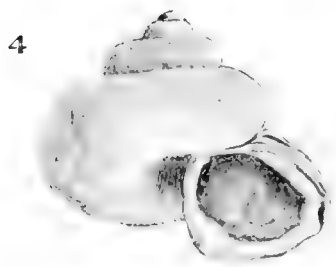
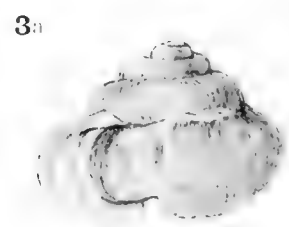
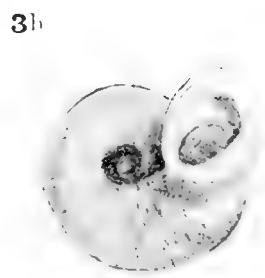
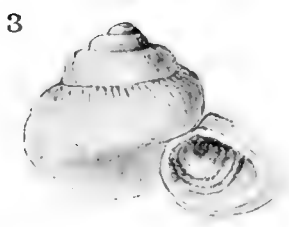
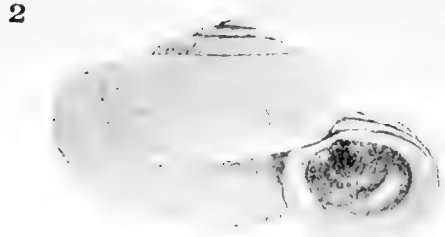
PLATE CXLVIII.

[Part XII.—December 1914.]

Fig. 1.	ALYCEUS MUSPRATTI, n. sp., Beddome MS., × 8.	E. Naga.
2.	— OGLEI, n. sp., × 8.	E. Assam.
3.	— BLANFORDI, n. sp., × 8.	Arakan.
4, 4 a, 4 b.	— ATARANENSIS, n. sp., × 12.	Tenasserim.
5, 5 a.	— CRISPATUS, G.-A., var. MINIMUS, × 12.	Garo Hills.
6, 6 a.	— DIKRANGENSIS, n. sp., × 4·5 & 8.	Daffa Hills.
7.	— COMMUTATUS, n. sp., × 12.	Probably Akha.
8.	— BHUTANENSIS, n. sp., × 4·5.	Ditto.
9, 9 a.	— DAVISI, n. sp., × 4·5.	Shan Hills.







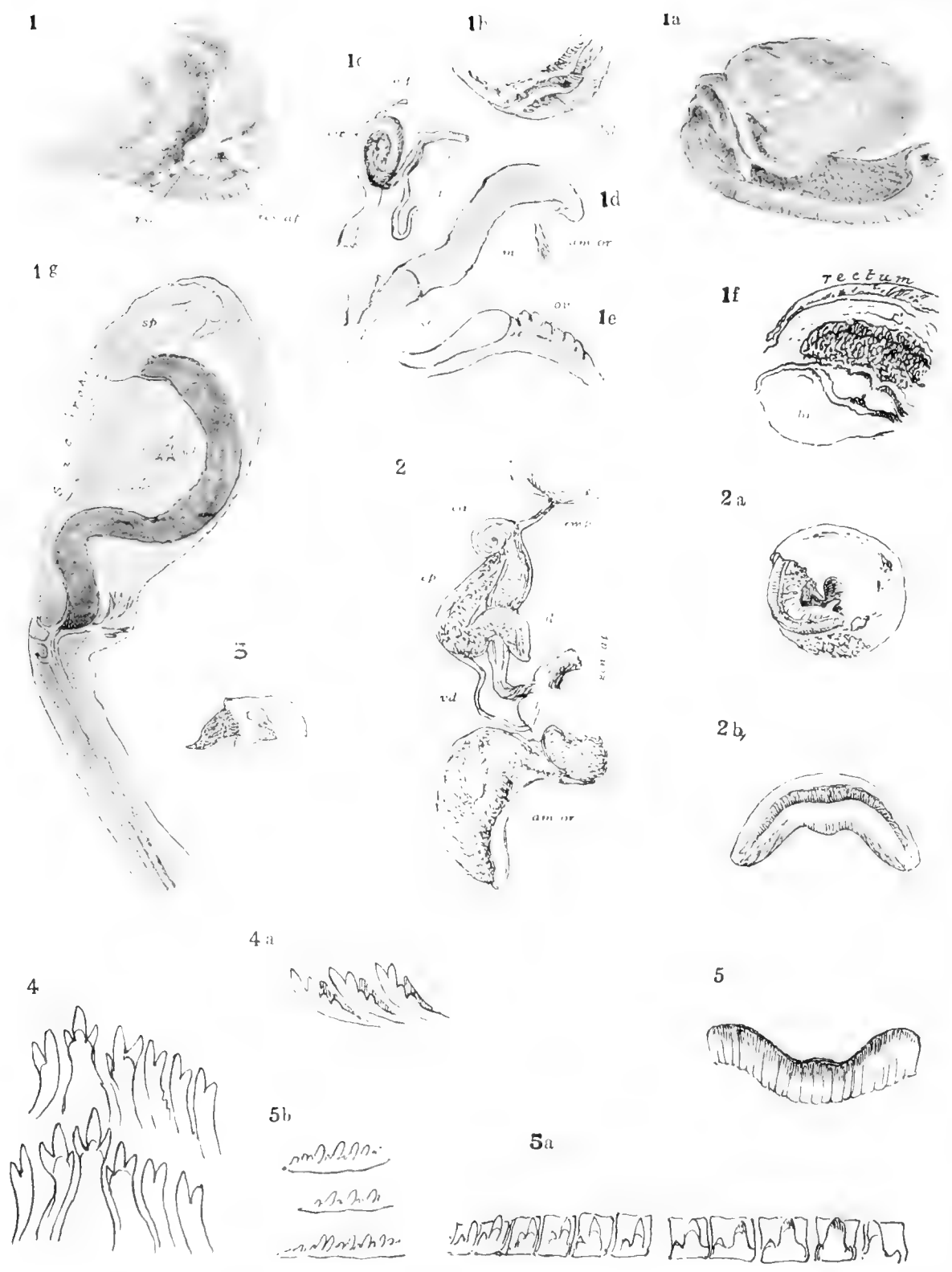
ALYCÆUS.

PLATE CXLIX.

[Part XII.—December 1914.]

Fig. 1.	ALYCÆUS KEZAMAENSIS, n. sp., × 8.	Naga Hills.
2, 2 a.	— EDEI, n. sp., × 8.	Cachar.
3, 3 a, 3 b.	— TORUPUTUENSIS, G.-A., Nevill MS., × 8.	Daffa Hills.
4.	— DISTINCTUS, G.-A., var., × 8.	Cachar.
5, 5 a.	— BEDDOMEI, n. sp., × 8.	Naga Hills.
6, 6 a.	— GEMMA, n. sp., × 8.	Daffa Hills.
7.	— YETAYENSIS, n. sp., × 4.5.	Ditto.
8.	— MUNDULUS, n. sp., × 8.	Ditto.
9.	— ABORENSIS, n. sp., × 4.5.	Abor Hills.
10.	— VESICA, n. sp., × 4.5.	Ditto.





PARVATELLA, MACROCHLAMYS,
SITTALA AND VALLONIA.

PLATE CL.

[Part XII.—December 1914.]

PARVATELLA AUSTENIANA, Nevill. Sonamurg, Kashmir.

- Fig. 1. Animal of small specimen : part of shell removed, showing right shell-lobe and dorsal lobes, &c., $\times 8$.
- 1 a. Ditto Ditto viewed from the left side ;
foot with visceral sac, $\times 8$.
- 1 b. Edge of mantle with left shell-lobe (*lsl*), $\times 8$.
- 1 c. Penis detached, with large coiled cæcum and retractor muscle, $\times 8$.
- 1 d. The amatorial organ or dart-sac, $\times 8$.
- 1 e. Spermatheca, $\times 8$.
- 1 f. The heart and kidney, $\times 8$.
- 1 g. The spermatheca of small specimen, containing the spermatophore, $\times 24$.

MACROCHLAMYS (RHADELLA) KASHMIRENSIS, Nevill. Sonamurg, Kashmir.

- Fig. 2. Part of the genitalia : penis and amatorial organ, $\times 24$.
- 2 a. The animal : shell removed, showing end of foot, $\times 4.5$.
- 2 b. Jaw, $\times 58$.

MACROCHLAMYS DECURSUS, n. sp. Manipur.

- Fig. 3. The right shell-lobe, with right and left dorsal lobes next the respiratory orifices. No. 581 B.M. Coll.

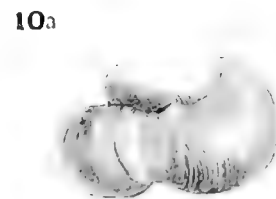
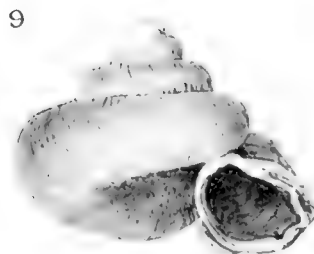
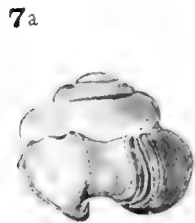
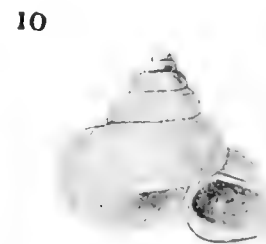
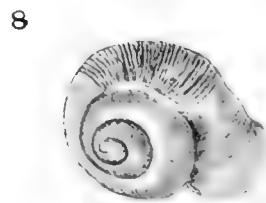
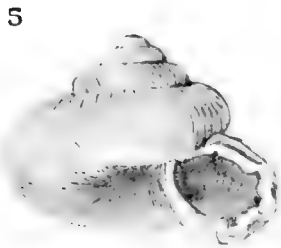
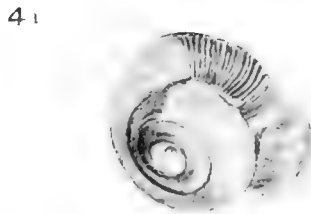
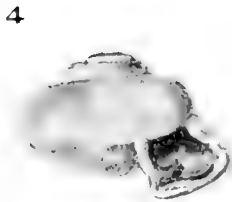
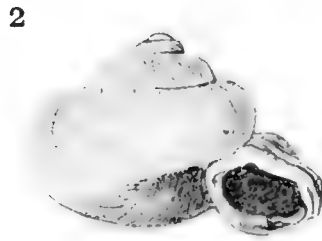
SITALA PEALII, n. sp. Cachar.

- Fig. 4, 4 a. Teeth of the radula, $\times 1100$.

VALLONIA HUMILIS, Hutton. N.W. Himalaya.

- Fig. 5. Jaw, $\times 175$.
- 5 a. Centre and admedian teeth of radula.
- 5 b. Marginal teeth, $\times 1100$.



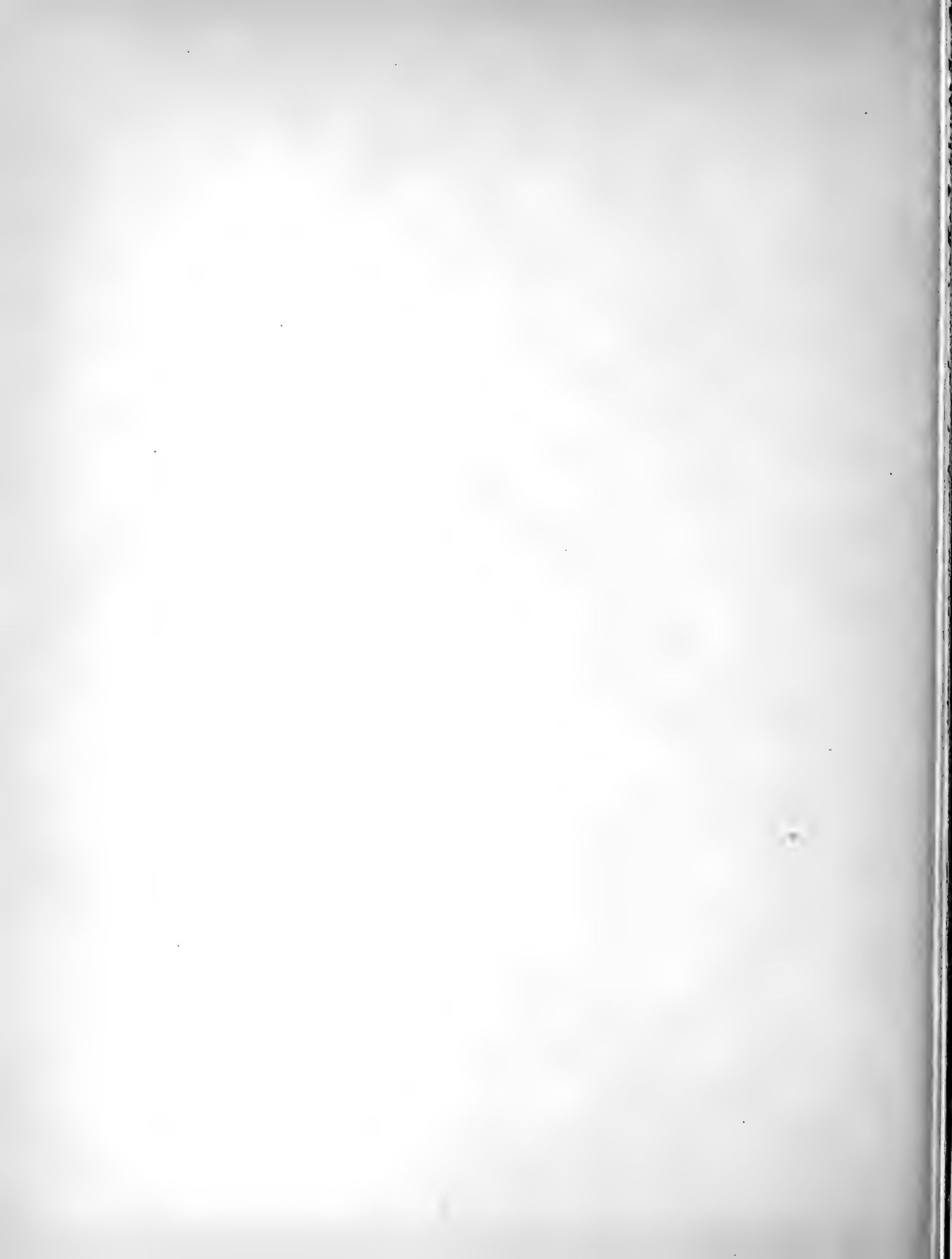


ALYCEUS.

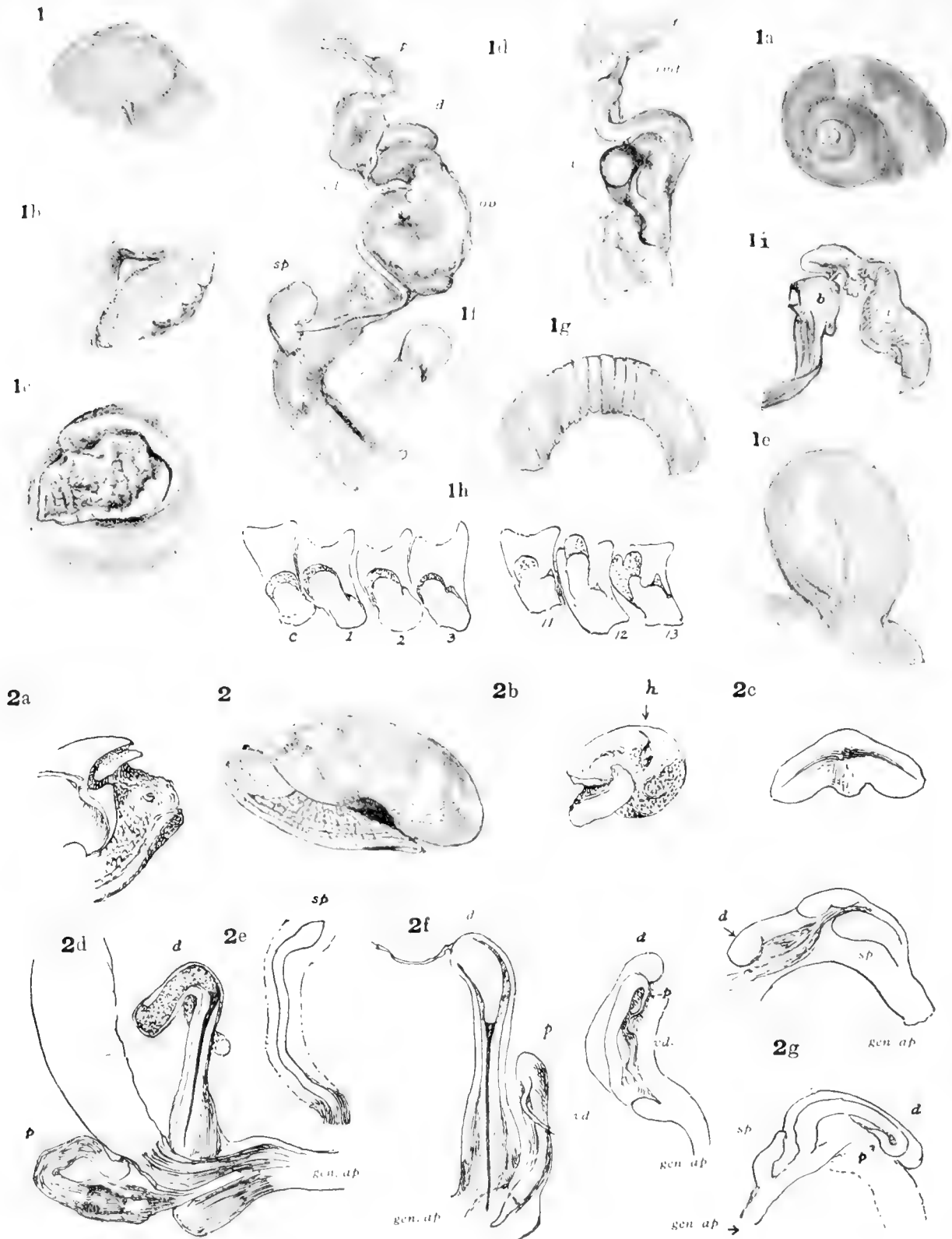
PLATE CLI.

[Part XII.—December 1914.]

Fig. 1.	ALYCÆUS GLABER, W. Blf., × 4·5.	Akyab.
2.	— SUCCINEUS, W. Blf., × 12.	Arakan.
3, 3 a.	— ARMILLATUS, Bs., × 12.	Pegu.
4, 4 a.	— NITIDUS, W. Blf., × 8.	Arakan.
5, 5 a.	— VULCANI, W. Blf., × 8.	Burma.
6.	— AVÆ, W. Blf., × 8.	Ditto.
7, 7 a.	— KURZIANUS, Theob. & Stol., × 8.	Pegu.
8.	— HUMILIS, W. Blf., × 12.	Ditto.
9.	— RICHTHOFENI, W. Blf., × 12.	Moulmein.
10, 10 a.	— SPRATTI, G.-A., × 4·5.	Burma.







CATHAICA & ZONITOIDES.

PLATE CLII.

[Part XII.—December 1914.]

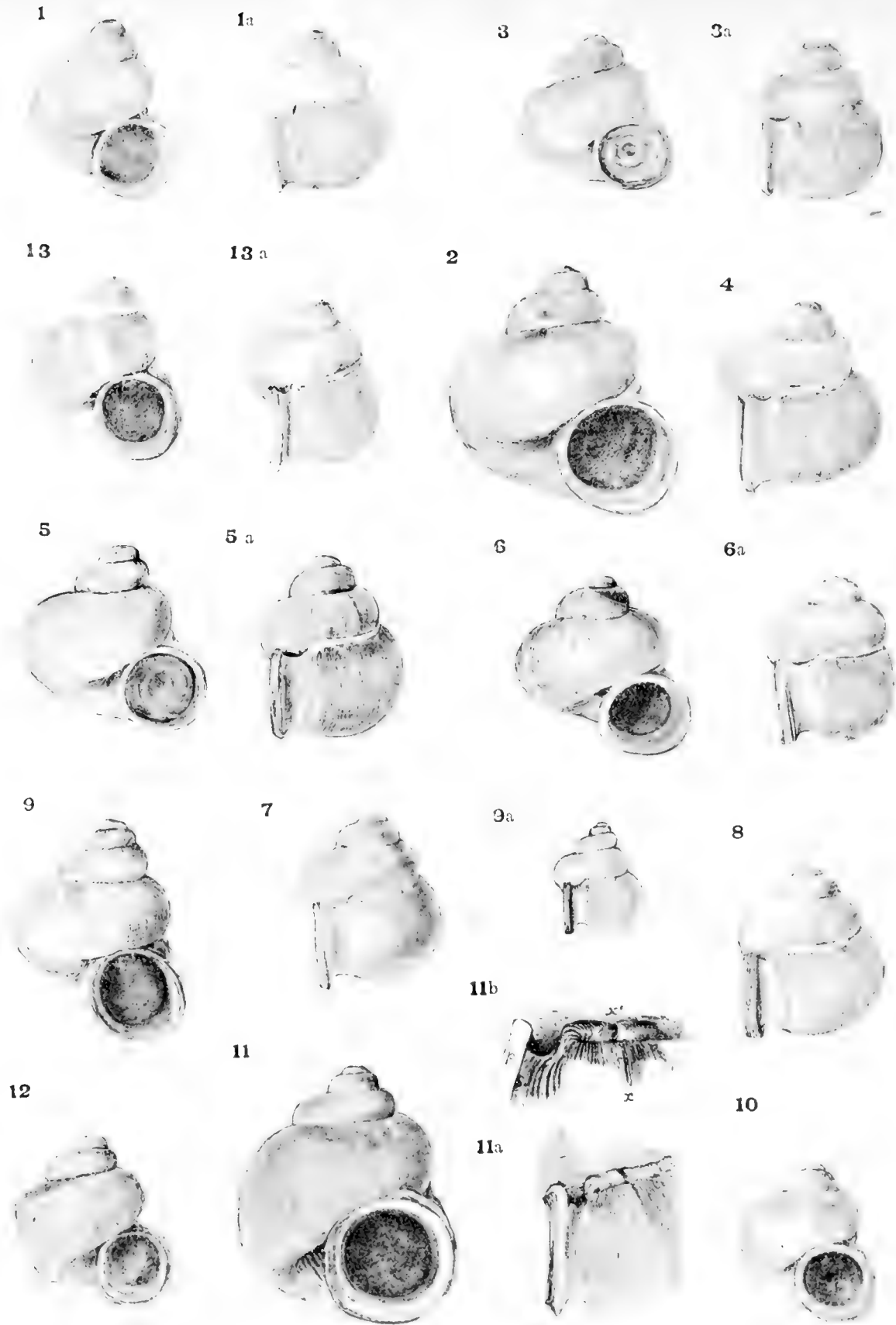
CATHAICA HOOKERI, n. sp. Darjiling.

- Fig. 1. Shell, front view, $\times 1.5$.
1 *a*. Ditto, from above, $\times 1.5$.
1 *b*. Extremity of the foot, side view, $\times 4.5$.
1 *c*. Ditto, showing the sole, $\times 4.5$.
1 *d*. The generative organs, $\times 8$.
1 *e*. Dart-sac, $\times 24$.
1 *f*. Ditto, $\times 8$.
1 *g*. Jaw, $\times 12.4$.
1 *h*. Centre and admedian teeth of the radula. Centre, with 1, 2, and 3 and 11, 12, 13. Much enlarged.
1 *i*. Buccal mass (*b*) with retractor muscle, and part of intestine (*i*), $\times 4.5$.

ZONITOIDES NOTABILIS, Sykes. Ceylon.

- Fig. 2. Animal, view of left side with shell, $\times 8$.
2 *a*. Ditto, head and part of mantle, right side, $\times 8$.
2 *b*. Ditto, visceral sac showing position of penis and dark under wall of the branchial sac, $\times 4.5$.
2 *c*. Jaw, $\times 58$.
2 *d*. Part of generative organs, showing penis and dart-sac, $\times 24$.
2 *e*. Part of same detached, spermatheca, $\times 24$.
2 *f*. Ditto, another view of penis and dart-sac, $\times 24$.
2 *g*. Genitalia, three figures showing different views of.
b, buccal mass; *d*, dart-sac; *i*, intestine; *gen.ap*, generative aperture; *h*, heart; *ov*, ovotestis; *p*, penis; *r.m.p*, retractor muscle of penis; *sp*, spermatheca; *vd*, vas deferens.





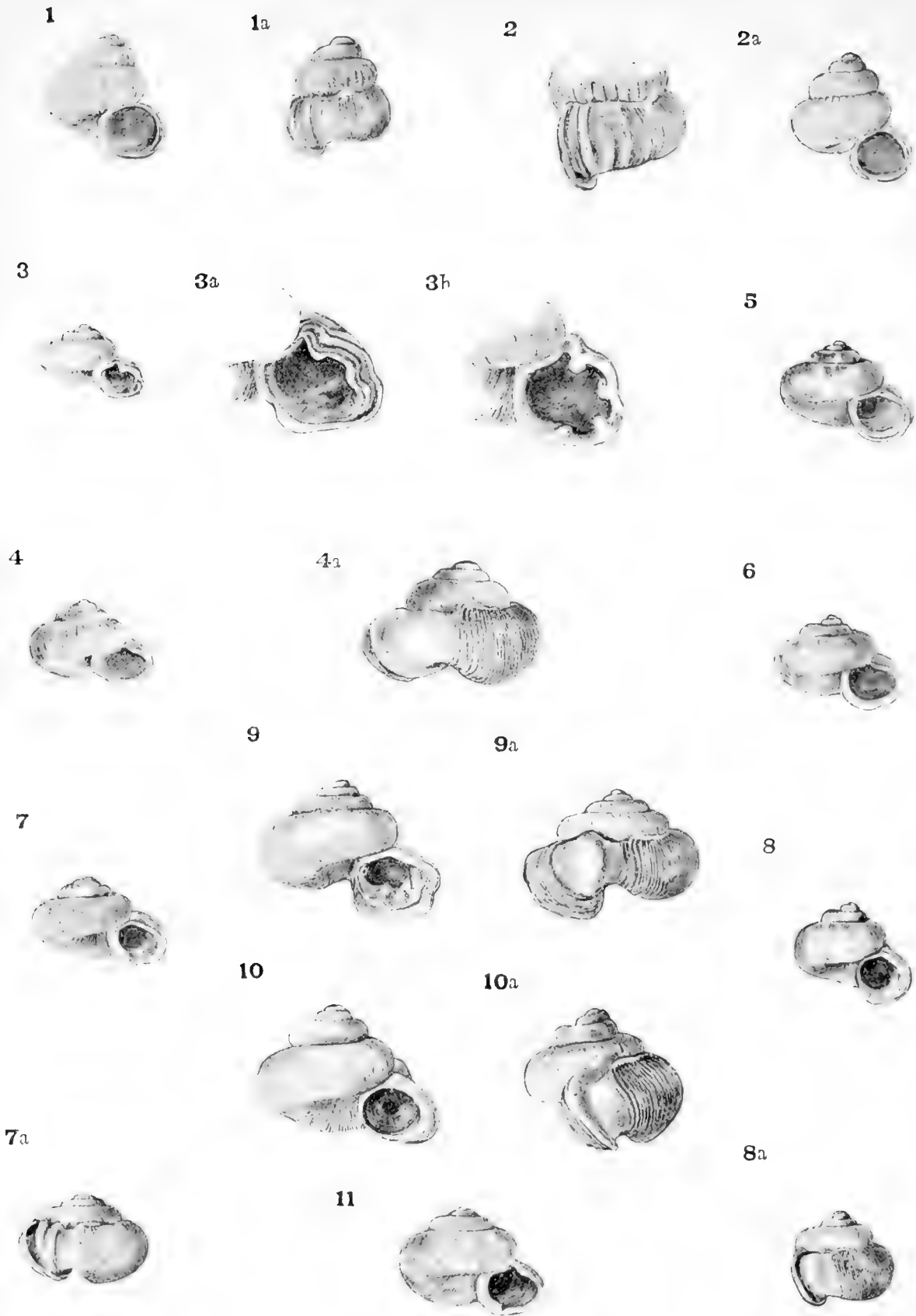
ALYCAEUS (DIORYX).

PLATE CLIII.

[Part XII.—December 1914.]

Fig. 1, 1 a.	ALYCÆUS (DIORYX) URNULA, Bs., × 7.	Darjiling.
2.	— (—) —, large variety, × 7.	W. Bhutan.
3, 3 a.	— (—) —, var. PISUM, × 7.	Jaintia Hills.
4.	— (—) —, var. DAFLAENSIS, × 7.	Daffa Hills.
5, 5 a.	— (—) —, var. ANGHAMIENSIS, × 7.	Naga Hills.
6, 6 a.	— (—) —, Ditto type, × 7.	Japvo Pk., Naga Hills.
7.	— (—) —, var. PISUM, × 7.	West Khasi.
8.	— (—) —, var. GLOBOSUS, × 7.	E. Assam.
9, 9 a.	— (—) URCEOLUS, n. sp., × 7 & 4.	Abor Hills.
10.	— (—) URNULA, Bs., var., × 7.	Munipur.
11, 11 a.	— (—) AMPHORA, Bs., × 7.	Moulmein.
11 b.	— (—) —, sutural tube, × 10·7.	
12.	— (—) FEDDENIANUS, Theobald, × 7.	Upper Salwin.
13, 13 a.	— (—) PINGOUNGENSIS, G.-A., × 7.	Burma.





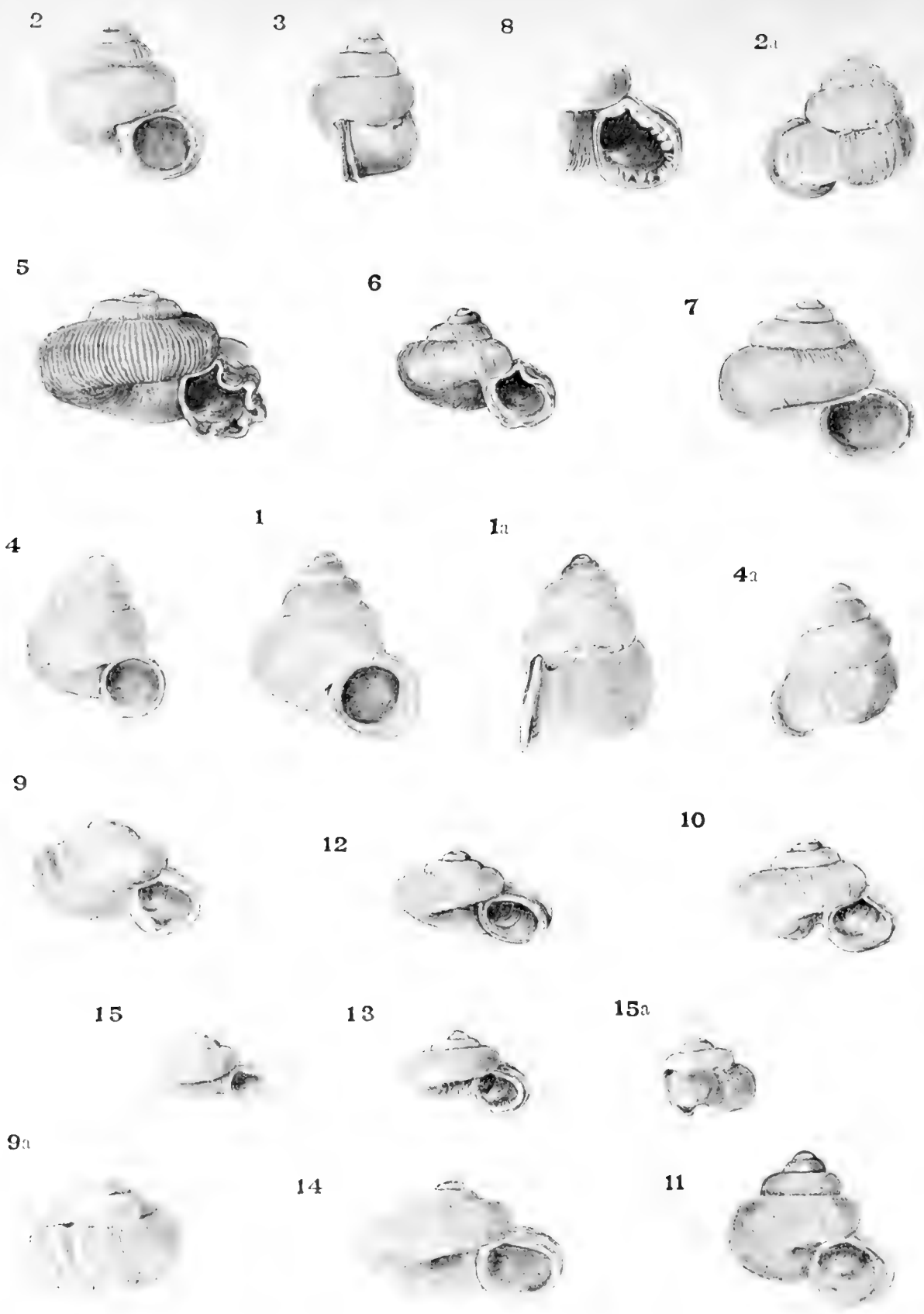
ALYCEUS.

PLATE CLIV.

[Part XII.—December 1914.]

- | | | |
|--------------|--------------------------------------------------|-----------------|
| Fig. 1, 1 a. | ALYCÆUS (CYCLORYX) CONSTRICTUS, Bs., × 8. | Darjiling. |
| 2, 2 a. | — (—) COSTATUS, n. sp., × 8. | Dafra Hills. |
| 3, 3 a. | — CRISPATUS, G.-A., var. RYWUKENSIS, × 8 & 12·5. | Garo Hills. |
| 3 b. | — —, × 12·5. | Ditto. |
| 4, 4 a. | — SYLHETICUS, n. sp., × 8. | South Sylhet. |
| 5. | — NEGLECTUS, n. sp., × 4·5. | Dafra Hills. |
| 6. | — ROTUNDATUS, n. sp., × 4·5. | Ditto. |
| 7, 7 a. | — BIRUGOSUS, n. sp., var., × 8. | Jaintia Hills. |
| 8, 8 a. | — SUBINFLATUS, n. sp., × 4·5. | N.E. Manipur. |
| 9, 9 a. | — OBSCURUS, n. sp., × 8. | Cherra Poonjee. |
| 10, 10 a. | — TERIAENSIS, n. sp., × 8. | Teria Ghat. |
| 11. | — CANALICULUS, n. sp., × 8. | Ditto. |



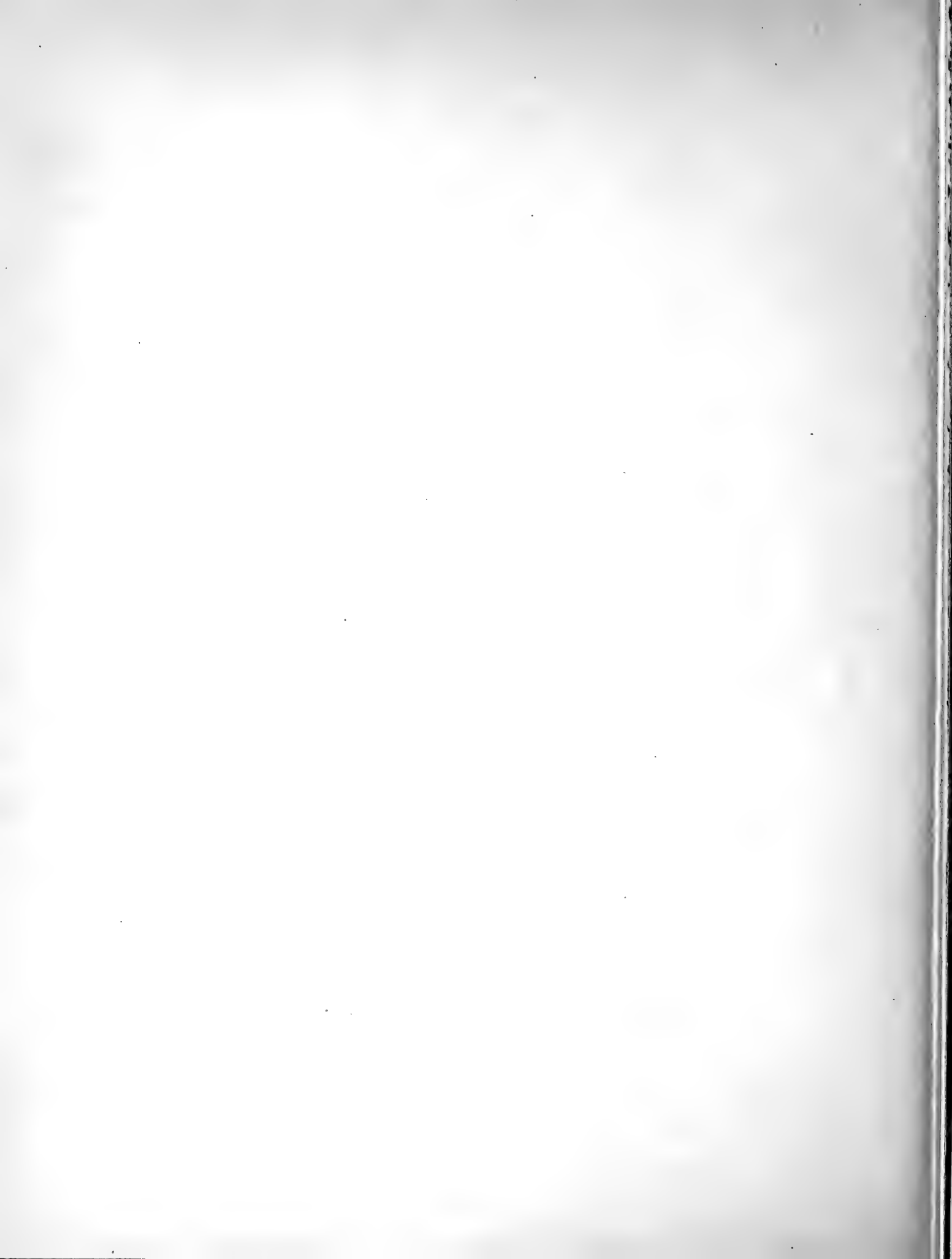


ALYCEUS.

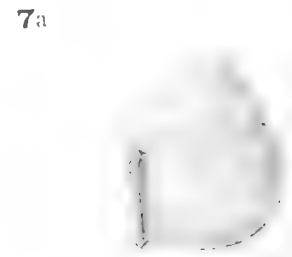
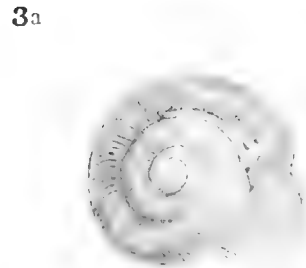
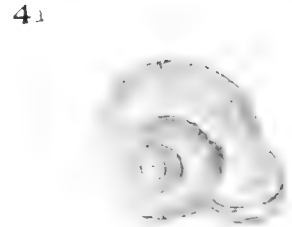
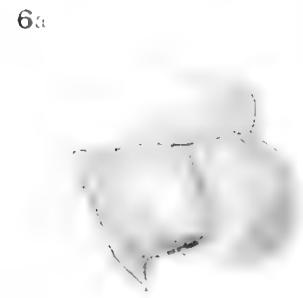
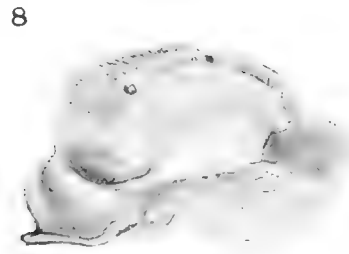
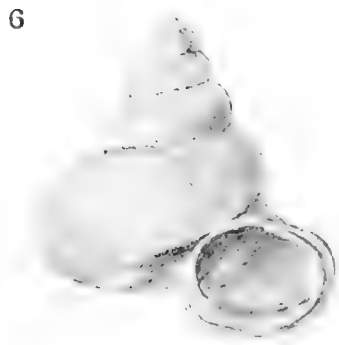
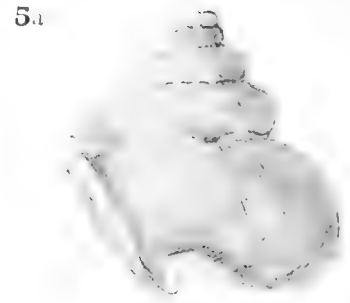
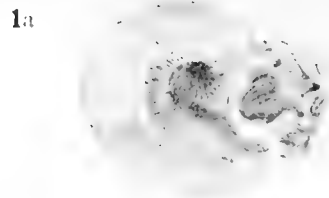
PLATE CLV.

[Part XII.—December 1914.]

Fig. 1, 1 a.	ALYCÆUS LABRIRUBIDUM, n. sp., × 4.5.	Moulmein.
2, 2 a.	— DIFFICILIS, n. sp., × 8.	Shan Hills.
3.	— TENELLUS, n. sp., × 8.	Ditto.
4, 4 a.	— —, × 8.	Ditto.
5.	— CUCULLATUS, Theobald, × 8.	Ditto.
6.	— LOGTAKENSIS, n. sp., × 8.	Munipur.
7.	— VESTITUS, W. Blf., var. AKYABENSIS, × 8.	Arakan.
8.	— SCULPTILIS, Bs., × 12.	Burma.
9, 9 a.	— BIRUGOSUS, G.-A., var. MINOR, × 12.	Garo Hills.
10.	— THEOBALDI, W. Blf., var. SOLIDUS, × 8.	Ditto.
11.	— PERPLEXUS, n. sp., × 8.	Khasi Hills.
12.	— NOTUS, n. sp., × 8.	Shan Hills.
13.	— OMISSUS, n. sp., × 8.	Eastern Shan.
14.	— WOODTHORPI, n. sp., × 8.	Shan Hills.
15, 15 a.	— NATTOUNGENSIS, n. sp., × 8.	Ditto.







ALYCEUS

PLATE CLVI.

[Part XII.—December 1914.]

Fig. 1, 1 a, 1 b.	ALYCEUS MAGNIFICUS, n. sp., × 8.	Abor Hills.
2.	— YAMNEYENSIS, n. sp., × 4·5.	Ditto.
3, 3 a.	— PANGGIANA, n. sp., × 4·5.	Ditto.
4, 4 a.	— SIBBUMENSIS, n. sp., × 4·5.	Ditto.
5, 5 a.	— GIBBUS, Fér., × 4·5.	Cochin China.
6, 6 a.	— PYRAMIDALIS, Bs., × 4·5.	Tenasserim.
7, 7 a.	— (DIORYX) COCHINENSIS, n. sp.?, × 4·5.	Cochin China.
8.	— STYLIFER, Bs., × 8; sutural tube, as seen from the inside.	Sikkim.





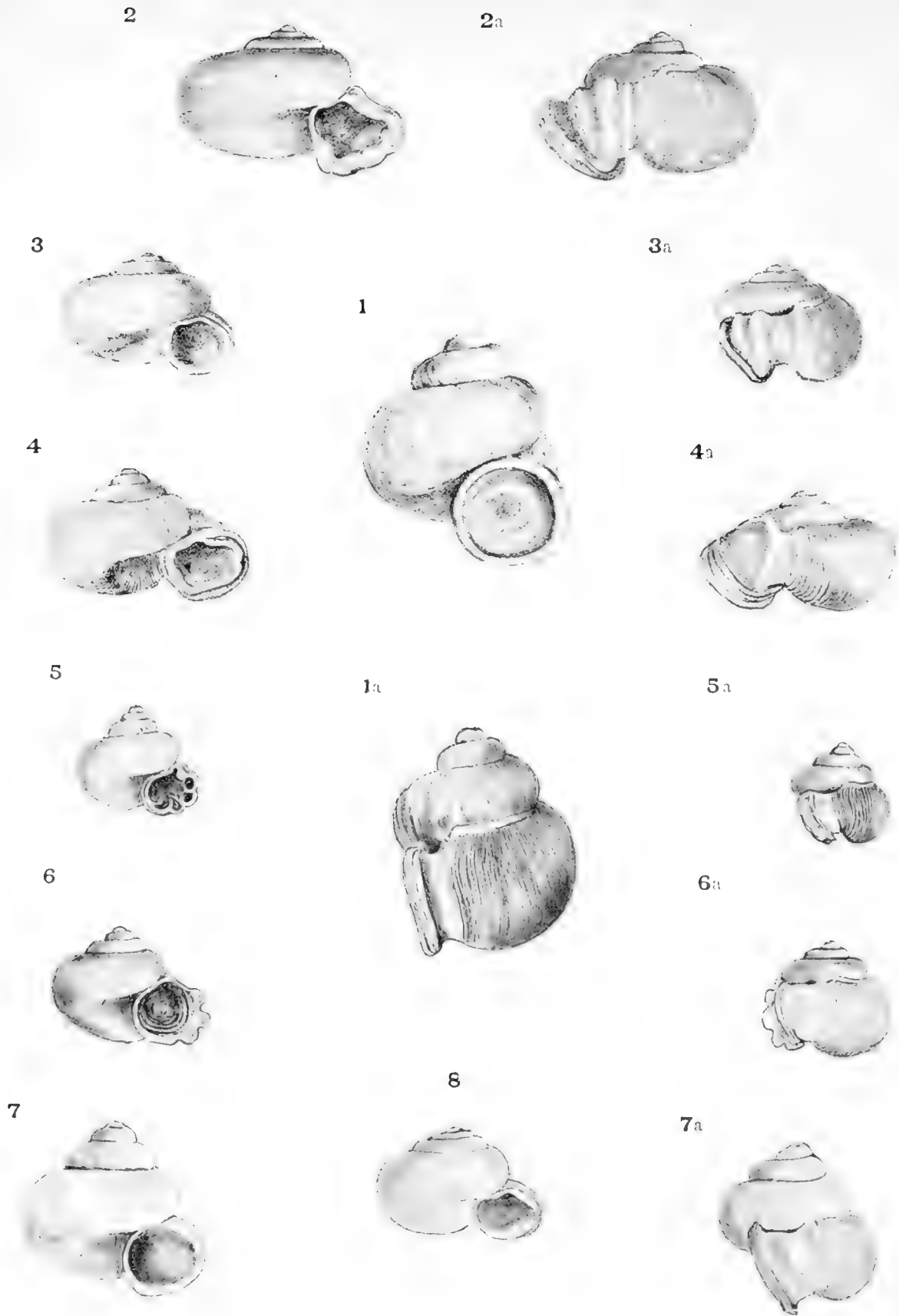


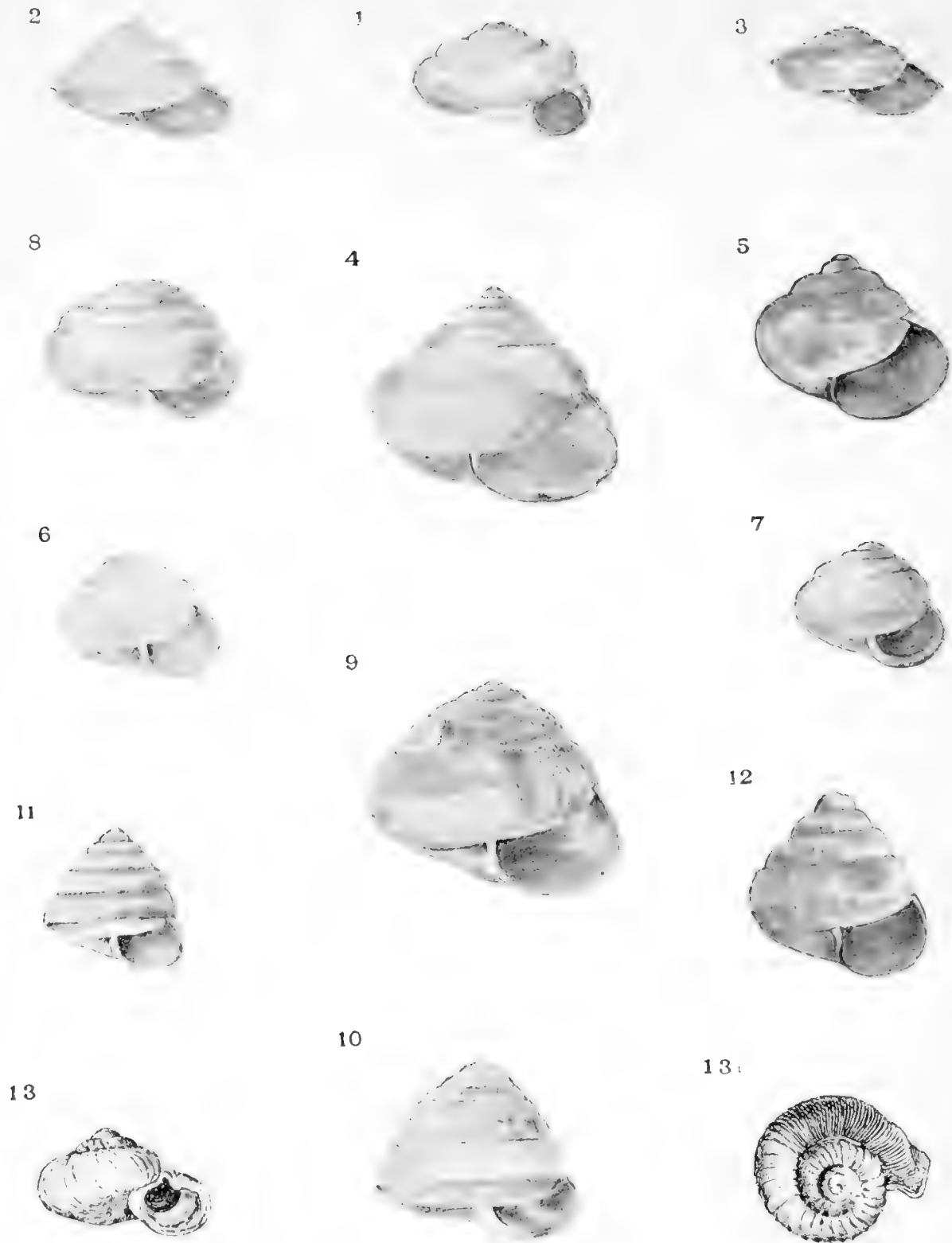
PLATE CLVII.

[Part XII.—December 1914.]

Fig. 1, 1 a.	ALYCEUS (DIORYX) GLOBULOSUS, n. sp., × 8.	Abor Hills.
2, 2 a.	— DUOCULMEN, n. sp., × 8.	Ditto.
3, 3 a.	— DUORUGOSUS, n. sp., × 8.	Naga Hills.
4, 4 a.	— OAKESI, n. sp., × 12.	Abor Hills.
5, 5 a.	— CHANJUKENSIS, n. sp., × 4·5.	Ditto.
6, 6 a.	— LUYORENSIS, n. sp., × 4·5.	Ditto.
7, 7 a.	— VARIUS, n. sp., × 8.	Lhota Naga.
8.	— MUTATUS, G.-A., × 8.	Dafra Hills.







VALLONIA, KALIELLA, PSEUDOKALIELLA, SITALA,
MACROCHLAMYS, AND ALYCEUS.

PLATE CLVIII.

[Part XII.—December 1914.]

- | | | |
|-----------|-----------------------------------------------------|-----------------|
| Fig. 1. | VALLONIA ? HUMILIS, Hutton, × 12. | N.W. Himalaya. |
| 2. | PSEUDOKALIELLA DIHINGENSIS, n. sp., × 4·5. | Eastern Assam. |
| 3. | — AKHAENSIS, n. sp., × 4·5. | Eastern Bhutan. |
| 4. | SITALA PEALII, n. sp., × 8. | Eastern Assam. |
| 5. | — SUBINJUSSA, n. sp., × 8. | Nilgiris. |
| 6. | — VAGA, n. sp., × 8. | Ditto. |
| 7. | KALIELLA MINUTISSIMA, n. sp., × 12. | Ditto. |
| 8. | HELIX (ENDODONTA ?) ROTUNDUS, n. sp., × 8. | Ditto. |
| 9. | MACROCHLAMYS SILCURIENSIS, n. sp., × 8. | Cachar. |
| 10. | KALIELLA THOLUS, n. sp., × 8. | Nilgiris. |
| 11. | — HENZADAENSIS, n. sp., × 8. | Pegu. |
| 12. | — RADICITA, n. sp., × 12. | Nilgiris. |
| 13, 13 a. | ALYCEUS CRISPATUS, G.-A., var. MAKARSÆ, G.-A., × 8. | N. Khasi. |

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[JANUARY 1898.

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