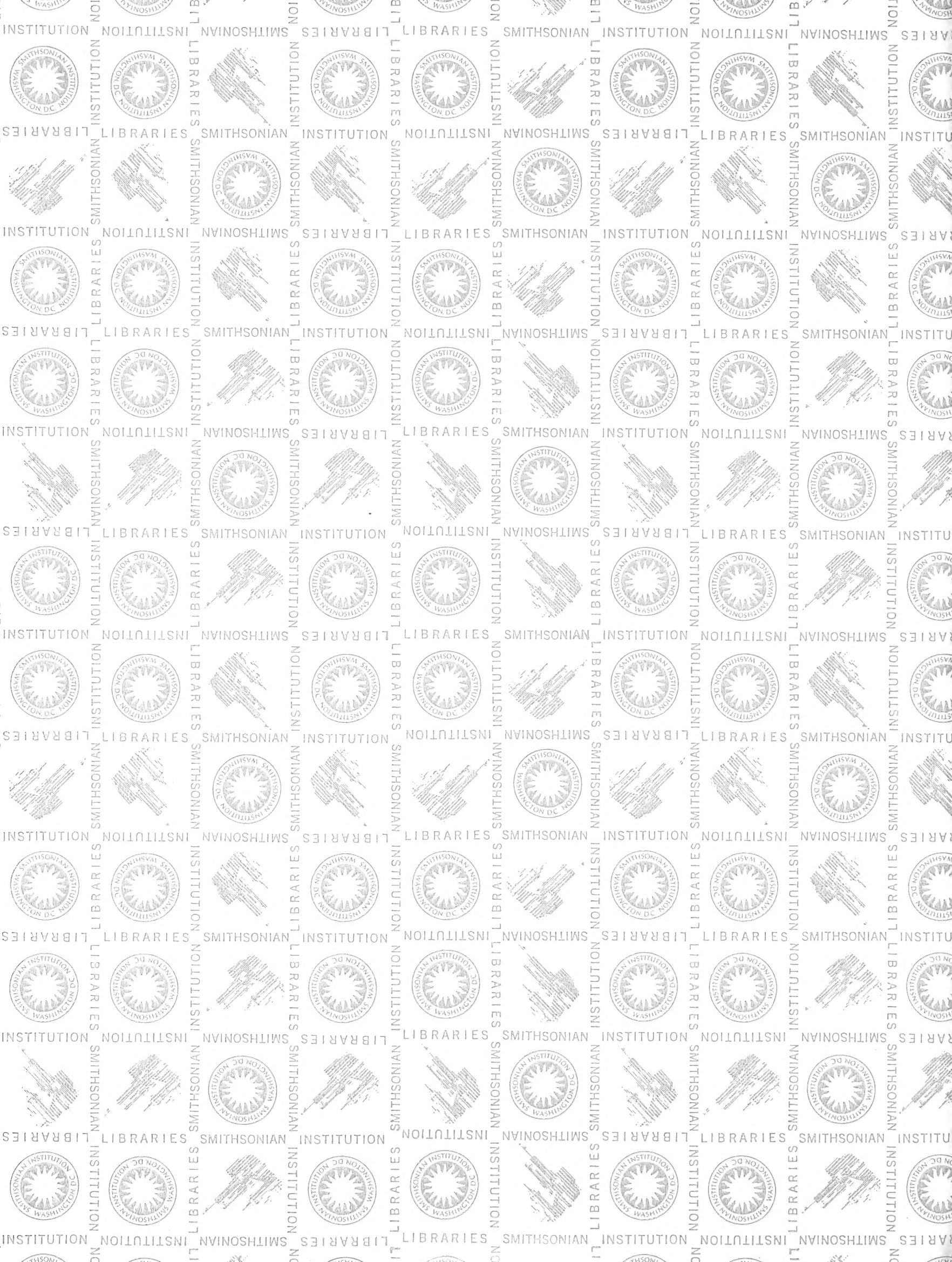
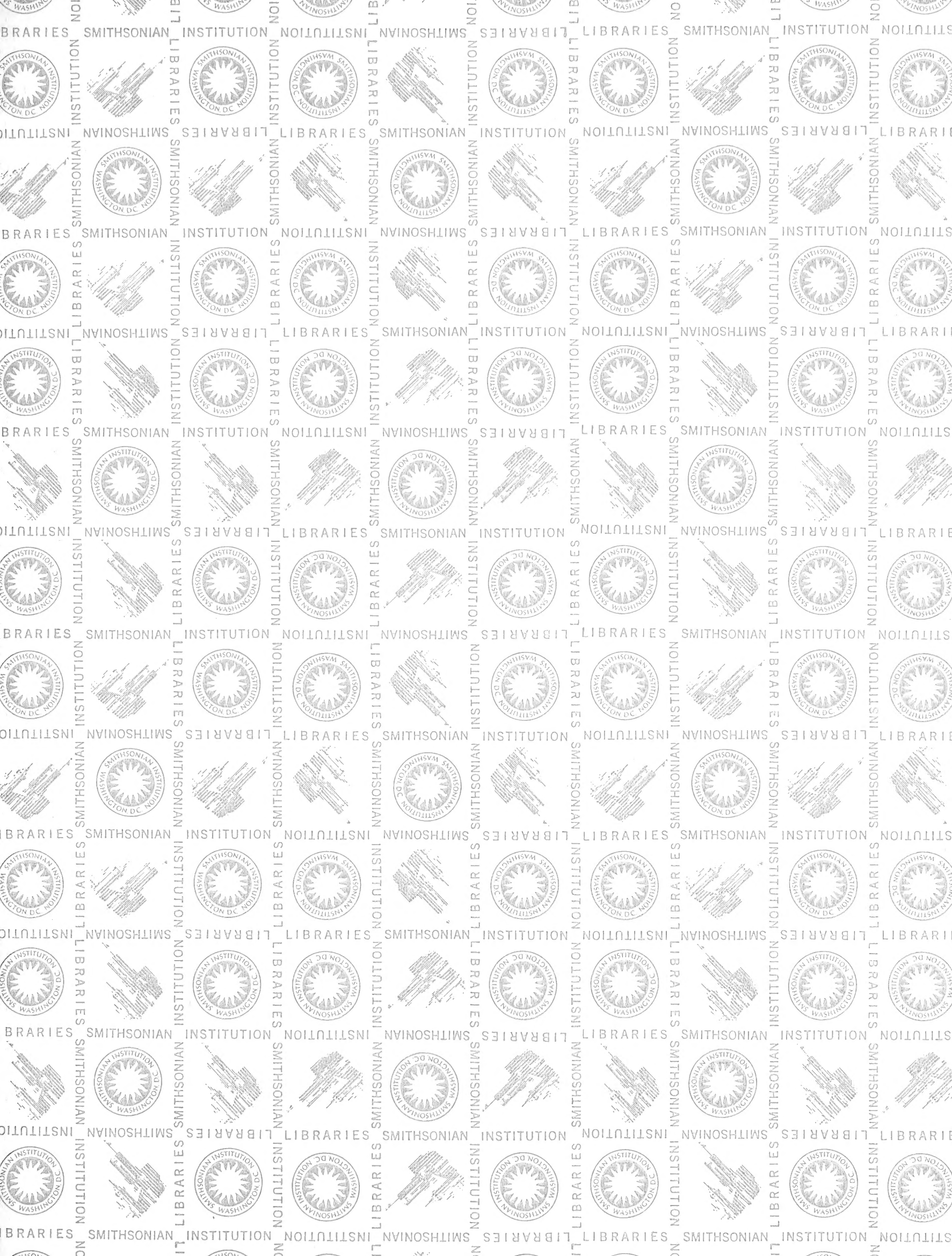


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OF
H. M. INDIAN MARINE SURVEYING STEAMER
INVESTIGATOR,

UNDER THE COMMAND OF
COMMANDER A. CARPENTER, R.N., D.S.O.,
AND OF
COMMANDER R. F. HOSKYN, R.N.

PART I.
FISHES, Plates I—VII. 1/ - 35



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EXPLANATION OF PLATES.

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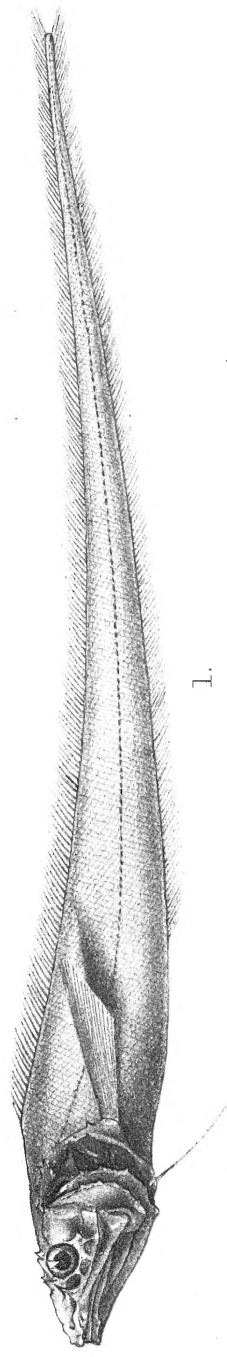
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PLATE I.

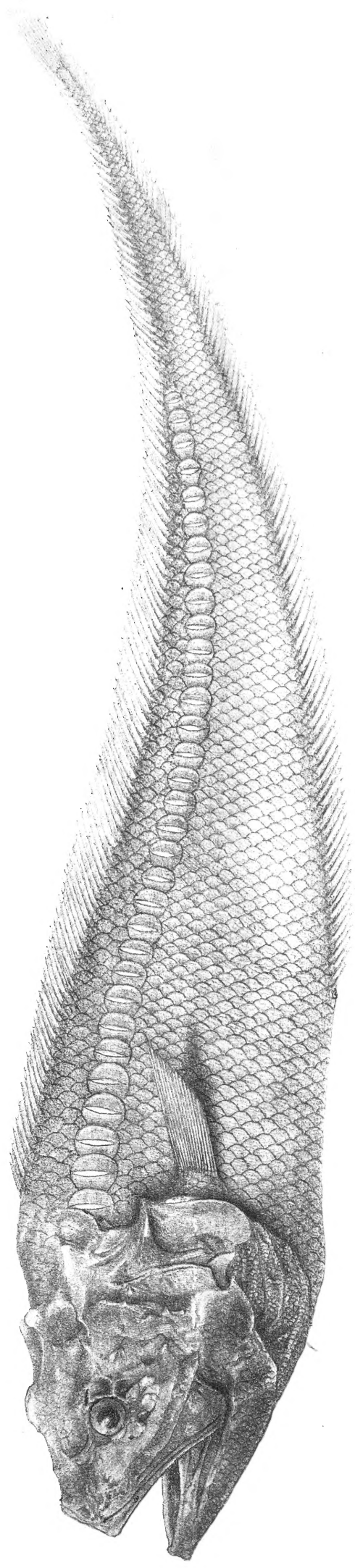
Fig. 1.—*Dermatorus trichiurus*, Annals and Magazine of Natural History, October, 1890, pp. 298 and 299.

Fig. 2.—*Lamprogrammus niger*, Annals and Magazine of Natural History, July, 1891, pp. 33 and 34.

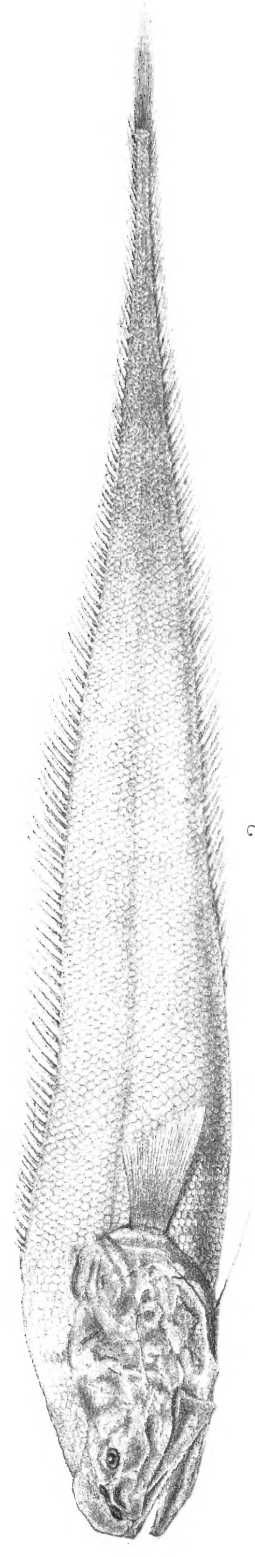
Fig. 3.—*Bathyonus glutinosus*, Annals and Magazine of Natural History, September, 1890, pp. 211 and 212.



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1. *DERMATORUS TRICHIURUS*. 2. *LAMPROGRAMMUS NIGER*. 3. *BATHYONUS GLUTINOSUS*.

EXPLANATION OF PLATES.

FISHES,

[UNDER THE DIRECTION of A. ALCOCK.]

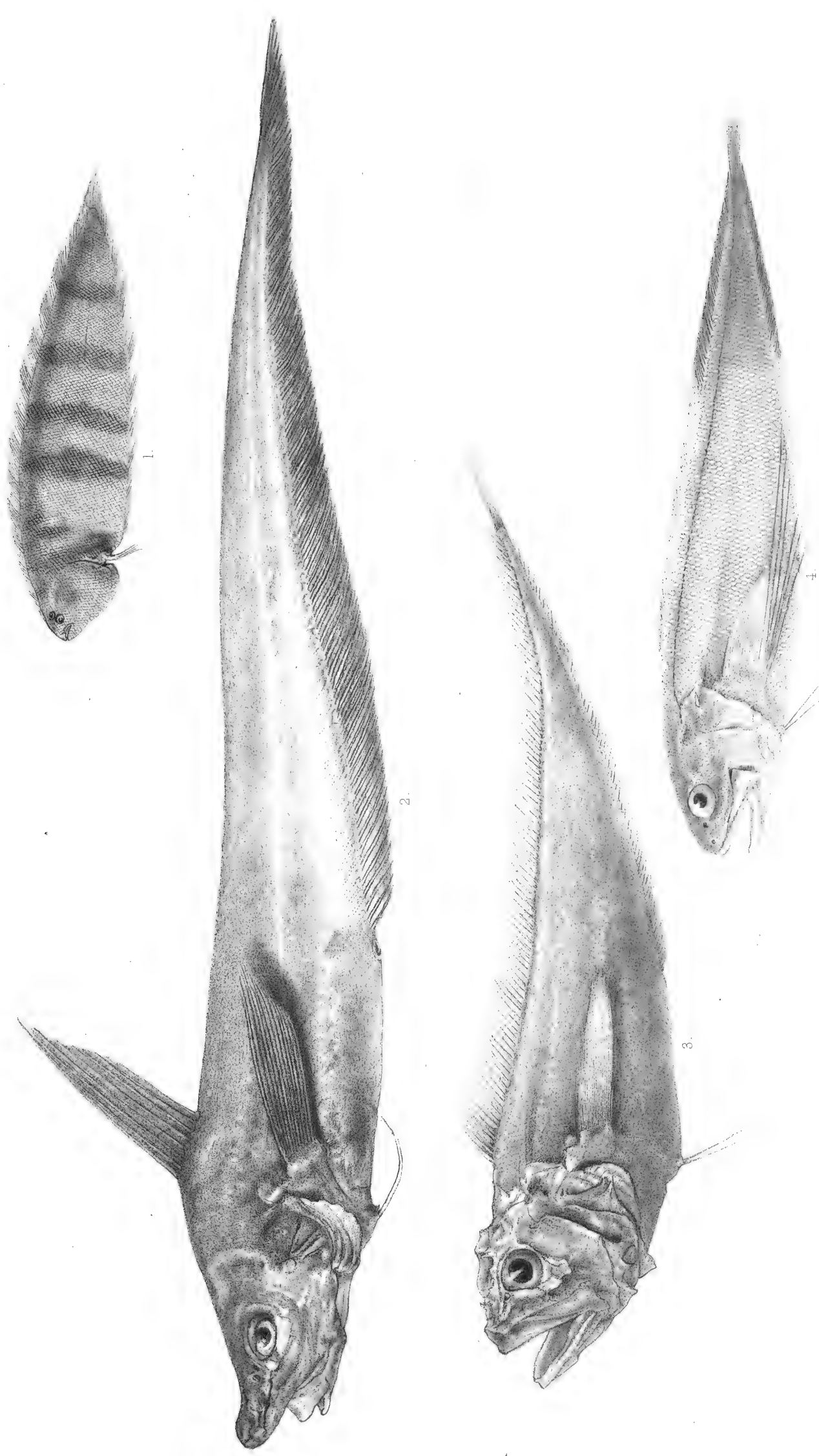
PLATE II.

Fig. 1.—*Aphoristia septemstriata*, Annals and Magazine of Natural History, August, 1891, pp. 125 and 126.

Fig. 2.—*Ateleopus indicus*, Annals and Magazine of Natural History, August, 1891, pp. 123 to 125.

Fig. 3.—*Glyptophidium argenteum*, Annals and Magazine of Natural History, November, 1889, pp. 390 and 391.

Fig. 4.—*Paradicrolene* ^{*maccaudis*} *multifilis*, Annals and Magazine of Natural History, November, 1889, pp. 387 to 389.



1. APHORISTIA SEPTEMSTRIATA. 2. ATELEOPUS INDICUS. 3. GLYPTOPHIDIUM ARGENTEUM. 4. PARADICROLENE NIGRICAUDIS.

EXPLANATION OF PLATES.

FISHES,

[UNDER THE DIRECTION of A. ALCOCK.]

PLATE III.

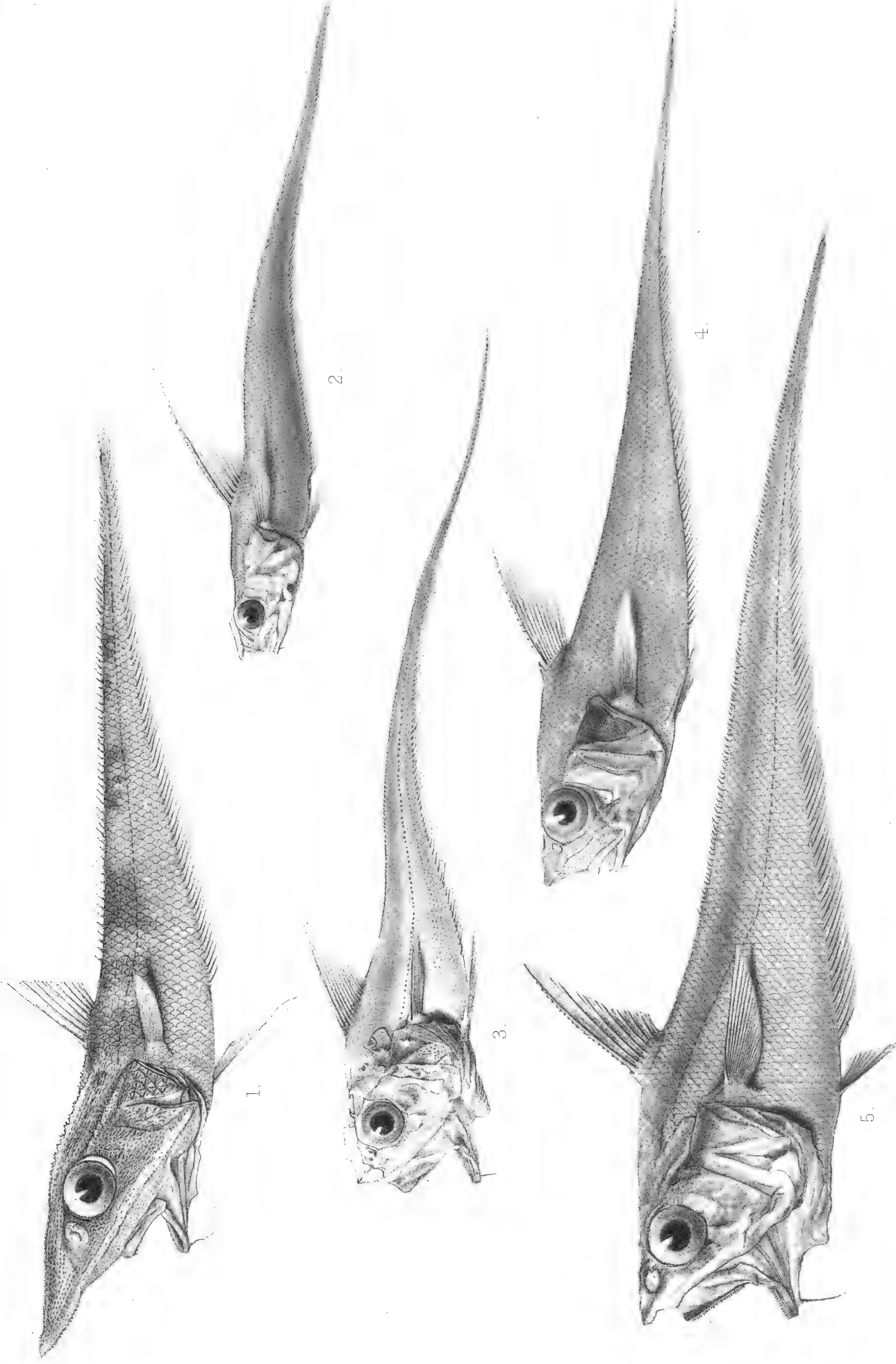
Fig. 1.—*Macrurus quadricristatus*, Annals and Magazine of Natural History, August, 1891, pp. 119 and 120.

Fig. 2.—*Macrurus lophotes*, Annals and Magazine of Natural History, November, 1889, p. 395.

Fig. 3.—*Macrurus heterolepis*, Annals and Magazine of Natural History, November, 1889, pp. 396 and 397, and August, 1891, pp. 122 and 123.

Fig. 4.—*Macrurus Investigatoris*, Annals and Magazine of Natural History, November, 1889, pp. 391 and 392.

Fig. 5.—*Macrurus Petersonii*, Annals and Magazine of Natural History, August, 1891, pp. 121 and 122.



1. *MACRURUS QUADRICRISTATUS*. 2. *MACRURUS LOPHOTES*. 3. *MACRURUS HETEROLEPIS*.
4. *MACRURUS INVESTIGATORIS*. 5. *MACRURUS PETERSONII*.

EXPLANATION OF PLATES.

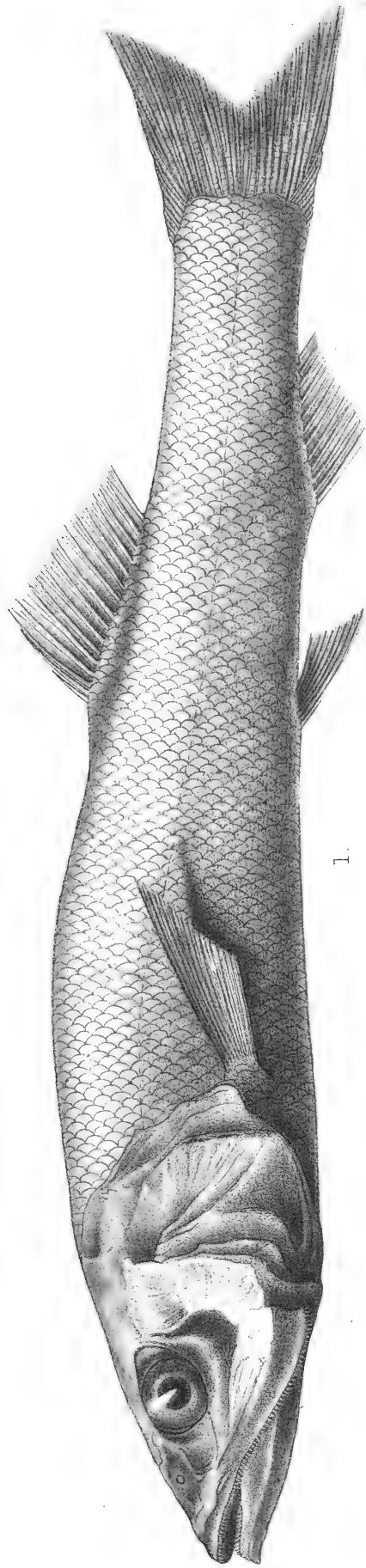
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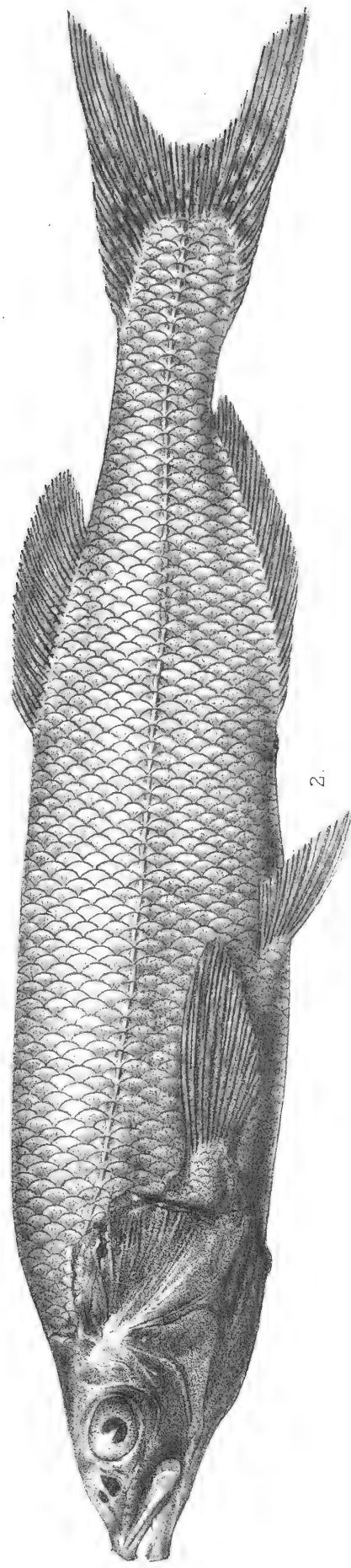
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Fig. 1.—*Narcetes erimelas*, Annals and Magazine of Natural History, October, 1890, pp. 305 and 306.

Fig. 2.—*Alepocephalus bicolor*, Annals and Magazine of Natural History, August, 1891, pp. 133 to 135.



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1. NARCETES ERIMELAS 2. ALEPOCEPHALUS BICOLOR.

EXPLANATION OF PLATES.

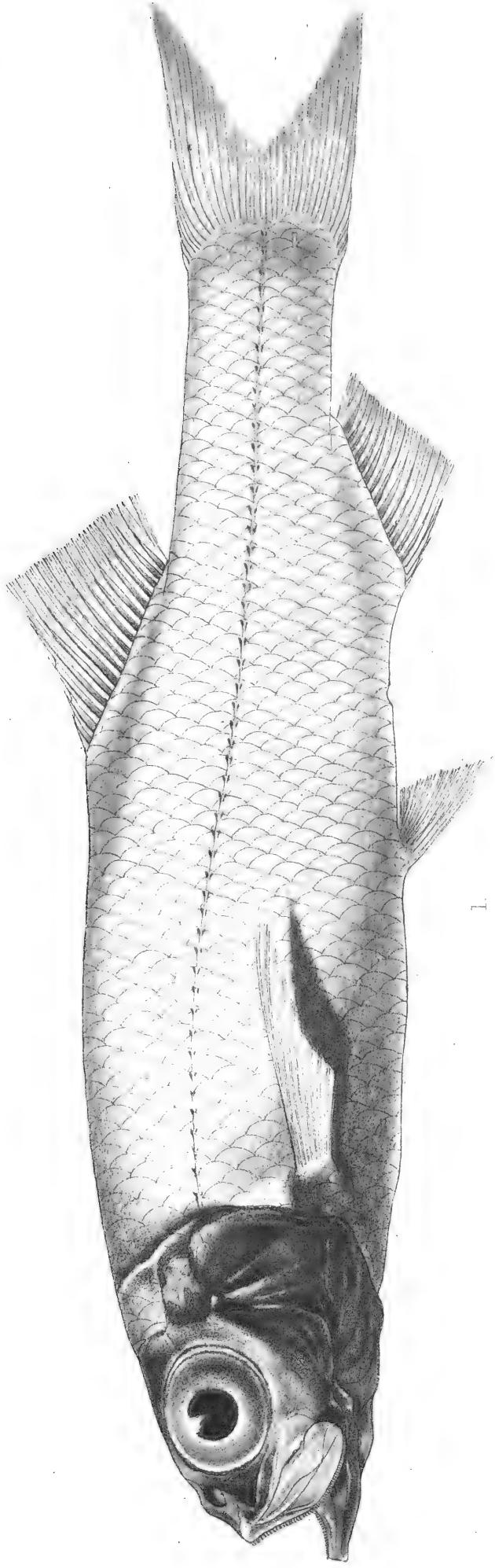
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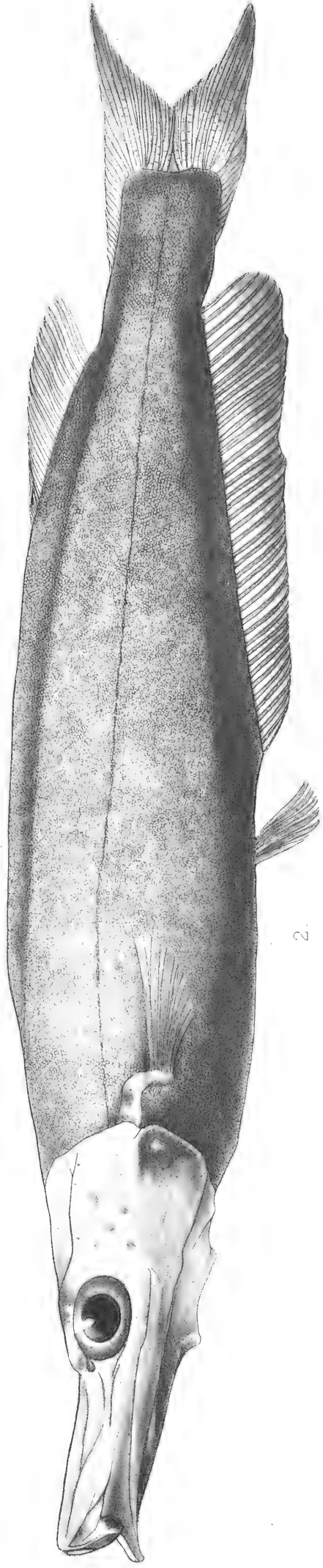
PLATE V.

Fig. 1.—*Bathytroctes squamosus*, Annals and Magazine of Natural History, October, 1890, pp. 303 to 305.

Fig. 2.—*Aulastomatomorpha phosphorops*, Annals and Magazine of Natural History, October, 1890, pp. 307 to 309.



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1. BATHYTROCTES SQUAMOSUS 2. AULASTOMATOMORPHA PHOSPHOROPS.

EXPLANATION OF PLATES.

FISHES,

[UNDER THE DIRECTION of A. ALCOCK.]

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Fig. 2.—*Promyllantor purpureus*, Annals and Magazine of Natural History, October, 1890, pp. 310 and 311.

Fig. 3.—*Sauromurænesox vorax*, Annals and Magazine of Natural History, December, 1889, pp. 458 and 459.



1. DYSOMMA BUCEPHALUS. 2. PROMYLLANTOR PURPUREUS. 3. SAUROMURAENESOX VORAX.

EXPLANATION OF PLATES.

FISHES,

[UNDER THE DIRECTION of A. ALCOCK.]

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Fig. 1.—*Stomias nebulosus*, Annals and Magazine of Natural History, December, 1889, pp. 451 and 452.

Figs. 2, 2a.—*Halosaurichthys carinicauda*, Annals and Magazine of Natural History, December, 1889, pp. 454 and 455.

Fig. 3.—*Halosaurus Hoskynii*, Annals and Magazine of Natural History, October, 1890, pp. 309 and 310.

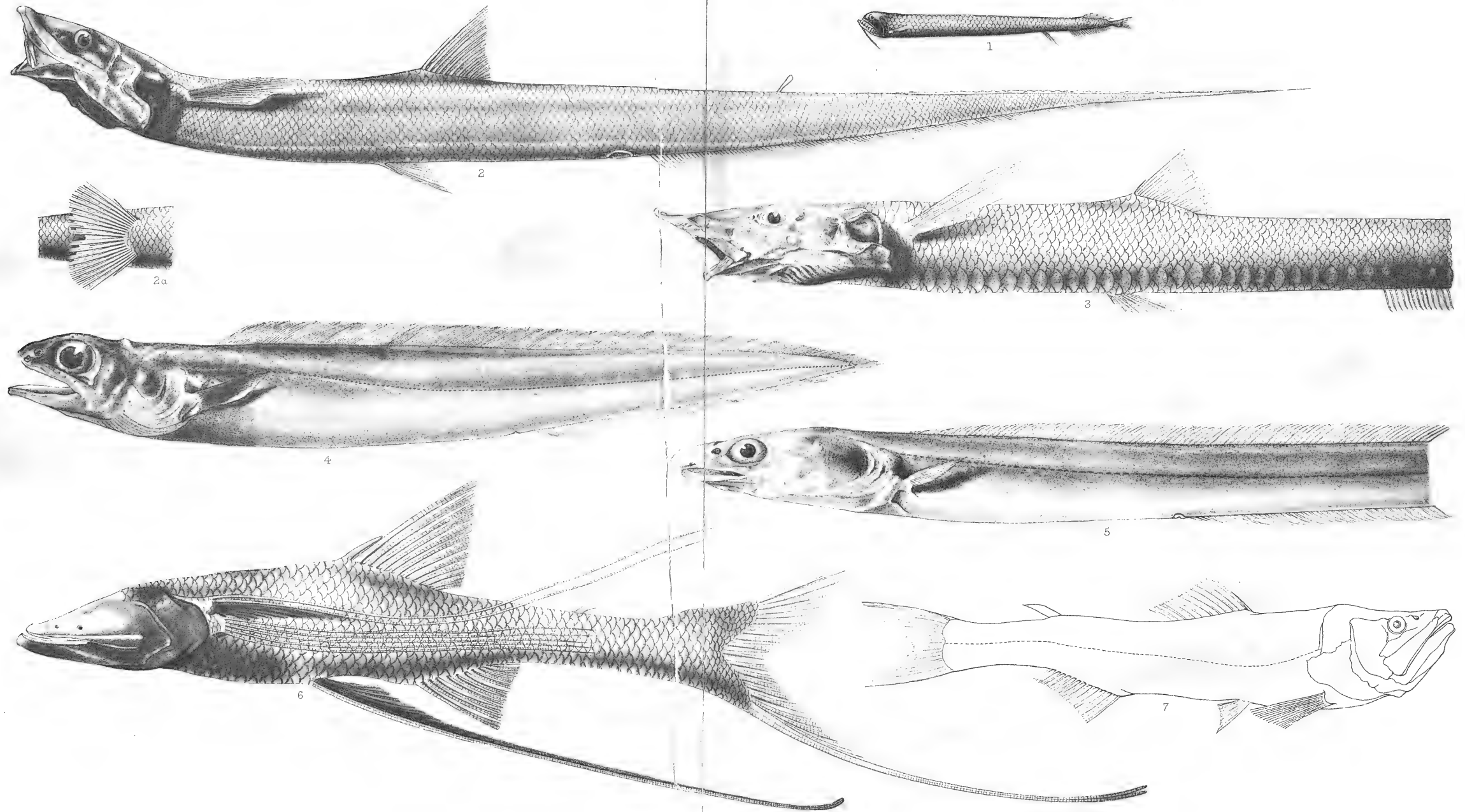
Fig. 4.—*Coloconger raniceps*, Annals and Magazine of Natural History, December, 1889, pp. 456 and 457.

Fig. 5.—*Congromuræna longicauda*, Annals and Magazine of Natural History, December, 1889, pp. 455 and 456.

Fig. 6.—*Bathypterois Guentheri*, Annals and Magazine of Natural History, December, 1889, pp. 450 and 451.

Fig. 7.—*Scopelengys tristis*, Annals and Magazine of Natural History, October, 1890, p. 303.





1. *Stomias nebulosus*. 2. *Halosaurichthys carinicauda*. 3. *Halosaurus hoskynii*. 4. *Coloconger raniceps*. 5. *Congromuræna longicauda*. 6. *Bathypterois guentheri*. 7. *Scopelogys tristis*.

Mr G. Brown Esq. 506.
DIVISION OF FISHES

ILLUSTRATIONS
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Part II., Plates VIII—XIII.



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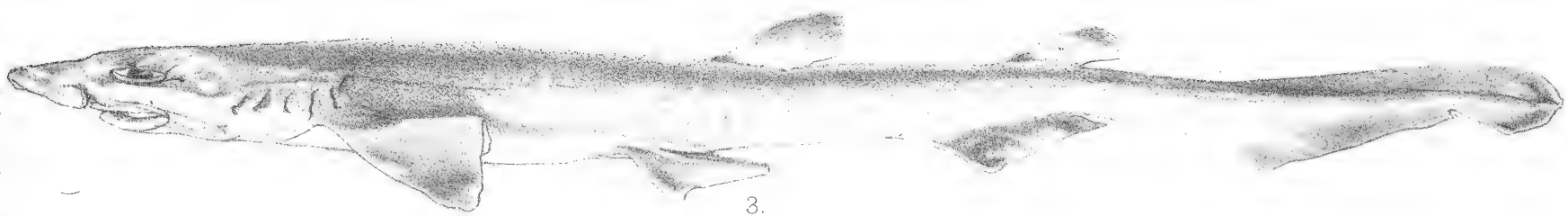
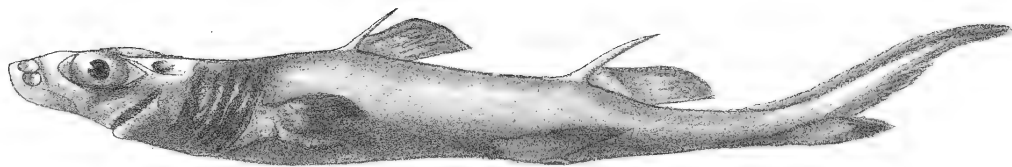
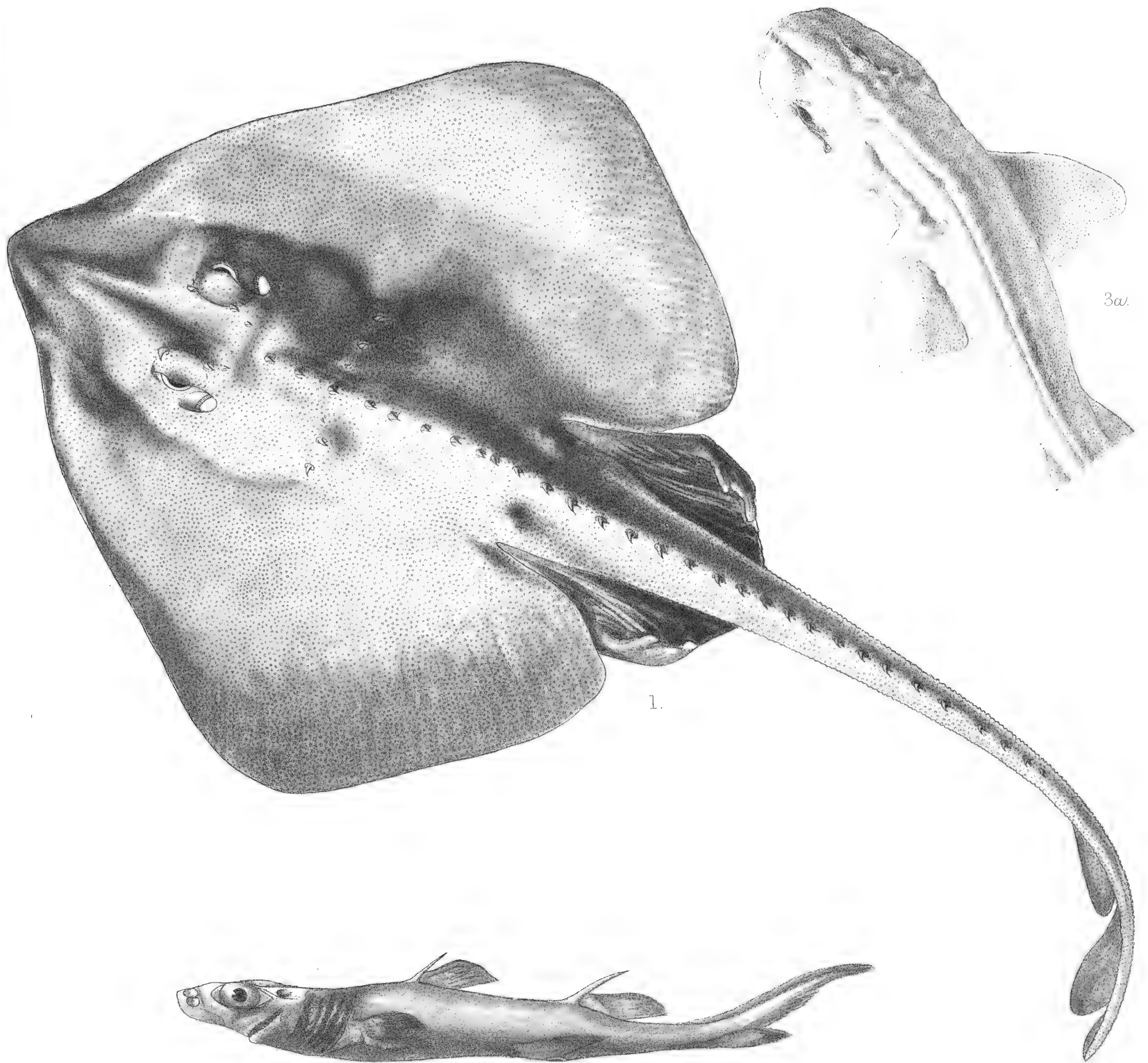
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PLATE VIII.

Fig. 1.—*Raja mamillidens*, Annals and Magazine of Natural History, November, 1889, p. 380.

Fig. 2.—*Paracentroscyllium ornatum*, Annals and Magazine of Natural History, November, 1889, p. 379.

Figs. 3, 3a.—*Scyllium hispidum*, Annals and Magazine of Natural History, July, 1891, p. 21.



1. *Raja mamillidens*. 2. *Paracentroscyllium ornatum*. 3. *Scyllium hispidum*.

EXPLANATION OF PLATES.

FISHES.

[UNDER THE DIRECTION OF A. ALCOCK.]

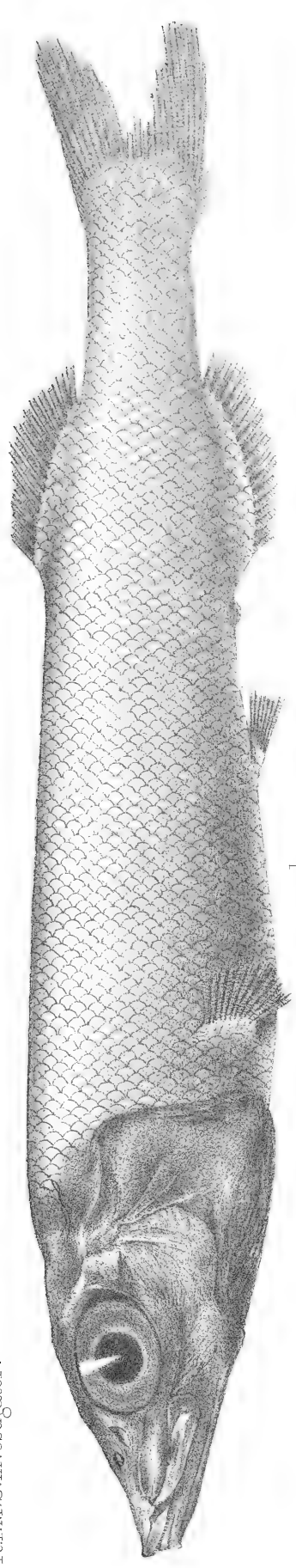
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Fig. 1.—*Alepocephalus blanfordi*, Annals and Magazine of Natural History, November, 1892, pp. 357 and 358.

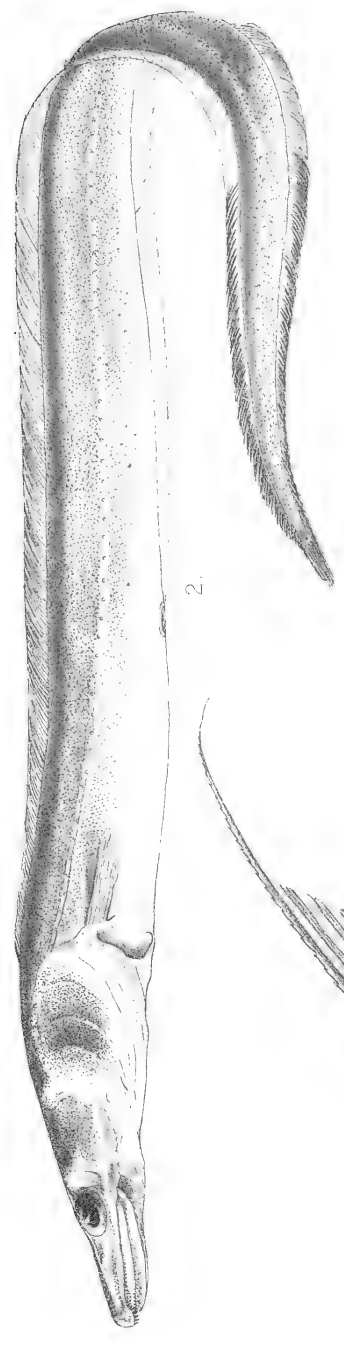
Fig. 2.—*Congromuræna nasica*, Journal of the Asiatic Society of Bengal, Vol. LXII, Pt. 2, 1893, p. 15.

Fig. 3.—*Scopelus pterotus*, Annals and Magazine of Natural History, September, 1890, pp. 217 and 218.

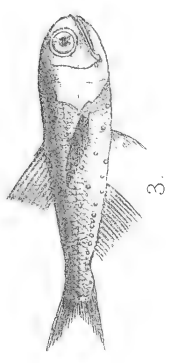
Fig. 4.—*Macrurus hoskynii*, Annals and Magazine of Natural History, September, 1890, pp. 214 and 215.



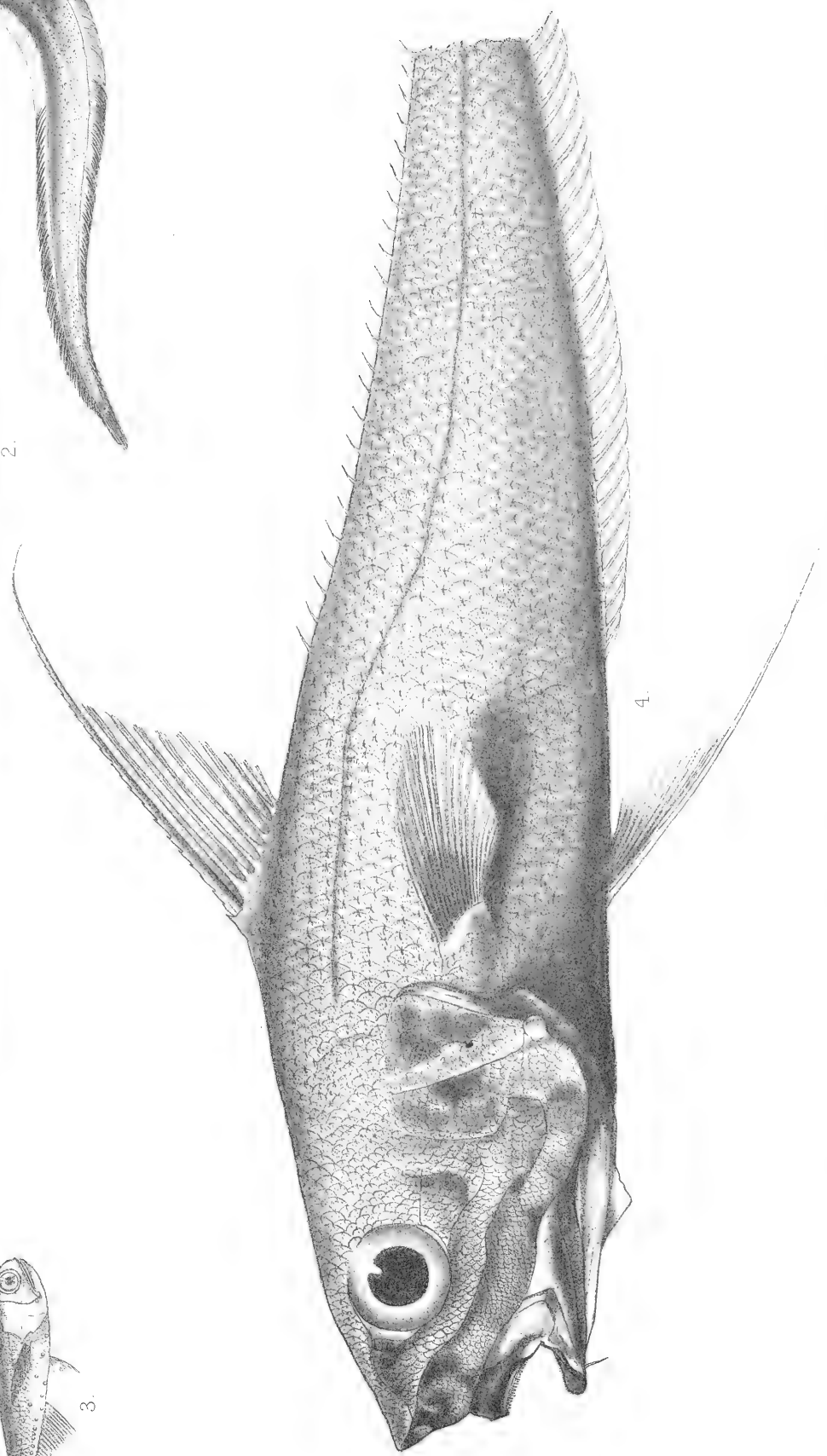
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1. *Alepocephalus blanfordi* x 3. 2. *Congromuraena nasica*. 3. *Macrurus hoskynii*.

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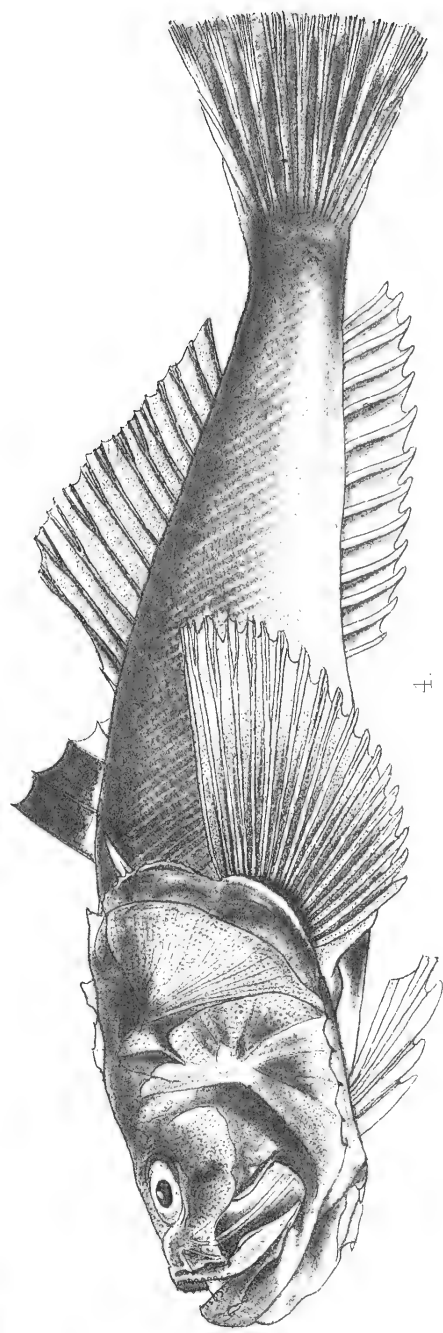
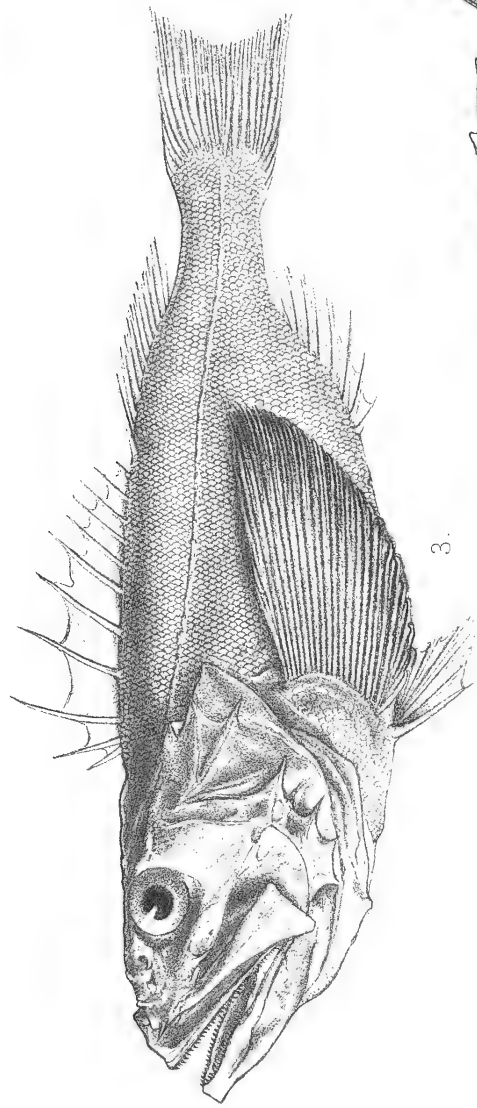
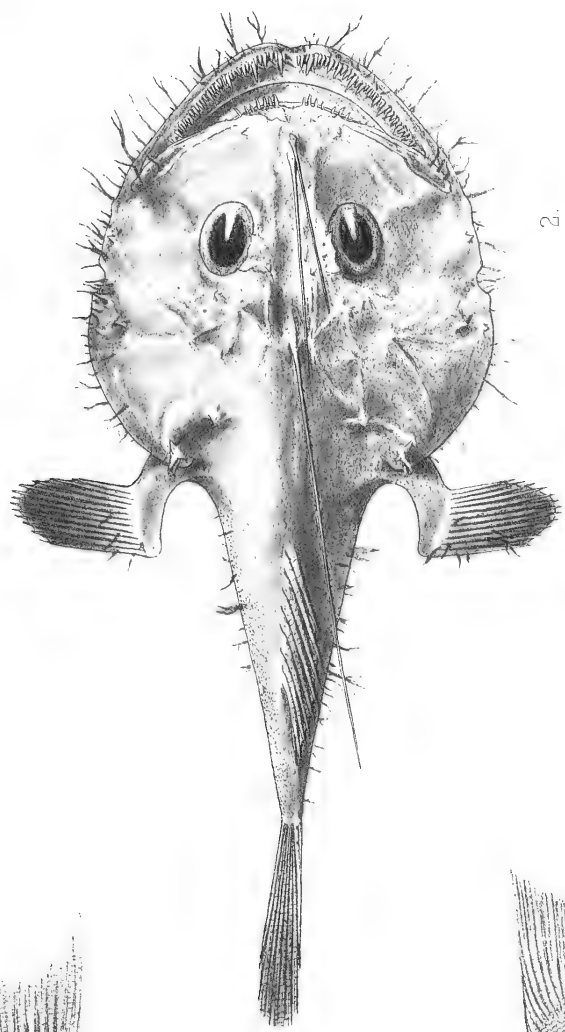
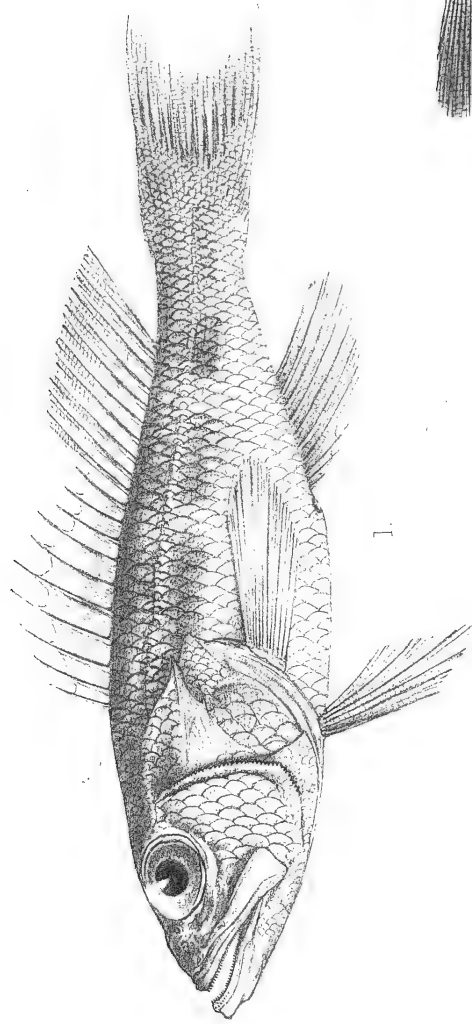
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Fig. 1.—*Centropristis investigatoris*, Annals and Magazine of Natural History, September, 1890, pp. 199 and 200.

Fig. 2.—*Lophius mutilus*, Journal of the Asiatic Society of Bengal, Vol. LXII, Pt. 2, 1893, pp. 11 and 12.

Fig. 3.—*Lioscorpius longiceps*, var. *longimanus*, Annals and Magazine of Natural History, July, 1891, p. 23.

Fig. 4.—*Uranoscopus crassiceps*, Annals and Magazine of Natural History, September, 1890, pp. 205 and 206.



1. *Centropristis investigatoris*. 2. *Lophius mutilus*. 3. *Lioscorpis longiceps*, var. *longimanus*. 4. *Uranoscopus crassiceps*.

EXPLANATION OF PLATES.

FISHES.

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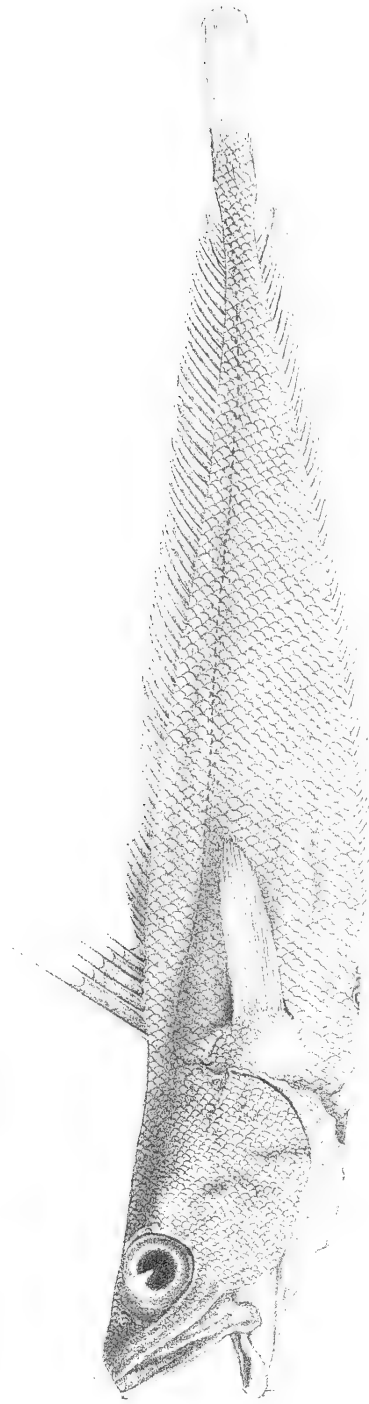
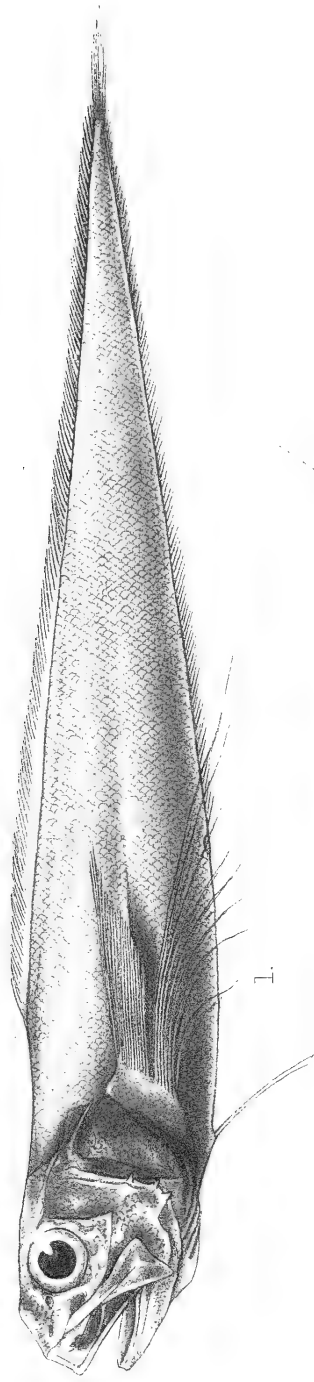
PLATE XI.

Fig. 1.—*Paradicrolene multifilis*, Annals and Magazine of Natural History, November, 1889, pp. 387 to 389; July, 1891, p. 32, and November, 1892, p. 348.

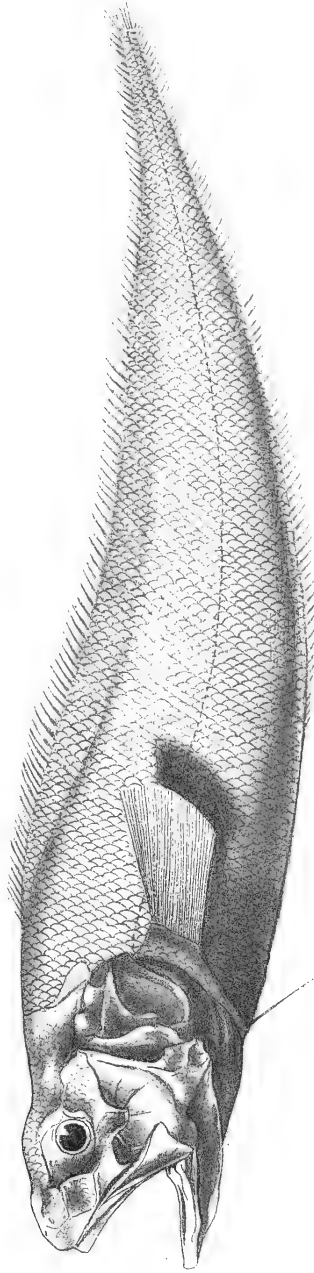
Fig. 2.—*Physiculus roseus*, Annals and Magazine of Natural History, July, 1891, p. 28.

Fig. 3.—*Monomitopus nigripinnis*, Annals and Magazine of Natural History, November, 1889, p. 384; October, 1890, p. 297; and July, 1891, p. 29.

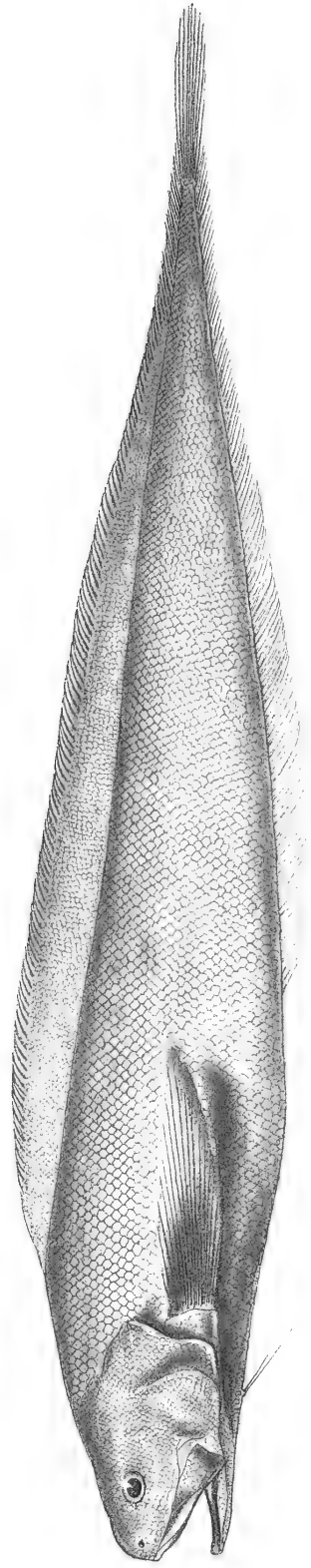
Fig. 4.—*Neobythites pterotus*, Annals and Magazine of Natural History, September, 1890, p. 210; October, 1890, p. 297; July, 1891, p. 30.



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1. *Paradicrolene multifilis*. 2. *Physiculus roseus*. 3. *Monomitopus nigripinnis*. 4. *Neobythites pterotus*.

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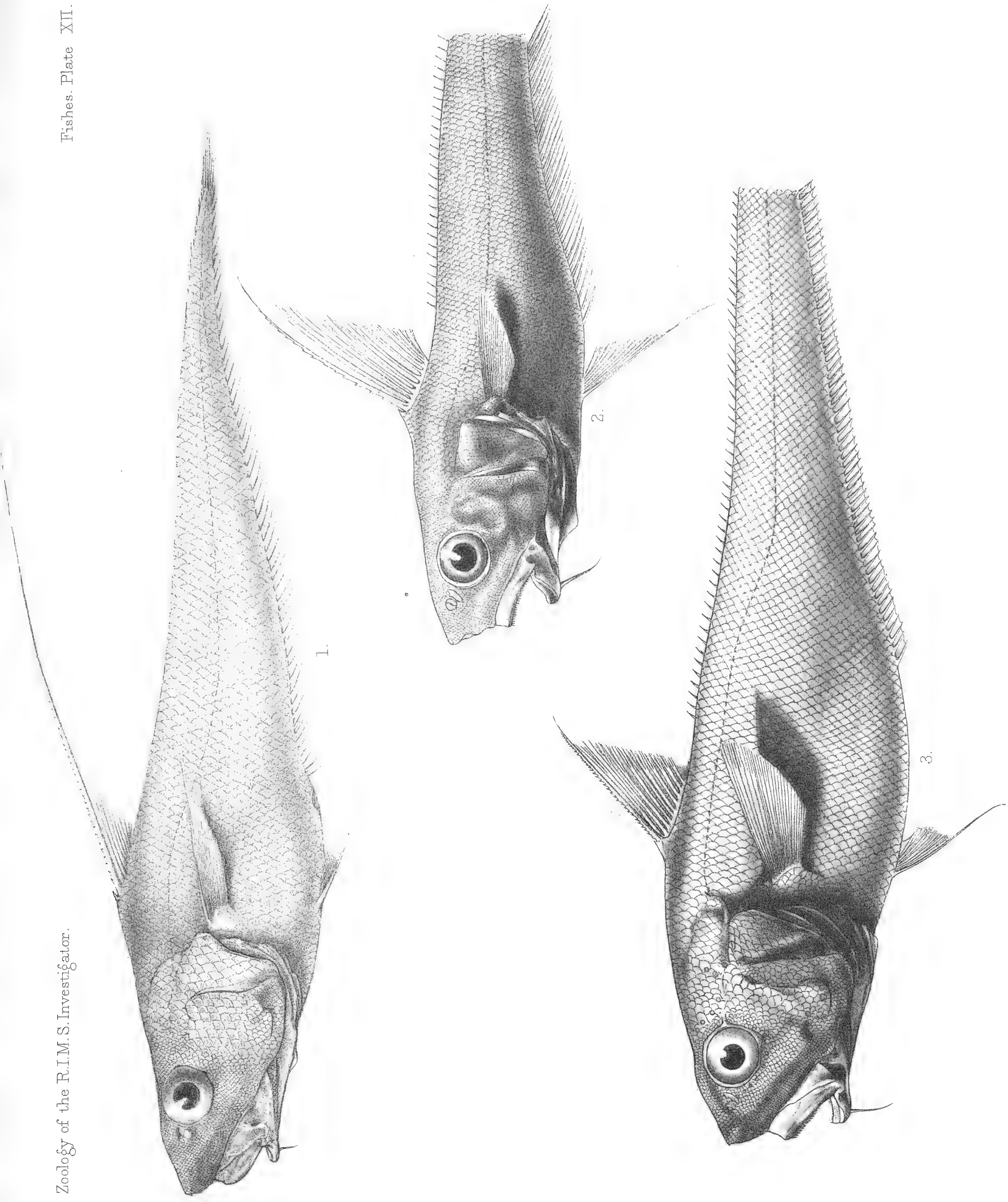
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Fig. 2.—*Macrurus semiquincunciatus*, Annals and Magazine of Natural History, November, 1889, p. 392; August, 1891, p. 121; and November, 1892, p. 351.

Fig. 3.—*Macrurus hextii*, Annals and Magazine of Natural History, October, 1890, p. 299; and November, 1892, pp. 351 and 353.



1. *Macrurus macrolophus*.

2. *Macrurus semiquincunciatus*.

3. *Macrurus hextii*. $\times \frac{1}{2}$.

EXPLANATION OF PLATES.

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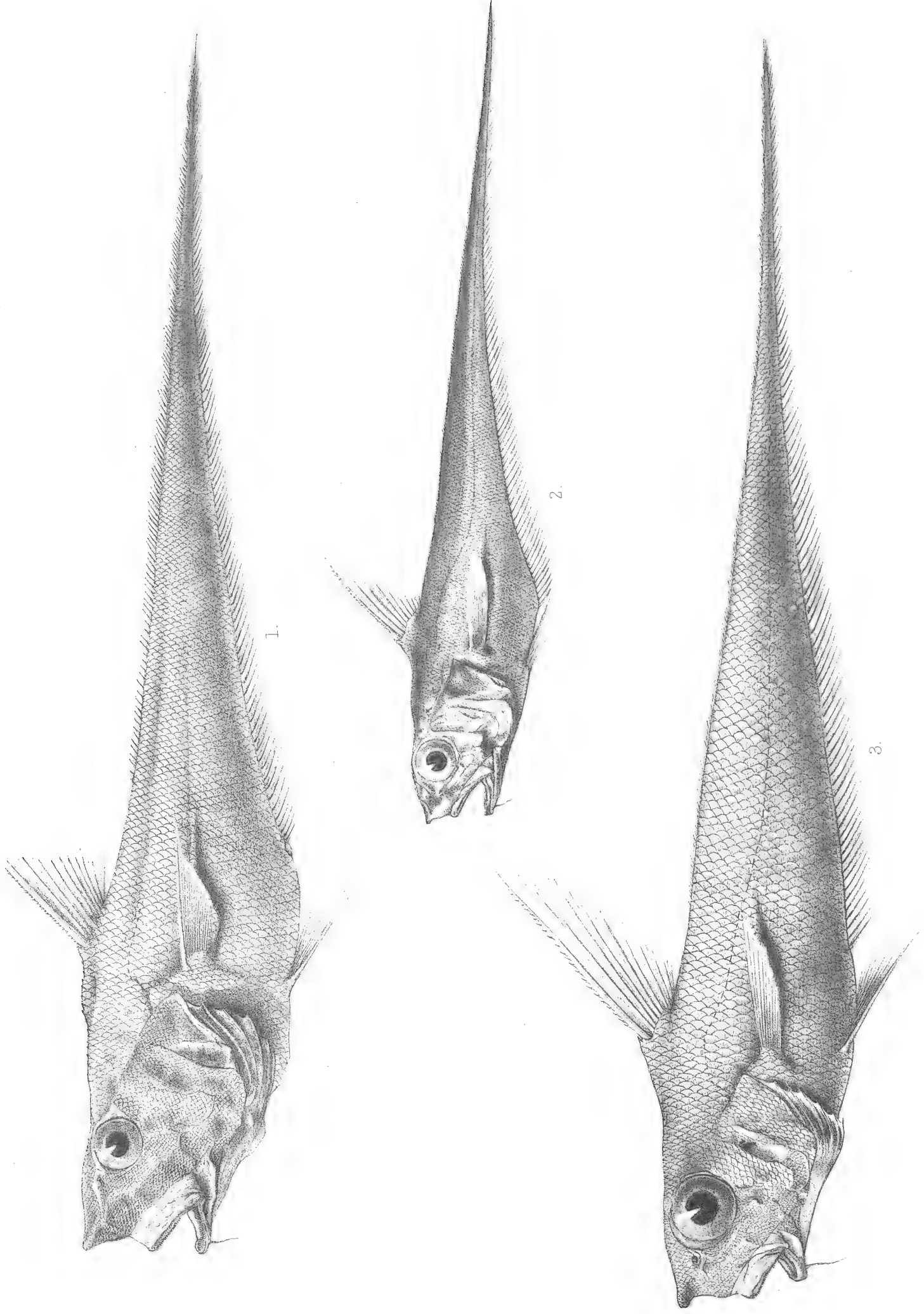
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Fig. 1.—*Macrurus wood-masoni*, Annals and Magazine of Natural History, October, 1890, p. 301; August, 1891, p. 121; and November, 1892, p. 353.

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1. *Macrurus wood-masoni*, x $\frac{1}{2}$. 2. *Macrurus hispidus*. 3. *Macrurus brevirostris*.

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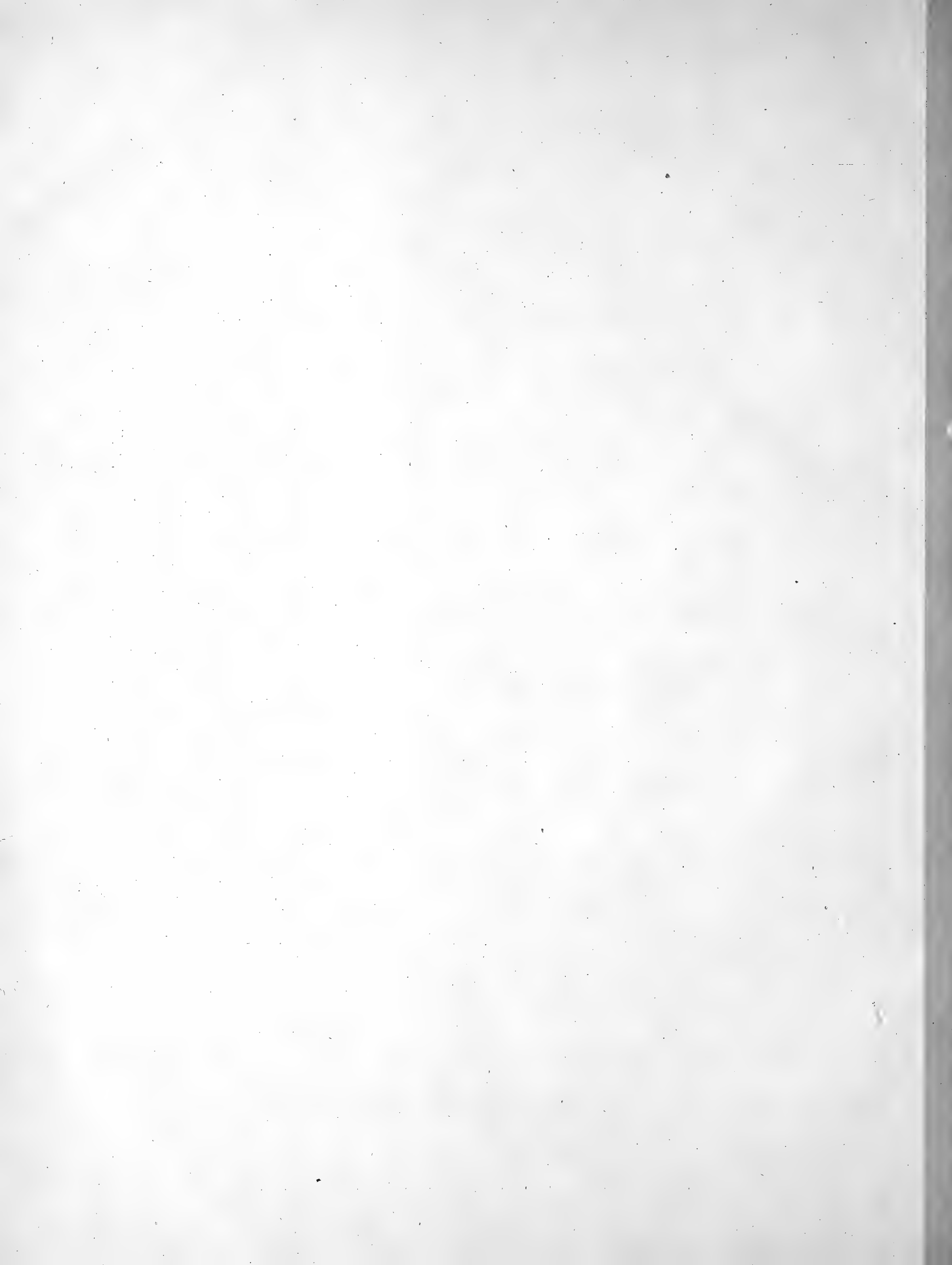
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Part III, Plates XIV—XVI.



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PLATE XIV.

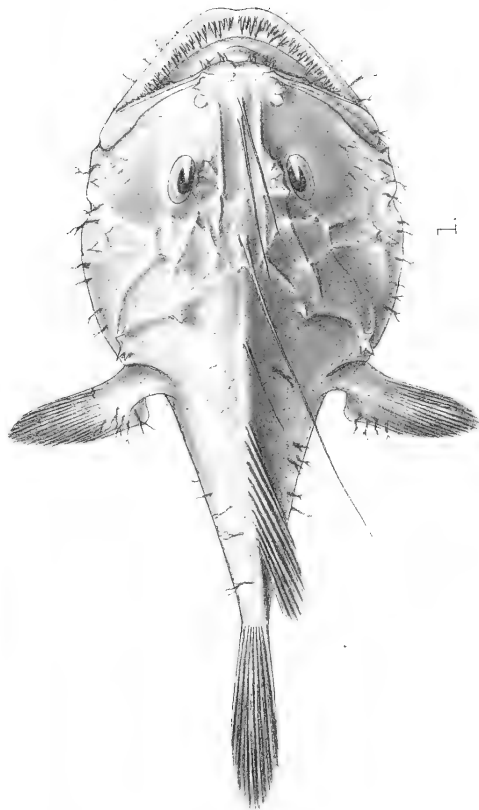
Fig. 1.—*Lophius lugubris*, Alcock. Journal, Asiatic Society of Bengal, Vol. LXIII, pt. 2, No. 2, 1894, p. 118.

Fig. 2.—*Halientea fumosa*, Alcock. Journal, Asiatic Society of Bengal, Vol. LXIII, pt. 2, No. 2, 1894, p. 119.

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Fig. 4.—*Aphoristia gilesii*, Alcock. Journal, Asiatic Society of Bengal, Vol. LVIII, pt. 2, No. 3, 1889, p. 293, 294.

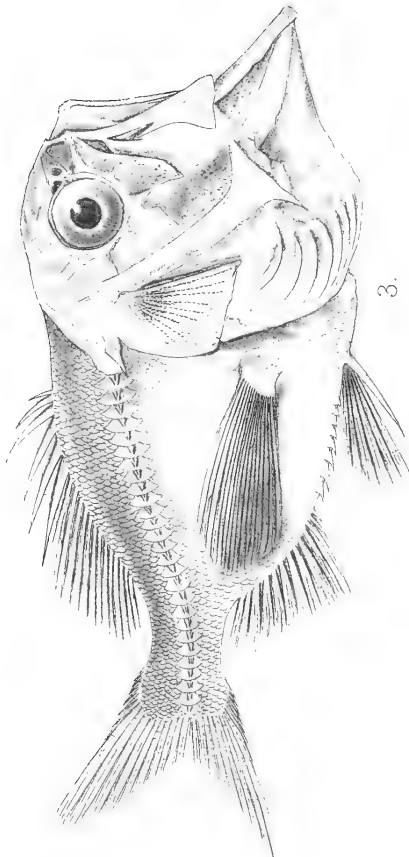
Fig. 5.—*Nemichthys acanthonotus*, Alcock. Journal, Asiatic Society of Bengal, Vol. LXIII, pt. 2, No. 2, 1894, p. 136.



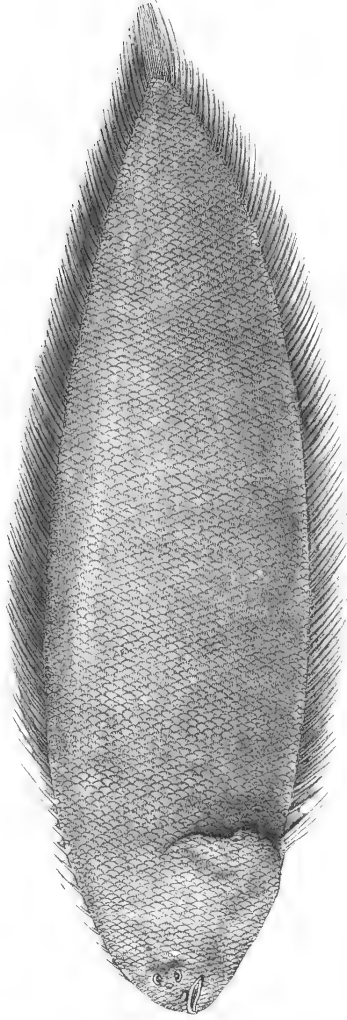
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1. *Lophius lugubris*. 2. *Habuthea fumosa*. 3. *Hoplostethus mediterraneum*, C. V. 4. *Aphoristia gilesii*. 5. *Nemichthys acanthonotus*.

EXPLANATION OF PLATES.

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[BY A. ALCOCK.]

PLATE XV.

Fig. 1.—*Poecilopsetta maculosa*, Alcock. Journal, Asiatic Society of Bengal, Vol. LXIII, pt. 2, No. 2, 1894, p. 130.

Fig. 2.—*Poecilopsetta praelonga*, Alcock. Journal, Asiatic Society of Bengal, Vol. LXIII, pt. 2, No. 2, 1894, pp. 130, 131.

Fig. 3.—*Chascanopsetta lugubris*, Alcock. Journal, Asiatic Society of Bengal, Vol. LXIII, pt. 2, No. 2, 1894, pp. 129, 130.

Fig. 4.—*Solea umbratilis*, Alcock. Journal, Asiatic Society of Bengal, Vol. LXIII, pt. 2, No. 2, 1894, pp. 131, 132.

Fig. 5.—*Aphoristia trifasciata*, Alcock. Journal, Asiatic Society of Bengal, Vol. LXIII, pt. 2, No. 2, 1894, p. 132.

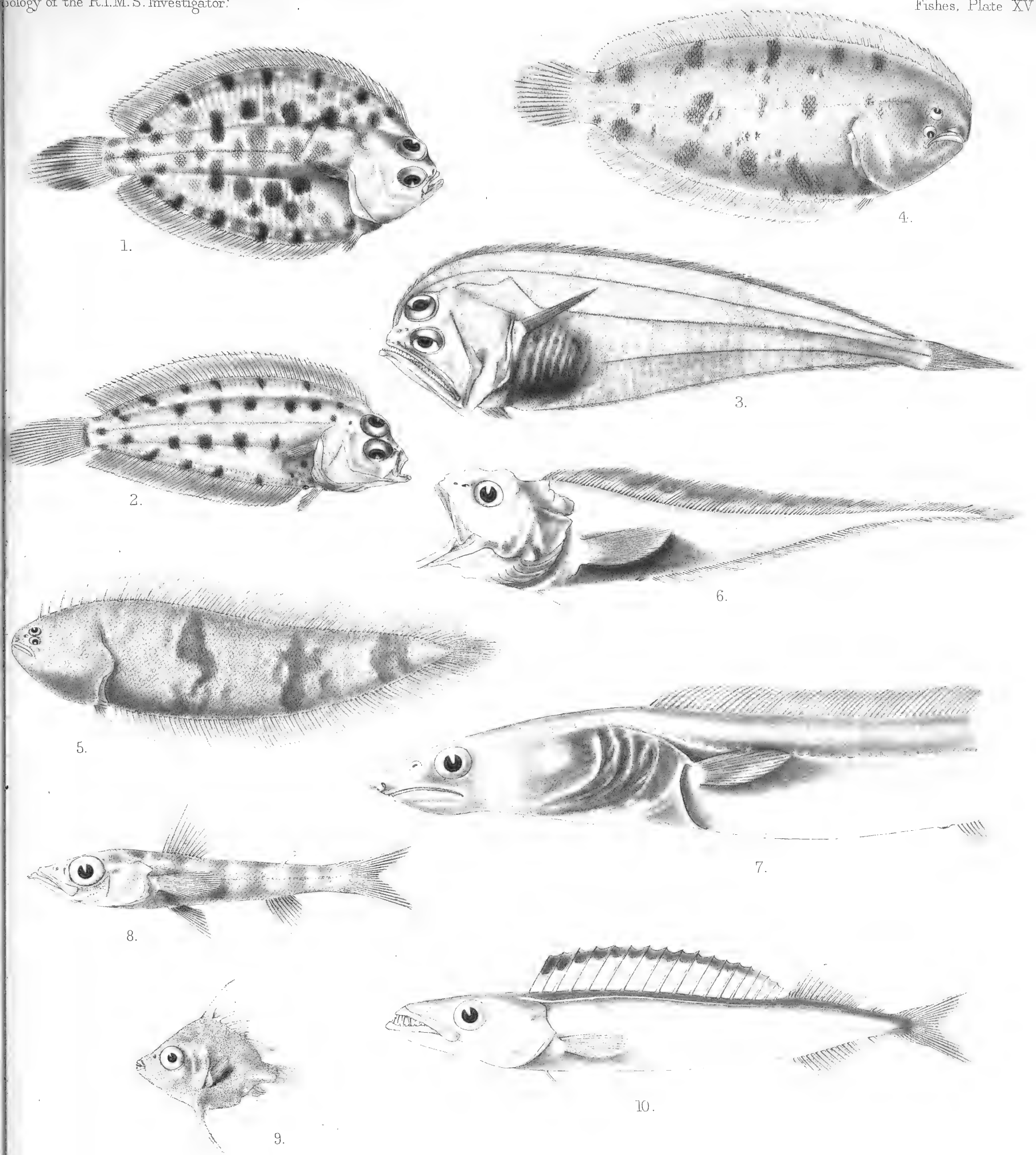
Fig. 6.—*Glyptophtidium macropus*, Alcock. Journal, Asiatic Society of Bengal, Vol. LXIII, pt. 2, No. 2, 1894, pp. 122, 123.

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1. *Poecilopsetta maculosa*. 2. *Poecilopsetta praelonga*. 3. *Chascanopsetta lugubris*. 4. *Solea umbratilis*. 5. *Aphoristia trifasciata*. 6. *Glyptophidium macropus*.
 7. *Congromuræna musteliceps*. 8. *Chlorophthalmus corniger*. 9. *Triacanthodes æthiops*. 10. *Thyrsites bengalensis*.

EXPLANATION OF PLATES.

FISHES.

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PLATE XVI.

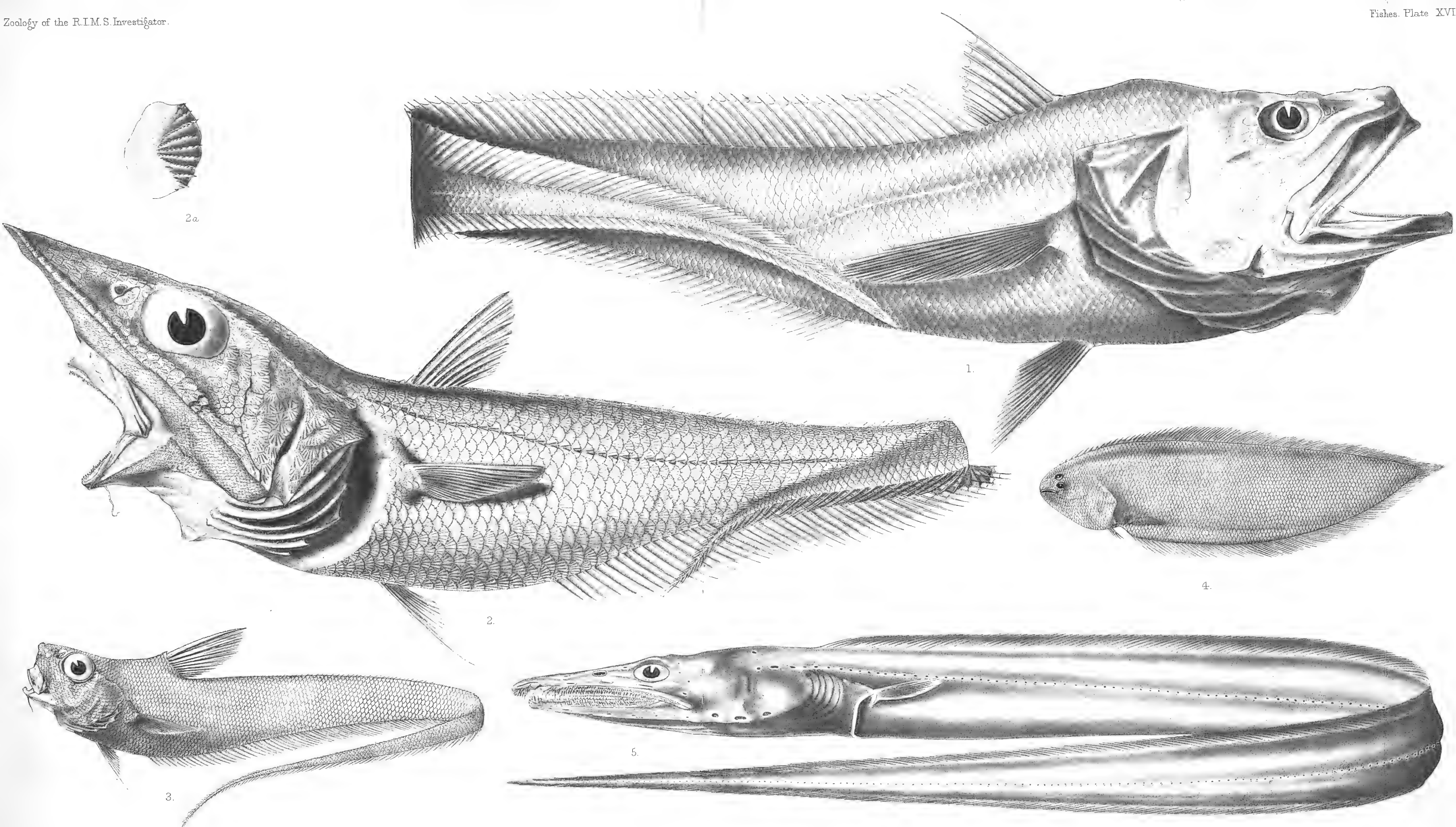
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Figs. 2, 2a.—*Macrurus flabellispinis*, Alcock. Journal, Asiatic Society of Bengal, Vol. LXIII, pt. 2, No. 2, 1894, pp. 123, 124.

Fig. 3.—*Macrurus pumiliceps*, Alcock. Journal, Asiatic Society of Bengal, Vol. LXIII, pt. 2, No. 2, 1894, p. 125.

Fig. 4.—*Aphoristia wood-masoni*, Alcock. Journal, Asiatic Society of Bengal, Vol. LVIII, pt. 2, No. 3, 1889, p. 294.

Fig. 5.—*Xenomystax trucidans*, Alcock. Journal, Asiatic Society of Bengal, Vol. LXIII, pt. 2, No. 2, 1894, pp. 134, 135.



1. *Bathygadus furvescens*. 2. *Macrurus flabellispinis*. 3. *Macrurus pumiliceps*. 4. *Aphoristia wood-masoni* 5. *Xenomystax trucidans*.





EXPLANATION OF PLATES.

FISHES.

PLATE XVII.

Fig. 1.—*Diplacanthopoma rivers-andersoni*, Alcock, Annals and Magazine of Natural History, (6), XVI. 1895, pp. 144—146. ♀.

Fig. 2.—*Diplacanthopoma brachysoma*, Günther, Challenger Deep Sea Fishes, p. 115, pl. xxiii, fig. C. Alcock, Annals and Magazine of Natural History, (6), IV. 1889, p. 385. ♀.

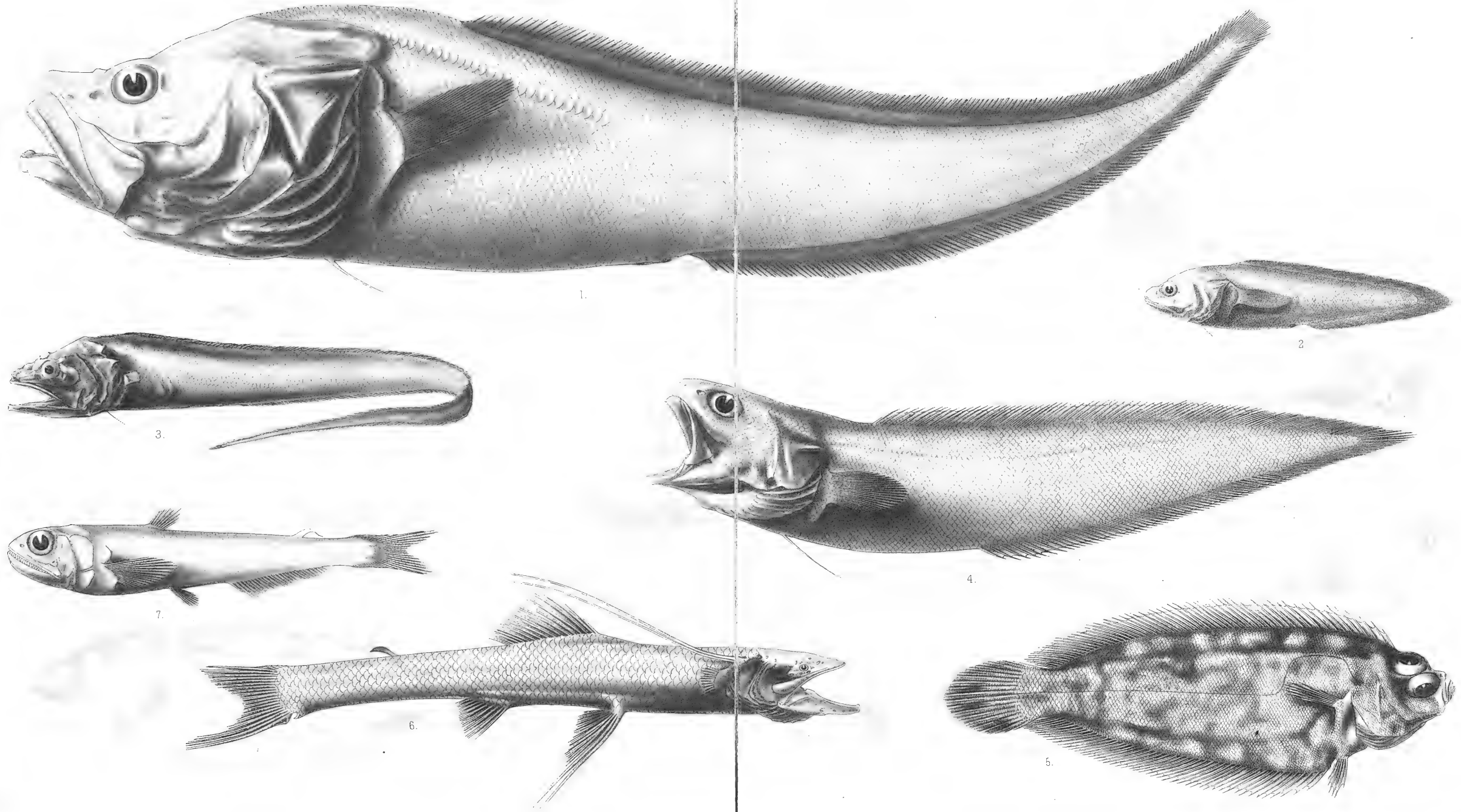
Fig. 3.—*Dermatorus melampeplus*, Alcock, Journal, Asiatic Society of Bengal, Vol. LXV. pt. 2, 1896, p. 305.

Fig. 4.—*Neobythites (Monomitopus) conjugator*, Alcock, Journal, Asiatic Society of Bengal, Vol. LXV. pt. 2, 1896, p. 304.

Fig. 5.—*Boopsetta umbrarum*, Alcock, Journal, Asiatic Society of Bengal, Vol. LXV. pt. 2, 1896, p. 305.

Fig. 6.—*Bathypterois atricolor*, Alcock, Journal, Asiatic Society of Bengal, Vol. LXV. pt. 2, 1896, p. 306.

Fig. 7.—*Scopelarchus guentheri*, Alcock, Journal, Asiatic Society of Bengal, Vol. LXV. pt. 2, 1896, p. 307. ♀.



1. *Diplacanthopoma rivers-andersoni*, Alc. ♀. 2. *Diplacanthopoma brachysoma*, Gthr. 3. *Dermatorus melampeplus*, Alc. 4. *Neobythites (Monomitopus) conjugator*, Alc.
 5. *Boopsetta umbrarum*, Alc. 6. *Bathypterois atricolor*, Alc. 7. *Scopelarchus guentheri*, Alc.

EXPLANATION OF PLATE.

FISHES.

PLATE XVIII.

Fig. 1.—*Bathyseriola cyanea*, Alcock, Annals and Magazine of Natural History, (6), VI, 1890, p. 202, and (6), VIII, 1891, p. 23.

Fig. 2.—*Brephostoma carpenteri*, Alcock, Annals and Magazine of Natural History, (6), IV, 1889, p. 383, and (6), VI, 1890, p. 201.

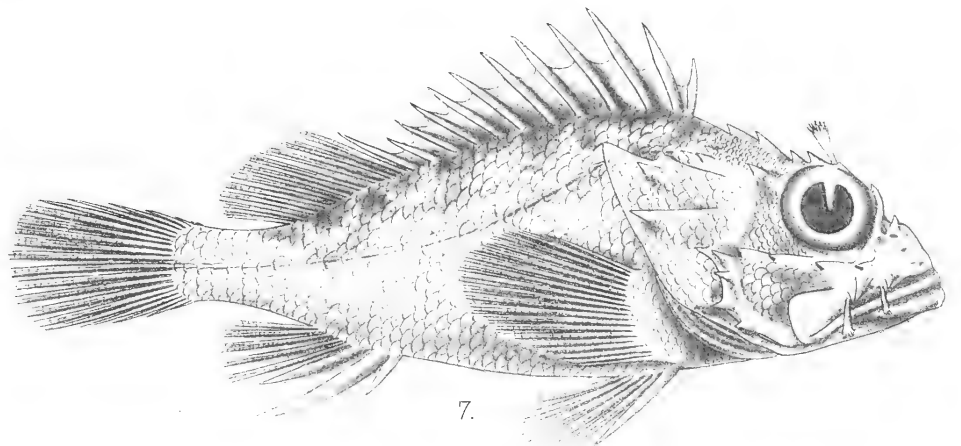
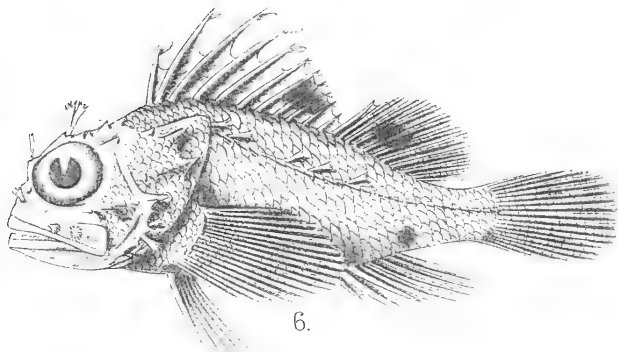
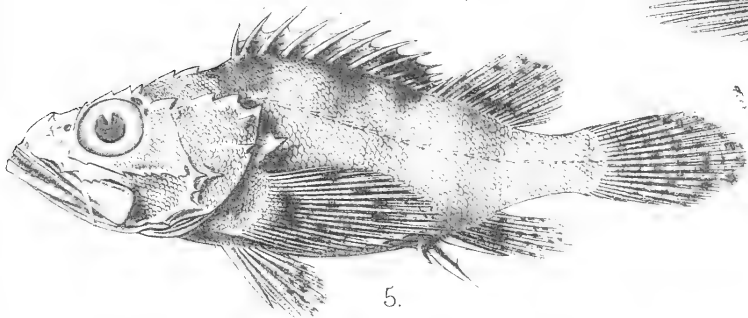
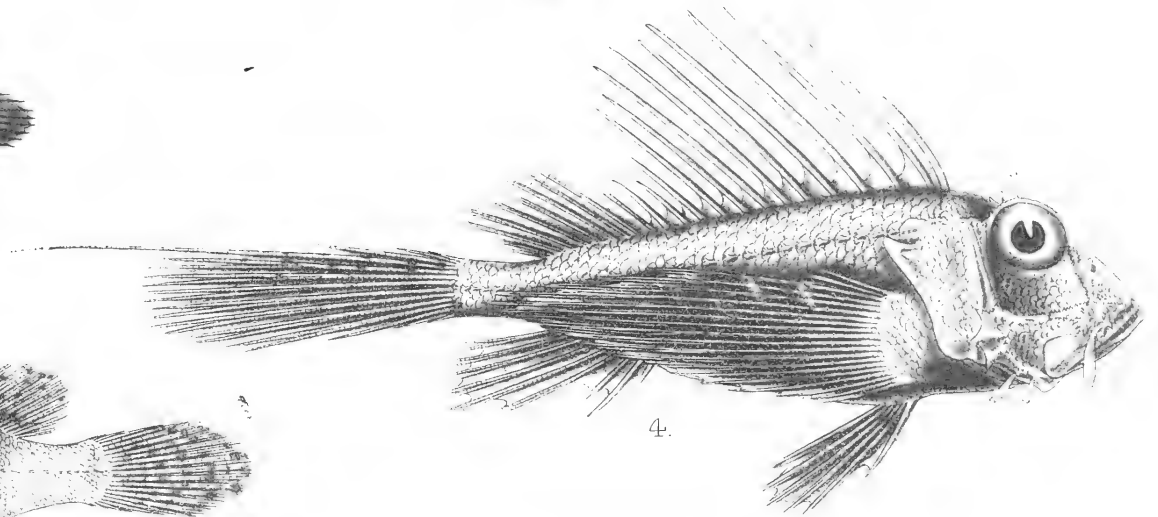
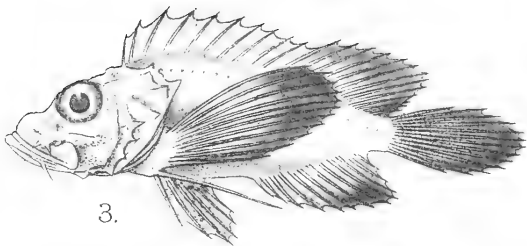
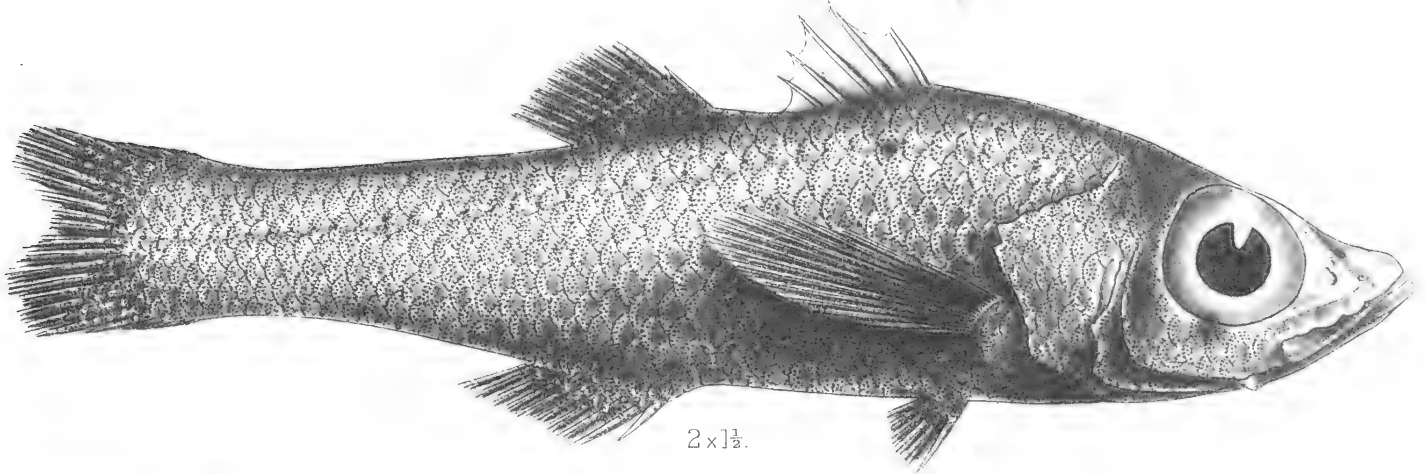
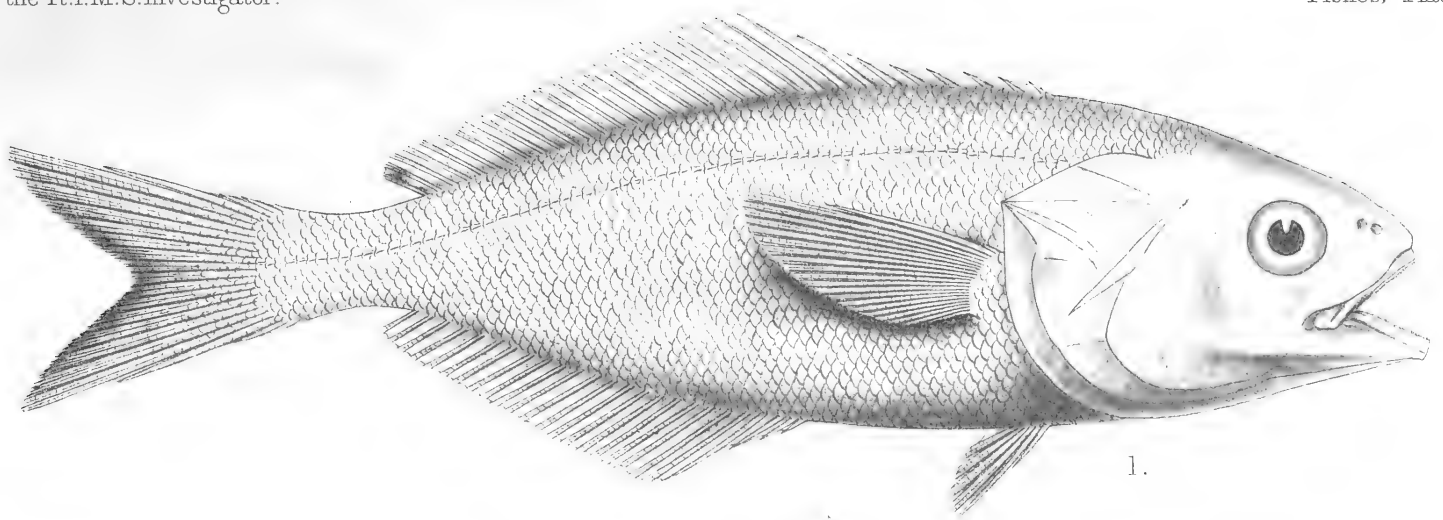
Fig. 3.—*Minous inermis*, Alcock, Journal, Asiatic Society of Bengal, Vol. LVIII, pt. 2, 1889, p. 299. Annals and Magazine of Natural History, (6), X, 1892, p. 207. Journal, Asiatic Society of Bengal, Vol. LXIII, pt. 2, 1894, p. 116.

Fig. 4.—*Pterois macrura*, Alcock, Journal, Asiatic Society of Bengal, Vol. LXV, pt. 2, 1896, p. 303.

Fig. 5.—*Sebastes muciparus*, Alcock, Journal, Asiatic Society of Bengal, Vol. LVIII, pt. 2, 1889, p. 298.

Fig. 6.—*Scorpæna erostris*, Alcock, Journal, Asiatic Society of Bengal, Vol. LXV, pt. 2, 1896, p. 302.

Fig. 7.—*Scorpæna bucephalus*, Alcock, Journal, Asiatic Society of Bengal, Vol. LXV, pt. 2, 1896, p. 302.



1. *Bathyseriola cyanea* 2. *Brephostoma carpenteri*. 3. *Minous inermis* 4. *Pterois macrura*.
5. *Sebastes muciparus*. 6. *Scorpaena erostris*. 7. *Scorpaena bucephalus*.

EXPLANATION OF PLATE.

FISHES.

PLATE XIX.

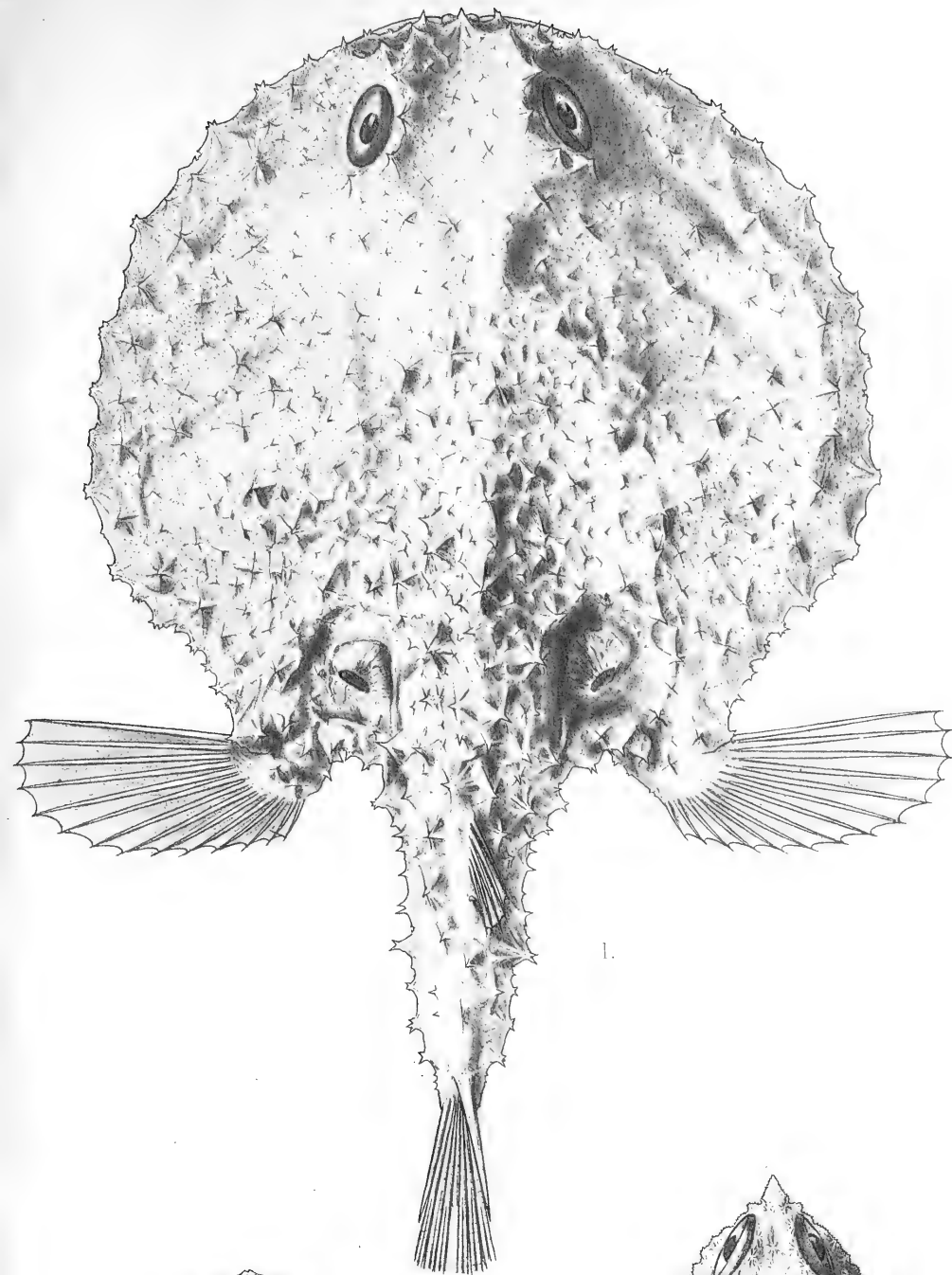
Fig. 1.—*Halientæa coccinea*, Alcock, Annals and Magazine of Natural History, (6), IV, 1889, p. 382. Journal, Asiatic Society of Bengal, Vol. LXIII, pt. 2, 1894, p. 120.

Fig. 2.—*Halientæa nigra*, Alcock, Annals and Magazine of Natural History, (6), VIII, 1891, p. 24. Journal, Asiatic Society of Bengal, Vol. LXIII, pt. 2, 1894, p. 120.

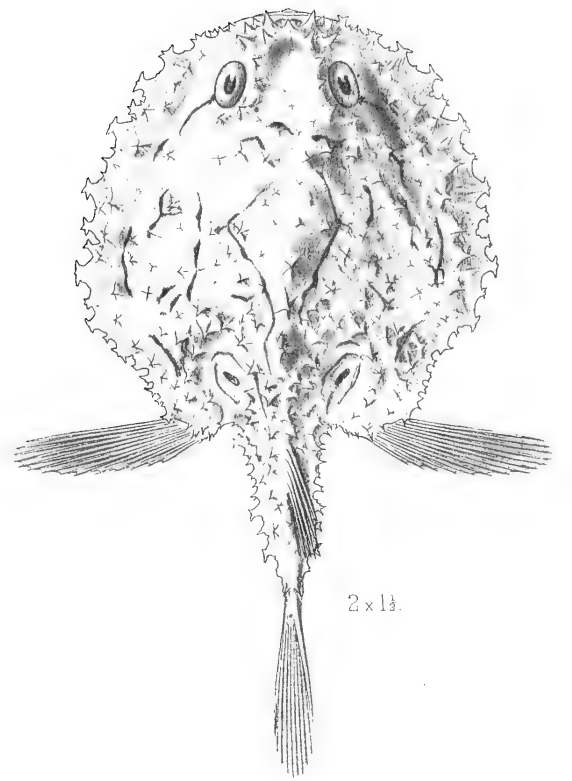
Fig. 3.—*Lophius indicus*, Alcock, Journal, Asiatic Society of Bengal, Vol. LVIII, pt. 2, 1889, p. 302.

Fig. 4.—*Malthopsis lutea*, Alcock, Annals and Magazine of Natural History, (6), VIII, 1891, p. 26.

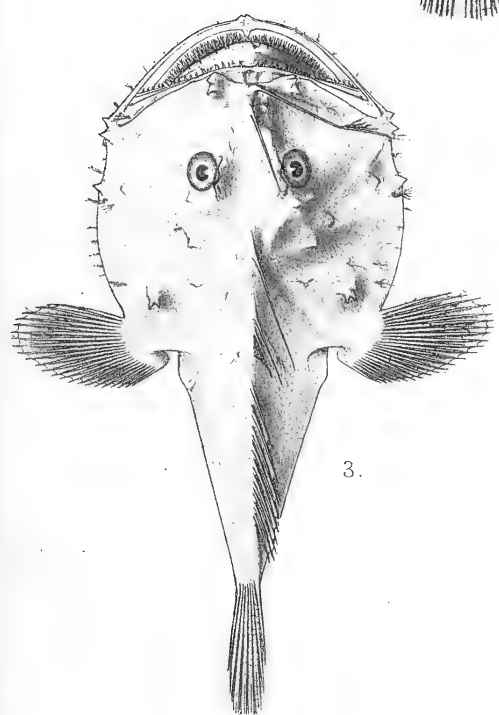
Fig. 5.—*Halicmetus ruber*, Alcock, Annals and Magazine of Natural History (6), VIII, 1891, p. 27.



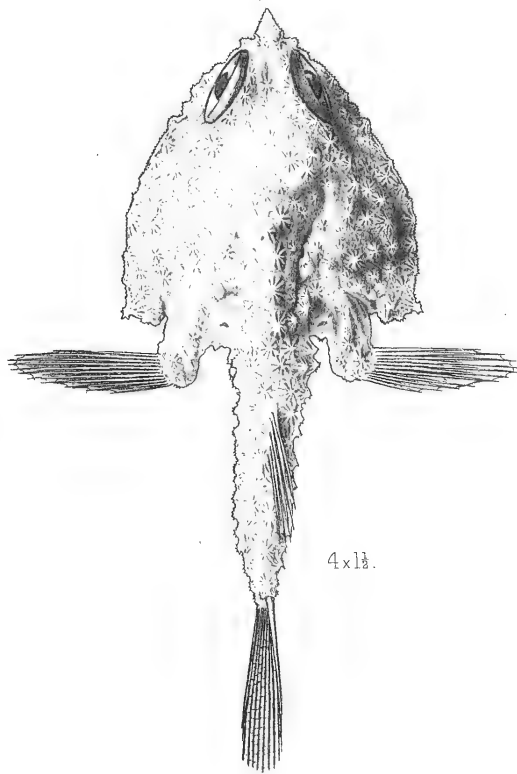
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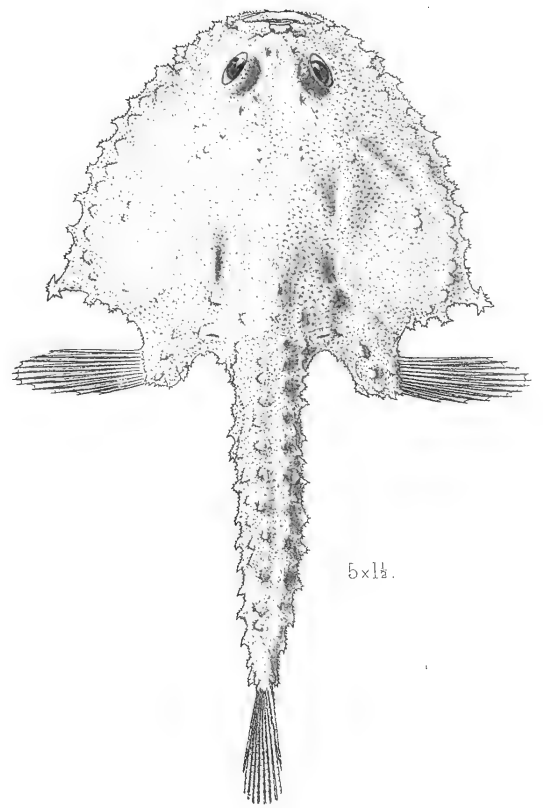
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1. *Haliutaea coccinea*. 2. *Haliutaea nigra*. 3. *Lophius indicus* 4. *Malthopsis lutea*. 5. *Halicmetus ruber*.

EXPLANATION OF PLATE.

FISHES.

PLATE XX.

Fig. 1.—*Dibranchus micropus*, Alcock, Annals and Magazine of Natural History, (6) VIII, 1891, p. 25; and (6) X, 1892, p. 348.

Fig. 2.—*Dibranchus nasutus*, Alcock, Annals and Magazine of Natural History, (6) VIII, 1891, p. 24.

Fig. 3.—*Gobius cometes*, Alcock, Annals and Magazine of Natural History, (6) VI, 1890, p. 208.

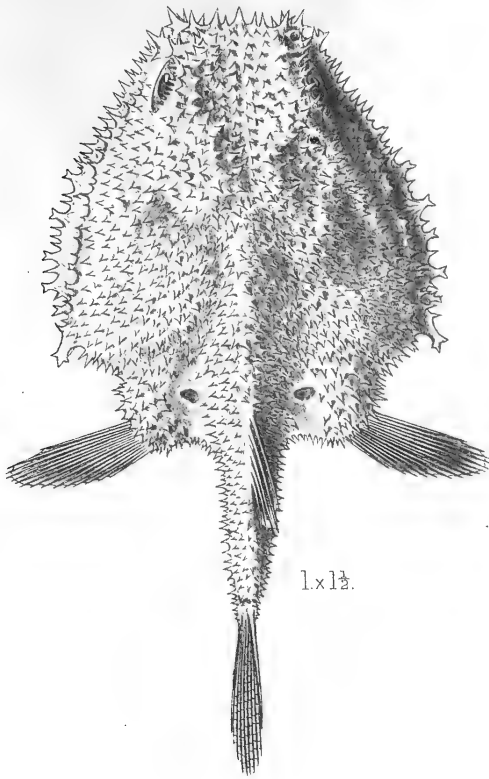
Fig. 4.—*Callionymus carebares*, Alcock, Annals and Magazine of Natural History, (6) VI, 1890, p. 209.

Fig. 5.—*Tæniolabrus cyclograptus*, Alcock, Annals and Magazine of Natural History, (6) VI, 1890, p. 430.

*Fig. 6.**—*Bembrops gobioides* (Goode), Proc. U. S. Nat. Mus., III, 1880, p. 347; Goode and Bean, Oceanic Ichthyology, p. 290. *Vide* Alcock, Annals and Magazine of Natural History, (7) II, pp. 141, 142.

Fig. 7.—*Amblyopus arctocephalus*, Alcock, Annals and Magazine of Natural History, (6) VI, 1890, p. 432.

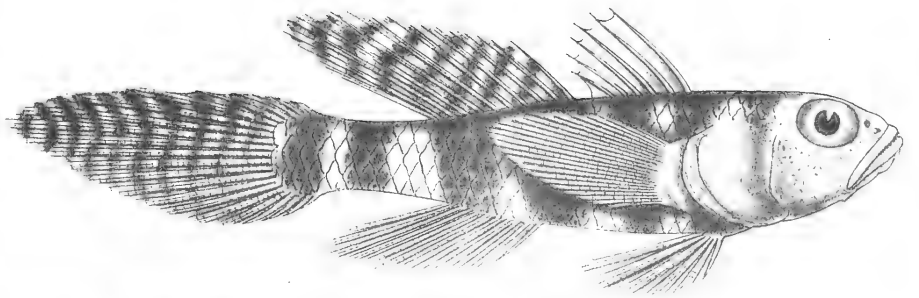
* *Hypsicometes gobioides* Goode, = *Bembrops platyrhynchus* Alcock,



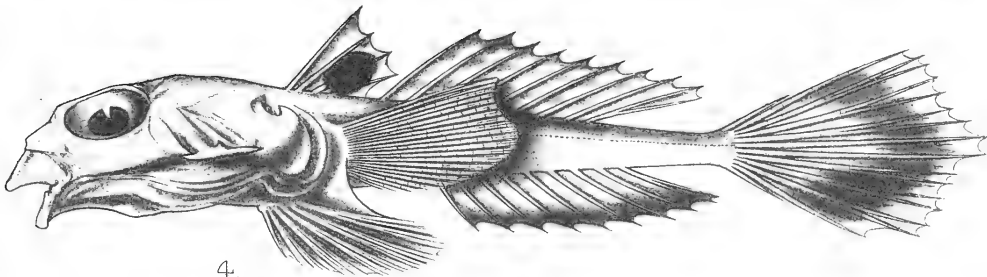
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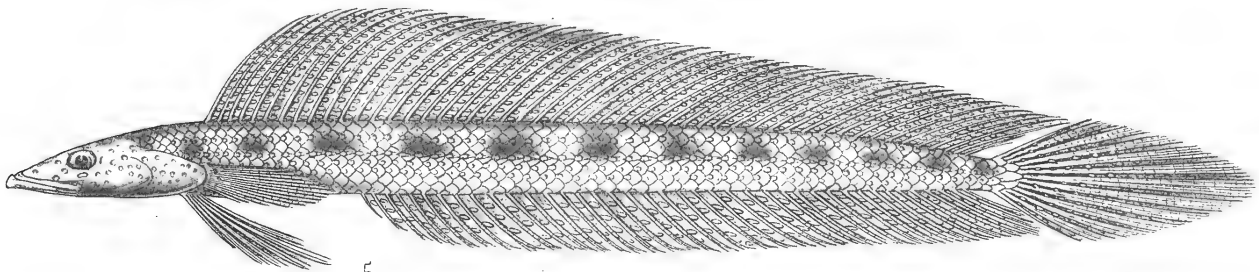
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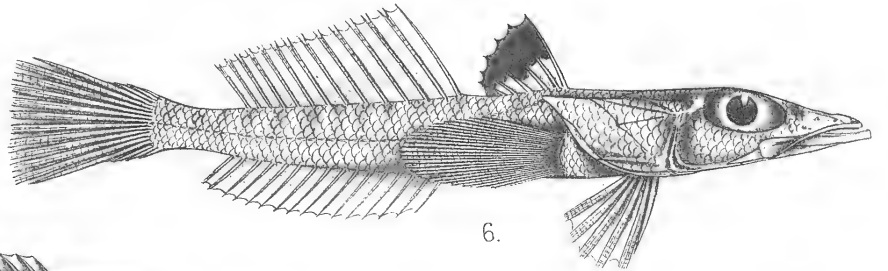
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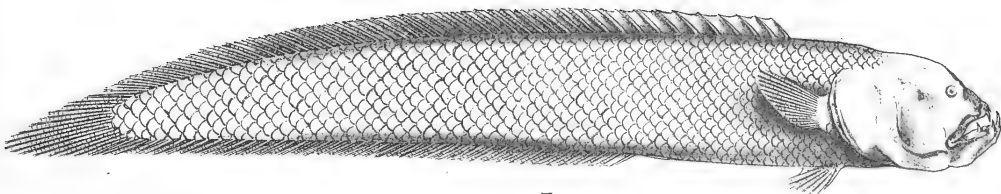
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1. *Dibranchius micropus*. 2. *Dibranchius nasutus*. 3. *Gobius cometes*. 4. *Callionymus carebares*.
 5. *Taeniolabrus cyclograptus*. 6. *Bembrops platyrhynchus*. 7. *Amblyopus arctocephalus*.

EXPLANATION OF PLATE.

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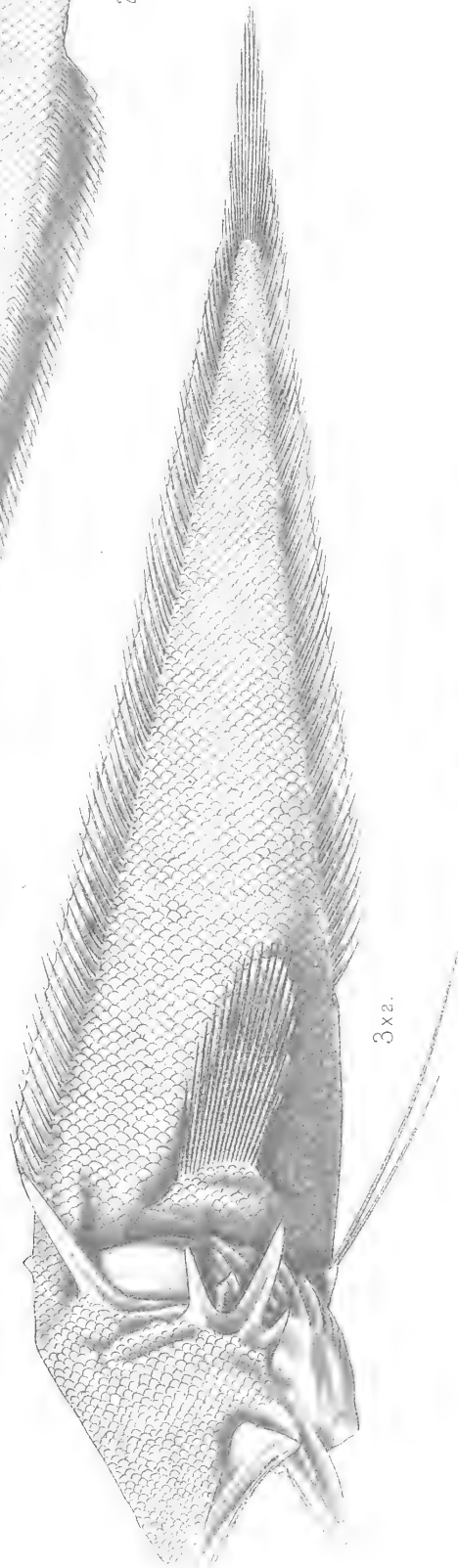
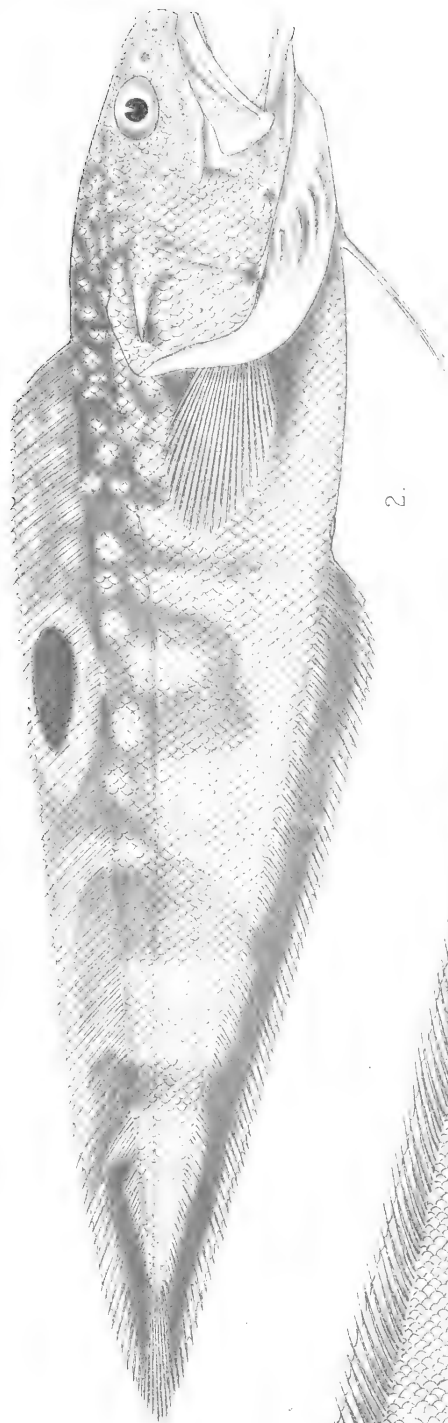
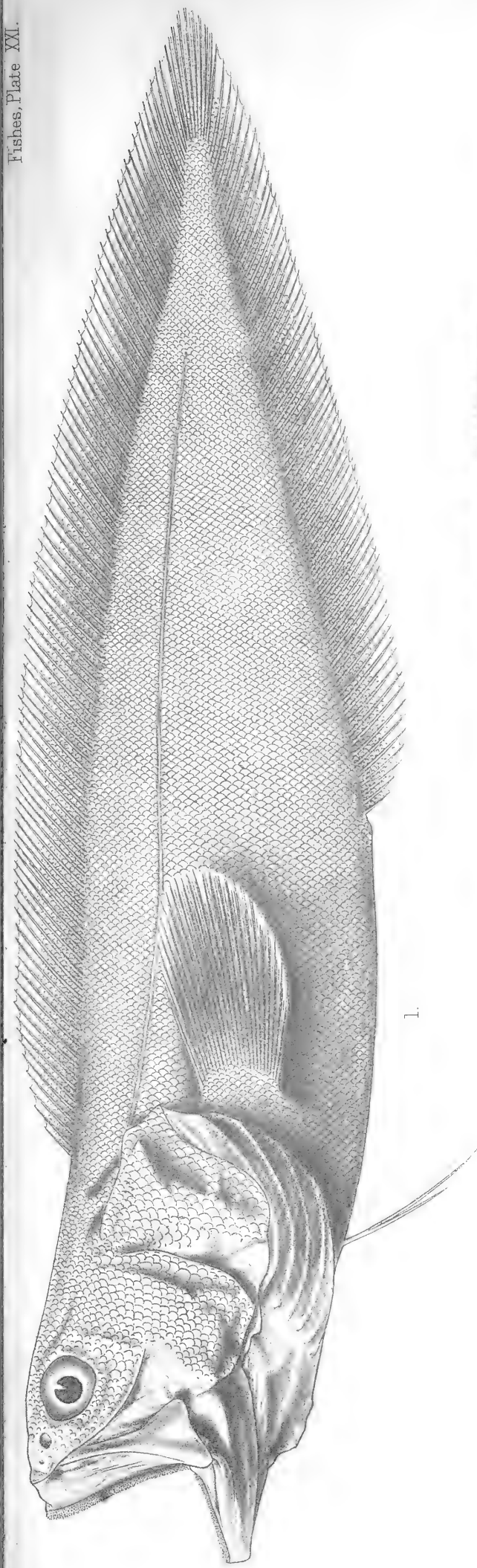
PLATE XXI.

Fig. 1.—*Neobythites squamipinnis*, Alcock, Annals and Magazine of Natural History, (6) IV, 1889, p. 386; Journal, Asiatic Society of Bengal, Vol. LXIII, pt. 2, 1894, p. 123.

Fig. 2.—*Neobythites steatiticus*, Alcock, Journal, Asiatic Society of Bengal, Vol. LXII, pt. 2, 1893, p. 181.

Fig. 3.—*Tauredophidium hextii*, Alcock, Annals and Magazine of Natural History, (6) VI, 1890, p. 213.

Fig. 4.—*Dermatorus melanocephalus*, Alcock, Annals and Magazine of Natural History, (6) VIII, 1891, p. 32.



1. *Neobythites squamipinnis*. 2. *Neobythites steaticus*. 3. *Tauredophidium hextii*. 4. *Dermatorus melanocephalus*.

EXPLANATION OF PLATE.

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PLATE XXII.

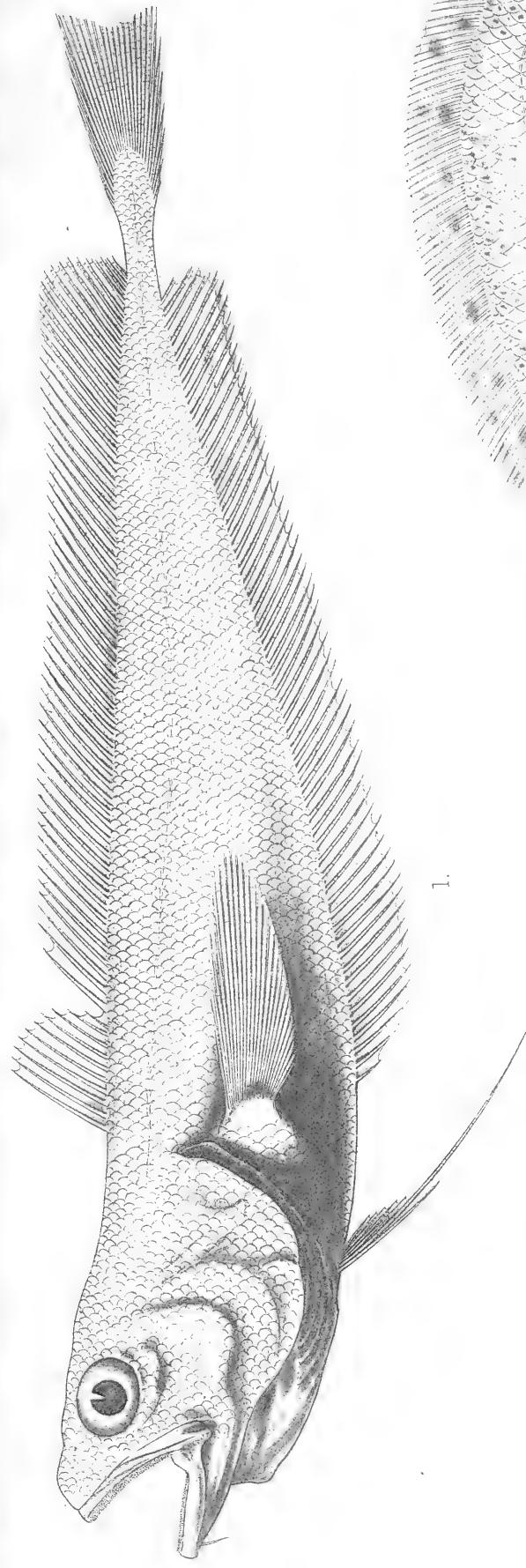
Fig. 1.—*Physiculus argyropastus*, Alcock, Journal, Asiatic Society of Bengal, Vol. LXII, pt. 2, 1893, p. 180, and Vol. LXIII, pt. 2, 1894, p. 121.

Fig. 2.—*Brachypleura xanthosticta*, Alcock, Journal, Asiatic Society of Bengal, Vol. LVIII, pt. 2, 1889, p. 281.

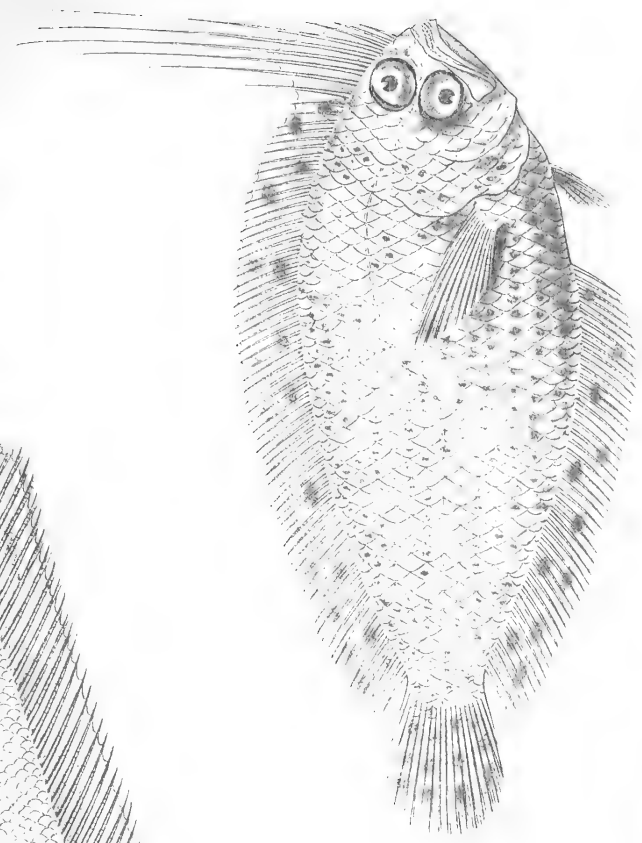
Fig. 3.—*Hephthocara simum*, Alcock, Annals and Magazine of Natural History, (6) X, 1892, p. 349.

Fig. 4.—*Arnoglossus brevirectis*, Alcock, Annals and Magazine of Natural History, (6) VI, 1890, p. 433.

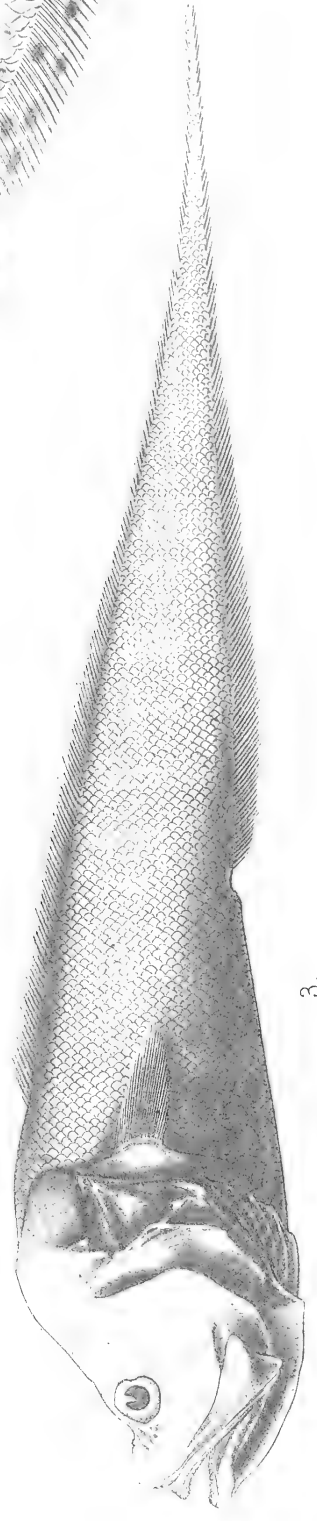
Fig. 5.—*Cynoglossus carpenteri*, Alcock, Journal, Asiatic Society of Bengal, Vol. LVIII, pt. 2, 1889, p. 287: Annals and Magazine of Natural History, (6) VI, 1890, p. 217.



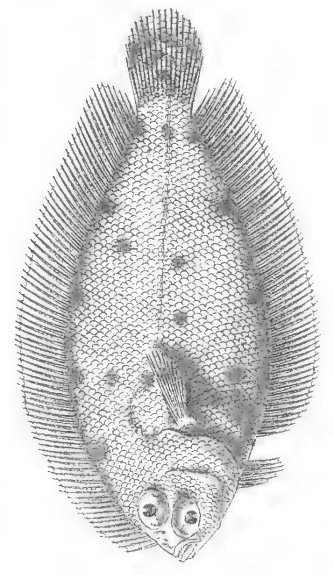
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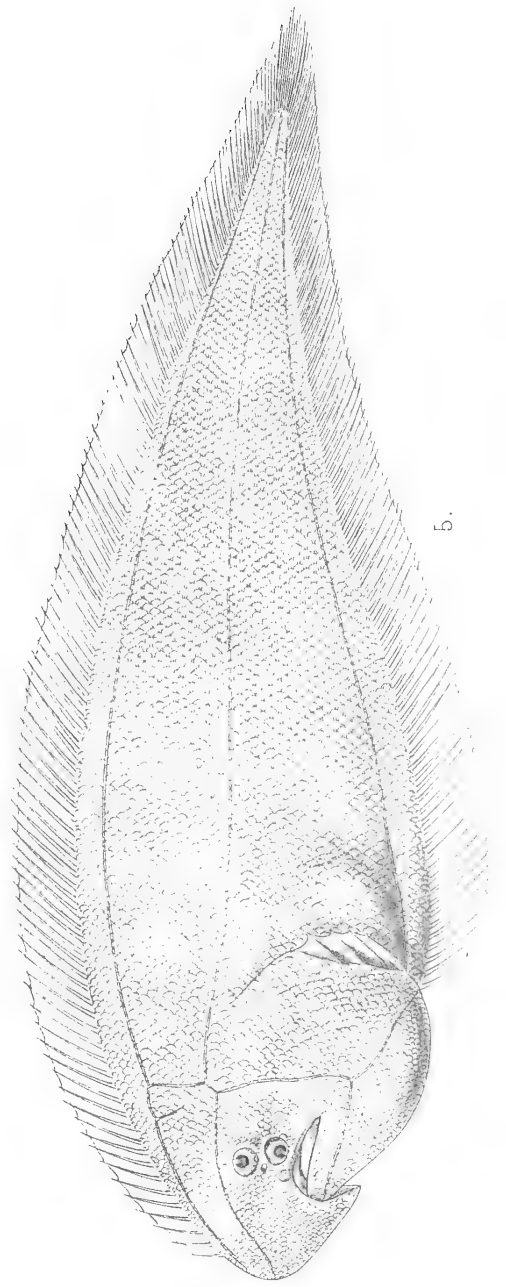
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1. *Physiculus argyropastus*. 2. *Brachypleura xanthosticta*. 3. *Hephthocara simum*. 4. *Arnoglossus brevirostris*. 5. *Cynoglossus carpenteri*.

EXPLANATION OF PLATE.

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PLATE XXIII.

Fig. 1.—*Scianectes macrophthalmus*, Alcock, Annals and Magazine of Natural History, (6) VI, 1890, p. 216.

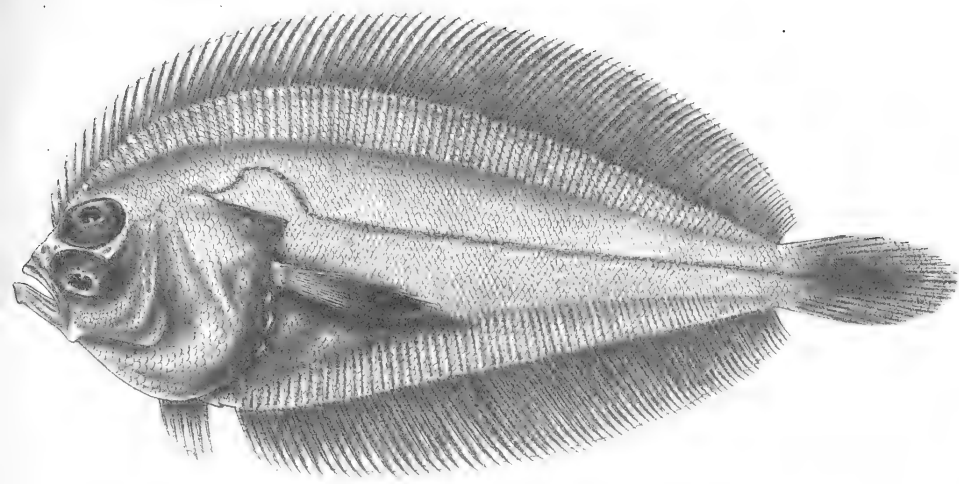
Fig. 2.—*Samaris cristatus*, Gray, Zoological Miscellany, p. 4 : Günther, Cat. Fishes, Brit. Mus., IV, 420, Alcock, Journal, Asiatic Society of Bengal, Vol. LVIII, pt. 2, 1889, p. 291.

Fig. 3.—*Arnoglossus macrolophus*, Alcock, Journal, Asiatic Society of Bengal, Vol. LVIII, pt. 2, 1889, p. 280 : Annals and Magazine of Natural History, (6) VI, 1890, p. 433.

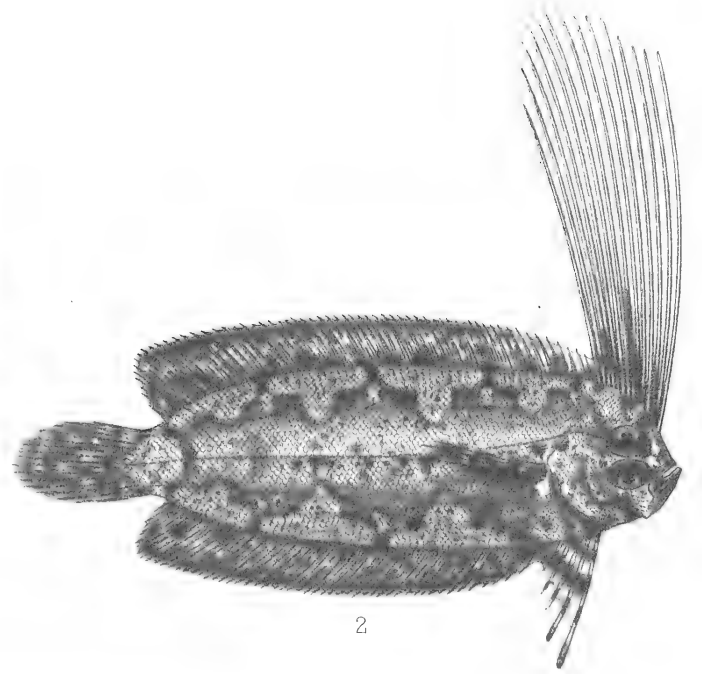
Fig. 4.—*Laops güntneri*, Alcock, Annals and Magazine of Natural History, (6) VI, 1890, p. 438.

Fig. 5.—*Cynoglossus versicolor*, Alcock, Annals and Magazine of Natural History, (6) VI, 1890, p. 442.

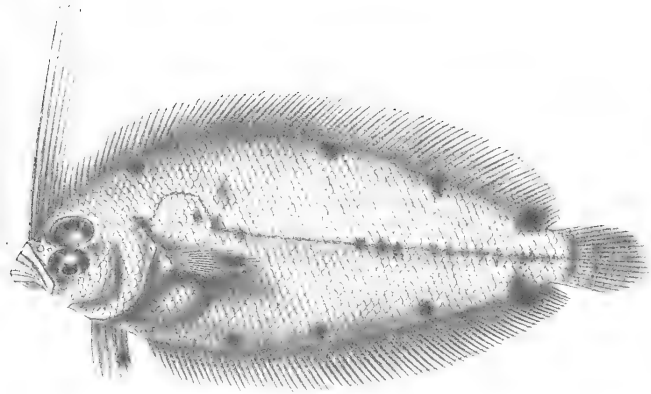
Fig. 6.—*Cynoglossus præcisus*, Alcock, Annals and Magazine of Natural History, (6) VI, 1890, p. 442.



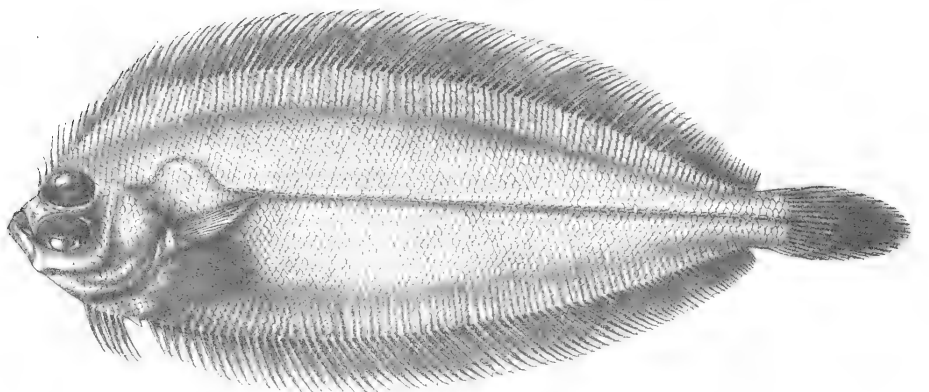
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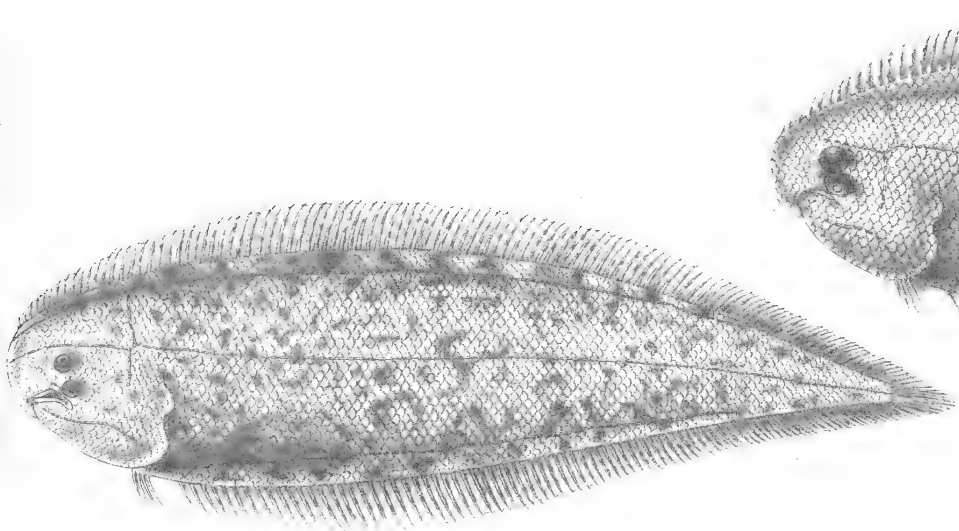
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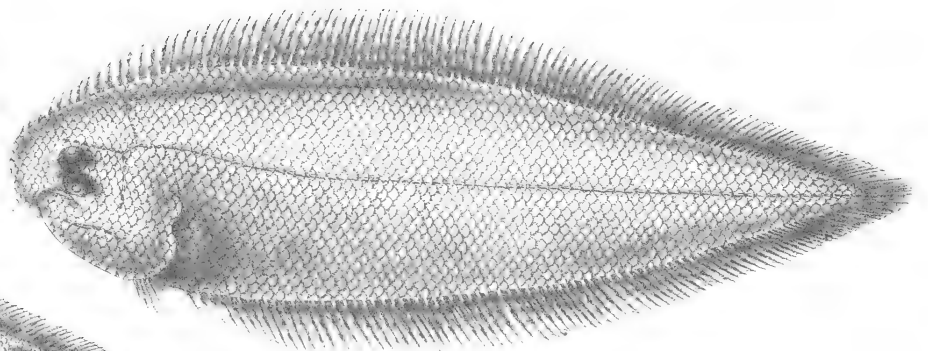
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1. *Scianectes macrophthalmus*. 2. *Samaris cristatus*. 3. *Arnoglossus macrolophus*.
 4. *Laeops guentheri*. 5. *Cynoglossus versicolor*. 6. *Cynoglossus praecisus*.



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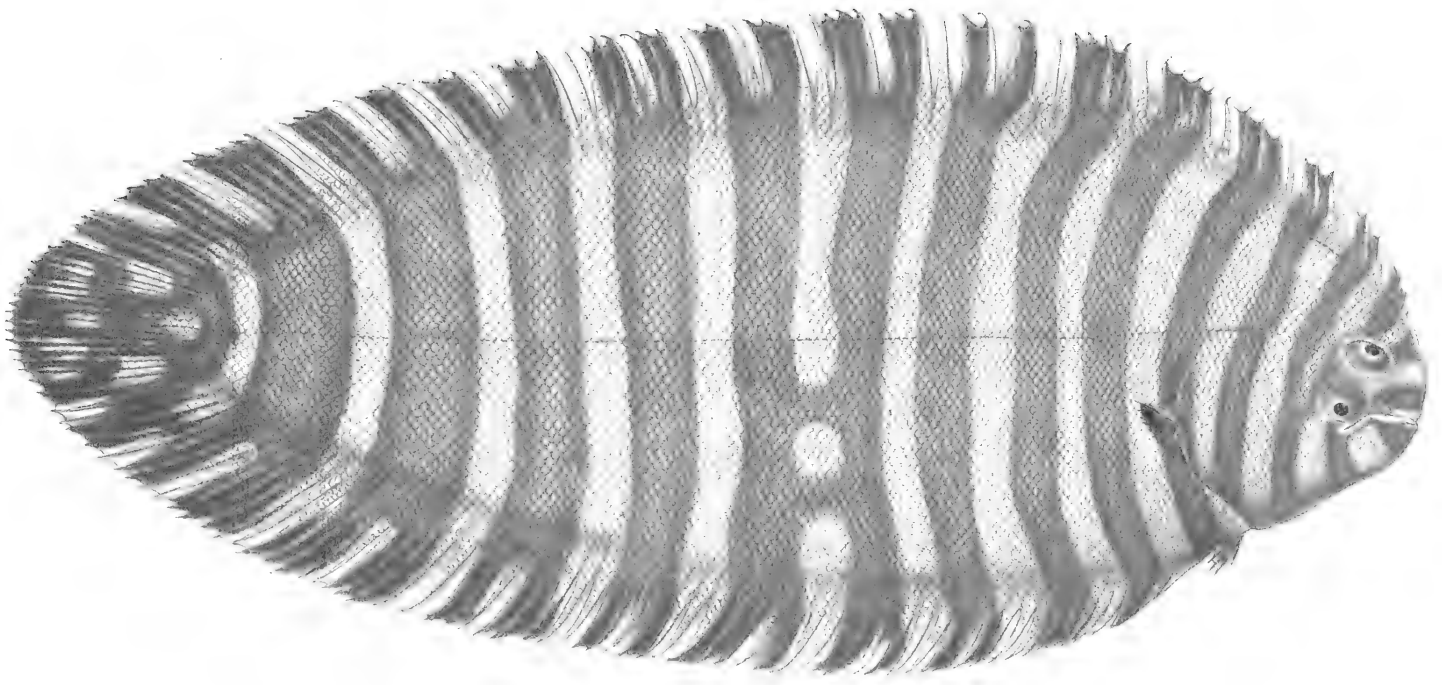
PLATE XXIV.

Fig. 1.—*Synaptura altipinnis*, Alcock, Annals and Magazine of Natural History, (6) VI, 1890, p. 441.

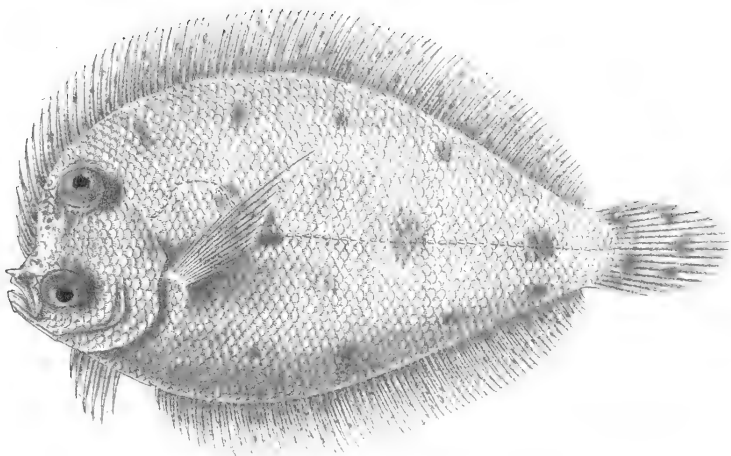
Fig. 2.—*Rhomboidichthys valderostratus*, Alcock, Annals and Magazine of Natural History, (6) VI, 1890, p. 435.

Fig. 3.—*Rhomboidichthys azureus*, Alcock, Journal, Asiatic Society of Bengal, Vol. LVIII, pt. 2, 1889, p. 283: Annals and Magazine of Natural History, (6) VI, 1890, p. 435.

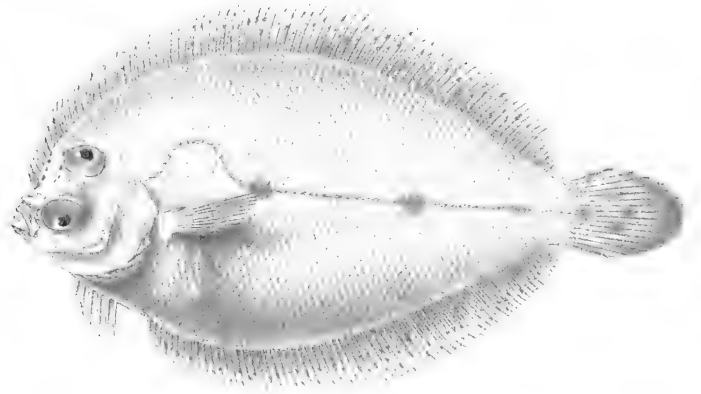
Figs. 4, 5.—*Rhomboidichthys polylepis*, Alcock, Annals and Magazine of Natural History, (6) VI, 1890, p. 434. (Fig. 4, young, fig. 5, adult female.)



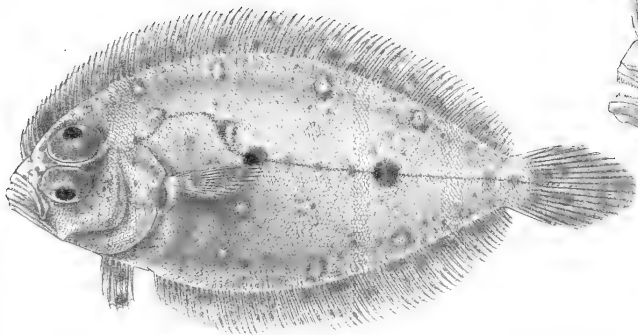
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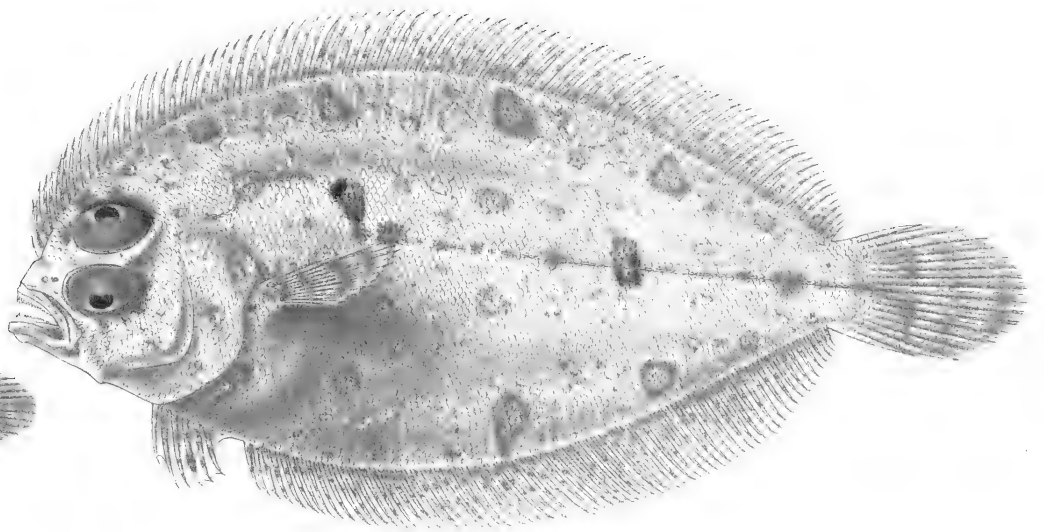
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1. *Synaptura altipinnis*. 2. *Rhomboidichthys valderostratus*. 3. *Rhomboidichthys azureus*.
 4. *Arnoglossus polylepis*. 5. *Rhomboidichthys polylepis*.



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PLATE XXV.

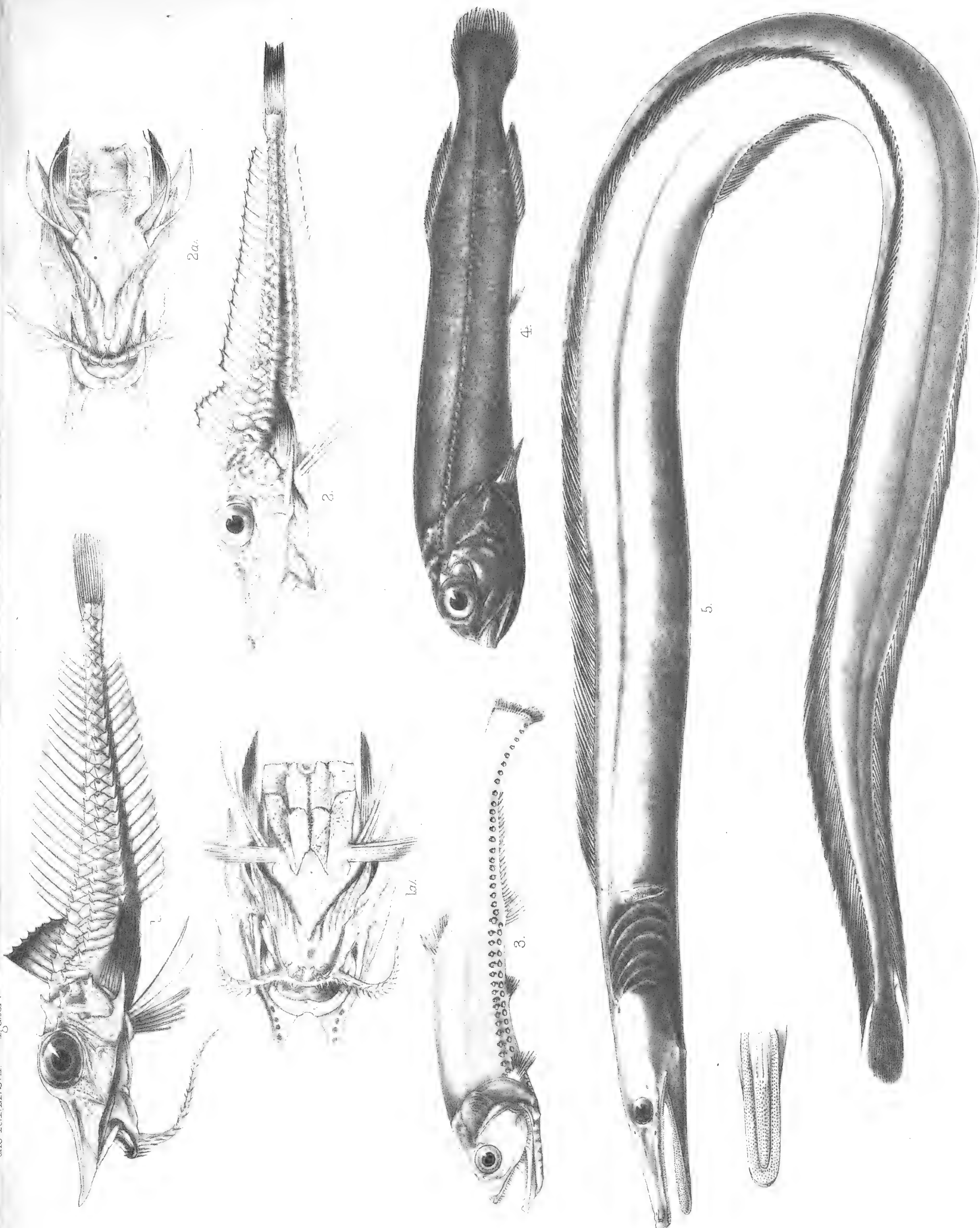
Figs. 1, 1a.—*Peristethus investigatoris*, Alcock, Annals and Magazine of Natural History, August, 1898, p. 152.

Figs. 2, 2a.—*Peristethus serrulatum*, Alcock, *tom. cit.*, p. 153.

Fig. 3.—*Diplophos corythæolum*, Alcock, *tom. cit.*, p. 147.

Fig. 4.—*Xenodermichthys squamilaterus*, Alcock, *tom. cit.*, p. 148.

Fig. 5.—*Nettenchelys Taylora*, Alcock, *tom. cit.*, p. 150.



1. *Peristethus investigatoris*. 2. *Peristethus serrulatum*. 3. *Diplophos corythaeolum*. 4. *Xenodermichthys squamulaterus*. 5. *Nettenchelys taylori*.
 A. C. Chowdhury del. Photographure-Survey of India. Offices, Calcutta, August 1883.

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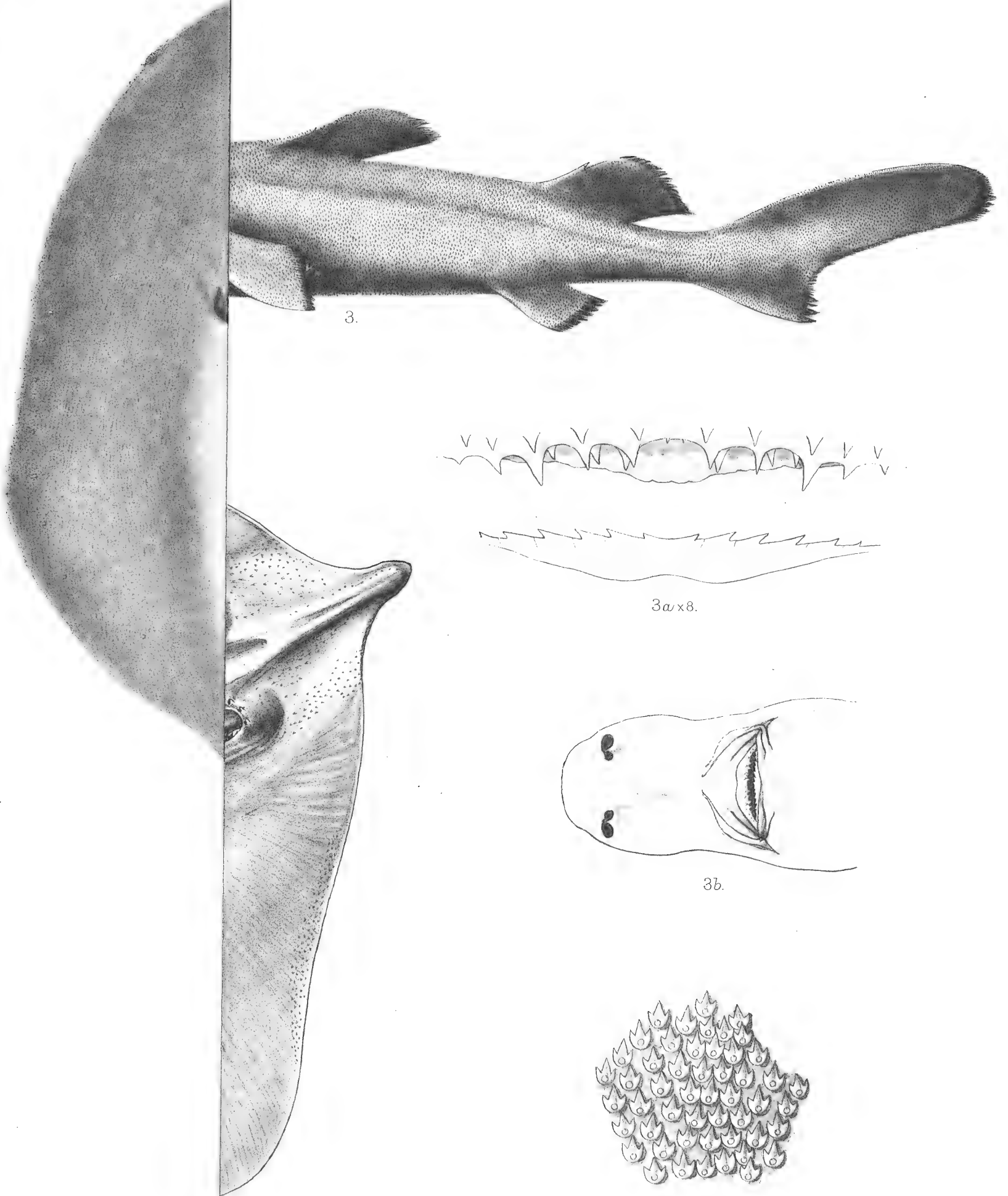
PLATE XXVI.

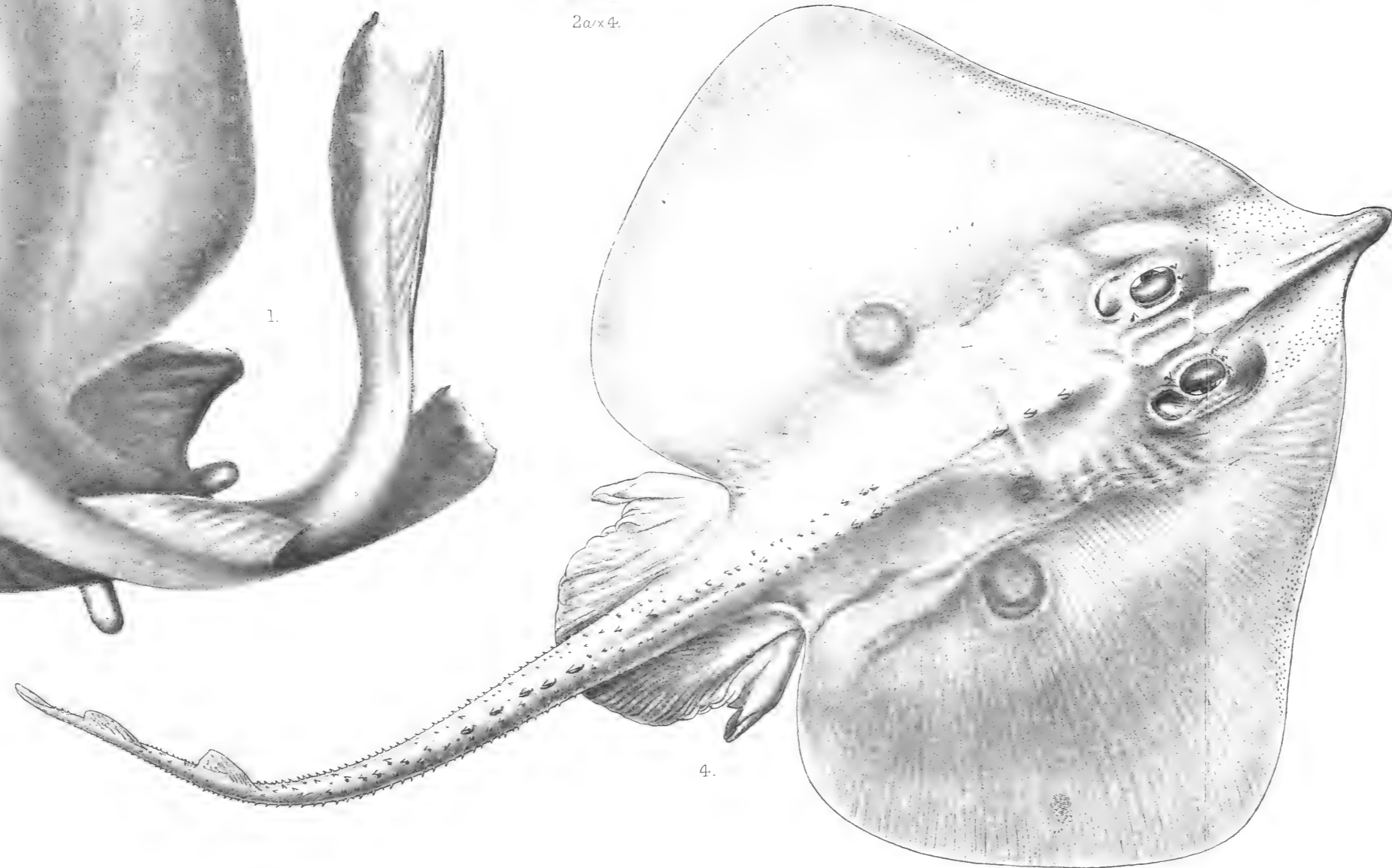
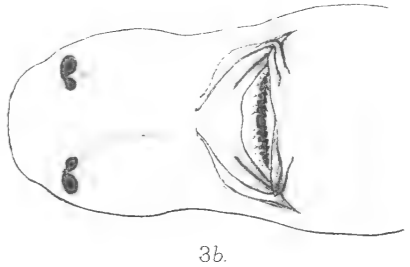
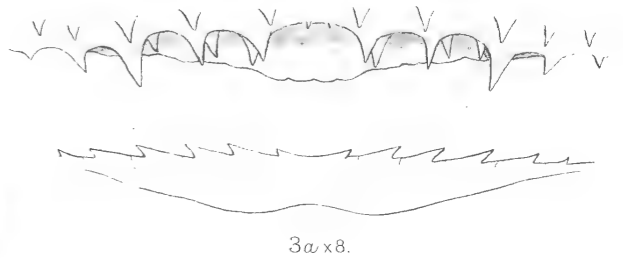
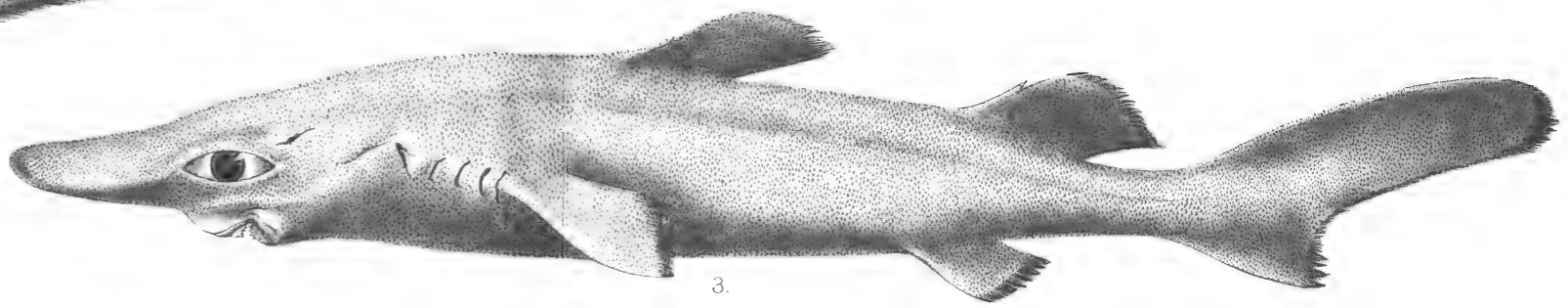
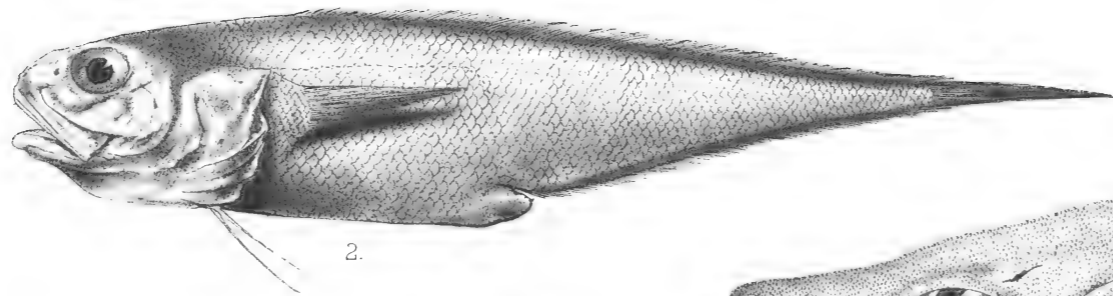
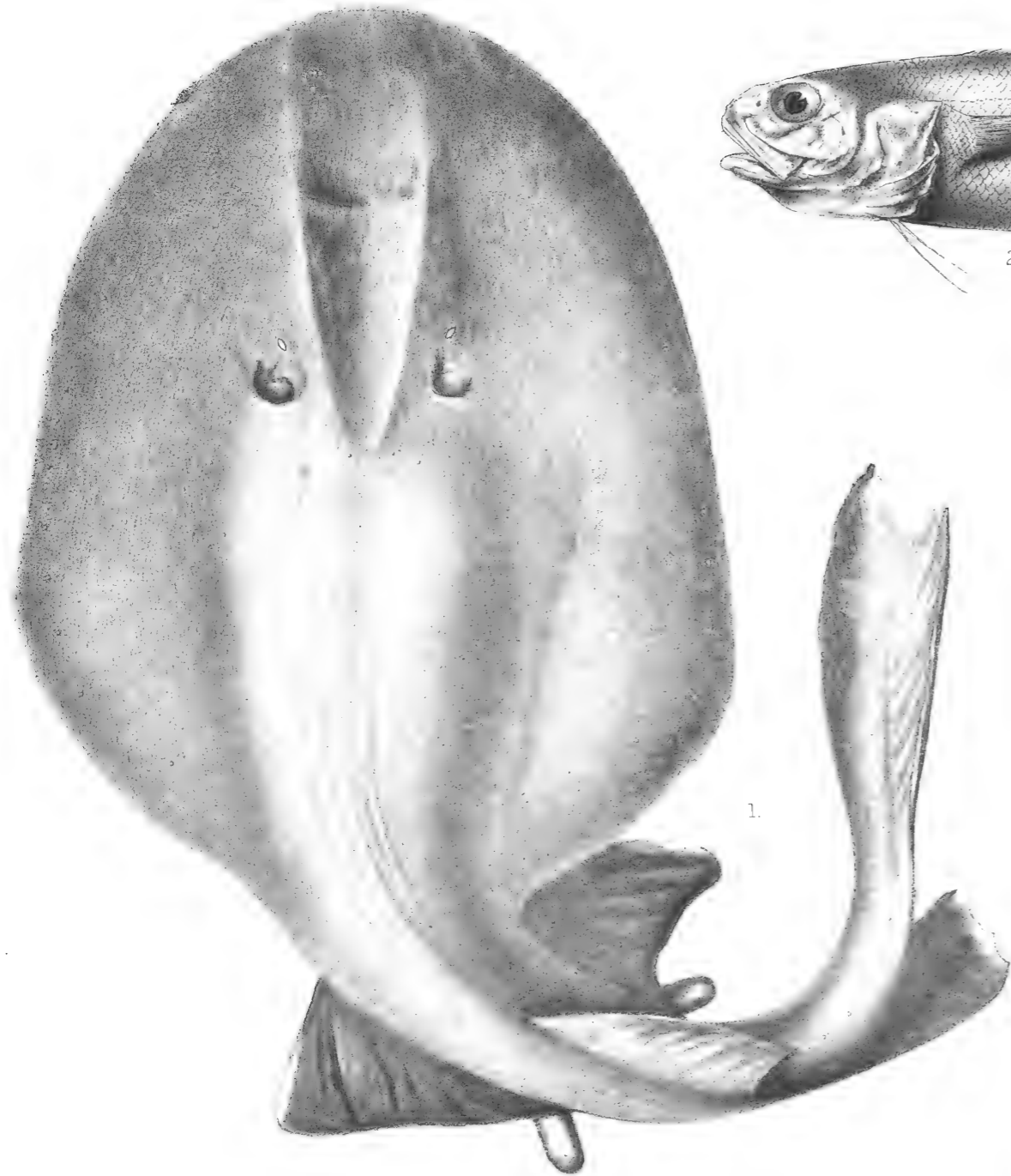
Fig. 1.—*Benthobatis Moresbyi*, Alcock, Annals and Magazine of Natural History, August, 1898, p. 145.

Figs. 2, 2a.—*Diplacanthopoma raniceps*, Alcock, *tom. cit.*, p. 154.

Figs. 3, 3a, 3b, 3c.—*Centrophorus Rossi*, Alcock, *tom. cit.*, p. 143.

Fig. 4.—*Raja Powellii*, Alcock, *tom. cit.*, p. 145.





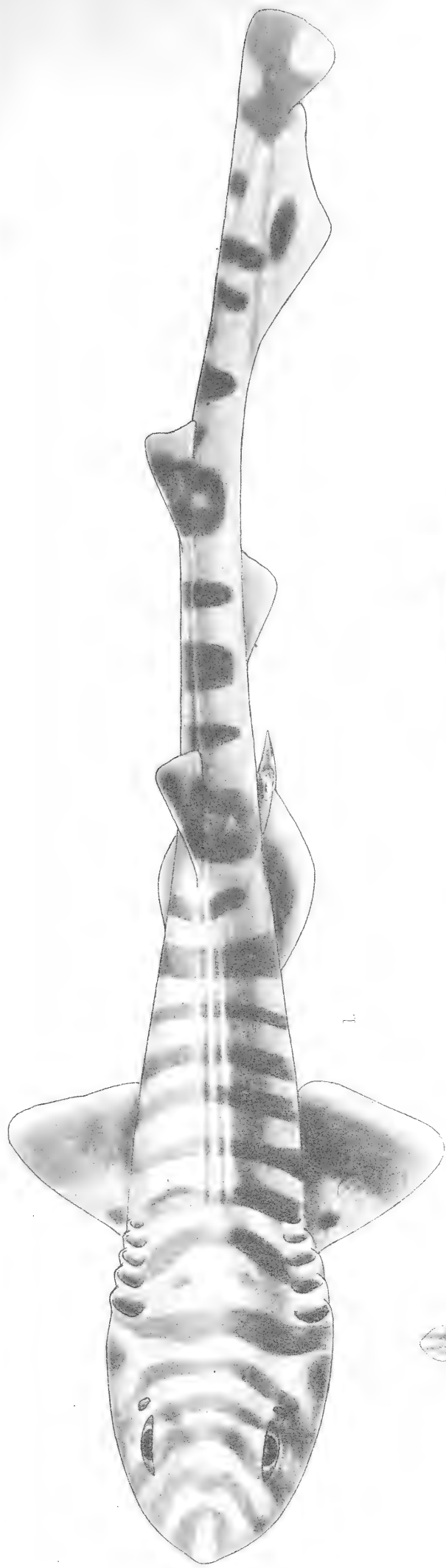
EXPLANATION OF PLATE.

FISHES.

PLATE XXVII.

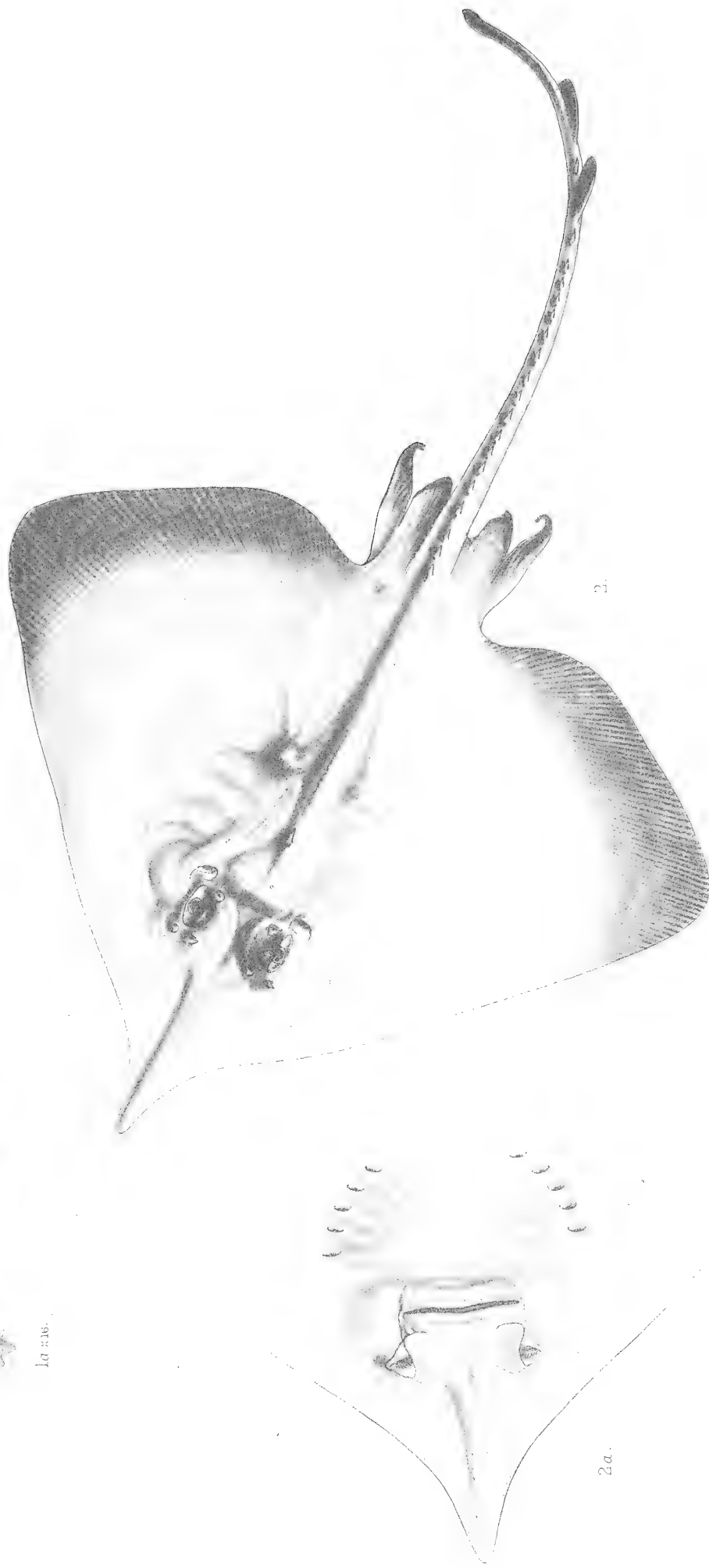
Figs. 1, 1a.—*Scyllium quagga*, Alcock, "Investigator Deep Sea Fishes," Calcutta, 1899, p. 17.

Figs. 2, 2a.—*Raja Johannis-Davisi*, Alcock, "Investigator Deep Sea Fishes," p. 21.



1.

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1. *Scyllium quagga*.

2. Raja Jolannis Davisi.

EXPLANATION OF PLATE.

FISHES.

PLATE XXVIII.

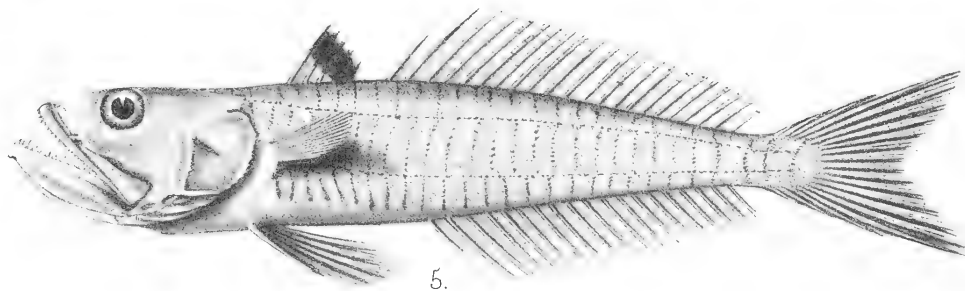
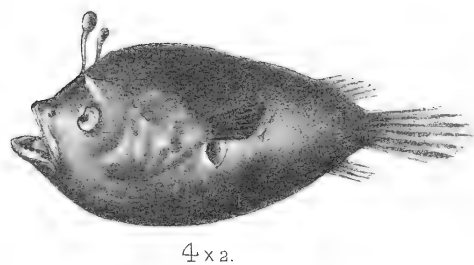
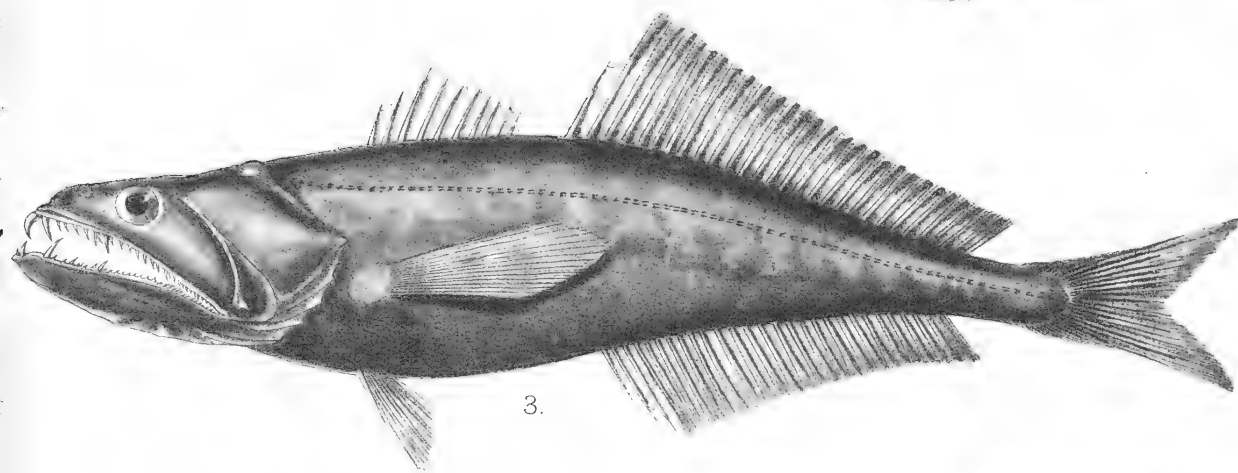
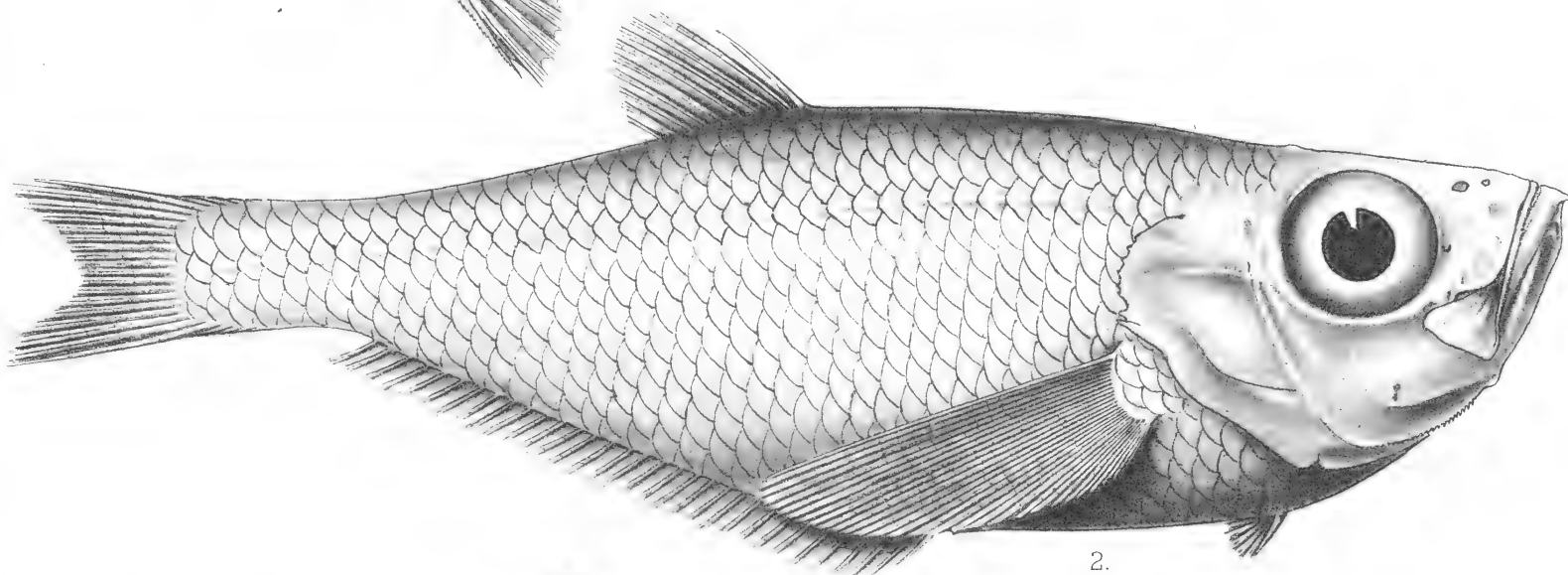
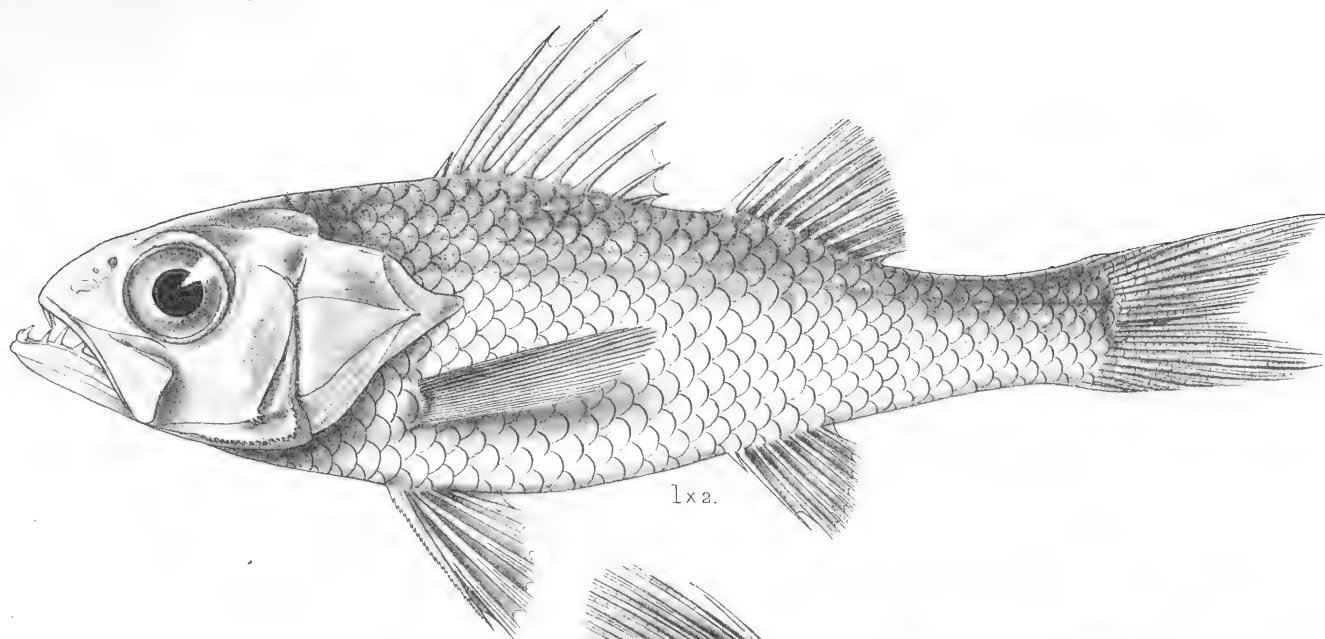
Fig. 1.—*Synagrops philippinensis*, Gthr.—Alcock, "Investigator Deep Sea Fishes," Calcutta, 1899, p. 24 (*ubi synonym*).

Fig. 2.—*Bathyclupea Hoskynii*, Alcock, "Investigator Deep Sea Fishes," p. 40.

Fig. 3.—*Chiasmodon niger*, Johns.—Alcock, "Investigator Deep Sea Fishes," p. 21 (*ubi synonym*).

Fig. 4.—*Onirodes glomeratus*, Alcock, "Investigator Deep Sea Fishes," p. 57.

Fig. 5.—*Champsodon vorax*, Gthr.—Alcock, "Investigator Deep Sea Fishes," p. 47.



1. *Synagrops philippinensis*, x 2. 2. *Bathyclupea hoskynii*. 3. *Chiasmodon niger*. 4. *Oneirodes glomeratus*, x 2. 5. *Champsodon vorax*.

EXPLANATION OF PLATE.

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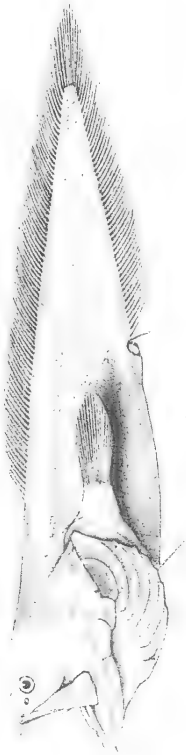
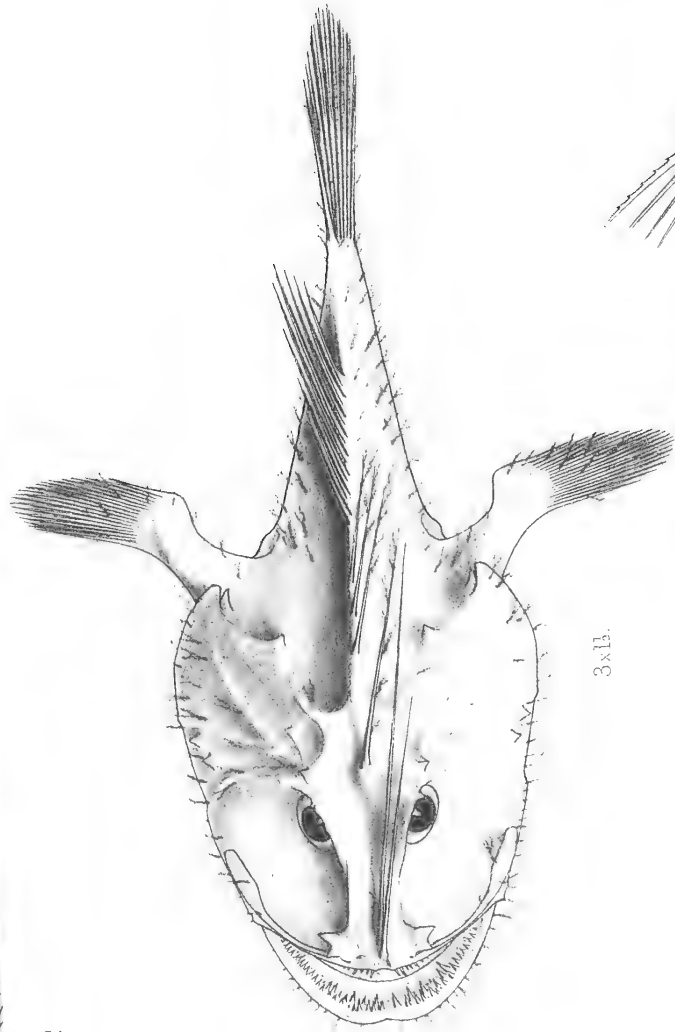
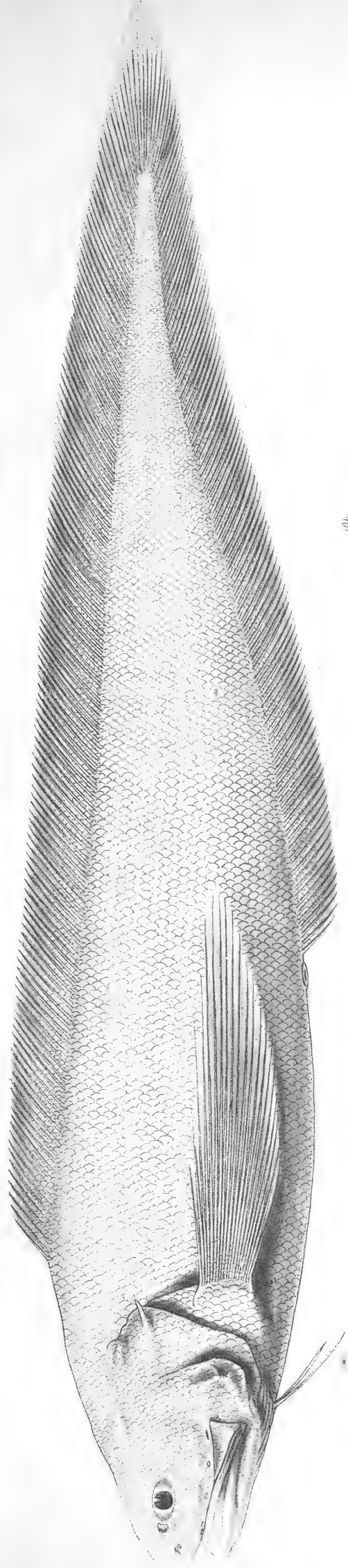
PLATE XXIX.

Fig. 1.—*Neobythites pterotus*, Alcock, "Investigator Deep Sea Fishes," Calcutta, 1899, p. 83. *Male*.

Figs. 2, 2a.—*Saccogaster maculata*, Alcock, "Investigator Deep Sea Fishes," p. 102.

Fig. 3.—*Lophius gracilimanus*, Alcock, "Investigator Deep Sea Fishes," p. 54.

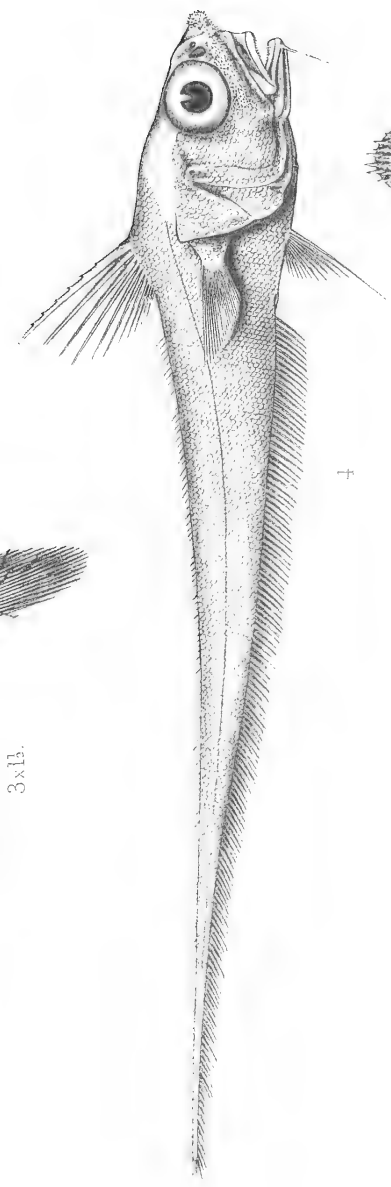
Figs. 4, 4a.—*Macrurus polylepis*, Alcock, "Investigator Deep Sea Fishes," p. 112.



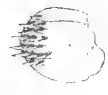
2.



2x13.



+



4x10.

1. *Neobythites pterotus*. ♂. 2. *Saccogaster maculata*. 3. *Lophius gracilimanus*. 4. *Macrurus polylepis*.

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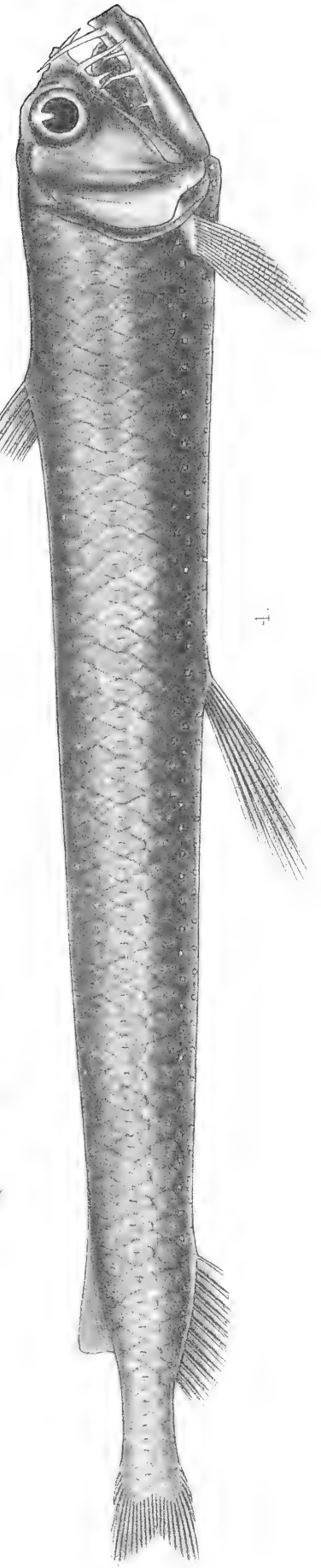
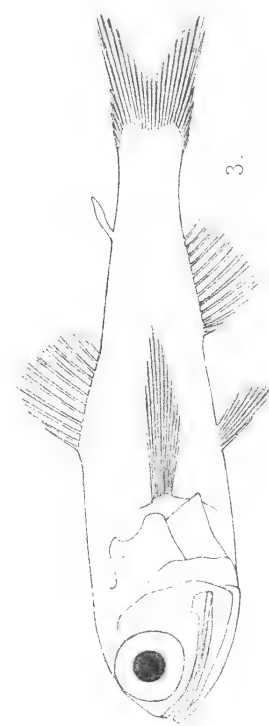
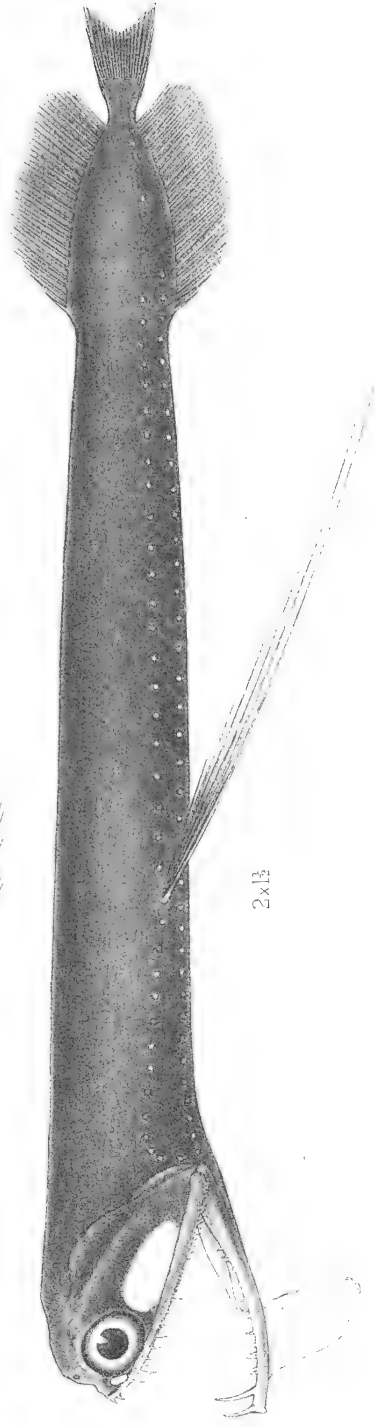
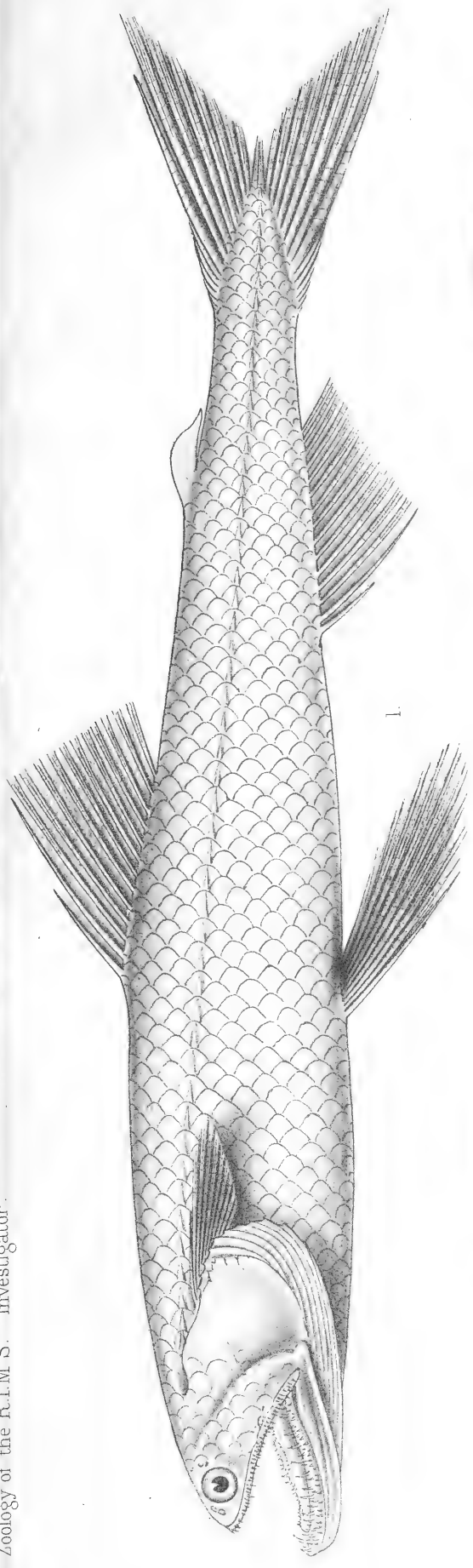
PLATE XXX.

Fig. 1.—*Harpodon squamosus*, Alcock, "Investigator Deep Sea Fishes," Calcutta, 1899, p. 154.

Fig. 2.—*Photostomias atrox*, Alcock, "Investigator Deep Sea Fishes," p. 150.

Fig. 3.—*Scopelus pyrsobolus*, Alcock, "Investigator Deep Sea Fishes," p. 163.

Fig. 4.—*Chauliodus pammelas*, Alcock, "Investigator Deep Sea Fishes," p. 145.



1. *Harpodon squamosus*. 2. *Photostomias atrox* x 1.5. 3. *Scopelus pyrsobolus*. 4. *Chauliodus pammelas*.

EXPLANATION OF PLATE.

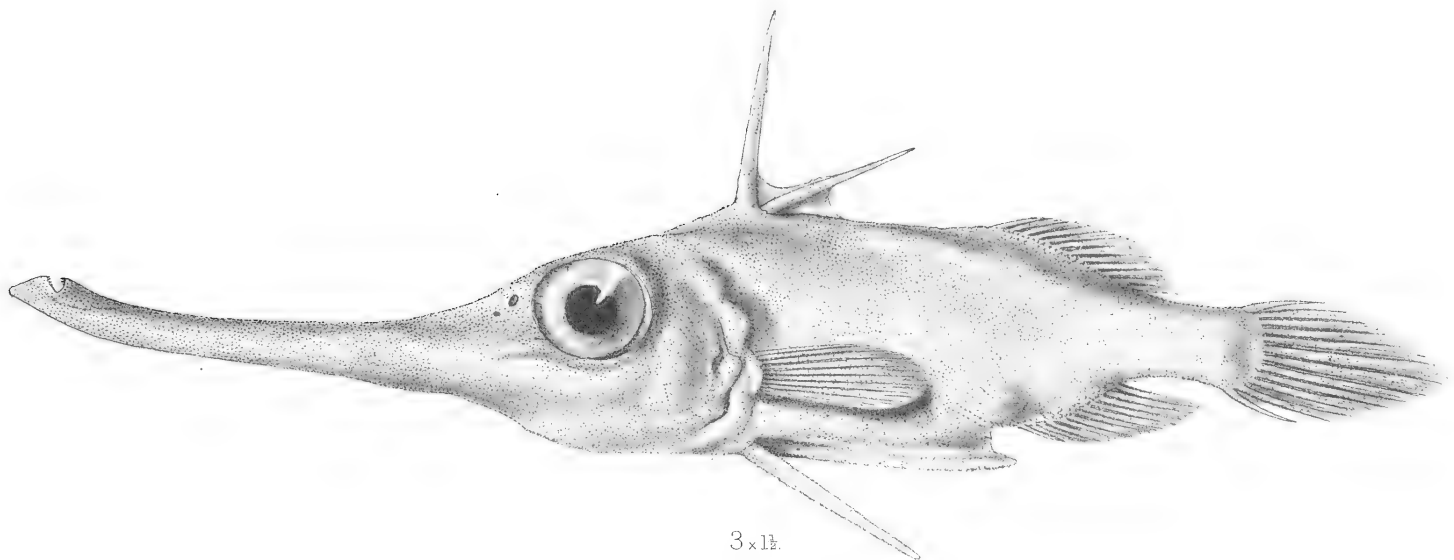
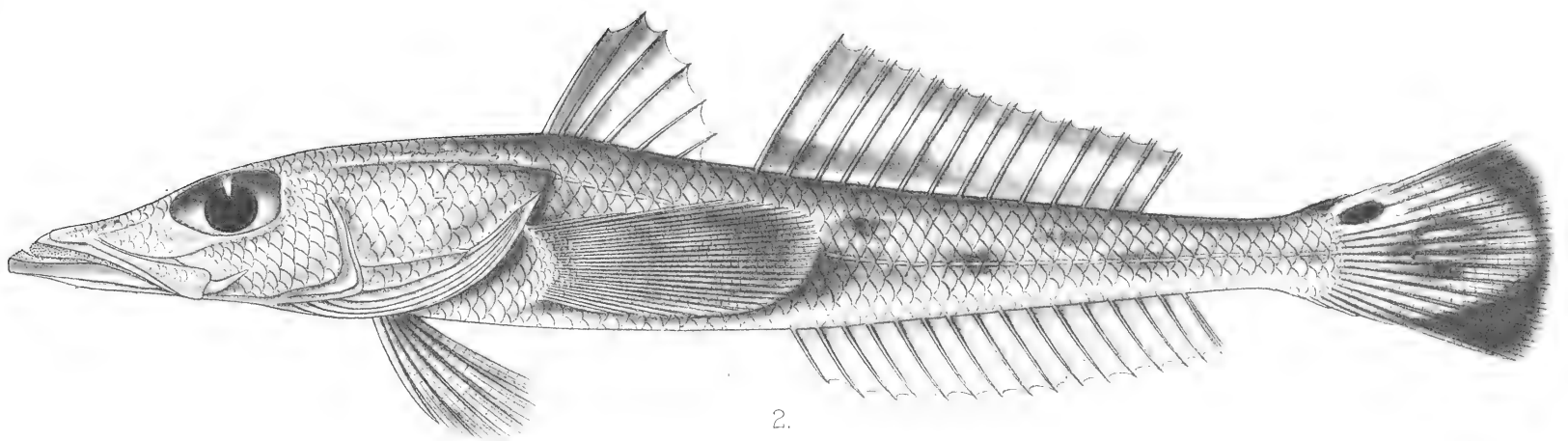
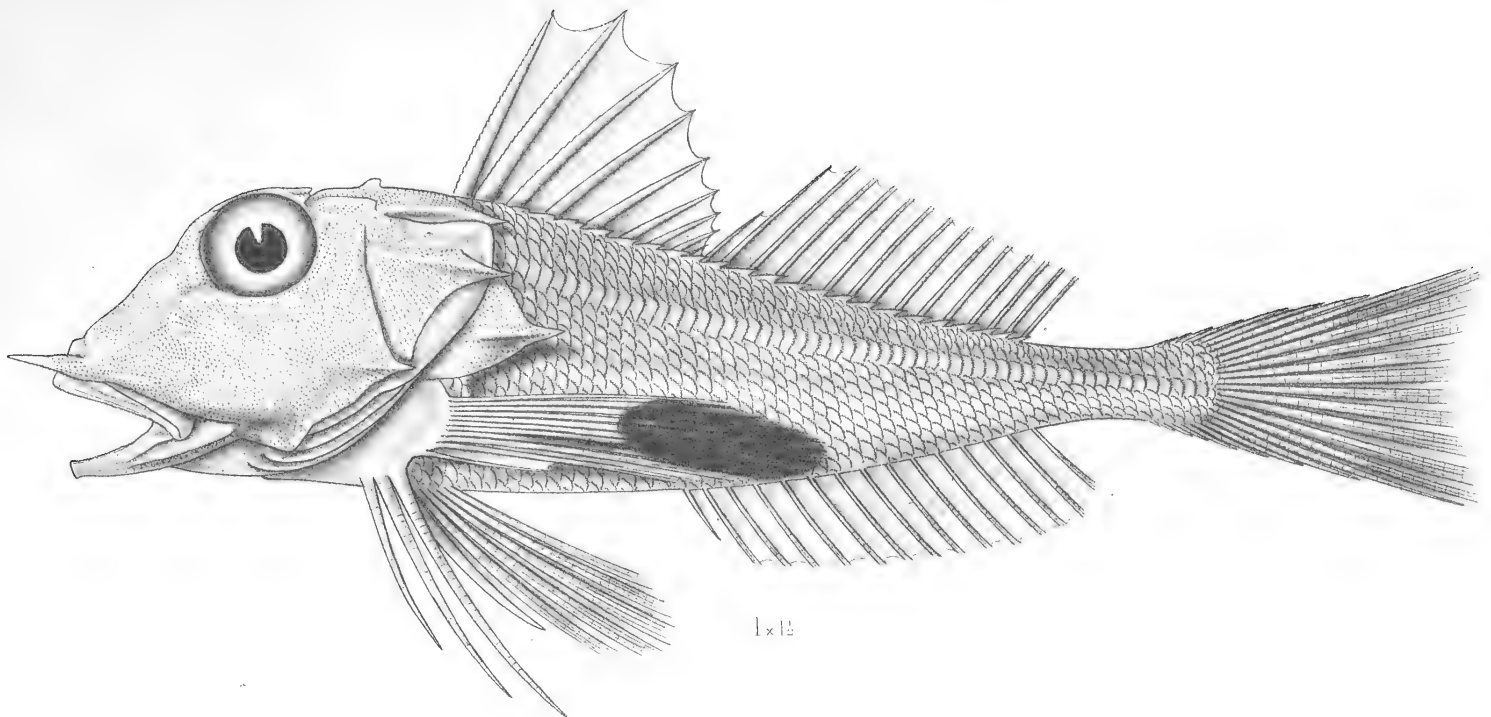
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PLATE XXXI.

Fig. 1.—*Lepidotrigla longipinnis*, Alcock, "Investigator Deep Sea Fishes," Calcutta, 1899, p. 68.

Fig. 2.—*Bembrops caudimacula*, Stdr.—Alcock, "Investigator Deep Sea Fishes," p. 48 (*ubi synonym*).

Fig. 3.—*Halimochirurgus centriscooides*, Alcock, "Investigator Deep Sea Fishes," p. 209.



1. *Lepidotrigla longipinnis*. 2. *Bembrops caudimacula*. 3. *Halimochirurgus centriscoides*.

EXPLANATION OF PLATE.

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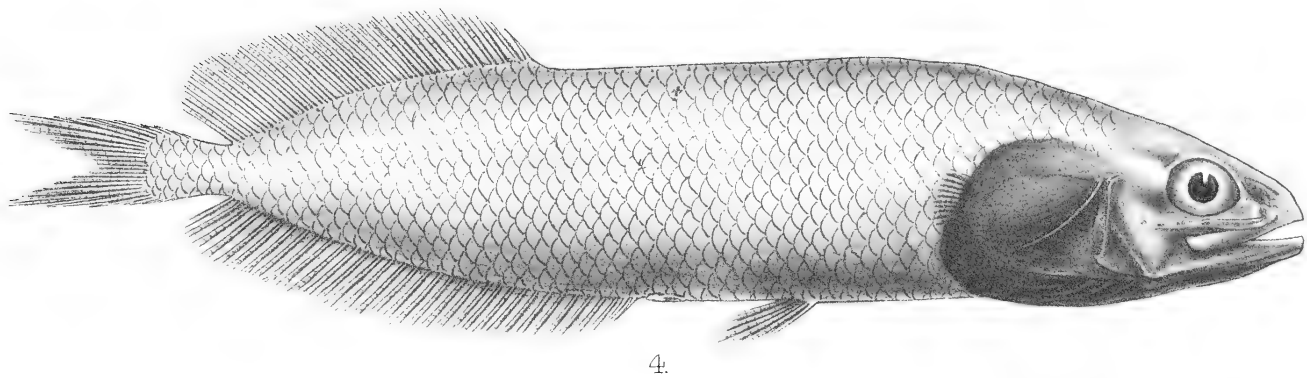
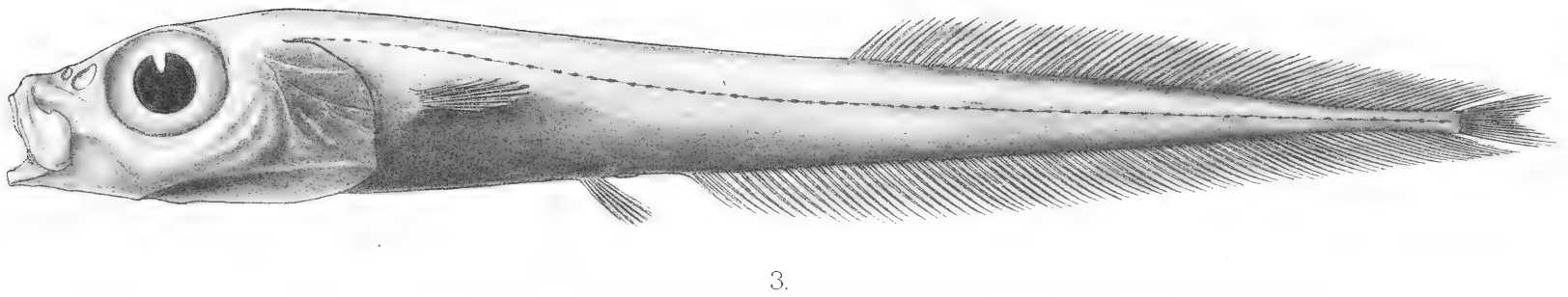
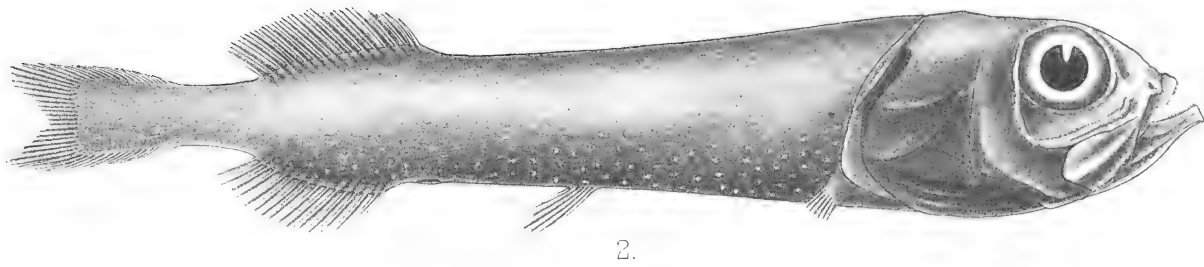
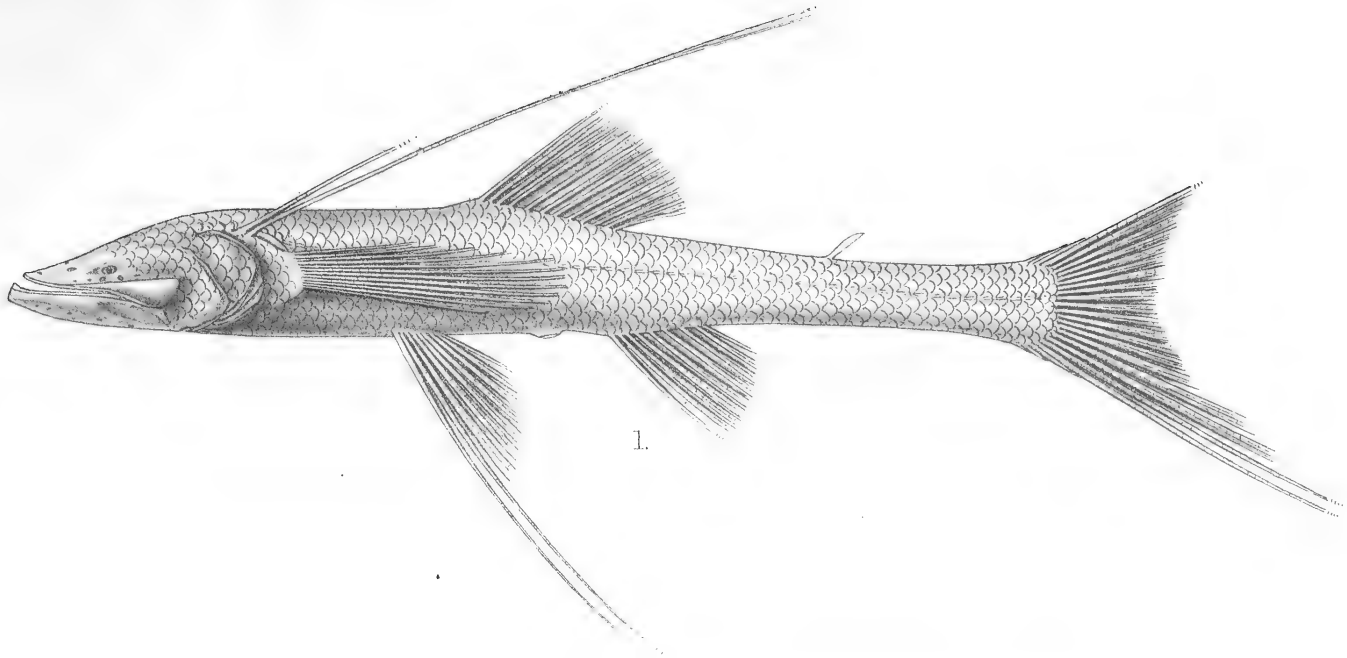
PLATE XXXII.

Fig. 1.—*Bathypterois insularum*, Alcock, "Investigator Deep Sea Fishes," Calcutta, 1899, p. 158.

Fig. 2.—*Xenodermichthys Guentheri*, Alcock, "Investigator Deep Sea Fishes," p. 180.

Fig. 3.—*Leptoderma affinis*, Alcock, "Investigator Deep Sea Fishes," p. 182.

Fig. 4.—*Alepocephalus edentulus*, Alcock, "Investigator Deep Sea Fishes," p. 172.



1. *Bathypterois insularum*. 2. *Xenodermichthys guentheri*.
3. *Leptoderma affinis*. 4. *Alepocephalus edentulus*.

EXPLANATION OF PLATE.

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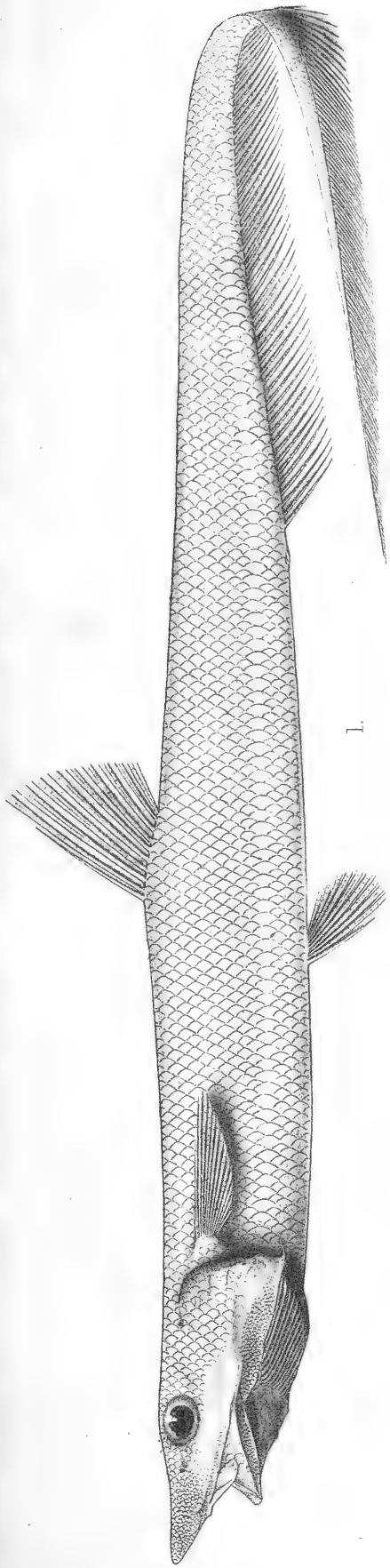
PLATE XXXIII.

Fig. 1.—*Halosaurus parvipinnis*, Alcock, "Investigator Deep Sea Fishes," Calcutta, 1899, p. 186.

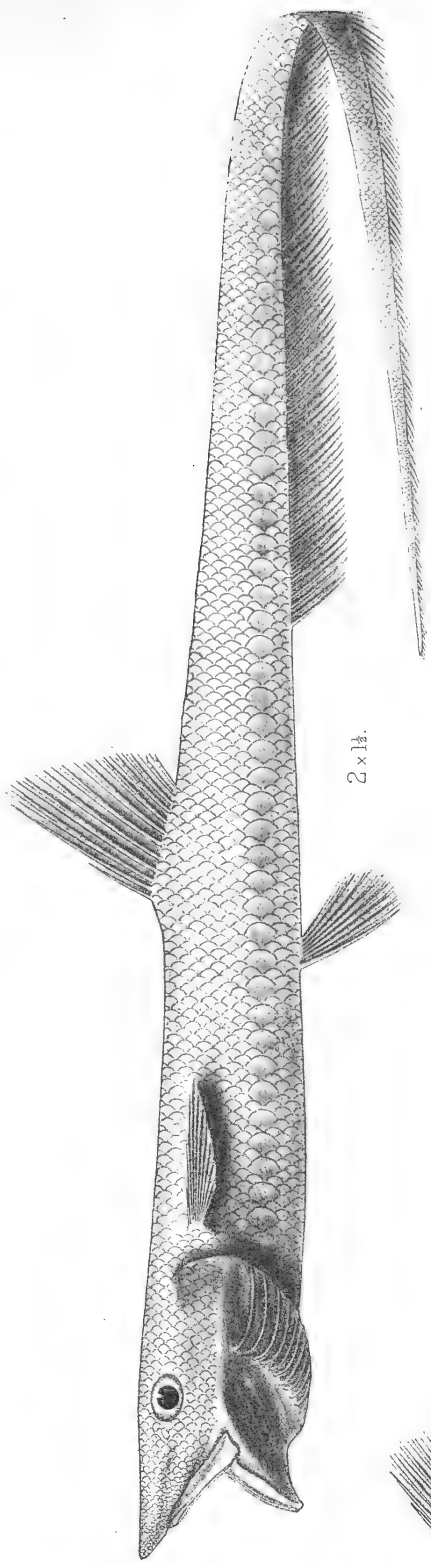
Fig. 2.—*Halosaurichthys nigerrimus*, Alcock, "Investigator Deep Sea Fishes," p. 188.

Fig. 3.—*Odontostomus atratus*, Alcock, "Investigator Deep Sea Fishes," p. 167.

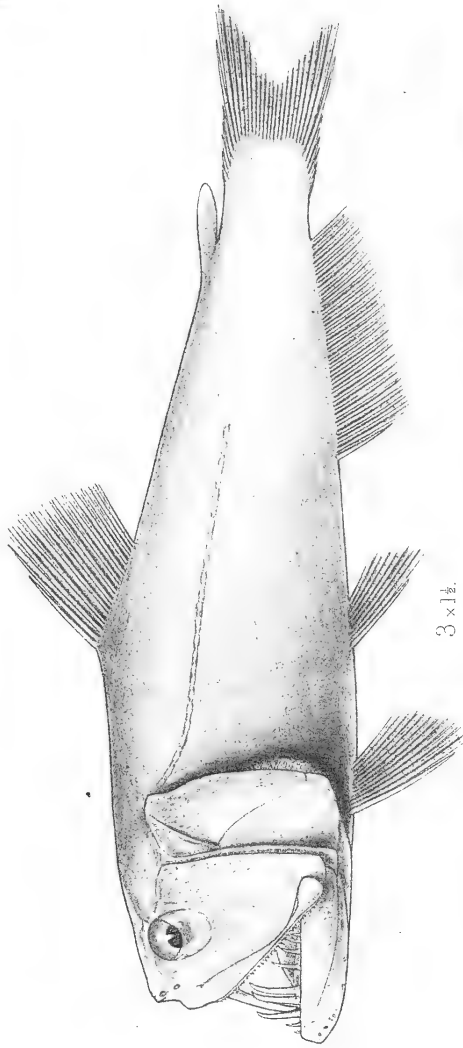
Fig. 4.—*Malacosteus sp.*, Alcock, "Investigator Deep Sea Fishes," p. 149.



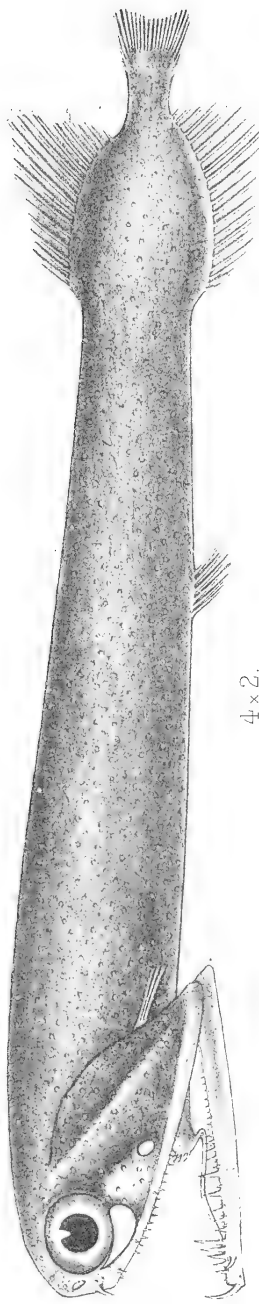
1.



2 x 14.



3 x 14.



4 x 2.

1. *Halosaurus parvipinnis*. 2. *Halosaurichthys nigerrimus*. 3. *Odontostomus atratus* x 14. 4. *Malacosteus* sp. x 2.

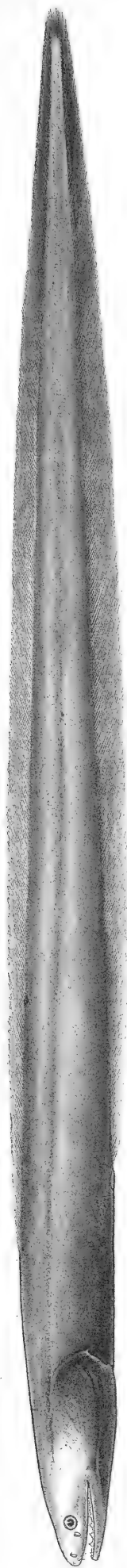
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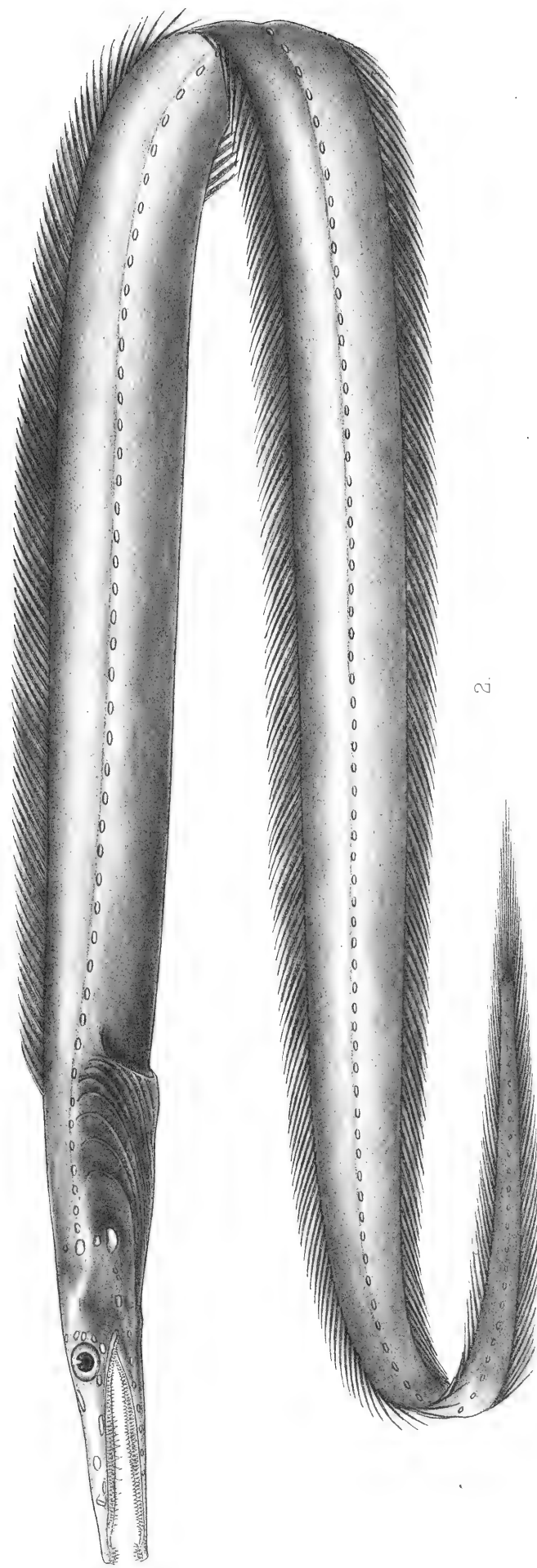
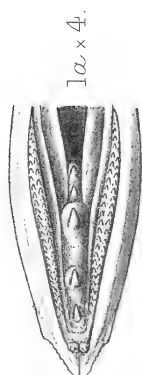
PLATE XXXIV.

Figs. 1, 1a.—*Dysommopsis mucipara*, Alcock, "Investigator Deep Sea Fishes," Calcutta, 1899, p. 193.

Fig. 2.—*Saurenchelys taeniola*, Alcock, "Investigator Deep Sea Fishes," p. 206.

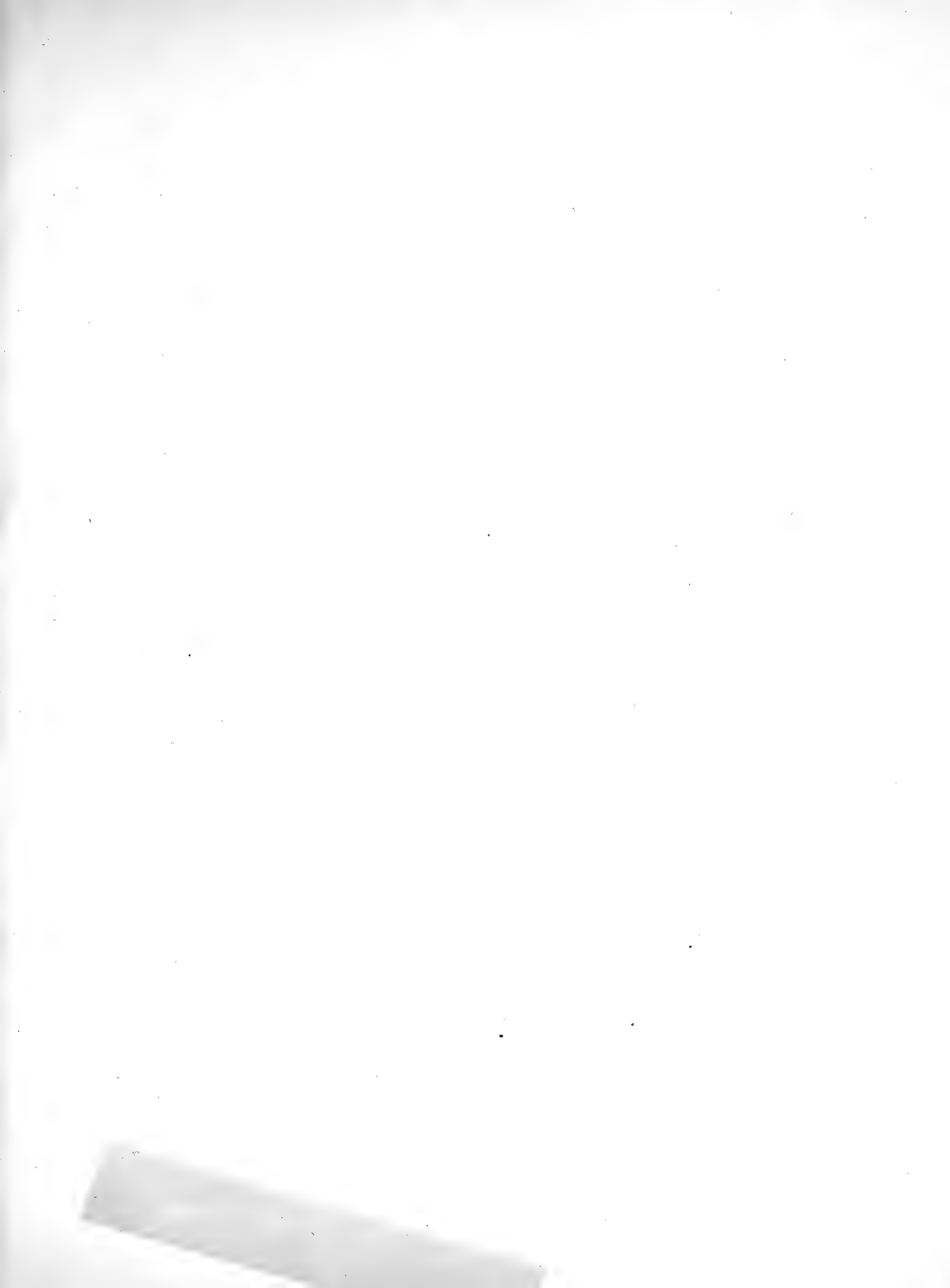


1.



2.

1. *Dysommopsis muciparus*. 2. *Saurenehelys taeniola*.



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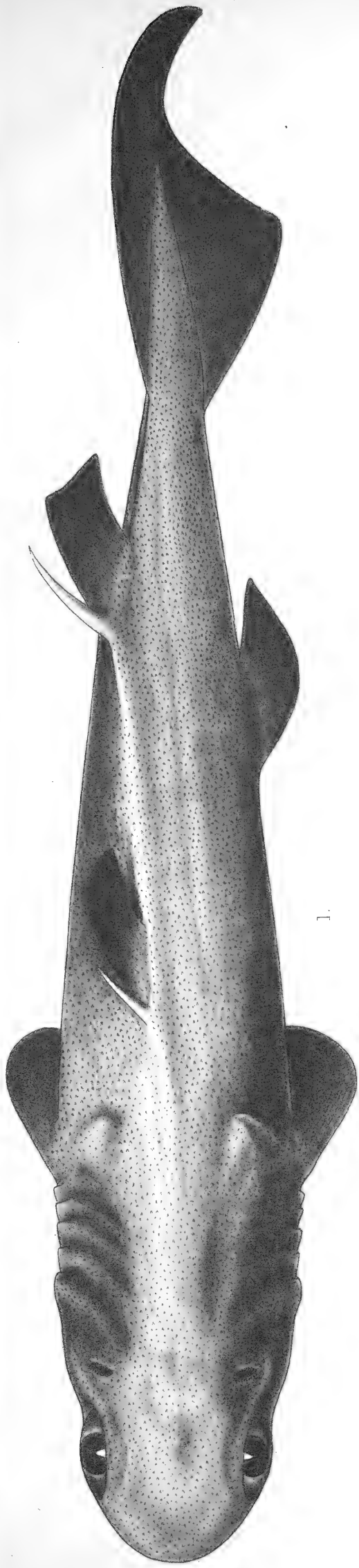
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PLATE XXXV.

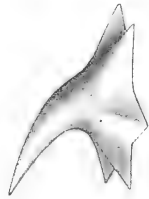
Figs. 1, 1a.-b.—*Centroscyllium ornatum*, Alcock, "Investigator Deep Sea Fishes," Calcutta, 1899, p. 14.

Fig. 2.—*Ceratias bispinosus*, Gthr.—Alcock, "Investigator Deep Sea Fishes," p. 56.

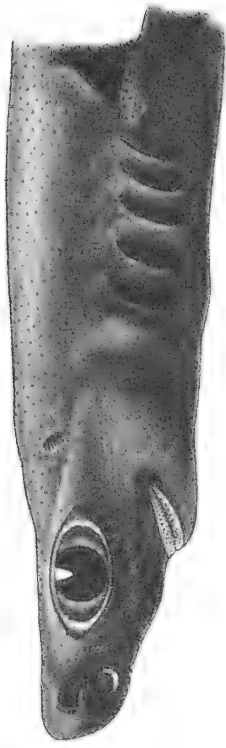
Fig. 3.—*Astronesthes sp.*, Alcock, "Investigator Deep Sea Fishes," p. 211.



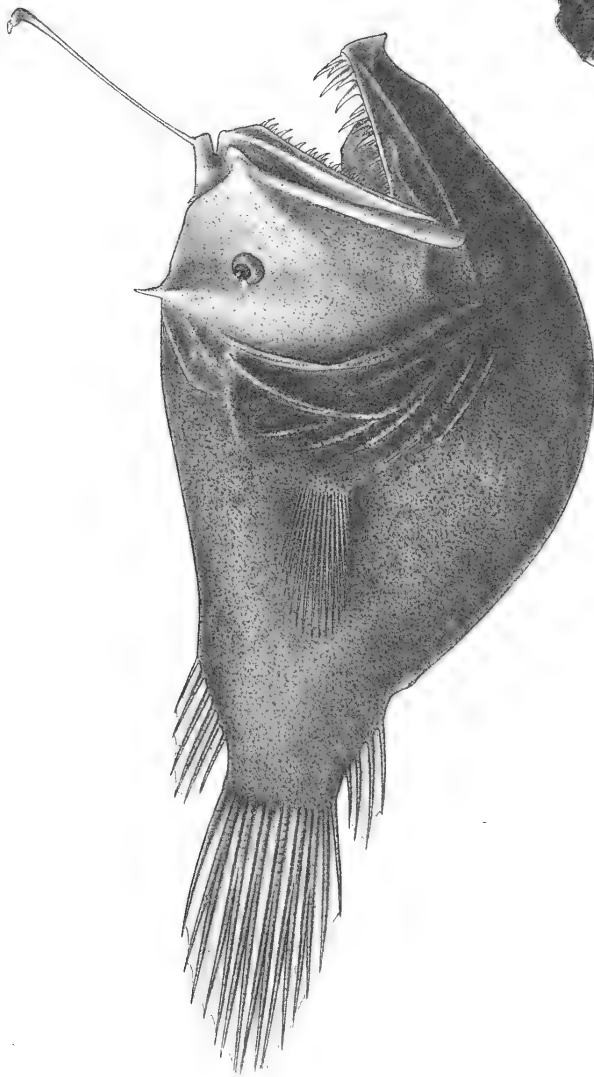
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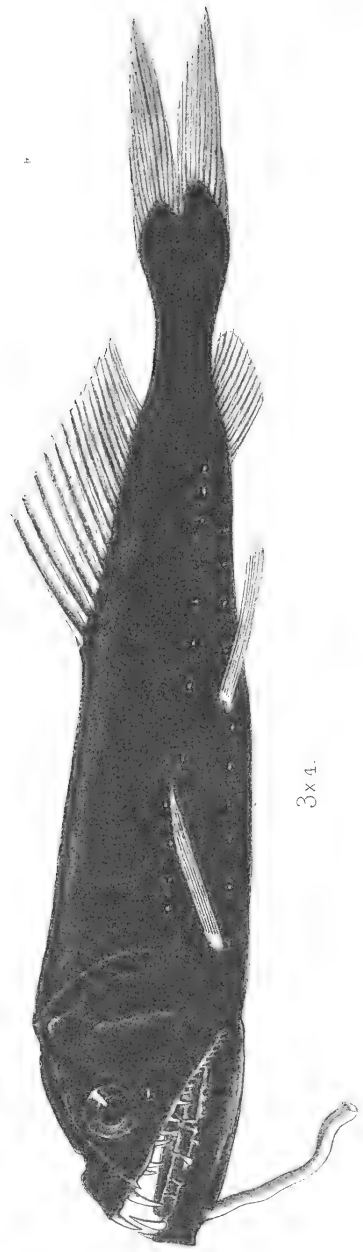
1b x 32.



1a.

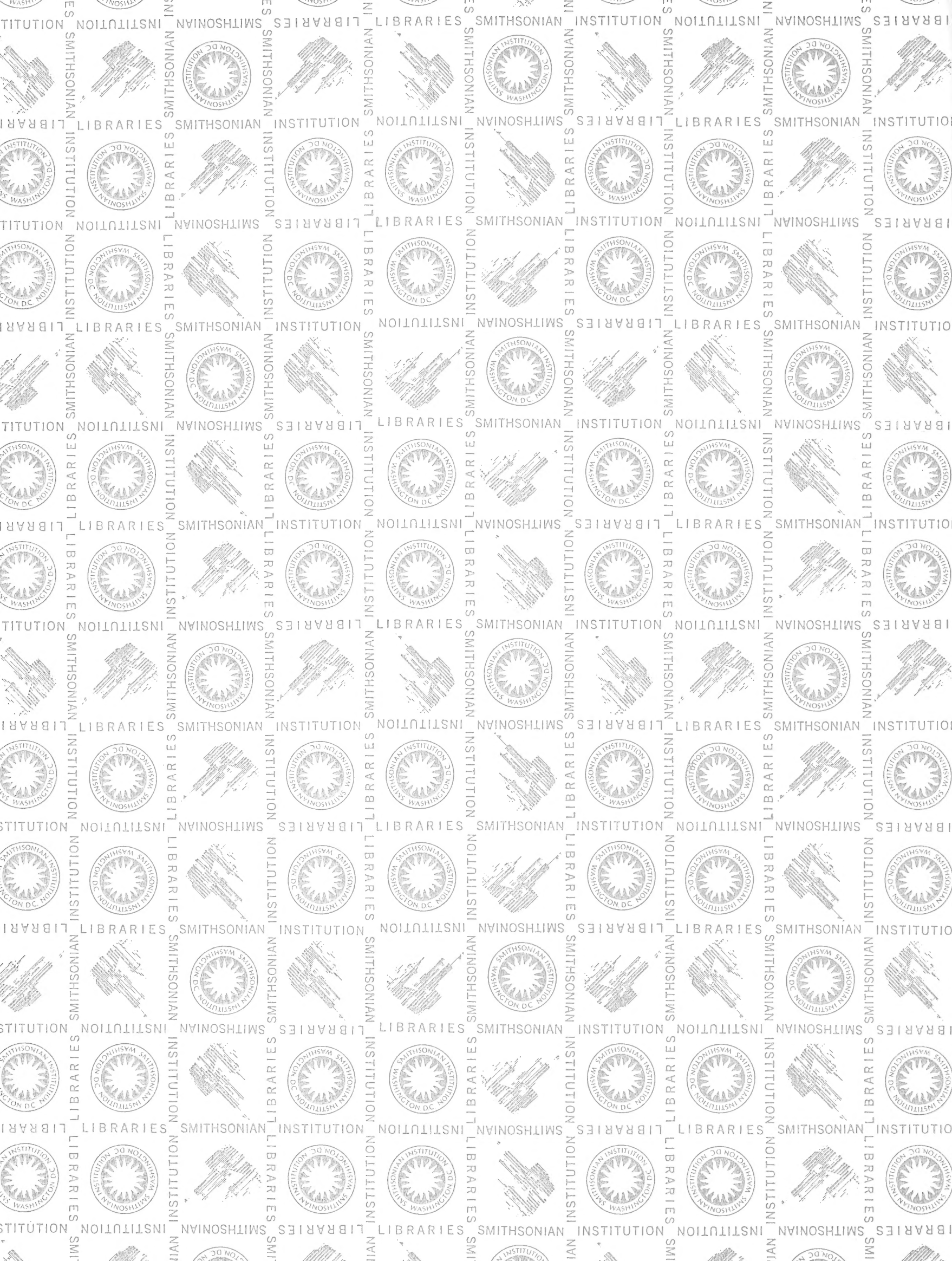


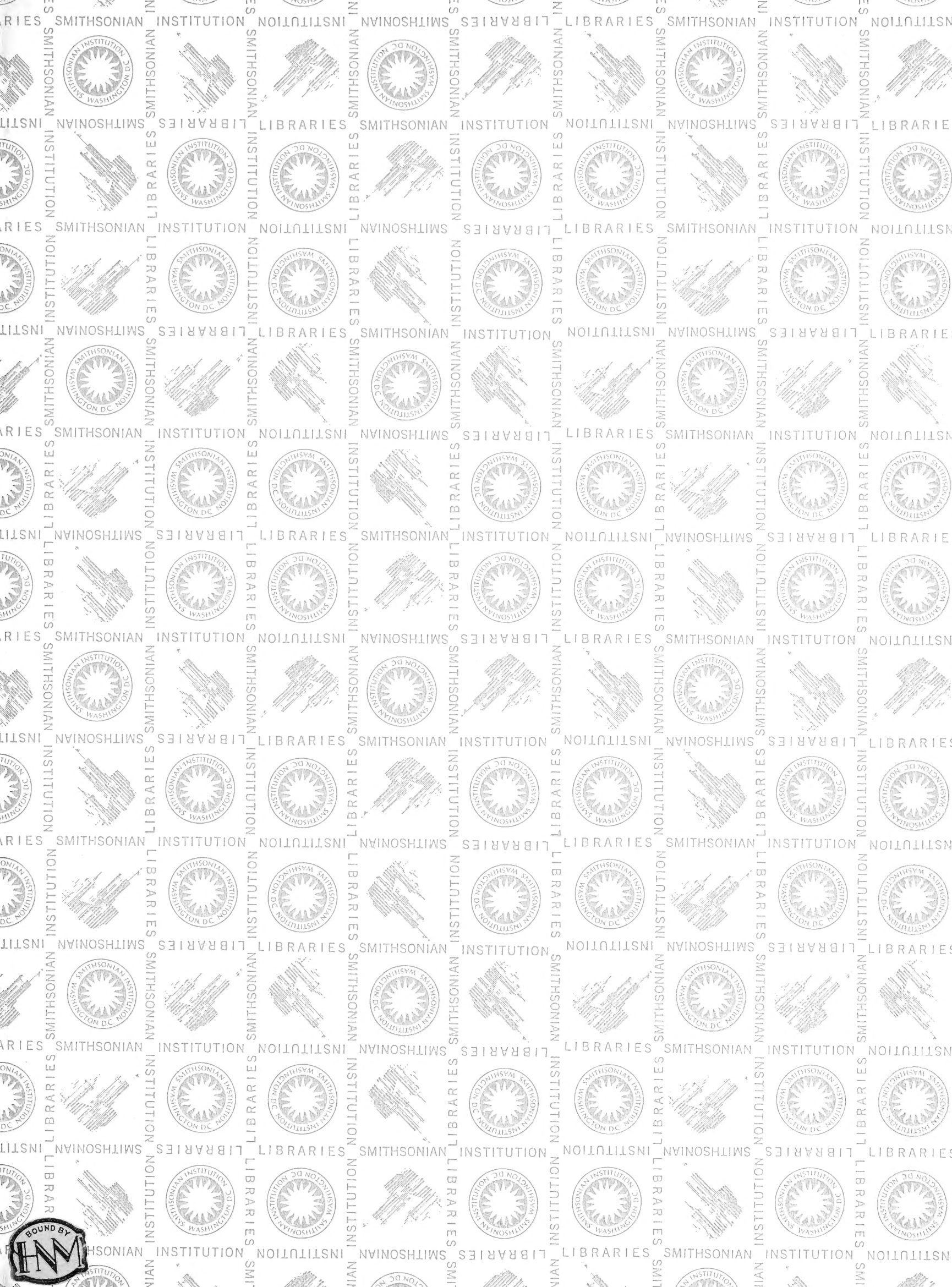
2.



3 x 4.

1. *Centroscyllium ornatum*. 2. *Ceratias bispinosus*. 3. *Astronesthes* sp.





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