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ILLUSTRATIONS  
OF THE  
ZOOLOGY  
OF THE  
ROYAL INDIAN MARINE SURVEY SHIP  
INVESTIGATOR

UNDER THE COMMAND OF  
COMMANDER W. G. BEAUCHAMP, R.I.M.

---

MOLLUSCA—Pt. VI, Pls. XXI—XXIII.

UNDER THE DIRECTION OF  
N. ANNANDALE, D.Sc., C.M.Z.S., F.L.S., SUPERINTENDENT OF THE INDIAN MUSEUM,  
AND OF  
F. H. STEWART, M.A., D.Sc., M.B., SURGEON-NATURALIST TO THE INDIAN MARINE SURVEY.



Published under the Direction of Captain A. Lumsden, R.A.,  
Director of the Royal Indian Marine.

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SUPERINTENDENT GOVERNMENT PRINTING, INDIA  
1909

*Price One Rupee Eight Annas.*

Sold by the Superintendent of the Indian Museum.



8 QL  
329  
A35  
1872  
Mollusca  
MOLLUS

Moll. - Pl. I, PB. 1 - VI

1894

STUDY OF MOLLUSCS

PLATE I

FIGURE 1

Faint, illegible text, likely bleed-through from the reverse side of the page.

EXPLANATION OF PLATES.

—♦—  
MOLLUSCA.  
—♦—

PLATE I.

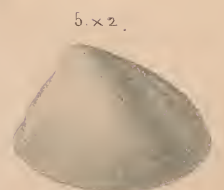
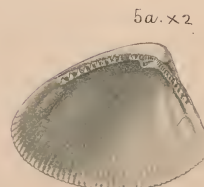
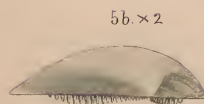
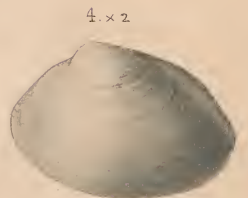
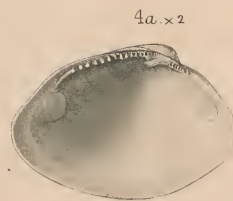
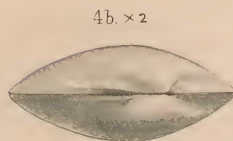
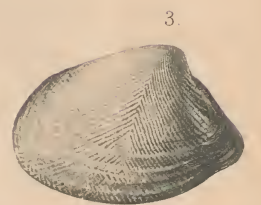
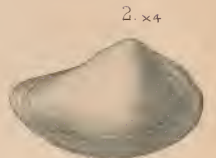
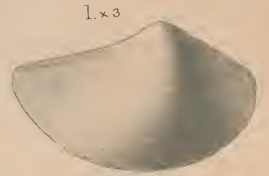
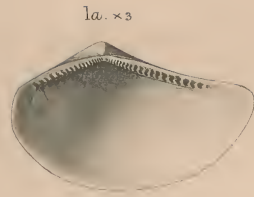
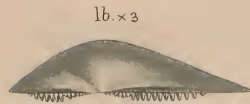
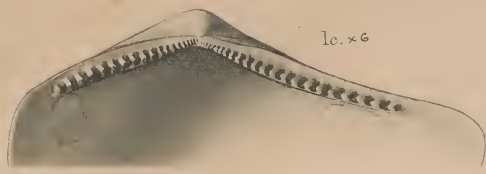
*Figs. 1, 1a, 1b, 1c.*—*Nuculana indica*, E. A. Smith, Annals and Magazine of Natural History, (6) XVI. July, 1895, p. 16.

*Figs. 2, 2a, 2b, 2c.*—*Nuculana fumosa*, E. A. Smith, Annals and Magazine of Natural History, (6) XVI. July, 1895, p. 16.

*Figs. 3, 3a, 3b, 3c.*—*Nucula (Acila) fultoni*, E. A. Smith.

*Figs. 4, 4a, 4b, 4c.*—*Nucula bengalensis*, E. A. Smith, Annals and Magazine of Natural History, (6) XVI. July, 1895, p. 15.

*Figs. 5, 5a, 5b, 5c.*—*Nucula donaciformis*, E. A. Smith, Annals and Magazine of Natural History, (6) XVI. July, 1895, p. 15.



1. *Nuculana indica*, E. A. Smith. 2. *Nuculana fumosa*, E. A. Smith. 3. *Nucula fultoni*, E. A. Smith.  
4. *Nucula bengalensis*, E. A. Smith. 5. *Nucula donaciformis*, E. A. Smith.





## EXPLANATION OF PLATES.

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### MOLLUSCA.

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#### PLATE II.

**Figs. 1, 1a.**—*Amussium andamanicum*, E. A. Smith, Annals and Magazine of Natural History, (6) XIV. September, 1894, p. 172 ; and (6) XVI. September, 1895, p. 265.

**Figs. 2, 2a.**—*Amussium solitarium*, E. A. Smith, Annals and Magazine of Natural History, (6) XIV. September, 1894, p. 173.

**Figs. 3, 3a.**—*Amussium alcocki*, E. A. Smith, Annals and Magazine of Natural History, (6) XIV. September, 1894, p. 172.

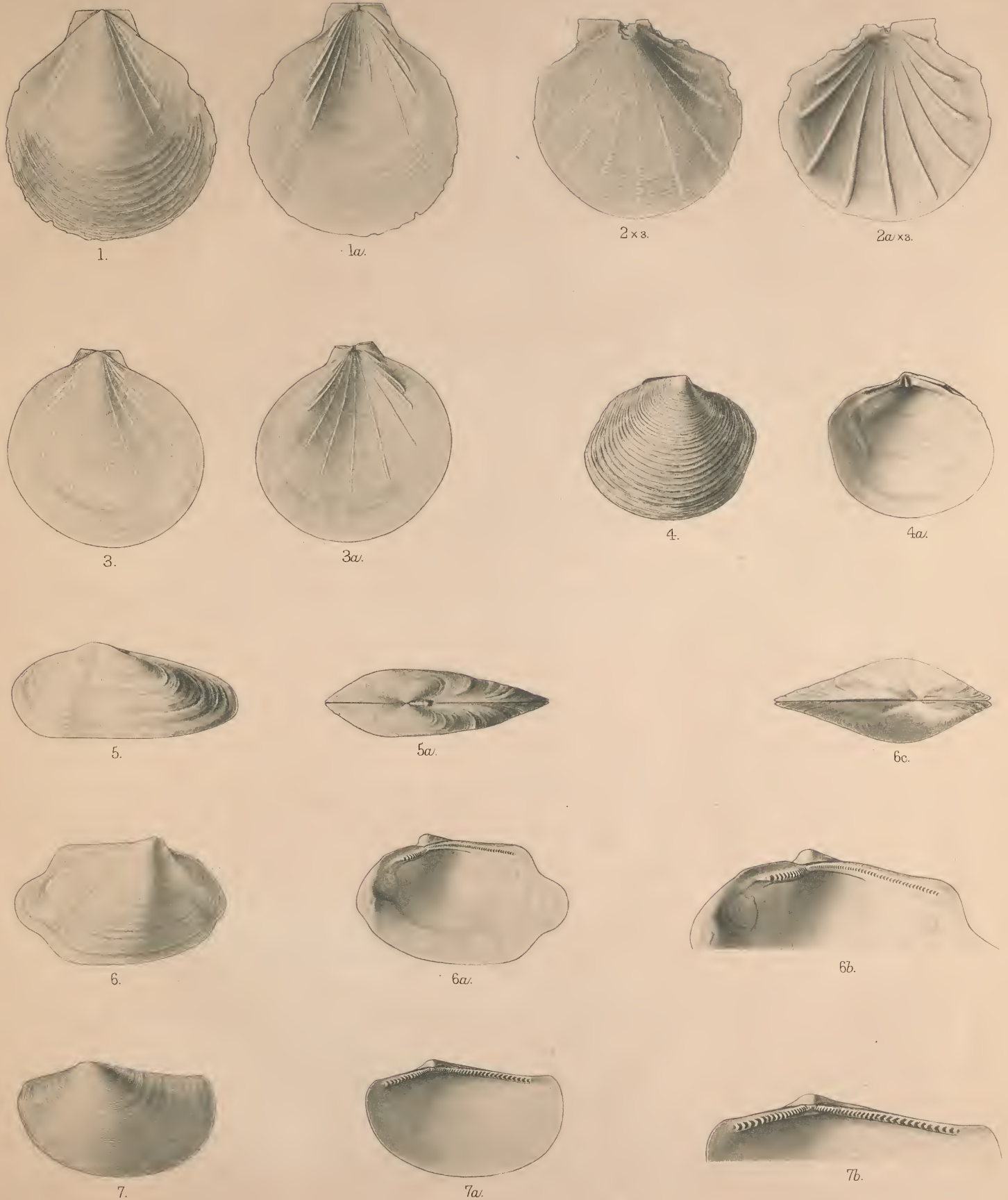
**Figs. 4, 4a.**—*Lucina bengalensis*, E. A. Smith, Annals and Magazine of Natural History, (6) XIV. September, 1894, p. 171.

**Figs. 5, 5a.**—*Glaucanome sculpta*, Sowerby, Proceedings of the Malacological Society, Vol. I. March, 1894, p. 40.

**Figs. 6, 6a, 6b, 6c.**—*Yoldia angulata*, Sowerby.

**Figs. 7, 7a, 7b.**—*Malletia conspicua*, E. A. Smith, Annals and Magazine of Natural History, (6) XVI. July, 1895, p. 17.





1. *Amusium andamanicum*, E. A. Smith. 2. *Amusium solitarium*, E. A. Smith. 3. *Amusium alcocki*, E. A. Smith.  
 4. *Lucina bengalensis*, E. A. Smith. 5. *Glaucanome sculpta*, Sowb. 6. *Yoldia angulata*, Sowb.

7. *Malletia conspicua*, E. A. Smith.





## EXPLANATION OF PLATES.

### MOLLUSCA.

#### PLATE III.

**Figs. 1, 1a, 1b.**—*Cryptodon acuticarinatus*, E. A. Smith, Annals and Magazine of Natural History, (6) XVI. July, 1895, p. 14.

**Figs. 2, 2a, 2b.**—*Cryptodon investigatoris*, E. A. Smith, Annals and Magazine of Natural History, (6) XVI. July, 1895, p. 13.

**Figs. 3, 3a, 3b.**—*Lucina spinifera*, (Montagu) E. A. Smith, Annals and Magazine of Natural History, (6) XVI. p. 12.

**Figs. 4, 4a, 4b, 4c.**—*Limopsis indica*, E. A. Smith, Annals and Magazine of Natural History, (6) XIV. September, 1894, p. 171.

**Figs. 5, 5a.**—*Cuspidaria macrorhynchus*, E. A. Smith, Annals and Magazine of Natural History, (6) XVI. July, 1895, p. 12.

**Fig. 6.**—*Cuspidaria (Cardiomya) alcocki*, E. A. Smith, Annals and Magazine of Natural History, (6) XIV. September, 1894, p. 170.

**Figs. 7, 7a.**—\**Abra maxima*, Sowerby, Proceedings Malacological Society, 1894, Vol. I. p. 40, pl. v. fig. 5, E. A. Smith, Annals and Magazine of Natural History, (6) XIV. 1894, p. 169; and XVI. 1895, p. 10.

**Figs. 8, 8a.**—*Abra convexior*, E. A. Smith, Annals and Magazine of Natural History, (6) XVI. July, 1895, p. 10.

**Figs. 9, 9a.**—*Tellina parvula*, E. A. Smith, Annals and Magazine of Natural History, (6) XVI. July, 1895, p. 10.

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\* *Syndesmya maxima*.



1. *Cryptodon acuticarinatus*, E. A. Smith,  $\times 2\frac{1}{2}$ . 2. *Cryptodon investigatoris*, E. A. Smith,  $\times 1\frac{1}{2}$ . 3. *Lucina spinifera*, Montagu,  $\times 2\frac{1}{2}$ .  
 4. *Limopsis indica*, E. A. Smith  $\times 2$ . 5. *Cuspidaria macrorhynchus*, E. A. Smith,  $\times 3$ . 6. *Cuspidaria alcocki*, E. A. Smith,  $\times 3$ .  
 7. *Abra maxima*, Sowb,  $\times 1\frac{1}{2}$ . 8. *Abra convexior*, E. A. Smith,  $\times 3$ . 9. *Tellina parvula*, E. A. Smith,  $\times 3$ .





EXPLANATION OF PLATES.

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MOLLUSCA.  
—+—

PLATE IV.

*Figs. 1a, 1b, 1c, 1d, 1e.*—*Verticordia (Euciroa) eburnea*, Wood-Mason and Alcock, Annals and Magazine of Natural History, (6) VIII. December, 1891, p. 447.

*Figs. 2, 2a.*—*Lima (Limatula) subtilis*, E. A. Smith, Annals and Magazine of Natural History, (6) XVI. July, 1895, p. 18.

*Figs. 3, 3a, 3b.*—*Crassatella indica*, E. A. Smith, Annals and Magazine of Natural History, (6) XVI. September, 1895, p. 265.

*Figs. 4, 4a.*—*Venus juvenilis*, E. A. Smith, Annals and Magazine of Natural History, (6) XVI. July, 1895, p. 9.

*Figs. 5, 5a.*—*Cytherea (Caryatis) pudicissima*, E. A. Smith, Annals and Magazine of Natural History, (6) XIV. September, 1894, p. 169.

*Figs. 6, 6a.*—*Cryptodon philippinarum*, (Hanley), E. A. Smith, Annals and Magazine of Natural History, (6) XVI, p. 13.





1. *Verticordia (Euciroa) eburnea*, W.M. & A. 1c x 2. 2. *Lima subtilis*, E. A. Smith x 5. 3. *Crassatella indica*, E. A. Smith x 1/2.  
4. *Venus juvenilis*, E. A. Smith x 4. 5. *Cytherea (Caryatis) pudicissima*, E. A. Smith x 3. 6. *Cryptodon philippinarum*, Hanley x 2.





EXPLANATION OF PLATES.

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MOLLUSCA.  
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PLATE V.

*Figs. 1, 1a.*—*Pontiothauma mirabile*, E. A. Smith, Annals and Magazine of Natural History, (6), XVI. July, 1895, p. 2.

*Figs. 2, 2a.*—*Pontiothauma abyssicola*, E. A. Smith, Annals and Magazine of Natural History, (6), XIV. July, 1895, p. 3.



1.



1a.



2.



2a.

1. *Pontiothauma mirabile*. E. A. Smith.

2. *Pontiothauma abyssicola*. E. A. Smith.





EXPLANATION OF PLATES.

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MOLLUSCA.  
—♦—

PLATE VI.

*Figs. 1, 1a, 1b.*—*Murex malabaricus*, E. A. Smith, Annals and Magazine of Natural History, (6), XIV. September, 1894, p. 162.

*Figs. 2, 2a.*—*Pirula investigatoris*, E. A. Smith, Annals and Magazine of Natural History, (6), XIV. November, 1894, p. 367.





1. *Murex malabaricus*. E. A. Smith.

2. *Pirula investigatoris*. E. A. Smith.



Ms. - P. II, Pgs VII-VIII

1898.

EXPLANATION OF PLATES.

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MOLLUSCA.  
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PLATE VII.

**Figs. 1, 1a.**—*Pleurotoma (Ancistrosyrinx) travancorica*, E. A. Smith, Annals and Magazine of Natural History, (6) XVIII, 1896, p. 368.

**Figs. 2, 2a.**—*Pleurotoma (Surcula) profundorum*, E. A. Smith, Annals and Magazine of Natural History, (6) XVIII, 1896, p. 369.

**Figs. 3, 3a.**—*Natica (Lunatia) abyssicola*, E. A. Smith, Annals and Magazine of Natural History, (6) XVIII, 1896, p. 370.

**Figs. 4, 4a.**—*Natica (Lunatia) levis*, E. A. Smith, Annals and Magazine of Natural History, (6) XVIII, 1896, p. 370.

**Figs. 5, 5a.**—*Dentalium magnificum*, E. A. Smith, Annals and Magazine of Natural History, (6) XVIII, 1896, p. 371.

**Figs. 6, 6a.**—*Cardium (Fragum) simillimum*, E. A. Smith, Annals and Magazine of Natural History, (6) XVIII, 1896, p. 372.



1x2.



1ax2.



2x2.



2ax2.



3x3.



3ax3.



4x2.



4ax2.



5.



6x2.



5a.



6ax2.

- 1, *Pleurotoma (Ancistrosyrinx) travancorica*, E. A. Smith.    2, *Pleurotoma (Sufcula) profundorum*, E. A. Smith.  
 3, *Natica (Lunatia) abyssicola*, E. A. Smith.    4, *Natica (Lunatia) livis*, E. A. Smith.  
 5, *Dentalium magnificum*, E. A. Smith.    6, *Cardium Fragum simillimum*, E. A. Smith.





EXPLANATION OF PLATES.

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MOLLUSCA.

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PLATE VIII.

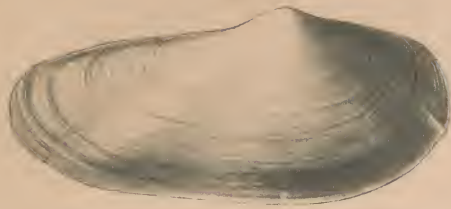
*Figs. 1, 1a, 1b, 1c.*—*Yoldia anatina*, E. A. Smith, Annals and Magazine of Natural History, (6) XVIII, 1896, p. 373.

*Figs. 2, 2a.*—*Cuspidaria approximata*, E. A. Smith, Annals and Magazine of Natural History, (6) XVIII, 1896, p. 373.

*Figs. 3, 3a.*—*Myonera bicarinata*, E. A. Smith, Annals and Magazine of Natural History, (6) XVIII, 1896, p. 374.

*Figs. 4, 4a.*—*Scrobicularia ceylonica*, E. A. Smith, Annals and Magazine of Natural History, (6) XVIII, 1896, p. 375.





1 x 1 1/2.



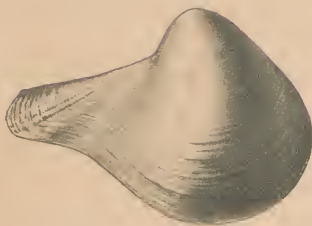
1 a x 1 1/2.



1 b x 3.



1 c x 1 1/2.



2 x 3.



2 a x 3.



3 x 3.



3 a x 3.



4 x 2.



4 a x 2.

1. *Yoldia anatina*, E. A. Smith.    2. *Cuspidaria approximata*, E. A. Smith.  
 3. *Myonera bicarinata*, E. A. Smith.    4. *Scrobicularia ceylonica*, E. A. Smith.





EXPLANATION OF PLATE.

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MOLLUSCA.  
—+—

PLATE IX.

**Figs. 1, 1a.**—*Pleurotoma optata*, E. A. Smith, *Annals and Magazine of Natural History*, series 7, Vol. IV. October, 1899, p. 238.

**Figs. 2, 2a.**—*Pleurotoma oldhami*, E. A. Smith, *loc. admodum cit.*

**Figs. 3, 3a.**—*Pleurotoma (Surcula) breviplicata*, E. A. Smith, *loc. admodum cit.*

**Figs. 4, 4a.**—*Pleurotoma (Surcula) eurina*, E. A. Smith, *tom. cit.*, p. 239.

**Figs. 5, 5a.**—*Pleurotoma (Surcula) praecipua*, E. A. Smith, *loc. admodum cit.*

**Figs. 6, 6a.**—*Pleurotoma (Surcula) arcana*, E. A. Smith, *loc. admodum cit.*



1x2.



1a x 2



2 x 1½.



2a x 1½.



3 x 2½.



3a x 2½.



4 x 1½.



4a x 1½.



5 x 2



5a x 2.



6 x 3.



6a x 3.

1. *Pleurotoma optata*. 2. *Pleurotoma oldhami*. 3. *Pleurotoma (surcula) breviplicata*. 4. *Pleurotoma (surcula) eurina*.

5. *Pleurotoma (surcula) praecipua*. 6. *Pleurotoma (surcula) arcana*.





EXPLANATION OF PLATE.

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MOLLUSCA.

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PLATE X.

**Figs. 1, 1a.**—*Drillia investigatoris*, E. A. Smith, Annals and Magazine of Natural History, series 7, Vol. IV. October, 1899, p. 240.

**Fig. 2.**—*Drillia captiva*, E. A. Smith, *loc. admodum cit.*

**Fig. 3.**—*Drillia capta*, E. A. Smith, *loc. admodum cit.*

**Figs. 4, 4a.**—*Trophon tenuirostratus*, E. A. Smith, *tom. cit.*, p. 241.

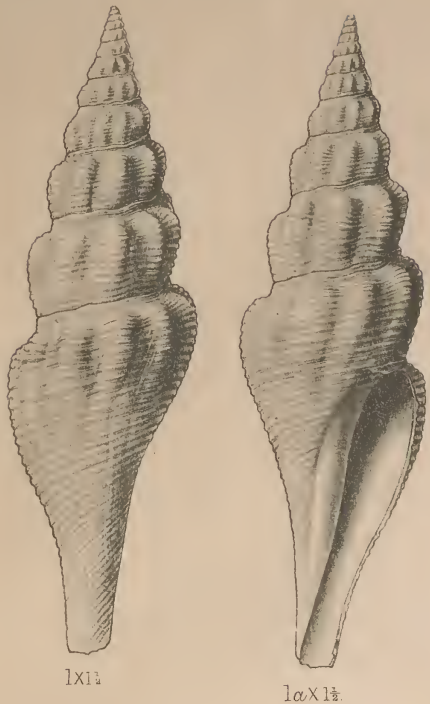
**Figs. 5, 5a.**—*Trophon indicus*, E. A. Smith, *loc. admodum cit.*

**Figs. 6, 6a.**—*Nassaria laevior*, E. A. Smith, *tom. cit.*, p. 242.

**Figs. 7, 7a.**—*Tritonidea delicata*, E. A. Smith, *loc. admodum cit.*

**Figs. 8, 8a.**—*Fusus captivus*, E. A. Smith, *loc. admodum cit.*





1x1½

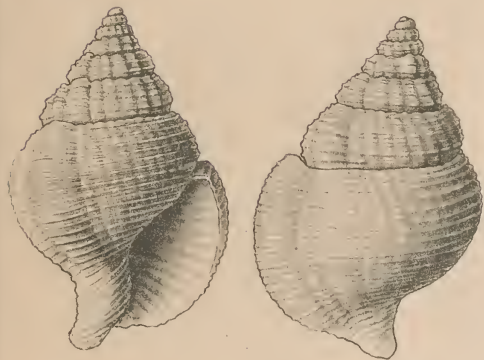
1a x 1½



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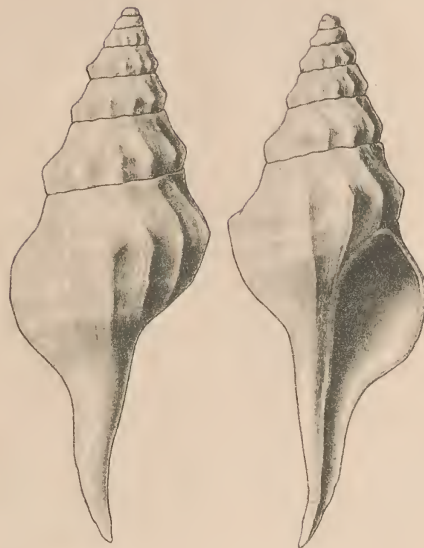


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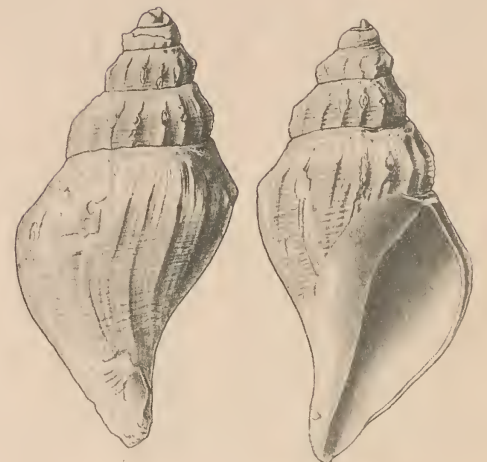
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6a x 2.



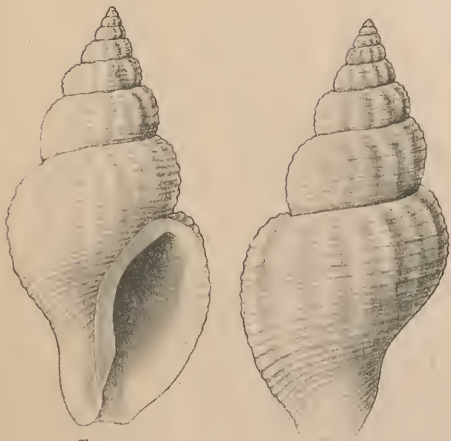
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4a x 3.



5x2.

5a x 2.

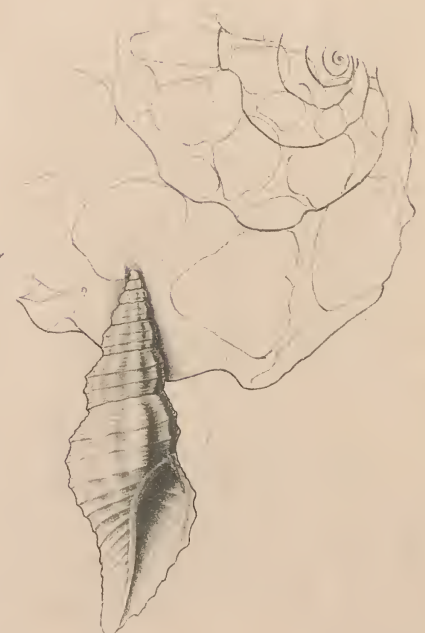


7x2.

7a x 2.



8x2½



8a x 2½

1. *Drillia investigatoris*. 2. *Drillia captiva* 3 *Drillia captiva*. 4. *Trophon tenuirostratus*. 5. *Trophon indicus*.  
 6. *Nassaria laevis*. 7. *Tritonidea delicata*. 8. *Fusus captivus*.





EXPLANATION OF PLATE.

MOLLUSCA.

PLATE XI.

*Figs. 1, 1a.*—*Pisania angusta*, E. A. Smith, Annals and Magazine of Natural History, series 7, Vol. IV, October, 1899, p. 243.

*Figs. 2, 2a.*—*Nassa aracanensis*, E. A. Smith, *loc. admodum cit.*

*Figs. 3, 3a.*—*Nassa diluta*, E. A. Smith, *loc. admodum cit.*

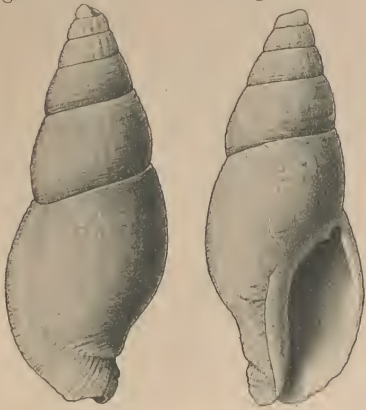
*Figs. 4, 4a.*—*Ancilla leucospira*, E. A. Smith, *tom. cit.*, p. 245.

*Figs. 5, 5a.*—*Cancellaria cretacea*, E. A. Smith, *loc. admodum cit.*

*Figs. 6, 6a.*—*Ancilla glans*, E. A. Smith, *tom. cit.*, p. 246.

*Figs. 7, 7a.*—*Columbella (Mitrella) supraplicata*, E. A. Smith, *tom. cit.*, p. 244.

*Figs. 8, 8a.*—*Coralliophila indica*, E. A. Smith, *loc. admodum cit.*



1x3.

1ax3.



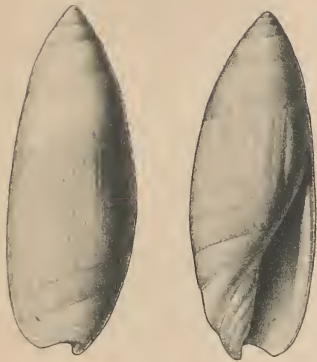
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2ax6.



3x4.

3ax4.



4x4.

4ax4.



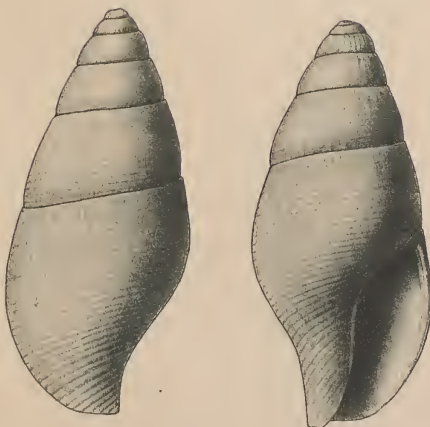
5x2.

5ax2.



6x2.

6ax2.



7x5.

7ax5.



8x2 1/2.



8ax2 1/2.

1. *Pisania angusta*. 2. *Nassa aracanensis*. 3. *Nassa diluta*. 4. *Ancilla leucospira*. 5. *Cancellaria cretacea*.

6. *Ancilla glans*. 7. *Columbella (Mitrella) supraplicata*. 8. *Coralliophila indica*.





EXPLANATION OF PLATE.

MOLLUSCA.

PLATE XII.

*Figs. 1, 1a.*—*Scalaria bengalensis*, E. A. Smith, *Annals and Magazine of Natural History*, series 7, Vol. IV, October, 1899, p. 246.

*Figs. 2, 2a.*—*Scalaria subcasta*, E. A. Smith, *loc. admodum cit.*

*Figs. 3, 3a.*—*Leptothyra delecta*, E. A. Smith, *tom. cit.*, p. 248.

*Figs. 4, 4a-c.*—*Astralium bathyraphe*, E. A. Smith, *tom. cit.*, p. 247.

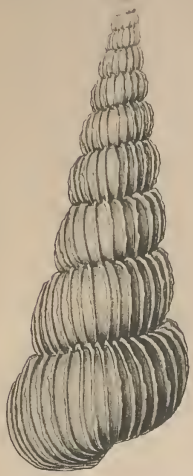
*Figs. 5, 5a.*—*Turbo incoloratus*, E. A. Smith, *loc. admodum cit.*

*Figs. 6, 6a-b.*—*Solariella oxycona*, E. A. Smith, *tom. cit.*, p. 248.

*Figs. 7, 7a.*—*Puncturella (Cranopsis) indica*, E. A. Smith, *tom. cit.*, p. 249.

*Figs. 8, 8a.*—*Fissurella delicata*, E. A. Smith, *loc. admodum cit.*





1x2½.



1a x 2½.



2 x 3.



2a x 3.



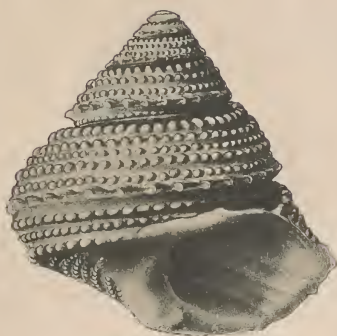
3 x 3.



3a x 3.



4 x 1½.



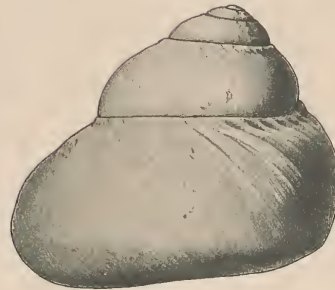
4a x 1½.



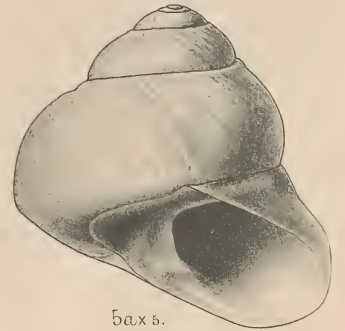
4b x 2.



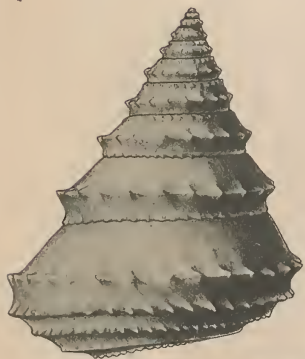
4c x 2.



5 x 5.



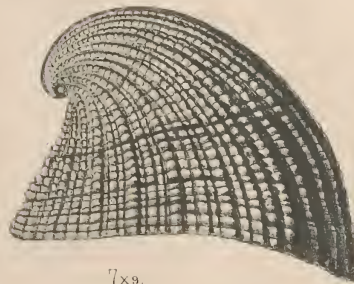
5a x 5.



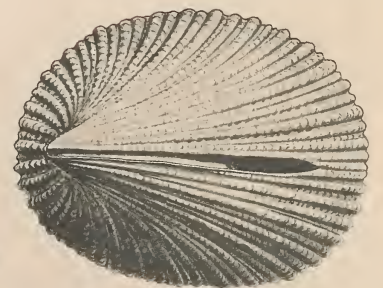
6 x 2½.



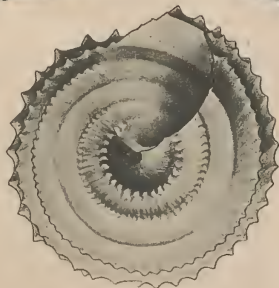
6a x 2½.



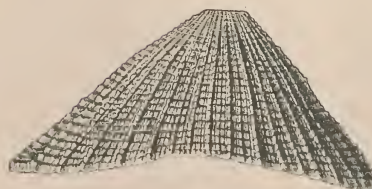
7 x 9.



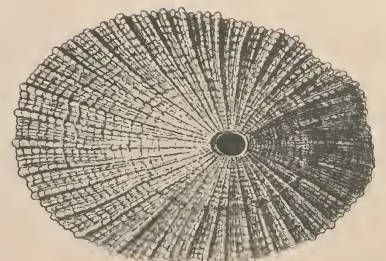
7a x 9.



6b x 2½.



8 x 2.



8a x 2.

1. *Scalaria bengalensis*. 2. *Scalaria subcasta*. 3. *Leptothyra delecta*. 4. *Astraliium bathyraphe*. 5. *Turbo incoloratus*.  
6. *Solariella oxycona*. 7. *Puncturella (Cranopsis) indica*. 8. *Fissurella delicata*.





EXPLANATION OF PLATE.

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MOLLUSCA.

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PLATE XIII.

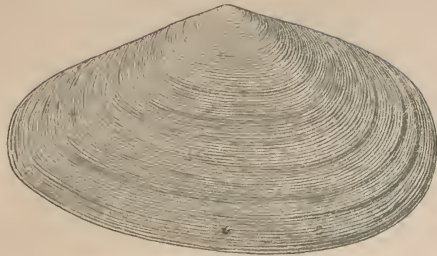
*Figs. 1, 1a.*—*Tellina travancorica*, E. A. Smith, *Annals and Magazine of Natural History*, series 7, Vol. IV, October, 1899, p. 249.

*Figs. 2, 2a.*—*Abra affinis*, E. A. Smith, *tom. cit.*, p. 250.

*Figs. 3, 3a.*—*Arca (Barbatia) incerta*, E. A. Smith, *tom. cit.*, p. 251.

*Figs. 4, 4a.*—*Lima indica*, E. A. Smith, *loc. admodum cit.*

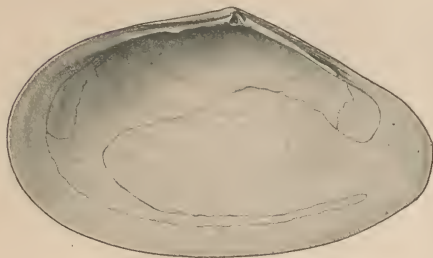
*Figs. 5, 5a.*—*Myodora quadrata*, E. A. Smith, *tom. cit.*, p. 250.



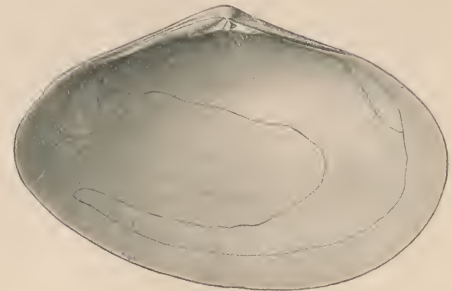
1x1½



2x2½



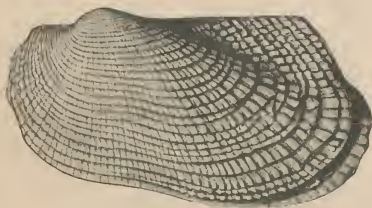
1ax1½



2ax2½



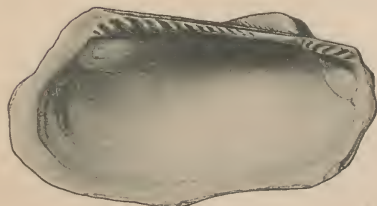
4a



3x2½



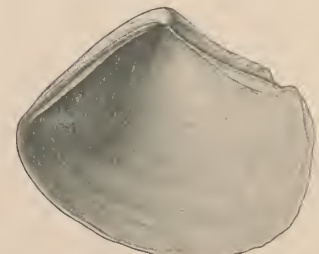
5x4



3ax2½



4



5ax4

1. Tellina travancorica. 2. Abra affinis. 3. Arca (Barbatia) incerta. 4. Lima indica. 5. Myodora quadrata.



Mod. - P. IV, P. XIV-XVIII  
1907

EXPLANATION OF PLATE.

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MOLLUSCA.

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PLATE XIV.

*Figs. 1, 1a.*—*Conus semisulcatus*, Sowerby, Proc. Zool. Soc., 1870, p. 257; and E. A. Smith, Ann. Mag. Nat. Hist., Ser. 7, Vol. XIII, June, 1904, p. 454.

*Figs. 2, 2a.*—*Pleurotoma (Surcula) margaritæ*, E. A. Smith, Ann. Mag. Nat. Hist., Ser. 7, Vol. XIII, June, 1904, p. 458.

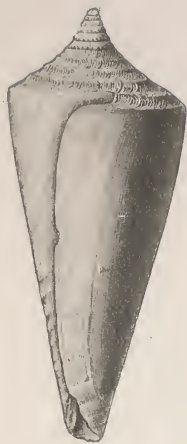
*Figs. 3, 3a.*—*Pleurotoma vagata*, E. A. Smith, *Op. cit.*, p. 456.

*Figs. 4, 4a.*—*Drillia worthingtoni*, E. A. Smith, *Op. cit.*, p. 460.





1.



1a.



2.



2a.



3.



3a.



4.



4a.

1. *Conus semisulcatus*, Sowb. x 2. 2. *Pleurotoma (Surcula) Margaritae*, E.A. Smith x 1½  
3. *Pleurotoma vagata*, E.A. Smith, x 1½. 4. *Drillia Worthingtoni*, E.A. Smith, x 4.





EXPLANATION OF PLATE.

MOLLUSCA.

PLATE XV.

*Fig. 1.*—*Latiaxis diadema* (A. Adams). E. A. Smith, Ann. Mag. Nat. Hist., Ser. 7, Vol. XIII, June, 1904, p. 466.

*Murex diadema*, A. Adams, Proc. Zool. Soc., 1853, p. 70.

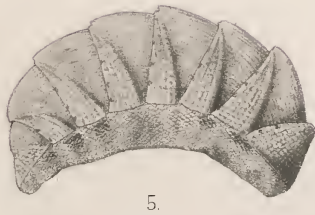
*Figs. 2, 2a.*—*Clathurella perlissa*, E. A. Smith, Ann. Mag. Nat. Hist., Ser. 7, Vol. XIII, June, 1904, p. 460.

*Figs. 3, 3a.*—*Marginella grisea* (Jousseaume). E. A. Smith, Ann. Mag. Nat. Hist., Ser. 7, Vol. XIII, June, 1904, p. 468.

*Persicula grisea*, Jousseaume, Rev. Mag. Zool., 1875, p. 268.

*Figs. 4, 4a.*—*Lacuna globosa*, E. A. Smith, Ann. Mag. Nat. Hist., Ser. 7, Vol. XIII, June, 1904, p. 472.

*Figs. 5, 5a.*—*Chiton ceylanicus*, E. A. Smith, Ann. Mag. Nat. Hist., Ser. 7, Vol. XIV, July, 1904, p. 7.



1. *Latiaxis diadema*, A. Adams, x 3. 2. *Clathurella perlissa*, E. A. Smith, x 5. 3. *Marginella grisea*, Jous, x 24. 4. *Lacuna globosa*, E. A. Smith, x 10.  
5. *Chiton ceylanicus*, E. A. Smith, x 4.





EXPLANATION OF PLATE.

—♦—  
MOLLUSCA.  
—♦—

PLATE XVI.

*Figs. 1, 1a, 1b.*—*Capulus fragilis*, E. A. Smith, *Ann. Mag. Nat. Hist.*, Ser. 7, Vol. XIV, July, 1904, p. 1.

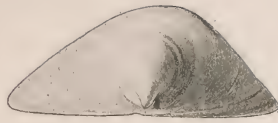
*Figs. 2, 2a.*—*Scaphander ceylanica*, E. A. Smith, *Op. cit.*, p. 5.

*Figs. 3, 3a, 3b.*—*Acmaea minutissima*, E. A. Smith, *Op. cit.*, p. 4.

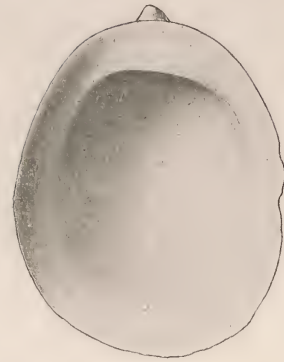




1.



1a.



1b.



2.



2a.



3.



3a.



3b.

1. *Capulus fragilis*, E. A. Smith, x 4.    2. *Scaphander ceylanica*, E. A. Smith, x 6.  
3. *Acmaea minutissima*, E. A. Smith, x 16.





EXPLANATION OF PLATE.

—♦—  
MOLLUSCA.  
—♦—

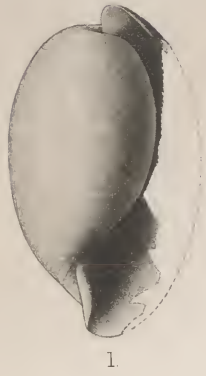
PLATE XVII.

**Figs. 1, 1a.**—*Alys submalleata*, E. A. Smith, Ann. Mag. Nat. Hist., Ser. 7, Vol. XIV, July, 1904, p. 6.

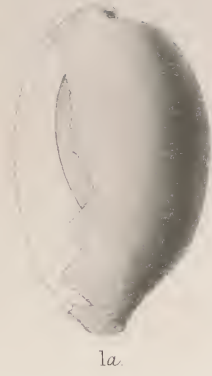
**Figs. 2, 2a.**—*Cylichna andamanica*, E. A. Smith, *Op. cit.*, p. 6.

**Figs. 3, 3a.**—*Xylophaga indica*, E. A. Smith, *Op. cit.*, p. 7.

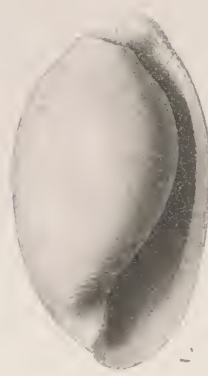
**Figs. 4, 4a, 4b, 4c.**—*Vesicomya indica*, E. A. Smith, *Op. cit.*, p. 9.



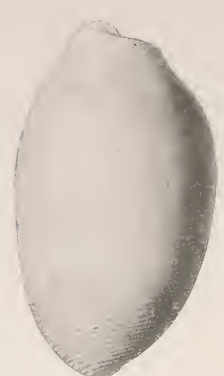
1.



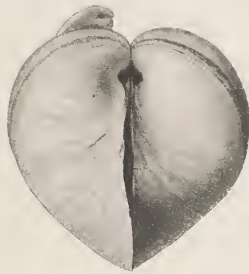
1a.



2.



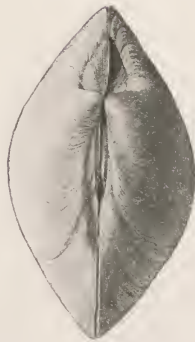
2a.



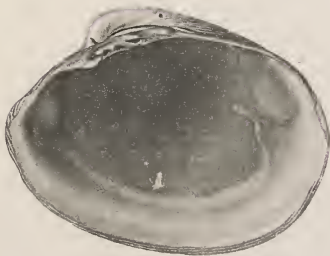
3.



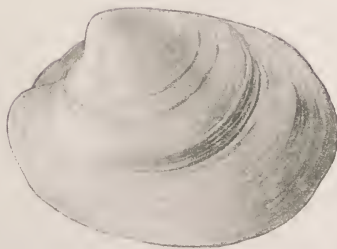
3a.



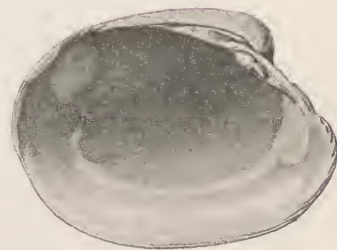
4a.



4.



4b.



4c.

1 *Atys submalleata*, E.A. Smith x 3. 2 *Cylichna andamanica*, E.A. Smith x 6. 3 *Xylophaga indica*, E.A. Smith x 3. 4 *Vesicomya indica*, E.A. Smith.





EXPLANATION OF PLATE.

—+—  
MOLLUSCA.  
—+—

PLATE XVIII.

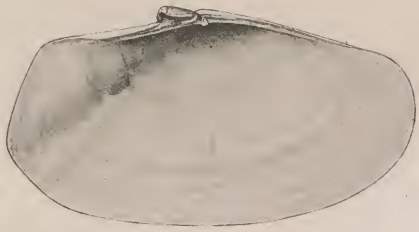
**Figs. 1, 1a.**—*Psammobia arakanensis*, E. A. Smith, Ann. Mag. Nat. Hist., Ser. 7, Vol. XIV, July, 1904, p. 10.

**Figs. 2, 2a.**—*Myrina indica*, E. A. Smith, *Op. cit.*, p. 11.

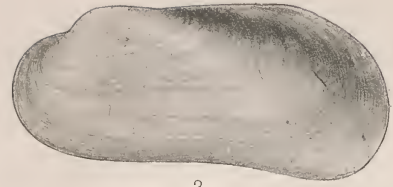
**Figs. 3, 3a.**—*Anatina andamanica*, E. A. Smith, *Op. cit.*, p. 8.

**Figs. 4, 4a, 4b.**—*Pecten alcocki*, E. A. Smith, *Op. cit.*, p. 13.

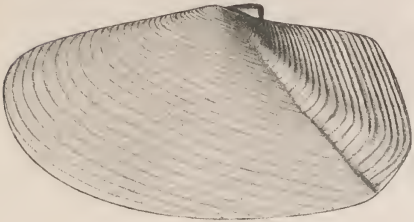




1.



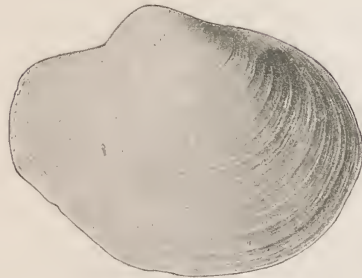
2.



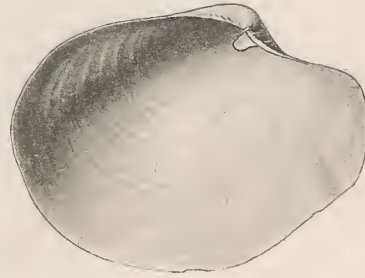
1a.



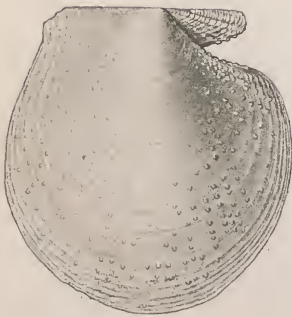
2a.



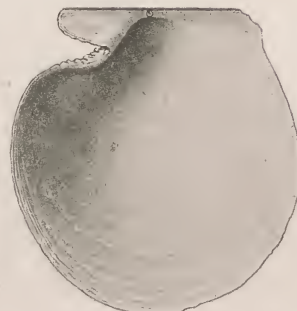
3.



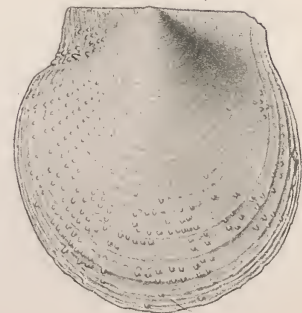
3a.



4.



4a.



4b.

1. *Psammobia arakanensis*, E. A. Smith  $\times 2$ . 2. *Myrina indica*, E. A. Smith  $\times 5$ . 3. *Anatina andamanica*, E. A. Smith  $\times 3$ . 4. *Pecten alcocki*, E. A. Smith  $\times 2\frac{1}{2}$ .



Moell. - Pt. V, Pp. XIX-XX  
1908

EXPLANATION OF PLATE.

—+—  
PLATE XIX—MOLLUSCA.  
—+—

**Figs. 1, 2.**—NATICA DIMIDIATA, E. A. Smith.

*Natica dimidiata*, *E. A. Smith, Ann. Mag. Nat. Hist.* (7), Vol. XVIII, p. 172 (1906).

**Figs. 3, 4.**—NATICA INCERTA, E. A. Smith.

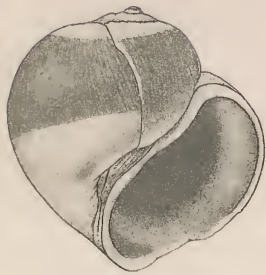
*Natica incerta*, *E. A. Smith, op. cit.*, p. 173.

**Figs. 5, 6.**—SCAPHANDER VICINUS, E. A. Smith.

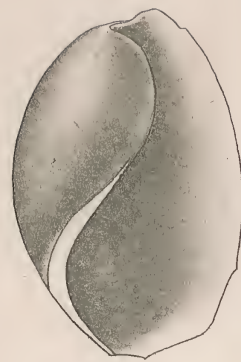
*Scaphander vicinus*, E. A. Smith, *Ann. Mag. Nat. Hist., tom. cit.*, p. 248.

**Figs. 7, 8.**—SCAPHANDER ANDAMANICUS, E. A. Smith.

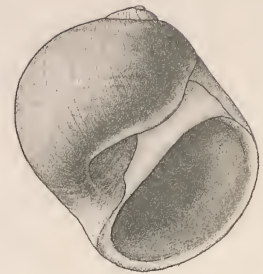
*Scaphander andamanicus*, *E. A. Smith, Ann. Mag. Nat. Hist.*, (6), Vol. XIV, p. 167, pl. IV, fig. 15 (1894); series 7, Vol. XIV, p. 5 (1904) and Vol. XVIII, p. 247 (1906).



1.



5.



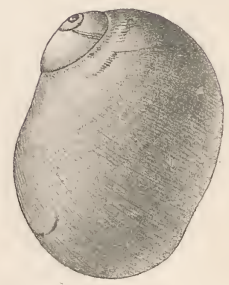
3.



2.



6.



4.



7.



8.

1.2. *Natica dimidiata*, Smith  $\times 2$ . 5.6. *Scaphander vicinus*, Smith  $\times 1\frac{1}{2}$ .  
3.4. *Natica incerta*, Smith  $\times 1\frac{1}{2}$ . 7.8. *Scaphander andamanicus*, Smith  $\times 1\frac{1}{2}$ .





EXPLANATION OF PLATE.

—+—  
PLATE XX—MOLLUSCA.  
—+—

*Figs. 1, 2.*—PLEUROTOMA (SURCULA) THISBE, E. A. Smith.  
Pleurotoma thisbe, *E. A. Smith, Ann. Mag. Nat. Hist.* (7), Vol. XVIII, p. 162 (1906).

*Figs. 3, 4.*—PLEUROTOMA CARINATA, Gray.  
Pleurotoma carinata, Gray, *E. A. Smith, Ann. Mag. Nat. Hist.* (6), Vol. XXIII, p. 368 (1896), and (7), Vol. XVIII, p. 160 (1906).

*Figs. 5, 6.*—ANCILLA ALCOCKII, E. A. Smith.  
Ancilla alcockii, *E. A. Smith, Ann. Mag. Nat. Hist.* (7), Vol. XVIII, p. 172 (1906).

*Figs. 7, 8.*—VESICOMYA BREVIS, E. A. Smith.  
Vesicomya brevis, *E. A. Smith, op. cit*, p. 261.





1.



5.



2.



7.



8.



3.



6.



4.

1 2 *Pleurotoma (surcula) thisbe*, Smith x 2.  
3 4 *Pleurotoma carinata*, Gray x 1½.

5 6 *Ancilla alcockii*, Smith x 1½.  
7 8 *Vesicomya brevis*, Smith. x 1½.





EXPLANATION OF PLATE.

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PLATE XXI--MOLLUSCA.

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**Figs. 1, 1a.**—PONTIOTHAUMA MINUS, E. A. Smith.  
Pontiothauma minus, *E. A. Smith, Ann. Mag. Nat. Hist.* (7), Vol. XVIII, p. 159 (1906).

**Figs. 2, 2a.**—PONTIOTHAUMA PACEI, E. A. Smith.  
Pontiothauma pacei, *E. A. Smith, op. cit.*, p. 159.

**Figs. 3, 3a.**—PLEUROTOMA (SURCULA) NEREIS, E. A. Smith.  
Pleurotoma (Surcula) nereis, *E. A. Smith, op. cit.*, p. 161.

**Figs. 4, 4a.**—PLEUROTOMA (SURCULA) AGALMA, E. A. Smith.  
Pleurotoma (Surcula) agalma, *E. A. Smith, op. cit.*, p. 162.

**Figs. 5, 5a.**—PLEUROTOMA (BATHYTOMA) URANIA,  
E. A. Smith.  
Pleurotoma (Bathytoma) urania, *E. A. Smith, op. cit.*, p. 164.

**Figs. 6, 6a.**—MANARIA THURSTONI, E. A. Smith.  
Manaria thurstoni, *E. A. Smith, op. cit.*, p. 167.



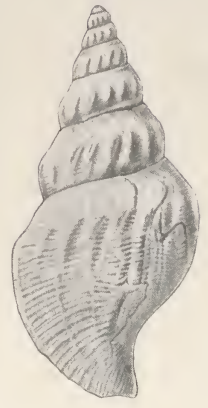
1



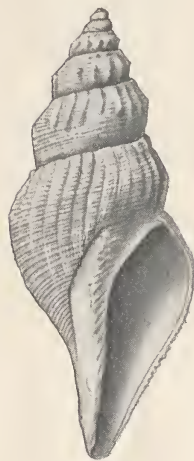
1a



2



2a



3



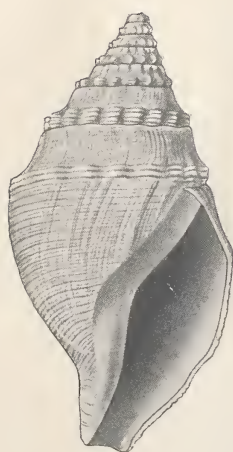
3a



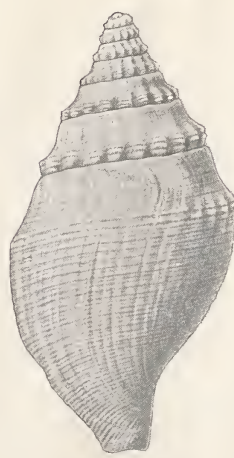
4



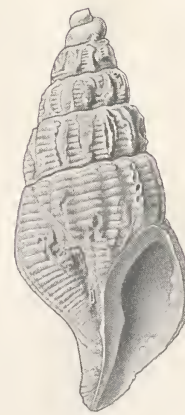
4a



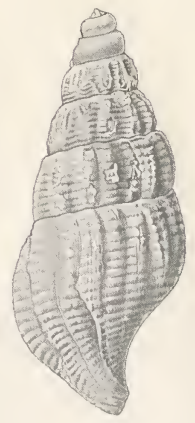
5



5a



6



6a

Half-tone.

Survey of India Offices, Calcutta, 1909.

- 1, 1a. *Pontiothauma minus*, Smith,  $\times 2$ .
- 2, 2a. *Pontiothauma pacci*, Smith.
- 3, 3a. *Pleurotoma (Surcula) nereis*, Smith,  $\times 2$ .

- 4, 4a. *Pleurotoma (Surcula) agalma*, Smith,  $\times 4$ .
- 5, 5a. *Pleurotoma (Bathytoma) urania*, Smith,  $\times 3$ .
- 6, 6a. *Manaria thurstoni*, Smith,  $\times 2$ .





EXPLANATION OF PLATE.

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PLATE XXII—MOLLUSCA.

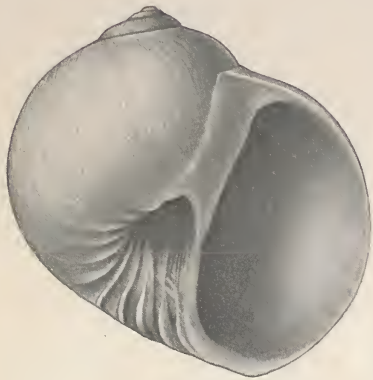
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**Figs. 1, 1a.**—NATICA SIMULANS, E. A. Smith.  
Natica simulans, *E. A. Smith, Ann. Mag. Nat. Hist.* (7),  
Vol. XVIII, p. 173 (1906).

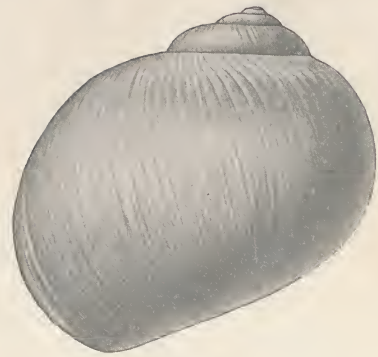
**Figs. 2, 2a.**—COLUMBELLA SUAVIS, E. A. Smith.  
Columbella suavis, *E. A. Smith, op. cit.*, p. 171.

**Figs. 3, 3a.**—TROPHON (BOREOTROPHON) PLANI-  
SPINA, E. A. Smith.  
Trophon (Boreotrophon) planispina, *E. A. Smith, op. cit.*, p. 168.





1



1a



2



2a



3



3a

Half-tone.

Survey of India Offices, Calcutta. 1909.

1, 1a. *Natica simulans*, Smith,  $\times 2\frac{1}{2}$ .

2, 2a. *Columbella suavis*, Smith,  $\times 12$ .

3, 3a. *Trophon (Borectrophon) planispina*, Smith,  $\times 2$ .





EXPLANATION OF PLATE.

PLATE XXIII—MOLLUSCA.

**Figs. 1, 1a.**—NUCULA (ACILA) GRANULATA, E. A. Smith.  
Nucula (Acila) granulata, *E. A. Smith, Ann. Mag. Nat. Hist.*  
(7), Vol. XVIII, p. 251 (1906).

**Figs. 2, 2a.**—DENTALIUM CORNU-BOVIS, E. A. Smith.  
Dentalium cornu-bovis, *E. A. Smith, op. cit.*, p. 249.

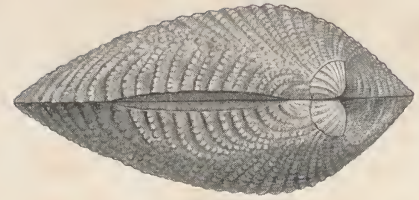
*N.B.*—Figs. 2 and 2a with Symbiotic Actinian.

**Fig. 3.**—DENTALIUM SUBCURVATUM, E. A. Smith.  
Dentalium subcurvatum, *E. A. Smith, op. cit.*, p. 251.

**Figs. 4, 4a.**—LEPIDOPLEURUS ANDAMANICUS, E. A. Smith.  
Lepidopleurus andamanicus, *E. A. Smith, op. cit.*, p. 251.



1



1a



2



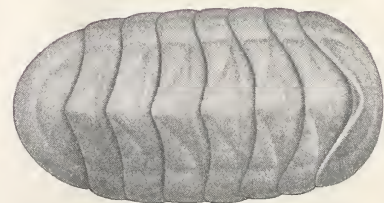
2a



3



4



4a

Half-tone.

- 1, 1a. *Nucula (Acila) granulata*, Smith,  $\times 4$ .  
 2, 2a. *Dentalium cornu-bovis*, Smith,  $\times 1\frac{1}{2}$ .

Survey of India Offices, Calcutta, 1909.

3. *Dentalium subcurvatum*, Smith,  $\times 1\frac{1}{2}$ .  
 4, 4a. *Lepidopleurus andamanicus*, Smith,  $\times 5$ .























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