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the climbing faculty, the hairy body, and skinning of the dead specimens, strongly suggest that they were large anthropoid apes. The fact that such apes, having the closest observed resemblance to the negro, being of human stature and with hairy bodies, do still exist on the west coast of Africa, renders it highly probable that such were the creatures which Hanno saw, captured, and called 'Gorullai.'"

The brief observation made by Battell in west tropical Africa, 1590, recorded in Purchas's "Pilgrimages, or Relations of the World," 1748, of the nature and habits of the large human-like ape which he calls "Pongo," more decidedly refers to the Gorilla. Other notices, as by Nieremberg and Bosman, applied by Buffon to Battell's Pongo, were deemed valueless by Cuvier, who altogether rejected the conclusions of his great predecessor as to the existence of any such ape. "This name of Pongo or Boggo, given in Africa to the Chimpanzee or to the Mandril, has been applied," writes Cuvier, "by Buffon to a pretended great species of Ourang-utan, which was nothing more than the imaginary product of his combinations." After the publication of Cuvier's 'Règne Animal,' the supposed species was, by the high authority of its author, banished from natural history; it has only been authentically reintroduced since the intelligent attention of Dr. Savage was directed to the skull which he first saw at the Gaboon in 1847, and took Professor Owen's opinion upon.

2. DESCRIPTIONS OF TWENTY-SEVEN NEW SPECIES OF LAND-SHELLS, FROM THE COLLECTION OF H. CUMING, ESQ. BY DR. LOUIS PFEIFFER.

(Mollusca, Pl. XLIII.-XLIV.)

1. *HELIX PATRICIA*, Pfr. (Pl. XLIV. fig. 4.) *T. imperforata* subdepressa, solida, carinata, superne oblique striata et irregulariter malleato-imprensa, alba; spira convexa, apice obtusa; sutura linearis; anfr. $4\frac{1}{2}$ regulariter accrescentes, convexiusculi, ultimus superne convexior, antice deflexus, infra carinam prominentem, acutam, antice funiformem minus convexus, liris spiralibus et plicis radiantibus sculptus; apertura diagonalis, rotundato-rhombea; perist. album, nitidum, expansum et breviter reflexum, marginibus callo albo junctis, columellari intrante, declivi, dilatato planiusculo.

Diam. maj. 63, min. 55, alt. 35 mill.

Hab. Unknown.

2. *HELIX FARRISI*, Pfr. (Pl. LXIV. fig. 3.) *T. imperforata*, ovato-depressa, tenuiuscula, spiraliter striata et foveolis impressis reticulata, fulva, fasciis 4 nigricantibus et maculis punctisque luteis variegata; spira brevis, conoidea, apice obtusula; anfr. vix ultra 4 rapide accrescentes, ultimus ventrosus, antice deflexus, medio impressus, castaneus; apertura perob-

liqua, truncato-ovalis; perist. albolabiatum, margine dextro expanso, columellari dilatato, plano, adnato.

Diam. maj. 35, min. 27, alt. 19 mill.

Hab. Province of Patas, Andes of Peru (Dr. Farris).

3. *HELIX PATASENSIS*, Pfr. (Pl. XLIII. fig. 6.) *T. late umbilicata, depressa, solidula, striata et foveolis minutis undique sculpta, fulvida, castaneo-unifasciata; spira vix elevata; anfr. 5½ convexiusculi, regulariter accrescentes, ultimus depresso-rotundatus, antice deflexus; apertura perobliqua, lunato-elliptica; perist. albidum, marginibus conniventibus, supero breviter expanso, basali reflexo, versus insertionem sensim dilatato.*

Diam. maj. 36, min. 29, alt. 13 mill.

Hab. Province of Patas, Andes of Peru (Dr. Farris).

4. *HELIX JASPIDEA*, Pfr. (Pl. XLIV. fig. 5.) *T. late umbilicata, depressa, carinata, solidula, oblique costulato-striata, carneo-albida, pallide corneo flammulata et subfasciata; spira vix elevata, apice cornea; sutura levis, marginata; anfr. 5 planiusculi, regulariter accrescentes, ultimus utrinque convexior, antice descendens; umbilicus fere ¼ diametri occupans; apertura perobliqua, transverse oblonga, intus carnea, albifasciata; perist. albidum, marginibus approximatis, supero recto, basali reflexo, ad insertionem dilatato.*

Diam. maj. 31, min. 26, alt. 10 mill.

Hab. Province of Patas, Andes of Peru (Dr. Farris).

5. *HELIX ENTODONTA*, Pfr. (Pl. XLIII. fig. 2.) *T. umbilicata, depressa, discoidea, solidula, dense striata, pellucida, albidohyalina; spira plana, subimmersa; anfr. 7½ convexi, angustissimi, ultimus irregularis, 4 mill. pone aperturam complanatus et intus dentibus 3 perluculentibus munitus, antice dilatatus, vix descendens; umbilicus dimidium diametri occupans; apertura diagonalis, obauriformis; perist. breviter reflexum, marginibus remotis, dextro flexuoso.*

Diam. maj. 6½, min. 5½, alt. 2 mill.

Hab. Cuenca, republic of Ecuador (Mr. Fraser).

Nearly allied to *Helix pollodonta*, Orb.

6. *HELIX VIPERA*, Pfr. (Pl. XLIV. fig. 6.) *T. peranguste umbilicata, depressa, solidula, superne irregulariter striata et dense granulata, pallide fulvida, fasciis 2 albidis rufo anguloso-maculatis (altera ad suturam, altera supra peripheriam) et inter illas strigis rufulis ornata; spira convexa, obtusa; anfr. 5 convexiusculi, ultimus subcarinatus, ad partem peripheriæ aperturae oppositam sulco 1 notatus, antice non descendens, subtus irregulariter tumidus et impressus, radiato-striatus, fasciis moniliformibus pictus; apertura diagonalis, subtriangulari-lunaris; perist. album, marginibus remotis, supero ex-*

panso, basali incrassato, subreflexo, umbilicum lamina dilatata semioccultante.

Diam. maj. 37, min. 31, alt. 18 mill.

Hab. Brazils.

7. *HELIX MONACHA*, Pfr. (Pl. XLIII. fig. 7.) *T. imperforata, globoso-conica, solida, rugoso-striata et sub lente minute granulata, castanea; spira conoideo-elevata, obtusula; anfr. 5½ modice convexi, lente accrescentes, ultimus antice vix descendens, medio obsolete subangulatus; apertura fere diagonalis, rotundato-lunaris, intus livida, nitida; perist. carneo, undique breviter expansum, marginibus remotis, columellari ad insertionem in laminam triangularem, adnatam dilatato.*

Diam. maj. 27, min. 23, alt. 19 mill.

Hab. Australia.

8. *HELIX HYSTRICELLA*, Pfr. *T. umbilicata, discoidea, tenuiuscula, subconferte costato-plicata, albido et rufo irregulariter radiata; spira plana vel medio immersa; anfr. 6 infra suturam turgidi, ultimus rotundatus, non descendens; umbilicus ⅓ diametri occupans; apertura obliqua, rotundato-lunaris, lamellis 6 acutis coarctata,—2 æqualibus in ventre anfr. penultimi, 4 in margine basali et dextro; perist. simplex, rectum.*

Diam. maj. 6, min. 5⅓, alt. 2⅓ mill.

Hab. Sandwich Islands (*Dr. Frick*).

9. *HELIX REJECTA*, Pfr. (Pl. XLIII. fig. 1.) *T. umbilicata, depressa, tenuis, striatula, nitida, fusco-cornea; spira vix elata, vertice subtili, prominulo; sutura submarginata; anfr. fere 5 vix convexiusculi, ultimus latus, depressus, circa umbilicum angustissimum vix pallidior; apertura obliqua, late lunaris; perist. simplex, rectum, margine columellari superne in laminam parvam triangularem reflexo.*

Diam. maj. 12, min. 10, alt. 5 mill.

Hab. North of China (*Mr. Fortune*).

10. *HELIX CILIOSA*, Pfr. (Pl. XLIII. fig. 8.) *T. umbilicata, depressa, tenuiuscula, carinata, striatula et pilis brevissimis obsita, diaphana, fusca; spira brevissime conoidea; anfr. fere 6 convexiusculi, lente accrescentes, ultimus carina distinctius ciliata munitus, circa umbilicum latum (⅓ diametri æquantem) subcompresso-inflatus; apertura fere diagonalis, rotundato-lunaris; perist. tenue, breviter expansum, marginibus convergentibus, columellari superne subdilatato.*

Diam. maj. 10, min. 8⅓, alt. 4 mill.

Hab. North of China (*Mr. Fortune*).

11. *HELIX BREVIBARBIS*, Pfr. (Pl. XLIII. fig. 4.) *T. umbilicata, subtrochiformis, carinata, tenuiuscula, irregulariter striata et lineis spiralibus confertis decussatula, diaphana, corneo-albida, ad carinam acutam, breviter barbatam castaneo unifas-*

ciata; spira convexoconica, acutiuscula; anfr. $6\frac{1}{2}$ fere plani, ultimus non descendens, circa umbilicum mediocrem, pervium convexior; apertura diagonalis, angulato-lunaris; perist. albidum, marginibus vix convergentibus, supero expanso, basali reflexo, ad insertionem dilatato, patente.

Diam. maj. 14, min. 13, alt. 17 mill.

Hab. North of China (Mr. Fortune).

12. HELIX PLAGIOGLOSSA, Pfr. (Pl. XLIII. fig. 3.) *T. anguste et pervie umbilicata, conoideo-semiglobosa, solida, arcuato-striata, fulvo-cornea; spira conoidea; anfr. $5\frac{1}{2}$ planiusculi, ultimus antice descendens, subtus valde constrictus, basi convexior; apertura magna, diagonalis, rotundato-lunaris; paries aperturalis dente obliquo linguæformi munitus; perist. albo-callosum, margine supero expanso, basali reflexo, bidentato—dentibus approximatis, sinistro parvulo, nodiformi, altero majore, sursum producto.*

Diam. maj. $12\frac{1}{3}$, min. 11, alt. 7 mill.

Hab. Near Oajaca, Mexico (M. Sallé).

13. HELIX APHRODITE, Pfr. (Pl. XLIV. fig. 2.) *T. imperforata, depressa, tenuis, striatula et sub lente obsolete decussatula, pellucida, nitida, pallide straminea; spira parum elevata, vertice minuto, obtuso; sutura albo-marginata; anfr. $3\frac{1}{2}$ rapide accrescentes, convexiusculi, ultimus acute albo-carinatus, antice vix descendens, constrictus, subtus convexus; apertura obliqua securiformi-lunaris; columella plana, compressa, arcuatim descendens; perist. candidum, breviter reflexum, marginibus convergentibus, supero subflexuoso, columellari dilatato, adnato.*

Diam. maj. 36, min. $27\frac{1}{2}$, alt. 15 mill.

Hab. New Caledonia.

14. BULIMUS CANDIDISSIMUS, Pfr. *T. subperforata, oblongo-turrita, solida, irregulariter striatula, nitida, candidissima; spira turrita, apice acutiuscula; anfr. $7\frac{1}{2}$ convexi, ultimus $\frac{2}{5}$ longitudinis subæquans, basi vix attenuatus; apertura vix obliqua, oblonga, intus subcarnea; perist. simplex, rectum, margine columellari verticali, sursum dilatato, sublibero.*

Long. $16\frac{1}{2}$, diam. 8 mill.

Hab. Island of Socotora.

15. BULIMUS CUENCANUS, Pfr. *T. subperforata, oblongo-turrita, solidula, cordato-costulata, pellucida, virenti-albida; spira regulariter turrita, apice obtusula; anfr. 6 convexiusculi, ultimus $\frac{1}{3}$ longitudinis subæquans, basi vix compressus; columella verticalis; apertura verticalis, truncato-ovalis; perist. simplex, rectum, margine columellari breviter reflexo, sublibero.*

Long. 8, diam. $3\frac{1}{4}$ mill.

Hab. Cuenca, republic of Ecuador (Mr. Fraser).

16. *ACHATINA LAYARDI*, Pfr. (Pl. XLIII. fig. 5.) *T. subfusi-formi-ovata, tenuis, longitudinaliter plicatula, strigis plumbeo-fuscis et rufis necnon maculis crebris fuscis sæpe pallide cinctis ornata; spira conica, obtusula; sutura leviter marginata, subrenata; anfr. fere 8 convexiusculi, superi leviter decussati, ultimus spiram superans, ventrosus, basi attenuatus; columella leviter arcuata, subtorta, late truncata, purpurea; apertura parum obliqua, angulato-ovalis, intus cærulescenti-margaritacea; perist. simplex, marginibus callo purpurascente junctis, dextro intus rubro-limbato.*

Long. 139, diam. 66 mill.

Hab. Oibo, East Coast of Africa (*Mr. Layard*).

17. *ACHATINA FULGENS*, Pfr. *T. oblongo-ovata, solidula, lævigata, pellucida, nitida, corneo-fulva; spira ovato-conica, apice obtusula; anfr. 6 convexiusculi, ad suturam anguste marginatam striatuli, ultimus $\frac{3}{4}$ longitudinis subæquans, basi rotundatus; columella perarcuata, albo-callosa, oblique sublata truncata; apertura verticalis, sinuato-elliptica; perist. rectum, obtusum.*

Long. $12\frac{1}{2}$, diam. $5\frac{2}{3}$ mill.

Hab. Unknown.

18. *OLEACINA BOUCARDI*, Pfr. *T. ovato-oblonga, tenuis, lævigata, nitida, pellucida, fulvo-cornea, varicibus nonnullis leviter impressis castaneis, antrorsum pallide marginatis, instructa; spira conica, obtusa; anfr. 6 convexiusculi, ad suturam anguste marginatam breviter plicati, ultimus spiram subæquans; columella subtorta, basi breviter truncata; apertura verticalis, sinuato-semiovalis; perist. simplex, margine dextro antrorsum arcuato.*

Long. 13, diam. 6 mill.

Hab. S. Martin, Mexico (*M. Boucard*).

19. *CYCLOSTOMA SUBCONICUM (LEPTOPOMA)*, Pfr. *T. angustissime umbilicata, globoso-conica, tenuis, liris filiformibus subconfertis cincta et striis lamellaribus oblique decussata, vix nitidula, castanea, ad suturam luteo-flammulata; spira conica, acutiuscula; anfr. 6 convexi, ultimus spira brevior; apertura parum obliqua, ovali-rotundata, intus cærulescenti-margaritacea; perist. tenue, vix expansum, marginibus approximatis. Operc. ?*

Diam. maj. $8\frac{1}{3}$, min. $7\frac{1}{3}$, alt. 7 mill.

20. *CYCLOSTOMA PRINCIPALIS (CYCLOSTOMUS)*, Pfr. (Pl. XLIV. fig. 7.) *T. aperte et mediocriter umbilicata, globoso-turbinata, solidula, liris subacutis, crebris cincta, albida, fasciis 2 violaceo-fuscis infra medium ornata; spira gradato-conica, vertice minuto, acutiusculo; anfr. 5 convexi, ultimus basi et in umbilico liris æqualibus subdistantibus munitus; apertura pa-*

rum obliqua, ovalirotundata, intus castaneo-bifasciata; perist. incrassatum et reflexiusculum, marginibus approximatis, callo lunari junctis, columellari adnato. Operc.?

Diam. maj. $21\frac{1}{2}$, min. 17, alt. 16 mill.

Hab. Madagascar.

21. — FRASERI (BOURCIERA), Pfr. (Pl. XLIV. fig. 1.) *T. obtecte umbilicata, depresso-conoideo-globosa, solidula, sub lente decussatula, fulvo-carnea; spira mediocris, conoidea, acutiuscula; anfr. $4\frac{1}{2}$ convexi, ultimus rotundatus, non adscendens, pone columellam profunde excavatus, callosus; apertura parum obliqua, angulato-ovalis, intus citrina; columella brevissima, retrorsum in dentem acutum terminata; perist. subincrassatum, albidum, æqualiter patens et reflexiusculum. Operc. tenue, corneo-purpurascens, arcuato-plicatum.*

Diam. maj. vix 11, min. $8\frac{1}{2}$, alt. $6\frac{1}{2}$ mill.

Hab. Province of Cuenca, republic of Ecuador (Mr. Fraser).

22. HELICINA INÆQUALIS (LUCIDELLA), Pfr. *T. conica, solida, oblique striata et conferte lirata (liris 5 in anfr. ultimo fortioribus, acutis), pallide flavida; spira convexo-conica, mucronata; sutura subcanaliculata, albo-marginata; anfr. 6, vix convexiusculi, ultimus basi planiusculus, spiraliter dense striatus, antice constrictus; apertura perobliqua, bisinuato-triangularis, angulo dextro rotundato; perist. album, callosum, late expansum et reflexiusculum, margine supero et basali prope insertionem unidentatis. Operc.?*

Diam. maj. $6\frac{1}{2}$, min. $5\frac{1}{2}$, alt. $4\frac{1}{2}$ mill.

Hab. Jamaica.

23. HELICINA ELECTRINA, Pfr. *T. conico-globosa, tenuis, lævigata, oleoso-micans, pellucida, corneo-lutescens; spira conoidea, acutiuscula; anfr. 5 convexiusculi, ultimus rotundatus, spira paulo altior; columella brevissima, callum emittens tenuem; apertura parum obliqua, semicircularis, ad columellam angulata et plica levi munita; perist. tenue, breviter expansum. Operc.?*

Diam. maj. 8, min. 7, alt. 6 mill.

Hab. Aru Islands.

24. HELICINA PARAENSIS, Pfr. *T. globoso-conica, tenuis, sub lente plicatulo-striata, diaphana, albido-lutescens; spira conoidea, obtusula; anfr. 5 vix convexiusculi, ultimus convexior, spiram subæquans; columella brevissima, callum emittens tenuem, diffusum; apertura obliqua, integra, semiovalis; perist. tenue, breviter expansum, margine basali prope columellam leviter sinuato. Operc. tenue, albidum.*

Diam. maj. $5\frac{1}{3}$, min. 5, alt. $4\frac{1}{3}$ mill.

Hab. Para, Brazil.

25. *HELICINA BEHNIANA*, Pfr. *T. conoideo-depressa, tenuiuscula, sub lente leviter striatula, oleoso-micans, flavida; spira regulariter conoidea, acutiuscula; anfr. 4½ vix convexiusculi, ultimus periphæria subangulatus; apertura obliqua, integra, triangulæri-semiovalis; columella brevissima, subincrassata, callum emittens tenuem, diffusum; perist. sublæte expansum, margine columellæri leviter arcuato. Operc. solidulum, concolor.*

Diam. maj. $7\frac{1}{3}$, min. $5\frac{2}{3}$, alt. $4\frac{1}{2}$ mill.

Hab. Nicobar Islands.

26. *HELICINA ARUANA*, Pfr. *T. turbinato-depressa, solidula, carinata, superne oblique striata et subregulariter lirata, lutea, albido variegata; spira conoidea, mucronulata; anfr. 4½ convexiusculi, ultimus infra carinam acutam rufo-fusciatus, subtlævevigatus; columella subtriangulæris, nitida, callum emittens latiusculum; apertura diagonalis, triangulæris; perist. tenue, vix expansiusculum. Operc.?*

Diam. maj. 11, min. $9\frac{1}{2}$, alt. 6 mill.

Hab. Aru Islands.

27. *HELICINA MINUSCULA (SCHASICHEILA)*, Pfr. *T. globoso-conica, tenuis, sublævevigata, nitida, pellucida, fulva; spira conoidea, acutiuscula; anfr. 4 convexi, ultimus ventrosus, pone columellam excavatus, callosus; apertura parum obliqua, semiovalis; perist. simplex, tenue, rectum, marginibus lamina callosa junctis, dextro superne inciso, tum arcuatim procedente, columellæri libero substricto. Operc.?*

Diam. maj. $4\frac{1}{3}$, min. $3\frac{2}{3}$, alt. 3 mill.

Hab. Unknown.

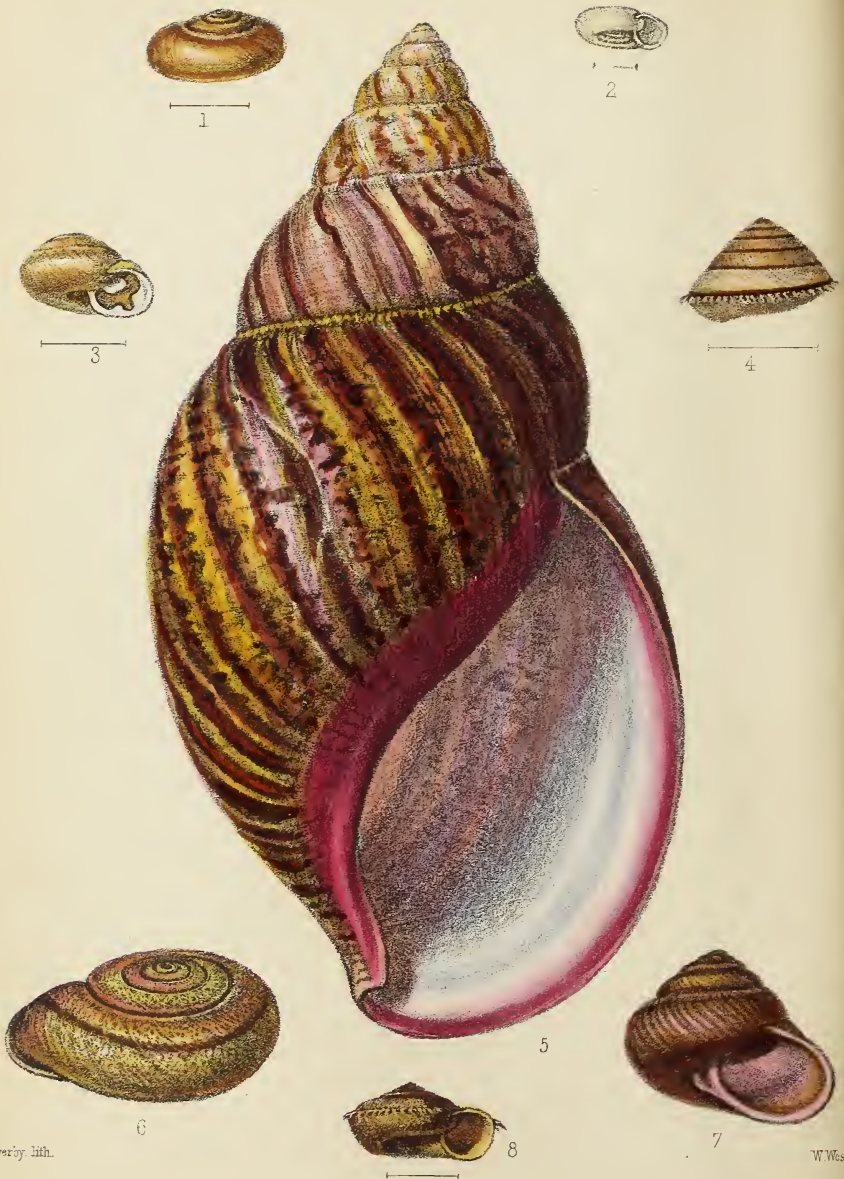
3. DESCRIPTIONS OF TWO NEW SPECIES OF MELAMPUS, FROM MR. CUMING'S COLLECTION. BY DR. L. PFEIFFER.

1. *MELAMPUS FRICKI*, Pfr. *T. subperforata, oblongo-fusiformis, solida, longitudinaliter conferte plicata, rufa; spira convexo-conica, mucronata; sutura linearis, sublæcera; anfr. 10 planiusculi, ultimus spiram paulo superans, basi compressus, medio plicis evanidis sublævevigatus; apertura angusta, basi rotundata; plica parietalis 1 compressa; plica columellæris dentiformis, extrorsum prolongata; perist. simplex, margine dextro intus plicis 5 subintransitibus munito, columellæri calloso, sublibero.*

Long. 12, diam. $5\frac{2}{3}$ mill.

Hab. Sandwich Islands (Dr. Frick).

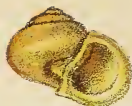
2. *MELAMPUS SCULPTUS*, Pfr. *T. subperforata, fusiformi-oblonga, solidula, superne distincte costato-plicata, saturate castanea; spira conica, mucronata; sutura distincta, subcrenata; anfr. 10-11 planiusculi, ultimus $\frac{3}{5}$ longitudinis subæquans, sub-*



G.B. Sowerby lith.

W. West imp.

1. *Helix rejecta*, *Pfr.* 2. *H. entodonta*, *Pfr.* 3. *H. pagioglossa*, *Pfr.* 4. *H. breviparbis*, *Pfr.*
5. *Achatina layardi*, *Pfr.* 6. *Helix patasensis*, *Pfr.* 7. *H. monacha*, *Pfr.*
8. *H. ciliosa*, *Pfr.*



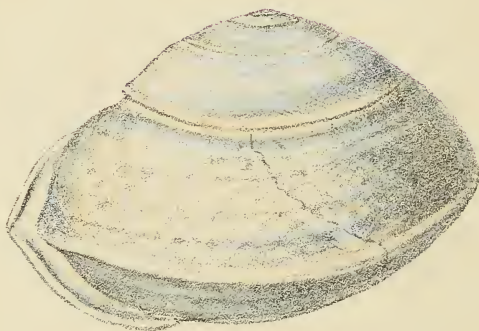
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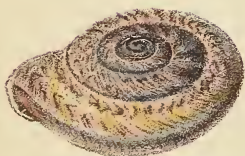
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5



6



7

G. B. Sowerby. Lith.

W. West. imp.

1. *Cyclostoma fraseri* Pfr. 2. *Helix aphrodite* Pfr. 3. *H. farusi*. Pfr. 4. *H. patricia*. Pfr.
5. *H. jaspidea*. Pfr. 6. *H. vipera* Pfr. 7. *Cyclostoma principidis* Pfr.