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PATERNOSTER ROW.

β. spira elongata, crebrius fusco-marmorata, lineis spiralibus anfract. ultimi usque ad basin conspicuis.

Long. 35, diam. 15 mill.

Hab. Cotopaxi, reipubl. Æquatoris; var. *β.* in monte Cayembe.

14. DESCRIPTIONS OF EIGHTEEN NEW SPECIES OF LAND-SHELLS,
FROM THE COLLECTION OF H. CUMING, ESQ.

By DR. L. PFEIFFER.

(Mollusca, Pl. XIII.)

1. VITRINA IRRADIANS, Pfr. *V. testa depressa, ambitu subauriformi, tenui, lineis impressis confertim arcuato-radiata, lineis irregularibus spiralibus obsolete decussata, diaphana, vix nitidula, superne cinnamomeo-cornea; spira parvula, subpapillatim elevata; sutura impressa, marginata; anfract. fere 4, planiusculis, rapide accrescentibus, ultimo depresso, basi convexiore; apertura perobliqua, lunato-subcirculari; perist. simplice, tenui, margine columellari regulariter arcuato.*

Diam. $18\frac{1}{2}$, alt. 8 mill.

Hab. in insula Ceylon.

2. VITRINA AMERICANA, Pfr. *V. testa depresso semiglobosa, tenuissima, lævigatissima, nitidissima, virenti-hyalina; spira parvula, vix elata; sutura subcrenulata; anfract. $2\frac{1}{2}$, convexiusculis, celeriter accrescentibus, ultimo subrotundato, subtus latiusculo, anguste membranaceo-marginato; apertura fere diagonalis, lunato-rotundata; perist. simplice, regulariter arcuato, margine supero antrorsum subdilatato.*

Diam. maj. 4, min. 3, alt. 2 mill.

Hab. in Rebuspublicis Fœderatis Americæ Borealis.

Forma persimilis *V. annulata*, Stud., testa lævigatissima, apertura obliqua, etc. diversa.

3. HELIX BARRAKPORENSIS, Pfr. *H. testa subperforata, elevato-trochiformi, tenui, striatula, nitida, pellucida, fusco-cornea; spira conica, acutiuscula; sutura profunda; anfract. 6, convexis, lente accrescentibus, ultimo carinato, non descendente, basi convexiusculo; apertura vix obliqua, depressa, subangulato-lunari; perist. simplice, tenui, recto, margine columellari brevi, ad perforationem punctiformem reflexiusculo.*

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

Hab. ad Barrakpore, Indiæ (*Bacon*).

4. HELIX MÜHLFELDTIANA, Pfr. *H. testa latissime umbilicata, subdiscoidea, solida, rugoso-striata, lineis elevatis spiralibus superne decussata, nigricanti-castanea; spira vix elevata, apice obtusissima; anfract. 5, planiusculis, ultimo lato, depresso, acute carinato, antice tumido, profunde deflexo, basi irregulariter compresso; apertura subhorizontali, transverse ovali, intus cærulescenti-alba; perist. simplice, marginibus conniventibus, supero recto, incumbente, basali incrassato, subreflexo.*

Diam. maj. 47, min. 37, alt. 15 mill.

Hab. in Australia.

5. *HELIX DUNKERI*, Pfr. *H. testa umbilicata, perdepressa, tenuiuscula, striata et subtilissime granulata, acute carinata, diaphana, fulva, castaneo-fasciata; spira vix elevata, apice obtusa; anfract. 4½, planis, sensim accrescentibus, ultimo antice angulatim deflexo, basi circa umbilicum mediocrem inflato, pone aperturam profunde scrobiculato; apertura horizontali, elliptico-pyriformi, dente linguaeformi, libero in ventre anfr. penultimi coarctata; perist. continuo, tenui, margine supero expanso, basali reflexo, 4-dentato, dente primo obsoletiore, transverso, juxta umbilicum, secundo erecto, compresso, tertio obliquo cum quarto profundiore basi subjuncto.*

Diam. maj. 22, min. 19, alt. 7½ mill.

Hab. in Andibus Novæ Granadæ.

6. *BULIMUS LARDEUS*, Pfr. *B. testa subperforata, oblongo-ovata, solidula, striata, lardeo-micante, rufo-cornea; spira convexo-turrata, apice obtusa; anfract. 6, convexiusculis, ultimo ⅓ longitudinis vix superante, basi subcompresso; apertura subverticali, truncato-ovali; perist. intus labiato, subangulatim patente, marginibus remotis, callo tenui juxta insertionem dextri obsolete pliciferi junctis.*

Long. 5½, diam. 2⅓ mill.

Hab. in India orientali.

7. *BULIMUS INCRASSATUS*, Pfr. *B. testa profunde rimato-perforata, ovato-pyramidata, solida, irregulariter plicata et lineis spiralibus sculpta, saturate castanea, strigis et maculis lutescentibus, incrassatis, prominentibus munita; spira conica, acutiuscula; anfract. 7, superis planiusculis, 2 ultimis inflatis, ultimo ⅔ longitudinis æquante, basi subcompresso; apertura vix obliqua, oblonga, ad columellam angulato-effusa; perist. simplice, recto, marginibus subparallelis, columellari stricto, dilatato, fornicatim patente.*

Long. 17½, diam. 8½ mill.

Hab. in insulis Galapagos.

8. *ACHATINA CARNEA*, Pfr. *A. testa ovato-oblonga, solidula, striis spiralibus et longitudinalibus (infra medium anfractus ultimi obsoletis) subtiliter decussata, diaphana, sericea, carnea; spira sensim attenuata, apice obtusa; sutura eleganter et confertim denticulata; anfract. 6 convexiusculis; ultimo spira vix breviora, basi subattenuata; columella leviter arcuata, abrupte truncata; apertura verticali, subrhombéo-semilunari; perist. simplice, recto, obtuso.*

Long. 25, diam. 11 mill.

Hab. in America centrali.

9. *DIPLOMMATINA HUTTONI*, Pfr. *D. testa sinistrorsa, subrimata, ovato-conica, eleganter confertim et oblique costulata, diaphana, albida; spira conica, acuta; anfract. 6, perconvexis; apertura subcirculari; perist. duplice, expanso.*

Long. 2½, diam. 1 mill.

This little shell belongs to the genus *Diplommatina*, founded by

Mr. Benson (Ann. and Mag. Nat. Hist. 1849, Sept.) on sufficient characters of the shell and of the animal, for *Carychium costatum*, Hutt., which I had erroneously referred to *Bulimus* under the name *B. folliculus*. The genus seems to belong to the *Auriculacea*.

10. **PTEROCYCLOS CUMINGI**, Pfr. *Pt. testa latissime umbilicata, solida, striatula, nitida, fulvo-lutea, strigis castaneis, fulguratis, bifasciatim latioribus et saturatoribus picta; spira plana; anfract. 5, convexis, ultimo terete, antice juxta penultimum in prominentiam elongatam, fornicatam, sulco circumscriptam tumefacto; apertura parum obliqua, subcirculari, intus margaritacea; perist. simplice, albo, incrassato, reflexo, superne sulco triangulari subinterrupto, in linguam inflexam tenuiusculam producto.—Operculum?*

Diam. maj. 32, min. 28, alt. 6 mill.

Hab. in insula Ceylon.

11. **PUPINA TEMPLEMANI**, Pfr. *P. testa subperforata, subfusiformi-oblonga, solidula, striata, parum nitida, non callosa, castanea; spira oblongo-turrita, apice acutiuscula; anfract. 8 planiusculis, ultimo basi acute et prominenter carinato; apertura verticali, basi subproducta; perist. continuo, aurantiaco, superne breviter adnato, margine dextro sinistroque reflexo-patentibus, basali deorsum dilatato, canaliculato: canali extus lato, intus lineari.—Operculum?*

Long. 20, diam. 7 mill.

β. *Pallide straminea, distinctius striata, perist. crassiore, albo.*

Hab. in insula Ceylon (*Capt. Templeman*).

12. **CYCLOSTOMA CHRYSALIS**, Pfr. *C. testa umbilicata, distorto-ovata, solida, striatula et punctato-malleata, fusco-carnea; spira irregulariter ovata apice conoidea, acutiuscula; sutura levi; anfract. 6, convexiusculis, penultimo latere aperturali planulato, ultimo angustiore; apertura verticali, circulari; perist. crasso, dilatato, patente, reflexo, margine supero linea horizontali adnato.—Operculum?*

Long. 16, diam. 9 mill.

Hab. Ava.

13. **CYCLOSTOMA (CYCLOPHORUS) BENSONI**, Pfr. *C. testa umbilicata, subgloboso-turbinata, solida, lineis obliquis et confertis spiralibus subtiliter decussata, albido-fulva, castaneo-variegata; spira turbinata, obtusiuscula; anfract. 5, convexis, supremis unicoloribus luridis, sequentibus flammulato-pictis, ultimo magno, obsolete angulato, ad carinam fascia nigricante et utrinque fasciis inæqualibus, castaneis ornato, circa umbilicum angustum, infundibuliformem pallido, subcompresso; apertura parum obliqua, subcirculari, intus lactea; perist. continuo, igneo-aurantiaco, breviter adnato, breviter fornicato-reflexo.—Operc.?*

Diam. maj. 43, min. 34, alt. 26 mill.

Locality unknown.

14. **CYCLOSTOMA BARCLAYANUM**, Pfr. *C. testa obtecte perforata, globoso-conica, solida, longitudinaliter confertim striatula et carinis*

multis acute elevatis munita, violacescenti-fusca, strigis saturationibus et pallidioribus variegata; spira conica, apice obtusa; anfract. 5, parum convexis, ultimo carinis 3 validioribus, prominentioribus munito: maxima mediana, secunda basali, tertia in parte supera; apertura fere verticali, subcirculari, intus livido-sanguinea; perist. sanguineo, subincrassato, expanso, ad anfractum penultimum lunatum emarginato, margine dextro carinis crenulato, columellari fornicato-reflexo, perforationem fere claudente.—Operc. testaceum, 5-spiratum, extus concavum, album.

Long. 29, diam. 23 mill.

Hab. Isle of France (Sir D. Barclay).

This shell is figured by Mr. Sowerby in the 'Thes.' t. 26. f. 118, under the name of *C. carinatum*, var.

15. *CYCLOSTOMA ELATUM*, Pfr. *C. testa umbilicata, conica, tenuiuscula, oblique striata, lineis spiralibus, distantibus, elevatis sub lente munita, vix diaphana, albida; spira conica, acutiuscula; anfract. 5½, parum convexis, ultimo convexiore, subacute carinato, basi confertius reticulato; umbilico angustissimo, non pervio; apertura diagonalis, truncato-ovali; perist. simplice, marginibus distantibus, æquilatis, angulatim patentibus, columellari subangustato.—Operc.?*

Diam. maj. 11½, min. 10, alt. 10½ mill.

Hab. in insula Ceylon.

16. *HELIX ZOLLINGERI*, Pfr. *H. testa umbilicata, subconoideo-depressa, terui, striata, castanea, pallidius variegata, diaphana, nitidula, spira breviter conoidea, obtusa; anfract. 5, vix convexiusculis, ultimo non descendente, acute carinato, subtus convexiusculo; umbilico mediocri, extus infundibuliformi; apertura perobliqua, rhomboidea; perist. simplice, acuto, recto.*

Diam. maj. 17, min. 15, alt. vix 6 mill.

Hab. in insula Java?

17. *HELIX DUPUYANA*, Pfr. *H. testa imperforata, trochiformi, solidula, subcarinata, striis obliquis incrementi et lineis longitudinalibus, confertissimis, impressis subdecussata, sericina, fulva, fasciis 2 angustis, castaneis, altera ad suturam, altera supra carinam obtusiusculam ornata; spira conoidea, vertice obtuso; anfract. 5½, planulatis, ultimo antice breviter deflexo, basi convexiusculo, antice tumido, supra carinam deflexam scrobiculato; apertura perobliqua, subtriangulari, intus margaritacea; perist. simplice, nigro-labiato, marginibus callo nigro-castaneo, supra regionem umbilicalem dilatato, junctis, dextro repando, breviter expanso, basali strictiusculo, reflexo, medio introrsum transverse subdentato, columellari brevi.*

Diam. maj. 32, min. 28, alt. 20 mill.

Hab. in ora orientali Novæ Hollandiæ.

This beautiful shell from Mr. Cuming's collection, already figured in Chemn. ed. ii. t. 124. f. 15, 16, but not described till now, was accidentally omitted in my paper of 1849.

18. CATAULUS LAYARDI, Gray. (*Pupina Templemani*, $\beta.$, Pfr. in Proc. Zool. Soc. 1851.) (Pl. XIII. fig. 6.) *C. testa subperforata, subfusiformi-oblonga, solida, distincte arcuato-striata, pallide straminea; spira oblongo-turrita, apice acutiuscula; anfr. 8, planiusculis, ultimo basi carina elevata, compressa munita, circa umbilicum angustissimum costulato; apertura verticali, subcirculari, basi canali subaperto aucta; perist. continuo, albo, superne breviter adnato, duplice: interno porrecto, externo incrassato-reflexo, basi subangulatim producto, canali extus lato, introrsum angustiore, excavato.*

Long. $17\frac{1}{2}$, diam. medio 7 mill.

Hab. Ceylon.