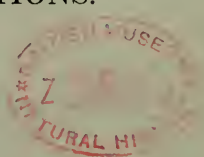


PROCEEDINGS
OF THE
ZOOLOGICAL SOCIETY
OF LONDON,
WITH ILLUSTRATIONS.

1849.

PRINTED FOR THE SOCIETY ;
SOLD AT THEIR HOUSE IN HANOVER SQUARE,
AND BY MESSRS. LONGMAN, BROWN, GREEN, AND LONGMANS,
PATERNOSTER ROW.



9. DESCRIPTIONS OF TWELVE NEW SPECIES OF VITRINA AND SUCCINEA, FROM THE COLLECTION OF H. CUMING, ESQ.
BY DR. L. PFEIFFER.

1. VITRINA LUZONICA, Pfr. *V. testá depressá, tenui, lævigatá, nitidá, pellucidá, aureá; spirá planiusculá; suturá simplice, vix impressá; anfractibus 3 sensim accrescentibus, ultimo subdepresso, peripheriá rotundato, basi lato; aperturá obliquá, lunari-ovali; peristomate tenui, margine supero antrorsum subarcuato, columellari tenuissimo, declivi.*

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

Hab. Sorsogon, insulæ Luzon (H. Cuming).

2. VITRINA VERREAUXII, Pfr. *V. testá depressá, striatuld, tenui, diaphand, parum nitente, olivaceo-fulvá; spirá subplanulatá; suturá impressá, marginatá; anfractibus $3\frac{1}{2}$ rapidè accrescentibus, ultimo depresso, basi angusto, planiusculo; aperturá perobliquá, amplá, lunari-ovali; peristomate simplice, acuto, marginibus approximatis, dextro antrorsum arcuato, columellari breviter recedente, leviter arcuato.*

Diam. maj. 13, min. 10, alt. 6 mill.

Hab. in Australiá (Verreaux).

3. VITRINA STRANGEI, Pfr. *V. testá depressá, tenuissimá, lævigatá, nitidá, fusco-vel virenti-corneá; spirá parvâ, vix convexiusculâ, vertice subtili, laterali; suturá impressá, submarginatá; anfractibus 3 vix convexiusculis, rapidè accrescentibus, ultimo supernè depresso, peripheriá rotundato, basi convexiore; aperturá obliquá, amplâ, lunari-subcirculari; peristomate simplice, obtusulo, marginibus approximatis, dextro antrorsum dilatato, columellari recedente, perarcuato, angustissimè membranaceo-marginato.*

Diam. maj. 10, min. $7\frac{1}{2}$, alt. 5 mill.

Hab. Brisbane, in orâ orientali Novæ Hollandiæ (Strange).

4. SUCCINEA ACUTA, Pfr. *S. testá oblongá, subfusiformi, tenui, distinctè striatá et minutè malleatá, nitidissimá, pellucidá, rosed, epidermide deciduá fulvá munitá; spirá subelongatá, conicâ, acutâ; suturá profundâ; anfractibus 4 convexis, ultimo $\frac{3}{5}$ longitudinis vix æquante, basi attenuato; columellâ subcallosâ, substrictè recedente; aperturá axi ferè parallelâ, oblongo-ovali, supernè angulatá; peristomate simplice, tenui, margine dextro leviter arcuato.*

Long. 20, diam. $9\frac{1}{2}$, alt. 7 mill.; ap. 12 mill. longa, medio 7 lata.

Hab. in Britanniâ, prope Scarborough.

It is impossible to join this beautiful shell to any of the varieties of *S. putris*, from which it differs by its colour, by the elongated and sharply-pointed spire, whorls more convex, nearly straight columella, and oblong-ovate aperture.

5. SUCCINEA SUBGRANOSA, Pfr. *S. testá elliptico-ovatá, tenui,*

subgranulato-striatâ, diaphand, parum nitidâ, pallide corned; spirâ brevi, obtusiusculâ; anfractibus vix 3 convexis, ultimo basi attenuatâ; columellâ substrictè recedente, supernè leviter callosâ; aperturâ parum obliquâ, subangulato-ovali, intus nitidissimâ; peristomate simplice, acuto, margine dextro mediocriter arcuato.

Long. $8\frac{1}{2}$, diam. 5, alt. ferè 4 mill.; ap. 6 mill. longa, 4 lata.

Hab. Kurmant, Indiæ, varietas ventrosior, albida prope Calcutta.

6. *SUCCINEA INDICA*, Pfr. *S. testâ depressè oblongâ, tenuissimâ, longitudinaliter plicatâ, pellucidâ, pallide corned; spirâ brevi, obtusiusculâ; anfractibus vix 3, penultimo convexiusculo, ultimo $\frac{2}{3}$ longitudinis æquante; columellâ substrictè ferè ad basin recedente, supernè calloso-marginatâ; aperturâ axi ferè parallelâ, basi recedente, ovali-oblongâ, angulatâ, intus nitidissimâ; peristomate acuto, margine dextro leviter arcuato.*

Long. 17, diam. $7\frac{1}{2}$, alt. 6 mill.; ap. 12 mill. longa, infra medium 7 lata.

Hab. Bleensal, Indiæ.

7. *SUCCINEA BENSONI*, Pfr. *S. testâ ovato-conicâ, tenui, regulariter confertim striatâ, pellucidâ, sericinâ, luteo-corned; spirâ conicâ, acutiusculâ; anfractibus 3, penultimo convexiusculo, ultimo $\frac{2}{3}$ longitudinis æquante; columellâ callo tenui indutâ, vix arcuatâ, recedente; aperturâ ovali; peristomate tenui, margine dextro mediocriter arcuato.*

Long. 8, diam. 5, alt. $3\frac{1}{2}$ mill.; ap. 5 mill. longa, 3 lata.

Hab. Moradabad, Indiæ (Mr. Benson).

8. *SUCCINEA PICTA*, Pfr. *S. testâ semiovatâ, tenuissimâ, longitudinaliter striatâ et irregulariter plicatâ, pellucidâ, nitidissimâ, rubenti-fulvâ, roseo-albido strigatâ; spirâ minimâ, papillatâ; suturâ levi; anfractibus $2\frac{1}{2}$, ultimo inflato, anticè lineis impressis spiralibus notato; columellâ supernè subcallosâ, recedente, leviter arcuatâ; aperturâ amplâ, parum obliquâ, angulato-ovali, intus rubenti-fulvâ; peristomate simplice, ad insertionem subinflexo.*

Long. 17, diam. 11, alt. 7 mill.; ap. 15 mill. longa, medio 9 lata.

Hab. Diana Peak, insulæ St. Helenæ. (On the leaves of cabbage-trees.)

9. *SUCCINEA SALLEANA*, Pfr. *S. testâ depressè ovatâ, tenuissimâ, striatâ, lineis spiralibus impressis irregulariter notatâ, pellucidâ, nitidâ, corneo-albidâ; spirâ brevissimâ, subpapillatâ; anfractibus $2\frac{1}{2}$, penultimo convexo, ultimo $\frac{3}{4}$ longitudinis superante; columellâ subcallosâ, strictè recedente; aperturâ axi subparallelâ, angulato-ovali; peristomate submarginato, margine dextro vix arcuato.*

Long. 19, diam. 10, alt. 7 mill.; ap. 16 mill. longa, infra medium 9 lata.

Hab. New Orleans (Mr. Sallé).

10. *SUCCINEA PUSILLA*, Pfr. *S. testá ovatá, tenui, striatúlá, sub lente obsolete decussatá, diaphaná, parum nitidá, pallide corned; spirá brevi, acutiusculá; anfractibus 2½, penultimo convexo, ultimo ⅔ longitudinis æquante; columellá vix arcuatá, recedente; aperturá obliquá, ovali; peristomate simplice, margine dextro supernè subincurvato, tum strictiusculo.*

Long. $4\frac{2}{3}$, diam. 3 mill.; ap. $3\frac{1}{4}$ mill. longa, 2 lata.

Hab. Ceara, in Americâ meridionali.

11. *SUCCINEA RUBICUNDA*, Pfr. *S. testá ovatá, tenui, striatúlá, sub lente obsolete granulosá, diaphaná, parum nitidá, luteo-rubescente; spirá brevi, sanguineá, subpapillatá; anfractibus 2½ convexis, ultimo inflato; columellá callosá, substrictè recedente; aperturá parum obliquá, angulato-ovalis, intus nitidissimá; peristomate simplice, margine dextro regulariter arcuato.*

Long. 14, diam. 8, alt. 5 mill.; ap. $10\frac{1}{2}$ mill. longa, medio 6 lata.

Hab. in insulá Masafuera (Cuming).

12. *SUCCINEA SOLIDULA*, Pfr. *S. testá depressè ovatá, solidulá, longitudinaliter subplicatá, sub lente minutissimè granulatá, vix diaphaná, parum nitidulá, fulvá; spirá brevi, scalari, apice papillatá, rubicundá; anfractibus 2½ convexis, ultimo inflato, ⅔ longitudinis æquante; columellá substrictè descendente, callosá; aperturá oblongá, intus submargaritacéá; peristomate submarginato, marginibus callo tenui junctis, dextro supernè arcuato, tum strictiore.*

Long. 12, diam. 7, alt. $5\frac{1}{2}$ mill.; ap. $8\frac{1}{2}$ mill. longa, 5 lata.

Locality unknown.

The form of this shell is most nearly approaching to *Succinea campestris*.

10. DESCRIPTIONS OF THIRTY NEW SPECIES OF TORNATELLINA, CYLINDRELLA, AND CLAUSILIA, FROM THE COLLECTION OF H. CUMING, ESQ. BY DR. L. PFEIFFER.

1. *TORNATELLINA CUMINGIANA*, Pfr. *T. testá ovato-oblongá, solidá, striatúlá, epidermide olivaceo-lutescente indutá; spirá elongato-conicá, apice acutá; anfractibus 5½ vix convexiusculis, ultimo ¾ longitudinis subæquante; columellá subarcuatá, distinctè et obliquè truncatá; pariete aperturali lamellá magná, horizontaliter intrante munito; aperturá semiovali, intus callosá; peristomate simplice, acuto.*

Long. 8, diam. $3\frac{2}{3}$ mill.; ap. $3\frac{2}{3}$ mill. longa, medio $1\frac{2}{3}$ lata.

Hab. in Real Llejos (H. Cuming).

2. *CYLINDRELLA SERICEA*, Pfr. *C. testá profundè rimatá, subcylindraceá, truncatá, solidulá, subtilissimè striatúlá, diaphaná, hyalino-albidá, supernè fuscescente; suturá albo-filosá; anfractibus 9 angustis, subæqualibus, vix convexiusculis, ultimo non protracto, basi cariná funiformi munito; aperturá subobliquá,*