

the two sorts interbreeding, though the nest and eggs are precisely similar."

In conclusion we beg to state that we by no means wish positively to deny the occurrence of the true *H. cahirica* in Europe. On the contrary we believe it very possibly does occur within European limits; but at the same time all the so-called European specimens of *H. cahirica* that we have seen have been *H. rustica* in spring dress. We shall be most glad to receive any authentic specimens of *H. cahirica* from any part of Europe, that we may be certain on the subject before including it in our 'Birds of Europe.'

## 6. Descriptions of Forty-eight new Species of Shells.

By G. B. SOWERBY, F.L.S.

(Plates XXI., XXII.)

### CRASSATELLA SUBQUADRATA.

*C. testa oblongo-subquadrata, valde compressa, solida, pallide rubescente, castaneo obscure radiata, ad umbones purpureo biradiata, intus albida, extus concentricè minute striata, liris angulatis subdistantibus, ad angulum quadratis sculpta; latere postico longiusculo, obtuse angulato, post angulum complanato, margine dorsali recto, subdeclivi; latere antico breviusculo; margine dorsali utrinque concavo-complanato; margine interno levi.*

*Hab.* Agulhas Bank, S. Africa.

*Mus.* Taylor.

### CRASSATELLA FOVEOLATA.

*C. testa obliqua, crassa, tumida, rostrata, pallida, castaneo maculata, intus partim castanea, extus costellis validis rotundis subdistantibus medio tumidiusculis concentricis lirata, interstitiis profundis; latere postico oblique producto, elevatim angulato, eleganter rostrato, post angulum castaneo; umbonibus elevatis, prominentibus, acutis, margine dorsali utrinque declivi, excavato; margine interno denticulato; epidermide fusca.*

*Hab.* China Seas.

*Mus.* Taylor.

This shell resembles *C. sulcata*, but differs from it in being more pointedly beaked and more distantly and deeply grooved. All the ridges in this species follow the lines of growth; but in *C. sulcata* they become excentric towards the margin.

### CRASSATELLA CREBRILIRATA.

*C. testa ponderosa, obliqua, subcompressa, pallide fulvescente, obscurissime radiata, umbones versus rubescente, intus pallidissime rosacea; latere postico oblique producto, angulato, post angulum complanato, margine terminali oblique truncato; latere antico*

*obliquis; labio crasso, intus subcrenato, extus reflexo, planato-marginato.*

*Hab.* — ?

**MITRA MEDIOMACULATA.**

*M. testa columbelliformi, rubra, supra et infra late castaneo fasciata, medio anfractuum fascia alba, rubro undatim maculata; spira breviuscula, acuminata; anfractibus brevibus, superne longitudinaliter crebriliratis, ultimo infra sulcato.*

*Hab.* Mauritius.

*Mus.* Taylor.

**CONUS LATERCULATUS. (Pl. XXII. fig. 3.)**

*C. testa elongato-subcylindracea, liris complanatis duplicatis, maculis quadratis ornatis cincta et maculis magnis latis trifasciata; sulcis intermediis albis; spira concavo-acuminata, anfractuum angulo acute unilirato, punctis fuscis, parvis, regularibus ornato; anfractibus spiræ concavis, spiraliter striatis, minutissime cancellatis, flammis fuscatis maculatis.*

*Hab.* — ?

Beautifully tessellated with square, regular brown spots; and sculptured with white grooves between duplicate ridges.

**CONUS SUBMARGINATUS. (Pl. XXII. fig. 6.)**

*C. testa parva, angusta, albida, nitida, antice attenuata, sulcis acutis numerosis cincta; lateribus vix convexis; anfractibus ad angulum lira unica marginatis; apertura angusta, labio medio convexiusculo.*

*Hab.* — ?

*Mus.* Taylor.

**CONUS PLANILIRATUS. (Pl. XXII. fig. 1.)**

*C. testa subturbinata, usque ad angulum spiraliter subdistanter sulcata (infra profundius), maculis oblongo-quadratis et macularum undatarum fasciis tribus cincta, infra angulum tumidiuscula, angulo acuto; spira subconvexa, prope apicem acuminata, flammis fuscis subspiraliter continuis ornata, spiraliter striata et minutissime cancellata.*

*Hab.* — ?

**CONUS SUFFUSUS. (Plate XXII. fig. 9.)**

*C. testa turbinata, solida, pallida, roseo pallidissime suffusa et obscurissime fasciata, spiraliter striata; spira lata brevi, angulo obtuso, undulato.*

*Hab.* New Caledonia.

This shell has no very remarkable characters, yet is quite unlike any other Cone on the whole. Its colour is a delicate rose-blush on a creamy ground.

CONUS MITRÆFORMIS, VAR. PUPÆFORMIS. (Pl. XXII. fig. 2.)

*C. testa angusta, cylindrica, albida, obscurissime striata.*

*Hab.* Mauritius.

The more cylindrical form and more produced spire of specimens recently brought from the Mauritius, as compared with the original and subsequently published figures, led at first to the belief that they represented a distinct species. Most of the old specimens in cabinets agree with Bruguière's figure, being thick at the upper part and granulated. The new variety is finely striated, with the colouring more continuous.

CONUS TURRITUS. (Pl. XXII. fig. 14.)

*C. testa elongata, tenui, utrinque eleganter pyramidata, rosea, flammulis rubescentibus infra medium interruptis ornata, ad basim acuminata, striata; spira producta, gradata, acuminata; anfractibus obscurissime undatis, acutissime angulatis, concavis, apice mamillato; apertura rosea, labio postice profunde sinuato.*

*Hab.* Agulhas Bank, S. Africa.

At first sight, this Cone is slightly suggestive of *C. papillaris*, but it has straight sides, a much more elevated and turreted spire, of which the sharply angulated whorls are not coronated, only very obscurely undated.

CONUS FLORIDENSIS. (Pl. XXII. fig. 11.)

*C. testa solida, subfusiformi, alba, lævi, ad angulum lata, infra angulum fascia latissima subaurea longitudinaliter flammulata et maculis fuscis lineatim dispositis cincta; spira pyramidalis, gradata, producta, flammis castaneis brevibus ornata; apertura angusta, labio postice profunde sinuato.*

*Hab.* Florida (Mr. Waters).

A beautifully coloured shell, with moniliform markings, somewhat resembling *C. delessertianus* in general appearance.

CONUS TEGULATUS. (Plate XXII. fig. 12.)

*C. testa subangusta, distanter et æqualiter sulcata, inter sulcos planilirata, super sulcos maculis linearibus in fasciis duabus majoribus longitudinaliter flammulata, sulcis concentricè sculptis; spira concavo-acuminata, angulo acuto; anfractibus spiraliter striatis et concentricè cancellatis.*

*Hab.* China Seas.

The chestnut linear spots, arranged in longitudinal flame-like bands, and thickened in two spiral bands, give a tessellated appearance to this pretty little sulcated shell.

CONUS TENUISULCATUS. (Pl. XXII. fig. 10.)

*C. testa parva, acuminata, medio et infra tenuiter et distanter sulcata, albida, griseo fasciata, maculis castaneis seu fulvis medio et infra bifasciata; spira acuminata; anfractibus angulatis, maculatis.*

*Hab.* ———?

Differing from other shells of similar general appearance in the narrow sulci of the middle and lower part of the last whorl.

CONUS CORRUGATUS. (Pl. XXII. fig. 7.)

*C. testa parva, acuminata, liris duplicatis, subrugosis, granulatis et interstitiis minutissime sculptis cincta; supra et infra medium pallide griseo fasciata, strigis minutis fuscatis variegata; spira acuminata; anfractibus cancellatis, acute angulatis, angulis concinne fusco punctatis.*

*Hab.* —?

A more slender and much more finely sculptured shell than *C. verrucosus*, with the edges of the whorls neatly spotted with brown.

CONUS SOWERBYI, var. SUBÆQUALIS. (Pl. XXII. fig. 5.)

*C. testa utrinque subæqualiter acuminata, medio acutangula.*

*Hab.* China Seas.

Described at first for this paper as a new shell, being remarkable for the length of its spire. It resembles *C. præcellens* in form, but with less numerous ribs, and having the interstices very beautifully sculptured. The spire nearly equals the body of the shell in length. In *C. acutangulus* the sulci are few, and the intervening spaces flat.

CONUS SEMISULCATUS. (Pl. XXII. fig. 13.)

*C. testa parva, utrinque acuminata, lævigata, fumeo-fuscata, infra medium distanter plano-sulcata, versus extremitatem acuminatim coarctata; spira acutissime angulata, concavo-acuminata; anfractibus plano-concavis, versus apicem moniliferis.*

*Hab.* —?

A little brown shell with whorls beaded near the apex.

CONUS GEMMULATUS. (Pl. XXII. fig. 8.)

*C. testa parva, albida, utrinque subæqualiter acuminata, costellis rotundis subrugosis lirata, interstitiis profundis, striis tenuibus longitudinaliter sculpta; spira exserta, producta, valde acuminata; anfractibus numerosis, papillis rotundis regularibus gemmuliformibus coronatis; apertura angusta, labio postice profunde sinuato.*

*Hab.* China Seas.

A most wonderful fusiform little Cone, with a very produced spire, the whorls of which are beautifully beaded with gem-like papillæ.

CONUS RARIMACULATUS. (Pl. XXII. fig. 4.)

*C. testa albida, acute angulata, lævigata, hic illic castaneo maculata; spira obscure cancellata, acuminata, flammulis castaneis picta.*

*Hab.* China Seas.

A whitish smooth shell, with very few spots of chestnut.

STROMBUS MIRABILIS. (Pl. XXI. fig. 4.)

*S. testa elongato-fusiformi, ad spiram et anfractum ultimum casta-*

to be unique; but it differs materially in form, the spire being much longer than the body-whorl. It also has longitudinal ridges, and is much more neatly and regularly marked.

MITRA INTERSTRIATA.

*M. testa fusiformi, acuminata, costis distantibus lævigatis longitudinalibus et striis spiralibus interstitialibus sculpta, albida; anfractu ultimo in medio aureo latifasciata, supra et infra fasciam inter costas rubro maculato.*

*Hab.* China Seas.

*Mus.* Taylor.

MITRA DIMIDIATA.

*M. testa brevi, liris distantibus, lævigatis, rotundis, longitudinalibus, et striis elevatis spiralibus interstitialibus sculpta; spira et anfractu ultimo usque ad medium albis, infra aurantiacis.*

*Hab.* —? —?

*Mus.* Taylor.

MITRA UMBONATA.

*M. testa brevissima; spira anfractum ultimum longitudine æquante, alba, turrita; anfractibus supra medium angulatis, costis acute bituberculatis armatis; anfractu ultimo ad medium rubro late cingulato, costis paucis supra acute bituberculatis infra crenulatis et supra canalem costa spirali tuberculata armato.*

*Hab.* —? —?

*Mus.* Taylor.

DESCRIPTION OF THE PLATES.

PLATE XXI.

- Fig. 1 *a, b.* *Typhis duplicatus*, Sowb., p. 251.  
 2. *Eburna perforata*, Sowb., p. 252.  
 3. *Turritella excavata*, Sowb., p. 252.  
 4. *Strombus mirabilis*, Sowb., p. 257.  
 5. *Solenella subæqualis*, Sowb., p. 250.

PLATE XXII.

- Fig. 1. *Conus planiliratus*, Sowb., p. 255.  
 2. — *mitraformis*, Brug., var. *pupaformis*, Sowb., p. 256.  
 3. — *laterculatus*, Sowb., p. 255.  
 4. — *rarinaculatus*, Sowb., p. 257.  
 5. — *sowerbyi*, Rve., var. *subæqualis*, p. 257.  
 6. — *submarginatus*, Sowb., p. 255.  
 7. — *corrugatus*, Sowb., p. 257.  
 8. — *gemmulatus*, Sowb., p. 257.  
 9. — *suffusus*, Sowb., p. 255.  
 10. — *tennisulcatus*, Sowb., p. 256.  
 11. — *floridensis*, Sowb., p. 256.  
 12. — *tegulatus*, Sowb., p. 256.  
 13. — *semisulcatus*, Sowb., p. 257.  
 14. — *turritus*, Sowb., p. 256.



