

I have taken as many as thirty-four perfect shells from one cup, showing that they are prolific.

They fix these cups in indentations and crevices and under overhanging parts of the rocks, and *invariably on that side least exposed to the fury of the waves*; and this circumstance shows that even in this animal the Great Author of all has implanted a sense of guarding its young from injury, proving his superintending care over all his creatures.

The accompanying drawings will illustrate the above statement:—

PLATE I. A.

Fig. 1. Nidi taken from under the whelk when in the act of forming it.

— 2. Nidi after the escape of the young.

— 3. Magnified view of the upper part or operculum when left by the whelk.

IX.—*Descriptions of Chalcidites discovered near Conception, in South America, by C. Darwin, Esq.* By FRANCIS WALKER, F.L.S.

Lamprotatus Alcander, Mas. *Aneo-viridis cupreo et cyaneo varius, antennæ fulvæ, pedes fulvi, alæ limpidae.*

Corpus breve, robustum, convexum, æneo-viride, nitens, scitissime squameum, parce hirtum : caput transversum, breve, viride, thorace paullo latius ; vertex latus, frons impressa, abrupte declivis : oculi rufi, mediocres, non extantes : antennæ fulvæ, subfiliformes, thorace non longiores ; articulus 1^{us} nigro-viridis, longus, gracilis ; 2^{us} longicyathiformis ; 3^{us} et 4^{us} brevissimi ; 5^{us} et sequentes usque ad 10^{um} breves, approximati, subæquales ; clava longiconica, compressa, acuminata, articulo 10^o duplo longior : thorax ovatus, cupreo-æneus : prothorax brevissimus : mesothoracis scutum cyaneo-viride, longitudine latius ; parapsidum suturæ bene determinatæ, postice approximatae ; scutellum subrotundum : paraptera et epimera magna : metathorax mediocris, obeonicus, declivis : petiolus sat longus : abdomen breviovatum, cupreo-varium, supra planum, basi cyaneo-viride, thorace multo brevius ; segmentum 1^{um} magnum, 2^{um} et sequentia brevia : pedes fulvi, simplices, subæquales ; coxæ virides ; tarsi apice fuscii : alæ amplæ, limpidae ; squamulæ fusæ ; nervi fulvi ; nervus humeralis ulnari fere duplo longior, radialis ulnari non brevior, cubitali multo longior ; stigma minutum. (Corp. long. lin. 1 ; alar. lin. 2.)

Gastrancistrus Cophalon, Fem. *Cupreus, antennæ nigrae, pedes lutei, femora basi nigra, alæ limpidae.*

Corpus cupreum, convexum, nitens, scitissime squameum, parce hirtum : caput transversum, breve, thorace latius ; vertex latus ; frons impressa, abrupte declivis : oculi rufi, mediocres, non extantes : antennæ subclavatae, nigrae, sat graciles, submoniliformes, thorace non longiores ; articulus 1^{us} longus, sublinearis ; 2^{us} cyathiformis ; 3^{us} et 4^{us} minimi ; 5^{us} et sequentes usque ad 10^{um} breves, approximati, subæquales ; clava longiconica, acuminata, articulo 10^o plus duplo longior : thorax ovatus : prothorax transversus, mediocris, antice angustus : mesothoracis scutum longitudine latius ; parapsidum suturæ bene determinatæ, postice approximatae ; scutellum subconicum : metathorax brevis, postice angustus : petiolus brevissimus : abdomen ova-

tum, læve, supra planum, subtus carinatum, apice acuminatum, thorace paulo brevius: pedes lutei, simplices, subæquales; coxæ virides; femora basi nigra; tarsi apice fuscii: alæ limpidae; squamulæ piceæ; nervi fulvi; nervus humeralis ulnari multo longior, radialis ulnari paulo brevior, cubitali multo longior; stigma minutum. (Corp. long. lin. $\frac{3}{4}$; alar. lin. $1\frac{1}{4}$.)

Pteromalus Calenus, Mas. Æneo-viridis, abdomen cupreum, antennæ nigrae, pedes fulvi, femora viridia, alæ limpida.

Corpus convexum, æneo-viride, nitens, scitissime squameum, parce hirtum: caput transversum, breve, thorace latius; vertex latus; frons impressa, abrupte declivis: oculi rufi, mediocres, non extantes: antennæ nigrae, subclavatae, thorace paulo longiores; articulus 1^{us} longus, gracilis, 2^{us} longicyathiformis; 3^{us} et 4^{us} minimi; 5^{us} et sequentes ad 10^{um} subæquales; clava conica, articulo 10^o multo longior: thorax ovatus: prothorax transversus, brevissimus: mesothoracis scutum longitudine latius; parapsidum suturæ vix conspicuæ; scutellum subconicum: paraptera magna; metathorax brevis-obconicus, declivis: petiolus brevissimus: abdomen cupreum, sublineare, depressum, læve, fere glabrum, thorace multo angustius et paulo brevius: pedes fulvi, simplices, subæquales; coxæ virides; femora viridia, apice fulva; tarsi apice fuscii; mesotibiæ fuscæ; metatibiæ piceo-cinctæ: alæ limpidae; squamulæ piceæ; nervi fuscii; nervus humeralis ulnari duplo longior, radialis ulnari non brevior, cubitali paulo longior; stigma minutum. (Corp. long. lin. 1; alar. lin. $1\frac{3}{4}$.)

Derostenus Alctas, Mas. Viridis, antennæ nigrae, pedes flavi, alæ fulvo-tinctæ.

Corpus breve, convexum, viride, nitens, subtilissime squameum, parce hirtum: caput transversum, breve, thorace vix latius; vertex latus; frons impressa, abrupte declivis: oculi rufi, mediocres, non extantes: antennæ graciles, submoniliformes, nigrae, apice acuminatae, thorace non longiores; articulus 1^{us} longus, sublinearis; 2^{us} et sequentes usque ad clavam breves: thorax ovatus, cupreo-varius: prothorax brevissimus, supra non conspicuus: mesothoracis scutum longitudine latius; parapsidum suturæ bene determinatae, postice approximatae: scutellum obconicum: metathorax magnus, declivis, obconicus: petiolus sat longus: abdomen breviovatum, læve, fere planum, thorace multo brevius: pedes pallide flavi, graciles, subæquales; coxæ virides; ungues et pulvilli fuscii: alæ fulvo-tinctæ, latæ; squamulæ piceæ; nervi flavi; nervus ulnaris humerali multo longior, radialis vix ullus, cubitalis brevissimus. (Corp. long. lin. $\frac{3}{4}$; alar. lin. $1\frac{1}{4}$.)

Closterocerus Cercius, Fem. Viridis, abdominis discus purpureus, antennæ nigrae, pedes nigri, tarsi flavi, alæ fusco-nebulosæ.

Corpus sublineare, fere planum, læte viride, nitens, scitissime squameum, parce hirtum: caput transversum, brevissimum, impressum, thorace non latius; frons abrupte declivis: oculi rufi, mediocres, non extantes: antennæ nigrae, graciles, submoniliformes, apice acuminatae, thorace paulo breviores; articulus 1^{us} longus, sublinearis; 2^{us} et sequentes usque ad clavam breves, subæquales: thorax ovatus: prothorax brevissimus, supra non conspicuus: mesothoracis scutum longitudine latius; parapsidum suturæ non bene determinatae; scutellum æneo-viride, obconicum: metathorax brevis, postice angustus: petiolus brevissimus: abdomen ovatum, subtus carinatum, thorace brevius, non latius; discus purpureus: pedes nigri, simplices, subæquales; coxæ virides; genua fulva; tibiæ apice flavæ; tarsi flavi, apice fuscii: alæ sublimpidae, ciliatæ, fusco obsolete nebulosæ; squamulæ piceæ; nervi fulvi; nervus ulnaris humerali multo longior, radialis vix ullus, cubitalis brevissimus, in alæ discum abrupte declivis; stigma minutum. (Corp. long. lin. $\frac{3}{4}$; alar. lin. $1\frac{1}{4}$.)

Bellerus (N.G.) Anaitis (Haliday MSS.), Mas. *Viridis, antennæ nigrae, pedes virides, tarsi fusci, alæ subfuscaë.*

Corpus gracile, sublineare, convexum, viride, nitens, scitissime squameum, parce hirtum : caput transversum, brevissimum, thorace vix latius ; vertex sat latus ; frons impressa, abrupte declivis : oculi rufi, mediocres, non extantes : antennæ 12-articulatæ ?, graciles, moniliformes, nodosæ, verticillatopilosæ, corpore paulo breviores ; articulus 1^{us} longus, sublinearis ; 2^{us} brevis ; 3^{us} et sequentes usque ad 9^{um} verticillo setarum ornati ; 5^{us} et sequentium quisque ad 9^{um} gracillimi, lineares, apice ubi setæ insident in clavam globosam latescentes ; clava triarticulata, fusiformis, acuminata : thorax longiovatus : prothorax transversus, sat magnus, antice angustus : mesothoracis scutum longitudine latius ; parapsidum suturæ optime determinatæ, postice approximatae ; paraptera et epimera magna ; scutellum subovatum : metathorax mediocris, obconicus, declivis : petiolus brevissimus : abdomen sublineare, planum, læve, thorace angustius et multo brevius ; pedes virides, simplices, subæquales ; trochanteres picei ; genua fusca ; tarsi 4-articulati, fusci ; ungues et pulvilli minuti ; protarsi basi flavi ; alæ subfuscaë ; squamulæ piceæ ; nervi fusci ; nervus ulnaris humerali multo longior, radialis humerali paulo brevior, cubitali plus duplo longior ; stigma minutum. (Corp. long. lin. $\frac{3}{4}$; alar. lin. $1\frac{1}{2}$.)

Tetrastichus Naucles, Fem. *Ater, abdomen nigro-æneum, antennæ piceæ, pedes fulvi, femora nigra, metatibiæ fusco-cinctæ, alæ sublimpidæ.*

Corpus validum, convexum, atrum, nitens, læve, parce hirtum : caput transversum, brevissimum, thoracis latitudine ; vertex sat latus ; frons impressa, abrupte declivis : oculi rufi, mediocres, non extantes : antennæ piceæ, subclavatæ, thorace vix longiores : thorax ovatus : prothorax brevissimus, supra vix conspicuus : mesothoracis scutum magnum, longitudine non latius ; parapsidum suturæ bene determinatæ, remotæ, postice approximatae ; scutellum bisulcatum, semicirculum fingens : metathorax brevis, transversus, declivis : petiolus brevissimus : abdomen ovatum, nigro-æneum, supra planum, subtus carinatum, apice acuminatum, thorace paulo longius : pedes fulvi, simplices, subæquales ; coxæ nigrae ; femora nigra, apice fulva ; tarsi apice fusci ; metatibiæ fusco-cinctæ : alæ sublimpidæ, pubescentes ; squamulæ piceæ ; nervi fusci ; nervus ulnaris humerali fere duplo longior, radialis nullus, cubitalis sat longus ; stigma minutum. (Corp. long. lin. 1 ; alar. lin. $1\frac{1}{2}$.)

Tetrastichus Norax, Fem. *Ater, antennæ piceæ, pedes flavi, femora nigra, alæ limpidæ.*

Præcedente gracilior. Corpus sublineare, convexum, atrum, nitens, læve, parce hirtum : caput transversum, brevissimum, thoracis latitudine ; vertex sat latus ; frons impressa, abrupte declivis : oculi rufi, mediocres, non extantes : antennæ piceæ, subclavatæ, thorace non longiores ; articulus 1^{us} niger : thorax ovatus : prothorax brevissimus, supra vix conspicuus : mesothoracis scutum longitudine non latius ; parapsidum suturæ remotæ, bene determinatæ, postice approximatae ; scutellum bisulcatum, semicirculum fingens : metathorax brevis, declivis : petiolus brevissimus : abdomen ovatum, supra planum, subtus carinatum, apice acuminatum, thorace non longius ; pedes flavi, simplices, subæquales ; coxæ nigrae ; femora nigra, apice flava ; tarsi apice fusci ; alæ limpidæ ; squamulæ piceæ ; nervi fulvi ; nervus ulnaris humerali duplo longior, radialis nullus, cubitalis sat longus ; stigma minutum. (Corp. long. lin. $\frac{3}{4}$; alar. lin. $1\frac{1}{2}$.)