

I.

CATALOGUE OF RECENT SHELLS IN THE BASIN OF
CLYDE AND NORTH COAST OF IRELAND.

CONTRACTIONS.

- Br.*—Brown's Illustrations of British Conchology. 4to. Edin. 1827.
Fl.—Fleming's British Animals. 3vo. Edin. 1828. Article Conchology, Edinburgh Encyclopædia, and paper on Deluge, Jameson's Journal, vol. xiv.
Lam.—Lamarck.
Pennant.—British Zoology, vol. iv. 4to. Lond. 1777.
Mont.—Montagu, Testacea Britannica. 4to. 1803.
Turt.—Turton, Conchylia Insularum Britannicarum. 4to. 1822.
Woodward.—Synoptical Tables of British Organic Remains. London, 1830; and Geology of Norfolk. London, 1833.
Philippi.—Enumeratio Molluscorum Siciliae. 4to. Berl. 1836.

- | | |
|---|--|
| Dentalium entalis. Common. | Pholas dactylus. Clyde. |
| glabrum. Bute. | crispatus. Bute, Clyde, &c. |
| Pectinaria Belgica. Ireland. | candidus. Loch Ryan, Ire- |
| Terebella conchilega. Bute. | land. |
| Medusa. Maybole. | Solen siliqua. Common. |
| Spirorbis nautiloides. Common. | legumen. Ireland. |
| spirillum. Ireland. | ensis. Bute, Clyde, &c. |
| heterostrophus. | vagina. Bute. |
| corrugatus. Bute. | truncatus. Ireland. |
| Serpula vermicularis. Common. | pigmaeus. Ireland; Bute. |
| lucida. North of Ireland. | pellucidus. Bute, Ayr. |
| spiralis. Bute, Ayr. | antiquatus. |
| lumbicalis. Ireland. | Mya arenaria. Common. |
| tubularia. Common. | truncata. Common. |
| serrulata, <i>Fl.</i> Bute. | prætenuis. Bute, Ayr; Ireland. |
| filograna. Ayr. | suborbicularis. Clyde. |
| carinata, <i>Mont.</i> Bute. | Sphenia Swainsoni. Clyde. |
| granulata. Ireland. | Tellemya ovata, <i>Br.</i> Bute. |
| lobata, <i>Mont.</i> Bute. | Anatina declivis, <i>Turt.</i> (<i>Mya, Mont.</i>) |
| Vermilia triquetra. Common. | Bute. |
| Coronula diadema. Adhering to a | prætenuis. |
| whale. Bute. | villosiuscula, <i>Br.</i> Bute. |
| Balanus balanoides. Very common. | arctica, <i>Turt.</i> Bute. |
| costatus. Clyde. | Lutraria elliptica. Clyde. |
| ovularis. Ireland. | compressa. (<i>Mya, Mont.</i>) |
| communis. Common. | Mactra truncata. Bute. |
| sulcatus. Ireland. | subtruncata. Bute, Arran. |
| rugosus. Common. | cinerea. Ayr. |
| Creusia verruca. Clyde. | solida. Bute; Ireland. |
| Xylophaga dorsalis, <i>Fl.</i> In wood. | stultorum. Clyde; Ireland. |
| Anatifa levis. Ireland. | turgida, <i>Mont.</i> Ireland. |
| striata. Adhering to ships' | Amphidesma Boysii. Arran, Bute, |
| bottoms. | &c. |
| Teredo navalis. In wood. Ireland; | pubescens, <i>Fl.</i> |
| Clyde. | tenue. |

- Amphidesma prismaticum*. Ireland.
 ovale. Ayr.
 convexum. Ayr.
 compressum. Ayr.
Corbula nucleus. Common.
 cuspidata. Bute.
Saxicava rugosa. Common.
Venerupis perforans. Ireland.
Psammobia Ferroensis. Ayr, Bute.
 costulata, *Turt.* Ayr.
Tellina tenuis. Clyde, Bute.
 solidula. Common.
 crassa. Ayr; Ireland.
 donacina. Ayr, Arran, Clyde.
 punicea. Arran, Cumbra.
 depressa (*squalida*, *Mont.*).
 Ayr, Bute, &c.
 fabula. Bute, Arran, &c.
 vespertina, *Mont.* Loch
 Ryan.
Lucina undata (*Venus*, *Pennant*).
 Bute, Ayr.
 flexuosa. Bute, Ayr.
 radula (*Tellina*, *Pennant*).
 Arran, Ayr, &c.
Donax trunculus. Clyde.
 striata, *Bryce.* Ireland.
Crassina (*Astarte*, *Sowerby*) *Danmo-*
niensis. Ireland; Bute.
 Garensis (*ovata*, *Br.*)
 Clyde.
 elliptica, *Br.* Clyde, Bute,
 &c.
 depressa, *Br.* Clyde.
 corrugata, *Br.* Clyde.
 striata, *Br.* Bute.
 scotica. Ayr.
 Withami? N. S. Bute.*
Cyprina Islandica. Common.
Cytherea exoleta. Common.
 lincta, *Fl.* Ayr.
Venus pullastra. Common.
 virginea. Ayr, Bute, Clyde.
 fasciata (*Paphia*, *Mont.*).
 Bute.
 ovata, *Mont.*
 Common.
 gallina (*Ortygea*, *Leach*).
 Common.
 decussata. Clyde; Ireland.
 cancellata. Ireland.
- Venus dysera*. Ireland.
 reflexa. Arran.
 laminosa. Ireland.
 aurea. Ayr; Ireland.
 ænea, *Fl.* Ireland; Ayr.
 cassina. Ayr; Ireland.
 rugosa (*Ortygea*, *Leach*). Ayr.
 sulcata, *Mont.* Bute.
 Prideauxiana. *Leach*.
Cardium edule. Common.
 aculeatum. Common.
 echinatum. Clyde.
 fasciatum. Ireland.
 exiguum. Ayr, Bute, Clyde.
 ciliare. Bute.
 lævigatum. Common.
 medium. Ayr; Ireland.
 nodosum.
 elongatum.
Hiatella arctica, *Fl.* Bute.
Arca Noe. Ireland.
 barbata. Ireland.
Pectunculus glycimeris. Ireland.
 pilosus. Arran, Ayr.
Nucula rostrata. Clyde, Bute.
 tenuis. Bute.
 margaritacea. Common.
 oblonga. Ayr. *Br.*
 truncata. Ayr.
 nitida, *Sowerby.* Bute.
Modiola Vulgaris. *Fl.* Common.
 discors. Ayr, Arran.
 discrepans. Clyde.
Mytilus edulis. Common.
 pellucidus. Clyde.
Pinna ingens. Ireland.
Lima tenera. Arran.
 fragilis. *Br.* Bute.
 sinuosa. Bute.
 vitrina. Ireland.
 inflata. Ireland.
Pecten maximus. Ayr, Bute, Arran.
 medius. Ireland; Bute.
 opercularis. Common.
 varius. Bute, Ayr, &c.
 Jacobeus. Ireland.
 Islandicus? Clyde, Bute. †
 niveus. Cumbra.
 obsoletus. Clyde, Bute, Ayr.
 pusio. Clyde.
 nebulosus, ‡ *Br.* Bute.

* One valve of this shell was dredged in deep water in Rothsay Bay, apparently the same as that found by Mr Witham in Yorkshire, and figured in Fig. 24 and 25.

† I suspect this shell is only to be found in the ancient deposits.

‡ This shell was discovered by Mr John Blythe, Glasgow, and is described in the second number of the *Edinburgh Journal of Natural History*, p. 9. It is almost circular; ears nearly equal, with seven broad, unequal, flattish, ribs: margin crenated; inside white, with a pearly lustre; about two inches in diameter.

- Pecten* *Landsburgii*. * Ayr, N. S.
Jamesoni, N. S. Bute. †
sinuosus. Bute, Ayr.
tumidus.
- Ostrea* *edulis*. Common.
parasitica. Bute.
- Anomia* *ephippium*. Common.
squamula. Bute.
undulata. Bute.
aculeata. Bute.
cylindrica. Port-Patrick.
- Orbicula* *Norvegica* (*Discina ostreoides*). Bute.
- Terebratula* *aurita*. Arran.
- Chiton* *marginatus*. Clyde, Ayr.
cinereus. Clyde.
ruber. Clyde, Ayr.
lævigatus (*Latus, Lowe*). Bute.
fuscatus. Bute.
lævis. Ireland.
fascicularis. Ireland.
- Patella* *vulgata*. Common.
virginea. Bute, Ayr; Ireland.
cærulea. Ayr; Ireland.
Clealandi (*clypeus, Br.*) Ireland; Bute.
pellucida. Ayr, Bute.
Forbesii. N. S. ‡
- Emarginula* *fissura*. Ayr, Bute.
- Fissurella* *Græca*. Bute; Ireland.
Noachina, Sowerby; (*Siphostriata, Br.*; *Cemoria Flemingii, Leach.*) Clyde, Bute.
- Pileopsis* *Ungarica*. Bute, Arran.
mitrula. Ireland.
- Velutina* *lævigata*. Bute, &c.
- Bulla* *lignaria*. Ayr.
akera. Ayr, Arran, Bute.
candida (*Diaphana, Br.*) Bute.
obtusa. Ireland.
cylindracea. Cumbra.
- Bullina* *minuta, Beck.* Ayr.
- Bullæa* *aperta*. Ayr.
- Natica* *glaucina*. Ayr, common.
Montagui. Clyde.
Alderi, Forbes. Common.
pallidula. Ayr.
- Ianthina* *communis*. Loch Ryan.
- Sigaretus* *haliotiodeus*. Clyde.
- Haliotis* *tuberculata*. Ireland.
- Tornatella* *tornatilis, Fl.* Ayr.
fasciata. Ayr, Bute.
- Pleurobranchus* *plumula*. Maybole.
- Scalaria* *communis* (*Clathrus, Fl.*) Ireland.
- Turtoni*. Ireland; Ayr, Bute.
- Trochus* *ziziphanus*. Clyde; Ireland.
cinereus. Ireland; Clyde, &c.
tumidus. Ireland; Bute, Arran.
magus. Bute, Arran; Ireland.
umbilicatus. Common.
crassus. Cumbra.
exiguus. Ayr.
discrepans. Ireland.
albidus. Ireland.
interruptus. Ireland.
perforatus. N. S. plate, i. figs. 3, 4. Bute.
Martini. § N. S. plate, fig. 26. Bute, Ayr.
- Turbo* *littoreus*. Common.
rudis. Common.
quadrifasciatus. Ayr.
subtruncatus. Ayr.
cingillus (*Cingula, Fl.*) Bute, Ayr.
labiosus. Bute.
interruptus. Clyde.
vinctus, Mont. Clyde.
costatus. Ireland.
olivaceus, Br. Bute.
neritoides. Common.
zic zac. Ireland.
pullus (*Cingula, Fl.*) Ireland, Port-Patrick.
vitreus. Ayr.
striatus. Arran.
plicatus, Mont. Bute.
- Pyramis* *pallidus, Mont.* Ayr.
striatulus. Ayr.
- Cerithium* *elegans*. Bute.
- Skenea* *depressa, Fl.*; *Helix D., Mont.* Bute.
- Cingula* *cimex*. Ayr.
costata. Ayr, Bute.
striatula. Cumbra.
parva. Ayr.
calathisca. Cumbra.
alba. Ayr.
subumbilicata. Ayr.
punctura. Ayr.
labiata. Ayr.
- Turritella* *terebra*. Common.
- Pleurotoma* *sinuosa, Fl.* Ayr.
- Fusus* *antiquus*. Common.
turriculus. Clyde, Bute, Ayr.
corneus. Common.
Islandicus. Ireland.
purpureus. Arran, Ayr.
Banffius. Clyde, Bute.
linearis. Ayr, &c.

* *Vid.* plate ii. fig. 2. † *Vid.* plate ii. fig. 1. ‡ *Vid.* plate ii. fig. 3.

§ Discovered in Ayrshire by Major Martin, Mayville, for whom I have named it. I have since dredged up several specimens in the Firth of Clyde and the Kyles of Bute. *Vid.* plate , fig. 26, and description.

<i>Fusus nebula</i> . Clyde, Bute, &c.	<i>Buccinum hepaticum</i> . Ireland.
<i>Norvegicus</i> . Bute.	<i>carinatum</i> . Bute.
<i>septangularis</i> . Ayr, Bute, &c.	<i>Voluta bidentata</i> , <i>Mont.</i> Bute.
<i>costatus</i> . Bute.	<i>denticulata</i> .
<i>Boothii</i> , <i>Br.</i> N. S. plate, fig. 1.	<i>Marginella voluta</i> . Ayr.
<i>umbilicatus</i> , <i>Br.</i> N. S. plate,	<i>Volvaria cylindrica</i> . Bute, Clyde.
fig. 2. Bute.*	<i>truncata</i> . Bute.
<i>Murex erinaceus</i> . Bute, Ayr.	<i>alba</i> , <i>Fl.</i>
<i>adversus</i> . Cumbra.	<i>Cyprea Europæa</i> . Bute, Arran.
<i>reticulatus</i> . Ayr.	<i>Miliola ovata</i> . Bute.
<i>Rostellaria pes-pellicani</i> . Common.	<i>Nautilus crispus</i> . Bute.
<i>Purpura lapillus</i> . Common.	<i>Beccarii</i> . Bute.
<i>Buccinum undatum</i> . Common.	<i>Octopus octopodia</i> . Ayr.
<i>macula</i> . Common.	<i>Sepia officinalis</i> . Ayr.
<i>reticulatum</i> . Ayr.	<i>Loligo media</i> . Maybole.
<i>Anglicanum</i> . Bute.	

RECENT LAND AND FRESH-WATER SHELLS.

<i>Cyclas cornea</i> .	<i>Helix spinulosa</i> .
<i>calyculata</i> .	<i>concinna</i> .
<i>Pisidium obtusale</i> .	<i>Pupa pygmæa</i> .
<i>amnicum</i> .	<i>bidentata</i> .
<i>pusillum</i> .	<i>quinquedentata</i> .
<i>Unio margaritifera</i> .	<i>sexdentata</i> .
<i>elongata</i> .	<i>muscorum</i> .
<i>Anodon cygnea</i> .	<i>edentata</i> .
<i>anatina</i> .	<i>Balea perversa</i> .
<i>Ancylus lacustris</i> .	<i>Clausilia rugosa</i> .
<i>fluviatilis</i> .	<i>Bulimus lubricus</i> .
<i>Limax agrestis</i> .	<i>acutus</i> .
<i>cinereus</i> .	<i>Succinea amphibia</i> .
<i>Vitrina pellucida</i> .	<i>oblonga</i> .
<i>Helix nemoralis</i> .	<i>Auricula minima</i> (<i>Carycheum Fl.</i>)
<i>caperata</i> .	<i>Planorbis vortex</i> .
<i>hortensis</i> .	<i>complanatus</i> .
<i>fusca</i> .	<i>contortus</i> .
<i>trochilus</i> .	<i>spirorbis</i> .
<i>rufescens</i> .	<i>carinatus</i> .
<i>subrufescens</i> ?	<i>imbricatus</i> .
<i>paludosa</i> .	<i>nitidus</i> .
<i>hispida</i> .	<i>umbilicatus</i> .
<i>virgata</i> .	<i>albus</i> .
<i>radiata</i> .	<i>Physa fontinilis</i> .
<i>aspersa</i> .	<i>hypnorum</i> .
<i>arborum</i> .	<i>Lymnea limosa</i> .
<i>ericitorum</i> .	<i>palustris</i> .
<i>nitida</i> .	<i>fossaria</i> .
<i>sericea</i> .	<i>auricularia</i> .
<i>crystallina</i> .	<i>putris</i> .
<i>nitens</i> .	<i>octona</i> .
<i>fœtida</i> .	<i>ovata</i> .
<i>umbilicata</i> .	<i>Valvata piscinalis</i> .
<i>nitidula</i> .	<i>Paludina impura</i> .
<i>nitidosa</i> .	<i>vivipara</i> . Ireland.
<i>cellaria</i> .	<i>Neretina fluviatilis</i> . †

* This shell, which was exhibited to the Nat. Hist. section of the British Association, 1837, *vid.* 7th Report, p. 100, I am informed by Mr G. B. Sowerby, has since been found at Oban, by Mr Jeffreys, and named by him "*Trichotropis acuminata*."

† Found in a stream near Saltcoats, by Mr Stewart Ker.

II.

CATALOGUE OF SHELLS FROM THE NEWER PLIOCENE
DEPOSITS IN THE BRITISH ISLANDS.

- Dentalium entalis. Ireland.
dentalis. Banff.
striatum. Preston.
- Spirorbis nautiloides. Ayr, &c.
corrugatus (Serpula, *Mont.*)
Bute.
- Serpula vermicularis. Common.
Vermilia triquetra. Common.
- Balanus balanoides. Common.
costatus. Clyde.
communis. Common.
rugosus. Common.
punctatus. Ayr, &c.
tintinnabulum. *Robberd's*
Norfolk, page 12.
- Creusia verruca. Clyde.
- Pholas dactylus. Ayr.
crispatus. Ayr.
- Solen siliqua. Glasgow, Ayr, Clyde.
legumen. Ayr.
ensis. Ireland.
- Panopæa Bivonæ, *Philippi*. Bute.
plate ii. fig. 4.
- Mya truncata. Common.
ovalis, *Turt.* Bute.
arenaria. Ayr, Clyde.
Margaritacea. *Devon.*
ferruginosa. Ireland.
- Sphenia Swainsoni. Bute.
- Tellemya tenuis, *Br.* Ireland.
- Anatina convexa. Ireland.
ovalis (*Mya, Wood*). Ayr.
- Lutraria elliptica. Ayr.
compressa. Forth, York.
- Mactra truncata. Ayr, Forth.
subtruncata. Ayr, Forth.
solida. Forth, York, Preston.
stultorum. Forth.
triangularis, *Mont.* Ireland.
elliptica. Ayr.
striata. Ayr. N. S. plate,
fig. 22.
- Amphidesma Boysii. Dalmuir.
prismaticum. Greenock.
- Amphidesma convexum, *Fl.* Ireland.
compressum, *Fl.* Ire-
land.
depressum. York. —
Phillip's Geol.
- Corbula nucleus. Ayr, Forth.
- Saxicava rugosa. Glasgow, &c.
Saxicava pholadis. Dalmuir, Clyde.
nondescript. N. S. Bute.*
- Venerupis perforans. Forth.
- Psammobia Ferroensis. Preston.
- Tellina tenuis. Ayr, Dalmuir, Forth,
fabula. Devonshire.
solidula. Dalmuir.
crassa. Ayr.
donacina. Banff.
proxima. N. S. plate, fig. 21.
Grælandica. Bute.
- Lucina undata. Ayr.
flexuosa. Dalmuir, Clyde.
radula. Ayr.
- Donax trunculus. Ayr.
- Crassina Garensis. Common.
elliptica, *Br.* Dalmuir.
depressa. Dalmuir.
Scotica. Ayr, Banff.
minima, *Sowerby*.
sulcata.
multicostata, † *Br.* Com-
mon. N. S. pl. fig. 20.
Withami, *Br.* York. N. S.
plate, fig. 24, 25.
- Cyprina Islandica. Common.
- Cytherea exoleta. Ayr, Dalmuir.
lincta. Dalmuir.
- Venus pullastra. Clyde.
virginea. Ayr.
fasciata. Inch Marnoch.
ovata. Ireland.
gallina. Ayr.
decussata. Ayr, Paisley.
verrucosa. Ireland.
subrhomboidea. Forth.
dysera. Ayr.

* This shell is much larger and less irregularly wrinkled than the *S. rugosa*.

† Mr Ed. Forbes considers this a variety of *C. compressa*.

- Venus rugosa*.
Cardium edule. Common.
aculeatum. Ayr, Forth.
echinatum. Ireland; Forth,
 Preston.
exiguum. Common.
tuberculatum. Worcester-
 shire.
lævigatum. Ayr.
nodosum. Ireland.
- Kellia suborbicularis*.
Arca lactea. Forth.
papillosa, *Br.* Ireland. N. S.
 plate, fig. 19.*
- Pectunculus glycymeris*. Ireland.
pilosus; (*arca*, *Mont.*)—
 Ayr; Ireland.
- Nucula rostrata*. Common.
oblonga, *Br.* Ireland. †
tenuis. Paisley, Dalmuir.
margaritacea. Ireland;
 Forth, Ayr, &c.
gibbosa. N. S. plate ii,
 fig. 10.
minuta. Dalmuir, Paisley,
 &c.
- Modiola vulgaris*. *Fl.* Common.
discors. Ayr.
- Mytilus edulis*. Common.
- Pecten maximus*. Ayr; Forth.
opercularis. Paisley, Ayr.
varius. Ayr; Ireland.
Islandicus. Common.
obsoletus. Lochlmond.
pusio. Ireland; Clyde.
- Ostrea edulis*. Common.
- Anomia ephippium*. Common.
squamula. Ayr; Ireland.
undulata. Ayr, Clyde, &c.
aculeata. Ayr; Ireland.
- Patella vulgata*. Common.
virginæa (*parva*, *Mont.*).
 Common.
cærulea. Ireland.
pellucida. Dalmuir, Ayr;
 Ireland.
lævis. Banff.
- Fissurella græca*. Ireland; Clyde, &c.
- Fissurella noachina*, *Sowerby*; (*Sipho*
striata, *Br.*; *Cemoria*
Flemingii, *Leach.*) Com-
 mon.
- Emarginula fissura*. Ireland.
Velutina lævigata, *Br.*
undata, *Br.* N. S. plate i.
 fig. 15. Clyde.
- Bulla obtusa*.
ampulla (*Murchison*).
Natica glaucina. Ireland; Loch-
 lomond.
Alderii. *Forbes*. Com-
 mon. ‡
pallidula—Brick earth, Nor-
 folk. *Woodward*.
clausa, N. S. plate, fig.
 16. Dalmuir.
glabrissima. Ireland.
glaucinoïdes. Bute.
- Bulbus Smithii*, *Br.* Helensburgh.
 N. S. plate, fig. 18.
- Trochus ziziphæus*. Ireland.
cinerarius. Common.
tumidus. Dalmuir.
magus. Ireland.
umbilicatus. Ireland.
crassus. Paisley.
tenuis. Ireland.
inflatus, *Br.* N. S. plate,
 fig. 10, 11.
- Margarita*. Dalmuir, *Thomson's Re-*
cord's of Science, vol. 1, page 133.
- Turbo littoreus*. Common.
rudis. Common.
quadrifasciatus. Ayr, Clyde.
subtruncatus. Ireland.
cingillus. Ireland.
interruptus. Ireland.
rugosus. Ayr, Dalmuir.
politus. Ireland.
unifasciatus. Ireland.
neritoides. Common.
expansus, *Br.* N. S. Dalmuir,
 plate, fig. 12, 13.
pullus. Ireland.
vinctus. Dalmuir. Bute.
- Phasianella canalis*, *Br.* Dalmuir.

* Mr Edward Forbes considers this as the young of the *A. tetragona* of Turton; but it differs much in size and appearance, both from the figure given by him in his *Malacologia Monensis*, and by Turton in his *British Bivalves*.

† This shell, found by Captain Portlock in stratified beds in Ireland at an elevation of 400 feet above the level of the sea, he considers to be an unknown species.

‡ I observed a specimen of this shell in the museum at Newcastle, erroneously named *N. pallidula*, from the brick-earth, Norfolk. It is described and figured by Mr Forbes, *Malacologia Monensis*, p. 31, pl. 11. fig. 6, 7.

- Pyramis discors*, *Br.* Ireland.
crystallinus, *Br.* Ireland.
Cingula cimex. Ireland.
costata. Ireland.
ulvæ. Ayr, Clyde, &c.
calathisca. Wigton.
striata. Ireland.
semi-costata, *Fl.* Ayr.
ventricosa, *Fl.* Dalmuir.
Rissoa fallax,* *Br.* Ireland. N. S.
 plate, fig. 7, 8.
Turitella terebra. Forth, Ayr.
cingulata,† Glasgow.—
 Plate, fig. 23.
Fusus antiquus. Common.
turricolus. Clyde.
corneus. Ireland.
purpureus. Ireland.
Banffius. Common.
linearis. Ireland.
discrepans, *Br.* Dalmuir.
discors, *Br.* Ireland.
Peruvianus, *Lan.* (*lamellosus*,
Sowerby.) Dalmuir. Plate,
 fig. 5, 6.
Murex erinaceus. Ireland; Clyde, &c.
tubercularis, *Mont.* Ireland;
 Clyde.
adversus. Ireland.
muricatus. Ireland.
reticulatus, *Mont.*
Rostellaria pes-pellicani. Dalmuir.
Purpura lapillus. Common.
Buccinum undatum. Common.
macula. Common.
reticulatum. Ayr; Ire-
 land.
Anglicanum. Preston.
minimum. Ireland.
costatum. Ayr.
striatum, *Sowerby.* Dal-
 muir. N. S. plate, fig. 9.
granulatum—Brick earth,
 Norfolk. *Woodward.*‡
Nassa Monensis, *Forbes.* N. S. §
Volvaria cylindrica. Clyde.
Cyprea Europæa. Ireland.
Oliva. N. S. (*Murchison.*) Siluria. ||
Nautilus Beccarii.

LAND AND FRESH-WATER SPECIES.

- Cyclas cornea*. Stutton, Grays; Ayr. *Cyrena Trigonula* (*Wood*). N. S.
amnica. Crophthorn. Grays, Stutton. *Nat. Hist. Mag.*
obliqua. Stutton. vol. vii. p. 275, fig. 45. *Lyell's Ele-*
pusilla. Stutton. *ments*, p. 60, fig. 24.
Henslowana. Crophthorn. *Unio ovalis*. Crophthorn.

* " *Rissoa fallax* appears to be a *Melania*, of the sub-genus *Eulima*."—*Ed. Forbes.*

† Only one broken fragment of this shell has been discovered, in a brick-field, near Glasgow. I am doubtful, however, as to its being a fossil, as it was given to me by a person who may have found it accidentally, or have deceived me. None of the other unknown species are doubtful in this respect.

‡ This shell, found in the brick earth of Norfolk, which undoubtedly belongs to this formation, is a crag fossil, *Sowerby*, *Min. Con.* t. 110, f. 4. It is given from the Tables of Organic Remains in *Woodward's Geology of Norfolk*.

§ Found in an elevated marine deposit in the Isle of Man, by Mr Edward Forbes. It differs from the *N. macula* in having the spire less produced, the body whorl much more ventricose, and the longitudinal ribs fewer; it appears intermediate between the *N. macula* and *N. ambigua*.

|| The only specimen of this shell has unfortunately been lost. From a sketch from memory sent to me by Mr Strickland, it appears to have been nearly an inch long. I suspect that both Testacea and Zoophytes, notwithstanding their limited powers of locomotion, are occasionally drifted from distant seas to our shores, probably entangled in floating substances. The Rev. Mr Landsborough has found, on the shores in his parish, *Bulla striata* and *Nerita peleronta*, and fragments of Transatlantic coral, both on the present sea-beach and in the ancient deposit; and he has in his collection a *Littorina Peruviana*, found by Dr Curdie on the Island of Gigha, and *Oliva nana*, a West Indian species, found by Miss H. Carmichael on the shore at Cumbra. The *Oliva* mentioned by Mr Murchison may therefore have been a straggler, and not a native of the British Seas.

- Unio pictorum*. Grays, &c.
antiquior (*Strickland*). N. S. *Murchison*, p. 555.
 N. S. (*Morris*). Gray's, Erith. *Nat. Hist. Mag.* Oct. 1838. p. 548, fig. 27.
 ? (*Wood*). Stutton. *Nat. Hist. Mag.* vol. vii. p. 275.
Anodon cygnea. Gray's, &c.
anatinus. Crophorn.
 ? Stutton, Suffolk. *Nat. Hist. Mag.* vol. vii. p. 275.
Ancylus lacustris. Crophorn.
fluviatilis. Crophorn.
 ? N. S. (*Morris*). Grays. *Nat. Hist. Mag.*
Limax agrestis. Maidstone.
Pisidium annicum. Grays, &c.
Helix nemoralis. Bielbecks, Yorkshire, Port Rush.
caperata. Bielbecks.
hortensis. Stutton.
fusca. Stutton.
trochilus. Maidstone.
rufescens. Stutton.
paludosa. Stutton.
hispida. Maidstone.
virgata. Crophorn.
radiata. Maidstone.
peregra. Thames.
complanata. Thames.
lucida. Stutton.
pura. Maidstone.
trochiformis. Thames.
pulchella. Crophorn.
Pupa pygmæa. Crophorn.
sexdentata. Stutton.
marginata. Stutton, Grays, &c.
Clausilia perversa. Port Rush.
Bulimus lubricus. Stutton.
Succinea amphibia. Stutton, Grays.
- Succinea oblonga*. Stutton, Ilford.
Auricula minima (*Carychium Fl.*) Stutton, Grays, &c.
Planorbis vortex. Stutton, Erith.
complanatus. Crophorn.
contortus. Stutton.
spirorbis. Bielbecks.
carinatus. Stutton, &c.
imbricatus. Stutton, Crophorn.
nitidus. Bielbecks.
corneus. Stutton, Ilford, &c.
lateralis (*Strickland*). N. S. *Murchison*, 555.
Lymnea limosa. Bielbecks.
palustris. Stutton, &c.
fossaria. Stutton.
auricularia. Stutton, &c.
peregra. Stutton, &c.
glutinosa. Copford.
auricularia. Crophorn.
stagnalis. Copford.
Valvata piscinalis. Sutton, Crophorn, &c.
cristata. Stutton, &c.
 ——— ? N. S. (*Brown*).
 Copford. *Nat. Hist. Mag.* vol. ix. p. 431.
antiqua. N. S. (*Morris*).
 Grays. *Mag. Nat. Hist.* vol. ix. p. 264.
Paludina impura. Stutton, &c. *Ib.* Oct. 1838, fig. 2c. *Lyell's Elements*, p. 62, fig. 34.
impura? Grays. *Nat. Hist. Mag.* Oct. 1838, 544.
minuta (*Strickland*).
 N. S. *Murchison*, 555.
 N. S. ? (*Brown*). Copford. *Nat. Hist. Mag.* vol. ix. p. 431.

MARINE SHELLS FROM THE NEWER PLIOCENE DEPOSITS,
 WHICH HAVE NOT BEEN FOUND IN A RECENT STATE IN
 THE BRITISH SEAS.

- Fusus Peruvianus*. Arctic Seas; Crag.
Natica clausa. Arctic Seas.
glacinioides (*Sowerby*). Crag.
Turbo expansus. Arctic Seas; North coast of America.
Bulla ampulla? (*Murchison*).* Sicilian Pliocene.
Velutina undata. Arctic Seas.
Bulbus Smithii. Sicilian Pliocene.
Buccinum granulatum (*Woodward*).† Crag.

* Silurian System, page 533.

† Geology of Norfolk, page 36.

Panopæa Bivonæ. Crag; Sicilian Pliocene.	Rissoa fallax.
Crassina multicosata. Arctic Seas.	Trochus inflatus.
Tellina proxima. Arctic Seas.	Arca pappilosa.
Mya (Sowerby).* Arctic Seas; North coast of America.	Crassina Withami.
Pecten Islandicus. Arctic Seas; North coast of America.	Mactra striata.
Buccinum striatum (Sowerby).†	Nucula gibbosa; Sicilian Pliocene?
	Saxicava.
	Nassa Monensis (Forbes).
	Oliva (Murchison).‡

RECENT SHELLS OF NEW SPECIES, FROM THE FIRTH OF
CLYDE.

Pecten Jamesoni. Bute.	Fusus Boothii. Bute.
Landsburgii. Bute, Ayr.	umbilicatus. Bute.
Trochus Martini. Bute, Ayr.	Patella Forbesii. Bute.
perforatus. Bute.	Crassina Withami. ? Bute.§

* This Mya was considered by Mr Sowerby to differ in species from the *M. truncata*, both from the shape and muscular impression. Mr Lyell informs me he found it at Udevalla, and that it occurs both recent and fossil in the St Lawrence.

† Records of General Science, p. 134.

‡ Silurian System, p. 533.

§ A single valve of a new *Crassina* was dredged up in Rothsay Bay, agreeing in shape and size with one sent to me by Mr Witham from Yorkshire. *Vid.* pl. i. fig. 25. But the imperfect state of both the recent and fossil specimens renders their identity doubtful.