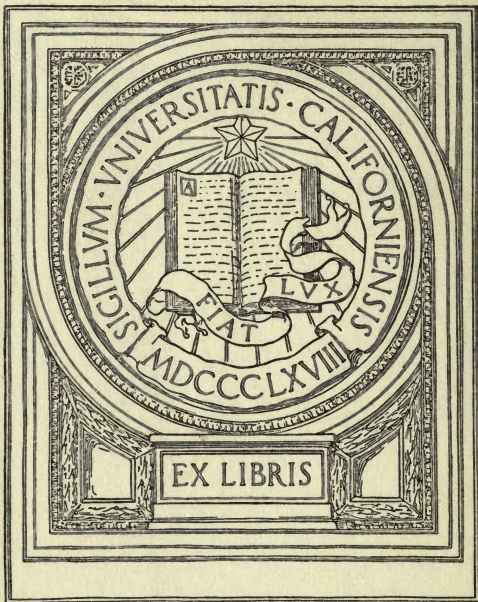


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\$D 49 812

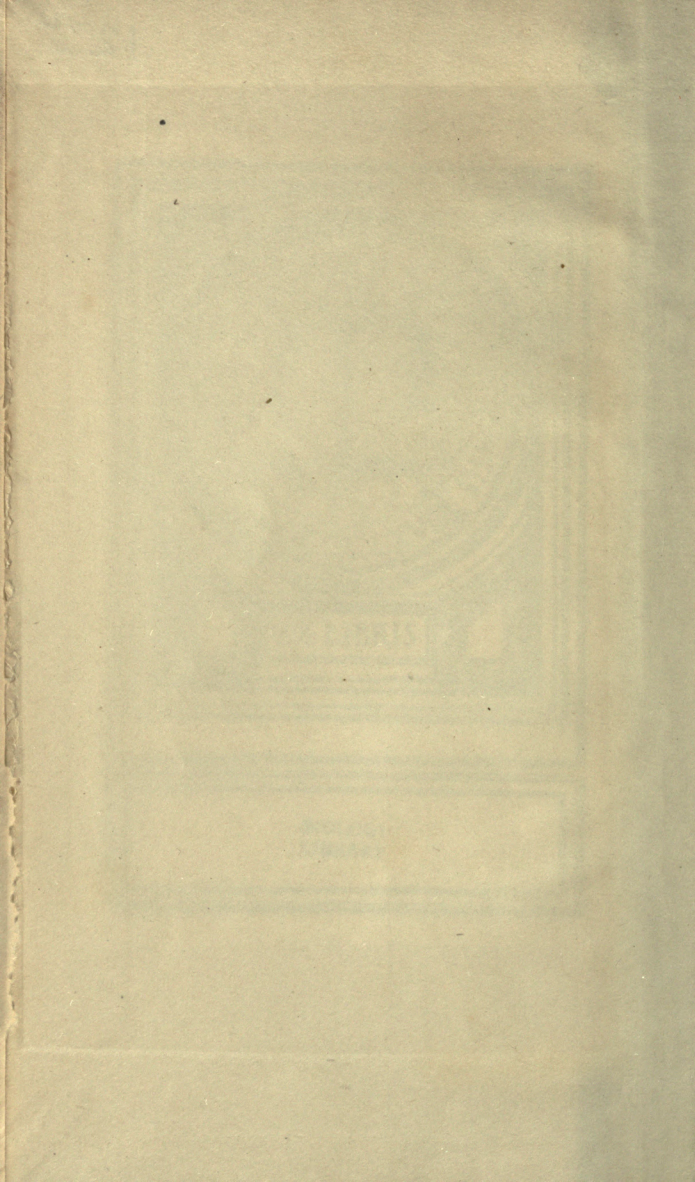


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# Shell catalogues

1. Humphill's list
2. Lamen's Catalogue by Mörch.
3. Catalogue of Unios. of Ohio.
4. Wheatler's Catalogue of the shells  
of the U.S. 2d ed.
5. James J. F. Catalogue of the  
fossils of the Cincinnati group

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NEW CATALOGUE

*A. Wallis Fryer*  
OF THE

**Shells of California**

AND

***ADJACENT STATES.***

— o — o — o —  
COLLECTED AND FOR SALE BY

**HENRY HEMPHILL,**

SAN DIEGO, CAL.

1875.

*Union Job Print, San Diego.*



## NOTE.

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To those interested in the study of Conchology I would invite particular attention to this series of West Coast Shells. Having collected extensively, inland as well as along the Coast, I am enabled to offer a large number of rare and interesting species.

As the geographical range of the species is a question of much importance, care has been taken to preserve the localities as well as to secure good specimens, thereby adding to their scientific value. The difficult and doubtful species have been submitted to the very best authorities for identification, every effort being made to make them reliable in every respect. The universal satisfaction that these sets have already given, is sufficient proof of their condition, &c. The prices have been reduced, so that they are within the means of all who desire to add to their collections.

☞ For Price List see third page of cover.

HENRY HEMPHILL.

# Hemphill's New Catalogue.

## BIVALVES.

1	Anomia lampe.....	Gray
2	Amiantis callosa.....	Conr
3	Adula falcata.....	Gld
4	"    stylina.....	Cpr
5	Angillus modestus.....	"
6	Barbatia gradata.....	Sby
7	Corbula luteola.....	Cpr
8	Cumingia Californica.....	Conr
9	Chione succincta.....	Val
10	"    fluctifraga.....	Sby
11	"    simillima.....	
12	Chama spinosa.....	Sby
13	Cardium corbis.....	Mart
14	"    quadragenarium.....	Conr
15	"    (Liocardium) elatum.....	Sby
16	"    "    substriatum.....	Conr
17	Ceropsis minima.....	Dall
18	Dobax Californicus.....	Conr
19	"    flexuosus.....	Gld
20	"    (Heterodonax) bimaculatus.....	D. Orb
21	Diplodonta orbella.....	Gld
22	Glycimeris generosa.....	Gld
23	Hinnites giganteus.....	Gray
24	Kellia Laperousii.....	Desh
25	"    suborbicularis.....	Mont
26	Lingula albida.....	Hds
27	Lyonsia nitida.....	Gld
28	Lutricola alta.....	Conr
29	Lazaria subquadrata.....	Cpr
30	Lucina Nuttalli.....	Conr
31	"    Californica.....	"
32	Lima dehiscens.....	"
33	Lassea rubra.....	Mont
34	Mya Hemphilli.....	Newe
35	"    (Cryptomya) Californica.....	Conr
36	Machæra patula.....	Dixon

37	<i>Macoma secta</i> .....	Conr
38	“ <i>secta</i> var <i>edulis</i> .....	Nutt
39	“ <i>indentata</i> .....	Cpr
40	“ <i>nasuta</i> .....	Conr
41	“ <i>inquinata</i> .....	Cpr
42	“ <i>inconspicua</i> .....	Br and Sby
43	<i>Mera variegata</i> .....	Cpr
44	<i>Mytilus Californianus</i> .....	Conr
45	“ <i>edulis</i> .....	Linn
46	“ <i>bifurcatus</i> .....	
47	<i>Modiola recta</i> ..... <i>tid. sp.</i>	Conr
48	“ <i>capax</i> .....	“
49	<i>Netastoma Darwinii</i> .....	Sby
50	<i>Ostrea</i> .....	
51	<i>Edalia subdiaphana</i> .....	Cpr
52	<i>Pholas Pacifica</i> .....	Stearns
53	“ ( <i>Parapholas</i> ) <i>Californica</i> .....	Conr
54	“ ( <i>Pholadidea</i> ) <i>penita</i> .....	“
55	“ “ <i>ovoidea</i> .....	Gld
56	“ ( <i>Zirphœa</i> ) <i>crispata</i> .....	Linn
57	<i>Platyodon cancellatus</i> .....	Conr
58	<i>Pecten æquisulcatus</i> .....	Cpr
59	“ <i>monotimeris</i> .....	Conr
60	“ <i>latiauritus</i> .....	“
61	<i>Periploma argentaria</i> .....	“
62	<i>Pachydesma crassatelloides</i> .....	“
63	<i>Petricola cardatoides</i> .....	“
64	<i>Placunanomia macroschisma</i> .....	Desh
65	<i>Schizothcerus Nuttalli</i> .....	Conr
66	<i>Saxidomus</i> “.....	“
67	“ <i>aratus</i> .....	Gld
68	<i>Solen rosaceus</i> .....	Cpr
69	<i>Solecurtus Californianus</i> .....	Conr
70	<i>Sanguinolaria Nuttalli</i> .....	Conr
71	<i>Standella nasuta</i> .....	Gld
72	“ <i>planulata</i> .....	Conr
73	“ <i>falcata</i> .....	Gld
74	<i>Septifer bifurcatus</i> .....	Rve
75	<i>Semile pulchra</i> .....	Sby
76	“ <i>decisa</i> .....	Conr
77	<i>Saxicava pholadis</i> .....	Linn
78	“ <i>arctica</i> .....	“
79	<i>Tapes lacineata</i> .....	Cpr
80	“ <i>staminea</i> .....	Conr
81	“ “ var <i>orbella</i> .....	
82	“ “ “ <i>diversa</i> .....	Sby



## UNIVALVES.

83	<i>Acmaea asmi</i> .....	Midd
84	“ <i>patina</i> .....	Esch
85	“ <i>pelta</i> .....	“
86	“ <i>persona</i> .....	“
87	“ <i>scabra</i> .....	Nutt
88	“ <i>spectrum</i> .....	“
89	“ ( <i>Lottia</i> ) <i>gigantea</i> .....	Gray
90	<i>Assaminea Californica</i> .....	Cooper
91	<i>Alvania æquisculpta</i> .....	Cpr
92	<i>Astyris tuberosa</i> .....	“
93	“ <i>variegata</i> .....	Stearns
94	“ <i>Aurantiaca</i> .....	Dall
95	<i>Amycla chrysalladea</i> .....	Cpr
96	<i>Amphissa versicolor</i> .....	Dall
97	<i>Amaura satura</i> .....	Cpr
98	“ <i>nuciformis</i> .....	“
99	<i>Bulla nebulosa</i> .....	Gld
100	“ ( <i>Haminea</i> ) <i>virescens</i> .....	Sby
101	“ “ <i>vesecula</i> .....	Gld
102	<i>Bittium quadriflatum</i> .....	Cpr
103	“ <i>attenuatum</i> .....	“
104	“ <i>filosum</i> .....	Gld
105	<i>Bela brachystomoides</i> .....	
106	<i>Barleeia hallotiphila</i> .....	Cpr
107	“ <i>subtenuis</i> .....	“
108	<i>Chlorostoma funebreale</i> .....	A. Ad
109	“ <i>Pfeifferi</i> .....	Phil
110	“ <i>gallina</i> .....	Fbs
111	“ <i>brunneum</i> .....	Phil
112	“ <i>aureotinctum</i> .....	Fbs
113	.....	
114	<i>Calliostoma costatum</i> .....	Mart
115	“ <i>gemmulatum</i> .....	Cpr
116	“ <i>annulatum</i> .....	Mart
117	“ <i>canaliculatum</i> .....	“
118	“ <i>supragranosum</i> .....	Cpr
119	“ <i>tricolor</i> .....	Gabb
120	“ <i>splendens</i> .....	Cpr
121	<i>Crucibulum spinosum</i> .....	Sby
122	<i>Crepidula dorsata</i> .....	Brod
123	“ “ <i>var liugulata</i> .....	Gld
124	“ <i>adunca</i> .....	Sby
125	“ <i>rugosa</i> .....	Nutt
126	“ <i>aculeata</i> .....	Gmel
127	“ <i>navicelloides</i> .....	Nutt
128	“ “ <i>var elongata</i> .....	
129	<i>Clypidella calliomargenata</i> .....	Cpr
130	<i>Clypidella bimaculata</i> .....	Dall
131	<i>Cœcum Cooperi</i> .....	“
132	<i>Cerithidea sacrata</i> .....	Gld

133	<i>Conus Californicus</i> .....	Hds
134	<i>Cerithiopsis tuberculata</i> .....	Mont
135	" <i>columna</i> .....	Cpr
136	<i>Cerostoma Nuttallii</i> .....	Conr
137	<i>Chorus Belcheri</i> .....	Hds
138	<i>Chrysodomus dirus</i> .....	Rve
139	<i>Chemnitzia tenuiclua</i> .....	Gld
140	<i>Cypræa (Luponia) spadicea</i> .....	Gray
141	"    (Trivla) <i>Solandri</i> .....	"
142	"    " <i>Californica</i> .....	"
143	<i>Dentalium hexagonum</i> .....	Sby
144	<i>Dialia marmorea</i> .....	Cpr
145	<i>Drillia mœsta</i> .....	"
146	" <i>penicellata</i> .....	"
147	"    (fossil) <i>Hemphilli</i> .....	Stearns
148	<i>Ethalia supravclata</i> .....	Cpr
149	<i>Eulima micans</i> .....	"
150	<i>Erato vitellina</i> .....	Hds
151	" <i>columbella</i> .....	Menk
152	<i>Evalea tenuisculpta</i> .....	Cpr
153	"    " <i>var incisa</i> .....	"
154	<i>Fissurella volcano</i> .....	Rve
155	<i>Glyphus aspera</i> .....	Esch
156	" <i>densiclathrata</i> .....	Rve
157	<i>Gibbula succinta</i> .....	Cpr
158	<i>Gadinia reticulata</i> .....	Sby
159	<i>Gibberula pyriformis</i> .....	Cpr
160	" <i>regularis</i> .....	"
161	<i>Hipponyx antiquatus</i> .....	Linn
162	" <i>tumens</i> .....	Cpr
163	<i>Haliotis corrugata</i> .....	Gray
164	" <i>Cracherodii</i> .....	Leach
165	" <i>rufescens</i> .....	Swains
166	" <i>splendens</i> .....	Rve
167	<i>Isapis obtusa</i> .....	Cpr
168	" <i>fenestrata</i> .....	"
169	<i>Leptothyra sanguinea</i> .....	Linn
170	"    " <i>var</i> .....	"
171	"    " <i>var</i> .....	"
172	" <i>bacula</i> .....	Cpr
173	<i>Littorina planaxis</i> .....	Nutt
174	" <i>scutulata</i> .....	Gld
175	"    " <i>var plana</i> .....	"
176	<i>Lacuna variegata</i> .....	Cpr
177	" <i>unifasciata</i> .....	"
178	" <i>aurantiaca</i> .....	"
179	.....	"
180	<i>Llotia fenestrata</i> .....	Cpr
181	" <i>acuticostata</i> .....	"
182	<i>Lucapina crenulata</i> .....	Sby
183	<i>Mesalia tenuisculpta</i> .....	Cpr
184	<i>Myerella simplex</i> .....	"

185	<i>Mitromorpha filosa</i> .....	Cpr
186	" <i>aspera</i> .....	"
187	<i>Monoceros engonatum</i> .....	Conr
188	"    " <i>var spiratum</i> .....	Blain
189	" <i>lugubris</i> .....	
190	" <i>paucilirata</i> .....	Stearns
191	" <i>lapilloides</i> .....	Conr
192	<i>Murex</i> { <i>trialatus</i> .....	Sow
	{ <i>philopterus</i> .....	Rve
193	<i>Macron lividus</i> .....	A. Ad
194	<i>Mangelia variegata</i> .....	Cpr
195	<i>Mitra maura</i> .....	Swains
196	<i>Melampus olivaceus</i> .....	Cpr
197	<i>Nacella incesso</i> .....	Hds
198	" <i>instabilis</i> .....	Gld
199	" <i>depicta</i> .....	Hds
200	" <i>paleacea</i> .....	Gld
201	<i>Neverta Recluziana</i> .....	Petit
202	<i>Nassa fossata</i> .....	Gld
203	" <i>perj inguis</i> .....	Hds
204	" <i>tegula</i> .....	Rve
205	" <i>Cooperi</i> .....	Fbs
206	<i>Nitidella Gouldii</i> .....	Cpr
207	" <i>carinata</i> .....	Hds
208	"    " <i>var Hendsii</i> .....	Rve
209	<i>Omphalius fuscescens</i> .....	Phil
210	<i>Opalia crenatoides</i> .....	Cpr
211	<i>Ocenebra Poulsonii</i> .....	"
212	" <i>gracilima</i> .....	Stearns
213	" <i>circumtexta</i> .....	"
214	" <i>interfossa</i> .....	Cpr
215	<i>Olivella baetica</i> .....	"
216	" <i>biplicata</i> .....	Sby
217	<i>Odostomia inflata</i> .....	Cpr
218	" <i>gravada</i> .....	"
219	<i>Purpura Saxicola</i> .....	Val
220	"    " <i>var</i> .....	
221	"    " <i>var</i> .....	
222	" <i>Canaliculata</i> .....	Ducl
223	" <i>crispata</i> .....	Chem
224	"    " <i>var</i> .....	
225	<i>Phasinella compta</i> .....	Gld
226	"    " <i>var pulloides</i> .....	
227	"    " <i>var elatior</i> .....	
228	"    " <i>var punctulata</i> .....	
229	<i>Pedipes unisulcata</i> .....	Cooper
230	<i>Pomaulax undosus</i> .....	Wood
231	<i>Pteronotus festivus</i> .....	Hds
232	<i>Ranella Californica</i> .....	"
233	<i>Siphonalia Kelletti</i> .....	Fbs
234	<i>Seila assimidata</i> .....	C. B. Ad
235	<i>Serpulorbis squamigerus</i> .....	Cpr



236	<i>Scalaria tinctoria</i> .....	Cpr
237	<i>Tornatina inculta</i> .....	Gld
238	" <i>carinata</i> .....	"
239	<i>Trochiscus Norrissi</i> .....	Sby
240	<i>Truncatella Californica</i> .....	Pfr
241	" <i>Stimpsonii</i> .....	Stearns
242	<i>Teredo</i> .....	
243	<i>Volvarina varia</i> .....	Sby
244	<i>Vitrinella</i> .....	

## CHITONS.

245	<i>Callistochiton palmulatus</i> .....	Cpr
246	" <i>fimbriatus</i> .....	"
247	" <i>decoratus</i> .....	nom prov
248	<i>Cryptochiton Stellerii</i> .....	Midd
249	<i>Chatopleura Hartwigii</i> ...	Cpr
250	" <i>pseudodentiens</i> .....	"
251	" <i>gemmea</i> .....	"
252	<i>Ischnochiton Cooperii</i> .....	"
253	<i>Katherina tunicata</i> .....	"
254	<i>Lepidopleurus pectinulatus</i> .....	Cpr
255	<i>Leptochiton rugatus</i> .....	"
256	<i>Maugerella conspicua</i> .....	"
257	<i>Mopalia muscosa</i> .....	Gld
258	" <i>Hindsii</i> .....	Gray
259	" <i>lignosa</i> .....	Gld
260	" <i>Kenerleyi</i> .....	Cpr
261	<i>Nuttalliana Scabra</i> .....	Rve
262	" <i>lanuginosa</i> .....	Cpr
263	<i>Tonicella lineata</i> .....	Wood

## LAND SHELLS.

264	<i>Helix Ayresiana</i> .....	Newc
265	" <i>arrosa</i> .....	Gld
266	"    " <i>var.</i> .....	
267	"    " <i>var.</i> .....	
268	" <i>arborea</i> .....	Say
269	" <i>asteriscus</i> .....	Morse
270	" <i>Bridgesii</i> .....	Newc
271	" <i>Breweri</i> .....	"
272	" <i>Cooperii</i> .....	Binn
273	"    " <i>var.</i> .....	
274	" <i>Cronkheitei</i> .....	Newc
275	" <i>Carpenteri</i> .....	"
276	" <i>Californiensis</i> .....	Lea
277	" <i>Columbiana</i> .....	"
278	"    " <i>var.</i> .....	
279	" <i>chersina</i> .....	Say
280	" <i>conspecta</i> .....	Bland
281	" <i>devia</i> .....	Gld
282	"    " <i>var.</i> .....	

283	Helix	Dupetithouarsi .....	Desh
284	"	Durantii.....	Newc
285	"	exorata.....	Pfr
286	"	fidelis .....	Gray
287	"	" var.....	
288	"	" var.....	
289	"	facta.....	Newc
290	"	germana.....	Gld
291	"	Gabbii.....	Newc
292	"	Harfordiana.....	Cooper
293	"	Hemphilli.....	Newc
294	"	Idahoensis .....	"
295	"	infumata.....	Gld
296	"	Kelleti.....	Fbs
297	"	" var.....	
298	"	" var.....	
299	"	loricata.....	Gld
300	"	Lansingii.....	Binn and Bld
301	"	minuscula.....	Binn
302	"	Newberryana.....	"
303	"	Nickliniana.....	Lea
304	"	polygyrella.....	Bld
305	"	pulchella.....	Say
306	"	ruficincta.....	Newc
307	"	ramentosa.....	Gld
308	"	Stearnsiana.....	Gabb
309	"	strigosa.....	Gld
310	"	" var.....	
311	"	sequoicola.....	Cooper
312	"	Tryonii.....	Newc
313	"	Townsendiana.....	Lea
314	"	" var.....	
315	"	" var.....	
316	"	Tudiculata.....	Binn
317	"	Traskii.....	Newc
318	"	Vancouverensis.....	Lea
319	"	" var.....	
320	"	Voyana.....	Newc
321	"	" var.....	
322	Succinea	rusticana.....	Gld
323	"	Oregonensis.....	Lea
324	"	Sillimanii.....	Bld
325	Vitrina	Pfeifferi.....	Newc
326	Pupa	arazonensis.....	Gabb
327	"	Californiensis.....	Rowell
328	"	Rowelli.....	News
329			
330	Hemphillia	glandulosa.....	Binn and Bld
331	Prophysaon	Hemphilli.....	"
332	Ariolimox	Columbianus.....	Gld
333	"	niger.....	Cooper
334	Amalia.....		

## FRESHWATER SHELLS.

335	Anodonta angulata.....	Lea
336	"    Oregonensis.....	"
337	"    Wahlamatensis.....	"
338	Pisidium occidentale.....	Newc
339	"    compressum.....	Prime
340	Sphaerum dentatum.....	Hald
341	.....	
342	.....	
343	Aneylus fragilis.....	Tryon
344	Acroluxus Nuttalli.....	Hald
345	Alexia Setifer.....	Cooper
346	Carinifex Newberryi.....	Binn
347	Flumnicola Nuttalli.....	Lea
348	Goniobasis nigrina.....	"
349	"    circumlineata.....	Tryon
350	"    occata.....	Hds
351	"    rudens.....	Lea
352	"    Bairdiana.....	"
353	"    plicifera.....	"
354	"    shastensis.....	"
355	Limnaea palustris.....	Mull
356	"    Rowelli.....	Tryon
357	"    Binneyi (?).....	"
358	"    bulimoides.....	"
359	.....	
360	Physa Gabbii.....	Tryon
361	"    diaphana.....	"
362	"    hypnorum.....	Linn
363	"    sparsestriata.....	Tryon
364	"    Traskii.....	"
365	"    costata.....	Newc
366	"    Hawnli (?).....	Lea
367	"    Carltonii.....	Tryon
368	.....	
369	Pomatiopsis intermedia.....	Tryon
370	Pomphlox solida.....	Dall
371	Planorbis tumens.....	Cpr
372	"    Oregonensis.....	Tryon
373	"    ammon.....	Gld
374	"    vermicularis.....	"
375	"    opercularis.....	"
376	Tryonia protea.....	"
377	Valvata virens.....	Tryon



PRICE LIST

PRICE LIST.

---

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CATALOGUS

2.

# CONCHYLIORUM

quæ reliquit

cl. N. Chr. N. Lassen

quondam Adjunctus Scholæ Roeskildensis.

scripsit

O. A. L. Mörch.

Hæc Cochylia publica auctione d. XII Jan. dividetur.

HAFNIE.

Typis J. Chr. F. Græbe.

MDCCCLXIII.

## Conditioner.

### § 1.

Det Solgte modtages i den Stand, hvori det ved Tilslaget forefindes og henligger fra samme for Kjøberens Regning og Risico.

### § 2.

Betalingen erlægges contant ved tilslaget, dog kunne mig personlig bekendte vederhæftige Kjøbere erholde 6 Ugers Henstand.

### § 3.

Kjøberne have intet at betale udenfor Kjøbesummen.

### § 4.

De Kjøbere, der ikke betale i rette Tid, have, hvad enten de blive sagsøgte eller ikke, at tilsvare Incassator 6 pCt. pro Anno fra Tilslaget indtil Betalingen skeer, samt alle Omkostninger skadesløst, og ere i Søgsmåls-tilfælde pligtige at give Møde for Københavns Forligelsescommission og Jurisdiction, samt undergivne den i Frd. 25de Januar 1825 anordnede hurtige Retsforfølgning.

Kjøbenhavn, den 4 December 1863.

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Auctionen afholdes i Hees Auctionslocale Viin-  
gaardstræde Nr. 2 (Hotél du Nord) d. 12 Januar 1864,  
Kl. 5.

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Catalogets Forfatter (Kronprindsessegade 6) paa-  
tager sig gratis Commissioner.



# MOLLUSCA.

## I. Monotocardia.

### Class. I. Androgyna.

#### Subel. 1. Pulmonata.

#### Ord. 1. Geophila.

- 1 *Vitrina grandis* B. Guinea.
- 2 *Nanina citrina* L. 3. var. 4 *xanthotricha* Pfr.
- 5 *Macroclamys calamechroa* Jon. Guinea. 6 sp.
- 7 *Ariophanta naninoides* Bens. I. or.
- 8 *Mesomphix laxata* F Chile. 9 *concolor* F.
- 10 *Zonites algira* L. 11 *candidissima* Dr.
- 12 *Discus solitarius* Say. 13 *alternatus* S.
- 14 *rotundatus* Mii. 15 *umbilicatus* Mtg.
- 16 *pygmæus* Dr.
- 17 *Sagda Jayana* Ad. 18 *Foremaniana* Ad.
- 19 *australis* Ch.
- 20 *Hyalosagda peraffinis* Ad. 21 *arboreoides* Ad.
- 22 *osculans* Ad. 23 *vortex* Pfr.
- 24 *Boothiana* Pfr.
- 25 *Hygromia umbrosa* Partsch. 26 *villosa* Dr.
- 27 *rufescens* Pen. 28 *cericea* Dr.
- 29 *carthusiana* M. 30 *parlatoris* Biv.
- 31 *incarnata* Mii. 32 *dolopidia* Jan.
- 33 *bidens* Ch. 34 *lens* F.
- 35 *Cysticopsis cubensis* Pfr. 36 *munda* Ad.
- 37 *muscarum* Lea.
- 38 *Euparypha alboranensis* W. B.
- 39 *pisana* Mü. & var. 40 *musicalis* Küst. t. 37 f. 9.
- 41 *nivea* Z. 42 *simia* F.

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- 43 *Jacosta explanata* Mii.  
 44 *presteri*. (variabilis W. & B.)  
 45 *variabilis* Dr. 46 *maritima* Dr. 47 *neglecta* Dr.  
 48 *obsoleta* Z. 49 *conspurcata* Dr.  
 50 *submaritima* Dr.  
 51 *costulata* Z. (*Nilssoniana* B.) J. Oland leg. Angelin.  
 9 Ex.  
 52 *ericetorum* Mii. 53 *obvia* Hart. 54 *cæspitum* Dr.  
 55 (*Trochoidea*) *pyramidata* Dr.  
 56 *lemniscata* W. & B. 57 *conoidea* Dr.  
 58 *tumulorum* W. & B. 59 *scitula* Jan.  
 60 *elegans* Gm. 61 *Caroni* Dh.  
 62 *Despreauxii* Do. 63 *setubalensis* Pfr.  
 64 *Helicigona lapicida* L. 65 *Schmidtii* Z.  
 66 *Ziegleri* Schm. 67 *intermedia* F.  
 68 *phalerata* F. 69 *cornea* Dr. 70 *fætens* Stud.  
 71 *pyrenaica* Dr. 72 *planospira* Lm.  
 73 *hirta* Mke. 74 *griseola* Pfr. 75 sp.  
 76 *Eulota fruticum* Mii. 77 *similaris* Fer. Brasil.  
 78 *Camæna cicatricosa* Müll. China.  
 79 *Solaropsis brasiliانا* Dh.  
 80 *Polygyratia polygyrata* Born. Brasil.  
 81 *Mesomphix multilineata* Dh. 82 *thyroides* Say.  
 83 *tridentata* Say. 84 var. 85 *personata* Lm.  
 86 *avara* Say. 87 *obvoluta* Müll.  
 88 *Obba rota* Brd. 89 *Listeri* Gr. 90 var. 91 sp. n.?  
 93 *papilionacea* Vol. 94 *planulata* Lm.  
 95 *Grayana* Pfr.  
 96 *Carocolla marginella* Gm. (10 Ex.)  
 97 *carocolla* L. 98 *monst.*  
 99 *Pleurodonta fuscolabris* Ad. 100 *acuta* Lm.  
 101 *heteroclites* Lm. 2 *acutissima* Lm.  
 103 *sinuata* Mii. 4 *invalida* Ad. 5 *anomala* Pfr.  
 106 *punctata* Born.  
 107 *Labyrinthus plicatus* Born. (3 Ex.) Puerto Cabello.  
 108 *Otala aspera* F. 9 *alutacea* Z. 10 var. 11 *lima* F.  
 112 *Coryda santa cruzensis* Pfr. 13 *nemoralina* Pet.  
 114 *monodonta* Lea. 15 *isabella* F. 16 *auricoma* F.

- 117 *Polymita jamaicensis* Ch.  
 118 *Rhysota Lamarekiana* Lea. 19 *sagittifera* Pfr.  
 120 *Mülleri* Pfr.  
 121 *Hemiplecta Humphreysiana* Lea.  
 122 *semigranosa* Sow. 23 *semiglobosa* Pfr. Manila.  
 124 *Stylodon cepoides* Lea. (3 Ex.)  
 125 *Eurystoma vittata* Müll. 26 *fallaciosa* F. Ceylon.  
 127 *Helix pomatia* L. 28 *sinistr.* 29 *melanostoma* Dr.  
 130 *Mazullii* Jan. 31 *aspersa* Mii.  
 132 var. *H. ligata* Mii. 33 *terrestris* Forsk.  
 134 *punctulata* So. Madeira.  
 135 *Galaxias Lucana* Mii. Cap.  
 136 *Helicogena punctata* Mii. 37 *lactea* Mii. 38 var.  
 139 *vermiculata* Mii. 40 *cirtæ* Terv. 41 *splendida* Dr.  
 142 *serpentina* F. 43 *hispanica* Part.  
 144 *niciensis* F. 45 *muralis* Mii. 46 *erycina* Jan.  
 147 (*Tachea*) *sylvatica* Dr. 48 *vindobonensis* C. Pfr.  
 149 (*Mycena*) *hieroensis* Grasset. 50 *consobrina* F.  
 151 *sarcostoma* W. & B. 52 *Guamartemes* Gras.  
 153 *Sauleyi* d'o. 54 *Groveana* F. Madeira.  
 155 *Acavus Waltoni* R. 56 *hæmastoma* L. 57 var.  
 158 *Chloræa fibula* So. 59 *sirena* B. 60 *Hanleyi* Pfr.  
 161 *Hügelii* Pfr. 62 *amæna* Pfr. 63 *monticula* So.  
 164 *sphærica* So. 65 *iloconensis* So. 66 var.  
 167 *annulata* So. 68 *balteata* So. 69 *opalina* So.  
 170 *Helicostyla albayensis* So. 71 var. 72 *intorta* So.  
 173 *Valenciennesii* Dh. 74 *mirabilis* F.  
 175 *luzonica* So. 76 *pulcherrima* So. 77 var.  
 178 *matruelis* So. 79 *zonifera* So. 80 var.  
 181 *speciosa* Jay. 82 *melanochila* Val.  
 183 *Roisyana* F. 84 *zebuensis* Brd. 85 *florida* So.  
 186 *virido striata* Lea. 87 *fasciata*. 88 var. *fulvida*  
 189 *fulgens* So. 90 *hydrophana* So.  
 191 *metaformis* F.

### Bulimus.

- 192 *Pythohelix Woodianus* Lea. spm. pulch.  
 193 *daphnis* Brd. 94 *lignarius* Brod.

- 195 philippinensis Pfr.  
 196 Eudoxus cincinnus So. 97 var. rosea.  
 198 fasc. rosea. 99 do.  
 200 Canistrum luzonicum So. 1 pictor Brd.  
 202 nympha Pfr. 3 dryas Brd. 4 var. fasciata.  
 205 jun. H. paradoxa Phil. 6 sylvanum Brd.  
 207 chrysalidi forme So. 8 Wagneri Grat.  
 209 aspersum Grat. 10 mindorense Brd.  
 211 Orthostylus perversus L. 12 dextrorsa.  
 213 Jayanus Lea. 14 sinistr.  
 215 Partula otaheitana Br. 16 faba Mart.  
 217 hyalina Br. 18 sp.  
 219 Borus oblongus Mii. 20 granulosus Rg.  
 221 rosaceus King. 22 crenulatus Pfr. Chile.  
 223 Otostomus auris leporis F. Brasil.  
 224 Goniostomus hybridus Gould.  
 225 Plecochilus undulatus Mart. Venezuela.  
 226 Odontostomus pupoides Spx. 27 exesus Spx.  
 228 Sowerbyanus F.  
 229 Bulimulus elongatus Bolt. 30 ludovicus Rg.  
 231 exilis Gm. 31\* xanthostomus Wieg.  
 232 Riisei Pfr. 33 tenuissimus F.  
 234 Plectostylus chilensis Les. 35 coquimbensis Br.  
 236 Rabdotus albicans Br. 37 Laurentii So.  
 238 Ena arabica Forsk. 39 var. parva. 40 var.  
 241 obesata W. & B. 42 variata W. & B.  
 243 tuberculata Turt.  
 244 Cochlicellus acutus M. 45 ventrosus F. 46 sp.  
 247 Ferussacia folliculus Meu. 48 lubrica Mii.  
 249 Brephulus detritus Mii. 50 Tournefortianus F.  
 251 Opeas hortensis Ad. 52 pellucens Ad.  
 253 octonoides Ad. 54 Swiftianus Ad. Pfr.  
 255 octona Ch.  
 256 Limicolarius kambeul Ad. 57 strigatus Mii.  
 258 flammiger F. Guinea.  
 259 Achatina variegata Roissy. 60 Zebra Ch.  
 261 purpurea Ch. 62 fulica F. 63 marginata Sw.  
 263\* Pupa (Phænicobius) adusta So.



- 264 (Cerion) chrysalis F. 65 uva L. 66 striatella F.  
 267 mumia F. 68 latilabre Pfr. 69 fusus Mii?  
 270 (Torquilla) tridens Mii. 71 quadridens Mii.  
 272 gularis Rm. 73 polyoden Dr. 74 variabilis Dr.  
 275 frumentum Dr. 76 avenacea Br.  
 277 quinquedendata Born. 78 tricolor?  
 279 umbilicata Dr. 80 Riisei Pf. 81 pygmæa Dr.  
 282 granum Dr. 83 subulata Brd.  
 284 rupestris Phil. 85 nitidula Pf.  
 286 fallax Say. 87 sp.  
 288 Rumina decollata L. (11 Ex.)  
 289 Clausilia laminata Mtg. var. grossa Z.  
 290 ungulata Z. 91 vetusta Z.  
 292 bidens L. (22 Ex.) 93 lamellosa Wag.  
 294 sulcosa Wag. 95 exarata W.  
 296 varians Z. (diaphana). 97 strigillata Mlf.  
 298 mucida Z. 99 lævissima v. robusta Rii.  
 300 fulcrata Wg. 1 biplicata Mtg. 2 mucida Z.  
 303 conspurcata Jan. 4 albocincta Pfr.  
 305 Bergeri May. 6 fimbriata Mlf.  
 307 commutata var. annexa. 8 succineata Z.  
 309 macarana Z. 10 nubigena Z. 11 saturata Z.  
 312 interrupta Z. 13 serrata Z. 14 varians Z.  
 315 rugosa Dr. 16 deltostoma Lowe.  
 317 Nenia tridens Ch. Portorico.  
 318 Ortalicus Zebra M. 19 undatus F.  
 320 pulchellus Spx.  
 321 Pseudotrochus virgigenus L. 22 var.  
 323 crenatus Sw.  
 324 Achatinella bulimoidés Sw.

### Agnatha.

- 325 Glandina Liebmanni Pfr. Mexico.  
 326 glabra Pfr. 27 oleacea F. 28 subulata Pfr.  
 229 Spiraxis streptostyla Pfr. Mexico.  
 330 Urocoptis (Cylindrella) Liebmanni Pfr. 2 Ex.  
 331 cylindrus Ch. 32 rosea Ad. 33 columna Ad.  
 334 brevis Ad. 35 sanguinea Ad.

- 336 nobilior Ad. 37 teres Mke. Mexico.  
 338 Pfeifferi Mke. 39 perplicata F.  
 340 variegata Pfr. 41 Poeyana W.  
 342 elegans Pfr. 43 seminuda Ad. 44 Riisei Pfr.  
 345 rubra Ad. 46 sp.  
 347 Apoma elongata Ch. 48 gracilis Wood.  
 349 Lia Maugeri Gray. 50 var alba.  
 351 Macroceramus signatus Cuild. 52 Kieneri Pfr.  
 353 turricula Pfr. 54 Gossei Pfr.

### Ord. 2. Hygrophila.

- 355 Elobium auris midæ L. 56 auris judæ L.  
 357 Pythia imbrium L. 58 Lessoni Blv.  
 359 Rhodostoma felis Brug.  
 360 Alexia myosotis Dr. 61 Firmonii Payr.  
 362 Melampus luteus Q. & G. 63 sp. 64 minutus Gm.  
 365 Ophiocardelus australis Q. & G. N. Zeland.  
 366 Chilina tenuis Gr. 67 puelcha d'o.  
 368 Limnæa emarginata Say. 69 nebutosa Dkr.  
 370 Vahlî B. 71 var. 72 geisericola B. Island.  
 373 Amphipeplea ampullacea Rm.  
 374 Physa jamaicensis Ad. 75 canariensis d'o.  
 376 cubensis Pfr. 77 nitens Ph. Mex.  
 378 heterostropha Say. 79 ancillaria Say.  
 380 Maugeræ Gr. 81 sp.  
 381\* Planorbis glabratus Say. 82 campanulatus Say.  
 383 affinis Ad. 84 trivolvîs Say.  
 385 proboscideus Mke. 86 peruvianus Br.  
 387 guadeloupensis So. 88 sp.  
 389 Amphibola nuxavellana Ch. N. Zeland.  
 390 Siphonaria concinna Sow. 91 melanozonias Gm.  
 392 Lessoni Blv. 93 pica Sow. 94 sp.  
 395 Gadinia peruviana (Mouretia) Sow. Peru. (2 Cx)

### Subcl. 2. Opisthobranchia M. Edw.

- 396 Bulla ampulla L. 97 striata Brg.  
 398 australis Gr.  
 399 Haminea Guildingii Sws. 400 sp.

- 401 *Akera soluta* Ch. *M. rub.*  
 402 *Atys naucum* L. 3 *cylindrica* Helb.  
 403\* *Retusa alba* Jacobs  
 404 *Cylichna Reinhardi* Holb. Grønl.  
 405 *Scaphander lignarius* L. Gibraltar.  
 406 *Philine Planciana* Lam.  
 407 *Actæon tornatilis* L.  
 408 *Bullina undata* Brug  
 409 *Tornatina canaliculata* d'o. 10  
 411 *Aplustrum physis* L. 2 *virgatum* Mort.  
 403\* *albocinctum* v. d. Hoen. 4\* *circulatum* Martyrs.  
 405\* *aplustre* L. 6\* *scabrum* Ch.  
 407\* *Obeliscus terebellum* Mu. 8\* *punctatus* Ch.  
 409\* *dolabratus* Mu.  
 410\* *Architectonica maxima* Ph. 11\* *zonata* Ph.  
 412\* *perspectiva* L. 13 *lævigata* Lm.  
 414 *patula* Lm.  
 415 *Torinia straminea* Ch. 16 *Herberti* Dh. 17 sp.  
 418 *trochoides* Dh. 19 *bicarinata* d'o.  
 420 *infundibuliformis* Gm.  
 421 *Philippia lutea* Lm. 22 *hybrida* L. Petit.  
 423 *Scala scalaris* L. (*pretiosa* Lm.)  
 424 *chlathrus* L. 25 *lamellosa* Lm.  
 426 *clathratula* Wood. 27 *Turtoni* Sow.  
 428 *tenuis* Lo. 29 *venosa* So. 30 *australis* Lm.  
 431 *crenata* L. 32 *venosa* So.  
 433 (*Amæa*) *minuta* Bolt. Trqbr.  
 434 *Janthina globosa* Sws. 35 *fragilis* Lm.  
 436 (*Jodes*) *planispirata* Ad. & R.  
 437 (*Jodina*) *exigua* Lm. (spm. plur.)

#### Pteropoda.

- 438 *Cavolina telemus* L. 39 *uncinata* Rang.  
 440 *limbata* d'o.  
 441 *Archonta explorata* Mtf. (*deflexa* Less.)  
 442 *Diacria trispinosa* Less.  
 443 *Cuvieria columnella* Rang.

## Class. II. Exophallia.

## Ord. 1. Tænioglossata Trosch.

- 444 *Cyclostoma buccinulum* Bolt. 45 *elegans* Mü.  
 446 *Listeri* Gr. 47 *canariense* d'o.  
 448 *Choanopoma lima* Ad. 49 *scabriculum* So.  
 450 *Blandianum* Ad. 51 *lincina* So.  
 452 *Licina Humphreysiana* Pfr.  
 453 *Tudora columna* Wood. 54 *bilabre* Mke.  
 455 *megachila* P & M. 56 *augustæ* Ad.  
 457 *Adamsiella Grayana* Ad. 58 *variabile* Ad.  
 459 *Chondropoma pictum* Pfr. 60 *Poeyanum* d'o.  
 461 *secundum* Ad. 62\* *armatum* Ad.  
 462 *decussatum* Lm. 63 *lunulatum* Mü.  
 464 *rugulosum* d'o. 65 *chordiferum* Pf.  
 466 *basicarinatum* Pfr. 67 sp.  
 468 *Pomatias patula* Dr. 69 *maculata* Dr.  
 470 *Platystoma jamaicense* Ch. 71 *corrugatum* Sow.  
 472 *varians* Ad. 73 *translucidum* So.  
 474 *Cyrtotoma mexicana* Mke.  
 475 *Cyclophorus involvulus* Mü. 76 *semisulcatus* So.  
 477 *Wodianus* Lea. 78 *canaliferus* So.  
 479 *linguiferus* So.  
 480 *Megalomastoma crocea* Gm. 81 *antillarum* So.  
 482 *tortum* W.  
 483 *Registoma fuscum* gray. 84 *grande* Gray.  
 485 *Acicula lineata* Dr. 86 *subdiaphana* Biv.  
 487 *Truncatella caribæa* So. 88 *truncatula* Mtg. 89 sp.  
 490 *Hydrocena rubens* Q & G.  
 491 *Ampullaria orbata* Perry. 92 *carinata* Sw.  
 493 *cordophana* Aut.  
 494 (Pomacea) *eximia* Dkr. 95 *urceus* Mü.  
 496 *buxea* Reev. 97 *violacea* Val. 98 var.  
 499 var. 500 sp.  
 501 (Marissa) *croostoma* Phil. 2 *luteostoma* Dh.  
 503 *Knorri* Ph. 4 *cornu arietis* L.  
 505 *Lanistes olivaceus* Sow. Africa  
 506 *Lithoglyphus naticoides* Z.



- 507 Globulus sp.  
 508 Viviparus contectus Millet. 9 fasciatus Mü.  
 510 bengalensis Lm. 11 dissimilis Mü.  
 512 Burroughianus Lea.  
 513 Melanthe decisa Say. Am. bor.  
 514 Cleopatra bulimoides Oliv.  
 515 Bythinia rubens Mke.  
 516 Assiminea Francesü Gray.  
 517 Lacuna quadrifasciata D. C. 18 pallidula D. C.  
 519 Lithiopa striata Rang.  
 520 Rissoa membranacea Ad. var. kiloensis Dkr.  
 521 costata Desm. 22 ventricosa Desm.  
 523 Rissoella Dunkeri Pfr. 24 sp. 25 sp.  
 525\* Littorina obtusata L. 26 rudis Mtg.  
 527 littorea L. 28 fusca Pfr. 29 araucana d'o.  
 530 neritoides L. 31 flava Brd. 32 minima Wood.  
 533 guttata Jr. 34 ziczac Ch. 35 carinata d'o.  
 536 peruviana Lm. 37 undulata Gr.  
 538 angulifera Lm. 39 intermedia Phil. 40 sp.  
 541 (Hamus) pagodus L. 42 tectum persicum L. 3.  
 544 muricata L. 45 tuberculata Wd.  
 546 trochiformis d'o. 47 dilatata d'o.  
 548 Modulus filiosus Helb. 49 var.?  
 550 Stomatia neritoidea L. 51 haliotoidea L.  
 552 zonata d'o.  
 553 Naticaria papilla Gm. 54 mamillars L.  
 555 Mamilla putamen Meu. 56 melanostoma Lm.  
 557 melanostomoides Q. & G.  
 458 Neverita glaucina L. 59 sp. n. m. rub.  
 560 olla M. Sew. 61 sp. 62 albumen L.  
 563 pes elephantis Ch.  
 564 Mamma brunnea Lmk. 65 mamilla L.  
 566 Lunatia monilifera Lm. 67 sp.  
 568 Natica sulcata Born. 69 rugosa Ch.  
 570 vittata Gm. 71 maroccana Ch.  
 572 canrena Mk. 73 lineata Ch. 74 onca Bolt.  
 575 hebræa Martyn. 76 stercus muscarum Gm.  
 577 Forskälîi Ch. 78 globosa Ch. 79 vitellus L.

- 580 undata Meu. 81 lupinus Ch. 82 sp.  
 583 Neritopsis radula L. var. 2 Ep.  
 584 Crepidula (Luna) radians Lm. 4 Ex.  
 585 Lessoni Blv. 86 dilatata Lm.  
 587 var. C. nautiloides Less. 88 fornicata L.  
 589 Calyptræa equestris L. 90 peziza Gray.  
 591 caperata Meu.  
 590\* Capulus hungaricus L.  
 591\* Hipponyx cornu copiae Lm. 92 antiquata L.  
 593 subrufa Mrt. 94 militaris L. 95 conica Sch.  
 596 Onustus trochiformis Born.  
 597 calculiferus R. 98 exutus R.  
 599 Vermetus conicus Dil. Antill.  
 598\* (Bivonia) Quoyi Adams. m. rub.  
 599\* (Spiroglyphus) annulatus Daud.  
 600 spirorbis So. 2 glomeratus Biv.  
 602 (Siphonium) nebulosum Dil. J. Antill.  
 603 (Vermiculus) spiratus Phil. J. Antill.  
 604 (Thylacodes) decussatus Gm. J. Antill.  
 605 Turritella erosa Couth. 6 unguina L.  
 607 bicingulata Lm. 8 cingulata So. 9 coclea R.  
 610 terebra L. 11 imbricata L. 12 bacillum Ki.  
 613 duplicata L. 14 replicata L.  
 615 Paludomus bacula Reev. Ava (4 Ex.)  
 616 Melania amarula L. 17 pulchra Busch.  
 618 Carolinæ Gr. 19 inquinata Defr.  
 620 scabra M. 21 lineata Gr.  
 622 tuberculata M. 23 sp.  
 624 (Vibex) auritus Müll.  
 625 (Ceriphasia) virginea Gm.  
 626 depygis Say. 27 sp.  
 628 Pachychilus Liebmanni P.  
 629 Schiedeana Ph. Mexico.  
 630 Melanella Hollandri F.  
 631 Melanopsis lævigata Oliv. 32 costata F.  
 633 Hemisinus lineatus Gray.  
 634 Faunus ater L.  
 635 Telescopium indicator Mtf.

- 636\* margaritaceum Broch.  
 636 Potamides palustris L. m. rub. leg. Forsk.  
 637 sulcata Born. 38 muricata Mü.  
 639 fluviatile P & M. 40 decollata L.  
 641 iostoma Pfr.  
 642 Cerithium semiferrugineum Lm. 43 atratum Born.  
 644 litteratum Born. 45 mediterraneum Dh.  
 646 thymelus Meu. 47 morum L.  
 648 vittatum Sow? m. rub. 49 minimum Gm.  
 650 nigrescens Mke.  
 641\* Vertagus aluco M. 42 asper L. 43 chinensis Ch.  
 644\* vertagus L. 45 nodulosus Brug. 46 sp.  
 647\* Colina pupæformis Adams.  
 648\* Bittium lima Brug.  
 649\* Triphoris Thomæ Ch. (6 Ex.)  
 650\* Batillaria zonale Lam. China.  
 651 Steenstrupii Trosch.  
 651\* Planaxis Savignyii Dh. 52 fulcata Born.  
 653 nucleus Lm. 54 lineatus DC. 55 sp.  
 655\* Pterocera millepeda Lm. 56 lambis L.  
 657 chiragra L. 58 arthritica Bolt.  
 659 radix bryoniæ Ch. vera. 60  
 661 Rostellaria stellata Ch. (curvirostris Lm.) M. rub.  
 662 Strombus granulatus Sw. 63 rosaceus Mart.  
 664 gigas L. 65 tricornis Mart.  
 666 accipitrinus Mart. 67 pugilis L.  
 668 costoso-muricatus Mart.  
 669 striato-granulatus Mart. 70 auris Dianæ L.  
 671 lentiginosus L. 72 fasciatus Born.  
 673 decorus Bolt. 74 luhuanus L. 75 canarium L.  
 676 isabella L. 77 variabilis Sw. 78 epidromis L.  
 679 vittatus L. 80 minimus L. 81 Lamarekii Dh.  
 682 septimus Ducl. 83 gibberulus L.  
 684 succinctus L. 85 marginatus L.  
 686 flosculosus Mart. 87 urceus L.  
 688 elegans Sow. 89 plicatus Lm.  
 690 dentatus L. 91 sp.  
 692 Terebellum subulatum Ch.

- 693 *Ranella* (*Argobuccinum*) *scabra* King.  
 694 (*Lampas*) *ventricosa* Sow. 95 *rhodostoma* B.  
 696 *lampas* L.  
 697 (*Apollon*) *gyrinus* F. 98 *olivator* Meu.  
 699 *cælata* Brd. 700 *granularis* Bolt.  
 701 *quercina* M. 2 *pustulosa* R.  
 703 *pygmæa* Brod. M. *rub.*  
 704 (*Bursa*) *crumena* L. 5 *rana* L.  
 706 *margaritula* Dh. 7 *elegans* Bk.  
 708 *subgranosa* B. 9 *Suensoni* M.  
 710 *bufonia* Bolt.  
 711 *Distorsio* *anus* L. 12 *ridens* R. 13 *dicipiens* R.  
 714 *cancellinus* Roissy.  
 715 *Hindsia* *nivea* Gm. Tranqueb. (2 Ex.)  
 716 *Triton* *opis* Bolt. 17 *tritonis* L.  
 718 *variegatum* Lam.  
 719 (*Epidromus*) *obscurum* R. 20 *testaceum* M.  
 721 *lanceolatum* Mke.  
 722 (*Cabestana*) *labiosum* Wood (7 Ex.)  
 723 *dolarium* L. Cap.  
 724 (*Simpulum*) *costatum* Born. 25 *pileare* L.  
 726 *aquatile* Reeve. 27 *rubecula* L.  
 728 *clorostoma* Lm. 29 *corrugatum* Lm.  
 730 *trigonum* Gm.  
 731 (*Cymatium*) *femorale* L. 32 *rhinoceros* Bolt.  
 733 *cynocephalum* Lm. 34 *antillarum* d'o.  
 735 *caudatum* Gm. 36 *sinense* R.  
 737 (*Monoplex*) *obesum* Perry.  
 738 *Linatella* *rostrata* Martini.  
 739 *Pyrrula* *ficus* L. 40 *ficoides* Lm.  
 741 *Dussumieri* Val. 42 *clathrata* Rous.  
 743 *Dolium* *perdix* L. 44 *cassis* Bolt.  
 745 *olearium* L. 46 *chinense* Dill. 47 *galea* L.  
 748 *zonatum* Green. 49 *fasciatum* Mart.  
 750 *costatum* Dh.  
 751 (*Malea*) *pomum* L.  
 752 *Morum* *oniscus* L. 53 *tuberculosum* So.  
 754 *quadriseriata* Mke. 55 *cancellatum* Sow. China.



- 756 *Cassis rufa* L. 57 *testiculus* L. 58 var.  
 759 *flammea* L. 60 *spinosa* Meu. 60 *tuberosa* L.  
 761 *cornuta* L. 62 *madagascariensis* Lm.  
 763 *undata* Mart. 64 *areola* L. 65 *decussata* L.  
 766 *glauca* L. 67 *gibba* Gm.  
 768 *cicatricosa* Meu. 69 *bisulcata* Wag.  
 770 *pila* Reeve. 71 *ventricosa* Mart.  
 772 *sulcosa* Born. 73 *canaliculata* Brug.  
 774 *pyrum* L. 75 *nodulosa* Gm.  
 776 *vibex* L. 77 sp.  
 778 *Cypræa cervus* L. 79 *cervinetta* Ki.  
 780 *exanthema* L. 81 *argus* L.  
 782 *testudinaria* L. (3 Ex.) 83 *amarata* Meu.  
 784 *arabica* L. 85 *reticulata* Martyn.  
 786 *arlequina* Ch. (11 Ex.) 87 *mappa* L. (2 Ex.)  
 788 *stercoraria* L. 89 *mus* L. 90 *mauritiana* L.  
 791 *caput serpentis* L. 92 *isabella* L. 93 *talpa* L.  
 794 *carneola* L. 95 *lurida* L. 96 *cinerea* Mart.  
 797 *vitellus* L. 98 *lynx* L. 99 var.  
 800 *pantherina* Sol. 1 *tigris* L. (25 Ex.)  
 802 *moneta* L. 3 *annulus* L. 4 *asellus* L.  
 805 *clandestina* L. 6 *hirundo* M. 7 *caurica* L.  
 808 *crenata* Bolt. 9 *erronea* L. 10 *felina* Gm.  
 811 *fimbriata* Gm. 12 *arabica* Lm.  
 813 *maculata* Gray. 14  *picta* Gray.  
 815 *sanguinolenta* Gm. 16 *pyrum* Gm.  
 817 *onyx* L. 18 *succinta* L. 19 *undata* Lm.  
 820 *ziczac* L. 21 *lutea* Meu. 22 *microdon* Lm.  
 823 sp. n.? m. *rub.* 24 *cylindrica* Born.  
 825 *punctata* L. 26 *quadrifasciata* Gr.  
 827 (*Luponia*) *algoensis* Gr. (6 Ex.) 28 *flaveola* L.  
 829 *spurca* L. 30 *ocellata* L. 31 *miliaris* Gm.  
 832 *turdus* Lm. 33 *erosa* L. 34 *cribraria* L.  
 835 *stolida* L. 36 sp.  
 837 (*Pustularia*) *staphylæa* L. 38 *nucleus* L.  
 839 *cicercula* L. 40 *globulus* L. 41 sp.  
 842 (*Trivia*) *pustulata* Lm. 43 *Solandri* Gr.  
 844 *pediculus* L. 45 *europæa* Mtg.

- 846 rotunda Ki. 47 suffusa Gr. 48 nivea Gr.  
 849 pulex Sol. 50 ovulata Lm. (2 Ex.)  
 851 costata Gm. 52 australis Lm.  
 853 *Ovula ovum* L. 54 var minor.  
 855 carnea Poiret. 56 verucosa L.  
 857 gibbosa L. 58 volva L.  
 859 *Erato Maugeræ* Gray.

Ordo. II. Rhachiglossata Gr.

- 860 *Marginella muscaria* Lm. 61 glabella L.  
 862 irrorata Mke. 63 rosea Lm.  
 864 pyrum Meu. 65 pellucida Pf.  
 866 apicina Mke. 67 subcörulea Mart. 68 sp.  
 869 vesiculata Mart. 70 marginata Born.  
 891 quinqueplicata Lm. 92 angustata So.  
 893 carnea Ki.  
 894 (*Persicula*) fasciata Mart. 95 persicula L.  
 896 muralis Kinds. 97 interruptelineata Mühlf.  
 898 monilis L. 99 minima Guild.  
 900 *Volvarina pallida* L. 1 lactea Ki. 2 sp.  
 903 *Hyalina pellucida* Schum.  
 904 *Melo indica* G. 5 diadema Lm.  
 906 *Yetus olla* L. 7 philippinum L. 8 cymbium L.  
 910 *Voluta vespertilio* L. 11 var. 12 var.  
 913 hebræa L. 14 mamilla Meu.  
 915 angulata Wng. 16 brasiliiana Ch.  
 917 musica L. 18 fulgura Mart. 19 undulata Lm.  
 920 lapponica L.  
 921 *Cithara (Harpa) major* Mart. 22 nablium Mart.  
 923 nobilis Mart. 23\* rosacea Mart (3 Ex.)  
 924 crassa Phil. 25 minor Mart.  
 926 *Ancillaria glabrata* L. 27 ampla Gm.  
 928 caffra Forsk. 29 var.  
 930 *Oliva (Lintricula) vesica* Gm. Patagon.  
 931 (*Agaronia*) megalomastoma Meu.  
 932 (*Olivancillaria*) brasiliensis Ch.  
 933 chlaneophila Ducl.  
 934 (*Utriculina*) gibbosa Born. 34 lutaria Boll.

- 935 *acuminata* Lm.  
 936 (*Strephona flammulata* Lm. 37 *reticularis* Lm.  
 938 *ispida* Link. 39 *peruviana* Lm.  
 940 *porphyrea* L. 41 spm. max. lg. 140 m.  
 942 (*Porphyria*) *porphyreticus* Mart. 3 sp.  
 943 *sericea* Bolt. 44 *tremulina* Lm.  
 945 *irisans* Lm. 46 *mauritiana* Mart. 46\* var.  
 947 *tricolor* Lm. 48 *sanguinolenta* Lm.  
 949 *emicator* Meu. 50 *episcopalis* Lm.  
 951 *ispidula* L. 52 var plur.  
 953 (*Carmione*) *avellana* Lm. 54 *undata* Lm.  
 955 *bulbosa* Bolt. 56 *inflata* Lm.  
 957 *tuberosa* Bolt.  
 958 (*Galeola*) *carneola* Lm. 59 *tessellata* Lm.  
 960 (*Olivella*) *jaspidea* Gm. 61 *nivea* Gm.  
 962 *oryza* Lm. 62\* *millepunctata* Ducl.  
 963 *semistriata* Gray.  
 964 *Lamprodoma volutella* Lm. Panama.  
 965 *Bullia gradata* Dh. 66 *armata* Gr.  
 967 *lævigata* Ch. 68 *digitale* Meu.  
 969 *annulata* Lm.  
 970 (*Pseudostrombus*) *tranquebarica* Bolt.  
 971 *vittata* L. 72 *granulosa* Lm. 73 *livida* R.  
 974 *Lamarckii* Kien.  
 975 *Euryta aciculata* Lm.  
 976 *Nassa glans* L. 77 *suturale* Lm.  
 978 *foliorum* Gm. 79 *dorsata* Bolt.  
 980 *tænia* Gm. 81 *fasciata* Ch.  
 982 *foveolata* Dbr. 83 *monile* Ki.  
 984 *hepatica* Pult. 85 *corniculum* Oliv.  
 986 *Pfeifferi* Dkr. 87 *mutabilis* L.  
 988 *papillosa* L. 89 *marginulata* Lm.  
 980 *subspinosa* Lm. 91 *reticulata* L.  
 992 *cancellata* Ch. 93 *obsoleta* Say.  
 994 *margaritifera* Dkr. 95 *incrassata* Ström.  
 996 *pygmæa* Lm. (spm. tricent.)  
 997 *ambigua* Pult. 98 *plicosa* Dkr.  
 999 *antillarum* Ph. 1000 *Cuvieri* Payr.

- 1001 semigranosa Dkr. 2 trivittata Say.  
 3 Gayi Hi. 4 unidentata Powis.  
 5 prismatica Ch. 6 plicata Bolt.  
 7 Rumpfö Dh. 8 arcularia L.  
 9 scalariformis Ch. 10 coronata Brug.  
 11 gibbosula L. 12 Thersites Brug. 13 sp.  
 11 Cyclope neritea L. 12 var.  
 13 Desmoulea ventriosa Lm. Guinea.  
 14 Phos senticosa L. 15 unicineta Say.  
 16 Cylene lyrata Lm.  
 17 Eburna spirata L. 18 canaliculata Sch.  
 19 Molliana Ch.  
 20 Tritonium undatum L. 21 grönlandicum Ch.  
 21\* Cominella porcata Gm. 22 lagenaria Lm.  
 23 Pisania tranquebarica Ch. 24 spirale Gr.  
 25 undosa L. 25 proteus R. 26 rubiginosa R.  
 27 sulcata Gm. 28 auritula Link. 29 pusio L.  
 30 striata Gm. 31 hederacea Mart.  
 32 Pusionella nifat Ad. 33 rapulum Reeve.  
 33 Sinistralia maroccana Ch. (specim 100).  
 34 Fusus forceps Perry 35 longicauda Borg.  
 36 lineatus Ch. 37 multicarinatus Lm.  
 38 polygonoides Lm. 39 parvulus Bolt.  
 40 nicobaricus.? 41 colus L.  
 42 Neptunea antiqua L. 43 fornicata Fbr.  
 43\* (Sipho) gracilis D. C. (spm. dissectum).  
 44 Cassidula colossea Lm. 45 tuba Gm.  
 46 ternatana Ch. 47 morio L.  
 48 pugilina Born. 49 paradisiaca Mart.  
 50 umbilicata Gm. 51 galeodes Lm.  
 52 patula L. 53 melongena L. 54 var.  
 55 Busycum conaliculatum L. 56 perversum L.  
 57 (Tudiela) spirillus L.  
 58 Fasciolaria tulipa L. 59 filamentosa Ch.  
 60 trapezium L.  
 61 Turbinella rapa Lm. 62 pyrum L.  
 63 gravis Sol. 64 scolymus Ch.  
 65 (Vasum) muricatum Born. 66 cornigera L. 67 sp.



- 1068 (*Leucozonia*) *fuscata* Gm. 69 *brasiliانا* d'o.  
 70 *nigella* Ch. 71 *triserialis* Lm.  
 72 *cingulata* Lm. 73 *smaragdulus* L.  
 74 *Lathirus annulatus* Bolt. 75 *filamentosus* Bolt.  
 76 *ananas* Ch. 77 *polygonum* L.  
 78 *Peristernia nassatula* Lm. 79 sp.  
 80 *Trophon Geversianum* Pall.  
 81 *craticulatum* Fbr. 82 *clathratum* L. fos.  
 83 *plicatum* Martyn. Sitka.  
 84 *Murex (Vitularia) labiosus* Gr. 85 *scaber* Ch.  
 86 *secundus* Lm. 87 *hexagonus* Lm.  
 88 *uncinarius* Lm. 89 *erinaceus* L.  
 90 *nuceus* Mörch (6 Ex.) 91 *Moquinianus* Duval.  
 92 *trunculus* L. 93 *saxatilis* L. 94 *duplex* Mart.  
 95 *brassica* Lm. 96 *melanoleucus* Mörch.  
 97 *regius* Sws. 98 *bicolor* Val.  
 99 *pomiformis* Marl. 1100 *alatus* Bolt.  
 1101 *triqueter* Born. 2 *infumatus* Mart.  
 3 *palmæ rosæ* Lm. 4 *rubiginosus* Lm.  
 5 *ramosus* L. 6 *rubicundus* Lm.?  
 7 *calcitraba* Lm. 8 *inflatus* Lm.  
 9 *virgineus* Bolt. 10 *senegalensis* Gm.  
 11 *bellus* R. 12 *chrysostomus* Gr.  
 13 *haustellum* L. 14 *trapa* Bolt.  
 15 *tribulus* L. 16 *duplicatus* Ch.  
 17 *ternispina* Lm.? 18 *Branderis* L.  
 19 *cornutus* L. 20 sp. 21 sp.  
 22 *Enzina ferruginosa* R. 23 *turbinella* Ki.  
 24 *mendicaria* L. 25 *Duclosiana* So.  
 26 *undata* Ch.  
 27 *Ricinula monile* Ch. 28 *tuberculata* Blv.  
 29 *ricinus* L. 30 *albolabris* Blv. 31 *horrida* Lm.  
 32 *Purpura echinata* Blv. 33 *nodosa* L.  
 34 *stellata* Bolt. 35 *hippocastanum* L.  
 36 *Savignyii* Dh. 37 *nodulosa* Gm.  
 38 *castanea* Bolt. 39 *patula* L. 40 *pansa* Gould.  
 41 *columellaris* Lm. 42 *persica* L.  
 43 *Rudolphi* L. 44 *grisea* Bolt.

- 1145 *chocolatum* Duclou. 46 *Blainvillei* Gr.  
 47 *hæmastoma* L. 48 *cingulata* L.  
 49 *lapillus* L. 50 *squamosa* Lm. 51 sp.  
 52 *Monoceros crassilabrum* Lm. 53 var. plur.  
 54 *Concholepas peruvianus* Lm.  
 55 *Rapana lacera* Born. 56 *coronata* Lm.  
 57 *bezoar* L. 58 *rapiformis* Born.  
 59 *Coralliophila galea* Ch. 60 *plicata* Mart.  
 61 *neritoidea* Lm.  
 62 *Columbella labiosa* Sow. 63 *major* Sow.  
 64 *rustica* L. 65 *mercatoria* L. & var.  
 66 *pardalina* Lm. 67 *scripta* Lm.  
 67\* *punctata* Lm. 68 var. *fulgurata*.  
 69 (*Nitidella*) *lævigata* Lm. 70 *nitida* Lm.  
 71 (*Pyrene*) *flava* Brug. 72 *tringa* Lm.  
 73 (*Conella*) *ovulata* Lm. 74 *dormitor* Sow.  
 75 (*Meta*) *ovuloides* Ad.  
 76 (*Mitrella*) *rugosa* So. 77 *terpsichore* Leathes.  
 78 *pulchella* Ki. 79 *scripta* L.  
 80 *ocellata* Gm. 81 sp.  
 82 *Mitra papalis* L. 83 *pontificalis* Lm.  
 84 *episcopalis* L. 85 *cardinalis* Meu.  
 86 *sphærolata* Mart. 87 *clathrus* Gm.  
 88 (*Cancilla*) *interlirata* R.  
 89 (*Nebularia*) *adusta* Ch. 90 *chrysostoma* Sw.  
 91 *nodulosa* Gm. 92 *barbadensis* Gm.  
 93 *fusca* Sw. 94 *lutescens* Lm.  
 95 (*Volutomitra*) *grönlandica* Ch.  
 96 (*Strigatella*) *paupercula* L. 97 *virgata* R.  
 98 *decurtata* R.  
 99 (*Turricula*) *crebrilirata* R. 1200 *ebena* Br.  
 1201 *plicaria* L. 2 *vulpecula* L. 3 *cinctella* Lm.  
 4 *melongena* L.

### Ordo 3. Toxoglossata.

- 5 *Cancellaria reticulata* L. 6 *rugosa* Lm.  
 7 *asperella* Lm. 8 *nassa* Gm. 8 *nodosa* Ch.  
 9\* *Admete viridula* Fab.

- 1210 *Terebra maculata* L. 11 *dimidiata* L.  
 12 *muscaria* L. 13 *subulata* L. 14 *varia* Meu.  
 15 *crenulata* L. 16 *duplicata* L. 17 *Lamarekii* Dh.  
 18 *hastata* Gm. 19 *fusca* Mart. 20 *cinerea* Born.  
 18\* *cingula* Ki. 19\**affinis* Gr. 20\**commaculata* Gm.  
 21 *Clionella sinuata* Born. cap.  
 22 *Pleurotoma babylonia* L. 23 *tigrina* Lm.  
 24 *australis* Ch. 25 *tornata* Dill.  
 26 *javana* L. 27 *alata* Ch.  
 28 *Crassispira fucata* Reeve.  
 29 *Daphnella lymnæiformis* Ki.  
 30 *Conus marmoreus* L. 31 *nocturnus* Hw.  
 32 *imperialis* L. 33 *nicobaricus* Hw. long. 70 m.  
 34 long. 50 m. 35 *arachnoideus* Gm.  
 36 *fuscatus* Born. 37 *zonatus* Hw.  
 38 *leucostictus* Gm. 39 *aurantius* Hw.  
 40 *cedonulli* Hw. trit. long. 35 m. 41 *varius* L.  
 42 *verrucosus* Hw. 43 *mindanus* Hw.  
 44 *mus* Hw. 45 *bæticus* R. 46 *mahogani* R.  
 47 *gladiator* Brod. 48 *punctatus* Hw.  
 49 *lividus* Hw.  
 50 (*Puncticulis*) *ceylonicus* Ch. 51 *pulicarius* Hw.  
 52 *fustigatus* Hw. 53 *arenatus* Hw.  
 54 (*Coronaxis*) *minimus* L. 55 *musicus* Hw.  
 56 *sponsalis* Ch. 57 *nux* Brod. 58 *hebræus* L.  
 59 *princeps* L. 60 var.  
 61 (*Cylindrella*) *sulcatus* Hw.  
 62 (*Nubecula*) *geographus* L. 63 *tulipa* L.  
 64 (*Lithoconus*) *millepunctatus* L. 65 *litteratus* L.  
 66 *eburneus* Hw. 67 *tessellatus* Born.  
 68 *flavidus* Lm. 69 *virgo* L.  
 70 *quercinus* Hw. 71 sp.  
 72 (*Dendroconus*) *figulinus* L. 73 *betulinus* L.  
 74 *papilionaceus* Hw. 75 *genuanus* L. Guinea.  
 76 (*Leptoconus*) *spurius* Gm. 77 *leoninus* Hw.  
 78 *amadis* Hw. 79 *cassis* Meu. (*acuminatus* Lm.  
 80 *erythræensis* Bk. 81 *ammiralis* L. long. 50 m.  
 82 *thalassiarchus* Gr.

- 1283 (*Rhizoconus*) miles L. 84 vexillum Mart.  
 85 leopardus Meu. 86 capitaneus L.  
 87 mustelinus Hw. 88 fumigatus Hw.  
 89 hyæna Hw. 90 malaccanus Hw.  
 91 centurio Born. 92 monile L. 93 generalis L.  
 94 senator Hw. 95 planorbis Born.  
 96 lineatus Ch. 97 tahitensis Hw.  
 98 erinaceus Hw. 99 daucus L. 1300 augur Hw.  
 1302 magus L. 3 consors So. 4 lignarius R.  
 1305 (*Chelyconus*) testudinarius Mart. 6 achatinus Ch.  
 7 informis Hw. 8 mercator L.  
 9 mediterraneus Hw. 10 catus Hw.  
 11 nivosus Lm. 12 purpuratus Brod.  
 13 (*Phasmoconus*) radiatus Gm. 14 cinereus Hw.  
 15 stramineus Lm. 16 pygmæus R.  
 17 sugillatus R. 18 nitidulus R. 19 bullatus L.  
 20 gubernator Hw. 21 striatus L.  
 22 stercus muscarum L.  
 23 (*Cylinder*) aulicus L. 24 omaria Hw.  
 25 pennaceus Born. 26 verriculum R.  
 27 textile L. 28 abbas Hw. 29 canonicus Hw.  
 30 reticulatus Hw. 31 clavus L.  
 32 (*Hermes*) australis Ch. 33 terebra Born.  
 34 granulatus L. 35 pertusus Hw. 36 fabula So.  
 37 glans Hw. 38 nussatella L.  
 39 mitratus Brod. 40 coccineus Gm.  
 41 (*Conella*) pyriformis Reeve. Panama.

## Ser. II. Diotocardia.

### Class. 3. Aspidobranchia.

#### Ord. 1. Rhipidoglossata.

- 42 *Trochatella pulchella* Gray. Jamaica.  
 43 *Lucidella aureola* Fer. Jam.  
 44 *Helicina neritella* Lm. 45 *zephyrina* Ducl. Mex.  
 46 *flavida* Mke. 47 *brasiliensis* Gray.  
 48 *citrina* Grat.



- 1349 (*Alcacia*) *major* Gr. 50 *Brownii* Ad.  
 51 *Hollandi* Ad. 52 *consanguinea* Ad. 53 sp.  
 54 (*Idesa*) *subfusca* Mke. 55 *striata* Mke.  
 56 *Schazicheila Nicoleti* Schut. Mexico.  
 57 *Proserpina nitida* Guild.  
 58 *Hydrocena Sirkii* Parr.  
 59 *Neritina granosa* Sow. 60 *fluviatilis* L.  
 61 *coronata* Leach. 62 *brevispina* Lm.  
 63 *punctulata* Lm. 64 *philippinarum* Sow.  
 65 *ramosa* Meu. 66 *turrita* Ch.  
 67 *triangularis* Meu. 68 *zebra* Lm.  
 69 *turriculata* Mke. 70 *virginea* L.  
 71 *chlorina* Link. 72 *Matoni* Recl. 73 *pupa* L.  
 74 *tristis* do. 75 *viridis* L. 76 *reclivata* Say.  
 77 *Nertia aibicilla* L. 78 *marginata* Gm.  
 79 *chamæleon* L. 80 *bizonalis* Lm. 81 *plexa* Ch.  
 82 *diversicolor* Mart. 83 *distans* Recl.  
 84 *veria* Mea. 85 *nigerrima* Ch. 86 sp.  
 87 (*Odontostoma*) *polita* L. 88 *Rumphii* Recl.  
 89 *florescens* Ch. 90 *Chemnitzii* Recl.  
 91 *histrio* L. var.?  
 91\* (*Pila*) *maris rubri* Ch. (*quadricolor* Gm.)  
 92 *ornata* Sow. 93 *plicata* L. 94 *costata* Ch.  
 95 *variegata* Ck. 96 *peloronta* L.  
 97 *Phasianella tritonis* Ch. 98 *speciosa* Mtf.  
 99 *minutissima* Dkr. 10 *pullus* L.  
 1400 *Turbo* (*Senectus*) *petholatus* L. 1 *marmoratus* L.  
 2 sp. 3 sp. L. 4 *sparverius* Ch.  
 5 *margaritaceus* L. 6 *ticaonicus* R.  
 7 *radiatus* Gm. 8 *chrysostomus* L.  
 9 *castaneus* Ch. 10 *Spenglerianus* Ch.  
 11 *argyrostomus* L. 12 *cornutus* L.  
 12\* (*Prisogaster*) *niger* Gray. 13 var.  
 13\* (*Lunella*) *sarmaticus* L. 14 *helicinus* Born.  
 15 *complanatus* Ch. 16 *granulatus* Ch.  
 17 *mespilus* Ch. 18 *creniferus* Ki.  
 19 (*Bolma*) *rugosa* L.  
 20 (*Astralium*) *phæbium* Link. 21 *calcar* L.

- 1422 ramosus Meu. 23 cælatus Ch.  
 24 tuber L. 25 sp.  
 26 *Rotella monilifera* Lm. 27 suturalis Lm.  
 28 elegans B. 29 vestiaria L.  
 30 rosea Lm. 31 sp.  
 32 *Trochus (Tectus) dentatus* Forsk.  
 33 Forskålii Bolt. 34 pyramis Born.  
 35 fenestratus Gm. 36 sp.  
 37 (*Polyodonta*) maculatus L. 38 niveus Ch.  
 39 alveare Gm. 40 granularis Bolt.  
 41 turboides Bolt. 42 sp. 43 sp.  
 44 (*Clanculus*) jujubinus Gm. 45 civicus Gm.  
 46 villanus Phil. 7. 48 pharaonius L.  
 49 Viellotü Payr. 50 sp. 51 sp.  
 52 *Monodonta labeo* L. 52 rugulosa Ad.  
 53 (*Euchele*) denigratus Ch. 55 asper Ch. 56 sp.  
 57 (*Cantharidus*) badius Gr. 58 sp.  
 59 (*Rankivia*) fulminans Mke. 60 var.  
 60 (*Zizyphinus*) bicingulatus Lm.  
 61 tranquebaricus Ch. 62 venosus Mtlf.  
 63 striatus L. 64 zizyphinus L.  
 65 hyacinthinus Ren. 66 sp.  
 67 (*Trochocochelea*) pellis serpentis L.  
 68 turbinatus Wood. 69 lugubris Lm.  
 70 turbiniformis Salis.  
 71 Listeri Gray-Madeira.  
 72 (*Oxystele*) impervius Mke. 73 merula Ch.  
 74 *Photinula violacea* King. 75 lineata Phil.  
 76 *Diloma araucana* d'orb. Chile.  
 77 *Livona pica* L. 78 var. 79 paradoxa Boru.  
 80 *Omphalius argyrostomus* Gm. 81 rusticus Gm.  
 82 ater Less. 83 microstomus d'o.  
 84 excavatus Lm. 85 fasciatus Born.  
 86 nassaviensis Ch. 87 indusü Ch.  
 88 quadricostatus Gr. 89 brasilianus Mke.  
 90 (*Monilea*) callifera Lm. (2 Ex.)  
 91 (*Forskålia*) declivis Forsk. 92 fanulum Gm.  
 93\* (*Gibbus*) magus L. 93 ardens L.

- 1494 umbilicaris L. 95 albidus Gm.  
 95\* cinerarius L. 96 umbilicalis DC.  
 97 capensis Gm.  
 98 (Phorcus) variegatus Risso.  
 99 Margarita helicina Fbr. 1500 grönlandica Ch.  
 1501 Liotia cruentata Mühlf. 2.  
 3 Delphinula laciniata 4 var.  
 5 Stomatella imbricata Lm. 6 coccinea Ad.  
 7 picta Ad.  
 8 Haliotis Cracherodü Leach. 9 tuberculata L.  
 10 varia L. 11 lamellosa Lm.  
 12 coccinea R. J. Canar. 13 pustulosa R.  
 14 virginea Ch. 15 diversicolor R.  
 16 asinina L. 17 midæ L.  
 18 splendens Mawe. 19 parva L.  
 20 Fissurella nodosa Born. 21 græca L.  
 22 Listeri d'o. 23 costata Less.  
 24 peruviana Lm. 25 barbadensis Gm.  
 26 peruviana Lm. 27 personata Lm.  
 28 hiradiata Sow. 29 crassa Lm.  
 30 radiosa Less. 31 pustula L.  
 32 Fissurellidæa scutellum Gm. Cap.  
 33 Emarginula octoradiata Gm. 34 emarginata L.

Ordo II. Heteroglossa Gray.

- 35 Tectura stellaris Q & G. 36 viridufa Lm.  
 37 pustula Helb. 38 fungus Meu.  
 39 melanosticta Gm. 40 ancylus Esch.  
 41 testudinalis Müll. 42 melanoleuca Gm.  
 43 leucopleura Gm. 44 sp.  
 45 Scurria scurra Less. Chile.  
 46 Lepeta cæca Müll. (10 Ex.)  
 47 Patella gorgonica Hpr. 48 plicata Born.  
 49 granatina L. 50 petasus Meu.  
 51 langula Meu. 52 spinosula Meu.  
 53 costosoplicata Mart. 54 vulgata L.  
 54\* tramoserica Ch. 55 rota Ch.  
 56 testudinaria L. 57 ænea Martyn.

- 1558 magellanica Gm. 59 clypeater Less.  
 60 albida Mart. 61 granularis L.  
 62 cochlear Born. 63 compressa L.  
 64 var P. miniata Born. 65 cornea Helb.  
 66 pellucida L. 67 var. 68 sp.  
 69 Chiton marmoratus Ch. 70 fasciatus Wood.  
 71 tuberculatus L. 72 Cumingü Frb.  
 73 latus Frb. 74 squamosus L.  
 75 granosus Frb. 76 articulatus Sow.  
 77 (Tonicia) chilensis Frb. 78 marmoreus Fbr.  
 79 (Acanthopleura) salamander Spgl.  
 80 piceus Gm. 81 tuberculiferus Sow.  
 82 Dentalium entalis L. 83 sp.

### Cephalopoda.

- 84 Argonauta argo L. 85 oryzata L. 86 hians Sol.  
 87 Sepia officinalis L.  
 88 Hammonia spirula L.  
 89 Nautilus pompilius L. spm. plur.

### Class. IV. Acephala.

#### Ord. I. Monomya.

- 91 Brechites penis L. Aspergillum disjunctum Dh.  
 92 aquarius Boll.  
 93 Gastrochæna hians Ch. 94 rostrata Spgl.  
 95 Teredo (Uperotis) cucurbita Meu.  
 96 navalis L. c. anim.  
 96\* Pholas dactylus L. 97 costata L.  
 98 crispata L. 99 striata L. in ligno.  
 1600 Lutraria magna DC. 1 elliptica Lm.  
 2 Mactra fragilis Ch.  
 3 (Eastonia) rugosa Helb.  $\frac{1}{2}$  valv.  
 4 alata Spgl. 5 lævis Ch. Tranqueb.  
 6 violacea Ch. 7 stultorum L. 8 glabrata L.  
 9 nitida Spgl Guinea 14 Ex.  
 10 Mya truncata L. 11 arenaria L. in tupho.  
 12 Anatina subrostrata Lm.



- 1613 *Panopæa glycimeris* Born. valv solit.  
 14 *Solen zeylanensis* Leach 15 *corneus* Lm.  
 16 *brevis* Gr. 17 *abbreviatus* Lm.  
 18 *macha* Molina. 19 *ensis* L. 20 *magnus* Sch.  
 21 (*Pharus*) *legumen* L. 2 Ex.  
 22 (*Siliqua*) *radiatus* L. 23 *minutus* L.  
 24 (*Tagelus*) *bidentatus* Spgl. 25 *gibbus* Sp.  
 26 *tagal* Blv.  
 27 (*Macha*) *strigillatus* L.  
 28 *Asaphis dichotoma* Aut. 29 *deflorata* L.  
 30 *coccinea* Martyn.  
 30\* *Solenotellina rostrata* Spgl. 31 *chinensis* Ch.  
 32 *rubra* Ch.  
 33 *Sanguinolaria nivea* Ch.  
 34 *Gari ferröense* Gm. 35 *vespertinum* Gm.  
 36 *Tellinides timoriensis* Lam.  
 37 *Homala triangularis* Ch. Cap. b. sp.  
 38 *Tellina planata* L. 39 *punicea* Born.  
 40 *striata* L. 41 *polita* Poli. 42 *radiata* L.  
 43 var. *T. unimaculata* Lm. 44 *Antoni* Phil.  
 45 *interrupta* Sol. 46 *pulchella* Lm. 47 *rostrata* L.  
 48 *virgata* L. 49 *marginalis* Sol. 50 *cruciata* Spgl.  
 51 *rug.* Born. 52 *scobinata* L. 53 *fausta* Sol.  
 54 *incarnata* L. 55 *tenuis* DC. 56 *similis* Sow.  
 57 *vulsella* Ch. 58 *perna* Spgl. 59 *lævis* Ch.  
 59\* (*Macoma*) *truncata* Jon. 60 *sabulosa* Spgl. Isld.  
 61 *baltica* L. 62 *Suensoni* Mörch. Desh. Brasil.  
 63 *Scrobicularia edentula* Spgl. Tranquebar.  
 64 *Strigilla carnaria* L. 65 *pisum* L.  
 66 *Semele (Amphidesma) purpurasceus* Gm.  
 67 *reticulata* L.  
 68 *Mesodesma donacia* Lm. 69 *cornea* Poli.  
 70 *striata* Ch.  
 71 *Sunetta scripta* L. 72 *meroe* L.  
 73 *Donax scortum* L. 74 *denticulata* L.  
 75 *rugosa* Lm. 76 *cuneata* L. 20 Ex.  
 77 *trunculus* L. 78 *lævigata* Ch.  
 79 *violacea* Meu. 80 *ænea* Mörch.

- 1681 *Iphigenia brasiliensis* Lm.  
 82 *Coralliophila dactylus* Brug.  
 83 *Rupellaria irus* L.  
 84 *Saxicava rhomboidea* Poli. M. med.  
 85 *Petricola lithophaga* Retz. 86 *lapicida* Ch.  
 87 *Naranio monstrosa* Ch.  
 88 *Choristodon typicum* Jonas (4 Ex.)  
 89 *Venus pullastra* Mtg. 90 *decussata* L.  
 91 *aurea* Gm. 92 *litterata* L. 1793 *textrix* Ch.  
 1704 *dura* Gm. *Guinea*. 5 *malabarica* Gm.  
 6 *pinguis* Ch. 7 *radiata* Ch. M. rub.  
 8 (*Cryptogramma*) *brasiliana* Gm. 9 *squamosa* L.  
 10 *impressa* Ant. 11 (*Chamelea gallina* L.  
 12 *mercenaria* L. 13 *Dombeyi* Lam.  
 14 *granulata* Gm. 15 *pectorina* Lm. 16.  
 17 (*Circomphalus*) *dysera* L. *Guinea*.  
 18 *callophylla* Phil. 19 *roburata* Hanl.  
 20 *fasciata* Don. 21 *ziczac* Ch. 22 *paphia* L.  
 23 (*Omphaloclathrum*) *lamellaris* Sch.  
 24 *pygmæa* Lm. 25 *Listeri* Gr.  
 26 *puerpera* L. 27 *reticulata* L.  
 28 var. m. rub. 30 *rugosa* Ch.  
 31 *verrucosa* L. 32 *rosalina* Ch.  
 33 *Cytherea* (*Cice*) *scripta* L. 34 *rivularis* Born.  
 35 *divaricata* Ch. 36 *pectinata* L.  
 37 *Savignyü* Jon. 38 *varia* Forsk.  
 39 *arabica* Ch. 40 *castrensis* L.  
 41 *fulminea* Bolt.  
 42 (*Lioconeba*) *affinis* Gm. 43 *Kingii* Gm. 44 sp.  
 45 (*Dione*) *dione* L. 46 *longispina* Mörch.  
 47 *circinata* Bor. 48 *purpurata* Lam.  
 49 (*Callista*) *erycina* L. 50 *chinensis* Ch.  
 51 *chione* L. 52 *maculata* L.  
 53 (*Meretrix*) *petechialis* L.  
 54 *lusoria* Ch. vera. valv. solit.  
 55 *inscripta* L. 56 *impudica* Ch. 57 *exilis* Ch.  
 58 *Tivela tripla* L. 59 *mactroides* Born.  
 60 *trigonella* Lm.

- 1761 *Dosinia concentrica* Born. 62 *exoleta* L.  
 63 *juvenis* Ch. 64 *exasperata* Ph.  
 64\* *Cyclina chinensis* Ch.  
 65 *Galatea reclusa* Dh Guinea.  
 66 *Cyrena sumatrensis* Sow.  
 67 *bengalensis* Lm. valv. solit.  
 68 *Corbicula fluviatilis* Müll. (50 Ex.) *fluminea* Mü.  
 69 *Batissa nicobarica* Prime.  
 70 *Sphærium riviculum* Leach.  
 71 *Corbula nucleus* Lm.  
 72 *trigona* Hinds Senegal.  
 73 *Ervillia nitens* Turt. Antill.  
 74 *Lyonsia striata* Bosc.  
 75 *Pandora inæquivalvis* L.  
 76 *Lucina quadrisulcata* d'o. 77 *chrysostoma* Meu.  
 78 *Jamaicensis* Spg. 79 *pensylvanica* L.  
 80 *aurantia* Dh.  
 81 (*Codakia*) *tigerina* L. 81\* var.  
 82 *Cardium spinosum* Meu. 83 *lima* Spgl.  
 84 *ringens* Ch. 85 *costatum* L.  
 86 *aculeatum* L. 87 *echinatum* L.  
 88 *erinacum* L. 89 *rusticum* L.  
 90 *multispinosum* Sow. 91 *setosum* Redf.  
 92 *ciliatum* Fab. 93 *papillosum* Poli.  
 94 *isocardia* L. 95 *muricatum* L.  
 96 *leucostomum* Born. 97 *flavum* L.  
 98 (*Liocardium*) *multipunctatum* Sow.  
 99 *citrinum* Ch. 1800 var. *lineata*  
 1801 *norvegicum* Spgl. 2 *elatum* Sow. Calif.  
 3 (*Serripes*) *grønlandicus* Ch.  
 4 (*Fragum*) *medium* L. 5 *nredo* L.  
 6 *hemicardium* L. 7 *cardissa* L. 8 var.  
 8 *Chama macerophylla* Ch. 9 *ferruginea* R.  
 10 *lobata* Brod. 11 *sinuata* Brod. 12 sp.  
 12\* *Cardita rostrata* Gm. 13 *trapezia* L.  
 14 (*Beguina*) *variegata* Bing. 15 *calyculata* L.  
 16 (*Thecalia*) *concamerata* Ch. Cap.  
 17 *Isocardia cor* L.

- 1818 *vulgaris* Reeve China (2 Ex).  
 19 *Cyprina islandica* L.  
 20 *Astarte semisulcata* Leach. 21 *compressa* L.  
 22 *sulcata* DC. 23 *crebricostata* Forb.  
 24 *striata* Leach. 25 *castanea* Say.  
 26 *Arca occidentalis* Phil. 27 *umbonata* Lm.  
 28 *arabica* Mus. Fref. 29 *domingensis* Lm.  
 30 *fusca* Brug. 31 *Listeri* Phil. 32 *candida* Helb.  
 33 *foliata* Forsk 34 *torta* Stp. 4 Ex. 35 sp.  
 36 (*Scapharca*) *indica* Gm. 37 *inæquivalvis* Ch.  
 38 *candida* Helb.  
 39 (*Anadara*) *notabilis* Bolt. 40 *scapha* Meu. 4 Ex.  
 41 *granosa* L.  
 42 (*Senilia*) *senilis* L. Guinea.  
 43 *Axinæa* (*Pectunculus*) *violascens* Lm.  
 44 *decussata* L. 45 *mutabilis* Ch. (*sicula* R.)  
 46 *pectinata* Gm. 47 *pectunculus* L.  
 48 *Solenomya solen* Marschl.  
 49 *Nuculana pernula* Müll. 50 *buccata* Stp.  
 51 *minuta* Müll.  
 52 *Nucula tenuis* Gray.  
 53 *Hyria* (*Triquetra*) *obliqua* Sch. 54 var? *valv. solit.*  
 55 *Unio* (*Truncilla*) *triquetra* Rf.  
 56 (*Orthonymus*) *cylindricus* Say.  
 57 (*Quadrula*) *metanever* Rf. 58 *quadrula* Rf.  
 59 (*Pleurobema*) *cordata*. 60 *ebenus* Lea.  
 61 *trigonus* Lea.  
 62 (*Crenodonta*) *plicatus* Say.  
 63 (*Metaptera*) *megaptera* Rf. 64 *gracilis* Rf.  
 65 (*Lampsilis*) *crassus* Say. 66 *virginianus* Lm.  
 67 *radiatus* Lm. 68 *Elliptio dilatatus* Rf.  
 69 (*Mysca*) *Liebmanni* Phil.  
 70 *aztecorum* Phil. Mexico.  
 71 (*Naïa*) *corrugata* Müll.  
 72 *testudinarius* Spgl. J. or.  
 73 (*Tritogenia*) *verrucosa* Rf.  
 74 (*Complanaria*) *complanata* Bar. 75 var.  
 76 *Margaritana margaritifera* L.



- 1877 *Alasmodonta undulata* Say.  
78 *Anodontina corpulenta* Say.

Ordo. 2. *Heteromya*.

- 79 *Isognomum alatum* Gm. 80 *perna* L.  
81 *ephippium* L.  
82 *Malleus vulgaris* L. 83 *albus* Ch.  
83\* *Vulsella spongiarum* Lm.  
84 *Margaritifera radiata* Lench. 85 *foliacea* Bolt.  
86 *imbricata* Bolt.  
87 *Avicula tarentina* Lm. 88 *colymbus* Bolt.  
89 *Pinna rudis* L. 90 *pernula* Ch. 91 *incurvata* Ch.  
92 *muricata* L. 93 *inflata* Ch. 94 *nigra* Ch.  
95 *dolabrata* Gm.  
95\* *Mytilus edulis* L. 96 *ungulinus* L. 97 *perna* L.  
98 *africanus* Ch. 99 var. 1900 *variegatus* Ch.  
1902 *smaragdinus* Ch. 3 *platensis* d'o.  
4 *cochlear* Mke. Mexico. 5 *bifurcatus* Conr.?  
6 *exustus* L.  
7 *Septifer bilocularis* L. Nicobar.  
8 *Dreissena polymorpha* Pall.  
9 *Modiola auriculata* Kraus. M. rub.  
10 *americana* Fav. 11 *umbilicata* Pennt.  
12 *ovalis* Lm. 13 *citrina* Bolt.  
14 *Modiolarca trapezina* Lm. Fret. Magell.  
15 *Lithophaga dactylus* Sow. 16 *nigra* d'o.  
17 *bisulcata* d'o. 18 *lithoglypha* Meu.

Ord. 3. *Monomya*.

- 19 *Hippopus maculatus* L.  
20 *Tridacna gigas* L. jun. 21 *elongata* Lm.  
22 *Lima scabra* Born. 23 *tenera* Ch.  
24 *squamosa* Lm. 25 *inflata* Ch.  
26 *Limatula sulculus* Leach. Grönland.  
27 *Pecten islandicus* Müll. 28 *ornatus* Lm.  
29 *superficialis* Forsk. 30 *undatus* Born.  
31 *senatoris* Ch. 32 *varius* L. 33 *radula* L.  
34 *nodosus* L. 35 *pallium* L. 36 *opercularis* L.

- 1937 nucleus Born. 38 sp. 39 glaber L.  
 40 septemradiatus Müll. 41 japonicus Ch.  
 42 pyxidatus Born. 43 ziczac L.  
 44 maximus L. 45 jacobæus L.  
 46 Spondylus imperialis Reeve. (3 Ex.)  
 47 sinensis Sow, 48 fimbriatus Meu.  
 49 gæderopus L. 50 var. 51 aculeatus Ch.  
 52 nicobaricus Ch. 53 variegatus Ch.  
 54 Plicatula ramosa Lam. 55 spondyloidea Meu.  
 56 Ostrea crista galli L. 57 frons L.  
 58 parasitica Ch. 59 Forskålii Ch.  
 60 cognata Ch. 61 angularis Lm.  
 61\* Placuna sella Gm. 62 placenta L.  
 63 Anomia ephippium L. 64 squamosa L.

### Brachionopoda.

- 64\* Bouchardia rosea Humphr. Brasil.  
 65 Waldheimia Gaudichaudi Blv. Chile. 2 Ex.  
 66 Terebratella chilensis Brod.  
 67 Lingula luzona Meu.  
 68 Orbicula lamellosa Brod.

### Echinodermata.

- 69 Asterias helianthus Lm. 70 rubens L.  
 71 Echinaster sp. radiis IV.  
 72 Cribella rosea Müll.  
 73 Solaster papposus L.  
 74 Asterina gibbosa Pennt.  
 75 Lobophora biforis Gm.  
 76 Laganum pastilla Meu.  
 77 Artocrea rosacea L. (Clypeaster). 78 var. 5 Ex.  
 79 Echinocyamus pusillus Müll. 4 Ex.  
 80 Echinoneus ovalis L. 81 reniformis.  
 82 Brissus columbaris Lam.  
 83 Echinolampas ovatus Leske. (oviformis Gm.)  
 84 Diadema sp.

- 1985 *Tripneustes angulata* Lesk.  
 86 *Salmacis rarispinus* Ag.  
 87 *Echinus esculentus* L. 88 *melo* Lm.  
 89 *Psammechinus* sp.?  
 90 *Toxopneustes dröbachiensis* Müll.  
 91 *Echinometra serrata* Schum. 92 *Michelinii* Des?

### Fossilia.

- 93 *Angelin Museum palæontologicum svecicum.*  
 Petref. form. transitionis. 50 spec. circ.  
 200 spmina.  
 94 *Ceratites nodosus* Schl<sup>l</sup> 2 Ex.  
 95 *Avicula socialis.*  
 96 *Trigonia navis* Sch. 97 *Encrinus liliiformis.*  
 98 *Miltha.* 99 *Gryphæa incurva & vesicularis.*  
 2000 *Cyprina Gaimardi* Martin.  
 1 *Mallotus villosus* Müll.  
 2 *Fossilia danica.* *Magas pumila.* *Crania Aalborg.*  
 6 *Cypræa bullata* *Terebratula* etc.

- 
- 8 15 Reagentsglas med Crustacea (*Ampipod* af *Sturio*) etc.  
 9 15 do. med Annelida.  
 10 6 do. med Radiata.  
 11 10 do. med grønlandske Bløddyr.  
 12 6 *Clione*, *Dendonotus*, *Aeolis*, *Limacina* etc.  
 13 10 Glas med Reptilier, *Psammophis elegans* Rhrt. etc.  
 14 Cranier af forsk. Pattedyr (sep.)  
 15 Et Skelet af en Abe (En Arm mangler).  
 16 Cranier af tropiske Fugle (sep.)  
 17 Cranier af Reptilier, en Giftslange etc.  
 18 En stor *Hippocampus* og flere mindre.  
 19 Nogle tørrede Fik.  
 20 Flere Kasser Insecter (sep.)  
 21 Omtrent 50 Arter Alger paa Glas, især fra Tingis. Med Artsbestemmelse. (1823.)

- 2022 Lapis e vesica Dionys de Bodewalds 1647.  
 23 Calculi e vesica Elisæ Munck Gestorphi.  
 24 Materia medica etc.  
 25 10 „Prøver af Toy fra de Vilde i Sydsøen“  
 Fra Cooks Reise.  
 26 3 Sæt Krystalformer. (sep.)  
 27 3 Stykker Dobbelspat. 2 Stk. Sølv etc.  
 28 En Samling Mineralier (sep.)  
 29 To Glober. 1 Brændglas.  
 30—31 2 Skabe med 12 Skuffer, 24 Tom brede.  
 32—33 2 do. med 14 do. og Reoler, 44 Tom.  
 brede.  
 34 1 do. med 3 do.  
 35 Æsker, Glas etc.
-



4<sup>th</sup> 3.

C A T A L O G U E

O F T H E

U N I O S ,

A L A S M O D O N T A S , A N D A N O D O N T A S

O F T H E

O H I O R I V E R A N D I T S N O R T H E R N T R I B U T A R I E S ,

A D O P T E D B Y T H E

W E S T E R N A C A D E M Y O F N A T U R A L S C I E N C E S ,

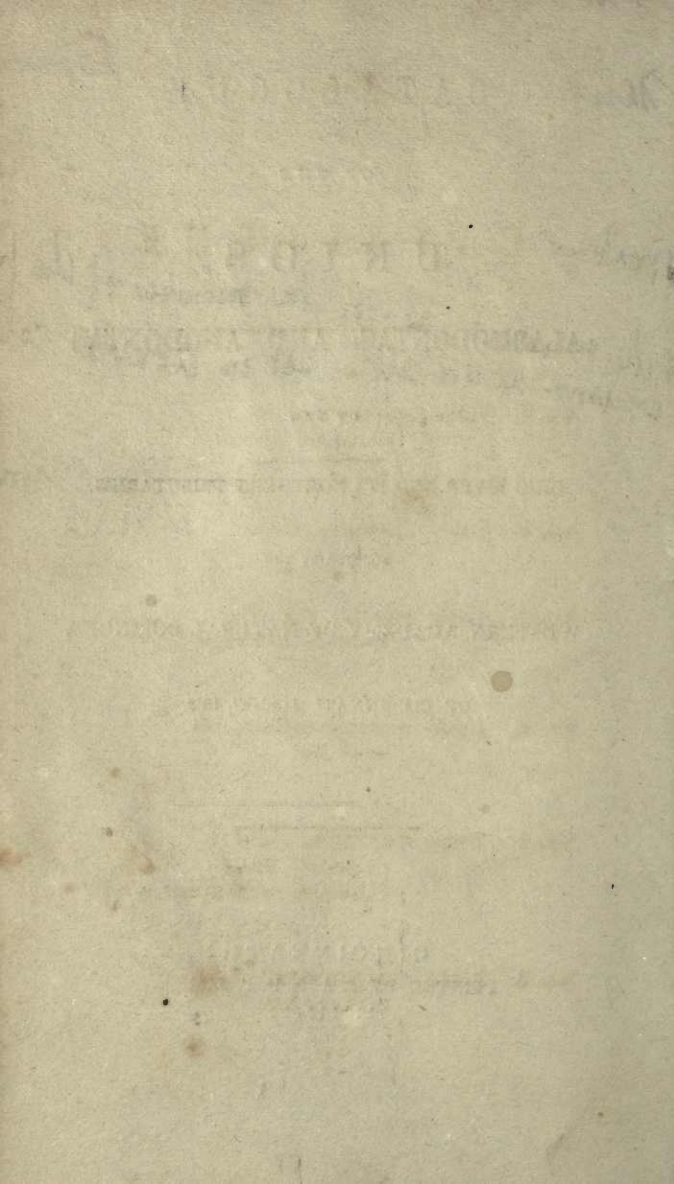
O F C I N C I N N A T I , J A N U A R Y , 1 8 4 9 .



C I N C I N N A T I :

P R I N T E D B Y J . A . & U . P . J A M E S

.....



omit - CATALOGUE.

place the number of the column at the left - set in double col

No. 1. **Unio abruptus**, Say.  
orbiculatus, Hildreth.

put these names in italics

No. 2. **Unio Æsopus**, Green.

No. 3. **Unio alatus**, Say.  
megaptera, Rafinesque.

No. 4. **Unio anodontoides**, Lea.  
teres? Raf.

No. 5. **Unio Catillus**, Conrad.  
coccineus? Hild.  
Gouldianus, (white nacre,) Ward.

No. 6. **Unio cicatricosus**, Say.  
varicosus, Lea.

# CATALOGUE

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No. 1. *Uta stansburiana*, Say.  
Common in Illinois.

No. 2. *Uta stansburiana*, Say.

No. 3. *Uta stansburiana*, Say.  
Common in Illinois.

No. 4. *Uta stansburiana*, Say.  
Very rare.

No. 5. *Uta stansburiana*, Say.  
Common in Illinois.  
Occurrence (white neck) West.

No. 6. *Uta stansburiana*, Say.  
Very rare.



/ **No. 7. Unio circulus**, Lea.

lens, Lea.

subrotunda? Raf.

/ **No. 8. Unio clavus**, Lamarck.

scalenia, Raf.

patulus, Lea.

/ **No. 9. Unio compressus**, Lea.

symph. compressa, Lea.

**No. 10. Unio Cooperianus**, Lea.

/ **No. 11. Unio cornutus**, Barnes.

/ **No. 12. Unio crassus**, Say.

ellipsaria, Raf.

ellipticus, Barnes.

carinatus, Barnes.

ligamentina, Lam.

/ **No. 13. Unio cylindricus**, Say.

naviformis, Lam.

solenoides, Raf.

No. 1. This volume contains the records of the first session of the Council of the University of Toronto, held in the year 1827.

No. 2. This volume contains the records of the second session of the Council of the University of Toronto, held in the year 1828.

No. 3. This volume contains the records of the third session of the Council of the University of Toronto, held in the year 1829.

No. 4. This volume contains the records of the fourth session of the Council of the University of Toronto, held in the year 1830.

No. 5. This volume contains the records of the fifth session of the Council of the University of Toronto, held in the year 1831.

No. 6. This volume contains the records of the sixth session of the Council of the University of Toronto, held in the year 1832.

No. 7. This volume contains the records of the seventh session of the Council of the University of Toronto, held in the year 1833.

No. 14. **Unio cuneatus**, Barnes.  
nigra, Raf.

No. 15. **Unio dehiscens**, Say.  
oriens, Lea.

No. 16. **Unio donaciformis**, Lea.  
zig-zag, Lea.

No. 17. **Unio ebenus**, Lea.

No. 18. **Unio elegans**, Lea.

No. 19. **Unio ellipsis**, Lea.

No. 20. **Unio flavus**, Raf.  
rubiginosus, Lea.  
trigonus? Lea.

No. 21. **Unio flexuosus**, (male,) Raf.  
foliatus, (female,) Hildreth.

No. 22. **Unio fragosus**, Conrad.

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/ **No. 23. Unio gibbosus**, Barnes.  
nasutus, Lam.  
dilatata, Raf.  
arctior, (white nacre,) Lea.

/ **No. 24. Unio glans**, Lea.

/ **No. 25. Unio gracilis**, Barnes.  
symph. gracilis, Lea.

/ **No. 26. Unio iris**, Lea.  
subrostratus? Say.

/ **No. 27. Unio irroratus**, Lea.  
stegaria? Raf.

**No. 28. Unio lævissimus**, Lea.  
symph. lævissima, Lea.

/ **No. 29. Unio lapillus**, Say.  
fabalis, Lea.

**No. 30. Unio monodontus**, Say.  
soleniformis, Lea.

No. 10. State Treasurer, Tex.  
Austin, Tex.



No. 11. State Treasurer, Tex.



No. 12. State Treasurer, Tex.  
Austin, Tex.

No. 13. State Treasurer, Tex.

Austin, Tex.

No. 14. State Treasurer, Tex.  
Austin, Tex.

No. 15. State Treasurer, Tex.  
Austin, Tex.

No. 16. State Treasurer, Tex.  
Austin, Tex.

No. 17. State Treasurer, Tex.  
Austin, Tex.

No. 31. **Unio multiradiatus**, Lea.  
fasciola? Raf.

*nodosus*

No. 32. **Unio ~~nodosus~~**, Barnes.  
metanevra? Raf.

*nodulatus*

No. 33. **Unio ~~nodulatus~~** Raf.  
pustulatus, Lea.

No. 34. **Unio ovatus**, Say.

No. 35. **Unio parvus**, Barnes.

No. 36. **Unio perplexus**, Lea.  
gibbosa? Raf.

No. 37. **Unio personatus**, (female,) Say  
capillaris, (female,) Lea.  
pileus, (male,) Lea.

No. 38. **Unio phaseolus**, Hildreth.  
planulatus, Lea.  
camelus, Lea.

No. 1. State of New York, in  
County of ...

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Page 2



No. 39. **Unio planus**, Barnes.  
 leptodon, Raf.  
 velum. (female,) Say.  
 An. purpurascens, Swainson.  
 tenuissimus, Lea.

*Unio a*

No. 40. **Unio plicatus**, Say.  
 costata, Raf.  
 rariplicata, Lam.  
 undulatus, Desh.

No. 41. **Unio politus**, Say.  
 subrotundus, Lea.

No. 42. **Unio pustulosus**, Lea.  
 verrucosus albus, Hild.

No. 43. **Unio Rangianus**, Lea.

No. 44. **Unio rectus**, Lam.  
 prælongus, Barnes.  
 latissima, Raf.

*retusus*

No. 45. **Unio retusus**, Lam.  
 torsa, Raf.

*latissima*

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No. 16. This plan ...  
 ...  
 ...

No. 46. ~~Unio rugosus~~, Barnes.  
 quadrula? Raf.  
 lacrymosus, Lea.  
 asperrimus, Lea.

No. 47. **Unio Sayii**, Ward.

No. 48. **Unio securis**, Lea.  
 depressa? Raf.

No. 49. **Unio siliquoideus**, Barnes.  
 inflatus, (female,) Barnes.

No. 50. **Unio sulcatus**, (male,) Lea.  
 ridibundus, (female,) Say.

No. 51. **Unio triangularis**, Barnes.  
 cuneatus, Swainson.  
 formosus, (male,) Lea.  
 triqueter? Raf.

No. 52. **Unio tuberculatus**, Barnes.  
 tuberculosus, Valenciennes.  
 verrucosa, Raf.





**No. 53. Unio undatus**, Barnes.

cardiacea, Say.

mytiloides, Raf.

obliqua, Lam.

pyramidatus, Lea.

*undulatus***No. 54. Unio ~~undulatus~~**, Barnes.

heros, Say.

multiplicatus, Lea.

**No. 55. Unio ventricosus**, Barnes.

cardium? Raf.

occidens, (female,) Lea.

subovatus, (male,) Lea.

**No. 56. Unio verrucosus**, Barnes.

tuberculata, Raf.

graniferus, Lea.

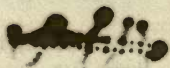
**No. 57. Alasmodonta ambigua**, Say.

Unio Hildrethianus, Lea.

**No. 58. Alasmodonta calceola**, Lea.

deltoidea? Lea.

Unio calceola, Lea.



No. 59. *Alasmodonta confragosa*, Say.

No. 60. *Alasmodonta complanata*, Barnes.

No. 61. *Alasmodonta rugosa*, Barnes.  
costata, Raf.

No. 62. *Alasmodonta truncata*, Say.

No. 63. *Anodonta areolata*, Swainson  
Alas. edentula, Say.

No. 64. *Anodonta Ferussaciana*, Lea.

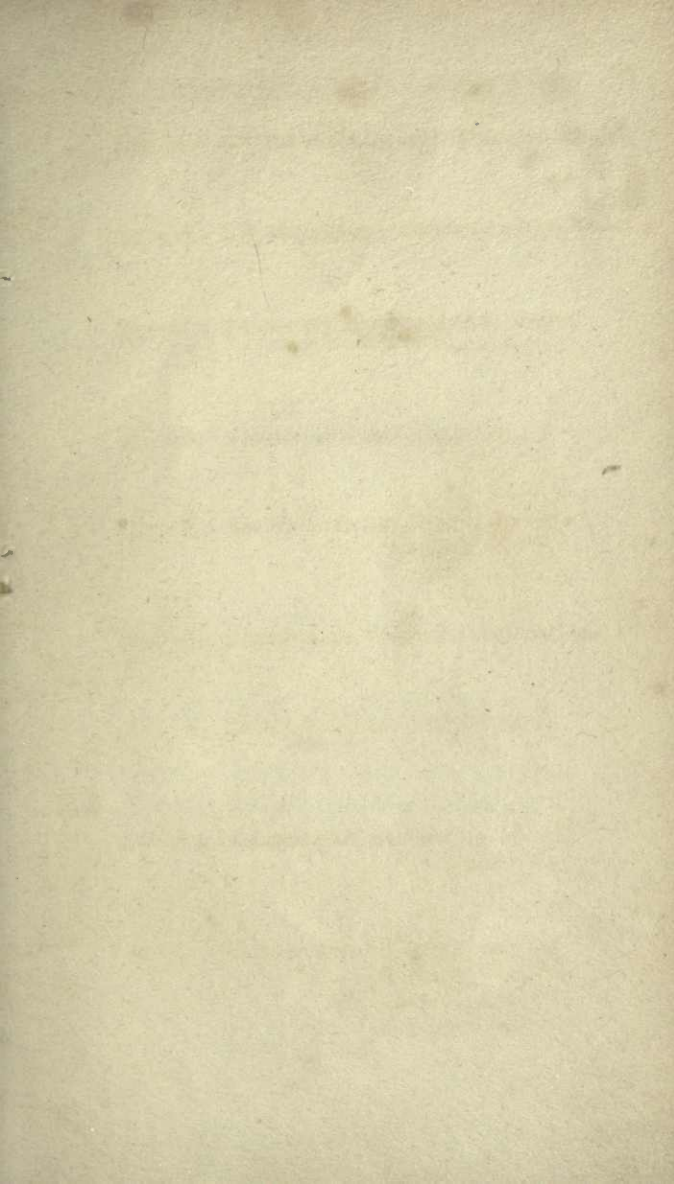
No. 65. *Anodonta imbecilis*, Say.  
incerta, Lea.

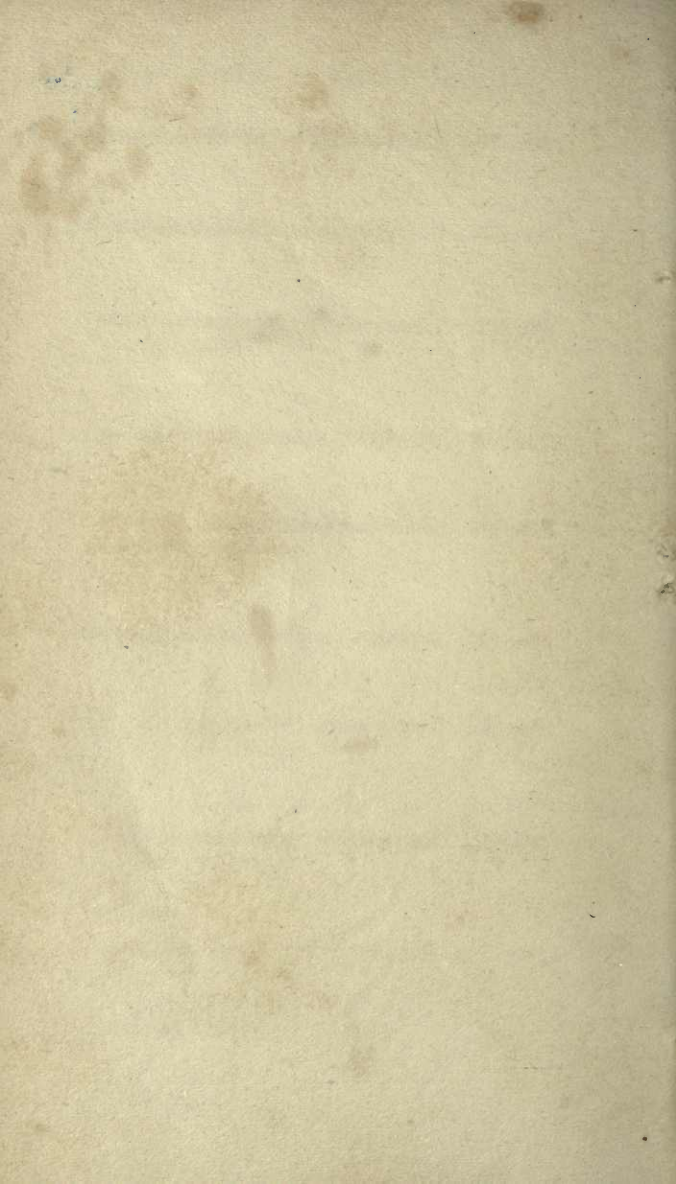
No. 66. *Anodonta pavonia*, Lea.  
Wardiana, Lea.

No. 67. *Anodonta plana*, Lea.  
decora, (young,) Lea.  
grandis? Say.  
gigantea, Lea.

18  
No. 10. [Faint text]  
No. 11. [Faint text]  
No. 12. [Faint text]  
No. 13. [Faint text]  
No. 14. [Faint text]  
No. 15. [Faint text]  
No. 16. [Faint text]  
No. 17. [Faint text]  
No. 18. [Faint text]  
No. 19. [Faint text]  
No. 20. [Faint text]







4  
3  
CATALOGUE

OF THE

SHELLS OF THE UNITED STATES,

WITH THEIR LOCALITIES,

(SECOND EDITION,)

BY

CHARLES M. WHEATLEY,

*Member of the Lyceum of Natural History, New York. Cor-  
responding Member of the National Institute, Washington,  
of the Troy Lyceum of Natural History, &c.*

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NEW YORK:

1845.

ONWARDS

1873

THE UNITED STATES

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WASHINGTON:

PRINTED BY JOHN T. TOWERS.

1845.

## P R E F A C E .

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On presenting the second edition of my Catalogue to correspondent, I respectfully remark, that it is intended more as a medium of facilitating exchanges than as a complete catalogue of American shells. There are, no doubt, many mistakes which cannot be obviated except through the kindness of my correspondents, who, I trust, will inform me of errors and omissions.

It will give me great pleasure to exchange specimens of American or foreign shells. All species marked thus (\*) I have already in my collection, of course such as are not thus designated will be particularly acceptable, though I shall be pleased to receive in exchange live and perfect shells, *native or foreign*, and will supply, as far as in my power, what may be desired in return.

CHARLES M. WHEATLEY,  
323 Grand street, New York.

MARCH, 1845.

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322 Grand Street, New York.

March, 1845.

WHEATLEY'S


NEW YORK

1845



## CATALOGUE.

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 A letter is annexed to the name of each Shell, denoting its abundance or rarity, as follows:—

A—Shell abundant; can always be furnished.

B—More rare, but can occasionally be furnished.

C—Rare; can seldom be supplied.

D—Extremely rare, a few specimens only having been found.

	1	<i>Dentalium dentale</i>	Linn.	C	Stomachs of fish.
✓	2	“ <i>entalis</i>	“	C	Maine.
✓	3	* <i>Pectinaria Belgica</i>	Lam.	A	New York Bay.
	4	“ ?	Gould	C	Mass. Bay.
✓	5	* <i>Sabellaria</i> ?		A	New York Bay.
✓	6	* <i>Terebella conchilega</i>	Lam.	A	Staten Island N.Y.
	7	<i>Amphitrite ventilabrum</i>	Lam.	B	Mass. Bay.
✓	8	* <i>Spirorbis nautiloides</i>	Lam.	A	New Bedford.
✓	9	* “ <i>spirillum</i>	“	B	Mass. Bay.
	10	“ <i>sinistrorsa</i>	Gould	C	“ “
✓	11	* <i>Serpula vermicularis</i>	Linn.	A	Mass. Bay.
✓	12	* <i>Coronula diadema</i>	Lam.	B	Back of Whales.
	13	* “ <i>aperta</i>	“	C	South Carolina.
✓	14	* <i>Balanus eburneus</i>	Gould	A	Mass. Bay.
✓	15	* “ <i>elongatus</i>	“	A	“ “
	16	“ <i>geniculatus</i>	Conrad	C	“ “

17	*	<i>Balanus miser</i>	Lam.	B	New York Bay.
18	*	" <i>nigrescens</i>	"	B	Mass. Bay.
19	*	" <i>rosacens</i>	"	B	New Bedford.
✓ 20	*	" <i>rugosus</i>	Mont.	B	Mass. Bay.
✓ 21	*	" <i>tintinnabulum</i>	Lam.	A	" "
✓ 22	*	" <i>ovularis</i>	"	B	" "
23	*	<i>Conopœa elongata</i>	Say	B	South Carolina.
✓ 24	*	<i>Anatifa dentata</i>	Brug.	A	New Bedford.
✓ 25	*	" <i>lœvis</i>	Lam.	A	New York Bay.
✓ 26	*	" <i>striata</i>	"	A	" "
✓ 27	*	" <i>vitrea</i>	"	A	Staten Island.
✓ 28	*	<i>Cineras vittata</i> †	Lam.	B	New York.
29	*	<i>Otion Cuvieri</i> †	Lam.	B	New York.
✓ 30	*	<i>Teredo navalis</i> " <i>palmulatus</i> <sup>0</sup>	Lam. Linn.	A	Staten Island. I. C.
✓ 31	*	<i>Pholas crispata</i>	Linn.	C	San. Hook, N. Y.
✓ 32	*	" <i>costata</i>	"	C	South Carolina.
33	*	" <i>cuniefornis</i>	Say	C	Georgia.
✓ 34	*	" <i>oblongata</i>	"	C	"
✓ 35	*	" <i>truncata</i> " <i>semicostata</i> <sup>Lea</sup>	"	B	Staten Island. I. C.
✓ 36	*	<i>Gastrochœna modiolina</i>	Lam.	B	South Carolina.
✓ 37	*	<i>Solen ensis</i>	Linn.	A	Staten Island.
✓ 38	*	" <i>viridis</i>	Say	B	Rhode Island.
✓ 39	*	" <i>siliqua</i>	Linn.	B	New York Bay.
✓ 40	*	<i>Solecurtus caribœus</i>	Blain	B	San. Hook, N. Y.
41	*	" <i>fragilis</i> }	Conrad	B	New Bedford.
42	*	" <i>centralis</i> }	"	B	Georgia.
✓ 43	*	<i>Machœra nitida</i>	Gould	B	Stom. of Cod-fish.

†These two form the Genus *Gymnolepas* of Blainville.

- |      |   |                      |   |                     |
|------|---|----------------------|---|---------------------|
| ✓ 44 | * <i>Macnæra costata</i>                                  | Gould                | B | Mass. Bay.          |
| ✓ 45 | * <i>Panopæa arctica</i>                                  | Gould                | D | Stom. of Cod-fish.  |
| ✓ 46 | * <i>Glycimeris siliqua</i>                               | Lam.                 | A | Provincetown, Ms.   |
| ✓ 47 | * <i>Mya arenaria</i>                                     | Linn.                | A | Staten Island.      |
| ✓ 48 | * " <i>truncata</i>                                       | "                    | B | Mass. Bay.          |
| ✓ 49 | <i>Anatina papyracea</i>                                  | Say                  | C | Rhode Island.       |
| ✓ 50 | * <i>Cochlodesma Leana</i>                                | Gould                | B | Staten Island.      |
| 51   | * <i>Thracia Conradi</i>                                  | Couth                | C | Mass. Bay.          |
| ✓    | " <i>truncata</i>   | Mighls               | C | Maine.              |
| ✓ 52 | * <i>Osteodesma hyalina</i>                               | Couth                | A | Staten Island.      |
| ✓ 53 | * <i>Lutraria canaliculata</i>                            | Say                  | B | South Carolina.     |
| ✓ 54 | " <i>lineata</i>  | "                    | C | "                   |
| ✓ 55 | * <i>Cumingia tellinoides</i>                             | Conrad               | B | New Bedford.        |
| ✓ 56 | * <i>Mactra lateralis</i>                                 | Say                  | A | New York Bay.       |
| ✓ 57 | ✓ " <i>similis</i>  | "                    | C | South Carolina.     |
| ✓ 58 | * " <i>solidissima</i>                                    | Chemn.               | A | Staten Island.      |
| 59   | " <i>fragilis</i>   | "                    | C | South Carolina.     |
| 60   | " <i>nucleus</i>  | Conrad               | C | New Jersey.         |
| ✓ 61 | * " <i>ovalis</i><br><i>oblongata</i><br><i>elliptica</i> | <sup>Say</sup> Gould | B | Mass. Bay.<br>L. C. |
| ✓ 62 | * <i>Mesodesma arctata</i>                                | Gould                | B | Mass. Bay.          |
| ✓ 63 | * " <i>Jauresii</i>                                       | DeJohn.              | B | " "                 |
| 64   | <i>Montacuta bidentata</i>                                | Mont.                | B | New Bedford.        |
| ✓ 65 | * <i>Kellia rubra</i>                                     | Turton               | B | New Bedford.        |

✓ 66	*Gnathodon cuneata	Gray	B	New Orleans.
67	* " flexuosa	Conrad	C	" "
✓ 68	Solemya borealis	Totten	C	Rhode Island.
✓ 69	* " velum	Say	B	Long Island.
70	Amphidesma flexuosa	Lam.	C	Massachusetts.
71	" orbiculata	Say	C	Georgia.
72	" equalis	"	C	"
73	" punctata	"	C	"
74	" radiata	"	C	"
75	" lepida	"	C	South Carolina.
76	" transversa	"	C	Georgia.
✓ 77	*Corbula contracta	Say	B	New Bedford.
✓ 78	*Pandora trilineata	Say	A	Staten Island.
✓ 79	*Saxacava rugosa	Lam.	B	Mass. Bay.
✓ 80	* " distorta	Say	B	" "
✓ 81	" rhomboides	Desh.	C	" "
✓ 82	*Petricola pholadiformis	Lam.	A	Staten Island.
✓ 83	* " dactylus	Say	B	New Bedford.
✓ 84	*Sanguinolaria fusca	Conrad	A	Long Island.
✓ 85	* " rugosa	Lam.	B	Florida.
86	" lusoria	Conrad	C	New Jersey.
✓ 87	* " sordida	Gould	C	Mass. Bay. X
✓ 88	*Tellina alternata	Say	B	South Carolina.
✓ 89	* " polita	"	B	"
✓ 90	* " iris	"	B	"
91	" flexuosa	"	C	"
✓ 92	* " tenera	"	A	New Jersey.
93	" interstriata	"	C	Florida.
	" interrupta	Soll		S. C.
	" brevifrons	Say		"
	" bayemensis	Bar		"



94	<i>Tellina</i>	<i>lateralis</i>	Say	C	New Jersey.
95	"	<i>decora</i>	"	C	Florida.
96	"	<i>mera</i>	"	C	Mass. Bay.
97*	"	<i>tenta</i>	"	B	"
98	"	<i>calcaria</i>	"	C	"
99	"	<i>nasuta</i>	Conrad	C	Columbia river
100	"	<i>versicolor</i>	Cozzens	C	New York Bay.
✓101	* <i>Lucina</i>	<i>divaricata</i>	Lam.	B	Rhode Island.
102	"	<i>contracta</i>	Say	C	Mass. Bay.
✓103	"	<i>radula</i>	Lam.	C	"
104	"	<i>flexuosa</i> <i>tipina</i>	Gould <i>Lin</i>	C	<i>S. C.</i>
✓105	* <i>Donax</i>	<i>variabilis</i>	Say	B	Georgia.
✓106	* " "	<i>fossor</i>	"	B	Long Island.
✓107	* <i>Capsa</i>	<i>lœvigata</i>	Lam.	C	Florida.
✓108	* <i>Astarte</i>	<i>castanea</i>	Say	B	Staten Island.
✓109	"	<i>lactea</i>	Br.&So.	C	Stom. of fish.
110	"	<i>quadrans</i>	Gould	C	"
✓111	* " "	<i>sulcata</i>	Flem.	B	Coast of Maine.
✓112	"	<i>undata</i>	Gould	C	"
113	"	<i>Portlandica</i> <i>lunulata</i>	Mighls. <i>Comes</i>	C	<i>S. C.</i>
✓114	* <i>Cyclas</i>	<i>similis</i>	Say	A	Ohio.
✓115	* " "	<i>dubia</i>	"	B	"
116	* " "	<i>rhomboidea</i>	"	B	Lake Champlain.
✓117	* " "	<i>partumeia</i>	"	B	Ohio.
118	"	<i>staminea</i>	Conrad	C	Alabama.
119	* " "	<i>edentula</i>	Say	B	Canandaigua, N.Y.
120	* " "	<i>transversa</i>	"	C	Kentucky.
121	"	<i>elegans</i>	Adams	C	Vermont.
122	* " "	<i>nitida</i>	Mighls.	C	Maine?
✓123	"	<i>minor</i>	Adams	C	"
✓124	"	<i>altilis</i>	Anthy.	C	Ohio.

- |                |                              |                  |              |                            |
|----------------|------------------------------|------------------|--------------|----------------------------|
| ✓125           | *Cyrena Carolinensis         | Say              | B            | South Carolina.            |
| ✓126           | *Cyprina Islandica           | Lam.             | A            | Rhode Island.              |
| ✓127           | *Cytherea concentrica        | Lam.             | A            | Virginia.                  |
| ✓128           | * " gigantea                 | "                | A            | Florida.                   |
| 129            | " florida                    | "                | C            | "                          |
| 130            | " occulta                    | Say              | C            | Southern States.           |
| ✓131           | * " convexa                  | "                | B            | New York.                  |
| 132            | Venus elevata                | Say              | C            | South Carolina.            |
| ✓133           | * " exalbida                 | Chem.            | C            | Apalachicola Bay.          |
| 134            | " fluctuosa                  | Gould            | C            | Mass. Bay.                 |
| ✓135           | * " gemma                    | Totten           | B            | Long Island.               |
| 136            | " inequalis                  | Say              | C            | Virginia.                  |
| 137            | " Mortoni                    | Conrad           | C            | "                          |
| ✓138           | * " mercenaria               | Linn.            | A            | New York.                  |
| ✓139           | * " notata                   | Say              | A            | "                          |
| 140            | * " præparça<br>papua        | Linn.            | A            | Cape Cod.                  |
| <del>141</del> | <del>Cardium fasciatum</del> | <del>Mont.</del> | <del>C</del> | <del>South Carolina.</del> |
| ✓142           | * " Grœnlandicum             | Gmel             | B            | Maine.                     |
| ✓143           | * " Islandicum               | "                | B            | "                          |
| ✓144           | * " Mortoni                  | Conrad           | B            | Rhode Island.              |
| ✓145           | * " pinnulatum               | "                | B            | Mass. Bay.                 |
| ✓146           | * " muricatum                | Linn.            | C            | South Carolina.            |
| ✓147           | * " ventricosum<br>isocardia | Brug.<br>Linn.   | B            | "                          |
| ✓148           | *Cardita borealis            | Conrad           | B            | Mass. Bay.                 |
| 149            | " incrassata                 | Sowb.            | C            | Florida.                   |
| 150            | " tridentata                 | Say              | C            | South Carolina.            |
| ✓151           | * Arca ponderosa             | Say              | C            | Florida.                   |
| ✓152           | * " pexata                   | "                | B            | New York.                  |
| ✓153           | * " incongrua                | "                | B            | Georgia.                   |
| ✓154           | * " transversa               | "                | B            | New York.                  |
|                | " Americana                  | Gray             |              | S. C.                      |

✓155	*Arca	zebra	Say	B	Florida.
✓156	Nucula	Jacksonii	Gould	C	Maine. <i>fofsil</i>
✓157	*	limatula	Say	B	New York Bay.
✓158	*	minuta	Gould	B	Nahant.
✓159	*	myalis	Couth.	B	Mass. Bay.
160	"	navicularis	"	C	Plymouth, Mass.
✓161	*	proxima	Say	B	New Bedford.
✓162	*	sapotilla	Gould	C	Cape Cod.
✓163	*	tenuis	"	C	Mass. Bay.
✓164	*	thraciæformis	Storer	D	Stom. of fish.
✓165	*	delphinodonta	Mighls.	C	Maine.
166	"	Cascoensis	"	C	"
		<i>acuta</i>	<i>Conrad</i>		<i>L. C.</i>
167	*Unio	abruptus	Say	B	Ohio.
168	*	<del>abacus</del> acutissimus	<del>Lea</del> <i>HALP</i>	C	<i>Tennessee</i> Alabama.
✓169	*	abeneus	"	C	Black creek, Flo.
✓170	*	alatus	Say	A	Lake Champlain.
171	"	altitlis	Conrad	C	Alabama.
172	"	amœnus	Lea	C	Tennessee.
✓173	*...*	amygdalus	"	C	Lage George, Flo.
✓174	"	anodontoides	"	B	Ohio.
175	*	angustatus	"	C	South Carolina.
176	*	apiculatus	Say	C	Louisiana.
✓177	"	aretatus	Conrad	C	Alabama.
178	*	arctior	Lea	C	Ohio.
179	"	arcus	Conrad	C	Alabama.
✓180	*	arceiformis	Lea	C	Tennessee.
181	"	argenteus	"	C	"
182	"	asper	"	C	Alabama.
✓183	"	asperimus	"	C	Ohio.
✓184	*	ater	"	C	Alabama.
185	"	atro-marginatus	"	C	Georgia.
186	"	Barnesianus	"	C	Tennessee.
187	"	Biglyensis	"	C	"
188	"	Blandingianus	"	C	Florida.

189	Unio	biangularis	Lea	C	Tennessee.
190	"	Boydianus	"	C	New York.
191	"	Boykinianus	"	C	Georgia.
✓ 192	*	" brevidens	"	B	Ohio.
193	"	Brumbyanus	"	C	Alabama.
194	*	" Buckleyi	"	C	Lakes George and Monroe, Flo.
195	*	" Buddianus	"	C	"
196	"	" callosus	"	C	Ohio.
197	"	" camelus	"	C	"
198	"	" camptodon	Say	C	Louisiana.
✓ 199	*	" capsœformis	Lea	B	Western States.
✓ 200	*	" cariosus	Say	A	Eastern rivers.
<del>201</del>	<del>"</del>	<del>" catillus</del>	<del>Lea</del>	<del>C</del>	<del>Ohio.</del>
✓ 202	*	" circulus	Lea	B	"
203	"	" Cincinnatiensis	"	C	"
✓ 204	"	" Clairbornensis	"	C	Alabama.
✓ 205	*	" clavus	Lam.	B	Ohio.
✓ 206	*	" coccineus	Hild.	B	"
✓ 207	*	" cœlatus	Conrad	C	Tennessee.
✓ 208	"	" collinus	"	D	Virginia.
✓ 209	*	" Cooperianus	Lea	C	Ohio.
✓ 210	*	" compressus	"	A	West. riv. & lakes.
✓ 211	*	" complanatus	Lam.	A	Maine to Florida.
✓ 212	*	" Congarœus	Lea	C	Congaree riv. S.C.
✓ 213	*	" confertus	"	C	South Carolina.
✓ 214	*	" Conradicus	Lea	C	Western rivers.
✓ 215	*	" cornutus	Barnes	B	Ohio.
216	"	" cor	Conrad	G	Alabama.
✓ 217	*	" crassidens	Lam.	B	Western rivers.
218	*	" crocatus	Lea	C	Savannah river.
✓ 219	*	" crassus	Say	B	Western rivers.
220	"	" creperus	Lea	C	Tennessee.
221	"	" cuprinus	"	C	"
222	*	" Cumberlandicus	"	B	Cumb. riv. Tenn.
223	"	" cuneolus	"	C	Tennessee.

*castaneus* -  
*Conradicus* Lea -



✓ 224	*Unio	cylindricus	—	Say	B	Western rivers.
225	"	dactylus		Lea	C	Tennessee.
✓ 226	*	"	decisus	—	"	B Alabama.
227	*	"	declivis	—	Say	C "
✓ 228	*	"	dehiscens	—	"	C Ohio.
229	"	dolabelloides		Lea	C	Tennessee.
✓ 230	*	"	dolabræformis	—	"	B Georgia.
231	"	Dorseuillianus	—	"	C	Ohio.
✓ 232	*	"	dromas	—	"	B Tenn. & Ala.
233	"	Duttonianus		"	C	Savannah river.
✓ 234	*	"	Æsopus	—	Green	B Western rivers.
✓ 235	*	"	elegans	—	Lea	B Ohio "
✓ 236	*	"	ellipsis	—	"	B " "
237	"	exiguus		"	C	Georgia.
238	*	"	Edgarinus		"	C Tennessee.
239	"	ellipsiformis		Conrad	B	Michigan.
✓ 240	*	"	ebenus	—	Lea	B Ohio.
✓ 241	"	fabilis	—	"	B	"
✓ 242	*	"	Fisherianus	—	"	C Maryland.
✓ 243	*	"	foliatus	—	Hild.	B Ohio.
244	"	fortuus		Lea	C	Tennessee.
✓ 245	*	"	folliculatus	—	"	C Savannah river.
✓ 246	*	"	fragosus	—	Conrad	C Sciota riv. O.
247	"	furvus		"	C	Alabama.
✓ 248	"	fuscatus		Lea	C	Black Creek, Flo.
249	"	fulvus	—	"	C	South Carolina.
250	"	Geddingianus		"	C	"
251	"	Georgianus		"	C	Georgia.
✓ 252	*	"	gibber	—	"	C CarryFork ri.Ten.
✓ 253	*	"	gibbosus	—	Barnes	B Western rivers.
254	"	glaber	—	Lea	C	Tennessee.
255	*	"	globosus	—	"	B Western rivers.
✓ 256	*	"	glans	—	"	B Ohio.
✓ 257	*	"	gracilis	—	Barnes	B "
258	"	Greeni	—	Conrad	C	Black Warrior riv.
259	"	Griffithianus	—	Lea	C	South Carolina.

260	Unio graniferus	—	Lea	B	Ohio.
261	* " Haysianus	—	"	B	Tennessee.
✓ 262	* " heterodon	—	"	B	Pennsylvania.
263	" Hembeli		Conrad	C	Southern rivers.
✓ 264	" Hildrethianus	—	Lea	C	Western rivers.
265	" Holstonensis		"	C	Tennessee.
✓ 266	* " Hopetonensis	—	"	B	Hopeton riv. Ga.
✓ 267	" inflatus	—	Lea	B	Southwestern rivs.
✓ 268	* " irroratus	—	"	B	Ohio.
269	" increasatus		"	C	Georgia.
270	" interruptus	—	"	C	Harpeth riv. Ten.
271	" infucatus	—	Conrad	C	Alabama.
272	" Jayensis	—	Lea	C	Florida.
✓ 273	* " jejunos	—	"	C	North Carolina.
✓ 274	* " Kirtlandianus	—	"	B	Ohio.
275	" Kathrinæ		"	C	Lake Superior.
✓ 276	* " levissimus	—	"	B	Western rivers.
✓ 277	* " lachrymosus	—	"	B	Ohio.
✓ 278	* " Le Contianus	—	"	C	Conochee riv. Ga.
279	" Le Sueurians		"	C	Tennessee.
280	" lenoir		"	C	"
281	" lineatus		"	C	Georgia.
✓ 282	* " luteolus	—	Lam.	B	Western rivers.
✓ 283	" lienosus	—	Conrad	C	Alabama.
✓ 284	* " lens	—	Lea	B	Western rivers.
✓ 285	* " lanceolatus	—	"	C	North Carolina.
✓ 286	* " lugubris	—	"	B	Georgia.
✓ 287	* " multiplicatus	—	"	B	Western rivers.
✓ 288	* " metanev	—	"	B	Ohio.
✓ 289	" minor		"	C	Lake George and Monroe, Flo.
290	" Monroensis		"	C	Lake Mon. Flo.
✓ 291	* " monodontus	—	Say	C	Ohio.
292	* " modioliformis	—	Lea	C	South Carolina.
✓ 293	* " multiradiatus	—	"	B	Ohio.
294	* " Menkianus	—	"	C	Harpeth riv. Ten.

✓ *intermedius* Gon. Tennessee  
 ✓ *iris* Lea  
 ✓ *Hydianus*

295	Unio	Muhlfeldianus	Lea	C	Cumberland river.
296	"	maculatus	Conrad	C	Alabama.
297	"	Masoni	"	C	Savannah.
✓ 298 *	"	nasutus	Say	B	East. & West. riv.
✓ 299	"	Nashvillianus	Lea	C	Tennessee.
300	"	neglectus	"	C	North Alabama.
301	"	nicestus	"	C	Tennessee.
302 *	"	nitens	"	C	"
✓ 303 *	"	Novi Eborachi	"	B	OakOrc.Ck.N.Y.
304	"	notatus	"	C	Cumberland river.
305	"	obscurus	"	C	Tennessee,
✓ 306 *	"	obesus	"	B	Yorktown, Va.
✓ 307 *	"	obliquus	Lam.	B	Western rivers
✓ 308	"	occultus	Lea	C	Black Creek, Flo.
✓ 309 *	"	ochraceus	Say	B	N. Jersey & Conn.
✓ 310 *	"	ovatus	"	B	Western rivers.
311	"	oviformis	Conrad	C	Alabama
✓ 312 *	"	<del>patellatus</del> patulus	Lea	B	Ohio. <i>J.B.</i>
313	"	paulus	"	C	Georgia.
✓ 314 *	"	parvus	Barnes	B	Ohio.
✓ 315 *	"	perplexus	Lea	B	"
316	"	penitus	Conrad	C	Alabama.
✓ 317 *	"	perdix	Lea	B	Ohio & Tennessee.
318	"	perovatus	Conrad	C	Alabama.
319 *	"	perovalis	"	C	"
✓ 320	"	personatus	Say	C	Ohio.
✓ 321 *	"	phaseolus	Hild.	B	"
322	"	Phillipsii	Conrad	C	Wabash.
✓ 323 *	"	plicatus	Say	B	Ohio.
324	"	plenus	Lea	C	"
✓ 325 *	"	pictus	"	C	Tennessee.
326	"	pilaris	"	C	"
327	"	pileus	"	C	Ohio.
✓ 328 *	"	pyramidatus	"	B	"
✓ 329 *	"	pustulatus	"	B	"
✓ 330 *	"	pustulosus	"	B	"
✓		<i>orbiculatus</i>	<i>Hild.</i>		
✓		<i>perplicatus</i>	<i>Conrad</i>		<i>Louisian J.A.N.S. 8. 17</i>
		<i>penicatus</i>	<i>Haldeman</i>		<i>Virginia J.A.N.S. 8</i>
		<i>modiferus</i>	<i>Conrad,</i>		<i>Louisian J.A.N.S. 8. 17</i>

✓ 331	*Unio	purpuratus	—	Lam.	B	Western rivers.
332	*	"	pumilis	—	Lea	C Black river, N. C.
333	"	"	pusillus	"	C	Georgia.
334	"	"	productus	—	Conrad	C Savannah.
335	"	"	pulcher	—	Lea	C Tennessee.
✓ 336	*	"	rubiginosus	—	"	B Western rivers.
✓ 337	*	"	radiatus	—	"	B Lake Champlain.
338	"	"	Rangianus	—	"	C Ohio.
339	*	"	Ravenelianus	—	"	C South Carolina.
✓ 340	*	"	rectus	—	Lam.	B " "
341	"	"	regularis		Lea	C Tennessee.
✓ 342	*	"	retusus	—	"	B Western rivers.
343	*	"	Roanokensis	—	"	C North Carolina.
344	"	"	rotundatus	—	Linn.	C Louisiana.
345	"	"	rubellus	—	Conrad	C Alabama.
✓ 346	*	"	Sayii		Tappan	B Wisconsin.
✓ 347	*	"	Schoolcraftensis		Lea	B Fox river, Green Bay.
✓ 348	*	"	securis	—	"	B Ohio.
✓ 349	*	"	Shepardianus	—	"	B Georgia.
182 ✓ 350	*	"	siliquoides		Barnes	B Ohio. <i>Luteolus</i>
351	"	"	simus	—	Lea	C Cumberland river.
✓ 352	*	"	Sowerbianus	—	"	C Tenn. & Alabama.
✓ 353	"	"	solidus	—	"	C Ohio.
354	"	"	Sloatianus		"	C Georgia.
✓ 355	*	"	spinosus	—	"	D Ala. & Georgia.
✓ 356	*	"	splendidus	—	"	C Altamaha river.
357	"	"	sparsus		"	C Tennessee.
✓ 358	*	"	stapes	—	"	C Ohio & Alabama.
359	"	"	Stonensis		"	C Tennessee.
360	"	"	strigosus		"	C Georgia.
361	"	"	striatus		"	C "
362	"	"	stramineus	—	Conrad	C Alabama.
✓ 363	*	"	subrotundus	—	Lea	B Ohio.
364	"	"	subplanus		Conrad	C Virginia.
365	*	"	subangulatus		Lea	C Georgia.



✓ 366	*Unio	subovatus	—	Lea	C	Ohio river.
367	*	"	subtentus	—	Say	C Southern rivers.
✓ 368	*	"	sulcatus	—	Lea	B Western rivers.
369	*	"	trapezoides	—	"	C Lake St. Joseph, Louisiana.
370	"	"	Taitianus	—	"	C Tennessee.
✓ 371	*	"	Tappanianus	—	"	B Troy, New York.
372	"	"	tetralasmus	—	Say	C Louisiana.
✓ 373	*	"	tenuissimus	—	Lea	B Western rivers.
374	"	"	tenerus	—	Raf.	B Virginia.
375	"	"	Tennesseensis	—	Lea	C Tennessee.
376	"	"	tener	—	"	C "
377	"	"	tortivus	—	"	C Georgia.
378	"	"	toeniatus	—	Conrad	C Flint river, Ga.
✓ 379	"	"	Troostensis	—	Lea	C Tennessee.
✓ 380	"	"	trigonus	—	"	B Ohio.
✓ 381	*	"	triangularis	—	Barnes	B Western rivers.
382	"	"	trosculus	—	Lea	C Lake Monroe, Flo.
383	"	"	turgidus	—	"	C Bayou Tech, La.
✓ 384	*	"	tuberculatus	—	Barnes	B Western rivers.
✓ 385	*	"	undulatus	—	"	C " "
✓ 386	*	"	varicosus	—	Lea	B Ohio.
387	"	"	vanuxemensis	—	"	C Cumberland river.
388	"	"	Vaughanianus	—	"	C South Carolina.
✓ 389	*	"	ventricosus	—	Barnes	B Lake Champlain.
✓ 390	*	"	verrucosus	—	"	B Ohio.
391	*	"	venustus	—	Lea	C Missouri.
392	"	"	vibex	—	Conrad	C Alabama.
393	"	"	Watereensis	—	Lea	C South Carolina.
394	"	"	Zeiglerianus	—	"	C Cumb. river, Ten.
✓ 395	*	"	Alasmadonta arcula	—	"	D Altamaha river.
396	"	"	cuneyana	—	"	C Tennessee.
✓ 397	*	"	calceola	—	"	B Ohio.
✓ 398	*	"	complanata	—	"	B Western rivers.
399	*	"	confragosa	—	"	B " "

400	*	<i>Alasmadonta deltoidea</i>	Lea	B	Western rivers.
✓ 401	*	" <i>edentula</i>	Say	B	Wabash.
402		" <i>fabula</i>	Lea	C	Cumberland river.
403		" <i>Holstonia</i>	"	C	Holstein river.
✓ 404	*	" <i>marginata</i>	"	B	East. & West. riv.
✓ 405	*	" <i>margaritifera</i>	Lam.	B	Eastern rivers.
406		" <i>radiata</i>	Lea	C	Alabama.
✓ 407	*	" <i>rugosa</i>	"	B	Western rivers.
408	*	" <i>Raveneliana</i>	"	C	North Carolina.
✓ 409	*	" <i>undulata</i>	"	B	New Jersey.
✓		<i>truncata</i>	-		
410		<i>Anodonta argentea</i>	Lea	C	Tennessee.
✓ 411	*	" <i>Benedictensis</i>	"	B	Lake Champlain.
412		" <i>carinifera</i>	Conrad	B	Kentucky.
✓ 413	*	" <i>Couperiana</i>	Lea	B	Georgia.
✓ 414	*	<del>" <i>deceora</i></del>	<del>422</del>	"	B Ohio canals.
415	*	<del>" <i>declivis</i></del>	<del>424</del>	Conrad	B Kentucky.
416	*	" <i>edentula</i>	Lea	B	Western rivers.
417	*	" <i>fragilis</i>	Lam.	C	"
418		<del>" <i>ferruginea</i></del>	<del>420</del>	Lea	C Tennessee.
419		" <i>Footiana</i>	"	C	Fort Winnebago.
✓ 420	*	" <i>Ferrusaciana</i>	"	B	Ohio river.
✓ 421	*	" <i>fluviatilis</i>	"	B	Eastern rivers.
✓ 422		" <i>grandis</i>	41	Say	C Southern "
✓ 423	*	" <i>gibbosa</i>	Lea	C	Georgia.
424		<del>" <i>gigantea</i></del>	<del>422</del>	"	C Mississippi river.
425		" <i>glauc</i>	Lam.	C	Western rivers.
426		" <i>Harpethiana</i>	Lea	C	Harpeth riv. Ten.
✓ 427	*	" <i>implicata</i>	Say	B	Plymouth, Mass.
428	*	" <i>incerta</i>	Lea	B	Ohio.
429		" <i>lugubris</i>	Say	C	Cumberland river.
430		" <i>Marryattiana</i>	Lea	C	Fort Winnebago.
✓ 431	*	" <i>Newtoniensis</i>	"	B	NewtonCreekN.J.
432		" <i>Nuttalliana</i>	"	C	Oregon Territory.
433		" <i>Oregonensis</i>	"	C	"
434		" <i>ovata</i>	415	"	B Ohio.
		<i>imbricata</i>			
		<i>Peperiana</i>			
		<i>Sulphuriana</i>	See		S. B.

✓ 435	* <del>Anodonta</del> <del>papyronia</del> 416	Lea	B	Ohio.
✓ 436	* " <del>plana</del> 422	"	B	"
437	* " <del>salmonia</del> 421	"	C	"
438	" Stewartiana -	"	C	Western rivers.
439	" subvexa -	Conrad	C	Alabama.
440	" suborbiculata -	Say	C	Illinois.
441	* " subcylindræa -	Lea	C	Orleans Co. N. Y.
✓ 442	" undulata -	Say	B	Ohio.
✓ 443	<del>" virgata</del> 416	Conrad	C	"
444	" Wahlamatensis -	Lea	C	Oregon.
✓ 445	<del>" Wardiana</del> 416	"	C	Ohio.
✓ 446	<del>" Buchananensis</del> 416	"	C	Buck Creek, Ohio.
447	" angulata	"	C	Lewis river.
	" <del>plicata</del> Hold.	"		Tennessee
✓ 448	* Chama arcinella	Linn.	C	Florida.
✓ 449	* " Lazarus maculifera	Illan.	C	Key West, Flo.
✓ 450	Modiola Americana	Leach	C	Southern States. <i>tabula Lam</i>
451	" castanea	Say	C	S. C. "
✓ 452	* " <del>cardinea</del> discors	Linn.	C	Mass. Bay.
✓ 453	" discrepans	Mont.	C	Chelsea Beach.
✓ 454	* " glandula	Totten	B	Provincetown, Ms.
✓ 455	* " modiolus	Turton	B	Mass. Bay.
✓ 456	" nexa	Gould	C	Provincetown, Ms.
✓ 457	* " plicatula	Lam.	A	Long Island.
✓ 458	" pectinula <i>atrophaga</i> <i>attenuata</i>	Gould Linn Sedg.	C	Mass. Bay. d. C. "
459	* Mytilus cubitus	Say	C	Georgia.
✓ 460	* " edulis	Linn.	A	New York Bay.
✓ 461	* " hamatus	Say	B	Southern States.
462	" incurvatus	Penn.	C	Mass. Bay.
463	" lateralis	Say	C	Southern States.
464	* " leucophœatus	Conrad	C	"
✓ 465	* " pellucidus	Penn.	A	New York Bay.
466	" ungulatus	Linn.	C	Mass. Bay.
	<i>sumigeris</i> Lam			S. C.

- ✓ 467 *Pinna seminuda* Lam. B South Carolina.  
 ✓ 468 \* " *muricata* Linn. B St. Simon's Island  
 Georgia.  
~~469 \* " *rudis* Linn. C South Carolina.~~  
 ✓ 470 \* *Avicula Atlantica* Lam. B South Carolina.  
 ✓ 471 \* *Lima glacialis* Lam. B Florida.  
 ✓ 472 \* " *squamosa* " B "  
 ✓ 473 \* *Pecten concentricus* Say A New York.  
 ✓ 474 \* " *Islandicus* Chem. B Mass. Bay.  
 ✓ 475 \* " *Magellanicus* Lam. B Maine.  
 476 " *ornatus* " C Florida.  
 ✓ 477 \* " *nodosus* " C "  
 478 \* " *purpuratus* " C Atlantic coast.  
 479 " *tenuicostatus* Mighls. C Maine.  
*dislocatus* Say S. C.  
 ✓ 480 \* *Plicatula ramosa* Lam. C Florida.  
*di cristata* S. C.  
 481 \* *Ostrea Borealis* Lam. A New York.  
 482 " *equestris* Say C Florida.  
~~483 \* " *costata* De Kay B New York. var 48~~  
 484 " *semi cylindrica* Say B Florida.  
 ✓ 485 \* " *Virginiana* Lister A New York.  
*fundata* Say S. C.  
 ✓ 486 \* *Anomia ephippium* Linn. A New York Bay.  
 487 " *undulata* " C Mass. Bay.  
 ✓ 488 \* " *aculeata* Gmel C " "  
 489 \* " *squamula* Linn. C " "  
 490 \* " *electrica* " C " "  
 491 " *var. patellaris* Lam. C New York Bay.  
 ✓ 492 \* *Terebratula psittacea* Lam. B Coast of Maine.  
 ✓ 493 " *caput serpentis* Gould C Mass. Bay.  
~~494 " *thelasma* " " "~~



495	<i>Chiton albus</i>	Mont.	C	Mass. Bay.
✓ 496	" <i>apiculatus</i>	Say	C	Gardiner's Island.
497 *	" <i>Emersonii</i>	Couth.	B	Mass. Bay.
498 *	" <i>fulminatus</i>	"	C	Cohasset.
✓ 499	" <i>marginatus</i>	Gmel	C	Phillips' Beach.
500	" <i>pectinatus</i>	Gould	C	" "
✓ 501 *	" <i>ruber</i>	Lowe	C	" "
502	" <i>mendicarius</i>	Mighls.	C	Maine.
503	<i>Patella candida</i>	Couth.	C	Mass. Bay.
504	" <i>Oregana</i>	Nuttall	C	Columbia river.
✓ 505 *	<i>Patelloida testudinalis</i>	Couth.	B	Mass. Bay.
✓ 506 *	" <i>alveus</i>	Conrad	B	" "
✓ 507	<i>Siphonaria alternata</i>	Say	C	Florida.
✓ 508 *	<i>Cemoria noachina</i>	Lam.	B	Mass. Bay.
509	" <i>princeps</i>	Mighls.	C	Maine.
510	<i>Calyptrœa striata</i>	Say	C	New Jersey.
✓ 511 *	<i>Crepidula fornicata</i>	Lam.	A	New York Bay.
512	" <i>unguiformis</i>	"	C	" "
513	" <i>intorta</i>	Say	C	Southern States.
✓ 514 *	" <i>convexa</i>	"	B	Atlantic coast.
515	" <i>depressa</i>	"	C	Southern States.
516 *	" <i>glauca</i>	"	B	Chelsea Beach.
✓ 517 *	" <i>plana</i>	"	B	New York Bay.
	<i>aculeata</i>	ju		S. C.
✓ 518 *	<i>Ancylus rivularis</i>	Say	B	Ohio & New York.
519	" var. <i>Brunneus</i>	Hald.	C	James river, Va.
520	" <i>filosus</i>	Conrad	C	Alabama.
521	" <i>tardus</i>	Say	C	Vermont.
522	" <i>parallelus</i>	Hald.	C	New England.
523 *	" <i>fuscus</i>	Adams	B	Andover, Mass.

524	<i>Aneylus crassus</i>	Hald.	C	Oregon.
✓ 525 *	" <i>diaphanus</i>	"	B	Ohio.
526	" <i>depressus</i>	"	C	Holstein river, Va.
527	" <i>obscurus</i>	"	C	Nolachucky river, Tennessee.
✓ 528 *	<i>Bullina canaliculata</i> <i>Aplysia</i>	Say	B	St. Simon's Island, J. G., Georgia.
✓ 529	<i>Bulla debilis</i>	Gould	C	Mass. Bay.
530	" <i>Gouldii</i>	Couth.	C	"
531	" <i>hiemalis</i>	"	C	"
✓ 532 *	" <i>insculpta</i>	Totten	B	New York Bay.
533	" <i>lineolata</i>	Couth.	C	Mass. Bay.
✓ 534 *	" <i>obstricta</i>	Gould	B	New York Bay.
535	" <i>oryza</i>	Totten	B	Newport river.
✓ 536 *	" <i>triticea</i>	Couth.	C	Mass. Bay.
537	" <i>pertenuis</i> <i>solitaria</i> Say	Mighls	C	Maine. J. G.
538	<i>Vitrina pellucida</i>	Drap.	C	Iowa Territory.
✓ 539 *	<i>Helix albolabris</i>	Say	A	United States.
✓ 540 *	" <i>alternata</i>	"	A	N. York to Ohio.
✓ 541 *	" <i>appressa</i>	"	B	Western States.
✓ 542 *	" <i>arborea</i>	"	A	Mass. to Ohio.
✓ 543 *	" <i>avara</i>	Ferr.	B	Florida.
✓ 544	" <i>auriculata</i>	Lam.	B	"
✓ 545 *	" <i>clausa</i>	Say	B	Western States.
✓ 546 *	" <i>eellaria</i>	Mull.	B	Massachusetts.
✓ 547 *	" <i>concava</i>	Say	B	Ohio.
548 *	" <i>Columbiana</i>	Lea	C	Oregon Territory.
549	" <i>Cumberlandicus</i>	"	C	Tennessee.
✓ 550	" <i>dentifera</i>	Binney	C	Vermont.
551	" <i>dealbata</i> ? Bul	Say	C	Missouri.
✓ 552	" <i>demissa</i>	Binney	C	Alabama.
✓ 553 *	" <i>diodonta</i>	"	B	Ohio.
554	" <i>Dorfeuilliana</i>	Lea	C	"
✓ 555 *	" <i>elevata</i> <i>chessina</i>	Say	B	Western States.

✓ 556	* <i>Helix electrina</i>	Gould	B	Cambridge, Mass.
557	" <i>Edgarina</i>	Lea	C	Tennessee.
558	" <i>egena</i>	Say	C	Pennsylvania.
559	" <i>fatigata</i>	Binney	C	Vermont.
✓ 560	* " <i>fraterna</i>	Say	A	East. & West. Sts
✓ 561	* " <i>fuliginosa</i>	Griff.	C	Ohio.
✓ 562	* <del>" <i>glaphyra</i></del> 546	Say	B	" "
✓ 563	" <i>gularis</i>	"	C	" "
✓ 564	* " <i>hortensis</i>	Mull	B	Portsmouth, N. H.
✓ 565	" <i>harpa</i>	Say	C	Southwestern Sts.
✓ 566	* " <i>hirsuta</i>	"	B	Staten Island.
✓ 567	* " <i>inornata</i>	"	B	Pennsylvania.
✓ 568	* " <i>inflecta</i>	"	B	Western States.
✓ 569	* " <i>indentata</i>	"	B	Ohio.
✓ 570	* " <i>interna</i>	"	C	Kentucky.
571	" <i>immitissima</i>	Lea	C	Cincinnati. <sup>n</sup>
572	" <i>irrorata</i>	Say	C	Pennsylvania.
✓ 573	* " <i>labyrinthica</i>	"	B	Massachusetts.
✓ 574	* " <i>ligera</i>	"	B	Ohio.
✓ 575	* " <i>lineata</i>	"	C	Ohio & Mass.
576	<del>" <i>lucubrata</i></del> 561	"	C	Alabama.
✓ 577	<del>" <i>Mobiliana</i></del> 545	Lea	C	Mobile.
✓ 578	* " <i>monodon</i>	Binney	C	Western States.
✓ 579	* " <i>minuta</i>	Say	A	Mass. to Mo.
✓ 580	* " <i>multilineata</i>	"	B	Southwestern Sts.
581	<del>" <i>Michelliana</i></del> 545	Lea	C	Ohio.
582	* " <i>Nuttalliana</i>	"	C	Oregon.
583	<del>" <i>obstricta</i></del> 584	Say	C	Ohio.
✓ 584	" <i>pallidata</i>	"	C	"
✓ 585	* " <i>Pennsylvanica</i>	Green	B	Pennsylvania.
✓ 586	* " <i>perspectiva</i>	Say	A	N. York & Ohio.
587	" <i>porcina</i>	"	C	Iowa.
✓ 588	* " <i>profunda</i>	"	B	Ohio.
589	" <i>plicata</i>	"	C	Alabama.
590	* " <i>septemvolva</i>	Ferr.	B	Georgia.
✓ 591	* " <i>solitaria</i>	Say	B	Ohio.

*fallax*  
*striatella* <sup>auth</sup>  
*minuscula* <sup>Binney</sup>  
*major* <sup>"</sup>

592	<i>Helix subplana</i>	Binney	C	Tennessee.
✓ 593 *	" <i>suppressa</i>	Say	C	Ohio.
✓ 594 *	" <i>thyroidus</i>	"	B	Eastern states.
✓ 595	" <i>Townsendiana</i>	Lea	C	Oregon.
✓ 596 *	" <i>tridentata</i>	Say	B	Mass. to Mo.
✓ 597	" <i>Troostiana</i>	Lea	C	Tennessee.
598	" <i>tenuistriata</i>	"	C	Cincinnati.
599	" <i>Tennesseensis</i>	"	C	Tennessee.
<del>600</del>	" <i>Wardiana</i> 574	"	C	Ohio.
601	" <i>Vancouverensis</i>	"	C	Oregon.
✓ 602 *	" <i>zaleta</i>	Say	B	Western States.
603	<i>Carocolla Edgarina</i>	Lea	C	Tennessee.
604	" <i>Cumberlandicus</i>	"	C	"
605 *	" <i>spinosa</i> <i>helicoides</i>	"	C	Alabama.
✓ 606	<i>Helicina orbiculata</i>	Say	C	Ohio & Florida.
✓ 607 *	" <i>occulta</i>	"	C	Indiana.
✓ 608 *	<i>Pupa armifera</i>	Say	B	Western States.
609	" <i>badia</i>	Adams	C	Crown Point, N.Y.
<del>610</del>	" <i>carinata</i>	Gould	C	Maryland.
✓ 611 *	" <i>contracta</i>	Say	B	Virginia.
612 *	" <i>corticaria</i>	"	B	Ohio.
✓ 613 *	" <i>curvidens</i>	Gould	C	Massachusetts.
✓ 614 *	" <i>exigua</i>	Say	B	Pennsylvania.
✓ 615 *	" <i>fallax</i>	"	B	Massachusetts.
616 *	" <i>ovata</i>	"	C	Pennsylvania.
<del>617</del>	" <i>placida</i>	"	C	Massachusetts.
618 *	" <i>millium</i>	Gould	C	"
619	" <i>simplex</i>	"	C	"
620	" <i>rupicola</i>	Say	C	Florida.
621 *	" <i>procera</i>	Gould	B	Baltimore.
622	" <i>Tappanianus</i>	Ward	C	Massachusetts.
✓ 623 *	" <del><i>modesta</i></del>	Say	B	Iowa.
624 *	" <i>pentodon</i>	"	B	Ohio.

unite 613, 622, & 624

" 616 & 623



✓ 625	* <i>Bulimus lubricus</i>	Drap.	B	Massachusetts.
626	* " <i>dealbatus</i>	Say	C	Western prairies.
627	" <i>mutilatus</i>	"	C	South Carolina.
628	" <i>multilineatus</i>	"	C	Florida.
629	" <i>radiatus</i>	Lam.	B	Western prairies.
✓ 630	* <i>Achatina striata</i>	Lam.	B	Georgia.
631	" <i>solida</i>	Say	C	Florida.
✓ 632	* " <i>virginea</i>	Lam.	B	"
✓ 633	* <i>Succinea avara</i>	Say	B	Ohio to N York.
634	" <i>aurea</i>	Lea	C	Ohio.
635	" <i>aperta</i>	"	C	Oregon.
✓ 636	* " <i>campestris</i>	Say	B	Southern States.
637	" <i>Nuttalliana</i>	Lea	C	Oregon.
✓ 638	* " <i>ovalis</i>	Say	B	East. & West. Sts.
639	* " <i>obliqua</i>	"	B	Penn. to Ohio.
640	" <i>Oregonensis</i>	Lea	C	Oregon.
641	" <i>inflata</i>	"	C	South Carolina.
642	" <i>retusa</i>	Say	C	Ohio.
643	" <i>Totteniana</i>	Lea	C	Rhode Island.
644	" <i>vermeta</i>	Say	B	Indiana.
645	" <i>Wardiana</i>	Lea	C	Ohio.
✓ 646	* <i>Auricula bidentata</i>	Say	A	Mass. to Flo.
647	" <i>lineata</i>	"	C	Md. & N. Jersey.
648	" <i>obliqua</i>	"	C	South Carolina.
649	" <i>borealis</i>	Conrad	C	Rhode Island.
✓ 650	" <i>denticulata</i>	Mont.	B	Mass. Bay. ✓
✓ 651	* <i>Planorbis armigerus</i>	Say	B	Mass. to Mo.
652	" <i>bellus</i>	Lea	C	Tennessee.
✓ 653	* " <i>bicarinatus</i>	Say	B	Mass. to Mo.
654	" <i>Buchanensis</i>	Lea	C	Ohio.
✓ 655	* " <i>campanulatus</i>	Say	B	Maine to Ohio.
✓ 656	* " <i>corpulentus</i>	"	B	N. York to Ohio.

✓ 657	* <i>Placobrhis concavus</i>	Anthy.	C	Ohio.
✓ 658	* " <i>deflectus</i>	Say	C	Western States.
✓ 659	* " <i>dilatatus</i>	Gould	C	Massachusetts.
✓ 660	* " <i>exacuus</i>	Say	C	Western States.
✓ 661	" <i>glabratus</i>	"	C	South Carolina.
✓ 662	* " <i>lentus</i>	"	B	Ohio.
663	* " <i>megasoma</i>	De Kay	B	New York Island.
664	" <i>obtusa</i>	Lea	C	Ohio.
665	* " <i>obliquus</i>	De Kay	C	New York Island.
666	" <i>parallelus</i>	Say	C	Upper Missouri.
667	" <i>regularis</i>	Lea	C	Western rivers.
✓ 668	* " <i>trivolvus</i>	Say	B	New York.
669	" <i>var. fallax</i>	Hald.	B	Massachusetts.
✓ 670	* " <i>parvus</i>	<i>De Kay</i>	B	"
671	" <i>antrosus</i>	Conrad	C	Alabama.
672	* " <i>lens</i>	Lea	B	Ohio.
673	" <i>elevatus</i>	Adams	C	New York.
674	* " <i>hirsutus</i>	Gould	B	New Bedford.
675	* " <i>virens</i>	Adams	B	"
✓ 676	* <i>Physa ancillaria</i>	Say	B	New York.
677	* " <i>aurea</i>	Lea	C	Virginia.
678	" <i>distorta</i>	Hald.	B	Ohio.
✓ 679	* " <i>elongata</i>	Say	B	Western States.
✓ 680	* " <i>eliptica</i>	Lea	B	Ohio.
✓ 681	* " <i>gyrina</i>	Say	B	Georgia.
✓ 682	* " <i>heterostropha</i>	"	A	Maine to Mo.
683	" <i>Hildrethiana</i>	Lea	C	Illinois.
684	" <i>inflata</i>	"	C	Virginia.
685	" <i>microstoma</i>	Hald.	C	Ohio.
686	" <i>obesa</i>	<i>De Kay</i> <del>Mighls</del>	B	Maine.
687	* " <i>plicata</i>	De Kay	C	New York Island.
688	" <i>pomilia</i>	Conrad	C	Alabama.
✓ 689	" <i>Sayii</i>	Tappan	C	Ohio.
690	" <i>Troostiana</i>	Lea	C	Tennessee.
691	" <i>fragilis</i>	Mighls.	C	Maine.
	" <i>globosa</i>	<i>Kaldeman</i>		<i>Nolachucky R.</i>

x Unite 6598-672

692	<i>Lymnœa acuta</i>	Lea	C	Philadelphia.
693	" <i>apicina</i>	"	C	Oregon.
✓ 694 *	" <i>appressa</i>	Say	B	Lake Champlain.
695	" <i>bulimoides</i>	Lea	C	Oregon.
✓ 696	" <i>catascopium</i>	Say	B	Middle States.
✓ 697 *	" <i>caperata</i>	"	B	Indiana.
✓ 698 *	" <i>columella</i> ✕	"	B	"
699	" <i>coarctata</i>	Lea	C	Newport, R. I.
700	" <i>casta</i>	"	C	Ohio.
701 *	" <i>chalybœa</i> ✓	Gould	B	New York.
702	" <i>curta</i>	Lea	C	Ohio.
✓ 703 *	" <i>deciduosa</i>	Say	B	N. York to Ohio.
✓ 704 *	" <i>decollata</i>	Mighls.	C	Portland, Me.
✓ 705 *	" <i>elodes</i>	Say	A	Western States.
✓ 706	" <i>emarginata</i>	"	C	Maine.
707	" <i>exigua</i>	Lea	C	Tennessee.
708	" <i>expansa</i>	Hald.	B	Vermont.
709	" <i>exilis</i>	Lea	C	Ohio.
710	" <i>fusiformis</i>	"	C	Niagara.
711	" <i>Griffithiana</i>	"	C	Lake Champlain.
✓ 712	" <i>gracilis</i>	Jay	D	" " "
✓ 713	" <i>humilis</i>	Say	B	South Carolina. <i>Other</i>
✓ 714 *	" <i>jugularis</i>	"	B	Lake Champlain.
715	" <i>Kirtlandianus</i>	Lea	C	Ohio.
716 *	" <i>macrostoma</i>	Say	B	Western States.
✓ 717 *	" <i>megasoma</i>	"	D	Iowa & Vermont.
718 *	" <i>modicella</i>	"	B	Oswego.
719	" <i>Nuttalliana</i>	Lea	C	Oregon.
720	" <i>obrusa</i>	Say	C	Pennsylvania.
721 *	" <i>pallida</i>	Adams	B	Vermont.
722	" <i>parva</i>	Lea	C	Ohio.
723	" <i>Philadelphica</i>	"	C	Schuykill.
724	" <i>platyostoma</i>	Hald.	C	Vermont.
725	" <i>planulata</i>	Lea	C	Virginia.
726	" <i>plica</i>	"	C	Tennessee.
✓ 727 *	" <i>reflexa</i> <i>ample</i>	Say <i>Mighls</i>	B	Ohio <i>Maine</i>

Unit 698 & 701

Unit 709 & 727

" 692, 703 & 723.

" 713 & 722

728	<i>Lymnœa rustica</i>	Lea	C	Ohio.
729	" <i>strigosa</i>	"	C	"
730	" <i>solida</i>	"	C	Oregon.
✓731 *	" <i>umbrosa</i>	Say	B	Ohio.
✓732 *	" <i>umbilicata</i>	Adams	B	New Bedford.
733	" <i>pinguis</i>	Say	C	Schuykill.
✓734 *	<i>Melania acuta</i>	Lea	C	Tennessee.
✓735	" <i>alveare</i>	Conrad	C	Alabama.
✓736 *	" <i>annulifera</i>	"	C	"
✓737 *	" <i>armigera</i>	Say	B	Kentucky.
738	" <i>altilis</i>	Lea	C	Susquehanna.
739	" <i>acuto-carinata</i>	"	C	Tennessee.
✓740	" <i>bitœnata</i>	Conrad	C	Alabama.
741	" <i>blanda</i>	Lea	C	Tennessee.
742	" <i>Babylonica</i>	"	C	Ohio.
✓743	" <i>Boykineana</i>	"	C	Georgia.
744	" <i>brevis</i>	"	C	Alabama.
✓745 *	" <i>Buddii</i>	De Kay	B	Erie Canal. X
✓746 *	" <i>canaliculata</i>	Say	B	Ohio. X
747	" <i>cancellata</i>	"	C	Florida.
748	" <i>carinata</i>	Rav.	C	North Carolina.
✓749	" <i>catenaria</i>	Say	C	South Carolina.
✓750	" <i>calyginosa</i>	Lea	C	Tennessee.
751	" <i>catenoides</i>	"	C	Georgia.
752	" <i>castanea</i>	"	C	Tennessee.
753	" <i>circincta</i>	"	C	"
754	" <i>comma</i>	Conrad	C	Alabama.
755	" <i>congesta</i>	"	C	"
756	" <i>carinifera</i>	Lam.	C	Cherokee country.
757	" <i>corrugata</i>	Lea	C	Tennessee.
758	" <i>columella</i>	"	C	Ohio.
✓759 *	" <i>conica</i>	Say	C	Kentucky.
760	" <i>costulata</i>	Lea	C	Tennessee.
761	" <i>concina</i>	"	C	"
✓862	" <i>crebricostata</i>	"	C	"

*costifera* Kaldern  
*abjecta* " "  
*caliginosa* Lea



763	*Melania claviformis	Lea	C	Tennessee.
764	" curvata	"	C	"
765	" Cuneyana	"	C	Kentucky.
766	" cylindrica	Conrad	C	Alabama.
✓767	* " depygis	Say	B	Ohio. X
768	" decora	Lea	C	Kentucky.
✓769	" Deshayesiana	"	C	Tennessee.
✓770	* " Duttoniana	"	C	"
✓771	" dubiosa	"	C	"
772	" ebenum	"	C	"
773	" Edgarina	"	C	"
774	" elongata	"	C	"
✓775	" elevata	Say	C	Ohio.
776	" expansa	Lea	C	Alabama.
✓777	* " excurvata	Conrad	C	Tennessee.
✓778	* " exilis	Hald.	C	Ohio.
779	* " florentina	Lea	C	Alabama.
780	" Formanii	"	C	"
781	* " formosa	Conrad	C	"
782	" fuscata	Desh.	C	Virginia.
✓783	* " fuliginosa	Lea	C	Tennessee.
784	" fusiformis	"	C	"
785	" glabra	"	C	"
786	" globula	"	C	"
✓787	* " gracilis	"	C	"
✓788	" Haysiana	"	C	"
789	" Holstoniana	"	C	"
790	" Hildrethiana	"	C	Ohio.
✓791	* " Hydeii	Conrad	B	Alabama.
✓792	* " impressa	Lea	C	"
793	" inflata	"	C	Virginia.
✓794	" integra	Say	B	Ohio.
795	" interrupta	Hald.	C	Tennessee.
796	" Jayana	Lea	C	"
✓797	* " Kirtlandiana	"	B	Ohio.
✓798	" laqueata	Say	C	Cumberland river. X

799	Melania	Le Contiana	Lea	C	Georgia.
✓ 800	"	lima	Conrad	C	Alabama. <del>X</del>
801	"	læta	Jay	C	"
802	"	lævigata	Lea	C	Clairborne.
803 *	"	melanoides	Conrad	C	Alabama. <i>Arcahota</i>
804	"	monozonalis	Lea	C	Tennessee.
✓ 805 *	"	multilineata	Say	B	Ohio.
806 *	"	multistriata	Lea	B	Alabama.
807	"	nasula	Conrad	C	"
808	"	nupera	Say	C	Wabash.
✓ 809	"	Nickliniana	Lea	C	Virginia.
✓ 810	"	Niagarensis	"	C	Niagara.
811	"	nitens	"	C	Tennessee.
✓ 812	"	nodulosa	"	C	"
813	"	obovata	Say	C	Ohio.
814	"	obtusa	Lea	C	Tennessee.
✓ 815	"	Oconeensis	"	C	"
816	"	occidentalis	"	C	Cincinnati.
✓ 817 *	"	olivula	Conrad	B	Alabama.
818	"	oliva	Lea	C	"
819	"	Ordiana	"	C	Tennessee.
820	"	oveliana	"	C	Alabama.
821	"	ovalis	"	C	"
822	"	perfusca	"	C	Tennessee.
✓ 823	"	plieifera	"	C	Oregon.
824	"	picta	"	C	Tennessee.
825	"	pilula	"	C	" <del>X</del>
826	"	Potosiensis	"	C	Missouri.
✓ 827	"	proxima	Say	C	N. & S. Carolina.
828	"	prasinata	Conrad	C	Alabama.
829	"	producta	Lea	C	Tennessee.
830 *	"	pyrinella	Conrad	B	Alabama.
831	"	regularis	Lea	C	Tennessee.
✓ 832 *	"	robusta	"	C	Alabama.
833	"	rufa	"	C	Tennessee.
✓ 834 *	"	salebrosa	Conrad	C	"

*Rogersii*

✓ 835	*Melania	Sayii	Ward	B	Ohio.
836	*	semicarinata	Say	B	" "
✓ 837	*	simplex	"	B	Virginia.
✓ 838	"	sordida	Lea	C	Tennessee.
839	*	strigosa	"	C	" "
840	"	stygia	Say	C	" "
841	"	striata	Lea	C	" "
842	"	subularis	"	C	Niagara Falls. X
843	"	subglobosa	Say	C	Ohio.
844	"	subsolida	Lea	C	Tennessee.
845	"	subcylindracea	"	C	" "
846	"	substriata	Hald.	C	Ohio.
✓ 847	"	substricta	"	C	Tennessee.
848	"	suturalis	"	C	" "
849	"	sulcosa	Lea	C	" "
850	"	Taitiana	"	C	Clairborne.
851	"	teres	"	C	Tennessee.
852	*	terebralis	"	C	" "
853	*	tenebrosa	"	C	" "
854	"	torquata	"	C	" "
✓ 855	*	Troostiana	"	C	" "
856	*	trochiformis	Conrad	B	Alabama.
857	"	trilineata	Say	C	Ohio.
858	*	tuberculata	Lea	C	Tennessee.
859	"	turgida	"	C	" "
✓ 860	*	undulata	Say	C	Ohio.
861	"	Vanuxemensis	Lea	C	Alabama.
✓ 862	*	varicosa	Ward	C	Ohio.
863	"	vestita	Conrad	C	Alabama.
864	"	venusta	Say Lea	C	Tennessee.
✓ 865	*	Virginica	Say	B	Middle States.
866	"	virgata	Lea	C	Cincinnati.
867	"	viridis	"	C	"
868	"	Wardiana	"	C	Virginia.
		<i>semicostata</i>	Conrad		
869	Anculosa	angulata	Conrad	C	Alabama.

870	Anculosa	bella	Lea	C	Alabama.
871	"	carinata	<i>Auth.</i>	C	Roanoke.
✓ 872 *	"	costata	Anthy.	B	Virginia and Ohio.
✓ 873	"	dentata	Couth.	C	Potomac.
874 *	"	dissimilis	Say	B	Ohio. <i>Palud.</i>
875	"	Formanii	Lea	C	Alabama. <i>Aug?</i>
876	"	gibbosa	"	C	Tennessee.
✓ 877 *	"	Griffithiana	"	C	Alabama.
<del>878 *</del>	<del>"</del>	<del>integra</del>	<del>Say</del>	<del>B</del>	<del>"</del> <i>Paludina 925</i>
✓ 879 *	"	isogona	"	B	Ohio.
880	"	Kirtlandiana	Anthy.	C	Virginia.
881 *	"	monodontoides	Conrad	C	"
882	"	nigrescens	"	C	Maryland.
✓ 883 *	"	obovata	Lea	C	Alabama.
884 *	"	pieta	Conrad	B	"
X ✓ 885 *	"	plicata	"	B	Tennessee.
✓ 886 *	"	prærosa	Say	B	Ohio & Tennessee
887	"	pumilis	Conrad	C	Black Warrior.
888	"	planulata	Lea	C	Alabama.
✓ 889 *	"	rubiginosa	"	C	"
890	"	solida	"	C	"
✓ 891 *	"	subglobosa	Say	C	Tennessee.
892	"	toeniata	Conrad	C	Alabama.
893	"	turgida	Hald.	C	"
894	"	tuberculata	Lea	C	"
895	"	Troostiana	"	C	Tennessee.
896	"	variabilis	"	C	Roanoke.
897	*Lythasia	genicula	Lea	B	Alabama.
✓ 898	*Schizostoma	incisa	Lea	D	Alabama.
899 *	"	excisa	"	D	"
900	"	? new	"	D	"
901	"	? new	"	D	"
902	Io	fusiformis	Say	C	Holstein river, Va.



✓ 903	*Io spinosa	Lea	B	Holstein river, Va.
904	" tenebrosa	"	C	Tennessee.
905	Pirena scalariformis	Say	C	Fresh water lakes & Florida keys-
906	*Valvata arenifera		B	Schuylkill.
907	" cinerea	Say	C	Western States.
908	" buccata	Lea	C	Schuylkill.
909	" humeralis		C	
✓ 910	* " pupoidea	Gould	C	Massachusetts.
✓ 911	* " tricarinata	Say	B	Mass. to Mo.
912	" unicarinata	De Kay	C	Erie Canal.
✓	<i>zincera</i>			
913	Paludina angulata	Lea	C	Alabama.
914	<del>" himonifera</del>	<del>"</del>	<del>C</del>	<del>" same as 929</del>
✓ 915	* " Coosaensis	"	C	Coosa river, Ala.
<del>916</del>	<del>" canaliculata</del>	<del>Gould</del>	<del>C</del>	<del>Massachusetts. Natica</del>
917	* " cyclostomaformis	Lea	C	Alabama.
918	" coarctata	"	C	"
✓ 919	* " decisa	Say	B	Ohio.
920	" elongata	Swains	C	Florida.
✓ 921	* " Georgiana	Lea	B	Georgia.
922	* " grana	Say	B	Pennsylvania.
✓ 923	* " heterostropha	Tappan	C	Ohio.
924	" hyalina	Lea	C	"
✓ 925	* " integra	Say	B	" <i>Amnicola</i>
926	" intertexta	"	C	Louisiana.
927	" incrassata	Lea	C	Alabama.
928	" limosa	Say	C	Western States.
✓ 929	* " magnifica <i>bound</i>	<del>Lea</del>	D	Georgia.
930	" Nickliniana <i>Lea</i>		C	Hot Springs, Va.
931	" Nuttalliana	"	C	Oregon.
932	" nuclea	"	C	"
933	" obtusa	"	C	Ohio.
934	" pallida	"	C	"
✓ 935	* " ponderosa	Say	B	"

*disinilis*  
*genicula bound*

936	Paludina regularis	Lea	C	Ohio.
✓ 937 *	" subcarinata	Say	B	" "
938	" subglobosa	"	C	Iowa.
939 *	" subpurpurea	"	C	Illinois.
<del>940</del>	<del>" transversa</del>	<del>"</del>	<del>C</del>	<del>Louisiana. 426</del>
941	" Troostiana	Lea	C	Tennessee.
✓ 942 *	" unicolor	Lam.	C	South Carolina.
943	" virens	Lea	C	Oregon. "
✓ 944 *	" vivipara	Lam.	B	Southern States.
945	" scalaris <i>Jay</i> <del>Say</del>		C	Florida. "
✓ 946	Amnicola albilabris	Ward	B	Ohio.
✓ 947 *	" Cincinnatiensis	Anthy.	C	"
948	" dentata	Say	C	Florida.
✓ 949 *	" lapidaria	"	B	Ohio.
✓ 950 *	" lustrica	"	B	"
951	" orbiculata	Lea	C	"
✓ 952 *	" porata	Say	B	"
953	" parva	Lea	C	"
954 *	" pallida	"	B	Massachusetts.
✓ 955 *	" Sayana	"	B	Ohio.
✓ 956	" gibbosa	Anthy.	C	"
957	" tenuipes <i>alleyni</i>	Hald.	C	Georgia.
958	Ampularia rugosa	Lam.	C	Mississippi.
959	" *depressa	Say	B	Florida.
960	" rotundata	"	C	"
✓ 961 *	" Hopetonensis	Lea	B	Hopeton, Geo.
✓ 962 *	Neritina reclivata	Say	B	Florida.
963	Natica alba	Say	C	Florida.

\*NOTE.—"Depressa" having been pre-occupied by Lamarck for a Fossil species, Say proposed to change the name to "Paludosa." Lea's name Hopetonensis will however claim precedence.

- ✓ 964 \**Natica canaliculata* Gould B Massachusetts.  
 ✓ 965 \* " *canrena* Lam. B Southern coast.  
 ✓ 966 \* " *clausa* Brod. B Mass. Bay.  
 ✓ 967 \* " *duplicata* Say A New York.  
 ✓ 968 \* " *heros* " A "  
 ✓ 969 \* " *immaculata* Totten B Maine to N. York  
 ✓ 970 \* " *flava* Gould C Mass. Bay.  
 971 " *lunata* Say C Southern coast.  
 ✓ 972 " *pusilla* " B " "  
 ✓ 973 \* " *triseriata* " B Atlantic coast.  
 ✓ 974 \**Sigaretus halioideois* Lam. B Mass. Bay.  
 975 " *maculatus* Say C Southern coast.  
 ✓ 976 \* " *perspectivus* " B New Jersey.  
 ✓ 977 \**Velutina loevigata* Brown C Cape Ann.  
 978 " *ovata* " C " "  
 979 " *zonata* Gould C Mass. Bay.  
 980 \**Odostomia exigua* Couth. B Boston Bay.  
 981 " *convoluta* Gould C Mass. Bay.  
 ✓ 982 \* " *fusca* Adams B Eastern States.  
 983 \* " *producta* " B " "  
 984 " *seminuda* " C " "  
 985 \* " *trifida* Totten C Rhode Island.  
 ✓ 986 \**Tornatella punctostriata* Adams C New York Bay.  
 ✓ 987 *Vermetus lumbricalis* Linn. C Newport, R. I.  
 ✓ 988 *Janthina communis* Lam. C Nantucket.  
 989 " *fragilis* Brug. C New Bedford.  
 ✓ 990 *Scalaria clathrus* Say C Southern coast.  
 991 \* " *Grœnlandica* B Mass. Bay.  
 ✓ 992 \* " *Humphreysii* Kiener C Atlantic coast.

- ✓ 993 \**Scalaria lineata* Say B Atlantic coast.  
 994 " *multistriata* " C Southern coast.  
 995 " *Novangliæ* Couth. C Mass. Bay.  
 996 *Delphinula laxa* Say C South Carolina.  
 ————— *coarctata*, Mighls. *Maine*  
 997 \**Skenea serpuloides* Adams C Boston Bay.  
 998 *Trochus occidentalis* Mighls. C Maine.  
 999 *Turbo canaliculata* Say C Southern States.  
 1000 *Margarita arctica* Leach C Mass. Bay.  
 ✓ 1001 " *argentata* Gould C Cohasset, Mass.  
 1002 " *acuminata* Sowb. C Maine.  
 ✓ 1003 \* " *cinerea* Couth. B Mass. Bay.  
 ✓ 1004 " *obscura* " B Nahant.  
 1005 " *varicosa* Mighls. C Maine.  
 ✓ 1006 \* " *undulata* Sowb. B Phillips' Beach.  
 ————— *minutissima*, Mighls. *Maine*  
 ✓ 1007 \**Littorina rudis* Douv. B Atlantic coast.  
 ✓ 1008 \* " *tenebrosa* Mont. B Mass. Bay.  
 ✓ 1009 \* " *palliatâ* Say B Atlantic coast.  
 ————— *irrorata* " " "  
 1010 \*~~*Lacuna fusca*~~ # Adams B Mass. Bay.  
 1011 " *neritoidea* Gould C Chelsea Beach.  
 ✓ 1012 \* " *vineta* Mont. B Mass. Bay.  
 ✓ 1013 \**Cingula minuta* Totten C Atlantic coast.  
 1014 \* " *aculeus* Gould C Mass. Bay.  
 1015 " *semicostata* Mont. C Maine.  
 1016 " *arenaria* " " "  
 1017 " *latior* Mighls. C " "  
 ————— *Phasianella pulcosa* " " "  
 1018 \**Pyramis striatula* Couth. C Cape Ann.  
 # 1019 ~~*Lacuna fusca*~~ Adams C New Bedford.

# Syn. with *Odostomia fusca* Adams



1020	<i>Turritella alternata</i>	Say	C	Atlantic coast.
<del>1021</del>	<del>" bisuturalis</del>	<del>"</del>	<del>C</del>	<del>Mass. Bay. <i>Odostomia exigua</i></del>
1022	" <i>concava</i>	"	C	South Carolina.
1023	" <i>costulata</i>	Mighls	C	Maine.
✓1024 *	" <i>erosa</i>	Couth.	C	Mass. Bay.
1025	" <i>equalis</i>	Say	C	South Carolina.
1026	" <i>impresa</i>	"	C	Maryland.
✓1027 *	" <i>interrupta</i>	Totten	B	Rhode Island.
✓1028	" <i>reticulata</i>	Mighls.	C	Maine.
1029 *	<i>Cerithium ferrugineum</i>	Say	B	Florida.
1030 *	" <i>Greenii</i>	Adams	B	Dartmouth harbor
✓1031 *	" <i>Emersonii</i>	"	C	New Bedford.
✓1032 *	" <i>nigrocinctum</i>	"	C	" "
✓1033 *	" <i>terebrale</i>	"	B	" "
✓1034 *	" <i>muscarium</i>	Say	B	Florida.
✓1035 *	" <i>septemistriatum</i>	"	B	" "
✓1036 *	" <i>Sayii</i>	Menke	A	New Bedford.
1037 *	" ?			New York Bay.
1038	<i>Pleurotoma bicarinata</i>	Couth	C	Mass. Bay.
1039	" <i>decussata</i>	"	C	" "
✓1040 *	" <i>plicata</i>	Adams	B	" "
1041	" <i>violacea</i> <i>pusilla</i>	Mighls. <i>Ras.</i>	C.	Maine. <i>S. C.</i>
✓1042 *	<i>Cancellaria Couthouyi</i> <i>reticulata</i> <i>Lin</i>	Jay	C	Mass. Bay. <i>S. B.</i>
1043	<i>Fasciolaria ligata</i>	Mighls.	C	Maine. <i>S. C.</i>
✓1044 *	" <i>Fusus Bamillus</i> <i>antipod</i> <i>distans</i> <i>picambou</i>	Flem.	B	Mass. Bay.
✓1045 *	" <i>cinereus</i>	Say	A	Atlantic coast.
1046	" <i>cancellatus</i>	Mighls.	C	Maine.
✓1047 *	" <i>decemcostatus</i>	Say	C	Mass. Bay.
1048	" <i>bicolor</i>	"	C	Florida.
1049 *	" <i>harpularius</i>	Couth.	C	Mass. Bay.
✓1050 *	" <i>islandicus</i>	Martini	B	" "

- 1051 *Fusus muricatus* Brown C Mass. Bay.
- ✓ 1052 " *rufus* Gould C " "
- ✓ 1053 " *turricula* Brown C Cape Ann.
- ✓ 1054 \* " *tornatus* Gould C Mass. Bay.
- ✓ 1055 " *scalariformis* " C " "
- ✓ 1056 \* " *pygmæus* " C " "
- ✓ 1057 \* " *ventricosus* Gray C " "
- ~~✓ 1058 " *turricula* *short*~~
- ✓ 1058 *Pyrula canaliculata* Lam. A New York.
- ✓ 1059 \* " *carica* " B " "
- ✓ 1060 \* " *perversa* Say B Florida.
- 1061 " *papyratia* " C Georgia.
- ✓ 1062 \* " *spirata* " C Southern States.
- 1063 \* " *Stillmanii* De Kay C New York.
- Murex spinicosta* Val J. O.
- ✓ 1064 \* *Ranella candata* Say B New York Bay.
- ✓ 1065 \* *Rostellaria occidentalis* Beck D Stom. of fish.
- ✓ 1066 \* *Trichotropis borealis* Sowb. B Mass. Bay.
- ✓ 1067 \* *Strombus gigas* Linn. A Mobile Bay.
- ✓ 1068 \* " *pyrulatus* Lam. B " "
- ✓ 1069 \* " *pugilis* Linn. B Florida.
- ✓ 1070 \* *Purpura lapillus* Lam. A Mass. Bay.
- ✓ 1071 \* " var. *imbricata* " B " "
- ✓ 1072 \* " var. *bi-zonalis* " B " "
- " *flourensiana*
- ✓ 1073 \* *Dolium perdix* Lam. B Southern coast.
- ✓ 1074 \* " *olearium* " C " "
- " *galea* " " "
- ✓ 1075 \* *Cassis flammea* Kiener C North Carolina.
- ✓ 1076 " ~~*caburon*~~ Brug. C " "
- ulcra* "
- 1077 \* *Buccinum acutum* Say C St. Simon's Island,

1078	<i>Buccinum album</i>	Say	C	Florida.
✓ 1079	* " <i>Donovanii</i>	Gray	C	Maine.
✓ 1080	* " <i>ciliatum</i>	Gould	C	Mass. Bay.
1081	" <i>ornatum</i>	Say	C	Florida.
✓ 1082	* " <i>obsoletum</i>	"	A	Atlantic coast.
✓ 1083	" <i>rosaceum</i>	Gould	C	Mass. Bay.
✓ 1084	* " <i>lunatum</i>	Say	A	Southern States.
✓ 1085	* " <i>trivittatum</i>	"	A	New York.
✓ 1086	* " <i>undatum</i>	Linn.	B	Mass. Bay.
✓ 1087	* " <i>unicinctum</i>	Say	C	South Carolina.
1088	" <i>Wheatleyi</i>	De Kay	C	New York Bay.
✓ 1089	* " <i>vibex</i>	Say	B	Mass. Bay.
✓ 1090	* <i>Terebra Petitti</i>	Kiener	B	Georgia.
	" <i>lavata</i>	Row:		S. G. ?
	" <i>convexa</i>	Say		
✓ 1091	* <i>Columbella avara</i>	Say	A	Mass. to Georgia.
✓ 1092	* " <i>mercatoria</i>	"	B	Florida.
	<i>U. - conoidalis</i>			
✓ 1093	<i>Marginella carnea</i>	Storer	C	Florida.
✓ 1094	* " <i>flavida</i>	Bedfield	B	S. G.
	" <i>spilota</i>	Row		"
	" <i>uvosa</i>	Row		"
✓ 1095	* <i>Oliva conoidalis</i>	Lam.	B	Florida Keys.
✓ 1096	* " <i>erythostoma</i>	"	B	" " ?
1097	* " <i>Sayana</i>	"	B	" "
✓ 1098	* " <i>litterata</i>	Say	B	" "
✓ 1099	" <i>textilina</i>	Lam.	C	" "
✓ 1090	* " <i>oryza</i>	"	A	" "
1101	* " <i>mutica</i>	Say	B	Southern States.
✓ 1102	* " <i>zonalis</i>	"	B	" "
✓ 1103	<i>Conus leucostricus</i>	Gmel	C	Florida Keys.
1104	* " <i>mamillaris</i>	Green	C	" "
1105	" <i>Pealii</i>	"	C	" "
✓ 1106	* " <i>mus</i>	Brug.	B	" "
✓ 1107	* " <i>verrucosus</i>	Lam.	B	" "
✓ 1108	* <i>Spirula Peronii</i>	Lam.	C	Nantucket.
	<i>Orula aciculata?</i>	"		S. G.
	<i>Voluta pumonia</i>	"		"

1078	<i>Neospora albina</i>	Bay	C Florida
1079	" "	City	C Maine
1080	" "	Gold	C Mass Bay
1081	" "	Bay	C Florida
1082	" "	" "	A Atlantic coast
1083	" "	Gold	C Mass Bay
1084	" "	Bay	A Southern States
1085	" "	" "	A New York
1086	" "	Lam	B Mass Bay
1087	" "	Bay	C South Carolina
1088	" "	De Key	C New York Bay
1089	" "	Bay	B Mass Bay
1090	" "	" "	" "
1091	<i>Trochus ferrugineus</i>	Ferrug	B Georgia
1092	" "	" "	" "
1093	<i>Stomatopoda varia</i>	Bay	A Mass to Georgia
1094	" "	" "	B Florida
1095	<i>Stomatopoda varia</i>	Blotz	C Florida
1096	" "	Blotz	B Florida
1097	<i>Colla cancellata</i>	Lam	B Florida Bay
1098	" "	" "	" "
1099	" "	" "	" "
1100	" "	Bay	B "
1101	" "	Lam	C "
1102	" "	" "	A "
1103	" "	Bay	B Southern States
1104	" "	" "	" "
1105	<i>Conus leucostriatus</i>	Concl	C Florida Bay
1106	" "	Green	C "
1107	" "	" "	O "
1108	" "	Lam	B "
1109	<i>Spirula ferruginea</i>	Lam	C Massachusetts

*Neospora albina*  
*Neospora albina*



## NOTICE TO COLLECTORS.

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By looking over the accompanying check list, you will see the desiderata of the Museum of the CINCINNATI SOCIETY OF NATURAL HISTORY. If you have duplicates of any of these desired fossils, they will be thankfully received as donations by the Society, and due credit given the donors; or liberal exchanges will also be given for any of the desired species. Or, the Society will be glad to receive from you, *immediately*, a proposition to sell them any of the desired species. Please state in your proposition the name, locality, number of specimens representing each species, and price per specimen.

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*CINCINNATI SOCIETY*

By JOS. F. JAMES,

Custodian Cincinnati Society of Natural History.

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MDCCCLXXXI.

1089	<i>Margarita crassa</i>	Storey C Florida
1090	" "	Booth B "
1091	<i>Colla conchalis</i>	Lam. B Florida Keys 1894
1092	" "	B. " "
1093	" "	B. " "
1094	" "	Boy B "
1095	" "	Lam. C "
1096	" "	A. " "
1097	" "	Boy B Southern States
1098	" "	B. " "
1099	<i>Conus leucostriatus</i>	Ortol C Florida Keys
1100	" "	Green G "
1101	" "	G. " "
1102	" "	Boys B "
1103	" "	Lam. B "
1104	<i>Spiralis Formis</i>	Lam. G Nantucket 1878

*Conus conchalis*  
*Colla pumila*

CATALOGUE

OF THE

FOSSILS

OF THE

CINCINNATI GROUP.

By JOS. F. JAMES,

Custodian Cincinnati Society of Natural History.

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*PUBLISHED BY ORDER OF COMMITTEE ON  
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## P R E F A C E.

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The following catalogue of the Fossils of the Cincinnati Group, is a compilation from the various catalogues which have appeared from time to time. These were by Mr. U. P. James, Mr. S. A. Miller, Mr. E. O. Ulrich, and Messrs. Wetherby and Mickleborough. Besides the fossils of these lists, there have been incorporated in this one all the species described up to November 1, 1881, and published in the *Journal of the Cincinnati Society of Natural History* and elsewhere.

The object in view in the printing of this list, is to have it answer as a check list of the fossils of the Cincinnati Group; and to serve to show the species of the Group represented in the cabinet of the society. The species in the cabinet are marked with an asterisk (\*) for good specimens, and a dagger (†) for poor specimens. Those without any mark are not represented at all. The genera of the various classes, and the species of the genera, have been arranged alphabetically for convenience in reference. A number of Mr. Ulrich's species, taken from his catalogue, have not as yet been described. Such species are indicated by a section mark (§) at the end.

JOS. F. JAMES,

Custodian Cincinnati Society of Natural History.

November 15, 1881.



# CATALOGUE

OF THE

## Fossils of the Cincinnati Group.



### PLANTÆ.

#### Order ALGÆ.

- Aristophycus ramosum, Miller & Dyer.
- Aristophycus ramosum, var. germanum, M. & D.
- Arthraria biclavata, S. A. Miller.
- Blastophycus diadematum, Miller & Dyer.
- Buthotrephis filiciformis, James.
- \*Buthotrephis gracilis, Hall.
- \*Buthotrephis gracilis, var. crassa, Hall.
- \*Buthotrephis ramulosa, S. A. Miller.
- Buthotrephis succulosa, Hall.
- Chlœphycus plumosum, Miller & Dyer.
- Conostichus truncatus, Ulrich. §
- Cyclophycus laterale, Ulrich. §
- Dactylophycus quadripartitum, Miller & Dyer.
- Dactylophycus tridigitatum, Miller & Dyer.
- Discophycus typicalis, Walcott.
- Dystactophycus mammillanum, Miller & Dyer.
- Heliophycus stelliforme, Miller & Dyer.
- \*Lierophycus flabellum, Miller & Dyer.
- \*Lockeia siliquaria, James.
- Nullipora (?) crustulata, Ulrich. §
- \*Palæophycus flexuosum, James.
- Palæophycus ornatum, Ulrich. §
- Palæophycus sculptum, Ulrich. §
- Palæophycus tubulare, Hall.

- \**Rusophycus asperum*, Miller & Dyer.  
 \**Rusophycus bilobatum*, Hall.  
 \**Rusophycus pudicum*, Hall.  
*Saccophycus intortum*, James.  
*Trichophycus lanosum*, Miller & Dyer.  
*Trichophycus sulcatum*, Miller & Dyer.  
*Trichophycus venosum*, S. A. Miller.

Order EQUISETACEÆ.

*Sphenophyllum primævum*, Lesquereux.

Order LYCOPODIACEÆ.

- Protostigma sigillaroides*, Lesquereux.  
 \**Psilophyton* (*Dendrograptus*, Hall) *gracillimum*,  
 Lesquereux.

PROTOZOA.

Order SPONGIDA.

- Astylospongia foveolata*, James.  
*Astylospongia globosa*, Ulrich. §  
*Astylospongia* (*Chætetes*) *subrotunda*, James.  
*Astylospongia tumida*, James.  
*Brachiospongia digitata*, Owen.  
*Brachiospongia lyoni*, Marsh.  
*Brachiospongia rœmerana*, Marsh.  
*Brachiospongia tuberculata*, James.  
*Calathium obliquum*, Ulrich. §  
*Cystospongia tuberosa*, Ulrich. §  
*Eospongia* (?) *communis*, Ulrich. §  
*Eospongia turnerensis*, Ulrich. §  
*Eridostroma densa*, Ulrich. §  
*Eridostroma* (?) *densissima*, Ulrich. §  
*Heterospongia aspera*, Ulrich. §  
*Heterospongia knotti*, Ulrich. §  
*Heterospongia nodulosa*, Ulrich. §  
*Heterospongia subramosa*, Ulrich. §



- Microspongia gregaria*, Miller and Dyer.  
*Microspongia irregularis*, Ulrich. §  
*Streptospongia confusa*, Ulrich. §  
*Streptospongia labyrinthica*, Ulrich. §  
*Stromatocerium rugosum*, Hall.  
 \**Stromatopora* (*Chonopora*, Ulrich) *lichenoides*, James  
 \**Stromatopora* (*Chonopora*, Ulrich) *papillata*, James.  
*Stromatopora* (*Chonopora*, Ulrich) *scabra*, James.  
*Tricholites typicalis*, Ulrich. §

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## CŒLEENTERATA.

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### Class POLYPI.

- Atactopora hirsuta*, Ulrich.  
 \**Atactopora maculata*, Ulrich.  
 \**Atactopora multigranosa*, Ulrich.  
*Atactopora mundula*, Ulrich.  
 \**Atactopora septosa*, Ulrich.  
*Atactopora subramosa*, Ulrich.  
*Atactopora tenella*, Ulrich.  
 \**Alveolites granulosus*, James.  
*Beatricea marionensis*, Ulrich. §  
*Beatricea nodulosa*, Billings.  
*Beatricea undulata*, Billings.  
*Beatricea subplana*, Ulrich. §  
 \**Climacograptus bicornis*, Hall.  
 \**Climacograptus typicalis*, Hall.  
 \**Columnaria alveolata*, Goldfuss.  
 \**Columnaria halli*, Nicholson.  
*Columnaria calicina*, Nicholson.  
 \**Columnopora cribriformis*, Nicholson.  
*Columnopora* (?) *parva*, Ulrich. §  
 \**Crateripora* (*Sagenella*, Hall) *erecta*, Ulrich.  
*Crateripora* (*Sagenella*, Hall) *expansa*, Ulrich.  
*Crateripora* (*Sagenella*, Hall) *lineata*, Ulrich.  
 \**Crateripora* (?) (*Sagenella*, Hall) *striata*, James.

- \*DeKayia appressa, Ulrich.  
 \*DeKayia aspera, Edwards and Haime.  
 DeKayia maculata, James.  
 \*DeKayia minuta, Ulrich. §  
 \*DeKayia obscura, Ulrich. §  
 DeKayia pusulata, Ulrich. §  
 Dendrograptus tenuiramosus, Walcott.  
 Dieranograptus ramosus, Hall.  
 \*Dictyograptus reticulatus, Ulrich. §  
 Dictyonema irregulare, Hall.  
 Diplograptus spinulosus, Hall.  
 Diplograptus whitfieldi, Hall.  
 \*Favistella stellata, Hall.  
 \*Fistulipora flabellata, Ulrich.  
 \*Fistulipora multipora, James.  
 Fistulipora robusta, Ulrich. §  
 \*Fistulipora siluriana, James.  
 Graptolithus gracilis, Hall.  
 Graptolithus tenuis, (?) Portlock.  
 Heliolitus shepardi, James.  
 Inocaulus arbuscula, Ulrich.  
 Megalograptus welchi, S. A. Miller.  
 \*Monticulipora (Ch.) æqualis, Ulrich. §  
 Monticulipora andrewsi, Nich.  
 ✓ Monticulipora (Ch.) approximata, Nicholson. *Chaetetes*  
 \*Monticulipora (Ch.) astricta, Ulrich. §  
 Monticulipora (Ch.) attrita, Nicholson.  
 Monticulipora (Ch.) barrandi, (?) Nicholson.  
 \*Monticulipora (Ch.) briareus, Nicholson.  
 ✓ \*Monticulipora calceolus, Miller & Dyer.  
 \*Monticulipora (Ch.) calyculus, James.  
 \*Monticulipora (Ch.) cincinnatiensis, James.  
 ✓ \*Monticulipora (Ch.) clathratula, James.  
 \*Monticulipora (Ch.) clavacoidea, James.  
 Monticulipora (Ch.) compressa, Ulrich.  
 \*Monticulipora (Ch.) clavis, Ulrich. §  
 \*Monticulipora (Ch.) concava, Ulrich. §

- m (ch) Fletcheri Edwards & Hayne*
- \*Monticulipora (Ch.) crustulata, James.
  - ✓ \*Monticulipora (Ch.) dalei, Ed. & H.  
Monticulipora (Ch.) dawsoni, Nich.
  - \*Monticulipora (Ch.) decipiens, Rominger.
  - ✓ \*Monticulipora (Ch.) delicatula, Nich.
  - ✓ \*Monticulipora (Ch.) discoidea, James.  
Monticulipora (Ch.) elegans, Ulrich.  
Monticulipora (Ch.) expatiata, Ulrich. ♂
  - \*Monticulipora (Ch.) filiasa, D'Orb.
  - ✓ \*Monticulipora (Ch.) frondosa, D'Orb.
  - ✓ \*Monticulipora (Ch.) gracilis, James.  
Monticulipora (Ch.) granulifera, Ulrich.
  - \*Monticulipora (Ch.) implicata, Ulrich.
  - \*Monticulipora (Ch.) irregularis, Ulrich.
  - ✓ \*Monticulipora (Ch.) jamesi, Nich.  
\*Monticulipora (Ch.) lateralis, Ulrich. ♂  
Monticulipora (Ch.) lycopodites, Vanux.
  - ✓ \*Monticulipora (Ch.) mammulata, Ed. & H.
  - \*Monticulipora (Ch.) meeki, James.
  - \*Monticulipora (Ch.) minuta, James.  
Monticulipora molesta, Nich.
  - \*Monticulipora (Ch.) newberryi, Nich.  
Monticulipora (Ch.) nodulosa, Nich.
  - ✓ \*Monticulipora (Ch. ?) o'neali, James.
  - ✓ \*Monticulipora (Ch. Atactopora, Ulrich) ortonii, Nich.  
Monticulipora (Ch. Nebulipora) papillata, McCoy.  
Monticulipora (Heterodictya, Nich., Ch.) pavonia,  
D'Orb.  
Monticulipora petasiformis, Nich.
  - ✓ \*Monticulipora (Ch.) petechialis, Nich.
  - \*Monticulipora (Ch.) petropolitana, Pander.
  - \*Monticulipora (Ch.) pulchella, Ed. & H.
  - \*Monticulipora (Ch.) quadrata, Rominger.
  - \*Monticulipora (Ch.) ramosa, D'Orb.  
Monticulipora (Ch.) raripanda, Ulrich. ♂  
Monticulipora (Ch.) recta, Ulrich. ♂
  - ✓ \*Monticulipora (Ch.) rugosa, Ed. & H.

- Monticulipora selwynii, var. hospitalis, Nich.  
 Monticulipora (Ch.) sigillaroides, Nich.  
 Monticulipora (Ch. ? Atactopora) simulans, Ulrich. §  
 Monticulipora (Ch.) subglobosa, Ulrich.  
 ✓ Monticulipora (Ch.) subpulchella, Nich.  
 Monticulipora (Ch.) subquadrata, Ulrich. §  
 \*Monticulipora (Ch.) tuberculata, Ed. & H.  
 ✓ \*Monticulipora (Ch. fletcheri) ulrichi, Nicholson.  
 \*Monticulipora (Ch.) varians, James.  
 Monticulipora (Ch.) venusta, Ulrich.  
 \*Monticulipora whitfieldi, James.  
 \*Monticulipora (Ch.) whiteavesi, Nicholson.  
 ✓ Palaeophyllum divaricans, Nicholson.  
 ✓ \*Protarea vetusta, Edwards and Haime.  
 Protarea vetusta, var. verneuili, Edwards & Haime.  
 ✓ \*Stellipora antheloidea, Hall.  
 \*Stellipora plana, Ulrich. §  
 Stellipora limitaris, Ulrich.  
 ✓ \*Streptelasma corniculum, Hall.  
 Streptelasma sessile, Ulrich.  
 Tetradium cellulolum, Hall.  
 Tetradium columnare, Hall.  
 \*Tetradium fibratum, Safford.  
 \*Tetradium minus, Safford.  
 Zaphrentis ohioensis, James.

## ECHINODERMATA.

### Order CRINOIDEA.

- Anomalocrinus caponiformis, Lyon.  
 Anomalocrinus incurvus, Meek & Worthen.  
 Glyptocrinus angularis, S. A. Miller.  
 Glyptocrinus baeri, Meek.  
 Glyptocrinus cognatus, S. A. Miller.  
 ✓ \*Glyptocrinus decadactylus, Hall.  
 ✓ \*Glyptocrinus dyeri, Meek.



- Glyptocrinus dyeri*, var. *sublevis*, S. A. Miller.  
*Glyptocrinus fornshelli*, S. A. Miller.  
*Glyptocrinus harrisi*, S. A. Miller.  
 †*Glyptocrinus o'nealli*, Hall.  
*Glyptocrinus parvus*, Hall.  
*Glyptocrinus shafferi*, S. A. Miller.  
*Glyptocrinus shafferi*, var. *germanus*, S. A. Miller.  
*Glyptocrinus* (?) *simplex*, Wetherby.  
*Glyptocrinus subglobosus*, Meek.  
*Glyptocrinus ulrichi*, Wetherby.  
*Heterocrinus constrictus*, Hall.  
*Heterocrinus constrictus*, var. *compactus*, Meek.  
*Heterocrinus exilis*, Hall.  
*Heterocrinus exilis*, var. *exiguus*, Meek.  
*Heterocrinus* (*Iocrinus*) *geniculatus*, Ulrich.  
*Heterocrinus heterodactylus*, Hall.  
*Heterocrinus juvenis*, Hall.  
*Heterocrinus laxus*, Hall.  
 \**Heterocrinus simplex*, Hall.  
 \**Heterocrinus simplex*, var. *grandis*, Meek.  
 †*Heterocrinus* (*Iocrinus*) *subcrassus*, Meek & Worth.  
*Heterocrinus tenuis*, Billings.  
*Heterocrinus vaupeli*, Wetherby.  
*Poteriocrinus* (*Dendrocrinus*) *caduceus*, Hall.  
*Poteriocrinus* (*Dendrocrinus*) *casei*, Meek.  
*Poteriocrinus* (*Dendrocrinus*) *cincinnatiensis*, Meek.  
*Poteriocrinus* (*Dendrocrinus*) *covingtonensis*, W'by.  
*Poteriocrinus* (*Dendrocrinus*) (?) *curtus*, Ulrich.  
*Poteriocrinus* (*Dendrocrinus*) *dyeri*, Meek.  
*Poteriocrinus* (*Dendrocrinus*) *navigiolum*, S. A. M.  
 \**Poteriocrinus* (*Dendrocrinus*) *polydactylus*, Shum'rd.  
*Poteriocrinus* (*Dendrocrinus*) *posticus*, Hall.  
*Reteocrinus gracilis*, Wetherby.  
*Reteocrinus* (*Glyptocrinus*) *richardsoni*, Wetherby.  
*Xenocrinus pencillus*, S. A. M.

## Order CYSTOIDEA.

- \**Agelacrinites cincinnatiensis*, Røemer.
- Agelacrinites holbrooki*, James.
- \**Agelacrinites pileus*, Hall.
- Agelacrinites septembrachiatus*, Miller and Dyer.
- \**Agelacrinites vorticellatus*, Hall.
- Cyclocystoides bellulus*, Miller and Dyer.
- Cyclocystoides magnus*, Miller and Dyer.
- Cyclocystoides minus*, Miller and Dyer.
- Cyclocystoides mundulus*, Miller and Dyer.
- Cyclocystoides parvus*, Miller and Dyer.
- Hemicystites granulatus*, Hall.
- \**Hemicystites stellatus*, Hall.
- Lepocrinites moorei*, Meek.
- \**Lichenocrinus crateriformis*, Hall.
- Lichenocrinus dubius*, S. A. Miller.
- \**Lichenocrinus dyeri*, Hall.
- Lichenocrinus pattersoni*, S. A. Miller.
- Lichenocrinus tuberculatus*, S. A. Miller.
- Microcystites globosus*, Ulrich. ♂

## Order ASTEROIDEA.

- Palæaster clarkana*, S. A. Miller.
- Palæaster dubius*, Miller & Dyer.
- Palæaster dyeri*, Meek.
- Palæaster exculptus*, S. A. Miller.
- Palæaster finei*, Ulrich.
- Palæaster granulatus*, Hall.
- Palæaster harrisi*, S. A. Miller.
- Palæaster incomptus*, Meek.
- Palæaster jamesi*, Dana.
- Palæaster longibrachiatus*, S. A. Miller.
- Palæaster miamiensis*, S. A. Miller.
- Palæaster shafferi*, Hall.
- Palæaster simplex*, S. A. Miller.
- Palæaster spinulosus*, Miller & Dyer.

*Palæasterina approximata*, Miller & Dyer.

*Palæasterina speciosa*, Miller and Dyer.

*Stenaster grandis*, Meek.

### Order OPHIUROIDEA.

*Protaster* (*Protasterina*, Ulr.) *granuliferus*, Meek.

*Protaster* (*Protasterina*, Ulr.) *flexuosa*, Miller & Dyer.

*Protasterina fimbriata*, Ulrich.

## MOLLUSCOIDEA.

### Class POLYZOA.

\*(*Alecto*) *Stomatopora auloporoides*, Nicholson.

(*Alecto*) *Stomatopora confusa*, Nicholson.

\*(*Alecto*) *Stomatopora frondosa*, James.

\*(*Alecto*) *Stomatopora nexilis*, James.

(*Alecto*) *Stomatopora arachnoidea*, Hall.

*Bythopora fruticosa*, Miller and Dyer.

*Bythopora tenuichorda*, Ulrich. §

*Callopora cincinnatiensis*, Ulrich.

\**Callopora milfordensis*, James.

\**Ceramopora alternata*, James.

\**Ceramopora beani*, James.

\**Ceramopora concentrica*, James.

*Ceramopora distincta*, Ulrich. §

*Ceramopora* (?) *irregularis*, James.

*Ceramopora marginata*, Ulrich. §

*Ceramopora multipora*, James.

\**Ceramopora nicholsoni*, James.

\**Ceramopora ohioensis*, Nicholson.

\**Ceramopora radiata*, James.

*Ceramopora utricula*, Ulrich. §

\**Ceramopora whitei*, James.

*Helopora* (*Bythopora*) *arctipora*, Nich.

- Helopora* (*Bythopora*) *dendrina*, James.  
 \**Helopora* (*Bythopora*) *meekei*, James.  
 \**Helopora* (*Bythopora*) *parvula*, James.  
 \**Helopora* (*Arthroclema* ?) *tenuis*, James.  
 \**Hippothoa* *delicatula*, James.  
 \**Hippothoa* (*Alecto*) *inflata*, Hall.  
*Intricaria* *clathrata*, Miller and Dyer.  
 \**Ptilodictya* *acuminata*, James.  
*Ptilodictya* *antiqua*, James.  
*Ptilodictya* *birgunensis*, Ulrich. §  
 \**Ptilodictya* *cincinnatiensis*, James.  
 \**Ptilodictya* *cleavelandi*, James.  
*Ptilodictya* *clintonensis*, James.  
*Ptilodictya* *dubia*, James.  
*Ptilodictya* (*Arthropora*) *emacerata*, Nich.  
 \**Ptilodictya* *falciformis*, Nich.  
*Ptilodictya* *fenstelliformis*, Nich.  
 \**Ptilodictya* (*Heterodictya*) *flabella*, Ulrich. §  
*Ptilodictya* *flagellum*, Nicholson.  
 \**Ptilodictya* *flexuosa*, James.  
 †*Ptilodictya* (*Arthropora*) *fragalis*, Billings.  
*Ptilodictya* *grahami*, James.  
 \**Ptilodictya* *granulosa*, James.  
 \**Ptilodictya* *hilli*, James.  
*Ptilodictya* (*Arthropora*) *internodia*, Miller & Dyer.  
*Ptilodictya* *kentuckyensis*, James.  
*Ptilodictya* *latirama*, Ulrich. §  
*Ptilodictya* (*Heterodictya*) *maculata*, Ulrich. §  
*Ptilodictya* (*Heterodictya*) *magnifica*, S. A. Miller.  
*Ptilodictya* *monticulipora*, Dennis.  
 \**Ptilodictya* (*Arthropora*) *nitidula*, Billings.  
*Ptilodictya* (*Heterodictya*) *nodosa*, James.  
 \**Ptilodictya* *parallela*, James.  
*Ptilodictya* *perelegans*, Ulrich.  
*Ptilodictya* (*Heterodictya*) *plumaria*, James.  
*Ptilodictya* (*Heterodictya*) *ponderosa*, Ulrich. §  
 \**Ptilodictya* (*Arthropora*) *shafferi*, Meek.



*Ptilodictya teres*, James.  
*Rapalonia venosa*, Ulrich.

### Class BRACHIOPODA.

- Crania alternata*, James.  
*Crania asperula*, James.  
*Crania costata*, James.  
*Crania dyeri*, S. A. Miller.  
 \**Crania laelia*, Hall.  
*Crania multipunctata*, S. A. Miller.  
*Crania parallela*, Ulrich.  
 \**Crania percarinata*, Ulrich.  
*Crania reticularis*, S. A. Miller.  
 \**Crania scabiosa*, Hall.  
 \**Crania socialis*, Ulrich.  
*Discina pelopea* (?) Billings.  
*Discina* (?) *punctata*, Ulrich. §  
*Discina sublamellosa*, Ulrich.  
*Discina tenuistriata*, Ulrich.  
*Leptæna plicatella*, Ulrich.  
 \**Leptæna sericea*, Sowerby.  
 \**Leptæna sericea*, var. *aspera*, James.  
*Leptobolus elongatus*, Ulrich.  
*Leptobolus lepis*, Hall.  
*Leptobolus insignis*, Hall.  
*Lingula* (*Lingulella*) *attenuata*, Sowerby.  
*Lingula belliformis*, Ulrich. §  
*Lingula bisulcata*, Ulrich. §  
*Lingula covingtonensis*, Hall & Whitfield.  
 \**Lingula daphne*, Billings.  
*Lingula elderi*, Whitfield.  
*Lingula modesta*, Ulrich. §  
*Lingula* (*Lingulella*) *norwoodi*, James.  
*Lingula quadrata*, Eichwald.  
*Lingula* (*Lingulella*) *riciniformis*, Hall.  
 \**Lingula* (*Lingulella*) *van horni*, S. A. Miller.

- ~~o acutilirata "~~  
 ✓ \**Lingulella cincinnatiensis*, Hall & Whitfield.  
 †*Orthis æquivalvis*, Hall.  
 ✓ \**Orthis bellula*, James.  
 ✓ \**Orthis biforata*, Schlotheim.  
     *Orthis biforata*, var. *acuminata*, James.  
 ✓ \**Orthis biforata*, var. *acutilirata*, James.  
     *Orthis biforata*, var. *anniana*, James.  
     *Orthis biforata*, var. *cypha*, James.  
 ✓ *Orthis biforata*, var. *dentata*, Pander.  
     *Orthis biforata*, var. *inflata*, James.  
     \**Orthis biforata*, var. *laticostata*, James.  
 ✓ \**Orthis biforata*, var. *lynx*, Von Buch.  
     *Orthis biforata*, var. *profundo-sulcata*, Owen.  
     \**Orthis borealis*, Billings.  
     *Orthis clytie*, Hall.  
     *Orthis centrilineata*, Hall.  
     *Orthis cincinnatiensis*, Ulrich.  
     *Orthis crassa*, James.  
     \**Orthis cyclus*, James.  
     *Orthis dichotoma*, Hall.  
     *Orthis disparilis*, Conrad.  
 ✓ \**Orthis ella*, Hall.  
     \**Orthis emacerata*, Hall.  
     *Orthis emacerata*, var. *meeki*, S. A. Miller.  
     *Orthis erratica*, Hall.  
 ✓ \**Orthis fissicosta*, Hall.  
 ✓ \**Orthis insculpta*, Hall.  
 ✓ *Orthis jamesi*, Hall.  
     \**Orthis linneyi*, James.  
     *Orthis merope*, Billings.  
     *Orthis morrowensis*, James.  
     \**Orthis multisecta*, James.  
     \**Orthis neglecta*, James.  
 ✓ \**Orthis occidentalis*, Hall.  
     *Orthis orthambonites*, Pander.  
     *Orthis pectinella*, Conrad.  
     *Orthis pectinella*, var. *semiovalis*, Hall.

- ✓ \**Orthis plicatella*, Hall.
- Orthis pumila*, Ulrich.
- \**Orthis retrorsa*, Salter.
- Orthis* (*Zygospira* ?) *sectostriata*, Ulrich.
- ✓ \**Orthis sinuata*, Hall.
- Orthis subelegantula*, Ulrich.
- ✓ \**Orthis subquadrata*, Hall.
- ✓ \**Orthis testudinaria*, Dalman.
- \**Orthis testudinaria*, var. *jugosa*, James.
- Orthis tricenaria*, Conrad.
- ✓ \**Orthis triplicatella*, Meek.
- \**Pholidops cincinnatiensis*, Hall.
- ✓ \**Rhynchonella capax*, Conrad.
- \**Rhynchonella capax*, var. *perlamellosa*, Whitfield.
- ✓ \**Rhynchonella dentata*, Hall.
- ✓ \**Schizocrania filosa*, Hall.
- Streptorhynchus approximatus*, James.
- ✓ \**Streptorhynchus elongatus*, James.
- Streptorhynchus filitextus*, Hall.
- Streptorhynchus hallianus*, S. A. Miller.
- \**Streptorhynchus neglectus*, James.
- \**Streptorhynchus nutans*, James.
- ✓ \**Streptorhynchus planoconvexus*, Hall.
- ✓ \**Streptorhynchus sinuatus*, Emmons.
- \**Streptorhynchus subtentus*, Conrad.
- ✓ \**Streptorhynchus subtentus*, var. *planumbonus*, Hall.
- ✓ \**Streptorhynchus sulcatus*, Verneuil.
- \**Streptorhynchus vetustus*, James.
- ✓ \**Strophomena alternata*, Conrad.
- \**Strophomena alternata*, var. *alternistriata*, Hall.
- Strophomena alternata*, var. *loxorhytis*, Meek.
- ✓ \**Strophomena alternata*, var. *nasuta*, Conrad.
- Strophomena camerata*, Conrad.
- Strophomena declivis*, James.
- Strophomena fracta*, Meek.
- Strophomena philomela*, Billings.
- \**Strophomena rhomboidalis*, Wilckens.

✓ ~~*Streptorhynchus planumbonus*~~

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- \**Strophomena rhomboidalis*, var. *gibbosa*, James.
  - ✓\**Strophomena squamula*, James.
  - \**Strophomena tenuistriata*, Sowerby.  
*Strophomena tenuilineata*, Conrad.
  - \**Strophomena ulrichi*, James.  
*Trematis crassipuncta*, Ulrich.♂  
*Trematis dyeri*, S. A. Miller.  
*Trematis magna*, Ulrich.♂
  - ✓\**Trematis millepunctata*, Hall.
  - \**Trematis punctostriata*, Hall.  
*Trematis quincuncialis*, Miller & Dyer.  
*Trematospira granulifera*, Nicholson.
  - \**Trematospira quadriplicata*, S. A. Miller.  
*Trematospira* (?) *similis*, Ulrich.♂
  - ✓\**Zygospira cincinnatiensis*, James.
  - ✓*Zygospira concentrica*, Ulrich.
  - ✓\**Zygospira headi*, Billings.
  - ✓\**Zygospira modesta*, Say.
  - \**Zygospira modesta*, var. *kentuckyensis*, James.

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## MOLLUSCA.

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### Class GASTEROPODA.

- ✓\**Bellerophon bilobatus*, Sowerby.  
*Bellerophon capax*, Ulrich.♂  
*Bellerophon mohri*, S. A. Miller.  
*Bellerophon morrowensis*, Miller & Dyer.  
*Bucania costata*, James.
- ✓*Bucania expansa*, Hall.  
*Carinaropsis patelliformis*, Hall.
- ✓\**Cyclonema bilix*, Hall.  
*Cyclonema conicum*, S. A. Miller.
- \**Cyclonema fluctuatum*, James.



- Cyclonema (Holopea) minor, James.  
Cyclonema montrealensis, Billings.  
Cyclonema percarinatum, Hall.  
✓ \*Cyclonema phaedra, Billings.  
✓ \*Cyclonema pyramidatum, James.  
Cyclonema transversum, Ulrich. §  
Cyclonema varicosum, Hall.  
Cyclora depressa, Ulrich.  
Cyclora hoffmani, S. A. Miller.  
Cyclora minuta, Hall.  
Cyclora parvula, Hall.  
✓ Cyrtolites carinatus, S. A. Miller.  
Cyrtolites compressus, Conrad.  
Cyrtolites costatus, James.  
Cyrtolites dyeri, Hall.  
Cyrtolites elegans, S. A. Miller.  
Cyrtolites magnus, S. A. Miller.  
Cyrtolites nitidulus, Ulrich.  
✓ \*Cyrtolites ornatus, Conrad.  
\*Fusispira subfusiformis, Hall.  
Fusispira terebriformis, Hall.  
Holopea obliqua, Hall.  
Holopea paludinaformis, Hall.  
Microceras inornatum, Hall.  
Microceras minutissimum, Ulrich.  
Murchisonia angustata, Hall.  
Murchisonia angustina, Billings.  
✓ \*Murchisonia bellacineta, Hall.  
Murchisonia decurta, Hall.  
✓ \*Murchisonia gracilis, Hall.  
✓ \*Murchisonia milleri, Hall.  
Murchisonia multigruma, S. A. Miller.  
\*Murchisonia perangulata, Hall.  
\*Murchisonia simulatrix, Billings.  
Murchisonia sumnerensis, Safford.  
Murchisonia uniangulata, Hall.  
Ophileta levata (?) Vanuxem.

- Pleurotomaria ambigua*, Hall.  
*Pleurotomaria calphurnia* (?) Billings.  
*Pleurotomaria carinata*, James.  
*Pleurotomaria dryope*, Billings.  
*Pleurotomaria halli*, S. A. Miller.  
*Pleurotomaria lenticularis*, Sowerby.  
*\*Pleurotomaria ohioensis*, James.  
*\*Pleurotomaria subconica*, Hall.  
*Pleurotomaria subtilstriata*, Hall.  
*Pleurotomaria tropidophora*, Meek.  
*Pleurotomaria umbilicata*, Hall.  
*\*Raphistoma lenticulare*, Conrad.  
*Raphistoma planispira*, Hall.  
*Raphistoma planistria*, Hall.  
*Raphistoma staminium*, Dennis.  
*Subulites acceptus*, Ulrich. ♂  
*\*Trochonema umbilicatum*, Hall.

### Class PTEROPODA.

- Conularia formosa*, Miller & Dyer.  
*Conularia quadrata*, Walcott.  
*Conularia trentonensis*, Hall.  
*Hyalithes americanus*, Billings.

### Class CEPHALOPODA.

- Cyrtoceras amœnum*, S. A. Miller.  
*Cyrtoceras conoidale*, Wetherby.  
*Cyrtoceras irregulare*, Wetherby.  
*Cyrtoceras magister*, S. A. Miller.  
*Cyrtoceras ventricosum*, S. A. Miller.  
*Cyrtoceras vollandighami*, S. A. Miller.  
*Endoceras annulatum*, Hall.  
*Endoceras approximatum*, Hall.  
*\*Endoceras magniventrum*, Hall.  
*\*Endoceras proteiforme*, Hall.  
*Endoceras proteiforme*, var. *strangulatum*, Hall.

*Endoceras proteiforme*, var. *lineolatum*, Hall.

*Endoceras subcentrale*, Hall.

*Gomphoceras acceptum*, Ulrich. §

*Gomphoceras eos*, Hall & Whitfield.

*Ormoceras tenuifilum*, Hall.

*Orthoceras amplicameratum*, Hall.

*Orthoceras annellum*, Conrad.

✓ *Orthoceras byrnesi*, S. A. Miller.

\**Orthoceras carleyi*, Hall & Whitfield.

*Orthoceras cincinnatiensis*, S. A. Miller.

*Orthoceras duryi*, S. A. Miller.

\**Orthoceras duseri*, Hall and Whitfield.

*Orthoceras dyeri*, S. A. Miller.

\**Orthoceras fosteri*, S. A. Miller.

\**Orthoceras halli*, S. A. Miller.

*Orthoceras harperi*, S. A. Miller.

\**Orthoceras hindei*, James.

\**Orthoceras junceum*, Hall.

*Orthoceras meeki*, S. A. Miller.

*Orthoceras mohri*, S. A. Miller.

*Orthoceras ortonii*, Meek.

✓ †*Orthoceras transversum*, S. A. Miller.

*Orthoceras turbidum*, Hall and Whitfield.

*Phragmoceras hector* (?) Billings.

*Trochoceras baeri*, Meek and Worthen.

*Trocholites ammonius*, Conrad.

*Trocholites circularis*, Miller and Dyer.

*Trocholites minusculus*, Miller and Dyer.

### Class LAMELLIBRANCHIATA.

*Ambonychia bellastriata*, Hall.

*Ambonychia casei*, Meek and Worthen.

*Ambonychia costata*, James.

*Ambonychia obtusa*, Hall.

✓ \**Ambonychia radiata*, Hall.

*Ambonychia retrorsa*, S. A. Miller.

*Ambonychia robusta*, S. A. Miller.

- Angellum cuneatum*, S. A. Miller.  
 \**Anodontopsis* (?) *milleri*, Meek.  
*Anodontopsis* (?) *unionoides*, Meek.  
*Anomalodonta alata*, Meek.  
*Anomalodonta gigantea*, S. A. Miller.  
*Cardiomorpha* (?) *obliquata*, Meek.  
*Cleidophorus ellipticus*, Ulrich.  
*Cleidophorus fabulus*, Hall.  
*Cleidophorus major*, Ulrich.  
*Cleidophorus planulatus*, Conrad.  
*Cleidophorus subellipticus*, Ulrich. ♂  
*Cuneamya ampla*, Ulrich. ♂  
*Cuneamya curta*, Whitfield.  
*Cuneamya contracta*, Ulrich. ♂  
*Cuneamya inflata*, Ulrich. ♂  
*Cuneamya miamiensis*, Hall & Whitfield.  
*Cuneamya parva*, S. A. Miller.  
*Cuneamya scapha*, Hall & Whitfield.  
*Cuneamya subcurta*, Ulrich. ♂  
*Cycloconcha mediocardinalis*, S. A. Miller.  
*Cypricardites dorsata*, Ulrich.  
     (Syn. *C. carinata*, Meek.)  
*Cypricardites hainesi*, S. A. Miller.  
*Cypricardites quadrangularis*, Whitfield.  
*Cypricardites sterlingensis*, Meek & Worthen.  
*Cypricardites subtruncata*, Hall.  
*Cypricardites ventricosa*, Hall.  
*Cypricardites* (*Cyrtodonta*) *hindi*, Billings.  
*Lyrodesma cincinnatiensis*, Hall.  
*Lyrodesma planum*, Conrad.  
*Lyrodesma* (*Nucula*) *postriatum*, Emmons.  
*Megambonia jamesi*, Meek.  
*Modiolopsis anodontoides*, Conrad.  
*Modiolopsis cincinnatiensis*, Hall & Whitfield.  
 \**Modiolopsis concentrica*, Hall & Whitfield.  
*Modiolopsis cuneiformis*, James.  
*Modiolopsis curta*, Hall.

- Modiolopsis faba, Conrad.  
 Modiolopsis modioliformis, Meek & Worthen.  
 \*Modiolopsis modiolaris, Conrad.  
 Modiolopsis nasuta, Conrad.  
 \*Modiolopsis pholadiformis, Foster & Whitney.  
 Modiolopsis spatulata, James.  
 Modiolopsis terminalis, Hall.  
 \*Modiolopsis truncata, Hall.  
 Modiolopsis versaillesensis, S. A. Miller.  
 Nuculites yoldiaformis, Ulrich.  
 Orthodesma byrnesi, S. A. Miller.  
 Orthodesma cancellatum, Ulrich. ♂  
 \*Orthodesma (Orthonota) contractum, Hall.  
 Orthodesma cuneiforme, S. A. Miller.  
 Orthodesma curvatum, Hall & Whitfield.  
 Orthodesma intermedium, Ulrich. ♂  
 Orthodesma mickleboroughi, Whitfield.  
 \*Orthodesma (Orthonata) parallelum, Hall.  
 Orthodesma occidentale, S. A. Miller.  
 Orthodesma rectum, Hall & Whitfield.  
 Orthodesma subovale, Ulrich.  
 Orthonota pholadis, Conrad.  
 Pterinea bellilineata, Billings.  
 \*Pterinea (Avicula) corrugata, James.  
 \*Pterinea (Avicula) demissa, Conrad.  
 \*Pterinea (Avicula) insueta, Conrad.  
 Pterinea (Avicula) mucronata, Ulrich.  
 Pterinea subquadrata, James.  
 Pterinea (Avicula) welchi, James.  
 Sedgwickia compressa, Meek.  
 Sedgwickia divaricata, Hall and Whitfield.  
 Sedgwickia fragilis, Meek.  
 Sedgwickia lunulata, Whitfield.  
 Sedgwickia (?) neglecta, Meek.  
 Tellinomya cincinnatiensis, Hall.  
 Tellinomya cingulata, Ulrich.  
 Tellinomya gibbosa, Hall.

*Pterinea insenta*



- L. F. levata. Hall*
- Tellinomya hilli, S. A. Miller.  
 L Tellinomya ~~elevata~~, Hall. *al*  
 Tellinomya nasuta, Hall.  
 Tellinomya (Nucula) obliqua, Hall.  
 Tellinomya pectunculoides, Hall.

## ARTICULATA.

### Class ANNELIDA.

- Arabellites lunatus, Hinde.  
 Arabellites minor, Ulrich. §  
 Arabellites parallelus, Ulrich. §  
 Arabellites quadratus, Hinde.  
 Arabellites tridentatus, Ulrich. §  
 Conchiocolites? (Ortonia) conicus, Nich.  
 L Conchiocolites (Ortonia) corrugatus, Nich.  
 Conchiocolites (Ortonia) flexuosus, Hall.  
 \*Conchiocolites (Ortonia) minor, Nich.  
 Conchiocolites (Ortonia) striatellus, Nich.  
 \*Eotrophonia setigera, Ulrich.  
 Eunicites simplex, Hinde.  
 Eunicites paucipens, Ulrich. §  
 Eunicites subcontortus, Ulrich. §  
 Lumbriconercites dactylodus, Hinde.  
 Lumbriconercites excavatus, Ulrich. §  
 Nereidavus varians, Grinnell.  
 Oeononites longidens, Ulrich. §  
 \*Protoscolex covingtonensis, Ulrich.  
 \*Protoscolex ornatus, Ulrich.  
 Protoscolex (?) simplex, Ulrich.  
 Protoscolex tenuis, Ulrich.  
 Protoscolex (?) flaccidus, Ulrich. §  
 \*Serpulites dissolutus, Billings.  
 L \*Serpulites jamesi, Nicholson.

- Spirorbis cincinnatiensis, Miller & Dyer.  
 Spirorbis lovelandensis, James.  
 Tentaculites richmondensis, S. A. Miller.  
 \*Tentaculites sterlingensis, Meek & Worthen.  
 Tentaculites tenuistriatus, Meek & Worthen.  
 Walcottia cookana, Miller & Dyer.  
 Walcottia rugosa, Miller & Dyer.  
 Walcottia sulcata, James.

## Class CRUSTACEA.

- \*Acidaspis cincinnatiensis, Meek.  
 Acidaspis ceralepta, Anthony.  
 Acidaspis anchoralis, S. A. Miller.  
 \*Acidaspis crossota, Locke.  
 Acidaspis o'nealli, S. A. Miller.  
 Acidaspis trentonensis, Hall.  
 \*Asaphus gigas, DeKay.  
 \*Asaphus megistos, Locke.  
 Beyrichia (Primitia, Jones) cincinnatiensis, S. A. M.  
 \*Beyrichia chambersi, S. A. Miller.  
 \*Beyrichia ciliata, Emmons.  
 Beyrichia duryi, S. A. Miller.  
 Beyrichia elongata, Ulrich. §  
 \*Beyrichia oculifera, Hall.  
 \*Beyrichia persulcata, Ulrich.  
 Beyrichia regularis, Emmons.  
 Beyrichia richardsoni, S. A. Miller.  
 Beyrichia (Primitia) striatomarginata, S. A. Miller.  
 \*Calymene christyi, Hall.  
 \*Calymene senaria, Conrad.  
 Ceraurus icarus, Billings.  
 Ceraurus perforator, Billings.  
 \*Ceraurus pleurexanthemus, Green.  
 Cythere cincinnatiensis, Meek.  
 Cythere irregularis, S. A. Miller.  
 Dalmanites achates, Billings.  
 Dalmanites breviceps, Hall.

- \**Dalmanites carleyi*, Meek.  
*Dalmanites callicephalus*, Hall.  
*Enploura* (*Anomalocistices*) *balanoides*, Meek.  
*Leperditia* (*Isochilina*, Jones) *ampla*, Ulrich. §  
*Leperditia* (*Isochilina*, Jones) *approximata*, Ulrich. §  
*Leperditia* (*Primitia*) *bipartita*, Ulrich. §  
*Leperditia* (*Primitia*) *bivertex*, Ulrich.  
\**Leperditia* (*Primitia*) *byrnesi*, S. A. Miller.  
\**Leperditia* (*Primitia*) *crepiformis*, Ulrich.  
\**Leperditia* (*Cytheropsis*) *cylindrica*, Hall.  
*Leperditia cæcigena*, S. A. Miller.  
*Leperditia* (*Isochilina*) *gibbosa*, Ulrich. §  
*Leperditia glabra*, Ulrich. §  
*Leperditia josephana*, Jones.  
*Leperditia* (*Isochilina*) *latimarginata* (?) Ulrich. §  
*Leperditia* (*Primitia*) *logani*, Jones.  
*Leperditia* (*Isochilina* ?) *minutissima*, Hall.  
*Leperditia radiata*, Ulrich.  
*Leperditia tumida*, Ulrich. §  
\**Leperditia* (*Cytheropsis*) *unicornis*, Ulrich.  
*Lichas harrisi*, S.A.M.  
*Lichas trentonensis*, Conrad.  
*Proetus parviusculus*, Hall.  
*Proetus spurlocki*, Meek.  
\**Triarthrus becki*, Green.  
*Trinucleus bellulus*, Ulrich.  
\**Trinucleus concentricus*, Eaton.

## PISCES (?).

- Depranodus subrectus*, Ulrich. §  
*Depranodus sulcatus*, Ulrich. §  
*Prioniodus disparilis*, Ulrich. §

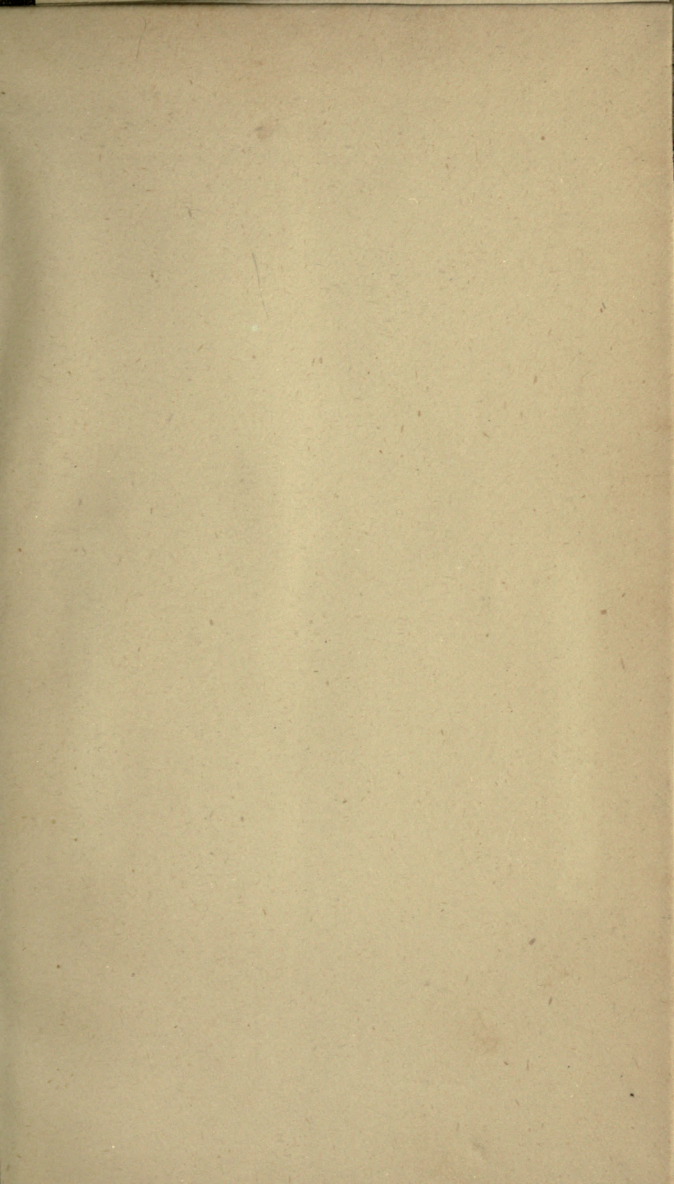
## INCERTA SEDES.

- Anomaloides reticulatus*, Ulrich.  
*Asaphoidichnus dyeri*, S.A.M.  
*Asaphoidichnus trifidus*, S.A.M.

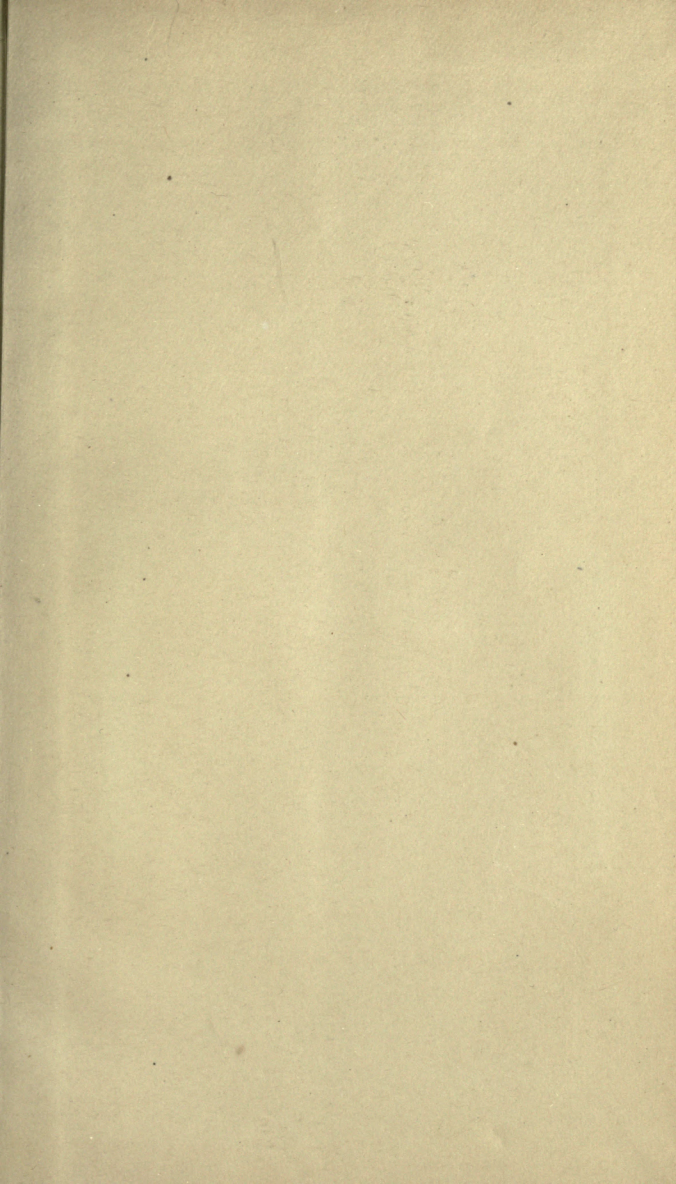
- 
- Lepidolites dickhauti, Ulrich.  
Lepidolites elongatus, Ulrich.  
Ormathichnus moniliformis, S.A.M.  
Pasceolus claudi, S.A.M.  
Pasceolus darwini, S. A. Miller.  
Pasceolus gibbosus, Billings.  
Petalichnus multipartitus, S.A.M.  
Plumulites (?) dubius, Ulrich. ♂  
\*Plumulites jamesi, Hall & Whitfield.  
\*Scolithus delicatulus, James.  
\*Scolithus linearis, Haldeman.  
Scolithus tuberosus, Miller & Dyer.  
Teratichnus confertus, S. A. Miller.  
Trachomatichnus cincinnatiensis, S. A. Miller.  
Trachomatichnus numerosus, S. A. Miller.  
Trachomatichnus permultus, S. A. Miller.















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