LIST OF

DUPLICATES

OF

MARINE, LAND, AND FRESH WATER SHELLS

From Japan, Loo Choo Islands, Bahamas, Hawaiian Islands, Philippine Islands, Polynesian Islands, etc.

COLLECTED BY

FREDERICK STEARNS,

DETROIT, MICHIGAN, U. S. AMERICA.

1896
LIST OF DUPLICATES

OF

JAPANESE SHELLS

MARINE, LAND, AND FRESH WATER,

COLLECTED PERSONALLY BY

FREDERICK STEARNS

OF DETROIT, MICHIGAN, U. S. A.,

DURING HIS TWO VISITS TO JAPAN, 1889-90, AND 1892, AND OFFERED FOR SALE OR EXCHANGE.

DETROIT:

John F. Eby, Printer, Park Place and Michigan Avenue.

1896.
NOTE.

Reference in following lists of DUPLICATES is made to the pages of the new complete catalogue of the Marine Mollusks of Japan, with descriptions and illustrations of new species, and notes on others—the collections of Frederick Stearns—by Henry A. Pilsbry, Conservator of the Conchological Section of the Academy of Natural Sciences, Philadelphia, Pa., U. S. A.

The above catalogue was published by Frederick Stearns, 1895, pp. 204, plates XI, 140 figures. Price in paper covers, $1.00; bound in cloth, $1.50. If by mail, 12 cents extra must be sent for pre-paying postage. (See advertisement on last page of cover.)

I desire and expect to use these duplicates to obtain in exchange from other and original collectors, desirable species of shells, echinoderms, crustaceans, star fishes, corals, sponges, etc., etc., not now in my collection.

Persons receiving this list and desiring to exchange will send me a list of what they have to offer of the rarer species, not necessarily showy or striking, among which new and undetermined species and varieties will be welcome, so long as they are known to be such, and from the hands of the original collectors. I have no lists of desiderata to send to any one.

Postal charges in all cases to be paid by the sender and not by the receiver, unless under special arrangements to the contrary. The charges on large shells, or on large parcels of shells which cannot be sent by mail, but which must go by express, or as freight by rail, must be paid by the receiver.

Correspondence will be acceptable in Spanish, German, French, Portuguese, as well as English.

Persons having rare shells which they prefer to sell for cash only will be treated with.

The prices affixed to the shells on this list are believed to be reasonable, and in offering shells for exchange I expect my correspondent will affix a price to each species offered, in order that an exchange or sale may be eveny and promptly adjusted.

This list comprises the duplicates of the collections of two visits to Japan, 1889-90 and 1892. The quantity of new material obtained on the last visit delayed the issue of this list for reason that two years passed before the new and complete catalogue of Japan Marine Shells could be written and published.

A list of DUPLICATE Loo Choo, Hawaiian, and South Sea Shells was printed in 1894, but not mailed to conchologists until now (1896), when it is enclosed with this list.

In ordering, please give the name of the list, whether Japanese, Loo Choo, Hawaiian, or other. Mention page and species, number wanted, and price.

Collectors and dealers wishing any of these shells, and not having desirable species to offer in exchange, will please write their wishes.

Some species are in considerable numbers, and shell dealers wishing to purchase such may write for particulars.

Where two prices are given, it is for varying sizes, quality, or quantity.

The largest number of species of shells in the new catalogue are those of rare museum types here and abroad, and of those of which I only found one or few, and hence those are retained as types in my personal general collection now displayed in the rooms of the Detroit Scientific Museum.
LIST OF DUPLICATES
OF
Frederick Stearns' Collection of Marine, Fresh Water, and Land

SHELLS OF JAPAN,

FOR SALE OR EXCHANGE.

SEPIIDAE.

Page.
2. Sepia esculenta Hoyle. Each 15 to 25c.

LOLIGINIDAE.


SIPHONARIDAE.

5. Siphonaria sirius Pilsbry (new species) see plate VI, figs. 23 to 28. Each 10c, 3 for 25c.
5. Siphonaria sipho Shy. Each 10c, 3 for 25c.
6. Siphonaria amara Nutt.; (Loo Choo). Each 10c, 5 for 25c.

ACTAEONIDAE.


PHILINIDAE.


TEREBRIDAE.

11. Terebra bifrons Hinds. Each 90c.
12. Terebra (Myurella) polyclavata Dkr. Each 15c, 3 for 35c.
12. Terebra serotina Ads. & Rve. Each 20c, 3 for 50c.

CONIDAE.


PLEUROTOMIDAE.

16. Columbarium (Fusus), pagoda Less. Each $5.00 to $8.00.
This rare shell has been sold recently for as much as $20.00 each.
17. Drilla gracilenta Reeve (2 only). Each 50c.
18. Drilla (?) tokyoensis (new species), plate II, fig. 5. Each 50c.
20. Clathurella ? gainesi (new species), plate II, fig. 4. Each 65c.

CANCELLARIDAE.


OLIVIDAE.

23. Oliva mustelina Lamk. Each 10c, 3 for 25c.
23. Olivella fulgurata Ads. & Rve. Each 10c, 10 for 15c.
23. Olivella fortunei (Ad.) Marratt (fine). Each 10c, 3 for 25c.
23. Olivella japonica, Stearns. Each 10c, 3 for 25c.

VOLUTIDAE.

24. Lyria cassidaria Rve. Each 75c.

MITRIDAE.


FASCIOLARIIDAE.

26. Fusus nodosoplicatus Dkr. Each 40 to 60c.
26. Fusus perplexus A. Ad. (F. inconstanis Lischke). Each 20 to 40c.
27. Fasciolaria trapezium Linn. Each 40 to 60c.
27. Fasciolaria trapezium Linn. var. audouini Jonas. Each 75c.

BUCCINIDAE.

28. Siphonallia cassidariaeforms Rve. Each 40 to 75c.
28. Siphonallia cassidariaeforms var. ornata A. Ad. Each 40 to 75c.
29. Siphonallia fuscolineata Pease (6 varieties of color).
Each 50c, whole suit at 40c each.
29. Siphonallia Stearnsii Pilsbry (new species), plate II, figs. 1, 2 (3 only for sale).
Each $3.00.
30. Siphonallia (Kellettia) kelleti Forbes. Each 40c.
32. Volutharpa perryi Jay. Each 25 to 60c.
33. Tritonidae undulata S. E. Shepherd. Each 25 to 35c.
34. Euthria ferrnea Ay. (E. viridula). Each 15 to 25c.
35. Nassaaria (= Hingis) magnifica Lischke. Each $1.50.
36. Eburna japonica Sby. Each 15 to 30c.

**NASSIDAE.**
37. Nassa (Nlotha) livescens Phil. Each 10c.
38. Nassa (Hima) festiva Powls. Each 5c, 6 for 25c.
40. Nassa (Hima), fraterculus Dkr. Each 5c, 6 for 25c.
41. Nassa (Zeuxis) siquijorensis A. Ad. Each 15c.
42. Nassa (Zeuxis) varicifera A. Ad. var. frater-minor Pilsbry. Each 15c.
43. Nassa hypollis Pilsbry (new species), see plate II, figs. 13, 14. Each 25c.

**COLUMBELLIDAE.**
44. Columbella scripta Lam. (versicolor Sby.) Each 6c, 6 for 25c.
45. Columbella pardinina Lam. var. sagena Reeve. Each 5c, 6 for 25c.
46. Columbella misera Sby. Each 5c, 10 for 25c.
47. Columbella pulchra Dkr. Each 5c, 6 for 25c.
48. Columbella martensi Lischke. Each 10c, 4 for 25c.
49. Columbella (Atilla?) pleurotomoides (new species), Pilsbry, see plate I, fig. 6. Each 25c.
51. Columbella (Conidea) flavus Dkr. Each 15c, 2 for 25c.
52. Amycla varians Dkr. (several colors), Each 6c, 5 for 25c.

**MURICIDAE.**
53. Murex tenuspinia L. Each 50c to $1.25.
54. Murex troschelli Lischke. Each 50c to $1.00.
55. Murex (Haustellum) pleficerus Sby. Each 25c to $1.00.
56. Murex ramosus Lin. (M. brevifrons). Each 25c to 50c.
57. Ocinebra contracta Rve. Each 65c.
58. Ocinebra foilata Mart. Each 20 to 30c.
59. Odinea falcata var. adunca Sby. Each 50 to 75c.
60. Urosalpinx (?) birleffii Lischke (poor) Each 15 to 30c.
61. Rapano bezoar var. thomasiana Gros. Each 25 to 75c.
62. Purpura luteostoma (Chim.) Dilly. Each 5c, 6 for 25c.
63. Purpura luteostoma var. bronnii Dkr. Each 5c, 6 for 25c.
64. Purpura alveolata Rve. Each 5c, 6 for 25c.
66. Purpura alveolata var. tumulosa Lischke. Each 5c, 6 for 25c.

**TRITONIDAE.**
67. Tritonium saulliae Rve. Each 40c to $1.00.
68. Tritonium pileare L. Each 15 to 25c.
69. Gyrineum rana Lin. (Tannella albilabriscona Rve.). Each 35 to 50c.
70. Gyrineum lampas Lin. Each 45 to 75c.
71. Gyrineum affine Brod. (2 only). Each 75c.
72. Gyrineum (Biplex) perca Perry (pulchra Gray). Each 35 to 50c.

**CASSIDIDAE.**
73. Cassis japonica Rve. (C. saburon Lam.). Each 25c to 60c.
74. Cassis (Glancea) coronulata Sby. Each 50c.

**DOLIIDAE.**
75. Doliolum zonatum Green. Each 25 to 50c.
76. Doliolum luteostoma Kus. Each 30c to $1.00.
77. Pyrula reticulata Lam. Each 20c, 3 for 40c.

**CYPRAEIDAE.**
80. Cypraea caputserpentis Lin. Each 5c, 8 for 25c.
81. Cypraea moneta L. var. liberta. Each 6c, 6 for 25c.
82. Cypraea annulus Lin. Each 5c, 6 for 25c.
84. Erato lachryma Gray. Each 25c.
85. Gyvula rhodia Ad. Each 30c.
86. Volva volva Lin. Each 25 to 50c.

**STROMBIDAE.**
87. Strombus succinitus L. var. robustus Sowb. Each 40c.
88. Strombus japonicus Rve. Each 25c.
89. Strombus ustulatus Schum. Each 50c.
90. Strombus luuanus Lin. Each 15c, 3 for 30c.

**CERITHIIDAE.**
91. Cerithium humile Dkr. Each 10c, 5 for 25c.
92. Cerithium (Colina) macrostoma Hinds. Each 15c, 2 for 25c.
94. Clavla kochi Phil. Each 15 to 25c.
95. Clavla vertagus Lin. Each 30c.
96. Clavla vertagus var. japonica. Each 25c.
97. Clavla vertagus var. smooth. Each 25c.
98. Cerithium rhizoporum A. Ad. Each 10c, 4 for 25c.
99. Potamides (Tymanotomos) flaviliris P. and M. Each 10c, 4 for 25c.
100. Potamides (Batillaria) zonalis Brug. (In 3 varieties). Each 10c, 5 for 25c.
101. Potamides (Batillaria) multiformis Lischke (In 2 varieties). Each 10c, 4 for 25c.
102. Potamides (Batillaria) aterrima Dkr. Each 10c, 4 for 25c.
105. Triforis (Viriola) tricincta Dkr. Each 10c, 3 for 25c.

**VERMETIDAE.**
106. Thylacodes (Vermetus) medusae Pilsbry (new species), see plates IV and V. Each 25c to $1.50.

**LITTORINIDAE.**
107. Littorina sitchensa Phil. Each 5c, 10 for 25c.
108. Echinilla cunningli Phil. Each 10c, 3 for 25c.
SOLARIIDAE.
LITIOPIDAE.
66. Dlata tenuis E. A. Smith. 6 for 25c..
RISSOIDAE.
ASSIMINEIDAE.
68. Assiminea japonica v. Marts. Each 10c, 6 for 25c.
69. Assiminea atomaria Phil. Each 25c.
70. Assiminea savatleri Mabille. Each 25c.
CAPULIDAE.
70. Crepidula grandis Midd. Each 25c.
71. Crepidula aculeata Gmel. Each 10c, 4 for 25c.
HIPPONICIDAE.
72. Hipponyx foliaceus Q. & G. Each 10c, 4 for 25c.
73. Hipponyx australis Q. & G. Each 10c, 4 for 25c.
XENOPHORIDAE.
74. Xenophora exuta Rve. Each 50c.
75. Xenophora paliludula Rve. Each 30c to $1.25.
NATICIDAE.
76. Naticea taenata Menke. Each 10 to 15c.
77. Naticea concinna Dkr. Each 8 to 15c.
78. Naticea lurida Phil. Each 10 to 15c.
79. Naticea adamsiana Dkr. Each 15c, 3 for 30c.
82. Polinices (Neverita) lampa Phil. Each 15 to 25c, 4 for 50c.
IANTHINIDAE.
83. Ianthina fragilis Lam. var. planispira A. & R. Each 25c.
84. Ianthina globosa Swains. Each 25c.
SCALIDAE.
85. Scala (Scalaria) lineolata Sby. Each 10c, 4 for 25c.
86. Scala (Scalaria) casta A. Ad. Each 25c.
87. Scala (Scalaria) lamellosa Lam. Each 20c.
EULIMIDAE.
87. Eulima (Lelostraca) bilineata Ads. & Rve. Each 30c.
PYRAMIDELLIDAE.
88. Pyramidella (Syrnola) cinctella Ad. Each 10c, 3 for 25c.
89. Pyramidella (Syrnola) brunnea A. Ad. Each 25c.
90. Pyramidella (Acteopyramis) eximia Lischke. Each 25c.
91. Eulimella phillipiana Dkr. (3 only). Each 35c.
92. Turbonilla (Cingulina) cingulata Dkr. Each 15c, 2 for 25c.
NERITIDAE.
93. Nerita albicilla L. Each 10c, 2 for 25c.
94. Nerita pica Gld. Each 5c, 10 for 25c.
95. Neritina crepidularia Linn. Each 10c, 4 for 25c.
TURBINIDAE.
96. Turbo marmoratus Lin. (With operc.) Each 5c.
97. Turbo petholatus Lin. Each 5c.
98. Turbo (Senectus) argyro-stomus var. margaritaceus Lin. Each 10 to 25c.
99. Turbo (Batillus) cornutus Gmel. Each 40 to 75c.
100. Turbo (Marmorostoma) granulatus Gmel. Each 15c.
102. Astralium (Cyclocantha) haematragus Mke. Each 20c, 3 for 50c.
103. Astralium (Holma) modestum Rve. Each 50c.
104. Astralium (Pachypoma) japonicum Dkr. (2 only). Each $1.50.
105. Leptothyrus rubra Dkr. Each 15c, 2 for 25c.
PHASIANELLIDAE.
106. Phasianella megastoma (new species) see plate VIII, fig. 9, 12 only. Each $1.00.
107. Phasianella oligomphala (new species) see plate VIII, fig. 8. Each 50c.
108. Phasianella (Orthomesus) modesta Gld. See plate VI, figs. 29, 30. Each 50c.
109. Phasianella modesta gouldii (new variety) Pilsbr. See plate VI, fig. 31. Each 50c.
DELPHINULIDAE.
111. Delphinula atrata Rve. Each $1.00.
TROCHIDAE.
113. Monodonta labio Lin. Each 6c, 6 for 25c.
114. Monodonta neritoides Phil. Each 10c, 3 for 25c.
116. Chlorostoma turbinatum A. Ad. See plate VI, figs 9, 10. Each 15c, 2 for 25c.
118. Chlorostoma pfeiffert Phil. Each 40c.
119. Cantharidus (Thalotia) japonicus A. Ad. Each 10c, 4 for 25c.
120. Gibbula euco-sima Pilsbr. (new species) see plate VIII, fig. 4. Each 50c.
121. Gibbula (Cantharidella) callichroa Phil. Each 25c, 3 for 50c.
123. Calliostoma unicum Dkr. Each 15c, 3 for 25c.
124. Euchelus japonicus A. Ad. Each 6c, 5 for 25c.
125. Euchelus bronnii Dkr. Each 6c, 5 for 25c.
126. Euchelus pampa-creulisc Lischke. Each 6c, 5 for 25c.
127. Euchelus ruber A. Ad. Each 6c, 5 for 25c.
128. Umbonium giganteum Less. Ten color varieties. Common var. each 10c, 4 for 25c.
129. Umbonium costatum Less. Rare var. Each 25c each.
101. Umbonium costatum var. superbum Gould, no less than 21 color varieties. Com. var. 5c, 6 for 25c. Rare var. 25c each.
102. Umbonium moniliferum Lam. 3 color var. Each 10c, suit for 25c.

**CYCLOSTREMATIDAE.**


**STOMATELLIDAE.**

104. Stomatella articulata A. Ad. Each 20c, 3 for 50c.
104. Stomatia rubra Lam. (3 only). Each 25c.
104. Stomatia phymotis Helbling (Loo Choo Is.) Each 25c.

**HALIOTIDAE.**

106. Haliotis gigantea, Pearls from. Each 35 to 50c.
106. Haliotis diversicolor var. exigua Dkr. Each 25 to 35c.
106. Haliotis diversicolor var. gruneri Phil. Each 25 to 35c.
106. Haliotis (Telnottis) asinina Lin. Each 10 to 25c.

**FISSURELLIDAE.**

107. Macroschisma sinensis A. Ad. 4 only see plate VI, figs. 6, 7, 8. Each 80c.
108. Macroschisma Lischkei Pilsbry (new species) see plate VI, figs. 1, 2, 3, 4, 5. Each 50c.

**ACMEIDAE.**

111. Acmaea heroldi Dkr. (see plate VI, figs. 13, 14, 15, 16, 17, 18). Each 10c, 5 for 25c.
111. Acmaea conulus Dkr. Each 20c, 3 for 50c.

**PATELLIDAE.**

112. Helcionicus nigrisquamatus Rve. (see plate VII, figs. 1, 2) 2 vars. Each 15 to 30c.
112. Helcioniscus nigrisquamatus var. boninensis Pilsbry (see plate VII, fig. 3. Each 50c.
112. Helcioniscus eucosimus Pilsbry (new species) see plate VII, figs. 7, 8, 9, 10. Each 25c.

**CHITONIDAE.**

115. Liolophura japonica var. tesselata Pilsbry. Each 20c.

**DENTALIIDAE.**

115. Dentalium vernedel Hanley (1 only). Each $5.00.

**PHOLADIDAE.**

116. Pholas (Barnea) manilensis Phil. Each 15c, 2 for 25c.

**CORBULIDAE.**

117. Corbula erythrodon Lam. Each 10c, 3 for 25c.

**MYACIDAE.**

118. Mya arenaria var. japonica Jay. Each 10 for 25c.

**MACTRIDAE.**

118. Macra sulcata Rve. Each 18 to 30c.
119. Macra veneriformis Desh. Each 10 to 20c.
119. Macra sachalinensis Schrenck. Each 25c, 3 for 50c.
119. Macra spec.? Each 25c, 3 for 50c.
119. Raeta yokohamensis (new species) see plate III. figs. 4, 5. Each 50c.
120. Tresus nuttallii Conrad. Each 30c.

**SOLONIDAE.**

120. Solen grandis Dkr. (4 only). Each 75c.
120. Solen gouldii Conrad. Each 5 to 15c.
120. Solen krusensternii Schrenck (4 only). Each 1.00.
121. Siliqua (Machera) pulchella Dkr. Each 10c, 4 for 25c.
121. Solecurtus (Macha) diversicar Lischke. Each 25c.

**DONACIDAE.**

121. Donax australis Lam. (6 only). Each 30c.
121. Donax semigranosus Dkr. Each 15c, 2 for 25c.
122. Donax proximus Bertin (5 only). Each 35c.

**PSAMMORHIDAE.**

122. Soletellina boeddinghausi Lischke (3 only). Each 50c.
122. Psammobia elongata var. japonica Stearns. Each 25c.

**TELLINIDAE.**


**PETRICOLIDAE.**


**VENERIDAE.**

125. Dosinia bilunulata Gray. Each 25 to 40c.
127. Meretrix lusoria Chemn. 6 color vars. Common vars. 20c, 3 for 50c. Rare vars. 30c each.
127. Meretrix (Callista) chinensis. Each 25c.
127. Sunetta excavata Hanley. Each 25c, 3 for 50c.
127. Venus jedensis Lischke (5 only). Each 60c.
129. Venerupis (Rupellaria) rurus Lin. Each 15c.
129. Tapes euglyptus Phil. Each 50c.
129. Tapes schnellianus Dkr. Each 20c, 2 for 50c.
129. Tapes amabilis Phil. color vars. A. and B. Each 25 to 40c.
129. Tapes semirugata Phil. Each 30c, 2 for 50c.
129. Tapes philippinarum Ads. & Rve. (9 color varieties). Each 6c, 3 for 40c.
130. Saxidomus purpuratus Dsc. Each 25c, 3 for 50c.
130. Gomphina melanogis Roemer. 10 color vars. Each 30c, suit for $2.00.

CARDIDAE.

131. Cardium muticum Rve. Each 25c, 3 for 60c.

DIPLODONTIDAE.

132. Diplodonta (7 semiaspera var.) Japonica Pilsky (new species) see plate III., figs. 6, 7 (4 only). Each 75c.

LUCINIDAE.

133. Lucina pisidium Dkr. Each 25c.
133. Lloripes philippiana Rve. Each 25c.

PLEUROPHORIDAE.

135. Trapezium liratum Rve. Each 50c.

LYONSIIDAE.

137. Entodesma truncatissima Pilsky (new species) see plate III., figs. 11, 12. Each $1.00.

ANATINIDAE.

138. Anatina japonica Lischke. Each 25c, 4 for 50c.

MYTILIDAE.

139. Mytilus crassitesta Lischke. Each 25c.
139. Mytilus hirsutus Lam. Each 15 to 25c.
139. Mytilus atratus Lischke. Each 10c, 3 for 25c.
139. Mytilus Dunkerl. Each 40c.
139. Modiola philippinarum Hanley. Each 15 to 30c.
139. Modiola trulllif Rve. Each 15c, 2 for 25c.
140. Modiola senhausi Rve. Each 10c, 5 for 25c.
140. Lithophaga (Lithodomus) curta Lischke. Each 20c, 2 for 30c.

ANOMIIDAE.

142. Anomia cyatheum Gray. Each 10c, 5 for 25c.
142. Anomia eeyros Gray. Each 10c, 5 for 25c.

SPONDYLIDAE.

143. Spondylus cruentus Lischke. Each 75c.

PECTENIDAE.

144. Peектen laetus Gould. Var. A—Crimson to orange (col. var.)
B—Royal purple varying to brown.
C—Pure dead white. Each 15c, suits of 6 for 50c.
144. Peектen yessoensis Jay. Each 50c.
145. Amusium japonicum Gmel. Each 20 to 60c.

OSTRAEIDAE.

146. Ostraea denselamellosa Lischke. Each 15 to 30c.
146. Ostraea plicata Chem. Each 20c.
146. Ostraea cuscullata Born. 6 vars. Suits of 6 75c.

PTERIDAE (Aviculidae).

147. Meleagrina martensi Dkr. Each 50c to $1.00.
147. Meleagrina japonica Dkr. Each 50c.
147. Meleagrina Japonica, Pearls from. Each 50c to $1.00.

PINNIDAE.


ARCIDAE.

148. Arca kraussii Phil. Each 25c, 3 for 50c.
149. Arca (Scapharca), satowi Dkr. (A. setosa). Each 25c, 3 for 50c.
149. Arca compacta Rve. Each 10c, 3 for 25c.
150. Pectunculus abollineatus Lischke. Each 25c, 2 for 40c.

LEDIDAE.

151. Ledo confusa Hanley (6 only). Each 25c.

BRACHIOPODA.

152. Terebratulina grossi Davidson (poor) Each $1.00.
153. Laqueus rubellus Shy. Each 15c, 3 for 30c.

LINGULIDAE.

154. Lingula anatina Brug. Each 10 to 15c.

HELICIDAE.

155. Helix (Euolota) similars, var. stimpsoni Pfr. Each 25c, 3 for 50c.
155. Helix (Euohadra) luhuana Shy. var. nimbus Crosse in 5 varieties.
Each to 20c, suit of 10 shells, 50c.
156. Helix (Euohadra) luhuana var. eosa Crosse. Each 25c.
156. Helix (Euohadra) luhuana var. brandti Kob. Each 25c.
156. Helix (Euohadra) luhuana var. nipponesis Kob. (H. pellomphala Pfr.) both plain and banded vars.
Each to 25c, suits of 4 35c.
156. Helix (Euohadra) luhuana var. Amaliae Kob. Each 50c.
156. Helix (Euhadra) quaesita Desh. Each 10 to 25c, suit for 50c.
156. Helix (Euhadra) quaesita var. perryi Jay. Each 5c.

PUPIDAE.
157. Clausilia (Phaedusa) eurystoma Mart. Each 10c, 4 for 25c.
157. Clausilia (Hemiphaedusa), playtau-chen. Each 5c, 10 for 25c. (Other species of Clausilia yet undetermined.)

SUCCINIDAE.
158. Succinea lauta Gld. Each 10c, 4 for 25c.

AURICULIDAE.

LIMNAEIDAE.
158. Limnaea japonica Jay. Each 5c, 8 for 25c.
158. Limnaea goodwini Smith (L. pervia) Each 6c, 6 for 25c.
158. Planorbis spirillus Gld. Each 6c, 6 for 25c.

OPERCULATA.
158. Pupinella rufa Sby. Each 10c.

VIVIPARIDAE (Paludina).
158. Vivipara stelamphora Bgt. var. mal-leata Rve. Each 15c.

158. Vivipara sclateri Fld. Each 15c.
158. Vivipara japonica Mart. Each 15c.
158. Vivipara ingalisiana Rve. Each 20c.

MELANIDAE.
158. Melania japonica Rve. Each 15c, 2 for 25c.
158. Melania libertina Gld. Each 10c, 5 for 25c.
158. Melania libertina var. ambidextra Mart. Each 10c, 5 for 25c.
158. Melania libertina var. tenusulcata Dkr. Each 5c, 10 for 25c.
158. Melania lobbeckel Hrot. Each 15c, 2 for 25c.

CYRENIDAE.
159. Corbicula orientalis Desh. Each 20c.
159. Corbicula japonica Prime. Each 15c, 3 for 30c.
159. Corbicula straminea Reinh. Each 10c, 4 for 25c.
159. Corbicula martensii Cless. (C. yokohamensis). Each 10c, 4 for 25c.
159. Corbicula fluminea Mill; (C. fusca ta S. H. W.) Each 10c, 4 for 25c.

UNIONIDAE.
186. Unio nipponensis Mart. Each 15 to 25c.
186. Dipsas plicatus Sol. Each 15 to 40c.
186. Dipsas reinianus Mart. Each 50c.
186. Anodonta japonica Mart. Each 15 to 25c.

CIRRIPEIDA.
List Copied from page 19 of my First List of Japanese Mollusca.

Scalpellum Stearnsii Pilsbry (see plate I, fig. 1, old catalogue). Each $1.00 to $1.50.
Balanus amphitrite Darwin. Each 15 to 25c.
Balanus tintinnabulum. Each 15 to 25c.
Pollicipes mitella Lin. Each 10c.
Tetraclita porosa Gmel. Each 15c.

MISCELLANEOUS SPECIES OF SHELLS OF WHICH I HAVE DUPLICATES, ALL OF MY OWN PERSONAL COLLECTION.

BAHAMAS.
I spent the winter of 1887-8 at Nassau, the capital of Bahama Islands, and while there made an excursion covering several weeks to the various sponge fishing banks around Andros Island, and to other islands in the vicinity. I collected nearly 200 species, of which I yet have the following in sufficient number to offer them in exchange.

AURICULIDAE.
9 xx Melampus sp.; loc. Mayport, Florida. Each 5c, 8 for 25c.

CASSIDIDAE.
110 x Cassis (s. s.) tuberosa, Lin.; well grown and finely marked. Each 75c to $1.50.
110B x Cassis flammea, Lin.; fine. Each 75c.
COLLECTED BY FREDERICK STEARNS.

10C x Cassis varians, Mke.; fine. Each 60c.
166 x Cassis cameo Stimps. Each 50c.
83 x Cassis (Cassidea) testicularis, Lin.; var. pelagica. Each 25c.

NOTE.—Large shells like these cannot be sent by mail.

CERITHIDAE.
28 xx Cerithium nigrescens, Mke. Each 5c, 10 for 15c.

CHITONIDAE.
92 x Acanthopleura granulata, Gmel. Each 15 to 20c.

COLUMBELLIDAE.
163 xx Columbella mercatoria, Lin.; very fine color varieties. Each 5c, 10 for 25c.

CYPRAEIDAE.
89 xx Cypraea (s. s.) exanthena, Lin.; various sizes; maculated and reticulated. Each 10 to 25c. - Cypraea cinerea (worm). Each 10c.

FASCIOLARIIDAE.
72 x Fascolaria tulipa, L.; various sizes. Each 25 to 60c.

HELICIDAE.
111 xx Helix (Helmitrochus) varians, Mke.; very finely banded. Lot B the same in alcohol with the animal; Lot C, ditto faded; Lot D, ditto bleached. Each 10c, 5 for 25c.

Helix (Plagiöptycha) dulciosiana Fer. Grantstown, Nassau. Each 25c, 2 for 30c.

112 x Helix (Thelidomus) provisoria, Ffr. (var.) Each 10c.

LITTORINIDAE.
10 x Littorina (Melaraphe) scabra L.; var. lineata, Gmel. (var. angulifera Lam. (a variety of fine colors and with opercula.) Each 10c, 3 for 25c.

16 x Littorina (Melaraphe) ziczac, Chemn., with opercula. Each 6c, 6 for 25c.

17 xx Tectarius dilatatus, D’Orb.; with opercula. Each 6c, 6 for 25c.

18 xx Tectarius muricatus, Lin.; with opercula. Each 6c, 6 for 25c.

MARGINELLIDAE.
43 xx Marginella (Cryptospira) flavida, Redfield; beautiful shells, bright glossy yellow. Each 5c, 8 for 25c.

71 xx Marginella (Glabella) opallina, Stearns. Each 5c, 6 for 25c. Marginella apicina (dead). Each 5c.

MURICIDAE.
12 xx Murex (Chicoreus) Salleanus A. Ad. (M. pudicolar, with opercula.) Each 25c, 4 for 50c.
13 xx Purpura (s. s.) patula, Lin.; fine, with opercula. Each 10 to 20c. Purpura deltoida, Lam. var. fasciata Rve. Each 15c.

NATICIDAE.
44B xx Natica (s. s.) marochiensis, Gmel.; var. livida Phil.; in alcohol, with animal and opercula. Each 10c, 4 for 25c.

NERITIDAE.
19 xx Nerita (Peloronta) peloronta, Lin.; fine and large, with opercula. Each 10c, 4 for 25c.
20 xx Nerita Listleri Recluz; (var.) fine, with opercula. Each 10c.
21 xx Nerita (Peloronta) tessellata, Gmel.; with opercula. Each 5c, 6 for 25c.
21B xx Nerita (Peloronta) versicolor, Lam.; with opercula. Each 5c, 8 for 25c.

39 xx Neritina virginia, L.; very fine; requires many specimens to exhaust the varieties of markings. Each 25 for 25c.
158 xx Neritina pupa, Linn.; a very beautiful shell. Each 5c, 10 for 25c. Neritina mertoniana (N. picta). Each 5c, 8 for 25c.

OLIVIDAE.
7 x Oliva (Strephona) fusiformis, Lam.; only fair. Each 10c.
7B x Oliva (Strephona) fusiformis, a tesselate variety, Lam. Each 15c.
7D x Oliva (Strephona) fusiformis, Lam.; yellowish and white variety, fine. Each 15c. Oliva bicipitata, Sowb. (these are from Alaska). Each 5c. Olivella oryza Lam. 50 for 10c.

PUPIDAE.
23 x Strophila marmorata, Pfr. Each 10c, 3 for 25c.
26 Strophila glans, Kuster. Each 10c, 5 for 25c.

STROMBIDAE.
86 x Strombus gigas, L.; with opercula. Each 50c.
86B x Strombus gigas, L.; opercula only. Each 10c.
85 xx Strombus gigas; young; several stages of growth; quite unlike the adult shell and in good colors. Each 5c.
50 x Strombus costatus, Gmel. Each 75c.
84 xx Strombus bituberculatus, Lam. Each 25c.

TEREBRIDAE.
35 x Terebra (Myurella) dislocata, Say; color varieties. Each 10c.

TROCHIDAE.
22 xx Trochus (Livona) pica L.; with opercula various ages.

VERMETIDAE.
<table>
<thead>
<tr>
<th>CARDIDAE.</th>
<th>AVICULIDAE.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Laevicardium serratum.</td>
<td>25 xx Perna (Isognomon) ephippium, Lin.</td>
</tr>
<tr>
<td></td>
<td>Each 25c.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>LUCIDINAE.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>31 x Lucina Pennsylvanica, Lin.</td>
<td></td>
</tr>
<tr>
<td>6 xx Lucina (Codakia) tigrina, Desh.; several stages of growth, the inner lip and hinge being tinged either with pink, yellow or purple, forming three color varieties. Each 20c, 2 for 30c.</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>PHILIPPINE ISLANDS.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cochlostyla daphnis Brod.</td>
<td>Each 50c.</td>
</tr>
<tr>
<td>Cochlostyla fulgetum Sby. (C. Pfeiffer Brod.)</td>
<td></td>
</tr>
<tr>
<td>Cochlostyla woodiana (varieties) Lam.</td>
<td>Each 75c.</td>
</tr>
<tr>
<td>Cochlostyla Intorta Sby.</td>
<td>Each 75c.</td>
</tr>
<tr>
<td>Cochlostyla palawanensis Fer.</td>
<td>Each 75c.</td>
</tr>
<tr>
<td>Cochlostyla rolssiana Fer.</td>
<td>Each 25c.</td>
</tr>
<tr>
<td>Cochlostyla lignaria Pfr.</td>
<td>Each 60c.</td>
</tr>
<tr>
<td>Cochlostyla pithogaster Fer.</td>
<td>Each 50c.</td>
</tr>
<tr>
<td>Helix (Camaena), palawanica Sh.</td>
<td>Each 50c.</td>
</tr>
<tr>
<td>Nanina (Rhysota) lamarcckiana Lin.</td>
<td>Each 25c.</td>
</tr>
<tr>
<td>Nanina (Rhysota) lamarcckiana var. caducor Rve.</td>
<td>Each 25c.</td>
</tr>
<tr>
<td>Nanina Mullerli Pfr.</td>
<td>Each 25 to 50c.</td>
</tr>
<tr>
<td>Helix (Obba) rota Brod.</td>
<td>Each 25c.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CALIFORNIA AND ALASKA.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Bulla nebulosa fine and large living.</td>
<td>Each 25c.</td>
</tr>
<tr>
<td>Halilios cracherodii (polished),</td>
<td>Each $1.50.</td>
</tr>
<tr>
<td>Halilios splendens (polished).</td>
<td>Each $1.50.</td>
</tr>
<tr>
<td>Natica Lewisii Oregon.</td>
<td>Each 50c.</td>
</tr>
<tr>
<td>Chorus Belcheri Cal.</td>
<td>Each $1.00.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>FLORIDA, ETC.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Cardum magnum, Florida.</td>
<td>Each 15c.</td>
</tr>
<tr>
<td>Cerithidea scalariformis, Fl.</td>
<td>10 for 25c.</td>
</tr>
<tr>
<td>Helix (Polygyra) appressa (Savannah, Ga.) introduced.</td>
<td>Each 10c, 6 for 25c.</td>
</tr>
<tr>
<td>Helix (Patula) strigosa, Utah.</td>
<td>Each 10c, 4 for 25c.</td>
</tr>
<tr>
<td>Nassa obsoleta, Fl.</td>
<td>Each 10c.</td>
</tr>
<tr>
<td>Litorina irrornata Say, Fl.</td>
<td>Each 10c.</td>
</tr>
<tr>
<td>Murex pomum, Fl.</td>
<td>Each 25c.</td>
</tr>
<tr>
<td>Modiola plicatula, Fl.</td>
<td>Each 15c.</td>
</tr>
<tr>
<td>Purpura haemastoma, Fl.</td>
<td>Each 15c.</td>
</tr>
<tr>
<td>Strombus pugilus, Fl.</td>
<td>Each 25c.</td>
</tr>
<tr>
<td>Venus (Mercenaria) listeri.</td>
<td>Each 25c.</td>
</tr>
<tr>
<td>Venus (Mercenaria) violacea, Fl.</td>
<td>Each 15c.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>CHINA.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Placuna spec.? polished odd valves.</td>
<td>Each 25c.</td>
</tr>
<tr>
<td>Eburna lutosa Lam. Hong Kong.</td>
<td>Each 10c, 5 for 25c.</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>SOUTH SEAS, ETC.</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Conus virgo polished, South Sea Islands.</td>
<td>Each 40c.</td>
</tr>
<tr>
<td>Littorina sp.? Ceylon. Each 5c, 10 for 25c.</td>
<td></td>
</tr>
<tr>
<td>Ostraea sp? (or Chama sp?) specimens found floating on pumice stone, in Indian Ocean, five years after the eruption of Krakatoa.</td>
<td></td>
</tr>
<tr>
<td>Murex ramosus Lin. large cleaned Ind. Ocean.</td>
<td>Each $1.00.</td>
</tr>
<tr>
<td>Umbonium vestiariun L. (elegans) Ceylon.</td>
<td>Each 5c, 10 for 25c.</td>
</tr>
<tr>
<td>Gibbula adansoni, Mediterranean.</td>
<td>15 for 10c.</td>
</tr>
<tr>
<td>Murex brandaris, Algiers.</td>
<td>Each 15c.</td>
</tr>
</tbody>
</table>
**UNIONIDAE SPECIES. UNITED STATES—VARIOUS LOCALITIES.**

<table>
<thead>
<tr>
<th>UNIO.</th>
<th></th>
<th>MARAGITAN.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Trapezoides Lea.</td>
<td>Each 15c.</td>
<td></td>
</tr>
<tr>
<td>Undulatus Bar.</td>
<td>Each 20c.</td>
<td></td>
</tr>
<tr>
<td>Ahnuen Lea.</td>
<td>Each 10c.</td>
<td></td>
</tr>
<tr>
<td>Batavus (Europe).</td>
<td>Each 10c.</td>
<td></td>
</tr>
<tr>
<td>Buckleyi Lea.</td>
<td>Each 25c.</td>
<td></td>
</tr>
<tr>
<td>Ebenus Lea.</td>
<td>Each 10c.</td>
<td></td>
</tr>
<tr>
<td>Fusciatus Lea.</td>
<td>Each 10c.</td>
<td></td>
</tr>
<tr>
<td>Lectionis Lin.</td>
<td>Each 10c.</td>
<td></td>
</tr>
<tr>
<td>Nasutus Say.</td>
<td>Each 10c.</td>
<td></td>
</tr>
<tr>
<td>Purpuratus Lam.</td>
<td>Each 10c.</td>
<td></td>
</tr>
<tr>
<td>Savannahensis Lea, Ga.</td>
<td>Each 10c.</td>
<td></td>
</tr>
<tr>
<td>Tempelius Lea.</td>
<td>Each 15c.</td>
<td></td>
</tr>
</tbody>
</table>

| NOTE.—For duplicates of Loo Choo Islands Shells (pages 180 to 185 inclusive of the New Catalogue of Japanese Marine Mollusca) see Special Printed List, which is sent with this or on application, and which also includes a list of many duplicate shells from Hawaiian Islands, Samoa, and other localities in the South Seas. |

**BARBADOES, BRITISH WEST INDIES.**

List of Duplicates of Shells from 175 Species personally collected there in Winter and Spring of 1896.

Fissurella (Cremides) barbadensis Gmel. | Each 10c., 5 for 25c. |
Fissurella (Cremides) barbadensis var. | Each 12c., 3 for 25c. |
Fissurella (Glyphis) alternata Say. | Each 8c., 5 for 25c. |
Fissurella (Glyphis) listeri Orb. | Each 15c. |
Fissurella (Cremides) nodosa Born. | Each 20c. |
Emarginula (Submarginula) octoradiata Ad. | Each 10c., 5 for 25c. |
Patella (Acmaea) cubensis Rve. | Each 10c., 4 for 25c. |
Patella (Helcioniscus) punctulata Gmel. | Each 10c., 4 for 25c. |
Patella (Helcioniscus) canadenis Orb. | Each 15c. |
Pileopsis (Capillus) intortus Lam. | Each 20c. |
Hipponyx antiquatus Lin. | Each 6c. |
Tectarius nodulosus Lam. | Each 5c., 10 for 25c. |
Tectarius muricatus Lin. | Each 10c., 5 for 25c. |
Littorina (Meralaphe) ziczae Ch. var. lineata | Each 5c., 10 for 25c. |
Orb. | Each 5c., 10 for 25c. |
Trichia pedulus Lin. | Each 5c., 10 for 25c. |
Trichia fusca Gray. | Each 8c., 5 for 25c. |
Trichia tripunctata Gray. | Each 8c., 4 for 25c. |
Trichia nivea Gray. | Each 10c., 10 for 25c. |
Ovula (Cyphoma) gibbosa Lin. | Each 30c. |
Olivella jaspidea | Each 5c., 8 for 25c. |
Terebra (Hastula) cinerea Born. var. Jamaicensis C. B. Ad. (fine) | Each 10c., 3 for 25c. |
Terebra (Subula) hastata Gmel. | Each 5c., 5 for 25c. |
Terebra (Euryta) aciculata Lam. | Each 10c., 4 for 25c. |
Columbella (Titidella) nitida Lam. | Each 5c., 6 for 25c. |
Columbella (Nitidella) laevigata Lin. color. | Each 5c., 6 for 25c. |
Columbella (Pygmaea) mercatoria Lin. Some remarkably large and fine specimens; color. var. | Each 10c.; ordinary form 15 for 25c. |
Cassis (Cassidea) testicularis Lin. (very fine). | Each 25c. |
Cassis (Cassidea) testicularis Lin. (very fine). | Each 25c. |
Planaxis pedicularis Lin. var. lineata. | Each 10c., 5 for 25c. |
DaCost. Some large, pale. | Each 15c. |
Some smaller, dark var. | Each 10c., 10 for 25c. |
Pisania puio L. (fair only). | Each 20c. |
Pollia (Trionitidia) coromandeliana Lin. (only fair). | Each 40c. |
Nerita (Peloronta) tessellata Gmel. | Each 20c. |
Nerita (Peloronta) versicolor Gmel. | Each 6c. |
Neritina (Vita) viridis L. | Each 20c. |
Phasianella (Tricola) tessellata C. B. Ad. | Each 20c. |
Astraulium (Pachycoma) tuber Lin. living with operc. | Each 10c., 5 for 25c. |
Same, bench-borne, but fine. | 2 for 25c. |
Pyramidella (Obelus) dodebratius Lin. | Each 5c. |
Some fine, varieties. | Each 10c., 3 for 25c. |
Marginella (Persicula) catenata Mot. | Each 15c. |
Marginella (Volvaria) avena Val. | Each 10c. |
Mitra (Schreibia) granulosa Lin. Young and mature, fair. | Each 10 to 25c. |
Mitra barbadensis Gmel. (only fair). | Each 10 to 25c. |
Voluta (Lyra) muscific Lin. Fine living shells, in three well marked color varieties. | Each 10c., 3 for 50c. |
(Barbadoes seems to be a metropolis for this species.) Chlorostoma (Omphalus) fasciatus Born. fair. to good. | Each 5 to 10c. |
Bulla occidentalis A. Ad. Fine to fair. | Each 5 to 10c. |
Young shells, fine. | Each 25c. |
Cerithium ferrugineum Say. var. versicolor. | Each 10c. |

Also, a few other species not yet determined.
FREDERICK STEARNS'

LIST OF DUPLICATES OF

Marine, Land, and F. W. Shells

COLLECTED PERSONALLY IN THE

LOO CHOO ISLANDS, HAWAIIAN ISLANDS, ETC.

1894
LOO CHO0 ISLAND SHELLS.

The Loo Choo Islands (Lew Chew, Liu Kiu, or Riu Kiu) include the whole series extending in a northeast and southeast direction from Japan proper to the Island of Formosa. Within the northern group lies the intersection of 130° east longitude and 30° north latitude, and in the southern group that of 125° east longitude and 25° north latitude. At the present time they belong to the Japanese Empire.

In the summer of 1891, I sent Morizo Seto, my Japanese collector, to those islands, where he remained collecting for nearly a year. The results of the trip were somewhat disappointing as to new species, inasmuch as the Loo Choo species belong more to the better known Indo-Pacific fauna than they do to the fauna of the Japanese seas.

A detailed list of the 367 species found forms an appendix to the new and complete catalogue of Japanese marine shells published by me, 1894.

In the following are those species of which I have sufficient duplicates to offer correspondents in exchange, or which are for sale for cash at the affixed prices each. Of quite a number on this list I have perhaps less than a dozen specimens each, and with these it will be, of course, first come, first served. Of the rest, specimens are more numerous.

Persons receiving this list and desiring to exchange, will send me a list of what they have to offer, which must be specimens in good condition, living shells, and preferably in all cases, such as have been collected by the person desiring to exchange.

Postage or express charges to be paid by the sender, except for heavy and low-priced shells, or unless otherwise arranged for.

As I am absent from home much of the time on long extended tours of travel, correspondence directed as per address below will be forwarded to me if absent, but at such times the delay in arranging exchanges will be considerable.

Address,

FREDERICK STEARNS (Personal),
371 Lafayette Avenue,
DETROIT, MICH., U. S. A.

MURIDÆ.

Murex (Chicoreus) brevifrons, Lam.; from Yaeyama Is.; various stages of growth. Nat. name, Yako-gai. 50 to 75c.

Purpura (Thalesa) hippocastaneum, Lin.; var. Sulcata; Desh.; Hirame Jima Is. Nat. name, Naga-bai. 15c., 3 for 25c.

Purpura (Thalesa) armigera, Chem.; Yaeyama Is. Nat. name, Konpeto-gai, meaning sweet-meat. 15c., 3 for 25c.

Ricinula (s. s.) histrix, Lam.; Yaeyama Is. Two vars., one with pink aperture and one with darker. 30 to 40c.

Ricinula (s. s.) horrida, Lam.; Yaeyama Is. Nat. name, Ushi-no-guchi, momo. (bull's mouth shell). Two vars., one with light pink aperture, the other with dark purple aperture. 25c.

TRITONIDÆ.

Triton (Lampas) buffonia, Gml. var.; Yaeyama Is. 50c. to $1.

Triton (Lampas) lampas, Lin.; Yaeyama Is. Typical (one lot) and one lot lighter colored aperture, full grown. 50c. to $1.

Triton (Simpulum) pilearis, Lin.; var. Yaeyama Is. 20 to 30c.

Triton (s. s.) tritonis, Lin.=T. variegatus, Lin.; Yaeyama Is. Very fine living shells, small, medium, and full grown. 50c. to $2.50.
FUSIDÆ.
Fussus (s. s.) distans, Lam.; a var. of F. inconstans, Lischke; Yaeyama Is. 50 to 75c.
Fussus (s. s.) inconstans, Lischke; Yaeyama Is. Nat. name, Yanaki-momo (night-crying shell). 60 to 75c.
Fussus (s. s.) nicobarcus, Lam.; var. near F. latiocostatus, Desh.; Hirame Is. 65c.
Fasciolaria filamentosâ, Lam.; Itoma Jima Is. Nat. name, Yanaaki-gai (night-crying shell). With and without opercula. 25 to 50c.
Fasciolaria trapezium, Lam.; Hirame Is. With and without opercula. 25 to 50c.

BUCCINIDÆ.
Siphonalia Kelletti, Forbes; Nago Is. $1.
Siphonalia cassidiformis; Rve.-S. ornata and S. conspersa, A. ad.; Yaeyama Is. 75c.

NASSIDÆ.
Nassa (s. s.) hirta, Klener; var., Yaeyama Is. Dead shells, but good. 6 for 25c.

OLIVIDÆ.
Oliva (Porphyrea) musstellina, Lam.; Yaeyama Is. Fine living shells, slight color variations. 100c, 3 for 25c.

TURBINELLIDÆ.
Turbinella (Vasum) eremicum, Lin.; Hirame Is. Nat. name, Naga-bai (long shell). 50c.
Turbinella (Vasum) turbinellum, Lin.; Hirame Jima Is. 50c.

MITRIDÆ.
Mitra (s. s.) episcopalis, Lin.; Yaeyama Is. Nat. name, Takanokoko-kai (bamboo-sprout shell). Fine living shells, various stages growth. 20 to 50c.
Mitra (costellaria) exasperata, Gm. and Chem.; Yaeyama Is. Fine living shells. 15 to 25c.
Mitra (cylindra) dactylus, Lin.; Kudaka Is. Nat. name, Hibi-bora. Fine living shells. 60c.
Mitra (s. s.) pontificalis, Lam.; Yaeyama Is. Fine living shells. 25 to 50c.

CASSIDÆ.
Cassis (Besoartica) gula, Lam.; var. near C. Coronulata; Sby.; except that it is continuously banded; Nago Is. Fine living shells. 8$.
Cassis (Casmaria) vibex, Lin.-C. torquata Reeve; Yaeyama Is. Living shells. 25c.

DOLIDÆ.
Dolium (Maea) pomum, Lin.; Yaeyama Is. Young shells, 1 in. to 1½ in. long. Nat. name, Ki-gai (interest shell). 10c.

NATICIDÆ.
Natica (s. s.) Adamsiana, Dkr.; var.; Yaeyama Is. Larger and unlike in color the type Fig. 46, in Tryon’s Manual. With and without opercula. Some only fair dead shells. 15 to 40c.
Natica (Mamillata) aurantia, Lam.; light yellow variety. The callus and umbilicus like Fig. 46, Tryon’s Manual. Size, 23 mm. x 22 mm., with opercula. A beautiful and distinct variety. 50c, 3 for 50c.

Natica (s. s.) chinensis, Lam.; Yaeyama Is. Mostly young. 10c, 3 for 25c.
Natica (Mamma) dubia, Recl., (var.); Kobashima Is.; M. & L. Fig. 40, Tryon’s Manual. Living shells, various growths, without opercula. 20 to 25c.
Natica (Mamilla) melanostoma, Gm.; Yona-guni Is. Living shells, the largest 45 mm. x 33 mm. 20 to 25c.
Natica (s. s.) sagraiana; D’Orb. (var.); Yaeyama Is. 25c.

TEREBRIDÆ.
Terebra (Subula) crenulata, Lin.; Kudaka Is.; fine living shells. Nat. name, Ono-tsunao, bora (big rope shell). 25 to 40c.
Terebra (Subula) dimidiata, Lin.; Kudaka Is.; fine living shells. 15 to 25c.
Terebra (Subula) maculate, Lin.; Yaeyama Is. Nat. name, same as for the Mitrus; living shells; different lengths. 20 to 25c.
Terebra (Subula) muscaria, Lam.; Hirame Jima Is.; fine living shells. Nat. name, Usni-no-tsunao, bora (bull’s horn shell). 20 to 25c.

PYRAMIDELLIDÆ.
Pyramidella (obeliscus) sulcata; A. Ad.-O monolit; Ad.; Yaeyama Is.; live shells. 12 to 25c.

CONIDÆ.
Conus (tulipe) geographus, Lin.; a new and fine variety; neither of the three figures in Tryon’s Manual, respectively. They are more like Fig. 85, but not so dark, while the spire is higher than Fig. 84; length from 8 cm. to 11 cm.; living shells; Kobashima, Nat. name, Naga-bai (long shell). 50 to 75c.
Conus (literati) literatus, Lin.; Kobashima, Living with epidermis; largest, 13 cm. long. 25 to 50c.
Conus (literati) literatus, Lin.; var. Millepunctatus, Lam.; living, mostly mature; largest, 88 mm long, with epidermis. 25 to 8$.
Conus (virginis) lividus, Hwass. Living, with epidermis; the largest 54 mm. long; Oshima. 20 to 25c.
Conus (s. s.) marmoreus, Lin. Nat. name, Bote-furi, bora; Ohonme Is. Living, medium and small; largest, 6 cm. long. 10 to 30c.
Conus (Capitanei) miles, Lin.; Kobashima, Living, with epidermis. Largest, 7 cm. long. Nat. name, Imo-gai (sweet potato shell). 20 to 40c.
Conus (figulin) quercinus, Hwass.; var. lighter yellow that the type, spire not quite so elevated. Living shells, 8 cm. and less. Nat. name, Hibi-bora; Kudaka Is. 50c.
Conus (textil) textile, Lin. Living, largest 10 cm. Kobashima. 25 to 75c.
Conus (Capitanei) vexillum, Gm.; Itoma Jima Is.; Living, with epidermis. The largest 5½ in. long. 25 to 75c.

STROMBIDÆ.
Strombus (monodactylus) araturam, Martyn; Itoma Jima. Living. Nat. name, Asagikai. 50c.
Strombus (monodactylus) auris-dianas, Lin.; var. guttatus, Martini; Itoma Jima. Living shells. 25c.
Strombus (s. s.) canarium, Lin.; Kobashima. Living shells, with several varietal markings. 10c, 3 for 25c.
Collected by Frederick Stearns.

Strombus (Euprotomus) lentigenosus, Lin.; Yaeyama Is. Living. Nat. name, Ushi-no-momo (bull's nose shell).

18 to 30c.

Strombus (monadactylus) pacificus, Sby.; A notable and undescribed variety, with shorter spire than the type; lip radiately ridged at posterior end only; white between the ridges and the shell more transparent. 5c.


Pterocera (s. s.) bryonia, Gml.; Katsuren Jima Is. Nat. name, Nanatsu-maimai (seven-horned shell); Japanese name is Kumo-gai (spider web shell). 75c to $1.25.

Pterocera (s. s.) lambis, Lin.; Katsuren-Jima. Living shells, adult, medium and small; one variety of which has brilliant dark chocolate cloudings on the back; also a lot of young half grown, in which the last whorl with horns has not been developed.

Pterocera (s. s.) rugosa, Sby.; Katsuren-Jima. Living shells, adult and young; in some the pink of the aperture is much darker than in others. 15 to 30c.

Cypraeidae.

Cypraea (aricia) annulus, Lin.; Kudaka. Fine living shells. 10c. to 50c.

Cypraea (aricia) Arabica, Lin.; Kudaka. Fine living shells; typical. 10 to 25c.

Cypraea (aricia) caput anguis, Phil.; Kudaka. Living. 25c.

Cypraea (aricia) caput serpentis, Lin.; Kudaka. Living shells, different markings. 6c. to 10 for 50c.

Cypraea (s. s.) carneola, Lin.; Kudaka. Living. 10 to 25c.

Cypraea (luponia) erronea, Lin.; Kudaka. Living. 6 to 12c.

Cypraea (s. s.) isabella, Lin.; Kudaka. Living. 8 to 12c.

Cypraea (luponia) lynx, Lin.; Kudaka. Living. 10 to 15c.

Cypraea (aricia) moneta, Lin. Beautiful deep lemon variety; living; Kudaka. 50c. to 10 for 50c.

Cypraea (aricia) moneta, Lin.; Fig. 40, Tryon's Man. Light yellow. 3 transverse dark bands. Fine live shells. Kudaka. 5c. to 10 for 40c.

Cypraea (aricia) mauritiana, Lin.; Kudaka. Mature, fine living shells, with 3 varietal markings. 25 to 50c.

Cypraea (s. s.) talpa, Lin.; Kudaka. Length, 72 mm. and smaller. Living. 15 to 30c.

Cypraea (luponia) tigris, Lin.; Itoma Jima. Nat. name, Hibi bora. Jap. name, Neko-gai (cat shell). I obtained a number of fine living tiger cowries, which I have separated into no less than fifteen well marked color varieties. They vary from very light cream body color, sparingly blotched with brownish-black spots, to others which are clouded with velvety-brown, like precious tortoise shell. Among them are some of immature growth. The whole of this series is incomparably finer in lustre and polish over those imported in bulk, which are generally much coarser. 75c.

Cypraea (luponia) vitellus, Lin. Living, with varietal markings. Kudaka. 10c. to 25c.

Ovula (s. s.) ovum, Lin.; Hirame Jima. Living. 40c.

Cerithidae.

Cerithium (s. s.) echinatum, Lam.; var. mutatum; Sby.; Kudaka Is. Nat. name, Chiubora. Mature and living shells. 25c.

Cerithium (s. s.) nodulatum, Brug.; Kobashi-ma Is. Living shells. The largest species of the family. 25c.

Cerithium (s. s.) tuberculatum, Lin.; var.; Yaeyama Is. Mature and living.

Cerithium (vertagus) vertagus, Lin.; Katsu-ren Jima Is. Nat. name, Shiroji-tsu-tan-bora. One lot white var., Fig. 60, Tryon Man., and one lot chestnut-colored, Fig. 70; all fine and living shells. 15 to 25c.

Littorinidae.

Littorina (s. s.) littoralis, Lin.; Yaeyama Is. Living. 15c.

Littorina (mellarapha) ziczac, Chem.; var. Living. Yaeyama Is. 6 to 10c.

Tectarius bullatus, Mart.; var. Yaeyama Is. With opercula, living shells, like Fig. 58, Tryon's Manual, except that this has a rather deep umbilicus. 15c.

Neritidae.

Nerita (s. s.) abicilla, Lin.; Yaeyama Is. Several color varieties, with opercula. 10c. to 3 for 25c.

Nerita (odontostoma) picea, Recl.; Yaeyama Is. All living shells. 50c. to 10 for 25c.

Nerita (odontostoma) polita, Lin.; Yaeyama Is. Nat. name, Tsume-gai (nail shell). Fine living shells, with many color varieties, one the largest and most beautiful of the Nerita types. 50c. to 10 for 25c.

Nerita (Clithon) Sowerbyana, Recl.; Yaeyama Is. Living, with opercula. 25c.

Turbinidae.

Turbo (Senectus) argyrostomus, Lin.; Katsu-ren Jima Is.; var. without elevated vaulted scales on the live. Live shells, with and without opercula, also another lot from Kudaka Is., similar but smaller, with and without opercula. 15 to 25c.

Turbo (bullatus) cornutus, Gml.; Kudaka Is. One lot living shells, same as the type, some with opercula; another lot, a variety with but one row of tubercles instead of two, in the type, with opercula. 40c. to $1.

Turbo (Marmoristoma) coronatus, Gml.; var. granulatus, Gml.; Yaeyama Is. With opercula living; two varieties, one similar to the figure in Tryon's Manual, but most of them more nodulated. 15 to 25c.

Turbo (s. s.) marmoratus, Lin.; Yaeyama Is. Very large, mature shells, with opercula. Nat. name, Yako-gai.

Turbo (s. s.) petholatus, Lin.; Yona-guni Is., which gives its native name to the shell; color vars., with and without opercula; outer lip slightly nicked. 25 to 50c.

Trochidae.

Astralium (bolma) modestum, Rve.; Yaeyama Is. Nat. name, Ishi-ni-tsui (stone adhering shell). 75c.

Trochus (delphinula) lacintata, Lam.; Nago Is.; without opercula. Nat. name, Fusa-kabe, bora. Rare and full-grown living shells. 40c. to $1.

Trochus (lamprostoma) maculatus, Lin.; var. without opercula; Ohon-me Is. Nat. name, Take-gira. 75c.

Trochus (s. s.) niloticus, Lin.; with opercula. Living shells, with Kudaka Is. 50c.

Trochus (lamprostoma) tubiferus, Kirner; Yona-guna Is. Live shells, without opercula. 10c.

Umbonium (Rotella) gigantea, Less.; Yaeyama Is. Six color vars., C, D, E, F, H, as described in the first catalogue of Japanese shells, p. 27. Also a lot (K) not found hitherto, pinkish, with brown blotches and clouds. 10c., to 15 for 75c.
Umbonium (Rotella) superbum, Gld.; Yaeyama Is.; color vars. 10c, 10c for 50c.

**HALIOTIDÆ.**

Haliotis (teintotis) asinina, Lin.; Hirame Jima Is. Nat. name, Awabi. This is one of the most curiously formed of this interesting genus. 25c, 3 for 50c.

Haliotis gigantea, Chem.; Hirama Jima Is. 25 to 50c.

Haliotis (padolus) ovina, Chem.; Kobashima Is. 15 to 25cts.

**PATELLIDÆ.**
Patella nigro-squamata; (var.) a large species; Yaeyama Is. Nat. name, Sennen-gai (may you live a thousand years shell). 50c.

**BULLIDÆ.**
Bulla ampula, Lin.; Yaeyama Is. Color vars. only fair. 15c.

Bulla (atyis) cilindrica, Heblbing; Yaeyama Is. Mostly living. Nat. name, Shira kai. 10c, 3 for 25c.

**HELICIDÆ.**
Helix (Acusta) despecta, Grav.; Yaeyama. Fine living shells in three shades of color 25c, 5 for 50c.

Helix (Plectotropis) elegantissima, Pfr.; Yaeyama. 50c.

Helix (Plectotropis) Mackensii, Ad. Rve.; Yaeyama Living, in two color varieties 50c, 3 for 5c.

Helix (Aegista) oculus, Pfr.; Yaeyama. Living, differing stages of growth. 15 to 50c.

Helix (Aegista) vermis, Rve.; Yaeyama. Living slight differences in form, color, and age. 25 to 50c.

**PUPIDÆ.**
Clausilia (Stercopehedusa) valida, Pfr.; Loo Choo Is. 30c.

Limnae Pervia, Marts; var. Luchuensis; Yaeyama. Living. 10c, 5 for 25c.

**CYCLOSTOMIDÆ.**
Cyclophorus (s. s.) turgidus, Pfr.; Yaeyama. With opercula, fine living shells in five color varieties. 30c.

**MACTRIDÆ.**
Mactra (trigonella) venericformis, Desh.; Yaeyama Living shells. 25 to 50c.

**TELLINIDÆ.**
Tellina (tellinella) staurella, Lam. Nat. name, Luna-gai (beach-sand shell). Yaeyama. 10c, 3 for 25c.

**VENERIDÆ.**
Chione (Omphalolathrum) puerpura, Lin.; Kobashima. Fine living shells. 30c.

Tapes (hemitapes) striata, Chem.; var. Loo Chooensis; Yaeyama Is. 25c.

**CARDIDÆ.**
Cardium (Serripes) muticum, Rve.; Yaeyama Is. Fine large living shells; the interior of the valves are tinted a beautiful pinkish flesh color. 25c.

Cardium (hemicardium) cardissi, Lin. Fine living shells, from 7 cm. to 4 cm. Nat. name, Aoi-gai, after the leaf of the Aoi plant, from which is formed the crest of the Tycoon. Hirame Jima. 25 to 50c.

**TRIDACNIDÆ.**
Tridacna crocea, Lam.—T. scaffa, Meusch. Itoma Jima. Living, 3½ to 5 in. long. 25 to 50c.

Tridacna elongata, Lam.; Itoma Jima. Nat. name, Aji-gai, living 3 to 6 in. long. Also a variety smaller than the type, and more elongated and curved, 3 to 6 in. long. 25 to 50c.

Tridacna (hippopus) maculatus, Lam.; Itoma Jima. Living, 4 to 6½ in. long. 25 to 50c.

Tridacna squamosa, Lam.; Itoma Jima. Living shells, 3½ to 4 in. long. 50c.

**AVICULIDÆ.**
Meleagrina Martensi, Dkr.; Yaeyama. Living, 8 to 10, 12 cm. diameter; some quite smooth, others lamellated. This species is fished for the pearls they contain, both in Loo Choo and in Japan. 50c to $1.

Malleus albus, Lam. In this the valves are straighter than in the other; very fine, large, living shells. Yaeyama. 50c to $1.

Malleus vulgaris, Lam. The hammer-headed oyster. In this species the valves are serpentine in their length; fine, large, living shells. Yaeyama. 50c to $1.

**ARCIDÆ.**
Arca (angmalocardia) subcrenata, Lisch.; Itoma-Jima. 50c.
HAWAIIAN AND SOUTH SEA SHELLS.

The following is a list of Marine, F. W. and Land Shells, collected personally in the Hawaiian Islands in 1892, and also a number of species purchased at the Islands from collections made in the South Seas and brought thereto by the Missionary Steamer, Morning Star.

These Shells are for sale at the affixed prices, or they may be had in exchange for other desirable species not in my collection, particularly for such as have been personally collected by correspondents.

Postage and other charges to be met by the sender unless otherwise arranged, except for heavy or low-priced shells.

In making exchanges, the values placed upon such species by dealers is to be considered, rather than exchange of species for species, or shell for shell.

I have also a printed list of Shells for exchange or sale, collected in Japan at two different visits. It may be had on application.

A new and complete list of Japanese Marine Shells will be published by me in October, 1894, embodying my own collections, new to science, or not before reported from Japan, since Dunker's work in 1882, with critical notes by Prof. H. A. Pilsbry, and with illustrations of new species.

Address FREDERICK STEARNS (Personal),
371 Lafayette Avenue,
DETROIT, MICH., U. S. A.

Nassa (Alectryon) hirta, Kiener; Oahu. Fine living shells. 10c., 3 for 20c.

Purpura (tribulus) aperta, de Blainv.; Oahu. Living. 25c.

Ricinula tuberculata, de Blainv.; Diamond Head, Oahu. Fine living shells. 10 to 15c.

Ricinula (s. s) ricinus, Lin.; R. arichnoides; Diamond Head, Oahu. Partly living and partly beach worn. 10 to 15c.

Sistrum foveolatum, Pease; Pearl Harbor. Living. 50c.

Mitra (strigatella) auriculoides, Rve.; Oahu. Fair but beach worn. 25c.

Conus (dendoconus) quercinus, Brug.; var.; Pearl Harbor, Oahu. Fine living shells. Various stages of growth, some with opercula and epidermis. 15 to 50c.

Strombus (canarium) maculatus, Nutt. Part from Waikiki beach, living; others from Samoa, slight differences in form, part living and part dead shells. 15c. 3 for 50c.

Cypraea (aricia) tessellata, Swains. A rare and beautiful species; some very fine, others from fair to poor. Best $5 each, others 50c to $2.

Cypraea (aricia) caput serpentinis, Lin.; Diamond Head. Fine living shells. 8c. 10 for 50c.

Cypraea (luponia) helveola, Lin.; Kauai, Hawaii. Fine living shells. 5c. 10 for 50c.

Cypraea (aricia) mauritiana, Lin.; Oahu. Living shells. 25 to 50c.

Cypraea (aricia) moneta, Lin. A bright yellow var. used by the Hawaiians for bracelets and hat bands (leis). Living. 8c., 10 for 50c.

Melania (Plotia) Mauisensis, Lea; var. 8 to 10c.

Melania (Melanoides) Newcombia, Lea. Living shells. Pearl Harbor. 8 to 10c.

Littorina (Malaraphe) Newcombia, Rve; Pearl Harbor, Living. 10c., 5 for 50c.

Littorina species, from black lava; east of Diamond Head. 10c.

Hipponyx antiquatus, Lin.; Waikiki Beach. Fair, beach worn shells. 5c. 5 for 15c.

Nerita (Thelicostyla) morio, Sby. Surf beat lava rocks; east of Diamond Head. Living. 10c., 5 for 30c.

Nerita (s. s.) picea, Recl. Surf beat lava; east of Diamond head. Living shells. 5c.

Nerita (Peleronta) polita, Lin.; var. plicoha; Kohala, Oahu. Very fine living shells, in twelve color varieties. 8c., 10 for 50c.

Nerita (Alinda) granosa, Sby.; Haulaii Is., of Kauai, Hawaii. Very fine and large, living, with opercula. Called by the natives, Pil-pili-ee, and used as food. 15 to 50c.

Nerita (neripteron) Tahitiensis, Less.; Waikiki Beach. Beach worn but fair. 10 to 15c.

Trochus (polydonta) Sandwicchiensis, Sby. Nat. name, Oh-no-na; Pearl Harbor. Living shells, with opercula. 15 to 25c.

Patella (Heliconiscus) exaratus, Nutt. Two varieties. Surf beat black lava ledge; three miles east of Diamond Head. Nat. name, Oh-pee-hee, used as food. 10c., 5 for 40c.
HAWAIIAN AND SOUTH SEA SHELLS.

Trochomorpha (nigritella) contigua, Pease; Nuuana Valley, Oahu. Living. 30c.

Tellina (Acropagia) rugosa, Con.; Honolulu harbor. Living shells. I also found this species semi-fossilized in a layer of the shore seven feet above tide water, Pearl Harbor; these smaller than the living shells. 10c., 3 for 25c.

Mytilus (s. s.) crebristriatus, Conr.; Pearl Harbor. Living. 5c.

Perina (Isognomon) costellatus, Conr.; reefs at Waikiki. Living. 15c.

Meleagrina nebulosa, Con. Semi-fossil, found common on the surface of an upraised island in Pearl Harbor; half shells only; none found living.

Pecten (s. s.) superbus, Sby., Waima, Oahu. Half shells only; a white variety, and one blotched with deep red. These are much used by the natives in making ornamental hat bands and wreaths (leis). 10 for 25c.


The following shells, whose habitat is the South Seas, were purchased in Honolulu, brought there by the Missionary steamer, the Morning Star:

Nassa (tritea) reticulata, Lin.; South Seas. Living. 5c., 10 for 30c.

Oliva (Strephona) erythrostroma, Lam. Typical; fine living shells. Samoa. 20 to 25c.

Agaronia (olivancillaria) Gibbosa, Born.; Gilbert Is. 40c.

Olivella (epona) circulata, Gray; Samoa. Good. 25c.

Mitra (strigatella) limbifera, Lam.; South Seas. Only fair. 150c.

Mitra (strigatella) littorata, Rve.; Samoa. Good. 15 to 25c.

Mitra (strigatella) paupercula, Lin.; Samoa. Fine living shells. 20 to 25c.

Mitra (s. s.) pontificalis, Lam.; Samoa. Living. 20 to 40c.

Columbella (Engina) mendicaria, Anth.; South Seas. Very fine living shells, best I ever saw. 6c., 10 for 40c.

Natica (s. s.) aurantia, Lam.; Gilbert Is. Fine living shells, no opercula. 20 to 25c.

Natica (Strangii, Rve.; Australia. Living shells, which have been pierced for use as a necklace. 15 to 30c.

Strombus (canarium) maculatus, Nutt. Fine living shells. Samoa. 15 to 25c.

Cypraea (aricia) caput serpentis; var. caput anguis, Phil. Living shells from Samoa. 25c.

Cypraea (luponia) caurica, Lin.; Samoa. Fine living. 8 to 15c.

Cypraea (luponia) helveola, Lin.; South Seas. Good. 8 to 10c.

Cypraea (aricia) intermedia, Gray; Samoa. Living. 25c.

Cypraea (luponia) lynx, Lin.; Samoa. 8 to 15c.

Cypraea (aricia) moneta, Lin.; South Seas. Bright yellow var. 10c., 10 for 50c.

Cypraea (luponia) poraria, Lin.; Australia. 6 to 10c.

Blenchus (Cantharidus) rutilus, A. Ad.; Australia. Living; 2 vars. 15c.

Bankivia fasciata, Mke.; Australia. Var. mostly fair. 15c.

Partula Guanensis, Pfr.; Ponoe, Caroline Is. A brown species, much larger than the partulas of Tahiti. 25c.

Trochomorpha (nigritella) goniomphala, Pfr.; Ponape, Caroline Is. Magnificent specimens. 50c.

Helix (Hystricella) similis, Per. 10c.

Melampus fasciatus, Desh.; var. Ater, Mull.; Samoa. Several color varieties, many of them pierced for necklaces. 5c., 10 for 40c.

Melampus luteus, Quoy; Samoa. 3 color varieties, some pierced by the natives for necklaces. 6c., 10 for 40c.

Truncatella semi-costata, Monruz; Tahiti. Forming a necklace over two feet long. 10c., 10 for 50c.
NEW CATALOGUE
OF THE
Marine Mollusks of Japan

WITH DESCRIPTIONS AND ILLUSTRATIONS OF NEW SPECIES AND NOTES ON OTHERS

COLLECTED BY FREDERICK STEARNS.

BY
HENRY A. PILSBRY,
Conservator Conchological Section of the Academy of Natural Sciences, of Philadelphia.

This catalogue grew from the research incidental to the identification of the mollusca procured by Frederick Stearns during two visits to Japan. A portion of the collection made in 1880-'90 having been submitted to Mr. Pilsbry for identification, it was found to contain a number of new and interesting species, some of which were described and figured in the Proceedings of the Academy of Natural Sciences of Philadelphia for 1891, and in The Nautilus.

A much more extensive collection was secured by Mr. Stearns upon his second visit to Japan (1892), and it was found necessary to review so considerable an amount of conchological literature in its identification, that it seemed desirable to collate all the references to Japanese mollusks subsequent to the date of Dunker's excellent work, Index Molluscorum Maris Japonici, as well as those not contained in that catalogue, and, together with descriptions and figures of the new forms discovered by Mr. Stearns, to publish a new catalogue of Japanese marine mollusca. The present volume contains about five hundred species more than Dunker's Index, although a considerable number of forms enumerated by him are herein considered synonyms or are rejected from the Japanese list. Forty species and eight varieties believed to be new, are described and illustrated, including some of which diagnoses have already appeared in The Nautilus, and the species of certain families, such as Patellidae, Fissurellidae, etc., are somewhat critically revised.

The work consists of three portions: A list of marine mollusks which have been stated to inhabit Japan from Yezzo to Kyushu, with references to description or figures of most species, and enumeration of the special localities at which each species has been found by previous naturalists or by Mr. Stearns. This is followed by a catalogue of the Inland mollusks taken by Mr. Stearns in Japan; and finally a list of mollusks of the Loo Choo group procured by Mr. Stearns is given.

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