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CATALOGUE OF THE TYPES AND FIGURED SPECIMENS
IN THE PALÆONTOLOGICAL COLLECTION OF THE
GEOLOGICAL DEPARTMENT, AMERICAN
MUSEUM OF NATURAL HISTORY.

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CATALOGUE OF THE TYPES AND FIGURED SPECI-
MENS IN THE PALÆONTOLOGICAL COLLECTION
OF THE GEOLOGICAL DEPARTMENT, AMERICAN
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Part II, Beginning with the Medina Sandstone.

ADDENDA ET CORRIGENDA TO PART I.

ABBREVIATIONS OF THE NAMES OF THE GEOLOGICAL SUBDIVISIONS.

These were not explained in the introduction to Part I because it was thought that they were self-explanatory. Inquiry having been made, however, regarding some of them, the list is inserted here.

B. R.....	Black River.
BE.....	Birdseye.
CA	Calciferous.
CH.....	Chazy.
Ft. C.....	Fort Cassin (Vt.) beds.
H. R.....	Hudson River.
L. C.....	Lower Cambrian.
M. C.....	Middle Cambrian.
TR.....	Trenton.
U.....	Utica.
U. C.....	Upper Cambrian.

Page vi, line 15, instead of "Geographical" read "Geological."

Page 24, under **Cupulocrinus** heterocostalis, instead of figs. "3d-f" read figs. "3a-f," and change second sentence of remark to read "Two stemless bodies, one preserving parts of the arms."

Page 24, under **Dendrocrinus** gracilis, change the remark to read "Body with arms, imbedded."

Page 29, line 18 from bottom, strike out "*extans.*"

Page 30, line 9, instead of "**Camerella**" read "**Camarella.**"

Page 36, line 24, instead of "sericea" read "sericeus."

Page 39, line 15 in column of Remarks, instead of "fig. 4, pl. 9A," read "fig. 3f, pl. 31A."

Page 40, line 10 from bottom, instead of "Con." read "*Emmons.*"

Pages 44 and 45, line 6, change to read, "*obtusa*.....
See *Cypricardites obtusus*," and transfer entry to **Cypricardites**.

Page 44, line 26, instead of "lata" read "latus."

Page 46, line 9 from bottom, instead of "parallela" read "parallelum."

Page 46, line 12 from bottom, instead of "contracta" read "contractum."

Pages 54 and 55, under **Murchisonia**, insert "*perangulata*.... See *Lophospira*"; and

"*uniangulata*.....See *Lophospira*."

Page 54, line 27 from bottom, instead of "*auriformis*" read "*auriforme*."

Page 58, under **Pterotheca**, insert "**P.** *undulata* Hall, 14th Rep't N. Y. State Mus., p. 97. Watertown, N. Y. Trenton Group. Cat. No. 141. Type. Nearly entire."

Page 58, line 2 from bottom, instead of figures "4b, d" read figures "4b-d."

Page 60, **Endoceras** *proteiforme*. The originals of figures 1a and 2d, pl. 50, are from Turin, N. Y.

Page 60, line 22 from bottom, instead of figures "4a, d," read figures "4a-d."

Page 66, line 17 from bottom, instead of "Type" read "Fig'd."

Page 67, line 18, instead of "Quinta" read "Quinte."

ABBREVIATIONS USED IN PART II, NOT EXPLAINED IN PART I.

GEOLOGICAL SUBDIVISIONS.

CL.....	Clinton.
COR.....	Coralline.
L. H.....	Lower Helderberg.
MED.....	Medina.
N. or NIAG.....	Niagara.
WL.....	Waterlime.

AUTHORS' NAMES.

AG.....	L. Agassiz.
E. & H.....	Milne-Edwards & Haime.
GUETT.....	Guettard.
HIS.....	Hisinger.
MCCHES.....	J. H. McChesney.
QUENST ..	Quenstedt.
WILCK.....	Wilckens.

WORK CITED.

T. A. I.....	Transactions of the Albany Institute, 8vo., Albany, vol. iv., 1858-1864.
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Upper Silurian.

INCERTÆ SEDIS.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Med.	1423	Fig'd.	Dictyolites Conrad.	Geol. N. Y.	4th D.	48	1	1
			Becki (Con.).....Hall.	Pal. N. Y.	2	6	3	1
"	1421	Type.	Fucoides Brongniart.	Geol. N. Y.	4th D.	47	1	3
			auriformis .....Hall.	Pal. N. Y.	2	7	3	4
Med.	1420	Type.	<i>Harlani</i>	Pal. N. Y.	2	7	3	3
			heterophyllum ....Hall.	Pal. N. Y.	2	7	3	3
"	1424	Fig'd.	Harlania Goëppert.	Geol. N. Y.	4th D.	46	ct.5	2
			alleganiensis (Harlan) H.	Pal. N. Y.	2	5	2	1a
"	"	"	" " "	" "	2	5	2	1b, c
"	"	"	" " "	" "	2	6	2	2
"	1426	Type.	Palæophycus Hall.	" "	2	6	3	2-2b
			tortuosum .....Hall.	" "	2	6	3	2-2b

RILL-MARKS, TRACKS, AND TRAILS.

Med.	1427	Fig'd.	Rill markings.....Hall.	Geol. N. Y.	4th D.	53	2	.....
Cl.	1502	"	Trails of annelids.....	Pal. N. Y.	2	31	14	2, 3
"	1502	"	" " " " " " " "	" "	2	30	13	Id, 2
"	1502	"	" " " " " " " "	" "	2	31	14	1
"	1504	"	Tracks of crustaceans " "	" "	2	35	15	1-6
"	1504	"	" " " " " " " "	" "	2	36	16	1-4
"	1504	"	" " " " " " " "	Lake Sup.	2	215	32	.....
"	1501	"	Trails of gastropods... " "	Pal. N. Y.	2	27	11	1a
"	1501	"	" " " " " " " "	" "	2	27	11	1b, 2b, 3
"	1501	"	" " " " " " " "	" "	2	31	14	4
"	1501	"	" " " " " " " "	" "	2	27	11	4
"	1603	"	Trails of lamellibranchs " "	" "	2	29	12	2
"	"	"	" " " " " " " "	" "	2	29	12	2

Kingdom PLANTÆ.

Subkingdom

Cl.	1461	Type.	Arthrophycus Hall.					
			<i>Harlani</i>					
			sp.....					
			Buthotrephis Hall.					
			gracilis .....Hall.	Pal. N. Y.	2	18	5	1a-d
			" ?.....	" "	2	20	5a	1
			" var. crassa..Hall.	" "	2	19	5	3b-d
			" intermedia.Hall.	" "	2	19	5	2a, b
			<i>palmata</i> .....Hall.	" "	2	20	6	1
			"	" "	2	20	7	1b
			sp. ....Hall.	" "	2	7	3	3
			? sp.	" "	2	21	7	2a-c
"	1459	"	? sp.	" "	2	21	10	9a, b, 10
			Fucoides Brongniart.					
			<i>auriformis</i>					
			<i>Harlani</i>					
			<i>heterophyllum</i>					

LOCALITY.	REMARKS.
Medina, N. Y.	A slab bearing several of these impressions. Figs. are $\frac{2}{3}$ nat. size.
" "	Probably not of organic origin.
Medina, N. Y.	See <i>Harlania alleghaniensis</i> Harlan. Only a part of the block was figured.
Medina, N. Y.	As <i>Fucoides Harlani</i> (Con.) Hall.
" "	As <i>Arthrophycus Harlani</i> Con., generic type, but Goepfert's genus was published first. Only a part of the block was figured.
" "	As <i>Arthrophycus Harlani</i> Con., generic type. Three slabs, parts of which were figured.
" "	As <i>Arthrophycus</i> sp. These fossils are probably the casts of worm burrows or trails.
" "	Three fragmentary casts of worm burrows (?).
Lockport, N. Y.	Slab of red-gray sandstone about 38 cm. X 28 cm. in size. See also <i>Lingula cuneata</i> Con.
New Hartford, N. Y.	From Blackstone's quarry. Two blocks.
Warren, N. Y.	One block is of sandstone, the other of sandy shale.
" "	Five blocks bearing the tracks figured.
" "	Three blocks.
Green Bay, Wis.	Large slab of greenish gray, shaly sandst. "Vertebrates?" in text.
New Hartford, N. Y.	Three blocks.
Warren, N. Y.	Several trails on one block. Figured as "Trails of small gastropods."
New Hartford, N. Y.	Figured as the "Trail of a gastropod."
" "	Strong, large impressions in shaly sandstone.
CRYPTOGAMIA. Order THALLOGENA.	
.....	Synonym of <i>Harlania</i> .
.....	See <i>Harlania alleghaniensis</i> .
New Hartford, N. Y.	Four blocks bearing the imprints or casts. Fig. 1a represents the branches too slender and acute.
" "	Somewhat weather-worn.
" "	Three specimens.
" "	Two specimens.
" "	Cast of a large form. Figure is $\frac{1}{2}$ natural size.
" "	" " form of medium size.
" "	Cast and imprint of a fragment.
" "	Three casts of roots (?).
" "	Two " " " "
.....	Entered under <i>Incertæ Sedis</i> .
.....	" " " "
.....	" " " "
.....	" " " "

Order THALLOGENA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Cl.	1458	Gen. and Sp. Type.	Ichnophycus Hall.					
			tridactylum.....Hall.	Pal. N. Y.	2	26	10	7a, n. s.
"	"	"	" " " "	" "	2	26	10	7b, "
"	1451	Type. Fig'd.	Palæophycus Hall					
			? striatum.....Hall.	Pal. N. Y.	2	22	10	1a-d
"	"	"	? " ?....."	" "	2	22	10	2
"	1452	Fig'd.	<i>tortuosum</i>					
			sp. ....Hall.	Pal. N. Y.	2	22	8	3
"	1457	Gen. and Sp. Type.	Rusophycus Hall.					
			clavatum .....Hall.	" "	2	23	8	1a, b
"	1455	Type.	pudicum .....Hall.	" "	2	24	8	6a, b
"	1456	"	subangulatum ...Hall.	" "	2	23	8	2b
"	1452	Fig'd.	sp. ....Hall.	" "	2	22	10	3
"	1450	"	Roots of marine plants Hall.	" "	2	25	8	4a, b
"	1453	"	" " " "	" "	2	25	10	4-6, 8
"	1605	"	Stem of marine plant "	" "	2	105	3I	7

Kingdom ANIMALIA.

Subkingdom

Niag.	1880	Type.	Astylospongia Roemer.					
			(Palæomanon) bursa H.	N. Y. S. M.	28	105	3	15, 16
"	1881	Fig'd.	præmorsa (Goldf.) Hall.	" "	28	103	3	4-8
"	"	"	" " " "	" "	28	103	3	9-11
"	"	"	" " " "	" "	28	103	3	14
"	"	Type.	" var. nuxmoschata, H.	" "	28	104	3	12, 13
"	1974	"	Receptaculites DeFrance.					
			hemisphericus ....Hall.	Geol. Wis.	1861	16		
L. H.	2619	Fig'd.	<i>Whitfield.</i>	Mem. A. M.	1	46	5	3, 4
			infundibuliformis (Eaton) H.	St. G. N. Y.	2	....	23	10
Niag.	1973	Type.	H. & S.	Pal. N. Y.	6	290	24	10
			infundibulum.....Hall.	Geol. Wis.	1861	16		
"	1975	"	<i>Whitfield.</i>	Mem. A. M.	1	46	5	1, 2
			ohioensis.....H. & W.	Pal. Ohio.	2	123	6	1
"	1879	"	subturbinate.....Hall.	T. A. I.	4	224		
			" " " "	N. Y. S. M.	28	103	3	1-3

Subkingdom CŒLENTERATA.

Niag.	1672	Type.	Dictyonema Hall.					
			gracile .....Hall.	Pal. N. Y.	2	175	40G	1a, c
"	"	"	" " " "	Geol. N. Y.	4th D.	115	ct. 42	2
"	"	"	" " " "	Pal. N. Y.	2	175	40G	1b, d, e
"	1671	Gen. and Sp. Type.	retiforme.....Hall.					
			" " " "	Geol. N. Y.	4th D.	115	ct. 42	1
"	"	"	" " " "	Pal. N. Y.	2	174	40F	1b, c
			" " " "	Can. O. R.	2	12	....	10
"	"	"	" " " "	N. Y. S. M.	20	178	....	11.
			" " " "	Pal. N. Y.	2	174	40F	1a, b
Cl.	1623	Type.	Websteri ..(H.) Dawson.	C. N. & G.	5	139	....	2, 2a
"	1468	"	Graptolithus Linn.					
			clintonensis.....Hall.	Geol. N. Y.	4th D.	72	ct. 17	12
"	"	"	" " " "	Pal. N. Y.	2	39	A17	1c, f

LOCALITY.	REMARKS.
New Hartford, N. Y.	Several imprints in shale, of which two were figured.
" "	Cast in block with the original of fig. 6 on same plate.
Clinton, N. Y.	Four casts of fragments, two of which preserve rootlets.
" "	Cast of what may be an expanded, flattened termination.
.....	Entered under <i>Incertæ Sedis</i> .
New Hartford, N. Y.	Cast of a compressed stem.
" "	Two casts, imbedded in separate blocks.
" "	" " " "
" "	Casts of two small fragments on block with other markings.
" "	Cast of a complex marking.
Clinton, N. Y.	Two casts on same block.
New Hartford, N. Y.	Four blocks. Orig. of fig. 6 is on the same block with a type of <i>Ichnophycus tridactylum</i> , fig. 7b, pl. 10.
Mohawk, N. Y.	Figured as a "Fragment of a rib of some vertebrate animal."
PORIFERA. Class PLETHOSPONGIÆ.	
Waldron, Ind.	A somewhat flattened specimen.
" "	Three entire specimens.
" "	Three specimens cut to show sections.
" "	Flattened vertically. Figure is not an enlargement.
" "	Entire. Not separated fr. <i>A. præmorsa</i> in "doc. edit." of the report.
Racine, Wis.	Two irregular fragments of casts.
Nr. Clarksville, N. Y.	A large colony.
Racine, Wis.	Two cup-shaped fragments and one not fig'd compose the type series.
Yellow Springs, O.	A small, hemispherical colony, cast.
Waldron, Ind.	Cast of a small colony.
Class HYDROZOA.	
Lockport, N. Y.	As <i>Gorgonia</i> ? sp. Part of the frond was figured.
" "	Central part of a frond, imbedded.
.....	As <i>Gorgonia</i> ? <i>retiformis</i> .
.....	Made generic type of <i>Dictyonema</i> .
Lockport, N. Y.	A rather small fragment showing centre of growth.
" "	A large frond. There are two figures lettered 1b.
Nr. New Canaan, N.S.	Five fronds imbedded in slate form the type series.
Rochester, N. Y.	Rather long fragment. Details completed from another specimen.

Class HYDROZOA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Cl.	1465	Type.	Graptolithus Linn.— <i>Cont.</i>					
	1465	"	clintonensis.....Hall.	Pal. N. Y.	2	39	A17	1a
"	1465	"	" " " "	" "	2	39	A17	1b, e
"	1465	"	" " " "	" "	2	39	A17	1d
			<i>venosus</i>					
			Inocaulis Hall.					
Niag.	1470	Gen. and Sp. Type.	plumulosus.....Hall.	Pal. N. Y.	2	176	40G	2a, b
			" " " "	Geol. N. Y.	4th D.	116	ct. 43	1
			" " " "	Can. O. R.	Dec. 2	18		26
			" " " "	N. Y. S. M.	20	185		28
			Retiolites Barrande.					
Cl.	1466	Type.	venosus.....Hall.	Pal. N. Y.	2	40	A17	2a, b, d
			" " " "	Can. O. R.	Dec. 2		B	20, 21
			" " " "	N. Y. S. M.	20		I	20, 21
			Stromatopora Goldfuss.					
Niag.	1464	Fig'd.	concentrica (<i>Goldf.</i>)..H.	Pal. N. Y.	2	136	37	1a-e
"	"	"	" " " "	" "	2	136	37A	1a
"	"	"	" " " "	" "	2	136	37	1f, g
Cor.	1464	"	" " " "	" "	2	136	73	2a, b
			Without name.....Hall.	Geol. N. Y.	4th D.	116	ct. 43	1

Class ACTINOZOA.

			Alveolites Lamarck.					
			<i>exsul</i>					
			Astrocerium Hall.					
Niag.	1676	Type.	constrictum.....Hall.	Pal. N. Y.	2	123	34A	2a, b
"	1674	"	" " " "	" "	2	123	34A	3a-e
"	"	"	parasiticum.....Hall.	" "	2	122	34	2a-c
"	"	"	" " " "	" "	2	122	34	2e, sect.
"	"	"	" " " "	" "	2	122	34	2f-h
Niag.	1675	Type.	pyriforme.....Hall.	Pal. N. Y.	2	123	34A	1a-e
"	1470	Gen. and Sp. Type.	venustum.....Hall.	" "	2	120	34	1b, base
"	"	"	" " " "	Geol. N. Y.	4th D.	91		27, sect.
"	"	"	" " " "	Pal. N. Y.	2	120	34	1c-e
"	"	"	" " " "	" "	2	120	34	1j
"	"	Fig'd.	" " " "	" "	2	122	34	2d
			Aulopora Goldfuss.					
"	1885	Type.	precious.....Hall.	N. Y. S. M.	28	107	9	5, 6
L. H.	2280	"	schohariae.....Hall.	" "	26	110		
			" " " "	St. G. N. Y.	2		2	2
			H. & S.	Pal. N. Y.	6	3	2	2
			Caninia Michelin.					
Cl.	1474	"	bilateralis.....Hall.	" "	2	41	17	3h
			Cannapora Hall.					
Cl.	1473	Gen. and Sp. Type.	junciformis.....Hall.	Pal. N. Y.	2	43	18	1a-f
			Catenipora Lamarck.					
			<i>agglomerata</i>					
			<i>escharoides</i>					

LOCALITY.	REMARKS.
Rochester, N. Y.	A slab bearing numerous fragments.
Sodus, N. Y.	
Rochester, N. Y.	Somewhat distended.
.....	See <i>Retiolites venosus</i> .
.....	
.....	Without a name.
Lockport, N. Y.	A block bearing more stems than were figured.
.....	As <i>Graptolithus venosus</i> .
Rochester, N. Y.	The slab of shale from which the figs. were made, and its counterpart.
Lockport, N. Y.	Two small masses.
" "	A large, flat mass.
" "	A large, hemispheroidal mass, weathered.
Schoharie, N. Y.	Two small, irregular masses.
.....	See <i>Inocaulis plumulosus</i> Hall.
.....	
.....	See <i>Callopora exsul</i> .
Lockport, N. Y.	Part of a hemispherical mass.
" "	Two hemispherical masses attached to shells.
" "	Three small masses.
" "	Small mass showing section ; on an " <i>ichthyodorulite</i> ."
" "	Large, flat mass, parts of which were figured. See also <i>A. venustum</i> .
" "	Three masses.
" "	On a fragment of a <i>Syringopora</i> .
" "	As <i>Porites</i> without reference to species.
" "	Shows vertical section and moulds of selenite crystals.
" "	Surrounding a crinoid column. Two unfig'd spec. are in type series.
" "	As a type of <i>A. parasiticum</i> Hall. Young colony on a crinoid stem.
Waldron, Ind.	Small, very perfect colony on a <i>Whitfeldella nitida</i> .
Clarksville, N. Y.	On a weathered crinoid plate.
Reynales Basin, N. Y.	Small fragment of doubtful relations. Possibly = <i>Amplexus</i> sp. See also <i>Zaphrentis bilateralis</i> .
Ontario, N. Y.	Three fragments which were used in making the figures. Cf. <i>Syringopora tabulata</i> E. & H.
.....	Synonym of <i>Halysites</i> .
.....	See <i>Halysites agglomerata</i> .
.....	" " <i>catenulatus</i> .

Class ACTINOZOA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Chaetetes Fischer.					
			<i>consimilis</i>					
			<i>corticatus</i>					
			<i>heldbergiae</i>					
			<i>lycoperdon</i> (Say).... Hall					
			<i>sphericus</i>					
			sp.	Pal. N. Y.	2	7	4	I
			Chonophyllum E. & H.					
Niag.	1484	Type.	<i>niagarensis</i> Hall.	" "	2	114	32	4a-h
"	"	"	"	" "	2	114	32	4i
"	"	"	"	" "	2	114	32	4k-m
"	"	"	"	" "	2	114	32	4n
			Cladopora Hall.					
Niag.	1684	"	<i>cæspitosa</i>	" "	2	138	38	2a-c
"	1683	"	<i>cervicornis</i> Hall.	" "	2	139	38	3a, b
"	1680	"	<i>fibrosa</i>	" "	2	139	38	4a, b, 5a, b
"	1681	"	<i>macrophora</i> Hall.	" "	2	140	39	2a, b
"	1682	"	<i>multi-pora</i>	" "	2	140	39	1a
"	"	"	"	" "	2	140	39	1c-g?
"	1679	Gen. and Sp. Type.	<i>seriata</i>	" "	2	137	38	1a
"	"	"	"	" "	2	137	38	1b
"	"	"	"	" "	2	137	38	1e-h
"	"	"	"	" "	2	137	38	1k
"	"	"	"	" "	2	137	38	1l, m?
			Cænites Eichwald.					
"	1678	Type.	<i>laminatus</i>	" "	2	143	39	6a-d
"	1677	"	<i>ramulosus</i>	" "	2	142	39	4a-d
			Conophyllum Hall.					
			<i>niagarensis</i>					
			Cyclolites Lamarck.					
			<i>rotuloides</i>					
			Diphyphyllum Lonsdale.					
Niag.	1496	Type.	<i>cæspitosum</i>	Pal. N. Y.	2	116	33	1a, c-r
"	"	Fig'd.	" ?..... "	" "	2	118	33	2
"	1695	Type.	? <i>multicaulis</i> Hall.	" "	2	119	33	3a-e
"	"	"	"	" "	2	119	33	3f, g
			Diplophyllum Hall.					
			<i>cæspitosum</i>					
			Duncanella Nicholson.					
Niag.	1886	Fig'd.	<i>borealis</i> (Nich.).... Hall.	N. Y. S. M.	28	106	5	7, 8
			Favistella Hall.					
			<i>favosidea</i>					
			Favosites Lamarck.					
L. H.	2277	Type.	<i>conicus</i> Hall.	N. Y. S. M.	26	112		
			"	St. G. N. Y.	2	....	3	7, 12, 13
			H. & S.	Pal. N. Y.	6	9	3	7, 12, 13

LOCALITY.	REMARKS.
.....	See <i>Monotrypella consimilis</i> . " <i>Trematopora corticosa</i> . " <i>Ptychonema helderbergia</i> . " <i>Monticulipora lycoperdon</i> . " <i>Favosites sphericus</i> . " <i>Monticulipora</i> sp.
Lockport, N. Y.	As gen. type of <i>Conophyllum</i> H. Three detached and two imb. indiv.
" "	" " " Shows partial section.
" "	" " " Three fragments, two imbedded.
" "	" " " Shows lateral branches, imbedded.
" "	Imbedded mass with base partly weathered out.
" "	Imbedded.
" "	Two imb. branches. Description reversed in explanation of plate.
" "	Imbedded.
" "	Surface showing several weathered fragments.
" "	Block containing what are supposed to be the originals of these enlargements.
" "	A weathered specimen somewhat doubtfully referred to this figure.
" "	Irregular, weathered mass, figured in part.
" "	Block showing branches in section.
" "	Branching forms. Part of block was figured.
" "	Block bearing fragm. supposed to be the orig. of these figures. The enlargements, 1c, d, were made from some specimens in the series, not now distinguishable. An unfigured type is in the series.
" "	As <i>Limaria laminata</i> . A small, irregular mass.
" "	" " <i>ramulosa</i> . Two small fragments.
.....	Synonym of <i>Chonophyllum</i> E. & H.
.....	See <i>Chonophyllum niagarensis</i> .
.....	See <i>Palaeocyclus rotuloides</i> .
.....	
Lockport, N. Y.	As type of genus <i>Diplophyllum</i> Hall. Ten single cells and aggregates, more or less weathered, which were used for these figures.
" "	As <i>Diplophyllum caespitosum</i> . A short fragment with buds on it.
" "	As <i>Syringopora</i> (?) <i>multicaulis</i> . Three colonies, pts. of each fig'd.
" "	" " " The figures were made from polished sections of same group.
.....	
.....	Synonym of <i>Diphyphyllum</i> Lonsdale.
.....	See <i>Diphyphyllum caespitosum</i> .
.....	
Waldron, Ind.	As <i>Streptelasma</i> (<i>Duncanella</i>) <i>boreale</i> . Two indiv. imb. together.
.....	
.....	See <i>Favosites favosideus</i> .
.....	
.....	
Clarksville, N. Y.	A small and a large colony each preserving some epitheca. Two type specimens figured but not published are in the type series.

Class ACTINOZOA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
L. H.	2277	Type.	Favosites Lamarck— <i>Cont.</i>					
	1468	"	conicus.....Hall.	St. G. N. Y.	2	....	3	10, sect.
Cl.	1468	"	H. & S.	Pal. N. Y.	6	9	3	10, "
	1468	"	?favosideus.....Hall.	" "	2	41	17	2a-d
Niag.	1468	Fig'd.	favosus (Goldf.)?...Hall.	" "	2	126	34A (bis)	5a,c,d,f,g
"	"	"	" " " " " "	" "	2	126	34A (bis)	5e
Niag.	1884	Type.	Forbesi.....E. & H.	N. Y. S. M.	28	109	4	6-10, 14, 15
"	"	"	var. occidentalis.Hall.	" "	28	109	4	11-13
L. H.	2278	"	helderbergiae.....Hall.	" "	26	111		
			"	St. G. N. Y.	2	....	4	2, base
			H. & S.	Pal. N. Y.	6	8	5	3, top
			"	N. Y. S. M.	26	111	5	2, base
			H. & S.	Pal. N. Y.	6	8	5	3, top
			"	N. Y. S. M.	26	111		
			H. & S.	Pal. N. Y.	6	8	6	1, 2
			"	St. G. N. Y.	2	....	6	1, 2
			H. & S.	Pal. N. Y.	6	8	6	8
			"	St. G. N. Y.	2	....	6	8
			H. & S.	Pal. N. Y.	6	8	6	8
Niag.	1673	Type.	<i>inexpectans</i>					
"	1673	"	niagarensis.....Hall.	Pal. N. Y.	2	125	34A (bis)	4a, b
"	1673	"	" " " " " "	" "	2	125	34A (bis)	4c-e
"	1673	"	" " " " " "	" "	2	125	34A (bis)	4f, g
Cor.	1673	Fig'd.	" ? " " " "	" "	2	324	73	1b
L. H.	2278	Type.	sphericus.....Hall.	N. Y. S. M.	26	111		
			"	St. G. N. Y.	2	....	7	1, 8
			H. & S.	Pal. N. Y.	6	9	7	1, 8
			"	N. Y. S. M.	26	111		
			H. & S.	Pal. N. Y.	6	9	7	6, sect.
Niag.	1883	"	spiniger.....Hall.	N. Y. S. M.	28	108	4	1, 2, 5
"	"	"	" " " " " "	" "	28	108	4	3, 4
"	"	"	" " " " " "	" "	28	108	9	1, 2
			Gorgonia Linn.					
			retiformis.....					
			sp.....Hall.	Geol. N. Y.	4th D.	115	ct. 42	2
Niag.	1690	Type.	Halysites Fischer.					
"	"	"	agglomeratus.....Hall.	Geol. N. Y.	4th D.	....	t 22	2 (upp.)
"	"	"	" " " " " "	Pal. N. Y.	2	129	35 bis	2a, g
"	"	"	" " " " " "	Geol. N. Y.	4th D.	....	t 22	2 (low.)
"	1691	Fig'd.	" " " " " "	Pal. N. Y.	2	129	35 bis	2b-f
"	1691	Fig'd.	catenulatus (Linn.) Hall.	" "	2	127	35	1c, f
"	"	"	" " " " " "	" "	2	127	35	1d, e
"	1688	Type.	Heliolites Guettard.					
"	"	"	elegans.....Hall.	" "	2	130	36	1a-d
"	"	"	" " " " " "	" "	2	130	36	1e-g
"	1986	"	macrostylus.....Hall.	" "	2	135	36A	2a-c+

LOCALITY.	REMARKS.
Cumberland, Md. Reynale's Basin, N. Y.	A large weathered colony showing vertical section. As <i>Favistella favosidea</i> , but the specimens do not show the characters of that genus. Three masses which show respectively surface, point of origin, and section.
Milwaukee, Wis. " "	Four fragments. External imprint.
Waldron, Ind. " "	Four pyriform and globular masses, large and small. Two sectioned masses. All as <i>F. Forbesi</i> ?, in "doc. edit." of report.
Clarksville, N. Y. " "	A large, round, flat colony. A large, elongate and a broad, turbinate mass, weathered.
" " " "	Two irregular, weathered colonies.
Cumberland, Md.	A very large, entirely silicified colony. See <i>Ptychonema inexpectans</i> .
Niagara Falls, N. Y. Lockport, N. Y.	A small, imbedded fragment from Goat Island. A small spheroidal mass and a weathered fragm., each imbedded. Two unfigured specimens are in the type series.
Milwaukee, Wis. Schoharie, N. Y.	Two fragments imbedded in limestone. An ellipsoidal mass showing ends of columns. As <i>Chatetes sphericus</i> .
Clarksville, N. Y.	Large, hemispherical colony showing longit. and transv. section. As <i>Chatetes sphericus</i> .
Clarksville, N. Y. Waldron, Ind. " " " "	Elongated colony showing longitudinal section. Two irregular masses of medium size. Two masses cut so as to show longitudinal sections. A small globular mass.
.....	See <i>Dictyonema retiforme</i> . " " <i>gracile</i> .
..... Sweden, N. Y.	As <i>Catenipora agglomerata</i> in the "Tables of Organic Remains." " " " Surface weathered out of limestone. " " " "
Sweden, N. Y. Monroe Co., N. Y. Louisville, Ky.	Small, weathered mass; an erratic block. " <i>Catenipora escharoides</i> Lamarck. Small mass. " " " " " "
Lockport, N. Y. " " Milwaukee, Wis.	An irregular, weathered mass. Shows polished sections. Imbedded in dolomite.

Class ACTINOZOA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				work.	Vol.	P.	Pl.	Figs.
Niag.	1687	Fig'd.	<i>Heliolites</i> Guettard—Cont.					
	"		pyriformis (Guett.) ?..H.	Pal. N. Y.	2	133	36A	1a-e
	"		" " " "	" "	2	133	36A	1f, g
	"		" " " "	" "	2	133	36A	1h, i, k
	1687	Type.	" " " "	" "	2	133	36A	1l-m
	"		spinipora Hall.	" "	2	131	36	2a-e
	"		" " " "	" "	2	131	36	2f-h
	"		" " " "	" "	2	131	36	2i, enl.
Cl.	1486	Type.	<i>Isis</i> Linn.					
			sp.	Geol. N. Y.	4th D.	116	ct. 43	2, 3
			<i>Limaria</i> Steininger.					
			laminata					
			ramulosa					
			<i>Palæocyclus</i> E. & H.					
			rotuloides Hall.	Pal. N. Y.	2	42	17	4a-c
			" " " "	" "	2	42	17	4d
			" " " "	" "	2	42	17	4e, enl.
			<i>Polydlasma</i> Hall.					
			turbinatum					
			<i>Porites</i> Lamarck.					
Niag.	1693 1887	Type.	sp.	Geol. N. Y.	4th D.	91	ct. 27	.....
			<i>Streptelasma</i> Hall.					
			calyculus Hall.	Pal. N. Y.	2	111	32	1a-e, g-k
			radicans Hall.	N. Y. S. M.	28	106	5	1-4
L. H.	2283	"	strictum Hall.	" "	26	114	.....	.....
			" " " "	St. G. N. Y.	2	....	1	7, top
			H. & S.	Pal. N. Y.	6	1	1	7, "
			<i>S. (Duncanella).</i>					
			boreale					
			<i>S. (Petraia).</i>					
			strictum					
			<i>Striatopora</i> Hall.					
			flexuosa Hall.	Pal. N. Y.	2	156	40B	1a-e
			issa Hall.	N. Y. S. M.	26	114		
Niag. L. H.	1685 2281	Gen. and Sp. Type.	" " " "	St. G. N. Y.	2	....	3	14, 15
			H. & S.	Pal. N. Y.	6	6	3	14, 15
			<i>Syringopora</i> Goldf.					
			multicaulis					
			<i>Vermipora</i> Hall,					
			serpuloides Hall.	N. Y. S. M.	26	110		
			" " " "	St. G. N. Y.	2	....	2	24, 25
			H. & S.	Pal. N. Y.	6	5	2	24, 25
			<i>Zaphrentis</i> Rafinesque.					
			bilateralis Hall.	Pal. N. Y.	2	41	17	3a, b, d, e
Niag. L. H.	1888 2284	Fig'd.	celator. Hall.	N. Y. S. M.	28	107	5	5, 6
			Rœmeri (E. & H.) Hall.	St. G. N. Y.	2	....	1	11-13, 15-21
			H. & S.	Pal. N. Y.	6	2	1	11-13, 15-21
			turbinata Hall	" "	2	112	32	2a-i

LOCALITY.	REMARKS.
Lockport, N. Y.	Part of an irregularly pyriform, weathered mass.
" "	Small, globular mass.
" "	Preserves walls of tubes.
Milwaukee, Wis.	Imbedded in dolomite.
Lockport, N. Y.	Ovoid mass broken so as to give sections.
" "	Polished block of crinoidal limestone showing sections of the coral.
" "	Small mass supposed to be the original of the figure.
.....	See <i>Thamniscus diffusus</i> .
.....	Preoccupied. See <i>Canites</i> .
.....	See <i>Canites laminatus</i> .
.....	" " <i>ramulosus</i> .
Nr. Clinton, N. Y.	As <i>Cyclolites rotuloides</i> . Two weathered individuals imbedded in same block. Surf. features perfected from the original of fig. 4e.
" " "	As <i>Cyclolites rotuloides</i> . Imbedded; shows concave side.
" " "	" " Used also for perfecting surface features of figs. 4a, b.
.....	Synonym of <i>Zaphrentis</i> .
.....	See <i>Zaphrentis turbinata</i> .
.....	See <i>Astrocerium venustum</i> .
Lockport, N. Y.	Four individuals ranging from small to very large.
Waldron, Ind.	Two small, imperfect individuals and one cut longitudinally. As <i>S. (Aulacophyllum?) radicans</i> in the "doc. edit." of the report.
.....	As <i>Streptelasma (Petraria) strictum</i> .
Clarksville, N. Y.	Individual showing the lamellæ very well.
.....	See <i>Duncanella borealis</i> .
.....	See <i>Streptelasma strictum</i> .
Lockport, N. Y.	Three fragments, two of which bifurcate.
Clarksville, N. Y.	Two weathered specimens.
.....	See <i>Diphyphyllum multicaule</i> .
Clarksville, N. Y.	A small, weathered branch, imbedded.
Reynale's Basin, N. Y.	As <i>Caninia bilateralis</i> . Three weathered individuals and one cut to show longitudinal section. See also <i>Caninia bilateralis</i> .
Waldron, Ind.	A large individual, nearly entire.
Clarksville, N. Y.	Nine more or less perfect calyces of various sizes.
Lockport, N. Y.	As type of genus <i>Polydylasma</i> H. Eight individuals and fragments.

MONTICULIPOROIDEA.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Niag. L. H.	1882 2315	Type.	Monotrypella Ulrich.					
			consimilis Hall.	N. Y. S. M.	28	110	9	7-14
			densa Hall.	" "	26	105	.....	.....
			" " " "	" "	32	150	.....	.....
			" " " "	St. G. N. Y.	2	....	10	12, enl.
Cl.	682 19	Fig'd.	H. & S.	Pal. N. Y.	6	14	10	12, "
			? lycoperdon (Say). Hall.	" "	2	40	17	1a-c
			" " " "	" "	2	40	17	1d-f
			" " " "	" "	2	40	17	1g
			" " " "	" "	2	40	17	1h-l
Med.	1426	"	sp Hall.	" "	2	7	4	1, sect.
L. H.	2316	Type.	Ptychonema Hall.					
			helderbergiae Hall.	N. Y. S. M.	26	110	.....	.....
			" " " "	" "	32	146	.....	.....
			" " " "	St. G. N. Y.	2	....	9	16, 17
			H. & S.	Pal. N. Y.	6	15	9	16, 17

Subkingdom ECHINODERMATA.

L. H.	2289 2291	Type. Gen. and Sp. Type.	Actinocrinus Miller.					
			Christyi Hall.					
			semiradiatus Hall.					
			Aspidocrinus Hall.					
			callosus Hall.	Pal. N. Y.	3	123	5	13, 14
L. H.	2290 2292	Gen. and Sp. Type.	scutelliformis Hall.	" "	3	122	5	15-17
			" " " "	" "	3	122	5	18, int.
			Balanocrinus Troost (Non Ag.)					
			inflatus Hall.					
			Brachiocrinus Hall.					
Niag.	1893	Type.	nodosarius Hall.	Pal. N. Y.	3	118	5	6, 7
			" " " "	" "	3	118	6	2-3a
			Calceocrinus Hall.					
			stigmatus Hall.	T. A. I.	4	225	.....	.....
			" " " "	N. Y. S. M.	28	147	19	9-11
L. H.	2292 2293	Type.	Cheirocrinus Hall.					
			stigmatus Hall.					
			Cordylocrinus Angelin.					
			parvus Hall.	Pal. N. Y.	3	114	4	6-9
			plumosus Hall.	" "	3	113	4	3, 5
L. H.	2294 2295	Type.	Corymbocrinus Angelin.					
			macropetalus Hall.	" "	3	111	3A	1
			" " " "	" "	3	111	3A	8, 9, 12
			" " " "	" "	3	111	3B	1
			" " " "	" "	3	111	3B	1
Niag.	2038	Gen. Type.	Cryptodiscus Hall.					
			sp Hall.	N. Y. S. M.	20	....	11	18

LOCALITY.	REMARKS.
Waldron, Ind.	As <i>Chaetetes consimilis</i> . Four imbedded, branching fragments.
.....	" <i>Trematopora densa</i> .
.....	" " (<i>Chaetetes</i>) <i>densa</i> .
Clarksville, N. Y.	" <i>Chaetetes</i> (<i>Monotrypella</i>) <i>densus</i> . The specimen seems to have been removed from the block for figuring and not returned with it.
Reynale's Basin, N. Y.	As <i>Chaetetes lycoperdon</i> . A small, very flat, ellipsoidal form.
" " "	" " " Globular mass showing longit. section.
" " "	" " " Large fragm. of branching form, imbedded.
" " "	" " " Imbedded fragments showing sections.
Lockport, N. Y.	" " sp Shows weat hered longit. sect.; imbedded.
.....	As <i>Chaetetes helderbergia</i> .
.....	As a type of <i>Favosites inexpectans</i> Hall.
.....	As <i>Chaetetes helderbergia</i> .
Clarksville, N. Y.	A long, weathered, broken colony imbedded with <i>Fenestella compacta</i> , figs. 4, 5, pl. 22 and <i>F. præcursor</i> , fig. 14, pl. 21, of same vol.

Class CRINOIDEA.

.....	See <i>Saccocrinus Christyi</i> .
.....	" " <i>semiradiatus</i> .
Nr. Schoharie, N. Y.	A detached basal plate.
" " "	" " " "
" " "	A very large basal plate, imbedded.
.....	Synonym of <i>Lampterocrinus</i> .
.....	See <i>Lampterocrinus inflatus</i> .
Nr. Schoharie, N. Y.	Two fragments of arms, imbedded.
Albany Co., N. Y.	Detached base of an arm.
.....	As <i>Cheirocrinus stigmatus</i> .
Waldron, Ind.	The enlargement is to three, not two, diameters.
.....	Preoccupied, and is a synonym of <i>Calceocrinus</i> .
.....	See <i>Calceocrinus stigmatus</i> .
Litchfield, N. Y.	As <i>Platycr. parvus</i> . 3 weathered indiv. retaining pts. of columns.
" " "	As <i>Platycrinus plumosus</i> . A much crusted individual, imbedded.
Helderberg Mts., N. Y.	As <i>Mariacrinus macropetalus</i> , but referred here by Wachs. & Spring.
Schoharie Co., N. Y.	Base and portion of body imbedded.
	As <i>Mariacrinus macropetalus</i> , but referred here by Wachs. & Spring.
	Three weathered fragments of columns, imbedded. Four unfigured fragments are in the type series.
Schoharie, N. Y.	As <i>Mariacrinus macropetalus</i> , but referred here by Wachs. & Spring.
	Fragment of column with rootlets, imbedded.
Racine, Wis.	Exterior imprint of part of a calyx of a crinoidean (?).

Subkingdom ECHINODERMATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Cyathocrinites Miller.					
			<i>pyriformis</i>					
			Cyathocrinus Miller.					
Niag.	2032	Type.	cora.....Hall.	N. Y. S. M.	20	324	11	13, 14
"	1898	"	nucleus	" "	28, 1st ed.	....	15	7-9
"	1897	"	polyxo.....Hall.	" "	28, 2d ed.	136	15	7-9
			<i>pusillus</i>	T. A. I.	4	199		
			<i>pyriformis</i>	N. Y. S. M.	28	135	15	10-17
Niag.	2081	Type.	waukoma	N. Y. S. M.	20	324	11	11, 12
			Dendrocrinus Hall.					
Niag.	1713	Gen. and Sp. Type.	longidactylus ....Hall.	Pal. N. Y.	2	193	43	1a, b
"	"	"	"	" "	2	193	43	1c
"	"	"	"	" "	2	193	43	1d
"	"	"	"	" "	2	193	43	1i, k
			<i>nucleus</i>					
			Edriocrinus Hall.					
L. H.	2300	Gen. and Sp. Type.	pocilliformis	Pal. N. Y.	3	121	5	8-12
			Eucalyptocrinus Goldfuss.					
Niag.	1720	Type.	cælatus	Pal. N. Y.	2	210	47	4a-e
"	1720	"	"	N. Y. S. M.	28	142	16	1, 2
"	"	"	"	" "	28	142	16	3, 4
"	"	"	"	" "	28	142	16	5-7
"	"	"	"	" "	28	142	16	8
"	"	"	"	" "	28	142	16	9, 10
"	"	"	"	" "	28	142	19	1
"	"	"	"	" "	28	142	19	3
"	2082	"	cornutus.....Hall.	" "	20	322	11	8-10
"	"	"	<i>var. excavatus</i> .Hall.	" "	20	322	11	6, 7
"	1890	"	crassus.....Hall.	T. A. I.	4	197		
			"	N. Y. S. M.	28	141	17	1-4, 7
"	"	"	"	" "	28	141	18	9, enl.
"	"	"	"	" "	28	141	17	5
"	"	"	"	" "	28	141	17	6
"	"	"	"	" "	28	141	17	8
"	"	"	"	" "	28	141	17	9
"	"	"	"	" "	28	141	17	10
"	"	"	"	" "	28	141	17	11, enl.
"	"	"	"	" "	28	141	18	1-3
"	"	"	"	" "	28	141	18	4-7
"	"	"	"	" "	28	141	18	8, enl.
"	"	"	"	" "	28	141	19	2
"	"	"	"	" "	28	141	19	4, 5
"	1890	"	"	" "	20	323	11	2, 3
"	1719	Fig'd.	decorus (<i>Phillips</i>)..Hall.	Geol. N. Y.	4thD.	114	ct. 4 th	2
"	"	"	"	Pal. N. Y.	2	207	47	3a-c
"	"	"	"	" "	2	207	47	1, 2a
"	"	"	"	" "	2	207	47	3d
"	2043	Type.	obconicus	N. Y. S. M.	20	323	11	1
"	2043	"	ornatus	Geol. Wis.	1861	20		
"	1	"	"	N. Y. S. M.	20	329	11	4

Class CRINOIDEA—Continued.

LOCALITY.	REMARKS.
.....	See <i>Ichthyocrinus laevis</i> .
Racine, Wis.	Two internal casts of the calyx. As <i>Dendrocrinus nucleus</i> .
Waldron, Ind.	An armless calyx. Referred to <i>Homocrinus</i> by W. & S.
" "	Four calyces. Referred to <i>Homocrinus</i> by W. & S. See <i>Lecanocrinus pusillus</i> .
.....	" <i>Ichthyocrinus laevis</i> .
Waukesha, Wis.	Internal cast of small calyx. The exterior imprint is also present.
Lockport, N. Y.	Individual w. arms; more complete than is represented in figure. Single body plate imbedded. The orig. of fig. 1e was on this block, but has scaled off and been lost.
" "	A large body plate, imbedded.
" "	A stem with branches, imbedded. It is not an arm.
.....	See <i>Cyathocrinus nucleus</i> .
Nr. Clarksville, N. Y.	Two detached bodies.
Lockport, N. Y.	Individual of medium size, nearly entire.
Waldron, Ind.	A very young and an adult individual retaining arms in place. A large calyx without arms or interbrachial plates.
" "	An adult preserving calyx and interbrachial plates and showing internal structure.
" "	A large calyx without arms or interbrachial plates.
" "	Basal and first radial plates of a large individual.
" "	Part of a large calyx showing interior of dome.
" "	The base of the visceral chamber formed by four anchylosed plates.
Racine, Wis.	Fragmentary imprints of the exterior.
" "	Internal cast. An external cast, also, is in the type series.
.....	This reference applies as well to all the Waldron spec. of this species. Fig. 2 of this plate is an enlargement to two, not three, diameters.
Waldron, Ind.	Five calyces preserving more or less of the arms.
" "	An entire, young indiv. w. calyx, arms, column and roots, imbedded.
" "	A calyx without arms or interbrachial plates.
" "	A calyx with interbrachial plates, but no arms.
" "	A long fragment of a large column, part of which was figured.
" "	A calyx with interbrachial plates showing imprint rec'd fr. the arms.
" "	Fragment showing parts of four arms.
" "	Two calyces without arms or interbrachial plates.
" "	Three calyces with interbrachial plates, but no arms.
" "	The interbrachial plates of a small individual.
" "	A calyx without arms or interbrachial plates.
" "	A detached dome plate.
Racine, Wis.	Internal cast of a small calyx. As <i>Hypanthocrinites decorus</i> .
Lockport, N. Y.	Upper half of a large individual.
" "	Two individuals, one retaining some of column; imbedded.
" "	Shows longitudinal section of arms and tentacles.
Racine, Wis.	Internal cast of an average individual.
" "	Well preserved imprint of exterior of base.

Subkingdom ECHINODERMATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Niag.	2042	Type.	Eucalyptocrinus Goldf.-Cont.					
"	1891	Fig'd.	ornatus Hall.	N. Y. S. M.	20	329	11	5
"	1721	Type.	ovalis (<i>Troost</i>)..... Hall.	" "	28	143	17	12, 13
"	1889	Fig'd.	papulosus..... Hall.	Pal. N. Y.	2	211	47	5a, b
"	"	"	sp Hall.	N. Y. S. M.	28	144	19	6, 7
"	"	"	"	" "	28	144	19	8
"	"	"	"	" "	28	144	20	1
"	1718	Gen. and Sp. Type.	Glyptaster Hall.					
"	1903	Type.	brachiatus Hall.	Pal. N. Y.	2	187	41	4a, b
"	1902	"	inornatus. Hall.	T. A. I.	4	205		
"	1902	"	occidentalis Hall.	N. Y. S. M.	28	134	14	1-6
"	1902	"	"	T. A. I.	4	204		
"	2034	"	"	N. Y. S. M.	28	133	13	7-11
"	2034	"	pentangularis..... Hall.	" "	20	326	10	3
"	2036	Fig'd.	Glyptocrinus Hall.					
"	1904	Type.	armosus (<i>McChesney</i>) H. Hall.	Geol. Wis.	1861	22	.....	.....
"	2035	"	Carleyi Hall.	N. Y. S. M.	20	328	.....	.....
"	"	"	"	T. A. I.	4	203	10	11
"	"	"	"	N. Y. S. M.	28	132	14	7
"	2035	"	nobilis Hall.	" "	28	132	14	8-10
"	"	"	"	Geol. Wis.	1861	21		
"	"	"	"	N. Y. S. M.	20	328	10	9
Cl.	1484	"	plumosus..... Hall.	" "	20	328	10	10
"	1484	"	"	Pal. N. Y.	2	180	A41	3a, b
"	1483	Fig'd.	<i>siphonatus</i>	" "	2	180	A41	3c
"	1483	Fig'd.	sp Hall.	Pal. N. Y.	2	181	A41	4
Niag.	1706	Type.	Homocrinus Hall.					
"	"	"	cylindricus..... Hall.	Pal. N. Y.	2	186	41	2a-c
"	1705	Gen. and Sp. Type.	"	" "	2	186	41	3a-c
"	"	"	parvus Hall.	" "	2	185	41	1a, d, f
"	"	"	"	" "	2	185	41	1b, c, e
L. H.	2224	Type.	scoparius Hall.	" "	3	102	1	1-9
			Hypanthocrinites Phillips.					
			<i>decorus</i>					
Cl.	1482	Type.	Ichthyocrinus Conrad.					
Niag.	1412	Fig'd.	? clintonensis..... Hall.	Pal. N. Y.	2	181	A41	5
"	"	"	laevis (<i>Con.</i>)..... Hall.	Geol. N. Y.	4th D.	112	P. 111	3
"	"	"	"	Pal. N. Y.	2	195	43	2a
"	1200	Type.	subangularis..... Hall.	" "	2	195	43	2b-m
"	1200	"	"	T. A. I.	4	201		
"	1200	"	"	N. Y. S. M.	28	137	16	11-13
"	2033	"	"	" "	20	325	11	15
"	2033	"	Lampterocrinus Roemer.					
"	"	"	inflatus Hall.	Geol. Wis.	1861	22	.....	.....
"	"	"	"	N. Y. S. M.	20	328	10	6
"	1716	"	Lecanocrinus Hall.					
"	1715	Gen. and Sp. Type.	caliculus Hall.	Pal. N. Y.	2	203	46	3a, b
"	1715	"	macropetalus Hall.	" "	2	199	45	1b-f

Class CRINOIDEA—Continued.

LOCALITY.	REMARKS.
Racine, Wis.	Internal cast of a large calyx.
Waldron, Ind.	A very perfect individual, imbedded.
Sweden, N. Y.	Part of a large calyx.
Waldron, Ind.	Two sets of roots on a calyx of <i>E. celatus</i> Hall.
" "	Large, spreading set of roots imbedded in shale.
" "	Very large, " " " " " "
Lockport, N. Y.	An individual imbedded with its arms extended.
Waldron, Ind.	Four imperfect calyces.
" "	Two imbedded calyces, one very perfect.
Racine, Wis.	A well marked internal cast of the calyx.
" "	Internal cast of a calyx.
.....	As type of <i>Glyptocrinus siphonatus</i> Hall.
.....	" " " " in the text.
Racine, Wis.	Internal cast of a large calyx.
Waldron, Ind.	Half a calyx of some other species. Too poor for description.
" "	A nearly entire calyx.
Racine, Wis.	Exterior imprint of a large calyx with its proboscis.
" "	Internal cast of a large calyx, nearly entire.
Reynale's Basin, N. Y.	Most of a tentaculated finger, imbedded.
Medina, N. Y.	Fragment of a small column, imbedded.
.....	See <i>Glyptocrinus armosus</i> .
Reynale's Basin, N. Y.	A large detached column disc.
Lockport, N. Y.	Body and part of column, imbedded.
" "	A somewhat crushed body.
" "	Body with part of arms and stem, imbedded.
" "	Part of body with most of arms, imbedded. Same block bears
.....	<i>Callopora</i> , n. s., figs. 6a, b, pl. 40.
Litchfield, N. Y.	Six blocks containing twenty bodies w. arms and one long frag. of stem. Made the type of the revised genus by Wachs. & Springer.
.....	See <i>Eucalyptocrinus decorus</i> .
Reynale's Basin, N. Y.	Fragment showing several arms in part.
.....	As <i>Cyathocrinites pyriformis</i> Murchison.
Lockport, N. Y.	Slightly compressed individual, imbedded.
" "	Four individuals, more or less compressed.
Waldron, Ind.	A small and a large imperfect calyx.
Racine, Wis.	Imperfect, but preserving the substance of the calyx.
.....	As <i>Balanocrinus inflatus</i> .
Racine, Wis.	Well marked internal cast of calyx.
Lockport, N. Y.	A small calyx.
" "	A large and a small individual.

Subkingdom ECHINODERMATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Niag.	1899	Type.	Lecanocrinus Hall— <i>Cont.</i>					
			pusillus Hall.	T. A. I.	4	200	.....	.....
			" " " " " "	N. Y. S. M.	28, 1st ed.	.....	15	1-6
			" " " " " "	" " "	28, 2d ed.	136	15	1-6
			Lyriocrinus Hall.					
"	1714	Gen. and Sp. Type.	dactylus Hall.	Geol. N. Y.	4th D.	114	p. 113	4
"	"	"	" " " " " "	Pal. N. Y.	2	197	44	1a, d
"	"	"	" " " " " "	" " "	2	197	44	1c, c†
"	1901	Type.	melissa Hall.	T. A. I.	4	198	.....	.....
			" " " " " "	N. Y. S. M.	28	139	15	18-27
			Macrostylocrinus Hall.					
"	1896	"	fasciatus Hall.	" " "	28	130	13	5, 6
"	1895	"	striatus Hall.	T. A. I.	4	207	.....	.....
"	1895	"	" " " " " "	N. Y. S. M.	28	129	13	1-4
	2		" " " " " "	" " "	20	327	10	7, 8
			Mariocrinus Hall.					
			macropetalus .....	.....	.....	.....	.....	.....
			nobilissimus .....	.....	.....	.....	.....	.....
			pachydactylus .....	.....	.....	.....	.....	.....
L. H.	2298	Type.	stoloniferus Hall.	Pal. N. Y.	3	112	3A	2
"	2298	"	" " " " " "	" " "	3	112	3B	3
"	2298	"	" " " " " "	" " "	3	112	3B	4-7
			Marsupiocrinus Phillips.					
			dactylus .....	.....	.....	.....	.....	.....
L. H.	2303	Type.	tentaculatus Hall.	Pal. N. Y.	3	116	5	1-4
			Melocrinus Goldfuss.					
"	2297	"	nobilissimus Hall.	" " "	3	105	2	1-3, 5
"	"	"	" " " " " "	" " "	3	105	2	4, enl.
Niag.	1894	"	obconicus Hall.	T. A. I.	4	206	.....	.....
			" " " " " "	N. Y. S. M.	28	138	14	11-14
L. H.	2304	Fig'd.	pachydactylus (Con.) H.	Pal. N. Y.	3	107	3	3, 4a
Niag.	1722	Type.	sculptus Hall.	" " "	2	228	49a	2a, b
"	"	"	" " " " " "	" " "	2	228	49a	2c
"	2030	Fig'd.	Verneuli (Troost) Hall.	N. Y. S. M.	20	327	10	5
			Myelodactylus Hall.					
"	1707	Type.	brachiatus Hall.	Pal. N. Y.	2	232	45	7d, e
"	1708	Gen. and Sp. Type.	convolutus Hall.	" " "	2	192	42	6a-h
"	1709	Fig'd.	sp Hall.	" " "	2	232	45	8, 9
			Platycrinus Miller.					
			parvus .....	.....	.....	.....	.....	.....
			plumulosus .....	.....	.....	.....	.....	.....
			tentaculatus .....	.....	.....	.....	.....	.....
			Rhodocrinus Miller.					
			melissa .....	.....	.....	.....	.....	.....
Niag.	2037	Type.	? rectus Hall.	N. Y. S. M.	20	318	.....	.....
			" " " " " "	" " "	20	379	10	2

Class CRINOIDEA—Continued.

LOCALITY.	REMARKS.
.....	As <i>Cyathocrinus pusillus</i> .
.....	" " "
Waldron, Ind.	The lower halves of two calyces.
.....	As <i>Marsupiocrinites</i> (?) <i>dactylus</i> .
Lockport, N. Y.	Individual preserving most of the arms, imbedded.
" "	Small calyx with parts of arm and column, imbedded. An unfigured type is in the series.
.....	As <i>Rhodocrinus melissa</i> .
Waldron, Ind.	" <i>R. (Lyriocrinus)</i> " One entire and five more or less entire calyces.
" "	A small calyx, nearly entire.
" "	Two armless calyces, imbedded.
Racine, Wis.	Exterior imprint and internal cast of same calyx.
.....	See <i>Corymbocrinus macropetalus</i> .
.....	" <i>Melocrinus nobilissimus</i> .
.....	" <i>Melocrinus pachydactylus</i> .
Schoharie, N. Y.	Short fragment of a thick column. The species was founded on such fragments alone.
Albany Co., N. Y.	Fragment of slender column, imbedded.
Nr. Schoharie, N. Y.	Four fragments of columns; three of which are imbedded.
.....	See <i>Lyriocrinus dactylus</i> .
Litchfield, N. Y.	As <i>Platycrinus tentaculatus</i> , but referred here by Wachs. & Spring. Calyx and arms, imbedded.
" "	As type of genus <i>Mariacrinus</i> . A very large calyx with arms nearly entire, imbedded.
" "	As <i>Mariacrinus nobilissimus</i> . Several detached arms showing tentacula very perfectly.
Waldron, Ind.	An entire calyx without arms. Referred to <i>Mariacrinus</i> (emend.) by Wachsmuth & Springer.
Schoharie, N. Y.	As <i>Mariacrinus pachydactylus</i> . The arms of a large individual.
Lockport, N. Y.	As <i>Melocrinites sculptus</i> . Large individual, imbedded.
" "	" " " Base imbedded so as to show the interior.
Racine, Wis.	Internal cast of a calyx. Probably = <i>M. levis</i> Roemer, according to Wachsmuth & Springer.
Lockport, N. Y.	A coiled fragment of stem.
" "	Two short fragments of columns.
" "	Two fragments of columns.
.....	See <i>Cordylocrinus parvus</i> .
.....	" " <i>plumulosus</i> .
.....	" <i>Marsupiocrinus tentaculatus</i> .
.....	See <i>Lyriocrinus melissa</i> .
.....	As <i>Crinocystites</i> ? <i>rectus</i> .
Racine, Wis.	Imperfect internal cast of a calyx.

Subkingdom ECHINODERMATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Niag.	1892	Type.	Saccocrinus Hall.					
			Christyi.....Hall.	T. A. I.	4	196	...	.....
	2028	"	semiradiatus.....Hall.	N. Y. S. M.	28	127	I3	I2-20
				"	20	379	10	I
"	1702	Fig'd.	Stephanocrinus Conrad.					
			angulatus (Con.)...Hall.	Pal. N. Y.	2	212	48	Ia
			"	"	2	212	48	Ib-m
	1704	Type.	W. & S.	M. M. C. Z.	20	....	8	I2, I3
"			gemmiformis.....Hall.	Pal. N. Y.	2	215	48	2a-f
	1905	"	"	N. Y. S. M.	28	146	14	I5-20
			Thysanocrinus Hall.					
	1726	"	aculeatus.....Hall.	Pal. N. Y.	2	190	42	3a-c
	1724	"	canaliculatus.....Hall.	"	2	189	42	2c, enl.
	1725	"	immaturus.....Hall.	"	2	191	42	4a-f
	1723	Gen. and Sp. Type.	lilliformis.....Hall.	"	2	188	42	Id, enl.
Cl.	1479	Fig'd.	Genus? species?....Hall.	"	2	181	A41	6a-c
	1478	"	"	"	2	182	A41	7c
Niag.	1727	"	Columns of crinoids..Hall.	Geol. N. Y.	4th D.	90	ct. 26	I
		"	"	Pal. N. Y.	2	230	44	3a-d, 6a-c
		"	"	"	2	230	44	4a, b
		"	"	"	2	230	44	7a-c
		"	"	"	2	230	44	8
		"	"	"	2	230	44	9a-c
		"	"	"	2	231	45	4a-d, 6a-c
		"	"	"	2	231	45	10a, b
L. H.	2201	"	"	"	3	125	3A	3, 5, 7, 13, 14
		"	"	"	3	125	6	7-10
Niag.	1727	"	Plates of crinoids.....Hall.	"	2	230	49a	5-7

Class CYSTOIDEA.

L. H.	2288	Gen. and Sp. Type.	Anomalocystites Hall.	Pal. N. Y.	3	133	7A	5-7a
			cornutus.....Hall.					
Niag.	1699	Type.	Apiocystites Forbes.	"	2	243	5I	3
	2025	"	elegans.....Hall.	"				
			imago.....Hall.	N. Y. S. M.	20	314	I2	I2
							12a	9
	1698	Gen. and Sp. Type.	Callocystites Hall.	Pal. N. Y.	2	239	50	I7, I8
			Jewetti.....Hall.					
	1702	Fig'd.	Caryocrinus Say.	Geol. N. Y.	4th D.	112	p. III	I, 2
			ornatus (Say)....Hall.	Pal. N. Y.	2	216	49	Ib, c
		"	"	"	2	216	49	Ia, d-g, z
		"	"	"	2	216	49	Ih
		"	"	"	2	216	49	Ii
		"	"	"	2	216	49	int, o, s-t
		"	"	"	2	216	49	Iu
		"	"	"	2	216	49	Iv
	1702	"	"	"	2	216	49a	If
			"	N. Y. S. M.	20	....	II	I7

Class CRINOIDEA—Continued.

LOCALITY.	REMARKS.
..... Waldron, Ind. Racine, Wis.	As <i>Actinocrinus Christyi</i> . Five armless calyces. As <i>Actinoc. (Saccocrinus) semiradiatus</i> . Half of an internal cast of medium size.
Lockport, N. Y.	Medium-sized individual with stem, imbedded.
" "	Ten more or less entire calyces. Originals of figs. 1f, i of Hall are those redrawn by W. & S. Fig. 13 is an enl. to two diameters.
" "	Two calyces without arms.
Waldron, Ind.	" " " "
Lockport, N. Y.	Part of the arms of a large individual.
" "	Small fragment of an arm.
" "	An incomplete calyx.
" "	Small fragment of an arm.
Ontario, N. Y.	Tentaculate arms, imbedded.
Mohawk, N. Y.	A thick column-disc in iron ore. From Steel's Creek.
Lockport, N. Y.	Weathered slab showing many fragments of columns.
" "	Three fragments.
" "	Small, coiled stem, imbedded.
" "	Base, with beginnings of rootlets.
" "	Base, with many rootlets, imbedded.
" "	Base, with rootlets, small.
" "	Two fragments.
" "	Base, with rootlets, rather large.
Schoharie, N. Y.	Five fragments and discs of columns.
Near Schoharie, N. Y.	Four blocks bearing nodose columns.
Lockport, N. Y.	Two heptagonal and one hexagonal plate, the last is imbedded.
Litchfield, N. Y.	Two individuals imbedded with two others. Probably a crustacean.
Lockport, N. Y.	A small, somewhat crushed individual. Some of the other figures may also have been made from it.
Racine, Wis.	A nearly entire body.
Lockport, N. Y.	Small fragment of stem.
" "	A large body which is poorly represented by the figures.
" "	Five bodies of different sizes and showing some variation in shape.
" "	A small body with parts of three arms attached.
" "	Fragments of arms of a large individual, imbedded.
" "	Three body plates.
" "	Part of a body imbedded so as to show its interior.
" "	A body of medium size.
" "	A globular body.
Racine, Wis.	A nearly entire internal cast of a body.

Class CYSTOIDEA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Caryocystites Von Buch. <i>alternatus</i> <i>cylindricus</i>					
Niag.	2033 1	Gen. and Sp. Type.	Crinocystites Hall. <i>chrysalis</i>.....Hall. <i>rectus</i>	N. Y. S. M.	20	318	12a	10, 11
"	2024	Gen. and Sp. Type.	Echinocystites Hall. <i>nodosus</i>.....Hall.	N. Y. S. M.	20	316	12	10, 11
"	2026	Type.	Gomphocystites Hall. <i>glans</i>.....Hall.	" "	20	310	12 12a	14 4
"	1700	Gen. and Sp. Type.	<i>tenax</i>.....Hall.	" "	20	310	12 12a	15, <i>enl.</i> 1, 2
"	2027	Type.	Hemicosmites Von Buch. <i>subglobosus</i>.....Hall.	" "	20	316	12	13
"	1697	Gen. and Sp. Type.	Hemicystites Hall. <i>parasiticus</i>.....Hall.	Pal. N. Y.	2	246	51	18-20
"	2016	Type.	Holocystites Hall. <i>abnormis</i>.....Hall.	N. Y. S. M.	20	312	12	7, 8
"	2020	"	<i>alternatus</i>.....Hall.	Geol. Wis.	1861	23	.....	.....
			"	"	1	69	ct. 16	2
			"	N. Y. S. M.	20	312	12	9
"	2018 2	Gen. and Sp. Type.	<i>cylindricus</i>.....Hall.	Geol. Wis.	1861	23	.....	.....
			"	"	1	69	ct. 16	1
"	2018 1	"	"	N. Y. S. M.	20	311	12	4
"	2021	Type.	<i>ovatus</i>.....Hall.	"	20	313	12	2
"	2018 1	"	<i>scutellatus</i>.....Hall.	"	20	314	12	1
"	2017	"	<i>Winchelli</i>.....Hall.	"	20	313	12	3
L. H.	2288	Fig'd.	Lepadocrinus Conrad. <i>Gebhardi</i> (Con.)....Hall.	Pal. N. Y.	3	127	7	5
"	"	"	"	"	3	127	7	6
"	"	"	"	"	3	127	7	10, 11
"	"	"	"	"	3	127	7	15, 16, 20-22
"	2287	Gen. and Sp. Type.	Sphaerocystites Hall. <i>multifasciatus</i>.....Hall.	"	3	130	7A	1-4a
Niag.	1701	Fig'd.	Fragments of cystoids.Hall.	"	2	242	50	19-28

Class ASTEROIDEA.

L. H.	2302	Type.	Protaster Forbes. <i>Forbesi</i>Hall.	N. Y. S. M.	20	293	9	5, 6
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LOCALITY.	REMARKS.
.....	See <i>Holocystites alternatus</i> . " " <i>cylindricus</i> .
Racine, Wis.	Nearly entire internal cast. See <i>Rhodocrinus rectus</i> .
Racine, Wis.	Internal cast of medium size.
" "	Cast of a large body.
Wolcott, N. Y.	Upper part of a small body. Enlarged to two diameters in figures.
Racine, Wis.	An imperfect cast.
Lockport, N. Y.	Part of the individual has been broken off and lost.
Racine, Wis.	Two strongly marked casts. As <i>Caryocystites alternatus</i> . " " "
Racine, Wis.	Large, strongly marked internal cast. As <i>Caryocystites cylindricus</i> . " " "
Grafton, Wis.	Large and well preserved internal cast.
Waukesha, Wis.	Two smaller, well preserved internal casts.
" "	Large internal cast.
" "	Internal cast, imperfect at base and summit.
Schoharie, N. Y.	A weathered and crushed indiv. preserving whole length of column.
" "	Imbedded; preserves column; somewhat crushed.
" "	A small, crushed body and a large pectinated rhomb.
" "	Parts of a large and two small columns.
Cumberland, Md.	Large, silicified body.
Lockport, N. Y.	Three fragmentary columns and two body plates.
Litchfield, N. Y.	Nearly entire, imbedded.

MOLLUSCOIDEA.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Niag. L. H.	1742 2305	Type.	Callopora Hall.					
			aspera Hall.	Pal. N. Y.	2	147	40	4a-i
			cellulosa..... Hall.	N. Y. S. M.	32	154		
			" " " "	St. G. N. Y.	2	....	12	8, 9
			H. & S.	Pal. N. Y.	6	21	12	8, 9
			" " " "	" " " "			23A	6, enl.
			" " " "	N. Y. S. M.	32	154	....	....
			" " " "	St. G. N. Y.	2	....	12	1-3, 6
Niag. " "	1746 " "	Gen. and Sp. Type.	H. & S.	Pal. N. Y.	6	21	12	1-3, 6
			elegantula Hall.	" " "	2	144	40	1a, b
			" " " "	" " "	2	144	40	1c-n
			" " " "	" " " "			40A	14, enl.
	1924	Type.	exsul..... Hall.	N. Y. S. M.	28, 1st ed.	....	9	3, 4
			" " " "	" " " "	28, 2d ed.	115	9	3, 4
Niag. " "	1744 1745	Type.	fistulosa.....					
			florida..... Hall.	Pal. N. Y.	2	146	40	2a-f
			laminata Hall.	" " "	2	146	40	3a-e
			macropora " "					
Niag. L. H.	1743 2306	Type.	var. signata..					
			maculosa.....					
			nummiformis Hall.	Pal. N. Y.	2	148	40	5a, b
			parasitica " "					
			perelegans Hall.	N. Y. S. M.	26	102		
			" " " "	St. G. N. Y.	2	....	12	14
			H. & S.	Pal. N. Y.	6	22	12	14
Niag. " "	1925		singularis..... Hall.	N. Y. S. M.	28	115	10	1, 2
			unispina " "					
Niag. " "	1705	Fig'd.	venusta " "					
			sp.? Hall.	Pal. N. Y.	2	....	40	6a, b
L. H.	2309	Gen. and Sp. Type.	Callotrypa Hall.					
			macropora..... Hall.	N. Y. S. M.	26	101		
			" " " "	St. G. N. Y.	2	....	11	25, 26
			H. & S.	Pal. N. Y.	6	24	11	25, 26
			" " " "	" " " "			23	17, enl.
			" " " "	St. G. N. Y.	2	....	11	27
			H. & S.	Pal. N. Y.	6	24	11	27
			" " " "	" " " "	6	24	23	16, enl.
			" " " "	" " " "	6	24	23	18, "
			" " " "	" " " "	6	24	23	19, "
	2310	Type.	" var. signata. Hall.	N. Y. S. M.	26	104		
			" " " "	" " " "	32	153		
			" " " "	St. G. N. Y.	2	....	11	30, 31
			H. & S.	Pal. N. Y.	6	25	11	30, 31
			" " " "	" " " "				
			" " " "	" " " "				
	2312		unispina..... Hall.	N. Y. S. M.	26	102	....	....
			" " " "	St. G. N. Y.	2	....	11	35-37
			H. & S.	Pal. N. Y.	6	26	11	35-37
Niag. " "	1912		Ceramopora Hall.					
			agellus..... Hall.	N. Y. S. M.	28	120	8	6, enl. x4
	1911		confluens... Hall.	" " "	28	119	8	4, 5

Class POLYZOA.

LOCALITY.	REMARKS.
Lockport, N. Y.	Four fragments.
Clarksville, N. Y.	An irregular branch, imbedded.
.....	As type of <i>C. fistulosa</i> Hall.
Clarksville, N. Y.	Three fragments imbedded in two blocks.
Lockport, N. Y.	Large, branching individual, imbedded.
" "	Five fragments.
.....	As <i>Alveolites exsul</i> .
Waldron, Ind.	A fragment imbedded with type of <i>Trematopora osculum</i> , figs. 13, 14 of pl. 10.
Lockport, N. Y.	See <i>C. cellulosa</i> .
.....	Three small masses.
.....	Two small, irregular fragments.
.....	See <i>Callotrypa macropora</i> .
.....	" " var. <i>signata</i> .
Lockport, N. Y.	" " <i>maculosa</i> .
.....	Small, lenticular mass.
.....	See <i>Calocaulis mediopora</i> .
Clarksville, N. Y.	Short fragment imbedded with type of <i>Trematopora? corticosa</i> , figs. 1-3, pl. 10.
Waldron, Ind.	Branching fragment, imbedded.
.....	See <i>Callotrypa unispina</i> .
.....	" <i>Calocaulis venusta</i> .
Lockport, N. Y.	Branching stem imb. w. type of <i>Homocrinus parvus</i> , fig. 1b, pl. 41.
.....	Defined as a subgenus of <i>Callopora</i> .
.....	As <i>Callopora macropora</i> .
.....	" " "
Nr. Clarksville, N. Y.	Imbedded with <i>C. macropora</i> var. <i>signata</i> , figs. 30, 31, pl. 11 and <i>Ptilodictya tenuis</i> , fig. 15, pl. 23A.
.....	As <i>Callopora macropora</i> .
Nr. Clarksville, N. Y.	Long branching fragment imbedded with other types. Formation and locality incorrect in explanation of plate.
" " "	Short fragment showing cells without elevated margins, imbedded.
" " "	Small fragment imbedded with other types.
" " "	Imbedded with type of <i>Fenestella asyle</i> , fig. 13, pl. 19.
.....	As type of <i>Trematopora signata</i> Hall.
.....	" <i>Callopora macropora</i> , var. <i>signata</i> .
.....	" " "
Nr. Clarksville, N. Y.	A small branching colony imbedded in block with <i>C. macropora</i> , figs. 25, 26, pl. 11 and <i>Ptilodictya tenuis</i> , fig. 15, pl. 23A.
.....	As <i>Callopora unispina</i> .
.....	" " "
Clarksville, N. Y.	A detached, branching colony.
Waldron, Ind.	Small colony on a <i>Platystoma</i> with <i>C. labecula</i> and <i>Paleschara maculata</i> , figs. 3 and 11-13, pl. 8.
" "	On a <i>Platystoma niagarensis</i> .

MOLLUSCOIDEA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Ceramopora Hall—Cont.					
			<i>foliacea</i> .....	.....	.....	.....	.....	.....
Niag.	1737	Gen. and Sp. Type.	<i>imbricata</i> Hall.	Pal. N. Y.	2	169	40E	1a-f
"	"	"	"	" "	2	169	40E	1h, i
"	1968	Type.	<i>labecula</i> Hall.	N. Y. S. M.	28	119	8	1, enl. X 6
"	"	"	"	" "	28	119	8	2, " "
"	"	"	"	" "	28	119	8	3, " "
			(<i>Berenicea</i>).					
L. H.	2322	"	<i>maxima</i> Hall.	" "	26	109		
			"	St. G. N. Y.	2	....	16	I2
			H. & S.	Pal. N. Y.	6	34	16	I2
			Clathropora Hall.					
Niag.	1735	Gen. and Sp. Type.	<i>alcicornis</i> Hall.	Pal. N. Y.	2	159	40B	4a-c
"	1734	Type.	<i>frondosa</i> Hall.	" "	2	160	40B	5a-e
			Coelocaulis Hall.					
L. H.	2311	"	<i>mediopora</i> Hall.	N. Y. S. M.	32	157	....	....
			"	St. G. N. Y.	2	....	14	18, enl.
			H. & S.	Pal. N. Y.	6	23	14	18, " "
"	2313	Gen. and Sp. Type.	<i>venusta</i> Hall.	N. Y. S. M.	26	101	....	11, 12
			H. & S.	Pal. N. Y.	6	23	23A	5, enl.
			Diamesopora Hall.					
Niag.	1760	Gen. and Sp. Type.	<i>dichotoma</i> Hall.	" "	2	158	40B	3a-d
			Escharopora Hall.					
			<i>livata</i> .....	.....	.....	.....	.....	.....
			<i>tenuis</i> .....	.....	.....	.....	.....	.....
			Fenestella Lonsdale.					
"	1908	Type.	<i>acmea</i> Hall.	N. Y. S. M.	28	124	12	10-13
"	"	"	"	" "	28	124	12	14, enl.
L. H.	2323	"	<i>æsyale</i> Hall.	" "	32	166	....	....
			"	St. G. N. Y.	2	....	19	11, 12
"	2323	"	H. & S.	Pal. N. Y.	6	46	19	11, 12
"	2323	"	"	St. G. N. Y.	2	....	19	13, enl.
"	"	"	H. & S.	Pal. N. Y.	6	46	19	13, " "
			<i>ambigua</i> .....	.....	.....	.....	.....	.....
			<i>compacta</i> .....	.....	.....	.....	.....	.....
L. H.	2324	Type.	<i>crebripora</i> Hall.	N. Y. S. M.	26	95	....	....
			"	St. G. N. Y.	2	....	20	1, 3
			H. & S.	Pal. N. Y.	6	43	20	1, 3
Niag.	1730	"	<i>cribrosa</i> Hall.	" "	2	166	40D	3a, b
"	1729	"	<i>elegans</i> Hall.	" "	2	164	40D	1a-c
"	"	"	"	" "	2	164	40D	1f, g
L. H.	2326	"	<i>idalia</i> Hall.	N. Y. S. M.	26	95	....	....
			"	St. G. N. Y.	2	....	21	9, enl.
			H. & S.	Pal. N. Y.	6	52	21	9, " "
			<i>idothea</i> .....	.....	.....	.....	.....	.....
			<i>nervia</i> .....	.....	.....	.....	.....	.....
Niag.	1906	Type.	<i>parvulipora</i> Hall.	N. Y. S. M.	28	123	12	1, 2
"	"	"	"	" "	28	123	12	3-6
"	"	"	"	" "	28	123	12	7-9

Class POLYZOA—Continued.

LOCALITY.	REMARKS.
.....	See <i>Lichenalia concentrica</i> .
Lockport, N. Y.	Two disc-shaped individuals.
“ “	Large compressed individual, weathered, imbedded.
Waldron, Ind.	On a type of <i>Fenestella parvulipora</i> , fig. 1, pl. 12.
“ “	Two colonies on <i>F. parvulipora</i> , fig. 3, pl. 12.
“ “	A young colony on a <i>Platystoma</i> with <i>Ceramopora agellus</i> and <i>Paleschara maculata</i> , figs. 6 and 11-13, pl. 8.
Nr. Clarksville, N. Y.	Rather large. Imbedded with <i>Fenestella idalia</i> , fig. 9, pl. 21.
Lockport, N. Y.	Branching frond, imbedded.
“ “	A large frond and a small fragment; each imbedded.
.....	Defined as a subgenus of <i>Callopora</i> .
.....	As a type of <i>Callopora parasitica</i> .
.....	“ “ “ “
Clarksville, N. Y.	Two fragments imbedded with types of other species.
.....	As <i>Callopora venusta</i> .
Clarksville, N. Y.	Small fragment imbedded with types of other species.
Lockport, N. Y.	Two branching stems, one showing longitudinal section.
.....	Synonym of <i>Ptilodictya</i> .
.....	See <i>Ptilodictya lirata</i> and <i>Rhinidictya? granulosa</i> .
.....	See <i>Ptilodictya tenuis</i> .
Waldron, Ind.	Two fragments showing poriferous side, imbedded,
“ “	Small, very perfect fragment imbedded with types of other species.
New Salem, N. Y.	Shows non-poriferous side; only a part of frond was figured.
Clarksville, N. Y.	Frond imbedded with type of <i>Callopora macropora</i> , fig. 19, pl. 23.
.....	See <i>Loculipora ambigua</i> .
.....	“ <i>Polypora compacta</i> .
Clarksville, N. Y.	Imbedded with types of other species.
Lockport, N. Y.	Fragment in block with types of other species.
“ “	“ “ “ “
“ “	Fragment imbedded with many others.
Nr. Clarksville, N. Y.	Shows non-poriferous side; imbedded with type of <i>Ceramopora maxima</i> , fig. 12, pl. 16.
.....	See <i>Polypora idothea</i> .
.....	“ <i>compacta</i> .
Waldron, Ind.	Bears type of <i>Ceramopora labecula</i> , fig. 1, pl. 8.
“ “	Very well preserved. Bears type of <i>Lichenalia concentrica</i> , figs. 4, 5, pl. 7 and <i>Ceramopora labecula</i> , fig. 2, pl. 8.
“ “	A large fragment and a large cup-shaped frond.

MOLLUSCOIDEA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Fenestella Lonsd.—Cont.					
			<i>præcursor</i>					
Cl.	1489	Fig'd.	<i>prisca</i> (Lonsd.)?...Hall.	Pal. N. Y.	2	50	19	4a, b
"	1489	"	"	"	2	50	19	4c-e
Niag.	1009	Type.	<i>punctostriata</i>.....Hall.	N. Y. S. M.	28	125	12	15, 16
L. H.	2327	"	<i>sylvia</i>.....Hall.	"	26	96		
"	"	"	<i>H. & S.</i>	St. G. N. Y.	2	....	20	4-6
"	"	"	"	Pal. N. Y.	6	49	20	4-6
"	"	"	"	St. G. N. Y.	2	....	20	7, enl.
"	"	"	<i>H. & S.</i>	Pal. N. Y.	6	49	20	7, "
Niag.	1728	"	<i>tenuiceps</i>.....Hall.	"	2	165	40D	2a-c
"	"	"	"	"	2	165	40D	2d, e
"	"	"	"	"	2	165	40D	2f, g
Cl.	1488	"	<i>tenuis</i>.....Hall.	"	2	51	19	5a
"	"	"	<i>sp.</i>	"	2	166	40D	4
			Helopora Hall.					
"	1808	Gen. and Sp. Type.	<i>fragilis</i>.....Hall.	"	2	44	18	3a
"	1808	"	"	"	2	44	18	3b, d
"	"	"	"	"	2	44	18	3c
			Hemitrypa Phillips.					
			<i>dubia</i>					
			<i>nervia</i>					
			Hornera Lamouroux.					
			<i>dichotoma</i>					
			Ichthyorhachis McCoy.					
L. H.	2336	Type.	<i>neris</i>.....Hall.	N. Y. S. M.	26	98		
"	"	"	"	St. G. N. Y.	2	....	22	19-21
"	"	"	<i>H. & S.</i>	Pal. N. Y.	6	66	22	19-21
			Lichenalia Hall.					
Niag.	1487	Gen. and Sp. Type.	<i>concentrica</i>.....Hall.	"	2	171	37A	2a, b
"	1487	"	"	"	2	171	40E	5a, b
"	1487	"	"	"	2	171	40E	5c, g
"	1487	Type.	"	N. Y. S. M.	28	116	5	9, 13
"	"	"	"	"	28	116	5	10, 11
"	"	"	"	"	28	116	5	12, 14
"	"	"	"	"	28	116	5	15, 17
"	"	"	"	"	28	116	5	16
"	"	"	"	"	28	116	6	1, 2
"	"	"	"	"	28	116	6	4
"	"	"	"	"	28	116	6	7
"	"	"	"	"	28	116	6	8, 10
"	"	"	"	"	28	116	7	10, enl.
"	"	"	"	"	28	116	6	9
"	"	"	"	"	28	116	7	9, enl.
"	"	"	"	"	28	116	7	3, "
"	"	"	"	"	28	116	7	4, 5
"	"	"	"	"	28	116	7	6, enl.
"	"	"	"	"	28	116	7	8, "
"	"	"	"	"	28	116	7	11, enl. X 3
"	1487	Fig'd.	"	Geol. N. Y.	4th D.	109	ct. 38	3
"	1487	"	"	Pal. N. Y.	2	170	40E	3a-c

Class POLYZOA—Continued.

LOCALITY.	REMARKS.
..... Flamboro' Hd., Ont. Wolcott, N. Y. Waldron, Ind.	See <i>Unitrypa præcursor</i> . Base of cup-shaped frond, imbedded. Two specimens which were referred to these figs. by Prof. Hall. Small fragment showing non-poriferous side.
Nr. Clarksville, N. Y.	Large frond showing non-poriferous side.
" " " Lockport, N. Y.	Part of a frond showing poriferous side. Large, cyathiform individual, crushed, imbedded.
" " " Wayne Co., N. Y.	Small fragment broken off near base. Imbedded with a type of <i>Polypora incepta</i> , fig. 2f, same plate. Somewhat weathered fragment, imbedded. It is doubtful whether the enlargements were made from this specimen or not. See <i>Thamniscus niagarensis</i> .
Wayne Co., N. Y.	Small fragment, imbedded. From "Hill's Mill."
Flamboro' Hd., Ont. " " "	Branch imbedded with type of <i>Stictopora raripora</i> , fig. 5b, pl. 18. Imbedded.
.....	See <i>Loculipora ambigua</i> .
.....	" <i>Polypora compacta</i> .
.....	See <i>Stictopora dichotoma</i> .
Near Schoharie, N. Y.	Two fragments imbedded in same block.
Lockport, N. Y.	A large, nearly perfect frond, imbedded.
Rochester, N. Y.	Two fronds, imbedded.
Lockport, N. Y.	Considerable fragment of a very large frond, imbedded.
Waldron, Ind.	Small fragment, imbedded with types of <i>Trematopora osculum</i> , figs. 11, 12, pl. 10, and <i>T. echinata</i> , fig. 4, pl. 11.
" "	Inrolled specimen; broken across to show structure.
" "	Large, irregular frond, imbedded.
" "	Small fragment on a <i>Strophostylus</i> with <i>L. concentrica</i> , var. <i>parvula</i> , pl. 7, figs. 1, 2.
" "	Four very small colonies on a <i>Strophostylus</i> .
" "	Small; shows both surfaces.
" "	Large, well preserved colony, imbedded.
" "	Two young colonies on a <i>Fenestella</i> , imbedded with other types.
" "	Two colonies imbedded in the same block.
" "	Rather small, symmetrical colony, imbedded.
" "	A young colony on an <i>Atrypa</i> , imbedded.
" "	Young colonies on <i>Fenestella parvulipora</i> , fig. 3, pl. 12.
" "	Two young colonies on a <i>Strophostylus</i> .
" "	Small fragment imbedded so as to show cellules.
" "	Shows cross section.
Rochester, N. Y.	As type of <i>Orbicula corrugata</i> Hall. Imbedded.
Lockport, N. Y.	" " <i>Ceramopora foliacea</i> Hall. "

MOLLUSCOIDEA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Lichenalia Hall—Cont.					
Niag.	1487	Type.	concentrica, var. maculata H.	N. Y. S. M.	28	117	6	3, 5, 6
"	"	"	" parvula H.	" "	28	117	7	1, 2
L. H.	2342	"	maculosa.....Hall.	" "	26	106	.....	.....
			"	" "	32	156	.....	.....
			"	St. G. N. Y.	2	.....	14	2
			H. & S.	Pal. N. Y.	6	30	14	2
			Loculipora Hall.					
Niag.	1907	"	ambigua.....Hall.	N. Y. S. M.	28, 2d ed.	123	11	17-21
			"	" "	28, 1st ed.	.....	11	17-21
			Orthopora Hall.					
L. H.	2317	"	parallela.....Hall.	N. Y. S. M.	32	152	.....	.....
			"	St. G. N. Y.	2	.....	11	13, 14
			H. & S.	Pal. N. Y.	6	19	11	13, 14
"	2318	Gen. and Sp. Type.	regularis.....Hall.	N. Y. S. M.	26	106	.....	.....
			"	St. G. N. Y.	2	.....	11	1
			H. & S.	Pal. N. Y.	6	16	11	1
			Paleschara Hall.					
			aspera.....	.....	.....	.....	.....	.....
			bifoliata.....	.....	.....	.....	.....	.....
			foliata.....	.....	.....	.....	.....	.....
Niag.	1913	Type.	maculata.....Hall.	N. Y. S. M.	28	121	8	9, 10
"	"	"	"	" "	28, 1st ed.	.....	8	11-13
			"	" "	28, 2d ed.	121	8	11-13
"	1918	"	offula.....Hall.	" "	28	120	8	7, 8
"	1914	"	?sphaerion.....Hall.	" "	28	121	8	14, 15
			Phænopora Hall.					
Cl.	1425	"	constellata.....Hall.	Pal. N. Y.	2	47	18	7b, e
"	"	"	"	" "	2	47	18	7c, d
			ensiformis.....	.....	.....	.....	.....	.....
Cl.	1490	Gen. and Sp. Type.	explanata.....Hall.	Pal. N. Y.	2	46	18	6a, e
"	"	"	"	" "	2	46	18	6d, n.s.
			Polypora McCoy.					
L. H.	2328	Type.	compacta.....Hall.	N. Y. S. M.	32	163	.....	.....
			"	St. G. N. Y.	2	.....	18	1, 2
			H. & S.	Pal. N. Y.	6	63	18	1, 2
"	"	"	"	Hall.	N. Y. S. M.	26	93	.....
			"	St. G. N. Y.	2	.....	22	5
			H. & S.	Pal. N. Y.	6	63	22	5
			compacta.....	" "	6	.....	22	4
			elegans.....	.....	.....	.....	.....	.....
L. H.	2329	Type.	idothea.....Hall.	N. Y. S. M.	32	166	.....	.....
			"	" "	26	97	.....	.....
			"	St. G. N. Y.	2	.....	19	14, 15
			H. & S.	Pal. N. Y.	6	60	19	14, 15
Niag.	1731	"	incepta.....Hall.	" "	2	167	40D	2f
"	"	"	"	" "	2	167	40D	5a, b
"	"	"	"	" "	2	167	40D	5c-f

Class POLYZOA—Continued.

LOCALITY.	REMARKS.
Waldron, Ind.	A colony of medium size and a small irregular fragment.
"	On a <i>Strophostylus</i> with <i>L. concentrica</i> , figs. 15, 17, pl. 5.
"	As <i>Trematopora maculosa</i> .
"	" <i>Callopora maculosa</i> .
Catskill Creek, N. Y.	A weathered colony, conical in form.
"	As <i>Fenestella ambigua</i> .
Waldron, Ind.	As a type of <i>Hemitrypa dubia</i> Hall. Two fragments, imbedded.
"	Defined as a subgenus of <i>Trematopora</i> .
"	As <i>Trematopora parallela</i> .
"	" (?) "
Clarksville, N. Y.	A short branch, imbedded.
"	As <i>Trematopora regularis</i> .
"	" " "
Clarksville, N. Y.	A group of branches, imbedded.
"	See <i>Paleschara maculata</i> .
"	" <i>Ptilodictya nebulosa</i> .
"	" " "
Waldron, Ind.	Encrusts a cylindrical foreign body.
"	As a type of <i>Paleschara</i> (?) <i>aspera</i> Hall.
Waldron, Ind.	Encrusting a <i>Platystoma</i> which also bears <i>Ceramopora labecula</i> and <i>C. agellus</i> , figs. 3 and 6, pl. 8.
"	Small fragment imbedded with types of other species.
"	As <i>Paleschara</i> ? (<i>Chaetetes</i> ?) <i>sphaerion</i> in the second edition of the report. A small, spherical colony.
Wayne Co., N. Y.	Exterior imprint in iron ore (hematite). Partly figured.
"	Ext. impr. of large stipe. Lettered incorrectly in expl. of plate.
"	See <i>Ptilodictya ensiformis</i> .
Flamboro' Hd., Ont.	A small fragment, imbedded.
"	Imbedded with types of <i>Subretepora angulata</i> , figs. 3e-h, pl. 19.
"	As <i>Fenestella compacta</i> .
"	" " "
Near Clarksville, N. Y.	Shows non-porif. side. Imb. w. <i>Unitrypa præcursor</i> , fig. 17, pl. 21.
"	As a type of <i>Fenestella nervia</i> .
"	" <i>Fenestella (Hemitrypa) nervia</i> ?
Near Clarksville, N. Y.	Shows non-porif. side. Fig. 4 of this pl. was made from same specimens as fig. 14, pl. 21, which is referred to <i>F. (Unitrypa) præcursor</i> .
"	See <i>Unitrypa præcursor</i> .
"	" <i>Polypora idothea</i> .
"	As <i>Fenestella idothea</i> .
"	" <i>Polypora elegans</i> ?
"	" <i>Fenestella idothea</i> .
Near Clarksville, N. Y.	Shows celluliferous face.
Lockport, N. Y.	Fragment imbedded with <i>Fenestella tenuiceps</i> , figs. 21-g, pl. 40D.
"	Shows non-poriferous surface.
"	Cup-shaped frond showing both surfaces.

MOLLUSCOIDEA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
L. H.	2330	Type.	Polypora McCoy—Cont.					
			lilæa Hall.	N. Y. S. M.	26	96	.....	.....
			“ Hall.	St. G. N. Y.	32	165	.....	.....
			“ H. & S.	Pal. N. Y.	2	18	19, 20	19, 20
			“ H. & S.	Pal. N. Y.	6	62	18	19, 20
Cl.	1498	“	Ptilodictya Lonsdale.					
			ensiformis Hall.	Pal. N. Y.	2	48	18	8a-c
L. H.	2339	“	lirata Hall.	N. Y. S. M.	26	100	.....	.....
			“ H. & S.	St. G. N. Y.	2	17	1, 2	1, 2
“	2340	“	nebulosa Hall.	Pal. N. Y.	6	38	17	1, 2
			“ Hall.	N. Y. S. M.	26	107	.....	.....
L. H.	2341	“	“ Hall.	“	32	162	.....	.....
			“ H. & S.	St. G. N. Y.	2	17	17, n.s.	17, n.s.
			tenuis Hall.	Pal. N. Y.	6	40	17	17, n.s.
			“ Hall.	N. Y. S. M.	26	99	.....	.....
			“ H. & S.	St. G. N. Y.	2	17	12, enl.	12, enl.
“	“	“	“ H. & S.	Pal. N. Y.	6	39	17	12, enl.
			“ Hall.	“	6	39	23A	15, enl.
			Retepora Lamarck.					
			angulata					
			asperato-striata					
			diffusa					
L. H.	2338	Type.	Rhinidictya Ulrich.					
			? granulosa H. & S.	Pal. N. Y.	6	40	17	5, 6
			“ Hall.	St. G. N. Y.	2	17	5, 6	5, 6
Niag.	1739	“	Rhinopora Hall.					
			tuberculosa Hall.	Pal. N. Y.	2	170	40E	4a, b
Cl.	1493	“	tubulosa Hall.	“	2	49	19	2a-c
“	1492	Gen. and	verrucosa Hall.	“	2	48	19	1a
“	1492	Sp. Type.	“ Hall.	“	2	48	19	1b, c
Niag.	1910	Type.	Sagenella Hall.					
			elegans Hall.	N. Y. S. M.	28	118	7	12, 13
“	1740	Gen. and	membranacea Hall.	Pal. N. Y.	2	172	40E	6a, b
Cl.	1502	Type.	Stictopora Hall.					
			crassa Hall.	Pal. N. Y.	2	45	18	4b, c
Niag.	1741	“	dichotoma Hall.	“	2	163	40C	3a, b
“	1759	“	punctipora Hall.	“	2	157	40B	2a-c
Cl.	1503	“	raripora Hall.	“	2	46	18	5a, c
“	“	“	“ Hall.	“	2	46	18	5b
Niag.	1926	“	similis Hall.	N. Y. S. M.	28	122	11	13-16
Cl.	1491	“	Sub-retepora d'Orbigny.					
			angulata Hall.	Pal. N. Y.	2	49	19	3a-d
“	1491	“	“ Hall.	“	2	49	22	3e-h
Niag.	1732	“	asperato-striata Hall.	“	2	161	40C	2a, c-h
			“ Hall.	“	2	161	40C	2b

Class POLYZOA—Continued.

LOCALITY.	REMARKS.
.....	Specific name spelled <i>lilia</i> . As <i>Fenestella</i> (<i>Polypora</i>) <i>lilæa</i> .
Nr. Clarksville, N. Y.	Shows celluliferous face.
Flamboro' Hd., Ont.	As <i>Phanopora ensiformis</i> . Two blocks showing specimens figured and many others. As <i>Escharopora lirata</i> . " <i>E. (Ptilodictya)</i> "
Nr. Clarksville, N. Y.	Base of a colony, imbedded. See also <i>Rhinidictya granulosa</i> . As <i>Paleschara bifoliata</i> . " <i>Escharopora</i> (?) <i>Paleschara</i> <i>bifoliata</i> . " <i>Paleschara foliata</i> (by error).
Schoharie, N. Y.	A large crushed and broken frond, imbedded. As <i>Escharopora tenuis</i> . " " "
Clarksville, N. Y.	Shows longitudinal section, imbedded.
" " "	Well preserved fragment imbedded with <i>Callotrypa macropora</i> , figs. 25, 26, pl. 11, and <i>C. macropora</i> var. <i>signata</i> , figs. 30, 31, pl. 11.
.....	See <i>Sub-retepora angulata</i> . " " " <i>asperato-striata</i> . " " " <i>Thamniscus diffusa</i> .
Clarksville, N. Y.	As <i>Escharopora (Ptilodictya) lirata</i> H. Frag. of stipe, imbedded.
Lockport, N. Y.	A small, well preserved fragment.
Flamboro' Hd., Ont.	A flattened, hollow fragment filled with shale.
" " "	Fragment of frond, somewhat weatherworn, imbedded.
Wayne Co., N. Y.	Fragment, imbedded. From " Hill's Mill."
Waldron, Ind.	On a cast of <i>Ambonychia acutirostra</i> .
Lockport, N. Y.	A large frond on a fragment of an orthoceras.
Flamboro' Hd., Ont.	Small fragment imbedded with <i>Stictopora raripora</i> , figs. 5a-c, pl. 18 and <i>Cornulites distans</i> , fig. 9b, pl. A41.
Lockport, N. Y.	As <i>Hornera</i> (?) <i>dichotoma</i> . The specimen wh. bears Prof. Hall's orig. ticket and ref. to these figs. is not like either description or figs., but is elliptical in section and poriferous on both sides.
" " "	Two stems imbedded. Same block has <i>Trematopora aspera</i> , figs. 10a, b, pl. 40A.
Flamboro' Hd., Ont.	Two small fragments imbedded with <i>Stictopora crassa</i> , figs. 4b, c, pl. 18 and <i>Cornulites distans</i> , fig. 9b, pl. A41.
" " "	Small fragment in block with <i>Helopora fragilis</i> , figs. 3b, d, pl. 18.
Waldron, Ind.	Two small, branching fragments; free.
Wayne Co., N. Y.	As <i>Retepora angulata</i> . Two large fragments, imbedded.
Flamboro' Hd., Ont.	" " " " Two small fragments, imbedded with <i>Phanopora explanata</i> , fig. 6d, pl. 18.
Lockport, N. Y.	As <i>Retepora asperato-striata</i> . Five fragm. showing the dif. features. " " " " Fragment imbedded with <i>Fenestella elegans</i> , figs. 1a-c and <i>F. cribrrosa</i> , figs. 3a, b, pl. 40D.

MOLLUSCOIDEA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Thamniscus King.					
L. H.	2334	Type.	? cisseis.....Hall.	N. Y. S. M.	32	176		
			".....H. & S.	St. G. N. Y.	2	....	22	24, 29
"	"	"	".....H. & S.	Pal. N. Y.	6	42	22	24, 29
"	"	"	".....Hall.	St. G. N. Y.	2	....	22	30, <i>enl.</i>
"	"	"	".....H. & S.	Pal. N. Y.	6	42	22	30, <i>enl.</i>
Niag.	1733	"	diffusus.....Hall.	"	2	160	40C	1a
"	"	"	"....."	Geol. N. Y.	4th D.	116	ct. 43	2, 3
"	"	"	"....."	Pal. N. Y.	2	160	40C	1b, c, e
"	1736	Type.	niagarensis.....Hall.	N. Y. S. M.	28	126	11	22-25
"	1736	Fig'd.	"....."	Pal. N. Y.	2	166	40D	4
L. H.	2335	Type.	variatus.....Hall.	N. Y. S. M.	32	175		
			".....H. & S.	St. G. N. Y.	2	....	22	44, <i>enl.</i>
			".....H. & S.	Pal. N. Y.	6	41	22	44, <i>enl.</i>
			Trematopora Hall.					
Niag.	1755	"	aspera.....Hall.	Pal. N. Y.	2	154	40A	10a, b
"	"	"	"....."	"	2	154	40A	10c (1st)
"	"	"	"....."	"	2	154	40A	10c (2d)
"	1756	"	coalescens.....Hall.	"	2	150	40A	2a, b
"	2320	"	? corticosa.....Hall.	N. Y. S. M.	26	105		
			"....."	"	32	149		
			".....H. & S.	St. G. N. Y.	2	....	10	1-3
			".....H. & S.	Pal. N. Y.	6	15	10	1-3
			<i>densa</i>					
Niag.	1915	Type.	echinata.....Hall.	N. Y. S. M.	28	112	11	1-5
"	1757	"	granulifera.....Hall.	Pal. N. Y.	2	154	40A	9a, b
"	"	"	"....."	"	2	154	40A	9c, d
"	"	"	"....."	"	2	154	40A	9e
"	1757	"	"....."	N. Y. S. M.	28	112	11	6, 7
"	1917	"	infrequens.....Hall.	"	28	111	10	3, 4
			<i>maculosa</i>					
Niag.	1919	Type.	minuta.....Hall.	N. Y. S. M.	28	113	11	8, <i>enl.</i> X 12
"	1916	"	osculum.....Hall.	"	28	110	10	11, 12
"	"	"	"....."	"	28	110	10	5-8
"	"	"	"....."	"	28	110	10	13, 14
"	1758	"	ostiolata.....Hall.	Pal. N. Y.	2	152	40A	5a
"	"	"	"....."	"	2	152	40A	5b-n
			<i>parallela</i>					
Niag.	1753	Type.	punctata.....Hall.	Pal. N. Y.	2	151	40A	4a-c
			<i>regularis</i>					
			<i>signata</i>					
Niag.	1749	Type.	solida.....Hall.	Pal. N. Y.	2	153	40A	6a-c
"	1752	"	sparsa.....Hall.	"	2	155	40A	12a, c
"	"	"	"....."	"	2	155	40A	12b, d
"	1921	"	spiculata.....Hall.	Cat. P. F.	1877	245		
			"....."	N. Y. S. M.	28, 1st ed.	....	11	11, 12
			"....."	"	28, 2d ed.	114	11	11, 12
"	1754	"	spinulosa.....Hall.	Pal. N. Y.	2	155	40A	11a, c
"	1750	"	striata.....Hall.	"	2	153	40A	7a-b†
"	"	"	"....."	"	2	153	40A	8a-b†
"	1916	"	subimbricata.....Hall.	T. A. I.	10	60		
			"....."	N. Y. S. M.	28, 1st ed.	....	10	9, 10
			"....."	"	28, 2d ed.	....	10	9, 10

Class POLYZOA—Continued.

LOCALITY.	REMARKS.
Nr. Clarksville, N. Y.	Several fragments imbedded together.
" " "	A short fragment, imbedded.
Lockport, N. Y.	As <i>Retepora diffusa</i> . A large frond, imbedded; shows striated side.
" " "	As a "Coral resembling <i>Isis</i> ."
Lockport, N. Y.	As <i>Retepora diffusa</i> . Part of a large, thick-stemmed frond, imbedded.
Waldron, Ind.	Three fronds, imbedded. Both surfaces are shown.
Lockport, N. Y.	As <i>Fenestella</i> sp. The base of a frond.
Clarksville, N. Y.	A branched fragment, imbedded.
Lockport, N. Y.	Short stem imbedded with <i>Stictopora punctipora</i> , figs. 2a-c, pl. 40B.
" " "	Small branched stem imbedded with <i>Trematopora granulifera</i> , figs.
" " "	9c, d, and <i>T. spinulosa</i> , figs. 11a, c, pl. 40A.
" " "	Imbedded with <i>T. granulifera</i> , fig. 9a, pl. 40A.
" " "	A small, irregular colony.
" " "	As <i>Chaetetes corticosus</i> .
" " "	" <i>Trematopora</i> (<i>Chaetetes</i>) <i>corticosus</i> ."
Clarksville, N. Y.	" <i>T. ?</i> (<i>Trematella</i> ?). Two branches imbedded with <i>Callopora perelegans</i> , fig. 14, pl. 12.
" " "	See <i>Monotrypella densa</i> .
Waldron, Ind.	Three fragments, imbedded separately.
Lockport, N. Y.	Imbedded with <i>Trematopora aspera</i> , fig. 10c (2d), pl. 40A.
" " "	" " " fig. 10c (1st), pl. 40A, and <i>T.</i>
" " "	<i>spinulosa</i> , fig. 11a, same plate.
" " "	Stem with several branches, imbedded. Series has two unfig'd types.
Waldron, Ind.	A branching fragment, imbedded.
" " "	Several fragments, imbedded with other species.
" " "	See <i>Lichenalia maculosa</i> .
Waldron, Ind.	As <i>Trematopora ?</i> (<i>Trachypora ?</i>) <i>minuta</i> in the 1st ed. of the report.
" " "	A short, tubular (?) fragment, compressed, imbedded.
" " "	Two small fragments imbedded together.
" " "	A straight, cylindrical fragment, imb. See also <i>T. subimbricata</i> .
Lockport, N. Y.	Small branched stem springing from around a crinoid column.
" " "	Seven simple and branching stems, imbedded and free.
" " "	See <i>Orthopora parallela</i> .
Lockport, N. Y.	Incrusts a crinoid column. Several unfigured types are in the series.
" " "	See <i>Orthopora regularis</i> .
" " "	" <i>Callotrypa signata</i> ."
Lockport, N. Y.	Two small, branching fragments.
" " "	A small, bifurcating stem, imbedded.
" " "	A weathered simple fragm., imbedded. Series has two unfigured types.
" " "	As <i>Trematopora spinulosa</i> Hall.
Waldron, Ind.	Long, branching stem, imbedded.
Lockport, N. Y.	A simple stem imbedded with <i>T. granulifera</i> and <i>T. aspera</i> , figs.
" " "	9c, d and 10c (1st), pl. 40A. See also <i>T. spiculata</i> .
" " "	Small, branching fragment.
" " "	Small, irregular mass.
" " "	As <i>T. osculum</i> Hall.
Waldron, Ind.	A large, branching fragment, imbedded.

MOLLUSCOIDEA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Trematopora Hall—Cont.					
Niag.	1747	Gen. and Sp. Type.	tuberculosa Hall.	Pal. N. Y.	2	149	40A	1a-g
"	1748	Type.	tubulosa Hall.	" "	2	151	40A	3a-c, e
"	1920	"	varia. Hall.	N. Y. S. M.	28	111	10	15-20
"	"	"	" Hall.	" "	28	111	10	21-23
"	1922	"	variolata..... Hall.	" "	28	113	11	9, 10
"	1751	Fig'd.	sp. Hall.	Pal. N. Y.	2	...	40A	13a, b
			Unitrypa Hall.					
			præcursor Hall.	N. Y. S. M.	26	94	...	.....
L. H.	2333	Type.	" Hall.	St. G. N. Y.	2	...	21	14, enl.
			H. & S.	Pal. N. Y.	6	54	22	4, n.s.
							21	14, enl.
							22	4, n.s.
"	"	"	" Hall.	St. G. N. Y.	2	....	21	17, enl.
			H. & S.	Pal. N. Y.	6	54	21	17, "

Class BRACHIOPODA

Amphistrophia Hall.								
Cl.	1518	Fig'd.	corrugata (Con.)... Hall.	Geol. N. Y.	4th D.	72	ct. 17	2
"	"	"	" " " "	Pal. N. Y.	2	59	21	2b, f
"	1518	"	" " " "	" "	2	59	21	2c
"	"	"	" " " "	" "	2	59	21	2d
"	"	"	" " " "	St. G. N. Y.	2	...	46	1
"	1518	"	" (Con.)... Hall.	Pal. N. Y.	8, pt. 1	...	15	1
"	"	"	" " " "	" "	2	59	21	2e
Niag.	1528	Gen. and Sp. Type.	striata Hall.	Pal. N. Y.	2	259	53	7
"	1528	"	" Hall.	N. Y. S. M.	28	152	23	1-3
"	"	"	" Hall.	St. G. N. Y.	2	...	43	1, d.v.
"	"	"	" Hall.	H. & C.	11	283	15	12, "
"	"	"	" Hall.	Pal. N. Y.	8, pt. 1	291	12	1, "
"	"	"	" Hall.	N. Y. S. M.	28	152	23	4, 6
"	"	"	" Hall.	St. G. N. Y.	2	...	43	3, enl.
"	"	"	" Hall.	H. & C.	11	283	15	14, "
"	"	"	" Hall.	Pal. N. Y.	8, pt. 1	291	12	3, "
"	"	"	" Hall.	N. Y. S. M.	28	152	23	5, int. v.v.
"	"	"	" Hall.	St. G. N. Y.	2	...	43	2, "
"	"	"	" Hall.	H. & C.	11	283	15	13, "
"	"	"	" Hall.	Pal. N. Y.	8, pt. 1	291	12	2, "
Anastrophia Hall.								
Niag.	1943	Type.	internascens Hall.	N. Y. S. M.	28, 2d ed.	168	26	41-49
"	"	"	" Hall.	" "	28, 1st ed.	...	26	41-49
L. H.	2427	Gen. and Sp. Type.	Verneuili Hall.	" "	10	104	...	...
"	"	"	" Hall.	Pal. N. Y.	3	260	48	1a-s
"	"	"	" Hall.	N. Y. S. M.	20	163	...	...
"	"	"	" Hall.	Pal. N. Y.	8, pt. 2	224	63	31, 32
"	"	"	" Hall.	" "	3	260	48	1t-x

Class POLYZOA—Continued.

LOCALITY.	REMARKS.
Lockport, N. Y.	Four branching fragments.
" "	Small fragment of a large stem.
Waldron, Ind.	Three rather small, irregular, branching fragments, imbedded.
" "	Large, irregular branching frond, imbedded.
" "	Small, branching fragment.
Lockport, N. Y.	Shows base of a branch.
.....	Defined as a subgenus of <i>Fenestella</i> .
.....	As <i>Fenestella præcursor</i> .
.....	" " " "
.....	" <i>F. (Polypora) compacta</i> Hall, by error.
Clarksville, N. Y.	As <i>F. (Polypora) compacta</i> Hall, by error. A frond imbedded with <i>Ptychonema helderbergia</i> , fig. 16, pl. 9.
.....	As <i>Fenestella præcursor</i> .
Clarksville, N. Y.	Shows non-celluliferous side. Imbedded with <i>Polypora compacta</i> , figs. 1, 2, pl. 18.
	N. B. Among the specimens from Waldron, Indiana, many of the blocks bear types of more than one species of polyzoan each. One block bears ten type specimens of seven species.
.....	Defined as a subgenus of <i>Strophonella</i> .
.....	As <i>Strophomena corrugata</i> .
Rochester, N. Y.	" <i>Leptæna corrugata</i> . Int. imprint ventral valve, w. some shell.
" "	" " " Exterior imprint of ventral valve.
.....	" " " "
.....	" <i>Strophodonta corrugata</i> .
Sodus, N. Y.	" <i>Strophodonta</i> " Int. impr. dorsal valve; not a ventr. valve.
New Hartford, N. Y.	" <i>Leptæna corrugata</i> . Exterior imprint dorsal (?) valve.
Lockport, N. Y.	" <i>Leptæna striata</i> . An exfoliated valve, imbedded.
.....	" <i>Strophodonta striata</i> .
.....	" " (<i>Strophonella</i> ?) <i>striata</i> .
.....	Type of subgenus <i>Amphistrophia</i> .
Waldron, Ind.	As <i>Strophonella</i> (— —) <i>striata</i> . An entire adult.
.....	" <i>Strophodonta striata</i> .
.....	" " (<i>Strophonella</i> ?) <i>striata</i> .
.....	" " " "
Waldron, Ind.	" <i>Strophonella</i> (— —) <i>striata</i> . Dorsal valve, imbedded.
.....	" <i>Strophodonta striata</i> .
.....	" " (<i>Strophonella</i> ?) <i>striata</i> .
.....	" " " "
Waldron, Ind.	" <i>Strophonella</i> (— —) <i>striata</i> . Ventral valve, imbedded.
.....	" " " "
.....	" " " "
Waldron, Ind.	As types of <i>Anastrophia Verneuli</i> Hall. Three individuals.
.....	As <i>Pentamerus Verneuli</i> .
.....	" " " "
.....	" " " "
Nr. Clarksville, N. Y.	Made the type of the genus <i>Anastrophia</i> .
" "	Eight entire individuals, ranging from very small to very large.
" "	As <i>Pentamerus Verneuli</i> . Three fragm. showing int. of the opposite valves and the two conjoined. See also <i>Anastrophia internascens</i> .

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Cl.	1528	Fig'd.	<i>Athyris</i> McCoy					
"	"	"	<i>congesta</i> (Con.)... Hall.	Pal. N. Y.	2	67	23	1b, c, e
			"	"	2	68	23	2c-f
			<i>Atrypa</i> Dalman.					
			<i>aequiradiata</i>					
			<i>affinis</i>					
			<i>bidens</i>					
			<i>bidentata</i>					
Niag.	1779	Type.	<i>camura</i> Hall.	Pal. N. Y.	2	273	56	3a-d, g-u
			<i>congesta</i>					
			<i>corallifera</i>					
			<i>crassirostra</i>					
			<i>cuneata</i>					
			<i>cylindrica</i>					
			<i>disparilis</i>					
			<i>emacerata</i>					
Cl.	1537	Type.	<i>gibbosa</i> Hall.	Pal. N. Y.	2	79	20	10a-c
			<i>hemispherica</i>					
			<i>intermedia</i>					
Cor.	1856	Type.	<i>lamellata</i> Hall.	Pal. N. Y.	2	329	74	11a-d
			<i>naviformis</i>					
			<i>neglecta</i>					
			<i>nitida</i>					
			var. <i>oblata</i>					
Niag.	1785	Type.	<i>nodostriata</i> Hall.	Pal. N. Y.	2	272	56	2d-u
			<i>oblata</i>					
			<i>obtusiplicata</i>					
			<i>plicata</i>					
			<i>quadriricostata</i>					
Cl.	1538	Fig'd.	<i>reticularis</i> (Linn.) Hall.	Geol. N. Y.	4th D.	73	ct. 17	8, v.v.
"	"	"	"	Pal. N. Y.	2	72	23	8a, "
"	"	"	"	"	2	72	23	8b-e
"	"	"	"	"	2	72	23	8h, v.v.
"	"	"	"	"	2	72	23	8i, f
Niag.	1538	"	"	"	2	270	55	5a-r, t
"	"	"	"	"	2	270	55	5s, int. v.v.
"	1538	"	"	"	2	270	55	5u, v.v.
L. H.	14	"	"	"	3	253	42	1a-l
"	"	"	"	"	8, pt. 2	166	55	3, 4
"	"	"	H. & C. (Linn) Hall.	"	3	253	42	1m-o
"	"	"	"	"	3	253	42	1p, r
Niag.	1538	Fig'd.	"	N. Y. S. M.	28	162	25	44, 45
"	"	"	"	"	28	162	25	46, 47
"	"	"	H. & C.	Pal. N. Y.	8, pt. 2	166	55	2, ext. v.v.
"	1784	Type.	<i>rugosa</i> Hall.	"	2	271	56	1c-l
"	"	"	"	"	2	271	56	1m, n
"	"	"	sp. Hall.	"	2	277	57	5a, b
"	"	"	sp. Hall.	"	2	78	24	5a, b
"	"	"	sp. Hall.	"	2	269	55	3c, e
			<i>Atrypina</i> Hall & Clarke.					
Niag.	1781	Type.	<i>disparilis</i> Hall.	Pal. N. Y.	2	277	57	6b-h
"	"	"	"	"	2	277	57	6l, m
"	1781	"	"	N. Y. S. M.	28	162	25	39-41
"	"	"	H. & C.	Pal. N. Y.	8, pt. 2	162	53	1-3
"	"	"	"	N. Y. S. M.	28	162	25	42, 43

LOCALITY.	REMARKS.
Reynale's Basin, N. Y.	As <i>Atrypa congesta</i> . A small, exfoliated indiv. and a large, entire one.
" " "	As a type of <i>Atrypa quadricostata</i> H. Large, nearly entire.
.....	See <i>Camarotachia aquiradiata</i> .
.....	" <i>Atrypa reticularis</i> .
.....	" <i>Camarotachia bidens</i> .
.....	" <i>Rhynchotreta cuneata</i> , var. <i>americana</i> .
Lockport, N. Y.	Eight indiv. Figs. 3e, f are of <i>Trigleria lepida</i> of the Ham. grp., q. v.
.....	See <i>Athyris congesta</i> .
.....	" <i>Eichwaldia corallifera</i> .
.....	" <i>Whitfieldella crassirostra</i> .
.....	" <i>Rhynchotreta cuneata</i> , var. <i>americana</i> .
.....	" <i>Whitfieldella cylindrica</i> .
.....	" <i>Atrypina disparilis</i> .
.....	" <i>Rhynchonella emacerata</i> .
Clinton, N. Y.	Possibly = <i>A. reticularis</i> . Int. casts two vent. and one dors. valve.
.....	See <i>Celospira hemispherica</i> .
.....	" <i>Whitfieldella intermedia</i> .
Schoharie, N. Y.	Two individuals of medium size. See also <i>Camarotachia neglecta</i> .
.....	See <i>Whitfieldella naviiformis</i> .
.....	" <i>Camarotachia neglecta</i> .
.....	" <i>Whitfieldella nitida</i> .
.....	" " var. <i>oblata</i> .
Lockport, N. Y.	Five individuals forming series from young to adult.
.....	See <i>Whitfieldia oblata</i> .
.....	" <i>Camarotachia obtusiplicata</i> .
.....	" <i>Rhynchonella plicata</i> .
.....	" <i>Athyris congesta</i> .
.....	As <i>A. affinis</i> , Sow., ? var. ?
Sodus, N. Y.	Ext. impr. v. v. retaining fringe. On block with <i>Plectambonites</i>
" " "	<i>sericeus</i> , fig. 1a, pl. 21, same vol.
" " "	Two small individuals.
" " "	A somewhat exfoliated ventral valve, imbedded.
" " "	Two interior casts of ventral valve; one retaining some shell.
Lockport, N. Y.	Seven individuals of various stages of growth and convexity.
" " "	Muscular impression and hinge of ventral valve. Fig. a restoration.
Rochester, N. Y.	Exterior-interior imprint of a ventral valve.
Nr. Clarksville, N. Y.	Five entire individuals.
" " "	A dorsal and two ventral valves showing internal features.
" " "	Three individuals broken so as to show the spires, were used in
.....	making the figures.
Waldron, Ind.	Two individuals of medium size.
" " "	A large, ventricose individual.
Lockport, N. Y.	Three individuals, one slightly crushed.
" " "	A large, somewhat broken ventral valve, imbedded.
.....	See <i>Camarotachia neglecta</i> .
.....	" <i>Whitfieldella intermedia</i> .
.....	" " <i>nitida</i> , var. <i>oblata</i> .
Lockport, N. Y.	As <i>Atrypa disparilis</i> . Three individuals.
" " "	" " A detached dorsal valve.
.....	" <i>Celospira disparilis</i> .
Waldron, Ind.	Very perfect.
" " "	Two entire individuals.

LOCALITY.	REMARKS.
.....	As <i>Leptocalia imbricata</i> .
Nr. Clarksville, N. Y.	" " " " Orig. of fig. 10c is missing and fig. 13 is doubtful. Made type of genus. Seven entire individuals.
" " "	Entire.
.....	As <i>Pentamerus ventricosus</i> .
Waukesha, Wis.	" <i>P. (Pentamerella) ventricosus</i> .
Yellow Springs, O.	Internal cast, entire, perfect. As <i>P. (Pentamerella) ventricosus</i> . Internal cast of an average indiv.
Lockport, N. Y.	As <i>Spirifer bilobus</i> . Three individuals.
Nr. Clarksville, N. Y.	" <i>Orthis varica</i> . Five entire individuals.
.....	" " "
Nr. Clarksville, N. Y.	A very perfect adult.
Nr. Clarksville, N. Y.	As <i>Orthis varica</i> .
.....	Two opposite, detached valves.
.....	Considered a subgenus of <i>Strophodonta</i> , Pal. N. Y., vol. 8, pt. 1, p. 288.
Rochester, N. Y.	As <i>Leptana profunda</i> . Very large, much exfoliated ventral valve.
.....	" " " ?
Reynale's Basin, N. Y.	" <i>Strophodonta profunda</i> . Ventral valve, imbedded. Young?
.....	As <i>Strophodonta profunda</i> .
Racine, Wis.	Ext. imprint small ventral valve and int. imprint of large one.
" "	Large internal cast. The fig. is not an enlargement.
.....	As <i>Strophodonta profunda</i> .
Waldron, Ind.	Large ventral valve, imbedded.
" "	A fragmentary ventral valve.
Schoharie, N. Y.	As <i>Strophodonta varistriata</i> . A very small ventral valve in block with <i>Spirifer Vanuxemi</i> , fig. 18, same plate.
" "	As <i>Strophodonta varistriata</i> . A small ventr. and two small dors. valves imbedded in block with many others and w. <i>Spirifer</i> <i>Vanuxemi</i> , fig. 19, same plate.
" "	As <i>Strophodonta varistriata</i> . Four ventr. valves; imb. separately.
.....	" " "
Schoharie, N. Y.	Two ventral valves showing interior; imbedded together.
" "	As <i>Strophodonta varistriata</i> . Somewhat crushed ventral valve; shows exterior; imbedded.
" "	As <i>Strophodonta varistriata</i> . Two internal casts ventral valve with small portions of shell attached, imbedded.
.....	As <i>Strophodonta varistriata</i> .
Litchfield, N. Y.	A small and a medium-sized ventral valve, imbedded separately.
Schoharie, N. Y.	As <i>Strophodonta varistriata</i> . An imb. ventr. valve, partly exfoliated.
.....	" " " ?
Schoharie, N. Y.	Ventral valve, imbedded, partly exfoliated.
.....	As <i>Strophodonta varistriata</i> .
Schoharie, N. Y.	Two very perfect ventral valves, imbedded separately.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
L. H.	2429 ^a 1	Fig'd.	Brachyprion Shaler—Cont.					
			varistriatum (Con.) Hall.	Pal. N. Y.	3	180	16	8b, d
			" " " H. & C.	St. G. N. Y.	2	....	44	6, 12
"	2429 ^b 2	Type.	" var. aratum Hall.	Pal. N. Y.	3	183	16	16, v.v.
			" " " H. & C.	St. G. N. Y.	2	....	44	18, "
			" " " Hall.	Pal. N. Y.	8, pt. 1	....	13	18, "
"	2429 ^b 1	"	" " " "	" " "	3	183	18	1a-i
			" " " "	St. G. N. Y.	2	....	44	17, v.v. X 2
			" " " H. & C.	Pal. N. Y.	8, pt. 1	....	13	17, "
			Camarium Hall.					
			elongatum.....	.....	.....	.....	.....	.....
			typus.....	.....	.....	.....	.....	.....
Cl.	1538 1541	Type.	Camarotoechia H. & C.					
			æquiradiata.....Hall.	Pal. N. Y.	2	70	23	5c, e
			? bidens.....Hall.	" "	2	69	23	3a-d
Niag.	1941	"	indianensis.....Hall.	T. A. I.	4	215	.....	.....
			" " " "	N. Y. S. M.	28	163	26	12-22
			" " " "	Pal. N. Y.	2	70	23	4a-f
Cl.	1543 1543 1543	"	neglecta.....Hall.	Pal. N. Y.	2	274	57	1a-p
			" " " "	" "	2	162	26	1-6
			" " " "	N. Y. S. M.	28	162	26	1-6
Niag.	1543 1543 1543	Fig'd.	" " " "	Pal. N. Y.	2	277	57	5a, b
			" " " "	" "	2	329	74	11h, i
			" " " "	" "	2	279	58	2a-d
Cor.	1543 1543 1543	Type.	obtusiplicata.....Hall.	Pal. N. Y.	2	279	58	2g
			" " " "	" "	3	224	29	1a-o
			" " " "	" "	3	....	34	5, 6
L. H.	2488 2488 2488	Fig'd.	semiplicata (Con.) Hall.	N. Y. S. M.	10	76	.....	.....
			" " " ? "	Pal. N. Y.	3	236	35	1a-c
			" " " "	T. A. I.	4	216	.....	.....
Niag.	1940	Type.	? sulcopicata.....Hall.	N. Y. S. M.	28	164	26	23-33
			Whitii.....Hall.	Pal. N. Y.	3	236	35	1a-c
			" " " "	T. A. I.	4	216	.....	.....
Cl.	1526	"	Chonetes Fischer.					
			cornutus.....Hall.	Geol. N. Y.	4th D.	72	ct. 17	3
			" " " "	Pal. N. Y.	2	64	21	10a, b
"	"	"	" " " "	" "	2	64	21	10c-g
			" " " "	St. G. N. Y.	2	....	47	1, v.v. X 2
			" " " H. & C.	" "	11	....	20	1, "
Cl.	1629	Type.	minimus.....	Pal. N. Y.	8, pt. 1	308	16	1, "
			nova-scoticus.....Hall.	.....	.....	.....	.....	.....
			" " " "	C. N. & G.	5	144	.....	2
Niag.	1934 1630 1933	"	" " " "	N. Y. S. M.	28	155	22	11-14
			tenuistriatus.....Hall.	C. N. & G.	5	145	p. 144	3
			undulatus.....Hall.	N. Y. S. M.	28, 28, 1st ed.	155	22	15, v.v. X 4
L. H.	2438	Gen. and Sp. Type.	Christiania H. & C.					
			subquadrata.....Hall.	St. G. N. Y.	2	....	46	32, 33
			" " " H. & C.	" "	11	290	19	10-12
			" " " "	Pal. N. Y.	8, pt. 1	298	15	32, 33
			" " " "	" "	15A	36, enl. X 4	.....	.....

LOCALITY.	REMARKS.
.....	As <i>Strophodonta varistriata</i> .
Schoharie, N. Y.	A small indiv. and a vent. valve on same block. The former has been broken thro' from the ventral side so as to show the parts figured.
.....	As <i>Strophodonta varistriata</i> , var. <i>arata</i> .
Nr. Hudson, N. Y.	" " " " " "
" " " "	A very perfect ventral valve, imbedded.
.....	As <i>Strophodonta varistriata</i> , var. <i>arata</i> . Four vent. valves, imb.
Schoharie, N. Y.	" " " " " "
.....	A small, perfect ventral valve, imbedded.
.....	Synonym for <i>Merista</i> .
.....	See <i>Merista elongata</i> .
.....	" " <i>typus</i> .
New Hartford, N. Y.	As <i>Atrypa æquiradiata</i> . External-internal casts of two vent. valves.
Reynale's Basin, N. Y.	" " " " Two entire individuals.
.....	As <i>Rhynchonella indianensis</i> .
Waldron, Ind.	" " " " Five individuals of progressive size.
Reynale's Basin, N. Y.	" <i>Atrypa neglecta</i> . Two entire individuals.
Lockport, N. Y.	" " " " Six individ. ranging fr. very small to large.
Waldron, Ind.	" <i>Rhynchonella neglecta</i> . Two entire individuals.
Lockport, N. Y.	" <i>Atrypa</i> sp.? A crushed individual.
Schoharie, N. Y.	" <i>Atrypa lamellata</i> , type. Individual of medium size.
Lockport, N. Y.	" <i>Atrypa obtusiplicata</i> . An exfoliated individual.
.....	" " " " Dorsal valve, compressed, imbedded.
Schoharie, N. Y.	" <i>Rhynchonella semiplicata</i> . Nine individuals.
The Helderbergs, N. Y.	" " " " Two individuals.
.....	" " <i>sulcophicata</i> .
The Helderbergs, N. Y.	" " " " An entire individual.
.....	" " <i>Whitii</i> .
Waldron, Ind.	" " " " Three entire adults.
.....	As <i>Strophomena cornuta</i> .
Sodus Bay, N. Y.	Two opposite valves imbedded in same block.
" " "	" " " " " "
.....	A group and a ventral valve, each imbedded.
.....	See <i>Chonetes undulatus</i> .
Arisaig, N. S.	Fig. combined from two individuals imbedded with <i>Trematospira simplex</i> , fig. 4, same page.
Waldron, Ind.	Three individuals of medium size, imbedded.
Arisaig, N. S.	Ventral valve, imbedded.
.....	" " " " " "
Waldron, Ind.	As type of <i>Chonetes minimus</i> H. Name preoccupied. Individual attached to <i>Strophonella semifasciata</i> , fig. 1, pl. 22, same vol.
.....	As <i>Leptæna subquadrata</i> , type.
.....	Made type of genus <i>Christiania</i> .
Perry Co., Tenn.	One dorsal and three ventral valves. All the figs. are enlargements.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
L. H.	2470	Gen. and Sp. Type.	Cœlospira Hall. <i>concava</i> Hall.	N. Y. S. M.	10	107	...	...
			"	Pal. N. Y.	3	245	38	1, 3-6
			"	T. A. I.	4	146	...	...
			<i>disparilis</i>					
Cl.	1539	Fig'd.	<i>hemispherica</i> (Sow.) Hall.	Pal. N. Y.	2	74	23	10a, c, f, g
"	1539	"	"	"	2	74	23	10b, d, v.
"	1539	"	"	"	2	74	23	10d
"	1539	"	"	"	2	74	23	10e, int.
"	1550	Type.	Conchidium Linn. <i>georgiæ</i> ... Hall & Clarke.	"	8, pt. 2	369	66	18, 19
			" Hall.	St. G. N. Y.	14	367	11	10, 11
L. H.	2500	"	<i>Littoni</i> Hall.	Pal. N. Y.	3	262	...	...
Guelph	2222	"	<i>occidentale</i> Hall.	"	2	341	79	1a-s
"	"	Fig'd.	" ?..... "	"	2	...	79	2, int.
			Crania Retzius. <i>acadiensis</i>					
Niag.	1927	Type.	<i>setifera</i> Hall.	T. A. I.	4	209	...	...
			"	N. Y. S. M.	28	148	21	8-10
			H. & C.	St. G. N. Y.	11	...	6	15, n.s.
			"	Pal. N. Y.	8, pt. 1	...	4H	18, "
			<i>setigera</i>	N. Y. S. M.	28, 1st ed.	...	21	...
Niag.	1928	Type.	<i>siluriana</i> Hall.	T. A. I.	4	208	...	...
"	"	"	"	N. Y. S. M.	28	148	21	3
"	"	"	"	"	28	148	21	4, 5
"	"	"	"	"	28	148	21	6
"	"	"	"	"	28	148	21	7
L. H.	2501	Type.	Cryptonella Hall. <i>eximia</i> Hall.	St. G. N. Y.	13	...	52	18, enl.
			H. & C.	Pal. N. Y.	8, pt. 2	286	80	11, 12
			<i>rectirostra</i>					
			Cyrtia Dalman. <i>exporrecta</i> Wahl.					
Niag.	2059	Type.	<i>var. arrecta</i> ... H. & W.	N. Y. S. M.	24	183	...	...
			" Hall.	"	27	...	9	22, 23
			H. & C.	St. G. N. Y.	13	...	29	6, 7
			"	Pal. N. Y.	8, pt. 2	42	28	2, 3
			<i>Dalmani</i>					
Niag.	2056	Type.	<i>meta</i> Hall.	N. Y. S. M.	20	372	13	12, 13
Cl.	1774	"	"	"	20	372	...	...
"	1774	Fig'd.	"	Pal. N. Y.	2	...	22	2s, t
"	1774	"	"	"	2	...	22	2c, d, v.
L. H.	2448	Type.	Cyrtina Davidson. <i>Dalmani</i> Hall.	N. Y. S. M.	10	64	...	...
"	2448	"	"	Pal. N. Y.	3	206	24	2a-k, n-y
"	2448	"	"	"	3	206	24	2l, d, v.
"	2414	"	Dalmanella H. & C. <i>concinna</i> Hall.	"	3	172	10A	2a-d
	"	"	"	"	3	172	10A	3a-c
Niag.	1764	Fig'd.	<i>elegantula</i> (Dalman.)... H.	"	2	252	52	3b-h
"	1764	"	"	"	2	252	52	3i, k
"	1764	"	"	"	2	252	52	3l, m

LOCALITY.	REMARKS.
.....	As <i>Leptocælia concava</i> .
.....	" " "
The Helderbergs, N. Y.	Made type of genus <i>Cælospira</i> . Five indiv. and a ventral valve.
.....	See <i>Atrypina disparilis</i> .
Rochester, N. Y.	As <i>Atrypa hemispherica</i> . A small and a large vent. valve, each imb.
Ontario, N. Y.	" " " Small dors. valve, imb. From Ridge Road.
Rochester, N. Y.	" " " A group of large and small indiv., imb.
New Hartford, N. Y.	" " " Internal cast large dorsal valve, imbedded.
.....	
Trenton, Ga.	A large dorsal valve, imbedded.
Tennessee.	As <i>Pentamerus Littoni</i> . A somewhat imperfect adult.
Galt, Ont.	" " " Eleven internal casts, some of which retain more or less exfoliated shell.
" "	As <i>Pentamerus occidentalis</i> . Small ventral valve. " Perhaps a distinct species."
.....	See <i>Pholidops acadensis</i> .
.....	As <i>Crania setigera</i> , by error, in the first edition of this report.
Waldron, Ind.	A somewhat imperfect upper valve, imbedded.
.....	Error for <i>C. setifera</i> , q. v.
Waldron, Ind.	An upper valve on a <i>Spirifer</i> .
" "	" " " <i>Platystoma niagarensis</i> .
" "	Four lower valves on a calyx of <i>Eucalyptocrinus crassus</i> .
" "	A lower valve on <i>Uncinulus Stricklandi</i> .
.....	
The Helderbergs, N. Y.	Referred to <i>Crytonella rectirostra</i> in expl. of plate, by error.
.....	A somewhat crushed individual of medium size.
.....	See <i>C. eximia</i> .
.....	
Louisville, Ky.	Internal cast of an average individual.
.....	See <i>Cyrtina Dalmani</i> .
Milwaukee, Wis.	As <i>Spirifer meta</i> . Internal cast and exterior impr. of an individ.
.....	" " " "
Nr. Rochester, N. Y.	" " <i>radiatus</i> . Exfoliated ventral valve, imbedded.
Lockport, N. Y.	" " " A somewhat exfoliated individual.
.....	As <i>Cyrtia Dalmani</i> .
Clarksville, N. Y.	" " " Six entire indiv. ranging fr. very small to large.
Schoharie, N. Y.	" " " A very large dorsal valve, imbedded.
.....	
Cumberland, Md.	As <i>Orthis concinna</i> . A large individual.
" "	" " " Two detached opp. valves, somewhat broken.
Rochester, N. Y.	" " <i>elegantula</i> . Three entire individuals.
" "	" " " Internal cast of adult ventral valve.
Lockport, N. Y.	" " " Young ventral valve. Fig. 3m is prob. an enl.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Niag.	1754	Fig'd.	Dalmanella H. & C.—Cont.					
	1764		<i>elegantula</i> (Dalm.)...H.	Pal. N. Y.	2	252	52	3n-r
	8		"	N. Y. S. M.	28	150	21	11, 12
			H. & C.	St. G. N. Y.	11	...	11	12, 13
			"	Pal. N. Y.	8, pt. I	207	5C	15, 16
			(Dalm.) Hall.	N. Y. S. M.	28	150	21	13, v.v.
			"	"	28	150	21	14, 17
			"	"	28	150	21	15, 16
			H. & C.	Pal. N. Y.	8, pt. I	207	5C	17
			? var....Hall.	Pal. N. Y.	2	57	20	7a, b
Cl.	1512	Fig'd.	"	"	2	57	20	7e, i, k
"	"		"	"	2	57	20	7f, int.v.v.
"	"		"	"	2	57	20	7g, h
"	"		"	"	2	57	20	7e, ext.
"	"		"	"	2	57	20	
L. H.	2410	Type.	<i>perelegans</i>.....Hall.	N. Y. S. M.	10	44	...	
"	"		"	Pal. N. Y.	3	171	13	4-8
"	"		"	"	3	171	13	9a, b
"	"		"	"	3	171	13	10a-d
"	"		H. & C.	"	8, pt. I	207	5C	34, 35
"	"		Hall.	"	3	171	13	11a-c, 12a
"	2410		"	"	3	171	13	12b
"	2410		<i>planoconvexa</i>.....Hall.	"	3	168	12	int.d.v.
"	2411		<i>subcarinata</i>.....Hall.	N. Y. S. M.	10	43	...	2, 3
"	1		"	Pal. N. Y.	3	169	12	7, 8, 13-17
"	"	"	"	St. G. N. Y.	2	...	35	23-26
"	"		"	"	11	...	11	15-17
"	"		"	Pal. N. Y.	8, pt. I	207	5C	25-28
"	"		"	"	3	169	12	18, 19
"	"		"	St. G. N. Y.	2	...	35	27-29
"	"		H. & C.	"	11	...	11	8
"	"		"	Pal. N. Y.	8, pt. I	207	5C	29, 30, 35
"	"		Hall.	"	3	169	12	20, 21
"	"		"	St. G. N. Y.	2	...	35	30, 31
"	"		H. & C.	"	11	...	11	14
"	"	"	" var. <i>quadrans</i> H.	Pal. N. Y.	8, pt. I	207	5C	31, 32
"	"		"	"	3	170	12	9-12
Cl.	1514	Fig'd.	<i>testudinaria</i> (Dalm.) H.	"	2	58	20	9a
"	"		"	"	"	"	"	int.d.v.
			<i>Delthyris</i> Dalman.					
			<i>decemplicata</i>					
Cl.	1508	Type.	Dignomia Hall.					
"	"		<i>oblata</i>.....Hall.	Pal. N. Y.	2	54	20	2a, b
"	"	"	"	"	2	54	20	2c, int.
			Dinobolus Hall.					
Niag.	2050	Gen. and Sp. Type.	<i>Conradi</i>.....Hall.	N. Y. S. M.	20	368	...	
"	1		"	"	33	247	...	
"	"	"	"	Pal. N. Y.	8, pt. I	38	4B	14, 18
			Discina Lamarck.					
			<i>Conradi</i>					
Cl.	1628	Type.	<i>tenuilamellata</i> ,					
"	"		var. <i>subplana</i> ...H.	C. N. & G.	5	144	...	
"	"	"	<i>Vanuxemi</i>					

LOCALITY.	REMARKS.
Lockport, N. Y.	As <i>Orthis elegantula</i> . Two dorsal valves showing interior.
Waldron, Ind.	A small individual, entire, very perfect.
" "	As <i>Orthis elegantula</i> . A large ventral valve, imbedded.
" "	" " " A rather large individual.
Waldron, Ind.	Two opposite valves showing interior.
Sodus, N. Y.	As <i>Orthis elegantula</i> ? var. Rather small indiv., somewhat crusted.
" "	" " " Large vent. valve, partly exfoliated, imb.
" "	" " " Internal cast, ventral valve.
" "	" " " Ventral valve, partly exfoliated.
" "	" " " Small ventral valve, imperfect.
Clarksville, N. Y.	" " <i>perelegans</i> . Ten entire individuals.
" "	" " " Two large ventral valves.
Clarksville, N. Y.	A very perf. dors. valve of med. size, and two others nearly entire.
" "	As <i>Orthis perelegans</i> . Three nearly entire internal casts.
Catskill Creek, N. Y.	" " " Internal cast dorsal valve, imbedded.
Clarksville, N. Y.	" " <i>planoconvexa</i> . Two entire individuals.
" "	" " <i>subcarinata</i> .
" "	" " "
Nr. Clarksville, N. Y.	Eight entire individuals from very small to adult.
" "	As <i>Orthis subcarinata</i> .
Nr. Clarksville, N. Y.	Two large, opposite valves, detached.
" "	As <i>Orthis subcarinata</i> .
Nr. Clarksville, N. Y.	Two entire internal casts showing vascular markings.
" "	As <i>Orthis subcarinata</i> , var. <i>quadrans</i> . Two entire individuals and two detached valves.
New Hartford, N. Y.	As type of <i>Orthis tenuidens</i> Hall. Int. cast of dorsal valve, imb.
" "	Synonym of <i>Spirifer</i> .
" "	See <i>Spirifer sulcatus</i> .
{ Wolcott or }	As <i>Lingula oblata</i> . Imperfect individual, imbedded.
{ Sodus, N. Y. }	" " " Ext.-int. impr. of dors.? valve; margin broken.
" "	As <i>Obolus Conradi</i> .
" "	Made generic type.
Racine, Wis.	Two internal casts. Locality incorrect in explanation of the plate.
" "	See <i>Orbiculoidea Conradi</i> .
Arisaig, N. S.	Ext.-int. impr. dors.? valve; imbedded with type of <i>Clidophorus</i> [erectus, fig. 8, p. 149.
" "	See <i>Orbiculoidea Vanuxemi</i> .

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
L. H.	2494	Type.	Eatonia Hall. eminens Hall.	N. Y. S. M.	10	92		
"	2493 1	Fig'd Sp. and Gen. Type	" medialis (<i>Vanuxem</i>) H.	Pal. N. Y.	3	242	37	2a-c
"	2493 3	"	" " <i>H. & C.</i>	Pal. N. Y.	3	241	37	1a-u
"	2493 2	Fig'd.	" " Hall.	" "	8, pt. 2	205	61	31, <i>frt.</i>
"	2495 8	"	peculiaris (<i>Con.</i>)... Hall.	" "	3	241	37	1y, <i>v.v.</i>
"	2495 8	"	" " " "	" "	3	244	38	21, 23, 24
"	2496 1	"	" " " "	" "	3	244	38	22a, b
"	2496 8	"	" " <i>H. & C.</i>	" "	8, pt. 2	206	61	17, <i>ext. d.v.</i>
"	2496 8	"	" " Hall.	" "	3	244	38	25a, b
"	2495 8	"	singularis (<i>Vanux.</i>)... H.	" "	3	243	38	14-16, 18, 20
"	2495 2	"	" " <i>H. & C.</i>	St. G. N. Y.	13	....	44	35, <i>v.v.</i>
"	2495 2	"	" " Hall.	Pal. N. Y.	8, pt. 2	206	61	13, "
"	2495 1	"	" " <i>H. & C.</i>	St. G. N. Y.	3	243	38	17a-d
"	2495 1	"	" " " "	St. G. N. Y.	13	....	44	36, 37
"	2495 1	"	" " " "	Pal. N. Y.	8, pt. 2	206	61	14-16
"	2495 1	"	" " " "	" "	3	243	38	19a, b
Niag. ?	2203	Type.	Eichwaldia Billings. concinna Hall.	N. Y. S. M.	20	278		
"	1790	"	" <i>H. & C.</i>	St. G. N. Y.	13	....	54	17, <i>d.v.</i>
Niag.	1790 8	"	coralifera Hall.	Pal. N. Y.	8, pt. 2	310	83	5, "
"	1790 8	"	" " " "	" "	2	281	58	5a-m, r, s
" ?	2202	"	gibbosa Hall.	" "	2	281	58	5n-p
"	1944	"	" <i>H. & C.</i>	N. Y. S. M.	20	278		
"	1944	"	reticulata Hall.	St. G. N. Y.	13	....	54	18, <i>d.v.</i>
"	"	"	" " " "	Pal. N. Y.	8, pt. 2	310	83	6, 7
"	"	"	" " " "	T. A. I.	4	217	....	....
"	"	"	" " " "	N. Y. S. M.	28	169	26	50, 52
"	"	"	" " " "	" "	20	275	....	1, 2, 3
"	"	"	" " " "	" "	28	169	26	51, 53, 54
"	"	"	" <i>H. & C.</i>	St. G. N. Y.	13	....	54	13
"	"	"	" " " "	Pal. N. Y.	8, pt. 2	310	83	10, 11
"	1777	"	Homœospira H. & C. apriniformis Hall.	Pal. N. Y.	3	485	....	....
"	"	"	" <i>H. & C.</i>	St. G. N. Y.	13	....	36	17, 18
"	1938	Gen. and Sp. Type.	evax Hall.	Pal. N. Y.	8, pt. 2	112	83	24, 25
"	"	"	" " " "	T. A. I.	4	213	....	....
"	"	"	" " " "	N. Y. S. M.	28	160	25	14, 18-20
"	"	"	" <i>Hall & Clarke.</i>	St. G. N. Y.	13	....	36	13, 14
"	"	"	" " " "	Pal. N. Y.	8, pt. 2	111	50	16, 17
"	"	"	" Hall.	N. Y. S. M.	28	160	25	13, 15-17, 21
"	"	"	Leptæna Dalman. concaua Hall.	"	"	"	"	"
"	"	"	corrugata Hall.	"	"	"	"	"
"	"	"	depressa Hall.	"	"	"	"	"
"	"	"	obscura Hall.	"	"	"	"	"
"	"	"	orthididea Hall.	"	"	"	"	"
"	"	"	patenta Hall.	"	"	"	"	"
"	"	"	profunda Hall.	"	"	"	"	"
Niag.	1520 1	Fig'd.	rhomboidalis (<i>Wilck.</i>) H.	Geol. N. Y.	4th D.	104	ct. 35	2, <i>v.v.</i>
Cl.	1520 1	"	" " " "	Pal. N. Y.	2	257	53	6e
"	1520 1	"	" " " "	" "	2	62	21	8, <i>v.v.</i>

LOCALITY.	REMARKS.
Tennessee.	Large internal cast, entire.
.....	Gen. name used here, but descr. in full in Pal. N. Y., III., 432.
The Helderbergs, N. Y.	Nine entire individuals and one entire internal cast.
Catskill Creek, N. Y.	Internal cast, imbedded.
Hudson, N. Y.	Four entire individuals, two of which are imbedded. Doubtful whether original of fig. 23b is present.
Albany Co., N. Y.	Large individual, imbedded.
Clarksville, N. Y.	Internal cast, medium size.
Clarksville, N. Y.	Four entire individuals, one of which is unusually large.
Hudson, N. Y.	A nearly perfect individual of average size.
The Helderbergs, N. Y.	One entire internal cast and one preserving about half of shell.
Perry Co., Tenn.	Individual preserving much of shell. From "the Glades."
Lockport, N. Y.	As <i>Atrypa corallifera</i> . Five individuals of progressive size.
Rochester, N. Y.	" " " Three internal casts, imbedded.
Perry Co., Tenn.	Individual preserving shell. From "the Glades."
Waldron, Ind.	As <i>Rhynchonella? reticulata</i> . Small entire individual and large partly exfoliated one.
" "	A very perfect individual of medium size.
.....	Defined as a subgenus of <i>Rhynchospira</i> .
.....	As <i>Rhynchospira apriniformis</i> .
Cumberland, Md.	Entire, adult. Probably = <i>H. aprinis</i> de Verneuil.
.....	As <i>Rhynchospira evax</i> .
.....	" <i>Retzia evax</i> .
Waldron, Ind.	A full grown, very perfect individual.
" "	As <i>Retzia evax</i> . Five individuals of progressive size.
.....	See <i>Leptaniscia concava</i> .
.....	" <i>Amphistrophia corrugata</i> .
.....	" <i>Leptana rhomboidalis</i> .
.....	" <i>Rafinesquina obscura</i> and <i>Ortholhetes subplanus</i> .
.....	" <i>Strophodontia orthididea</i> .
.....	" <i>Strophonella patenta</i> .
.....	" <i>Brachyprion profundum</i> .
.....	As <i>Strophomena depressa</i> Sowerby.
Rochester, N. Y.	" <i>Leptana depressa</i> Sowerby. An average adult, imbedded.
Kirkland, N. Y.	" " " Internal cast small ventral valve.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Niag.	1520 ₄	Fig'd.	Leptaena Dalman— <i>Cont.</i>					
	1520 ₅		<i>rhomboidalis</i> (Wilck.) H.	Pal. N. Y.	2	257	53	6a-d
	1520 ₆		" " "	" "	2	257	53	6f, ext. v.v.
	1520 ₇		" " "	" "	2	257	53	6i, int. d.v.
L. H.	1520 ₈		" " "	" "	2	257	53	6k, enl.
	1520 ₉		" " "	" "	3	195	19	1a-k
	13+15		" " "	St. G. N. Y.	2	....	38	20-23
			H. & C.	" "	11	....	13	3
	1520 ₁₀		" (Wilck.) H.	Pal. N. Y.	8, pt. I	279	8	20-23
	1520 ₁₁		" " "	" "	3	195	19	11, int.
	1520 ₁₂		" " "	" "	3	195	19	1m, "
	1520 ₁₃		" " "	" "	3	195	19	1n, "
			" " "	St. G. N. Y.	2	....	38	24, "
			H. & C.	" "	11	....	13	6, "
	1520 ₁₄		" (Wilck.) H.	Pal. N. Y.	8, pt. I	279	8	24, "
	1520 ₁₅		" " "	" "	3	195	19	10-q†
	1520 ₁₆		" " "	" "	3	195	19	1r, s
	1520 ₁₇		" " "	" "	3	195	19	1t, int.
			" " "	St. G. N. Y.	2	....	38	25, "
			H. & C.	" "	11	....	13	7, "
	1520 ₁₈		" (Wilck.) H.	Pal. N. Y.	8, pt. I	279	8	25, "
	1520 ₁₉		" " "	" "	3	195	19	1u-y
	1520 ₂₀		" " "	" "	3	195	19	2, v.v.
	1520 ₂₁		" " "	N. Y. S. M.	28	151	22	4, int.
Niag.	1520 ₂₂		" " "	" "	28	151	22	5-8, 10
	1520 ₂₃		" " "	" "	28	151	22	9, int.
	1520 ₂₄		" " "	St. G. N. Y.	2	....	38	18, 19
	1520 ₂₅		H. & C.	" "	11	....	13	4, card.
			" " "	Pal. N. Y.	8, pt. I	279	8	18, 19
			<i>sericea</i>					
			<i>striata</i>					
			<i>subplana</i>					
			<i>subquadrata</i>					
			<i>transversalis</i>					
			Leptænisca Beecher.					
			<i>concava</i>	Hall.	St. G. N. Y.	2	....	46
L. H.	2439	Gen. and Sp. Type.	"	Beecher.	Am. J. S.	III, 40	238	30, 31
			"	H. & C.	Pal. N. Y.	8, pt. I	300	15
			Leptocœlia Hall.					
			<i>concava</i>					
Cl.	1634	Type.	<i>imbricata</i>					
			<i>intermedia</i>	Hall.	C. N. & G.	5	147	p. 144
			"					5, v.v. x 2
			Leptostrophia H. & C.					
L. H.	2431		<i>Becki</i>	Hall.	N. Y. S. M.	10	52	....
	2431 ₁		"	" "	Pal. N. Y.	3	191	22
	2431 ₂		"	" "	" "	3	191	22
	2431 ₃		"	" "	" "	3	191	22
	2431 ₄		"	" "	" "	3	191	22
	2431 ₅		"	" "	" "	3	191	22
	2431 ₆		"	" "	" "	3	191	22
	2431 ₇		"	" "	" "	3	191	22
			"	St. G. N. Y.	2	....	44	24, ext. d. v.
			H. & C.	" "	Pal. N. Y.	8, pt. I	288	13
			"	Hall.	" "	3	191	22
			"	" "	" "	3	191	22

LOCALITY.	REMARKS.
Lockport, N. Y.	As <i>Leptana depressa</i> Sowerby. Three individuals, nearly entire.
Rochester, N. Y.	" " " Very large ventral valve, exfoliated, imbedded.
Lockport, N. Y.	" " " Nearly entire dorsal valve, imbedded.
Rochester, N. Y.	" " " Rather small dorsal valve.
.....	" <i>Strophomena rugosa</i> Hisinger.
.....	" <i>S. rhomboidalis</i> .
{ Albany and Scho- harie Cos., N. Y. }	Five entire individuals and a large, imbedded, dorsal valve.
Clarksville, N. Y.	As <i>Strophomena rugosa</i> His. Dorsal valve, imbedded.
Schoharie, N. Y.	" " " " " " " " " " " "
.....	" <i>S. rhomboidalis</i> .
Helderberg Mts., N. Y.	A large, somewhat broken dorsal valve, imbedded.
Near Hudson, N. Y.	As <i>Strophomena rugosa</i> . Three internal casts dorsal valves.
Clarksville, N. Y.	" " " Two ventral valves.
.....	" <i>S. rhomboidalis</i> .
Clarksville, N. Y.	A somewhat broken ventral valve.
Near Hudson, N. Y.	As <i>Strophomena rugosa</i> . Three internal casts of ventral valves.
Schoharie, N. Y.	" " " Exfoliated ventral valve.
Waldron, Ind.	" <i>Strophomena rhomboidalis</i> . Ventral valve of med. size, imbedded.
" " " " " " " " " " " "	" " " Three entire adults.
.....	" " " " " " " " " " " "
Waldron, Ind.	A nearly entire, dorsal valve, imbedded.
.....	See <i>Plectambonites sericeus</i> .
.....	" <i>Amphistrophia striata</i> .
.....	" <i>Orthothes subplanus</i> .
.....	" <i>Christiania subquadrata</i> .
.....	" <i>Plectambonites transversalis</i> .
.....	As <i>Leptana</i> ? (Subgenus ?) <i>concaeva</i> .
.....	Made type of new genus <i>Leptanisca</i> .
Nr. Clarksville, N. Y.	Two ventral valves, both of which were used for second figure.
.....	See <i>Calospira concaeva</i> .
.....	" <i>Atrypina imbricata</i> .
Arisaig, N. S.	Exterior imprint of a small ventral valve.
.....	As <i>Strophomena</i> (<i>Strophodonta</i>) <i>Becki</i> .
Near Hudson, N. Y.	" <i>Strophodonta Becki</i> . Small ventral valve, imbedded.
Columbia, N. Y.	" " " Ventral valve, imbedded.
Helderberg Mts., N. Y.	" " " Two ventral valves, imbedded.
Schoharie, N. Y.	" " " Two old, much corrugated ventral valves.
.....	" " " " " " " " " " " "
Schoharie, N. Y.	As <i>Stropheodonta Leptostrophia</i> (<i>Becki</i>). Nearly entire adult med. size.
" " "	As <i>Strophodonta Becki</i> . Three ventral valves. Fig. 11 was made from two specimens.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
L. H.	2431	Type.	Leptostrophia H. & C.—Cont.	Pal. N. Y.	3	191	22	1m, s, t
"	"	"	Becki Hall.	"	3	191	23	3, int.
"	"	"	" "	St. G. N. Y.	2	....	44	23, int. v. v.
"	"	"	H. & C.	Pal. N. Y.	8, pt. 1	288	13	23, int. v. v.
"	2403	"	Lingula Bruguière.	"	3	155	9	1, 2
Cl.	1510	Fig'd.	centrilineata Hall.	"	2	54	20	1b, d? v.
Med.	1427	"	Clintoni (Vanux.) H.	Geol. N. Y.	4th D.	48	ct. 6	5
"	1427	"	cuneata (Con.) H.	"	52	ct. 10		1, n.s.
Niag.	1507	Type.	" "	Pal. N. Y.	2	8	4	2e, n.s.
"	"	"	lamellata Hall.	Geol. N. Y.	4th D.	109	ct. 38	2, v. v.
"	"	"	" "	Pal. N. Y.	2	249	53	1, 2
"	"	"	lamellata "	"	2	....	20	4a, b
"	"	"	oblata "	"	"	"	"	"
"	"	"	oblonga Conrad.	"	"	"	"	"
L. H.	2402	Type.	perlata Hall.	Pal. N. Y.	3	156	9	3, 4
"	2402	"	" "	"	3	156	9	5, 5a
Cl.	1508	"	perovata Hall.	"	2	55	20	3a, b
L. H.	2408	"	rectilatera Hall.	"	3	156	9	6, ext.
"	2408	"	" "	"	3	156	9	8
"	2404	"	spathata Hall.	"	3	157	9	7, II
"	2404	"	" "	"	3	157	9	9
"	2405	"	spatiola Hall.	"	3	158	9	10, 10a
Cl.	1507	"	taeniola H. & C.	"	8, pt. 1	18	4K	8, enl. x 1.5
"	"	"	Hall.	"	2	55	20	4a, b
"	"	"	Lissopleura Whitfield.	"	"	"	"	"
L. H.	2478	Gen. and Sp. Type.	æquivalvis Hall.	N. Y. S. M.	10	66	....	....
"	"	"	" "	Pal. N. Y.	3	224	29	2a-3c
"	"	"	Whitfield.	A. M. N. H.	8	231	p. 232	1-5
"	"	"	Merista Suess.	"	"	"	"	"
"	"	"	arcuata "	"	"	"	"	"
"	"	"	bella "	"	"	"	"	"
L. H.	2458	Type.	elongata Hall.	N. Y. S. M.	12	43	....	2, int.
"	"	"	" "	Pal. N. Y.	3	488	95A	4, "
"	"	"	lavis "	"	"	"	"	"
"	"	"	Meeki "	"	"	"	"	"
"	"	"	princeps "	"	"	"	"	"
"	"	"	subquadrata "	"	"	"	"	"
L. H.	2456	Type.	typus Hall.	N. Y. S. M.	12	42	....	1, 3-6
"	"	"	" "	Pal. N. Y.	3	487	95A	2a, b, 3, 5, 6
"	"	"	H. & C.	St. G. N. Y.	13	....	33	12-14
"	"	"	" "	Pal. N. Y.	8, pt. 2	71	42	7, 8, 10
"	"	"	sp "	"	3	252	45	1a-c
"	"	"	Meristella Hall.	"	"	"	"	"
L. H.	2449	Type.	arcuata Hall.	N. Y. S. M.	10	95	....	....
"	2449	"	" "	Pal. N. Y.	3	249	41	1c-e, t
"	2449	"	" "	"	3	249	41	1f-o
"	2449	"	H. & C.	"	8, pt. 2	76	43	1, 2
"	2449	"	" Hall.	"	3	249	41	1p, int.
"	"	Fig'd.	" "	"	3	250	41	2a-g

LOCALITY.	REMARKS.
Near Hudson, N. Y.	As <i>Strophodonta Becki</i> . Internal casts of two large ventral valves.
" "	" " " Interior imprint large dorsal valve.
.....	" " " "
Near Hudson, N. Y.	As <i>Stropheodonta Leptostrophia (Becki)</i> . Large vent. valve, imb.
Clarksville, N. Y.	A large and a small individual, imbedded separately.
Martville, N. Y.	As <i>Lingula oblonga</i> Con. Dorsal? valve, imbedded.
Medina, N. Y.	Internal cast retaining some shell; referred to this figure.
.....	As rill markings.
Near Lockport, N. Y.	Small slab bearing three valves and strong rill marks.
Lockport, N. Y.	Two ventral valves of medium size, imbedded.
.....	See <i>L. taniola</i> .
.....	" <i>Dignonia oblata</i> .
.....	" <i>Lingula Clintoni</i> .
Clarksville, N. Y.	Exfoliated individual showing both valves.
Schoharie, N. Y.	Part of a large somewhat exfoliated valve, imbedded.
Rochester, N. Y.	Imprint from which much of shell has been lost.
Schoharie, N. Y.	Small exfoliated individual, imbedded.
Nr. Hudson, N. Y.	Large, exfoliated, distorted valve, imbedded.
Clarksville, N. Y.	Individual of medium size.
Schoharie, N. Y.	Large, imbedded individual.
Near Hudson, N. Y.	Large valve, imbedded.
Clinton, N. Y.	As <i>Lingula lamellata</i> Hall. Well preserved ventr. valve, imbedded.
.....	" <i>Rhynchonella equivalvis</i> .
.....	" " (?) "
Helderberg Mts., N. Y.	Made generic type. Six more or less exfoliated individuals.
.....	See <i>Meristella arcuata</i> .
.....	" " <i>bella</i> .
.....	As <i>Camarium elongatum</i> .
Cumberland, Md.	" <i>Merista (Camarium) elongata</i> . Ventral valve, silicified.
.....	See <i>Meristella lavis</i> .
.....	" " <i>Meeki</i> .
.....	" " <i>princeps</i> .
.....	" " <i>subquadrata</i> .
.....	As type of genus <i>Camarium</i> .
.....	" <i>Merista (Camarium) typus</i> .
Cumberland, Md.	A weathered individual and a ventral valve, silicified.
.....	See <i>Meristella</i> sp.
.....	As <i>Merista arcuata</i> .
Helderberg Mts., N. Y.	As <i>Merista (=Meristella) arcuata</i> . Two small, very perfect individuals and a large one worn so as to show part of spires.
.....	As <i>Merista (=Meristella) arcuata</i> .
Near Schoharie, N. Y.	Four entire individuals and a somewhat broken ventral valve. The locality given in the last reference is questionable.
Near Hudson, N. Y.	As <i>Merista (=Meristella) arcuata</i> . Internal cast small ventr. valve.
" " "	" " " prob. = <i>M. arcuata</i> . Two entire internal casts and two casts of large ventral valves.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
L. H.	2450 ₁	Type.	Meristella Hall—Cont. bella Hall.	N. Y. S. M. Pal. N. Y.	10 3	92 248	 40	 1a-l
"	2450 ₂	"	" H. & C. " Hall.	" " " "	8, pt. 2 3	76 248	43 40	7-9 1m-p
"	2451 ₁	Fig'd Sp. and Gen. Type.	laevis (<i>Vanux.</i>).... Hall.	" "	3	247	39	2a-3e
"	2451 ₂	"	" H. & C. " (<i>Vanux.</i>)..... H.	N. Y. S. M. Pal. N. Y.	13 3	74 247	 39	 3f-k
"	2451 ₃	"	" H. & C. " (<i>Vanux.</i>)..... H.	" " " "	8, pt. 2 3	75 247	43 39	5, 6 4a-d
L. H.	2457	Type.	Maria Meeki Hall.	N. Y. S. M. Pal. N. Y.	10 3	97 252	 44	 6a-d
"	2454 ₁	"	princeps..... Hall.	N. Y. S. M. Pal. N. Y.	10 3	95 251	 44	 1a,b,4a-5d
"	2452 ₁	Type.	" H. & C. subquadrata Hall.	N. Y. S. M. Pal. N. Y.	8, pt. 2 10	78 93	43	10-13
"	2452 ₂	"	" H. & C.	" " " "	3 3	249 249	40 40	2c-f 3a-d
"	2455	Fig'd.	sp..... Hall.	" "	8, pt. 2 3	78 252	43 45	14, 15 1a-c
Niag.	1936	Gen. and Sp. Type.	Meristina Hall. Maria Hall.	T. A. I. N. Y. S. M.	4 28	212 159	 25	 8-11
"	"	"	" H. & C.	St. G. N. Y. Pal. N. Y.	28 13	159	25 33	9, 10, 12 1, 2
"	"	"	" (Hall)... H. & C.	St. G. N. Y. Pal. N. Y.	8, pt. 2 13	67	41 33	2, 3 3, 4
"	2058	Type.	" (Hall)... H. & W. nitida.....	Pal. Ohio.	8, pt. 2 2	67 132	41 7	5, 6 5, 6
Niag.	2196	Type.	Nucleospira Hall. concentrica Hall.	Pal. N. Y.	3	223	28B	16, 19
L. H.	2468 ₁	"	elegans Hall.	" " " "	3 3	222 222	28B 28B	10, 11, 14 12c, d
"	2468 ₂	"	" H. & C.	St. G. N. Y. Pal. N. Y.	3 13	222	28B 38	13a, b 27, 28
Niag.	1778 ₁	"	pisiformis Hall.	N. Y. S. M. Pal. N. Y.	8, pt. 2 12	145 25	48	8, 9
"	1778 ₂	"	" Pal. N. Y.	N. Y. S. M.	2 28	250 160	52 25	1b-e 22-28
L. H.	2468 ₃	Gen. and Sp. Type.	ventricosa Hall.	" " Pal. N. Y.	10 3	57 220	 14	 1a-h
"	"	"	" Pal. N. Y.	" " " "	3 3	220 220	28B 28B	2-4 5, 9, 9a
"	"	"	" H. & C.	St. G. N. Y. Pal. N. Y.	3 8, pt. 2	220 144	28B 48	6-8 24, 25 4, 5

LOCALITY.	REMARKS.
.....	As <i>Merista bella</i> .
.....	" <i>Merista</i> (= <i>Meristella</i>) <i>bella</i> .
The Helderbergs, N. Y.	Five perfect individuals. Locality incorrect in last reference.
Nr. Schoharie, N. Y.	As <i>Merista</i> (= <i>Meristella</i>) <i>bella</i> . Very large, entire individual.
.....	" " " <i>lavis</i> .
The Helderbergs, N. Y.	Genus <i>Meristella</i> defined. Six small individuals.
Schoharie, N. Y.	As <i>Merista</i> (= <i>Meristella</i>) <i>lavis</i> . Three indiv., partly exfoliated.
The Helderbergs, N. Y.	Two adult individuals; partly exfoliated.
Catskill Creek, N. Y.	As <i>Merista</i> (= <i>Meristella</i>) <i>lavis</i> . A ventral valve and two internal casts of ventral valves.
.....	See <i>Meristina Maria</i> .
.....	As <i>Merista Meeki</i> .
Tennessee.	" " A nearly perfect adult, silicified.
.....	" " <i>princeps</i> .
.....	" <i>Merista</i> (= <i>Meristella</i> ?) <i>princeps</i> .
Carlisle, N. Y.	Four individuals. Locality incorrect in last reference.
.....	As <i>Merista subquadrata</i> .
The Helderbergs, N. Y.	" <i>Merista</i> (= <i>Meristella</i>) <i>subquadrata</i> . Entire, young individual.
Schoharie, N. Y.	An adult with lower part of ventral valve worn away so as to show position of spires.
Carlisle, N. Y.	As <i>Merista</i> (= <i>Meristella</i>) sp. undet. Three very small individuals which may be the young of more than one species.
.....	Genus defined, Pal. N. Y., vol. 4, p. 299.
.....	As <i>Meristella Maria</i> .
Waldron, Ind.	A small and a large individual.
" "	A very perfect adult.
" "	Two opposite valves, entire.
Yellow Springs, O.	Internal cast of large individual, entire.
.....	See <i>Whitfeldella nitida</i> .
Decatur Co., Tenn.	Three individuals, one showing spires. From the Meniscus beds in the "Glade" region.
Near Clarksville, N. Y.	Three entire indiv., ventr. valve of one broken away showing spires.
Cumberland, Md.	A large adult.
Cherry Valley, N. Y.	A large, gibbous individual.
Wolcott, N. Y.	As <i>Orthis pisum</i> Sow. A young and an adult individual.
Waldron, Ind.	Three individuals of different degrees of ventricosity.
.....	As <i>Spirifer ventricosus</i> .
Nr. Clarksville, N. Y.	Eight entire individuals. Original of if is doubtfully present.
" " "	Two entire individuals and an entire internal cast.
" " "	Two fragments showing spires, used, with others, for the figures.
" " "	Two detached, opposite valves and a dorsal valve to which the umbonal part of the ventral valve adheres.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Obolus Eichwald.					
			<i>Conradi</i>					
			Orbicula Cuvier.					
			<i>corrugata</i>					
			<i>squamiformis</i>					
			<i>tenuilamellata</i>					
			Orbiculoidea d'Orb.					
L. H.	2408	Type.	<i>Conradi</i>.....Hall.	Pal. N. Y.	3	161	9	12, 12a
"	2408	"	".....	"	3	161	9	16-17a
"	2407	"	<i>discus</i>.....Hall.	"	3	159	9	13-15b, 16a
Niag.	1762	"	<i>tenuilamellata</i>.....Hall.	"	2	250	53	3, ext.
L. H.	2408	"	? <i>Vanuxemi</i>.....Hall.	"	3	162	8	1-1b
			Orthis Dalman.					
			<i>assimilis</i>					
			<i>circulus</i>					
			<i>concinna</i>					
			<i>deformis</i>					
			<i>discus</i>					
			<i>elegantula</i>					
			<i>eminens</i>					
			<i>fasciata</i>					
Niag.	1515	Type.	<i>flabellites</i>.....Hall.	N. Y. S. M.	20	397		
"	"	"	".....	Pal. N. Y.	2	254	52	6a-c, g
"	"	"	".....	"	2	254	52	6d, int.
"	"	"	".....	"	2	254	52	6e, int.
"	"	"	".....	"	2	254	52	6f, card.
"	"	Fig'd.	" ?	"	2	255	52	7a-d
			<i>flabellulum</i>					
			<i>hybrida</i>					
			<i>insignis</i>					
			<i>interstriata</i>					
			<i>multistriata</i>					
			<i>oblata</i>					
			" var. <i>emarginata</i>					
			<i>peduncularis</i>					
			<i>perelegans</i>					
			<i>pisum</i>					
			<i>planoconvexa</i>					
			<i>punctostriata</i>					
			<i>pyramidalis</i>					
			<i>strophomenoides</i>					
			<i>subcarinata</i>					
			<i>tenuidens</i>					
			<i>trinucleus</i>					
			<i>tubulostriata</i>					
			<i>varica</i>					
			Orthostrophia Hall.					
Niag.	1768	Type.	<i>fasciata</i>.....Hall.	Pal. N. Y.	2	255	52	8a, b
L. H.	2422	Gen. and Sp. Type.	<i>strophomenoides</i>.....Hall.	N. Y. S. M.	10	46		
"	"	"	".....	Pal. N. Y.	3	177	14	2a-c, f
"	"	"	".....	"	3	177	14	2d, e
			".....	"			23	7f
			".....	St. G. N. Y.	2	....	36	33, int. v. v.
			H. & C.	"	11	....	10	8, " "
			".....	Pal. N. Y.	8, pt. 1	200	6	33, " "

LOCALITY.	REMARKS.
.....	See <i>Dinobolus Conradi</i> .
.....	See <i>Lichenalia concentrica</i> ,
.....	" <i>Pholidops squamiformis</i> .
.....	" <i>Orbiculoidea tenuilamellata</i> .
Near Hudson, N. Y.	As <i>Discina Conradi</i> . A small ventral valve, imbedded.
Clarksville, N. Y.	" " " A large, exfoliated dorsal valve, imbedded.
Near Hudson, N. Y.	" " <i>discus</i> . Three large, exfoliated ventr. valves, imbedded.
Lockport, N. Y.	" <i>Orbicula tenuilamellata</i> . A broken ventral valve, imbedded.
	May be a <i>Schizotreta</i> .
Manlius Square, N. Y.	As <i>Discina Vanuxemi</i> . Exfoliated dorsal valve, imbedded.
.....	See <i>Rhipidomella assimilis</i> .
.....	" " <i>circulus</i> .
.....	" " <i>concinna</i> .
.....	" <i>Orthothetes deformis</i> .
.....	" <i>Rhipidomella discus</i> .
.....	" <i>Dalmanella elegantula</i> .
.....	" <i>Rhipidomella eminens</i> .
.....	" <i>Orthostrophia fasciata</i> .
	Name first used in a list without defining the species.
Rochester, N. Y.	As <i>Orthis flabellulum</i> Sow., var.? Entire individual, compressed.
" "	" " " " " Dorsal valve.
" "	" " " " " Internal cast ventral valve.
" "	" " " " " Imbedded ventral valve, retain-
" "	ing cast of dorsal valve.
" "	As <i>Orthis flabellulum</i> ? var.? Individual, nearly entire.
.....	See <i>Orthis flabellites</i> .
.....	" <i>Rhipidomella hybrida</i> .
.....	" <i>Scenidium insigne</i> .
.....	" <i>Orthothetes interstriatus</i> .
.....	" <i>Schizophoria multistriata</i> .
.....	" <i>Rhipidomella oblata</i> .
.....	" " var. <i>emarginata</i> .
.....	" <i>Schizophoria peduncularis</i> .
.....	" <i>Dalmanella perelegans</i> .
.....	" <i>Nucleospira pisiiformis</i> .
.....	" <i>Dalmanella planoconvexa</i> .
.....	" <i>Porambonites punctostriatus</i> .
.....	" <i>Scenidium pyramidale</i> .
.....	" <i>Orthostrophia strophomenoides</i> .
.....	" <i>Dalmanella subcarinata</i> .
.....	" " <i>testudinaria</i> .
.....	" <i>Rhipidomella trinuclens</i> .
.....	" " <i>tubulostriata</i> .
.....	" <i>Bilobites varicus</i> .
Rochester, N. Y.	As <i>Orthis fasciata</i> . Interior imprint of two opposite valves.
.....	" " <i>strophomenoides</i> .
Nr. Clarksville, N. Y.	" " " Three exfoliated dorsal valves, imbedded.
.....	" " " "
.....	Made type of genus <i>Orthostrophia</i> .
Nr. Clarksville, N. Y.	Two large internal casts of ventral valve, imbedded.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
L. H.	2422	Gen. and Sp. Type.	Orthostrophia Hall— <i>Cont.</i> <i>strophomenoides</i> .. Hall.	Pal. N. Y.	3	177	14	2g-k
"	"	"	" " "	" "	3	177	23	7d, g
"	"	"	" " "	St. G. N. Y.	2	....	23	7a, b
"	"	"	" <i>H. & C.</i>	Pal. N. Y.	8, pt. 1	200	36	32, d. v.
"	"	"	" <i>Hall.</i>	" "	3	177	6	32, "
"	"	"	" " "	St. G. N. Y.	2	....	23	7c, int.
"	"	"	" <i>H. & C.</i>	" "	11	....	36	34, "
"	"	"	" " "	Pal. N. Y.	8, pt. 1	200	10	7, "
"	"	"	" " "	" "	"	"	6	34, "
L. H.	2427	Type.	Orthothetes Fischer. <i>deformis</i> Hall.	N. Y. S. M.	10	44	....	....
"	"	"	" " "	Pal. N. Y.	3	174	10A	13a, b
"	"	"	" " "	" "	"	"	15	3a, b
"	"	"	" <i>H. & C.</i>	St. G. N. Y.	2	....	39	32, d. v.
Cor. Niag.	1854	Type.	<i>interstriatus</i> Hall.	Pal. N. Y.	8, pt. 1	255	9	32, "
"	1881	Fig'd.	<i>subplanus</i> (Con.) .. Hall.	" "	2	326	74	1a, b, 2a, b
"	"	"	" " "	" "	2	259	53	8a, "
"	"	"	" " "	" "	2	259	53	int. d. v.
"	"	"	" " "	" "	2	259	53	8b, c
"	1521	"	" " "	" "	2	259	53	9a, d. v.
"	1521	"	" " "	" "	2	259	53	9b, "
"	1521	"	" " "	" "	2	259	53	int. d. v.
"	1521	"	" " "	" "	2	259	53	10a, c
"	1521	"	" " "	" "	2	259	53	10b, card
"	1521	"	" " "	N. Y. S. M.	28	151	21	26, 27
"	"	"	" " "	St. G. N. Y.	2	....	39	21, 23
"	"	"	" <i>H. & C.</i>	Pal. N. Y.	8, pt. 1	255	9	21, 23
"	"	"	" (Con.) Hall.	N. Y. S. M.	28	151	21	28-32
"	"	"	" " "	" "	"	"	"	"
"	"	"	" <i>H. & C.</i>	St. G. N. Y.	2	....	39	22, 24
Cl. Niag.	1521	"	" (Con.) Hall.	Pal. N. Y.	8, pt. 1	255	9	22, 24
"	1930	Type.	<i>tenuis</i> Hall.	" "	2	103	31	2
"	"	"	" " "	T. A. I.	4	210	....	....
"	"	"	" " "	N. Y. S. M.	28	150	23	11-13
L. H.	2425	"	Woolworthanus .. Hall.	" "	10	48	....	....
"	"	"	" " "	Pal. N. Y.	3	192	17	1a-f
"	"	"	" " "	St. G. N. Y.	2	....	39	25, 26
"	"	"	" <i>H. & C.</i>	Pal. N. Y.	8, pt. 1	255	9	25, 26
"	"	"	" <i>Hall.</i>	" "	3	192	17	ih-k
"	"	"	" " "	St. G. N. Y.	2	....	39	31, "
"	"	"	" <i>H. & C.</i>	Pal. N. Y.	8, pt. 1	255	9	int. v. v.
"	2425	"	" <i>Hall.</i>	" "	3	192	17	31, "
"	2425	"	" " "	" "	3	192	17	int. v. v.
"	2425	"	" " "	" "	3	192	17	11, v. v.
"	2425	"	" " "	" "	3	192	17	1m, "
"	"	"	" " "	St. G. N. Y.	2	....	39	1n-r
"	"	"	" <i>H. & C.</i>	Pal. N. Y.	8, pt. 1	255	9	27, 28
"	"	"	" <i>Hall.</i>	" "	3	192	17	27, 28
"	2425	"	" " "	" "	3	192	17	1s, t
"	"	"	" " "	" "	3	192	17	2a, c
			Pentamerella Hall. <i>ventricosa</i>					
			Pentamerus Sowerby. <i>galeatus</i>					

LOCALITY.	REMARKS.
.....	As <i>Orthis strophomenoides</i> .
Nr. Clarksville, N. Y.	" " " Int. casts of three dorsal valves, imbedded.
.....	" " "
Nr. Clarksville, N. Y.	An imperfect dorsal valve, imbedded.
.....	As <i>Orthis strophomenoides</i> .
Nr. Clarksville, N. Y.	Somewhat broken internal cast of dorsal valve, imbedded with <i>O. (Rhipidomella) oblata</i> , fig. 21, pl. 10.
.....	As <i>Orthis deformis</i> .
.....	" " "
.....	" " "
.....	" <i>Streptorhynchus deforme</i> .
Schoharie, N. Y.	Two entire adults.
Schoharie, N. Y.	As <i>Orthis interstriata</i> . Two indiv. imbedded on opposite valves.
Rochester, N. Y.	" <i>Leptana subplana</i> . Small dorsal valve, imbedded.
" "	" " " Int. impr. ventr. valve retaining some shell.
" "	" " " Exterior imprint dorsal valve; nearly half has been broken away since the figure was made.
Wolcott, N. Y.	As <i>Leptana subplana</i> . Central part of hinge of dorsal valve.
Lockport, N. Y.	" " " Large ventral valve, imbedded.
Rochester, N. Y.	" " " Large individ., partly exfoliated, imbedded.
.....	As <i>Streptorhynchus subplanum</i> . Fig. 27 is an enl. $\times 1\frac{1}{2}$.
.....	" " " 21
Waldron, Ind.	A dorsal and a ventral valve imbedded separately. Locality is in- correct in last reference for fig. 21. Fig. 21 is an enl. $\times 1\frac{1}{2}$.
.....	As <i>Streptorhynchus subplanum</i> . For. fig. 33 vid. <i>Strophonella</i> <i>semifasciata</i> .
.....	As <i>Streptorhynchus subplanum</i> .
Waldron, Ind.	Two entire adults, one of which is very old.
Mohawk, N. Y.	As <i>Leptana obscura</i> ? Exterior-interior imprint ventral valve.
.....	As <i>Streptorhynchus tenuis</i> .
Waldron, Ind.	" " " Large opposite valves imbedded sepa- rately. Somewhat imperfect.
.....	As <i>Strophomena Woolworthana</i> .
.....	" " "
.....	" <i>Streptorhynchus Woolworthanum</i> .
Near Schoharie, N. Y.	Three individuals. The locality is incorrect in last reference.
.....	As <i>Strophomena Woolworthana</i> .
.....	" <i>Streptorhynchus Woolworthanum</i> .
Near Schoharie, N. Y.	Three ventral valves, adult. Locality incorrect in last reference.
Schoharie, N. Y.	As <i>Strophomena Woolworthana</i> . Very large ventr. valve, imbedded.
Near Hudson, N. Y.	" " " Internal cast of large ventr. valve.
.....	" " "
.....	" <i>Streptorhynchus Woolworthanum</i> .
Near Schoharie, N. Y.	Two dorsal valves, one imbedded. Local. incor. in last reference.
" " "	These figs. were prob. made from one of the preceding individuals.
Near Hudson, N. Y.	As <i>Strophomena Woolworthana</i> . Two internal casts of dorsal valves.
.....	" " "
.....	See <i>Barrandella ventricosa</i> .
.....	See <i>Siebertella galeata</i> .

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Pentamerus Sow.—Cont.					
			<i>Littoni</i>					
			<i>nucleus</i>					
Cl.	1548	Fig'd.	oblongus (Sow.)...Hall.	Geol. N. Y.	4th D.	70	ct. 15	I ext.
"	"	"	" " " "	Pal. N. Y.	2	79	25	1b, "
"	"	"	" " " "	" "	2	79	25	1a, d, v.
"	"	"	" " " "	" "	2	79	25	1c, e
"	"	"	" " " "	" "	2	79	25	1d,
Cl. or N.	1548	"	" " " "	" "	2	79	25	ext. d. v.
"	1548	"	" " " "	" "	2	79	25	1l, m
"	1548	"	" " " "	" "	2	79	25	1n, side
"	2	"	" " " "	" "	2	79	26	1a-d
			<i>occidentalis</i>					
Cl.	1608	Type.	<i>ovalis</i>	Pal. N. Y.	2	103	31	I, 1a
			<i>pseudogaleatus</i>					
			<i>Verneuli</i>					
			<i>ventricosus</i>					
			Pholidops Hall.					
Cl.	1627	Type.	<i>acadiensis</i>	C. N. & G.	5	144	....	I
Niag.	1929	"	<i>ovalis</i>	T. A. I.	4	209		
			" " " "	Pal. N. Y.	4	....	3	I, 2
			" " " "	N. Y. S. M.	28	149	21	I, 2
			H. & C.	St. G. N. Y.	11	....	7	15, prof.
			" " " "	Pal. N. Y.	8, pt. 1	157	41	20, 32
Niag.	1763	Gen. and Sp. Type.	<i>squamiformis</i>	Geol. N. Y.	4th D.	108	....	I
			" " " "	Pal. N. Y.	2	250	53	4a, b
			Platystrophia King.					
Cl.	888	Fig'd.	<i>lynx</i> (v. Eichw.)...Hall.	" "	2	65	22	1a-e
			Plectambonites Pander					
Cl.	704	Fig'd.	<i>sericeus</i> (Sow.)...Hall.	Geol. N. Y.	4th D.	73	ct. 17	I, int.
"	"	"	" " " "	Pal. N. Y.	2	59	21	1a, ext.
"	"	"	" " " "	" "	2	59	21	1b, d
"	"	"	" " " "	" "	2	59	21	1c, e
Niag.	1769	"	<i>transversalis</i> (Wahl.)H.	" "	2	256	53	5a-i
"	2 & 3	"	" " " "	" "	2	256	53	5k, l
"	1769	"	H. & C.	St. G. N. Y.	11	....	19	3, int.
"	"	"	" (Wahl.)Hall.	Pal. N. Y.	8, pt. 1	296	15	36, int.
"	"	"	H. & C.	St. G. N. Y.	2	....	46	34, 35
"	"	"	" " " "	" "	11	....	19	1, ext. v. v.
"	"	"	" " " "	Pal. N. Y.	8, pt. 1	296	15	34, 35
			Porambonites Pander.					
Cl.	1547	Type.	<i>punctostriatus</i> ...Hall.	" "	2	254	52	5a-c
			Rafinesquina H. & C.					
Cl.	1517	Type.	<i>obscura</i>	" "	2	62	21	6b, v. v.
			Rensselæria Hall.					
L. H.	2505	Type.	<i>æquiradiata</i>	" "	3	255	45	3a-g
			H. & C.	" "	8, pt. 2	258	76	23-25
"	2503	"	<i>lævis</i>	" "	3	256	40	2a, b

LOCALITY.	REMARKS.
.....	See <i>Conchidium Littoni</i> . " <i>Sieberella nucleus</i> .
Rochester, N. Y. " " " "	Large, somewhat exfoliated ventral valve, imbedded. Large, nearly entire individual. Two ventral valves imbedded together. Broad dorsal valve of medium size, imbedded.
Iowa. Milwaukee, Wis. Springfield, O.	Siliceous internal cast of a rather small individual. Internal cast of a large individual. Internal cast of a very large, gibbous individual.
..... Mohawk, N. Y.	See <i>Conchidium occidentale</i> . Two internal casts, imbedded together. See <i>Sieberella pseudogaleata</i> . " <i>Anastrophia Verneuihi</i> . " <i>Barrandella ventricosa</i> .
Arisaig, N. S.	As <i>Crania acadiensis</i> . Interior imprint ventral? valve.
..... Waldron, Ind.	As <i>Pholidops hamiltonia</i> Hall by error. An entire individual. The enl. are $\times 5$. Fig. 32 of the last reference is erroneously referred to <i>P. hamiltonia</i> in expl. of plate.
Lockport, N. Y.	As <i>Orbicula ? squamiformis</i> . Ventr. ?-valve of med. size, imbedded.
Reynale's Basin, N. Y.	As <i>Spirifera biforata</i> (Schloth.) var. <i>lynx</i> (Eichw.) Four ventral valves; two imbedded; one shows interior.
Sodus, N. Y. " " " " " "	As type of <i>Strophomena elegantula</i> Hall. Cast of ventral valve with shell exfoliated, imbedded. As <i>Leptana sericea</i> . Exfoliated cast of ventral valve imbedded with <i>Atrypa reticularis</i> , fig. 8a, pl. 23. As <i>Leptana sericea</i> . Ventral valve, imbedded. " " Internal cast ventral valve, imbedded.
{ Rochester and } { Wolcott, N. Y. }	" " " Four individuals of progressive size. " " "
Lockport, N. Y.	Large dorsal valve showing the muscular scars, etc. As <i>Leptana sericea</i> .
Lockport, N. Y.	Two individuals; one imbedded.
" "	As <i>Orthis punctostriata</i> . Two indiv.; one w. shell partly removed.
New Hartford, N. Y.	As <i>Leptana obscura</i> . Imperfect imprint large ventral valve.
{ Schoharie and } { Carlisle, N. Y. } Carlisle, N. Y.	Two somewhat exfoliated individuals. Entire individual, imbedded. May not belong to this genus.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
L. H.	$\frac{2509}{2}$	Type.	Rensselaeria Hall— <i>Cont.</i> <i>mutabilis</i>.....Hall.	Pal. N. Y.	3	254	45	2d-i, n-p
			H. & C.	St. G. N. Y.	13	....	50	1, 2
"	$\frac{2509}{1}$	"	".....Hall.	Pal. N. Y.	8, pt. 2	258	76	1, 2
			".....Hall.	"	3	254	45	2k-m
			Retzia King. <i>evax</i>					
			Rhipidomella Oehlert. <i>assimilis</i>.....Hall.	Pal. N. Y.	3	175	15	1a-d
L. H.	$\frac{2417}{2}$	Type.	".....Hall.	"	3	175	15	1e
Cl.	1513	"	<i>circulus</i>.....Hall.	"	2	56	20	6a-e, g
			H. & C.	"	8, pt. 1	210	6A	1, 2
"	"	"	".....Hall.	"	2	56	20	6f, int.
L. H.	2413	"	<i>discus</i>.....Hall.	"	3	165	10A	7-10d
"	"	"	".....Hall.	"	3	165	10A	11, 12
"	$\frac{2420}{8}$	"	<i>eminens</i>.....Hall.	N. Y. S. M.	10	42	....	1
"	$\frac{2420}{1}$	"	".....Hall.	Pal. N. Y.	3	167	11	13
			".....Hall.	N. Y. S. M.	10	42	....	2
Niag.	$\frac{1766}{1}$	Fig'd.	<i>hybrida</i> (Sow.)....Hall.	Pal. N. Y.	3	167	11	8, 9, 12
"	$\frac{1766}{1}$	"	".....Hall.	"	2	253	52	4a, c-h, o
"	$\frac{1766}{2}$	"	".....Hall.	"	2	253	52	4b, d, v.
"	$\frac{1766}{3a}$	"	".....Hall.	"	2	253	52	4i, int.
			".....Hall.	"	2	253	52	4k-m
			".....Hall.	St. G. N. Y.	2	....	36	4, 5
			H. & C.	"	11	....	12	3, int.v.v.
"	$\frac{1766}{1}$	"	" (Sow.)....Hall.	Pal. N. Y.	8, pt. 1	210	6	4, 5
"	$\frac{1766}{8}$	"	".....Hall.	"	2	253	52	4n, int.
"	"	"	".....Hall.	N. Y. S. M.	28	149	21	18-21
"	"	"	".....Hall.	"	28	149	21	24, 25
"	$\frac{1766}{3a}$	"	".....Hall.	St. G. N. Y.	2	....	36	1-3
			H. & C.	"	11	....	12	1, 2
L. H.	$\frac{2413}{1}$	Type.	<i>oblata</i>.....Hall.	Pal. N. Y.	8, pt. 1	210	6	1-3
"	"	"	".....Hall.	N. Y. S. M.	10	41	....	....
"	"	"	".....Hall.	Pal. N. Y.	3	162	10	1-10
"	"	"	".....Hall.	"	3	162	10	11-14
"	"	"	H. & C.	"	8, pt. 1	210	6A	4, int.
"	"	"	".....Hall.	"	3	162	10	15-17
"	$\frac{2413}{8}$	"	H. & C.	"	8, pt. 1	210	6A	3, int.
"	$\frac{2413}{1}$	"	".....Hall.	"	3	162	10	19, 20
"	$\frac{2413}{2}$	"	".....Hall.	"	3	162	10	21, int.
"	$\frac{2413}{3}$	"	".....Hall.	"	3	162	10	22, "
"	$\frac{2413}{8}$	"	<i>var. emarginata</i> .H.	"	3	164	10A	4a-d
"	"	"	".....Hall.	"	3	164	10A	5a, b
"	"	"	".....Hall.	"	3	164	10A	6a, b
Cl.	1511	Type.	<i>trinucleus</i>.....Hall.	"	2	58	20	8a, b
L. H.	2416	"	<i>tubulostriata</i>.....Hall.	N. Y. S. M.	10	42	....	....
			".....Hall.	Pal. N. Y.	3	166	11	1-6
			Rhynchonella Fischer. <i>abrupta</i>					
Niag.	1942	Type.	<i>acinus</i>.....Hall.	T. A. I.	4	215	....	....
			".....Hall.	N. Y. S. M.	28	163	26	7-11
			<i>acutiplicata</i>					

LOCALITY.	REMARKS.
Near Hudson, N. Y. The Helderbergs, N. Y.	Six individuals, young and adult. A very gibbous individual; ventral valve partly broken away.
.....	See <i>Homoospira evax</i> .
Schoharie, N. Y. Clarksville, N. Y.	As <i>Orthis assimilis</i> . Small, somewhat exfoliated individual. " " " Int. cast very large ventr. valve, imbedded.
Reynale's Basin, N. Y.	" " <i>circulus</i> . A very perfect adult.
Clarksville, N. Y.	As <i>Orthis circulus</i> . Ventral valve worn down so as to show internal characters. May have come from Sodus, N. Y. As <i>Orthis discus</i> . Four entire individuals. " " " A ventral valve and internal cast of a dorsal valve.
Schoharie, N. Y.	" " <i>eminens</i> . " " " A very large, entire individual.
Clarksville, N. Y.	" " " Three entire individuals.
Wolcott, N. Y.	" " <i>hybrida</i> . Three individuals.
Rochester, N. Y.	" " " Individual of medium size.
Wolcott, N. Y.	" " " Small ventral valve, imbedded " " " " " "
Lockport, N. Y.	A small dorsal and a large ventral valve.
Rochester, N. Y.	As <i>Orthis hybrida</i> . Interior imprint small dorsal valve.
Waldron, Ind.	" " " Three individuals. " " " A dors. and a ventr. valve; each shows interior. " " "
Lockport, N. Y.	A large, perfect individual.
Clarksville, N. Y.	As <i>Orthis oblata</i> . " " " Ten entire individuals.
Clarksville, ? N. Y.	Four dorsal valves from Albany Co.
Clarksville, N. Y.	As <i>Orthis oblata</i> . Three ventral valves.
Catskill Creek, N. Y.	Two internal casts of ventral valves, imbedded.
Near Clarksville, N. Y.	As <i>Orthis oblata</i> . Internal cast large dorsal valve, imbedded with <i>O. (Orthostrophia) strophomenoides</i> , fig. 7c, pl. 23.
Near Hudson, N. Y.	As <i>Orthis oblata</i> var. <i>emarginata</i> . Int. cast large dors. valve., imb.
Cumberland, Md.	" " " " " Three entire individuals, silicified.
" " "	" " " " " Two opposite valves, " "
Wayne Co., N. Y.	" " " " " Entire internal cast, " "
Wayne Co., N. Y.	As <i>Orthis trinucleus</i> . Dorsal (?) valve, imbedded, and its imprint. From Tubal's Mill.
Clarksville, N. Y.	As <i>Orthis tubulostriata</i> . " " " Six indiv.; the orig. of fig. 4 is considerably broken.
.....	See <i>Uncinulus abruptus</i> .
Waldron, Ind.	Two entire individuals. Figs. enlarged to two, not four, diameters.
.....	See <i>Stenoschisma formosum</i> .

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Rhynchonella Fischer—Cont.					
			<i>aquivalvis</i>					
			<i>altiplicata</i>					
			<i>bialveata</i>					
			<i>Campbellana</i>					
Cl.	1786	Type.	<i>emacerata</i> Hall.	Pal. N. Y.	2	71	23	6a-c
			<i>eminens</i>					
			<i>formosa</i>					
			<i>indianensis</i>					
			<i>mutabilis</i>					
			<i>neglecta</i>					
			<i>nobilis</i>					
Med.	1430	Type.	<i>nucleolata</i>					
			<i>plicata</i> Hall.	Pal. N. Y.	2	10	4	6, d, v.
			<i>pyramidata</i>					
			<i>reticulata</i>					
			<i>rudis</i>					
			<i>Saffordi</i>					
			<i>semiplicata</i>					
			<i>Stricklandi</i>					
Niag.	1889	Fig'd Sp.	<i>sulcoplicata</i>					
			<i>tennesseensis</i> (Ram.) . H.	Pal. O.	2	136	7	16, 17
			<i>transversa</i>					
			<i>vellicata</i>					
			<i>ventricosa</i>					
			<i>Whitii</i>					
			Rhynchospira Hall.					
			<i>apriniformis</i>					
			<i>evax</i>					
L. H.	2468	Gen. and Sp. Type.	<i>formosa</i> Hall.	N. Y. S. M.	10	88		
			"	Pal. N. Y.	3	215	36	2a-t
			"	N. Y. S. M.	12	29		
			H. & C.	St. G. N. Y.	13	36		8, d, v.
			"	Pal. N. Y.	8, pt. 2	110	50	21, "
"	2468	"	" Hall.	"	3	485	95A	8-11
			H. & C.	St. G. N. Y.	13	36		int. X 2
			"	Pal. N. Y.	8, pt. 2	110	50	int. X 2
"	2464	Type.	<i>globosa</i> Hall.	N. Y. S. M.	10	87		
			"	Pal. N. Y.	3	215	36	1a-p
"	2466		<i>rectirostra</i> Hall.	N. Y. S. M.	10	89		
			"	Pal. N. Y.	3	217		
			"	"	3	485	95A	1a-c
			Rhynchotretra Hall.					
L. H.	2489	Type.	<i>bialveata</i> Hall.	N. Y. S. M.	10	73		
			"	Pal. N. Y.	3	233	34	1-4
			<i>cuneata</i> (Dalman),					
Niag.	1548	Gen. and Sp. Type.	<i>var. Americana</i> Hall.	N. Y. S. M.	28, 2d ed.	167	25	29-38
			"	"	28, 1st ed.	....	25	29-38
			H. & C.	St. G. N. Y.	13	42		17, 18
			"	Pal. N. Y.	8, pt. 2	187	56	31-34
"	1548	Fig'd.	" " " Hall.	"	2	276	57	4a, f, e, i, p
"	1783	"	" " " "	"	2	276	57	3a-h

LOCALITY.	REMARKS.
.....	See <i>Lissopleura æquivalvis</i> .
.....	" <i>Stenoschisma altiplicatum</i> .
.....	" <i>Rhynchotretra bialveata</i> .
.....	" <i>Ucinulus Campbellianus</i> .
Wayne Co., N. Y.	As <i>Atrypa emacerata</i> . Two imperfect casts, imbedded together.
.....	From Shakers' Mill.
.....	See <i>Ucinulus eminens</i> .
.....	" <i>Stenoschisma formosum</i> .
.....	" <i>Camarotæchia indianensis</i> .
.....	" <i>Ucinulus mutabilis</i> .
.....	" <i>Camarotæchia neglecta</i> .
.....	" <i>Ucinulus nobilis</i> .
.....	" " <i>nucleolatus</i> .
Medina, N. Y.	As <i>Atrypa plicata</i> . Exterior-interior imprint dorsal valve.
.....	See <i>Ucinulus pyramidatus</i> .
.....	" <i>Eichwaldia reticulata</i> .
.....	" <i>Rhynchotretra rudis</i> .
.....	" <i>Wilsonia Saffordi</i> .
.....	" <i>Camarotæchia semiplicata</i> .
.....	" <i>Ucinulus Stricklandi</i> .
.....	" <i>Camarotæchia sulcopicata</i> .
Greenville, O.	Internal cast, nearly entire. See also <i>Ucinulus Stricklandi</i> .
.....	See <i>Ucinulus transversus</i> .
.....	" " <i>vellicatus</i> .
.....	" <i>Wilsonia ventricosa</i> .
.....	" <i>Camarotæchia Whitii</i> .
.....	" <i>Homæospira apriniiformis</i> .
.....	" " <i>evax</i> .
.....	As <i>Waldheimia formosa</i> .
.....	" <i>Trematospira</i> " "
.....	Made the type of the genus <i>Rhynchospira</i> .
The Helderbergs, N. Y.	A series of eleven individuals.
Nr. Clarksville, N. Y.	Five weathered and etched fragments.
.....	As <i>Waldheimia globosa</i> .
The Helderbergs, N. Y.	" <i>Trematospira</i> " " A series of seven individuals.
.....	" <i>Waldheimia rectirostra</i> .
.....	" <i>Trematospira</i> " "
Cumberland, Md.	Entire adult. Another specimen, unfigured, is in the type series.
The Helderbergs, N. Y.	As <i>Rhynchonella</i> (?) <i>bialveata</i> .
.....	" " " " Five individuals.
.....	" <i>Rhynchotretra cuneata</i> . Type of genus.
Waldron, Ind.	Seven individuals.
Lockport, N. Y.	As <i>Atrypa cuneata</i> Dalm. Two individuals.
" " "	" " <i>bidentata</i> His., probably the young of this variety. Two
" " "	very small individuals.

Class BRACHIOPODA—*Continued.*

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
L. H.	2421	Type.	Rhynchotreta Hall— <i>Cont.</i> ? rudis. Hall.	N. Y. S. M. Pal. N. Y.	10 3	75 235	 34	 20a-c
Guelph	2219	Fig'd Sp. and Gen. Type.	Rhynobolus Hall. galtensis (<i>Bill</i>).... Hall. H. & C.	N. Y. S. M. St. G. N. Y. Pal. N. Y.	23 11 8, pt. 1	247 240 44	13 2 4B	10 7 7
L. H.	2424	Gen. and Sp. Type.	Scenidium Hall. insigne Hall. " " H. & C.	" " N. Y. S. M. St. G. N. Y.	3 13 2 11	173 70	10A 37 8	13-15 1-5 31-35 23, 24
Niag.	1767	Type.	pyramidale Hall. " " " " H. & C.	Pal. N. Y. " " " " St. G. N. Y. Pal. N. Y.	8, pt. 1 2 2 2 8, pt. 1	241 251 251 242	7 52 52 37 7	31-35 2a-d 2e-i 29, 30 29, 30
L. H.	2421	Type.	Schizophoria King. multistriata Hall. " " H. & C.	N. Y. S. M. Pal. N. Y. " "	10 3 8, pt. 1	45 176 212	 15 6A	 2a-f, k-t int. d. v.
"	2415	"	? peduncularis. Hall.	" "	3	174	13	16a, b
L. H.	2428	Fig'd.	Sieberella Oehlert. galeata (<i>Dalm.</i>).... Hall. H. & C.	" " St. G. N. Y. Pal. N. Y.	3 13 8, pt. 2	257 247	46 48 72	1a-z 16, d. v. 10, 11
"	"	"	" " Hall.	" "	3	257	47	1a
"	"	"	" " H. & C.	" "	3	257	47	1b-f
"	"	"	" " (Dalm.).... Hall.	Pal. N. Y.	8, pt. 2	247	72	17, int.
"	"	"	" " H. & C.	" "	3	257	47	12, "
Cl.	2063	Type.	nucleus. H. & W.	N. Y. S. M.	24	200a	....	1g-i
L. H.	2428	"	pseudogaleata Hall.	Pal. N. Y.	8, pt. 2	247	72	13, card.
"	2428	"	" " " "	N. Y. S. M.	10	106	....	1-3
"	2428	"	" " " "	Pal. N. Y.	3	259	48	2b-g, k, l
"	2428	"	" " " "	" "	3	259	48	2h, i
"	2428	"	" " " "	" "	8, pt. 2	242	72	14, side
Niag.	1772	Type.	Skenidium Hall. Spirifer Sowerby. bicosatus, <i>Vanux.</i> (<i>H.</i>) biforata, var. <i>lynx</i> bilobus	Pal. N. Y.	2	263	54	4a-e
L. H.	2446	Type.	concinus Hall.	N. Y. S. M. Pal. N. Y.	10 3	60 200	25	2a-f
"	"	"	" " H. & C.	St. G. N. Y.	2 13	.... ....	55 27	1, d. v. 4, "
"	2446	"	" " " "	Pal. N. Y.	8, pt. 2	27	30	1, "
"	2446	"	" " " "	" "	3	200	25	2g-i
"	2446	"	" " " "	" "	3	200	28	7a, b

LOCALITY.	REMARKS.
Hudson, N. Y.	As <i>Rhynchonella rudis</i> . " " " An adult with beak gone.
	" <i>Rhynobolus</i> sp.?
Galt, Ont.	Internal cast of ventral valve in crystalline limestone.
	As <i>Orthis insignis</i> . Made type of genus.
Near Clarksville, N. Y.	Two entire individuals and two opposite, detached valves.
Lockport, N. Y.	As <i>Orthis pyramidalis</i> . Very young individual, somewhat crushed.
	" <i>Scenidium pyramidata</i> , by error.
Lockport, N. Y.	Entire adult. Enlargements are to 1½ diam. Error for <i>Scenidium pyramidale</i> , q. v.
	As <i>Orthis multistriata</i> . " " "
Eastern New York.	Six entire individuals and internal casts from Catskill Creek, Schoharie and near Clarksville.
Clarksville, N. Y.	As <i>Orthis peduncularis</i> . An imperfect ventral valve.
	As <i>Pentamerus galeatus</i> .
The Helderbergs, N. Y.	Fourteen more or less exfoliated individuals of all sizes and an imbedded dorsal valve.
" " "	As <i>Pentamerus galeatus</i> . Individ., with beak of dorsal valve gone.
	" " "
The Helderbergs, N. Y.	Five specimens showing the internal characters of the shell.
	As <i>Pentamerus galeatus</i> .
The Helderbergs, N. Y.	Entire internal cast of a large individual.
	As <i>Pentamerus nucleus</i> .
Near Louisville, Ky.	Individual of average size.
	As <i>Pentamerus pseudogaleatus</i> .
Schoharie, N. Y.	" " " Two indiv. and a large internal cast.
	" " "
The Helderbergs, N. Y.	An adult.
	See <i>Scenidium</i> .
Vernon Centre, N. Y.	An individual lacking the beak of the dorsal valve.
	See <i>Platystrophia lynx</i> .
	" <i>Bilobites bilobus</i> .
Nr. Clarksville, N. Y.	An entire adult.
Schoharie, N. Y.	Two entire individuals and an imbedded ventral valve.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Spirifer Sowerby—Cont.					
L. H.	2446	Type.	concinus.....Hall.	St. G. N. Y.	2	....	55	2, card.
			H. & C.	" "	13	....	27	5, "
Niag.	1834	"	crispatus.....H. & C.	Pal. N. Y.	8, pt. 2	27	30	2, "
			Hall.	St. G. N. Y.	2	....	61	9, 10
"	1771	Fig'd.	crispus (His.).....Hall.	Pal. N. Y.	14	355	7	12, 13
Cor.	1771	"	" " " " " "	" "	2	262	54	3a-k
"	"	"	" " " " " "	" "	2	327	74	7, 8d
Niag.	1771	"	" " " " " "	N. Y. S. M.	28	328	74	9d, e, f
"	"	"	" " " " " "	St. G. N. Y.	2	157	24	6-12
"	"	"	H. & C.	" "	2	....	61	4, enl. X 2
"	"	Type.	" var. simplex.Hall.	N. Y. S. M.	8, pt. 2	19	36	4, "
			"	T. A. I.	2d ed.	157	24	I-5
			"	N. Y. S. M.	28, 1st ed.	....	24	I-5
L. H.	2444	Type.	crispus, var. cycloptera.....Hall.	N. Y. S. M.	10	58	....	....
"	2444	"	" " " " " "	Pal. N. Y.	3	199	25	j ra-d, f, h, i, p, r, s, u
"	"	"	" " " " " "	" "	3	199	25	e, i, k, m, o
"	"	"	H. & C.	St. G. N. Y.	2	....	61	12, d. v.
"	"	"	" " " " " "	Pal. N. Y.	8, pt. 2	36	36	6, "
"	"	"	H. & C.	St. G. N. Y.	2	....	61	12, "
Niag.	1835	"	eudora.....Hall.	Geol. Wis.	8, pt. 2	36	36	13, int.
			"	"	1861	25	....	13, "
			"	N. Y. S. M.	1	69	ct. 16	5, d. v.
			"	"	20	370	13	5, 7
			H. & C.	St. G. N. Y.	2	....	51	19, 20
"	1835	"	" " " " " "	Pal. N. Y.	8, pt. 2	13	21	19, 20
			H. & C.	N. Y. S. M.	28	156	24	13-17
			" " " " " "	St. G. N. Y.	2	....	51	21, 29
			H. & C.	" "	13	....	23	5, 6
"	"	"	" " " " " "	Pal. N. Y.	8, pt. 2	13	21	21, 29
"	2054	"	gibbosus.....Hall.	N. Y. S. M.	28	156	24	18, int.
			"	Geol. Wis.	1861	25	....	....
			"	N. Y. S. M.	20	370	13	6, 8
L. H.	2440	Fig'd.	inconstans.....Hall.	" "	....	....	....	....
			macropleura (Con.).Hall.	Pal. N. Y.	3	202	27	1b-i
			" " " " " "	St. G. N. Y.	2	....	51	22, d. v.
			H. & C.	" "	13	....	23	8, "
"	2440	"	" " " " " "	Pal. N. Y.	8, pt. 2	13	21	22, "
"	2440	"	" (Con.).Hall.	" "	3	202	27	11, int.
"	2440	"	" " " " " "	" "	3	202	27	1m, "
"	2440	"	" " " " " "	" "	3	202	27	1n, "
"	2440	"	" " " " " "	" "	3	202	27	10, v. v.
"	2440	"	" " " " " "	" "	3	202	28	8a, int.
			" " " " " "	St. G. N. Y.	2	....	51	24, "
			H. & C.	" "	13	....	23	9, "
"	2440	"	" (Con.).Hall.	Pal. N. Y.	8, pt. 2	13	21	24, "
"	2440	"	" " " " " "	" "	3	202	28	8b, c
			" " " " " "	" "	3	202	28	8d, enl.
			" " " " " "	St. G. N. Y.	2	....	51	27, "
			H. & C.	Pal. N. Y.	8, pt. 2	13	21	27, "
			meta.....	" "	....	....	....	....

LOCALITY.	REMARKS.
Near Hudson, N. Y.	Ventral valve, imbedded.
Cumberland, Md.	As <i>Spirifer</i> sp. ? . An entire adult.
Lockport, N. Y.	Four entire individuals.
Schoharie, N. Y.	As <i>Spirifer</i> sp. Two individuals, imbedded separately.
" " "	A small individual, almost entire.
Waldron, Ind.	Three entire individuals.
" "	A detached dorsal valve.
.....	As <i>Spirifer crispus</i> , var.
Waldron, Ind.	" " " " Entire. The figures are enlargements $\times 2$.
.....	See " " " <i>simplex</i> .
Clarksville, N. Y.	Six entire individuals and one ventral valve.
Schoharie, N. Y.	Three entire individuals of small and medium size.
" "	The central portion of a ventral valve.
Racine, Wis.	Internal cast of a large individual.
Waldron, Ind.	An entire, very perfect individual.
" "	A nearly entire ventral valve, imbedded
Racine, Wis.	Upper part of an internal cast of medium size
.....	See <i>Spirifer nobilis</i> .
Schoharie, N. Y.	Three entire individuals.
Near Hudson, N. Y.	A nearly entire internal cast, imbedded.
The Helderbergs, N. Y.	Middle portion of a large ventral valve.
Near Hudson, N. Y.	Internal cast of ventral valve, not perfect.
Southwestern Pa.	Entire internal cast showing parts of spires ; silicified.
Near Hudson, N. Y.	A somewhat broken internal cast of a ventral valve.
Catskill Creek, N. Y.	Internal casts of two large ventral valves ; one is imbedded.
Near Hudson, N. Y.	Part of a very sharp imprint of the exterior of a large valve. The
.....	figure was not made from the original of fig. 22.
.....	See <i>Cyrtia meta</i> .

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, TYPE AND SPECIES.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
L. H.	2441 1	Type.	Spirifer Sowerby— <i>Cont.</i>					
			modestus.....Hall.	N. Y. S. M.	10	61		
			"	Pal. N. Y.	3	203	28	1a-f
Niag.	1770 1	Fig'd.	H. & C.	"	8, pt. 2	19	38	1, 3
			<i>multistriatus</i> .					
			niagarensis, (Con.)...Hall.	Pal. N. Y.	2	264	54	5a-i, n-p
			"	"	2	264	54	5k, s, t
			"	"	2	264	54	5l
			"	"	2	264	54	5m, d. v.
			"	"	2	264	54	5r, int.
			"	St. G. N. Y.	2	....	51	3, "
			H. & C.	Pal. N. Y.	8, pt. 2	14	21	3, "
			nobilis, (Barr.)....Hall.	Geol. Wis.	1861	26	....	....
L. H.	2445 1	Type.	"	N. Y. S. M.	20	372	13	14
			"	St. G. N. Y.	13	....	23	14
			H. & C.	Pal. N. Y.	8, pt. 2	35	37	3
			"	Geol. Wis.	1	69	ct. 16	6, v. v.
			octocostatus.....Hall.	N. Y. S. M.	20	372	13	16, 17
			"	"	10	62		
			"	Pal. N. Y.	3	205	28	4a-e
			perlamellosus.....Hall.	N. Y. S. M.	10	57		
			"	Pal. N. Y.	3	201	26	1a-t
			"	St. G. N. Y.	2	....	60	10, 11
Cl.	1527 1	Fig'd.	H. & C.	Pal. N. Y.	8, pt. 2	14	35	10, 11
			"	"	3	201	26	2a-g
			"	St. G. N. Y.	2	....	60	7, d. v.
			H. & C.	"	13	....	24	7, "
			"	Pal. N. Y.	8, pt. 2	14	35	7, "
			"	St. G. N. Y.	2	....	60	9, 13
			H. & C.	Pal. N. Y.	8, pt. 2	14	35	9, 13
			"	St. G. N. Y.	2	....	60	12, int.
			H. & C.	"	13	....	24	6, "
			"	Pal. N. Y.	8, pt. 2	14	35	12, "
Niag.	1527 1	Fig'd.	"	St. G. N. Y.	2	....	60	5, 6
			H. & C.	Pal. N. Y.	8, pt. 2	....	35	5, 6
			<i>plicatellus</i> , var. <i>radiatus</i> .					
			radiatus, (Sow.)...Hall.	Pal. N. Y.	2	66	22	2k-r
			"	"	2	265	54	6a, b
			"	"	2	265	54	6c, g, h
			"	"	2	265	54	6d, int. v. v.
			"	St. G. N. Y.	2	....	51	9, "
			H. & C.	Pal. N. Y.	8, pt. 2	13	21	9, "
			(Sow.)...Hall.	"	2	265	54	6e, card.
Niag.	1527 1	Fig'd.	"	St. G. N. Y.	2	....	51	10, "
			H. & C.	Pal. N. Y.	8, pt. 2	13	21	10, "
			(Sow.)...Hall.	N. Y. S. M.	28	157	24	20-27, 30
			"	St. G. N. Y.	2	....	51	11, 26
			H. & C.	"	13	....	23	1, d. v.
			"	Pal. N. Y.	8, pt. 2	13	21	11, 26
			(Sow.)...Hall.	N. Y. S. M.	28	157	24	28, 29
			"	St. G. N. Y.	2	....	51	12, 13
			H. & C.	"	13	....	23	2, 3
			"	Pal. N. Y.	8, pt. 2	13	21	12, 13
Niag.	2053a	Fig'd.	(Sow.)?...Hall.	N. Y. S. M.	20	371	13	9-11
			"	St. G. N. Y.	2	....	51	15, 16
			H. & C.	Pal. N. Y.	8, pt. 2	....	21	15, 16

LOCALITY.	REMARKS.
Cumberland, Md.	Two individuals and a ventral valve; silicified.
Lockport, N. Y.	See <i>Trematospira multistriata</i> .
" "	Four individuals, more or less entire. Original of fig. 5c doubtful.
" "	Rather flat ventral valve, imbedded.
" "	Internal cast of a dorsal valve.
Rochester, N. Y.	Large individual, somewhat crushed and weathered.
Lockport, N. Y.	Middle part of a ventral valve.
Lockport, N. Y.	Part of a ventral valve showing muscular imprint.
Lockport, N. Y.	As type of <i>Spirifer inconstans</i> Hall.
Racine, Wis.	Internal cast of a dorsal valve.
Racine, Wis.	As <i>Spirifer inconstans</i> Hall.
Racine, Wis.	Internal cast of a large individual.
Nr. Cumberland, Md.	Siliceous casts of three individuals and a ventral valve.
Clarksville, N. Y.	Thirteen nearly perfect, entire indiv., one of which is imbedded.
" "	Two small ventral valves, two entire and one partial internal cast, and one entire internal cast retaining dorsal valve.
" "	An unsymmetrical, entire adult.
" "	Two dorsal valves.
" "	A large ventral valve.
" "	Species queried.
Clarksville, N. Y.	As <i>Spirifer raricosta</i> Con. An entire individual.
Clarksville, N. Y.	See <i>Spirifer radiatus</i> .
Lockport, N. Y.	Two individuals, somewhat exfoliated.
Wayne Co., N. Y.	Young, entire individual. From "Marshall's Mill."
Lockport, N. Y.	A much flattened ventral valve.
Wayne Co., N. Y.	Int. cast ventr. valve retaining some shell. Fr. "Marshall's Mill."
" "	Crushed individual. From "Marshall's Mill."
Waldron, Ind.	One small and two large individuals, entire.
" "	Two large opposite valves showing internal features.
" "	As <i>Spirifer plicatella</i> (Linn.), var. <i>radiata</i> Sow.
Racine, Wis.	Internal cast of a small individual.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Spirifer Sowerby—Cont.					
Niag.	2053a	Fig'd.	radiatus (Sow.) ?...Hall.	N. Y. S. M.	20, 2d ed.	378	25	4, 5
			"	St. G. N. Y.	2	....	51	17, 18
			H. & C.	Pal. N. Y.	8, pt. 2	....	21	17, 18
			radiatus	"	2	....	22	2c
			ruricosta	"	8, pt. 2	....	35	5, 6
Cl.	1631	Type.	rugicosta	C. N. & G.	5	145	....	....
Niag.	2192	"	Saffordi	Pal. N. Y.	3	203	28	2a-f
Cl.	1632	"	subsulcatus	C. N. & G.	5	145	....	....
Niag.	1772	Fig'd.	sulcatus (His.)...Hall.	Geol. N. Y.	4th D.	106	ct. 36	4, 4a
"	"	"	"	Pal. N. Y.	2	261	54	2b, f
"	1772	"	"	"	2	261	54	2a, c-d, g-k
"	"	"	"	"	2	261	54	2e, d. v.
			"	St. G. N. Y.	2	....	60	2, enl.
			H. & C.	"	13	....	24	4, "
"	"	"	"	Pal. N. Y.	8, pt. 2	16	35	2, "
			(His.)...Hall.	St. G. N. Y.	2	....	60	1, 3, 4
			H. & C.	"	13	....	24	5, d. v.
L. H.	2443	Type.	tenuistriatus	Pal. N. Y.	8, pt. 2	16	35	1, 3, 4
			"	"	3	204	28	3a-d
			H. & C.	St. G. N. Y.	2	....	61	8, d. v.
"	2442	"	Vanuxemi	Pal. N. Y.	8, pt. 2	....	36	8, "
"	"	"	"	"	3	198	8	18, v. v.
"	"	"	"	"	3	198	8	19, "
"	"	"	"	"	3	198	8	21-23a
			ventricosus	"	2	....	61	9, 10
			sp	St. G. N. Y.	2	....	74	7, 8d
			sp	Pal. N. Y.	2	....	74	7, 8d
			Stenoschisma Conrad.					
L. H.	2482	Type.	altiplicatum	N. Y. S. M.	10	72	....	....
"	2481	Gen. and Sp. Type.	formosum.....Hall.	Pal. N. Y.	3	231	33	2a, c, f-k
"	2481	"	"	N. Y. S. M.	10	76	....	....
"	2481	"	"	Pal. N. Y.	3	236	35	3, 4c, d, e
"	2481	"	"	"	3	236	35	4a, b, c-e
"	2481	"	"	"	3	236	35	6f-n, r
"	"	Fig'd.	"	N. Y. S. M.	10	73	....	4e, f, 5, 6b
			"	Pal. N. Y.	3	232	33	3a-e
			Streptorhynchus King.					
			deformis					
			subplanum					
			tenuis					
			Woolworthanum					
			Stropheodonta Hall.					
			Becki					
			cavumbona					
			corrugata					
			geniculata					
			Headleyana					
			Leavenworthana					
Cl.	1518	Type.	orthididea	Pal. N. Y.	2	62	21	7
L. H.	2480	"	planulata	"	3	184	16	9, 10, 12

LOCALITY.	REMARKS.
.....	As <i>Spirifer plicatella</i> (Linn.), var. <i>radiata</i> Sow.
Racine, Wis.	Large internal cast, not quite entire. See <i>Cyrtia meta</i> .
.....	" <i>Spirifer perlamellosus</i> .
Arisaig, N. S.	A somewhat broken ventral valve, imbedded.
Perry Co., Tenn.	A very perfect individual from the "Meniscus beds."
Arisaig, N. S.	Part of a ventral valve, imbedded.
.....	As type of <i>Delthyris decemplicata</i> Hall.
Rochester, N. Y.	A small individual.
" "	Four individuals showing stages of growth.
Lockport, N. Y.	An individual of medium size showing deltidial plates.
" "	Two individuals.
Decatur Co., Tenn.	A siliceous cast of an entire individual.
Schoharie, N. Y.	A very small ventral valve in block with <i>Stropheodonta</i> (<i>Brachyprion</i>) <i>varistriata</i> , fig. 2, same plate.
" "	Small individual in block with <i>Stropheodonta</i> (<i>Brachyprion</i>) <i>varistriata</i> , figs. 4, 8, 10, same plate.
" "	Two dorsal and a ventral valve, rather large.
.....	See <i>Nucleospira ventricosa</i> .
.....	" <i>Spirifer crispatus</i> .
.....	" " <i>crispus</i> .
.....	Genus revised by Hall, w. <i>Spirifer formosum</i> as type, in Pal. N. Y., vol. 4, at p. 334.
.....	As <i>Rhynchonella altiplicata</i> .
Schoharie, N. Y.	" " Two individuals, small and large.
.....	" <i>Rhynchonella formosa</i> .
Near Hudson, N. Y.	" " " Four individuals of small to medium size.
Carlisle, N. Y.	" " " Five individuals.
Schoharie, N. Y.	" " " Two "
.....	" type of <i>Rhynchonella acutiplicata</i> Hall.
Schoharie, N. Y.	" " " " An entire adult.
.....	See <i>Orthothetes deformis</i> .
.....	" " <i>subplanus</i> and <i>Strophonella semifasciata</i> .
.....	" " <i>tenuis</i> .
.....	" " <i>Woolworthanus</i> .
.....	" <i>Leptostrophia Becki</i> .
.....	" <i>Strophonella cavumbona</i> .
.....	" <i>Amphistrophia corrugata</i> .
.....	" <i>Strophonella geniculata</i> .
.....	" <i>Headleyana</i> .
.....	" <i>Leavenworthana</i> .
Near Clinton, N. Y.	Probably = <i>Stropheodonta corrugata</i> . Imprint of ventral valve.
Schoharie, N. Y.	Three ventral valves imbedded separately.

Class BRACHIOPODA—Continued.

Géol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Stropheodonta Hall—Cont.					
			<i>prisca</i>					
			<i>profunda</i>					
			<i>punctulifera</i>					
			<i>semifasciata</i>					
			<i>striata</i>					
			<i>varistriata</i>					
			var. <i>arata</i>					
			Strophomena (Raf.) de Bl.					
			<i>Becki</i>					
			<i>Conradi</i>					
			<i>cornuta</i>					
			<i>corrugata</i>					
			<i>depressa</i>					
			<i>elegantula</i>					
			<i>Leavenworthana</i>					
			<i>radiata</i>					
			<i>rhomboidalis</i>					
			<i>rugosa</i>					
			<i>semifasciata</i>					
			<i>Woolworthana</i>					
			Strophonella Hall.					
L. H.	2424	Type.	<i>cavumbona</i>.....Hall.	Pal. N. Y.	3	187	21	1a, b
"	2424	"	"	" "	3	187	21	1f-h
"	"	"	"	" "	3	187	21	3, v. v.
"	2428	"	<i>Conradi</i>.....Hall.	" "	3	194	16	13a-15
"	2436	"	<i>geniculata</i>.....Hall.	" "	3	483	23	6a-c
"	2438	"	<i>Headleyana</i>.....Hall.	" "	3	185	20	2a-c, 3d, e
"	"	"	"	" "	3	185	20	2d
"	2438	"	"	" "	3	185	20	2e-f
"	2438	"	"	" "	3	185	20	3a-c
"	2438	"	<i>Leavenworthana</i>.....Hall.	N. Y. S. M.	10	53		
"	2438	"	"	Pal. N. Y.	3	189	21	5a, b
"	2438	"	"	" "	3	189	21	7a, b
"	2438	"	"	" "	3	189	23	1a-c
"	"	"	"	" "	3	189	23	2a, b, e
"	"	"	"	St. G. N. Y.	2	....	43	6, 7
"	"	"	<i>H. & C.</i>	Pal. N. Y.	11	....	15	9, 10
"	"	"	"	8, pt. I	292	12	6, 7	
"	"	"	<i>Hall.</i>	St. G. N. Y.	2	....	43	8, int.
"	"	"	<i>H. & C.</i>	" "	11	....	15	7, "
"	2438	"	"	Pal. N. Y.	8, pt. I	292	12	8, "
"	"	"	<i>Hall.</i>	St. G. N. Y.	2	....	43	9, int.
"	"	"	<i>H. & C.</i>	" "	11	....	15	8, "
"	"	"	"	Pal. N. Y.	8, pt. I	292	12	9, "
Cl.	1523	Type.	? <i>patenta</i>.....Hall.	Pal. N. Y.	2	60	21	3b, c
"	1524	"	<i>prisca</i>	" "	2	63	21	9a, b
L. H.	2438	Fig'd.	<i>punctulifera (Con.)</i>	" "	3	188	21	4a, b
"	2438	"	"	" "	3	188	23	4c
"	2438	"	"	St. G. N. Y.	2	....	43	10, 12
"	2426	"	<i>H. & C.</i>	Pal. N. Y.	8, pt. I	292	12	10, 12
"	"	"	<i>radiata (Vanux.)</i>.....H.	N. Y. S. M.	10	50		
"	"	"	"	Pal. N. Y.	3	193	18	3b-e

LOCALITY.	REMARKS.
.....	See <i>Strophonella prisca</i> .
.....	" <i>Brachyprion profundum</i> .
.....	" <i>Strophonella punctulifera</i> .
.....	" " <i>semifasciata</i> .
.....	" <i>Amphistrophia striata</i> .
.....	" <i>Brachyprion varistriatum</i> .
.....	" " var. <i>aratum</i> .
.....	" <i>Leptostrophia Becki</i> .
.....	" <i>Strophonella Conradi</i> .
.....	" <i>Chonetes cornutus</i> .
.....	" <i>Amphistrophia corrugata</i> .
.....	" <i>Leptæna rhomboidalis</i> .
.....	" <i>Plectambonites sericeus</i> .
.....	" <i>Strophonella Leavenworthana</i> .
.....	" " <i>radiata</i> .
.....	" <i>Leptæna rhomboidalis</i> .
.....	" " "
.....	" <i>Strophonella semifasciata</i> .
.....	" <i>Orthotheses Woolworthanus</i> .
Schoharie, N. Y.	As <i>Strophodonta cavumbona</i> . Cast of small dorsal valve; some shell.
Near Hudson, N. Y.	" " Internal cast dorsal valve.
" " "	" " Exfoliated ventral valve, imbedded.
Near Clarksville, N. Y.	" <i>Strophomena Conradi</i> . Two large ventral valves, imbedded.
Nr. Cumberland, Md.	" <i>Strophodonta geniculata</i> . Small individual, nearly entire.
Schoharie, N. Y.	" " <i>Headleyana</i> . Three ventral valves, imbedded.
" " "	" " Internal cast ventral valve, retaining some shell.
Near Hudson, N. Y.	As <i>Strophodonta Headleyana</i> . Internal cast large ventral valve.
Schoharie, N. Y.	" " Large ventral valve, imbedded.
" " "	" <i>Strophomena (Strophodonta) Leavenworthana</i> .
Helderberg Mts., N. Y.	" <i>Strophodonta Leavenworthana</i> . Somewhat crushed indiv., imb.
Clarksville, N. Y.	" " Ventral valve, somewhat crushed, imbedded.
Helderberg Mts., N. Y.	As <i>Strophodonta Leavenworthana</i> . Small, entire individual.
" " "	" " "
Helderberg Mts., N. Y.	Adult individual, very nearly entire, imbedded.
" " "	" " "
" " "	Dorsal valve.
Clarksville, N. Y.	Large ventral valve, fragmentary, imbedded.
Reynale's Basin, N. Y.	As <i>Leptæna patenta</i> . Large ventral valve, imbedded.
Kirkland, N. Y.	" <i>Strophodonta prisca</i> . Imprint ventral valve. = <i>S. striata</i> ?
Schoharie, N. Y.	" <i>Strophodonta punctulifera</i> . An almost entire indiv.; not a cast.
Port Colburn, Ont.	" " Internal cast large ventral valve, with some shell.
" " "	" " "
Schoharie, N. Y.	A large individual, imbedded.
" " "	As <i>Strophomena radiata</i> .
Near Hudson, N. Y.	" " Internal casts of four ventral valves.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Niag.	1932	Gen. and Sp. Type.	Strophonella Hall—Cont.					
			semifasciata.....Hall.	T. A. I.	4	210	.....	.....
			"	N. Y. S. M.	28	...	21	33
			"	"	28,	...	22	3, card.
			"	"	1st ed.	...	22	3, "
			"	"	28,	154	22	3, "
			"	"	2d ed.	...	43	5, "
			St. G. N. Y.	"	2	...	15	6, "
			H. & C.	"	11	...	12	5, "
			Pal. N. Y.	8, pt. 1	291	...	1	d.v.
			"	N. Y. S. M.	28,	...	22	1, "
			"	"	1st ed.	...	154	22
			"	"	28,	...	22	2, "
			"	"	2d ed.	...	154	22
Cl. L. H.	1629 2461	Type.	Trematospira Hall.					
			acadiæ.....Hall.	C. N. & G.	5	146	P. 144	4, ext.
			costata....."	Pal. N. Y.	3	210	28A	4a-e
			formosa.....					
			globosa.....					
			L. H. 2459 Gen. and Sp. Type.	multistriata.....Hall.	N. Y. S. M.	10	59	.....
			"	"	"	12	27	3, v.v.
			"	Pal. N. Y.	3	209	24	3a, b, c-m, s, t
			"	"	"	13	28A	5f, v.v.
			H. & C.	St. G. N. Y.	13	....	38	3, 4
			"	Pal. N. Y.	8, pt. 2	126	49	9, 10
			perforata.....Hall.	"	3	208	28A	3a-k
			H. & C.	"	8, pt. 2	126	49	5, 6
			rectirostra.....					
Niag.	2194	Type.	simplex.....Hall.	Pal. N. Y.	3	211	28A	2a-f
L. H.	2474	"	Uncinulus Bayle.					
			abruptus.....Hall.	N. Y. S. M.	10	68	.....	.....
			"	Pal. N. Y.	3	228	31	3a-d
			H. & C.	St. G. N. Y.	13	....	44	8, 9
			"	Pal. N. Y.	8, pt. 2	199	58	20, 21
			Campbellanus.....Hall.	N. Y. S. M.	10	79	.....	.....
			"	Pal. N. Y.	3	239	43	2a-k
			eminens.....Hall.	N. Y. S. M.	10	78	.....	.....
			"	Pal. N. Y.	3	237	37	3a-4a
			mutabilis.....Hall.	N. Y. S. M.	10	66	.....	.....
			"	Pal. N. Y.	3	225	29	4a-m, o, p
			"	"	3	225	30	1a-c, 2b,
			"	"	8, pt. 2	199	58	2c, f, i, m
			H. & C.	"	"	"	"	22, 23

LOCALITY.	REMARKS.
.....	As <i>Strophomena</i> (<i>Strophodonta</i> ?) <i>semifasciata</i> .
.....	" <i>Streptorhynchus subplanum</i> by error.
.....	" <i>Strophomena</i> (<i>Strophodonta</i> ?) <i>semifasciata</i> .
.....	Made type of genus <i>Strophonella</i> .
Waldron, Ind.	Large imperfect individual, showing centre of hinge very perfectly.
.....	As <i>Strophomena</i> (<i>Strophodonta</i> ?) <i>semifasciata</i> .
Waldron, Ind.	Imbedded dorsal valve bearing <i>Chonetes undulatus</i> , fig. 15, pl. 21.
.....	As <i>Strophomena</i> (<i>Strophodonta</i> ?) <i>semifasciata</i> .
Waldron, Ind.	Large, nearly entire individual, imbedded.
.....	As <i>Strophomena</i> (<i>Strophodonta</i> ?) <i>semifasciata</i> .
Waldron, Ind.	Very large ventral valve.
.....	As <i>Strophomena</i> (<i>Strophodonta</i> ?) <i>semifasciata</i> .
Waldron, Ind.	An imperfect dorsal valve, imbedded.
.....	See <i>Amphistrophia striata</i> .
Arisaig, N. S. Clarksville, N. Y.	Small ventral valve in block, with the types of <i>Chonetes nova-scoticus</i> .
.....	A rather small individual, not quite entire.
.....	See <i>Rhynchospira formosa</i> .
.....	" " <i>globosa</i> .
.....	As <i>Spirifer multistriatus</i> .
.....	Genus defined.
Clarksville, N. Y.	Four entire individuals and one ground down to show spires. In volume 8 this species is made the type of the genus, though <i>T. perforata</i> is the first one described under the genus in volume 3.
Hudson, N. Y.	Four individuals, one of which is broken so as to show spires.
.....	See <i>Rhynchospira rectirostra</i> .
Perry Co., Tenn.	Two individuals from the "Meniscus beds" of the Glades.
.....	As <i>Rhynchonella abrupta</i> .
.....	" " " "
Schoharie Co., N. Y.	The two adults which were used for these figures.
.....	As <i>Rhynchonella Campbellana</i> .
Helderberg Mts., N. Y.	" " " " Four individuals and one internal cast.
.....	" " <i>eminens</i> .
Helderberg Mts., N. Y.	" " " " Two individuals, one of which is imbl.
.....	" " <i>mutabilis</i> .
Helderberg Mts., N. Y.	" " " " Six individuals, more or less exfoliated.
.....	" " " "
Helderberg Mts., N. Y.	Six more or less exfoliated individuals.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
L. H.	2477	Type.	Uncinulus Bayle— <i>Cont.</i>					
"	2478	"	<i>mutabilis</i>.....Hall.	Pal. N. Y.	3	225	30	2r, s
	1		<i>nobilis</i>"	N. Y. S. M.	10	80		
				Pal. N. Y.	3	240	43	3a-l
"	2480	"	<i>nucleolatus</i>"	N. Y. S. M.	10	68		
	1			Pal. N. Y.	3	227	31	1a-f 2a-k, m-y
"	2479	"	<i>pyramidatus</i>.....Hall.	N. Y. S. M.	10	70		
	1			Pal. N. Y.	3	229	32	1a-z
			H. & C.	"	8, pt. 2	58	27, 28	
"	"	"	".....Hall.	"	3	229	32	2a-c
Niag.	1489	Fig'd.	<i>Stricklandi</i> (Sow.)....H.	N. Y. S. M.	28, 1st ed.		26	34-40
	1			"	28, 2d ed.	165	26	34-40
			H. & C.	Pal. N. Y.	8, pt. 2	199	58	39, 40
L. H.	2487	Type.	<i>transversus</i>.....Hall.	N. Y. S. M.	10	74		
	1			Pal. N. Y.	3	234	34	9-11, 13 (12) 14a, 14c-16c
"	"	Fig'd.	"....."	"	3	234	34	17-19
"	2484	Type.	<i>vellicatus</i>.....Hall.	N. Y. S. M.	10	71		
	4			Pal. N. Y.	3	230	33	1a-o
"	2483	"	"....."	"	3	230	33	1p, v. z.
Waldheimia King.								
			<i>formosa</i>					
			<i>globosa</i>					
			<i>rectirostra</i>					
Whitfieldella Hall								
Niag.	1782	Type.	<i>crassirostra</i>.....Hall.	Pal. N. Y.	2	269	55	4a-c
Cl.	1530	"	<i>cylindrica</i>"	"	2	76	24	2a-h
"	"	"	"....."	"	2	76	24	6a, b
"	1531	"	<i>intermedia</i>"	"	2	77	24	3e
"	1531	"	"....."	"	2	77	24	4a-d
"	1534	Fig'd.	"....."	"	2	78	24	5a, b
"	1532	Type.	<i>naviformis</i>	"	2	76	24	1a-f
Niag.	1539	Gen. and Sp. Type.	<i>nitida</i>	"	2	268	55	1a-o
"	1532	"	"....."	N. Y. S. M.	28	160	25	1-7
			H. & C.	St. G. N. Y.	13		32	2, 3
"	"	"	" (Hall.) .."	Pal. N. Y.	8, pt. 2	59	40	8, 9, 11
"	"	"	"....."	St. G. N. Y.	13		32	1, 4
"	1780	Type.	<i>var. oblata</i>....Hall.	Pal. N. Y.	8, pt. 2	59	40	4, 5
"	"	Fig'd.	"....."	"	2	269	55	2a-c
Med.	1429	Type.	<i>oblata</i>	"	2	269	55	3c-e
"	"	"	"....."	"	2	9	4	4a-c
			"....."	"	2	9	4	5, int.
Wilsonia (Quenst.) Kayser.								
Cl.	1633	Type.	<i>Saffordi</i>.....Hall.	C. N. & G.	5	146		
Niag.	2200	"	"....."	"	5	146		
L. H.	2472	"	<i>ventricosa</i>"	N. Y. S. M.	10	78		
	1			Pal. N. Y.	3	238	43	1a-m
			H. & C.	"	8, pt. 2	198	58	13, pref.

LOCALITY.	REMARKS.
Helderberg Mts., N. Y.	As <i>Rhynchonella mutabilis</i> . Internal cast of an adult.
Albany and Schoharie Cos., N. Y.	" " <i>nobilis</i> . Five individuals. One is exfoliated, showing internal features of the ventral valve. As <i>Rhynchonella nucleolata</i> .
Helderberg Mts., N. Y.	" " " Thirteen individuals, one of which is weathered so as to show some internal features. As <i>Rhynchonella pyramidata</i> .
Helderberg Mts., N. Y.	Thirteen individuals, more or less exfoliated. The figures in volume 8 were made from two individuals. As <i>Rhynchonella pyramidata</i> . An entire int. cast and a vent. valve.
" " "	" " <i>tennesseensis</i> , Roem.
" " "	" " <i>Stricklandi</i>
Waldron, Ind.	" <i>Uncinulus (Uncinulina)</i> on plate. Two very perfect adults. " <i>Rhynchonella transversa</i> .
Cumberland, Md.	" " " Six individuals.
" " "	" " <i>transversa</i> ? var. Three individuals.
Schoharie, N. Y.	" " <i>vellicata</i> . Five entire individuals.
Helderberg Mts., N. Y.	" " " Internal cast of an individual.
.....	See <i>Rhynchospira formosa</i> .
.....	" " <i>globosa</i> .
.....	" " <i>rectirostra</i> .
Lockport, N. Y.	As <i>Atrypa crassirostra</i> . A large individual.
" " "	" " <i>cylindrica</i> . Two individuals.
" " "	" " " ? Internal cast of adult.
" " "	" " <i>intermedia</i> . Individual, considerably exfoliated.
Sodus Point, N. Y.	" " " A young individual.
Clinton, N. Y.	" " sp. Internal cast of ventral valve.
Sodus Point, N. Y.	" " <i>naviformis</i> . A nearly perfect individual.
Lockport, N. Y.	" " <i>nitida</i> . Eight individuals. The one credited to figs. 1c, d seems not to be a N. Y. specimen.
.....	As <i>Meristina nitida</i> .
.....	Genus defined at p. 766.
Waldron, Ind.	Five individuals.
" " "	Two opposite valves, entire.
Lockport, N. Y.	As <i>Atrypa nitida</i> , var. <i>oblata</i> . Two indiv., one of wh. is imbedded.
" " "	" <i>Atrypa</i> sp. undet. Internal cast of individual, imbedded.
" " "	" " <i>oblata</i> . A considerably exfoliated individual.
" " "	" " " Internal cast ventral valve, imbedded.
Arisaig, N. S.	" <i>Rhynchonella Saffordi</i> . Several shells, imbedded.
Perry Co., Tenn.	" " " Several individuals from the Meniscus Beds in the Glades.
.....	As <i>Rhynchonella ventricosa</i> .
.....	" " "
Schcharie, N. Y.	Five individuals, more or less exfoliated.

Subkingdom MOLLUSCA.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Actinopteria Hall.					
Med.	1431	Fig'd.	emacerata (Con.)...Hall.	Pal. N. Y.	2	11	4 bis.	2d, e
Cl.	1554	"	" " " "	" "	2	83	27	1a, ext.
Niag.	1554	"	" " " "	" "	2	282	59	1a, c, e
"	6	"	" " " "	" "	2	282	59	1b, d
L. H.	2518	Type.	textilis .....Hall.	" "	3	288	53	3, 10
			Ambonychia Hall.					
Niag.	1951	Type.	acutirostra .....Hall.	N. Y. S. M.	20	336	14	2, int. l.v.
"	1951	"	" " " "	" "	28	171	7	12, " r.v.
"	2088	"	aphæa .....Hall.	" "	20	336	14	3, int. l.v.
			Amphicoelia Hall.					
"	2072	Gen. and Sp. Type.	Leidyi.....Hall.	" "	20	339	14	13, 15
"	2072	"	" " " "	" "	20	339	14	14, l. v.
"	1949	"	" " " "	" "	28	171	27	1, 2
"	1797	Type.	orbiculata .....Hall.	Pal. N. Y.	2	284	59	4, r. v.
			Anatina Lamarck.					
			sinuata					
			Anodontopsis McCoy.					
Cl.	1557	Type.	alata .....Hall.	Geol. N. Y.	4th D.	72	ct. 17	7, ext.
			" " " "	Pal. N. Y.	2	87	27	4, "
			Avicula Klein.					
			bellula					
			communis					
			emacerata.....					
			Honeymani.....					
			manticula.....					
			orbiculata					
			rhomboidea					
			securiformis					
			spinulifera					
			subplana					
			tenuilamellata					
			textilis					
			undata					
			Aviculopecten McCoy.					
L. H.	2508	Type.	spinulifer .....Hall.	Pal. N. Y.	3	282	51	3
"	2508	"	" " " "	" "	3	282	51	4
"	2509	"	tenuilamellatus.....Hall.	" "	3	281	51	1
			Cleidophorus Hall.					
Cl.	1643	"	concentricus.....Hall.	C. N. & G.	5	149	....	7
"	1642	"	elongatus .....Hall.	" "	5	150	....	9
"	1639	Type.	erectus.....Hall.	" "	5	149	....	8
"	1640	"	nuculiformis .....Hall.	" "	5	150	....	....
"	1638	"	semiradiatus .....Hall.	" "	5	150	....	....
"	1641	"	subovatus .....Hall.	" "	5	151	....	....
			Conocardium Brown.					
L. H.	2849	"	inceptum.....Hall.	Pal. N. Y.	5, pt. I	415	68	32
			rugosum	" "	5, pt. I	....	68	32
			Cuneamya Hall & Whitf.					
Niag.	1835	Type.	alveata, sp. nov.....Hall.					
Cl.	1563	"	curta.....Hall.	Pal. N. Y.	2	285	59	8, card.
				" "	2	86	27	10, 13

Class LAMELLIBRANCHIATA.

LOCALITY.	REMARKS.
Lockport, N. Y.	As <i>Modiolopsis ? primigenia</i> Con. Exterior imprint left valve,
Sodus, N. Y.	" <i>Avicula emacerata</i> . Small left valve, somewhat broken, imbed.
Lockport, N. Y.	" " " Cast of small and imp. of large left valve.
" " "	" " " Casts of opposite valves in block with
	<i>Pteronites subplanus</i> , fs. 3 a, c, same plate.
Near Clarksville, N. Y.	As <i>Avicula textilis</i> . Two left valves, imbedded.
Milwaukee, Wis.	Internal cast of individual; nearly entire.
Waldron, Ind.	Internal cast right valve, bearing type of <i>Sagenella elegans</i> .
Bridgeport, Ill.	Internal cast of a large left valve.
Racine, Wis.	Internal casts of two left valves.
Bridgeport, Ill.	Internal cast of large left valve with part of right.
Waldron, Ind.	Imperfect internal cast of the two valves.
Rochester, N. Y.	As <i>Avicula (?) orbiculata</i> . Imprint of large right valve.
.....	See <i>Ilionia sinuata</i> .
Rochester, N. Y.	As <i>Posidonia (?) alata</i> .
	" " " A much exfoliated left valve, imbedded.
.....	See <i>Pterinopecten bellulus</i> .
.....	" <i>Pterinea communis</i> .
.....	" <i>Actinopteria emacerata</i> .
.....	" <i>Pterinea Honeymani</i> .
.....	" " <i>manticula</i> .
.....	" <i>Amphicalia orbiculata</i> .
.....	" <i>Leptodesma rhomboideum</i> .
.....	" <i>Pterinea securiformis</i> .
.....	" <i>Aviculopecten spinulifer</i> .
.....	" <i>Pteronites subplanus</i> .
.....	" <i>Aviculopecten tenuilamellatus</i> .
.....	" <i>Actinopteria textilis</i> .
.....	" <i>Pterinea undata</i> .
Helderberg Mts., N. Y.	As <i>Avicula spinulifera</i> . Right valve, posterior wing lacking, imb.
Catskill Creek, N. Y.	" " " Exterior imprint left valve, nearly entire.
Helderberg Mts., N. Y.	" " <i>tenuilamellata</i> . Imprint right valve retaining a little shell.
Arisaig, N. S.	Exterior-interior cast of left valve, imbedded.
" " "	" " " right " "
" " "	Interior imprint right valve in block with type of <i>Discina tenuilamellata</i> , var. <i>subplana</i> .
" " "	Exterior-interior cast of small right valve, imbedded.
" " "	Exterior imprint of right valve.
" " "	Exterior-interior cast of large left valve, imbedded.
Near Clarksville, N. Y.	A somewhat distorted individual.
.....	As <i>Conocardium rugosum</i> H. in 1st ed. of "Plates and Explanations."
.....	See " <i>inceptum</i> .
.....	For description, see page 188 of this Catalogue.
Wolcott, N. Y.	As <i>Orthonota curta (?)</i> . Somewhat crushed cast, imbedded.
" " "	" <i>Tellinomya curta</i> . Ext.-int. impr. of two opp. valves, separate.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Cypricardia Lamarek.					
			<i>angusta</i>					
			<i>orthonota</i>					
Cl.	1612	Fig'd.	? sp. nov.....Hall.	Pal. N. Y.	2	102	30	5a, b
			Cypricardinia Hall.					
Niag.	2077	Type.	<i>arata</i>.....Hall.	N. Y. S. M.	20	337	14	6
L. H.	2530		<i>dorsata</i>.....Hall.	Pal. N. Y.	3	267	49a	2
"	2528	"	<i>lamellosa</i>.....Hall.	" "	3	266	49a	1a-c
" (?)	2531	"	<i>sublamellosa</i>.....Hall.	" "	3	267	50	1, ext.
Niag.	1795	"	<i>undulostriata</i>.....Hall.	" "	2	284	59	6a, b
			Cypricardites Conrad.					
"	2069	Type.	? quadrilatera.....Hall.	N. Y. S. M.	20	340	14	8-10
			Ilionia Billings.					
L. H.	2526	"	<i>sinuata</i>.....Hall.	Pal. N. Y.	3	265	49	3a-d
			Leiopteria Hall.					
"	2521	"	<i>aviculoidea</i>.....Hall.	" "	3	274	49	7a
"	2521	"	"....."	" "	3	274	49	8
			Leptodesma Hall.					
Cl.	1525	"	<i>rhomboideum</i>.....Hall.	" "	2	84	27	2a, b
"	1525	"	"....."	" "	2	84	27	2c
			Leptodomus McCoy.					
"	1647	"	<i>aratus</i>.....Hall.	C. N. & G.	5	152		
			Megalomus Hall.					
Guelph	1798	Gen. and Sp. Type.	<i>canadensis</i>.....Hall.	Pal. N. Y.	2	343	80	1a-c
"	"	"	"....."	" "	2	343	80	1d, ext.
"	"	"	"....."	" "	2	343	82	1h, int.
"	"	"	"....."	" "	2	343	81	1e
"	"	"	"....."	" "	2	343	82	1a-f
"	"	"	"....."	" "	2	343	82	1a-e
"	"	"	"....."	" "	2	343	82	1f, g
"	"	"	"....."	" "	2	343	82	1i, ext.
			"....."	" "	5, pt. 1		52	10, int.
			Megambonia Hall.					
			<i>aviculoidea</i>					
Cl.	1646	Type.	? cancellata.....Hall.	C. N. & G.	5	153	p. 151	12
L. H.	2523	"	<i>ovoidea</i>.....Hall.	Pal. N. Y.	3	276	49a	4a, b
"	2525	"	<i>rhomboidea</i>.....Hall.	" "	3	275	49	9, l. v.
"	2523	"	<i>Spinneri</i>.....Hall.	" "	3	274	49	5a-c
			Modiolopsis Hall.					
Niag.	2076	"	<i>dictæa</i>.....Hall.	N. Y. S. M.	20	338	14	7
L. H.	2527	"	? dubia.....Hall.	Pal. N. Y.	3	264	49	2c-e
Cl.	1562	"	<i>machæriiformis</i>.....Hall.	Geol. N. Y.	4th D.	76	ct. 18	2
"	"	"	"....."	Pal. N. Y.	2	85	27	8a, d
"	"	"	"....."	" "	2	85	27	8b, c
"	"	"	"....."	Geol. N. Y.	4th D.	76	ct. 18	6, card.
			"....."	Pal. N. Y.	2	85	27	9, "
Med.	1422	Fig'd.	<i>orthonota</i> (Con.).....Hall.	Geol. N. Y.	4th D.	48	ct. 6	8, 9
"	1422	"	"....."	Pal. N. Y.	2	10	4 bis.	1b, c
Niag.	1947	Type.	<i>perlata</i>.....Hall.	N. Y. S. M.	28	172	27	3, 4

LOCALITY.	REMARKS.
.....	See <i>Modiolopsis machariiformis</i> .
.....	" " <i>orthonota</i> .
Mohawk, N. Y.	Somewhat distorted internal cast of individual.
Bridgeport, Ill.	Int. cast right v. On bl'k with type of <i>Modiolopsis recta</i> , fig. 5, same pl.
Near Hudson, N. Y.	Imperfect exterior-interior imprint of right valve.
Clarksville, N. Y.	Small individual.
Albany Co., N. Y.	Right valve, imbedded. From the Chemung?
Lockport, N. Y.	As <i>Modiolopsis</i> (?) <i>undulostriata</i> . Cast of right valve, imbedded.
Bridgeport, Ill.	Internal cast right valve.
Schoharie, N. Y.	As <i>Anatina</i> (?) <i>sinuata</i> . Taken by Zittel as the type of the genus <i>Ilionia</i> . Two nearly entire internal casts and half of another.
" "	As <i>Megambonia aviculoidea</i> . Small left valve, imb. with others.
Herkimer Co., N. Y.	" " Exterior-interior imprint of left valve. From Jerusalem Hill.
New Hartford, N. Y.	As <i>Avicula rhomboidea</i> . Internal casts of two left valves.
Sodus, N. Y.	" " " Internal cast small left valve with a little shell.
Arisaig, N. S.	" <i>L. (Sanguinolites) aratus</i> . Cast of left valve, imbedded.
Galt, Ont.	Anterior two-thirds of a large individual.
" "	Anterior half of a left valve.
" "	Internal casts of one large and two medium-sized individuals.
" "	Five internal casts of individuals.
" "	Small individual, nearly entire.
" "	Large, exfoliated left valve.
" "	Large left valve, nearly entire.
.....	See <i>Leiopteria aviculoidea</i> .
Arisaig, N. S.	Imperfect exterior-interior cast of left valve, imbedded.
Schoharie, N. Y.	A nearly entire individual, considerably exfoliated.
Near Schoharie, N. Y.	A much exfoliated individual.
Near Mohawk, N. Y.	Internal cast of individual.
Bridgeport, Ill.	Internal cast of left valve.
Schoharie, N. Y.	Two valves and a group of five imb. with others; three blocks.
.....	As <i>Nucula macheriiformis</i> .
Wolcott, N. Y.	" <i>Tellinomya</i> " Exterior-interior cast of left valve.
" "	" " " " " right valve, and of an individual, imbedded separately.
.....	As type of <i>Cypricardia</i> ? <i>angusta</i> Hall.
Wolcott, N. Y.	" <i>Tellinomya macheriiformis</i> . Int. cast indiv., comp. vertically.
.....	" <i>Cypricardia orthonota</i> .
Lockport, N. Y.	Internal cast of individual, shows some external features.
Medina, N. Y.	" " small right valve, imbedded.
Waldron, Ind.	Exterior-interior imprint of right valve. See also <i>M. subalata</i> .

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Med.	1432	Fig'd.	Modiolopsis Hall—Cont.					
			? primigenia (Con.) Hall.	Pal. N. Y.	2	11	4 bis	2a, int.
			"	"	2	11	4 bis	2b, "
Niag.	2075	Type.	recta Hall.	N. Y. S. M.	20	338	14	4
			"	"	20	338	14	5
Cl.	1644	"	? rhomboidea Hall.	Can. N. & G.	5	148	p. 149	6
"	1560	Type.	subalata Hall.	Pal. N. Y.	2	84	27	5
"	1560	"	"	"	2	84	27	6a, b
Niag.	1560	"	"	N. Y. S. M.	28	173	27	4-6
"	1560	Fig'd.	" ?	Pal. N. Y.	2	84	59	7, l. z.
Cl.	1561	Type.	subcarinata Hall.	"	2	101	30	3b, d, 4a
"	1645	"	subnasuta Hall.	Can. N. & G.	5	148		
			undulostriata					
			Myalina de Koninck.					
			mytiliformis					
Cl.	1611	Type.	Mytilarca Hall.					
			mytiliformis Hall.	Pal. N. Y.	2	100	30	1a-d
Niag.	1948	"	sigillum Hall.	N. Y. S. M.	28	174	27	10
			Nucula Lamarck.					
			machariformis					
Cl.	1637	Type.	Nuculites Conrad.					
			carinata Hall.	Can. N. & G.	5	151		10
"	1561	"	Orthodesma Hall & Whitf.					
			curtum Hall.	Geol. N. Y.	4th D.	76	ct. 18	1 r. z.
			"	Pal. N. Y.	2	86	27	11a, b
			Orthonota Conrad.					
			curta					
Niag.	2070	Gen. and Sp. Type.	Palæocardia Hall.					
			cyrdiformis Hall.	N. Y. S. M.	20	341	14	11, 12
			Posidonia Bronn.					
			alata					
			Posidonomya Bronn.					
			rhomboidea					
			Pterinea , Goldfuss.					
			brisa					
L. II.	2514	Type.	communis Hall.	Pal. N. Y.	3	286	52	1
"	2514	"	"	"	3	286	52	3, 6
"	"	"	"	"	3	286	52	4, 5, 7
"	"	"	"	"	3	286	53	4
Cl.	1635	"	Honeymani Hall.	Can. N. & G.	5	153	p. 154	13
L. H.	2517	"	manticula Hall.	Pal. N. Y.	3	284	51	8
"	2515	"	securiformis Hall.	"	3	290	53	12
"	2515	"	"	"	3	290	53	13, 14
Niag.	1960	Fig'd.	striæcosta (McChes.) .. H.	N. Y. S. M.	20	337	14	1
"	1960	"	"	Hall.	28	173	27	7, 8
"	"	"	"	"	28	173	27	9
Niag.	1793	Type.	? undata Hall.	Pal. N. Y.	2	283	59	2

LOCALITY.	REMARKS.
Lockport, N. Y.	Internal cast of left valve.
" "	" " " imbedded with type of <i>Orthoceras multi-septum</i> , fig. 8b, same plate. See also <i>Actinopteria emacerata</i> .
Bridgeport, Ill.	Internal cast of small right valve.
" "	Very perfect internal cast left valve in block with type of <i>Cypricardinia arata</i> , fig. 6, same plate.
Arisaig, N. S.	Sharp internal cast left valve, imb. Series has two unfigured types.
Rochester, N. Y.	Internal casts of two opposite valves, imbedded.
Wolcott, N. Y.	" " " right valves.
Waldron, Ind.	Fig. 4 as <i>Modiolopsis perlata</i> , by error. Ext.-int. impr. of two opp. v.
Lockport? N. Y.	Imprint of left valve. Probably from Wolcott, N. Y.
Mohawk, N. Y.	Exterior-interior imprints of one right and two left valves.
Arisaig, N. S.	" " cast of right valve imbedded.
.....	See <i>Cypricardinia undulostriata</i> .
.....	" <i>Mytilarca mytiliformis</i> .
Mohawk, N. Y.	As <i>Myalina mytiliformis</i> . Two exterior-interior casts of right valves, and one of an individual somewhat compressed vertically.
Waldron, Ind.	Internal cast of a small right valve, imbedded.
.....	See <i>Modiolopsis macheriformis</i> .
Arisaig, N. S.	As <i>Nuculites (Orthonota) carinatus</i> . Ext.-int. cast of a left valve.
.....	" <i>Orthonota curta</i> .
Wolcott, N. Y.	" " Exterior-interior imprint of opposite valves.
.....	See <i>Orthodesma curtum</i> and <i>Cuneamya alveata</i> .
Near Milwaukee, Wis.	Internal cast of an individual.
.....	= <i>Posidonomya</i> .
.....	See <i>Anodontopsis alata</i> .
.....	" <i>Pterinopecten rhomboideus</i> .
.....	" <i>Pterinea striacosta</i> .
Near Hudson, N. Y.	As <i>Avicula communis</i> . Ext.-int. impr. left v., trans. compressed.
Nr. Clarksville, N. Y.	" " " Two left valves imb. so as to show interior.
" " "	" " " Casts of interior of two l. and one r. valve.
" " "	" " " Internal cast of left valve.
Arisaig, N. S.	" " <i>Honeymani</i> . Exterior-interior cast of left valve.
Near Hudson, N. Y.	" " <i>manticula</i> . Imperfect left valve, imbedded.
" " "	" " <i>securiformis</i> . Weathered imprint of large left valve.
Nr. Clarksville, N. Y.	" " " Obscure imprint of a right (?) valve and imperfect imprint of a left valve.
Bridgeport, Ill.	As type of <i>P. brisa</i> Hall. Int. cast left valve, with some shell.
Waldron, Ind.	" " " Two left valves, imbedded.
" " "	" " " Internal cast left valve.
Rochester, N. Y.	" <i>Avicula undata</i> . Exterior-interior cast of a left valve, imbedded.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
L. H.	2506	Type.	Pterinopecten Hall. bellulus.....Hall.	Pal. N. Y.	3	289	53	8
Niag.	1794	"	? rhomboideus.....Hall.	" "	2	284	59	5, 1, v.
"	1792	"	Pteronites Hall. subplanus.....Hall.	" "	2	283	59	3a, c
"	"	"	"	" "	2	283	59	3b
Cl.	1558	Gen. and Sp. Type.	Pyrenomœus Hall. cuneatus.....Hall.	" "	2	87	27	3
"	1558	"	"	" "	2	87	27	12a-c
"	1636	Type.	Tellinomya Hall. attenuata.....Hall.	Can. N. & G.	5	151	....	11
Cl.	1613	Type.	curta.....Hall.	Pal. N. Y.	2	102	30	4b, r. v.
"	1558	"	elliptica.....Hall.	" "	2	85	27	7 r. v.
"	"	"	lata.....Hall.	" "	2	85	27	7 r. v.
"	"	"	nächeriformis.....Hall.	" "	2	85	27	7 r. v.
L. H.	2532	Type.	nucleiformis.....Hall.	Pal. N. Y.	3	263	49	1 int. 1, v.

Class GASTROPODA.

			Acroculia Phillips. angulata.....Hall.					
			niagarensis.....Hall.					
Niag.	1954	Type.	Bellerophon Montfort. tuber.....Hall.	N. Y. S. M.	28	177	30	19, 20
Med.	1558	Fig'd.	Bucanella Meek. trilobata (Con.).....Hall.	Pal. N. Y.	2	13	4 bis	3d, 5b
Cl.	1558	"	" " " " " " " "	" "	2	93	28	10a
"	"	"	" " " " " " " "	" "	2	93	28	10b
Guelph	2235	Type.	Bucania Hall. angustata.....Hall.	" "	2	349	84	6a, b
Niag.	2100	Fig'd.	chicagoensis (McChes.) H.	N. Y. S. M.	20	347	15	23, 24
L. H.	2558	Type.	profunda.....Hall.	Pal. N. Y.	3	341	68	2a, b
"	2558	"	"	" "	3	341	68	3a-c
Cl.	1573	"	stigmata.....Hall.	" "	2	92	28	8a-e
			trilobata.....Hall.					
Cl.	1569	Type.	Cyclonema Hall. cancellatum.....Hall.	Geol. N. Y.	4th D.	72	ct. 17	5, 6
"	"	"	"	Pal. N. Y.	2	90	28	1c, f-h
"	1569	Fig'd.	" ?.....Hall.	" "	2	90	28	1 b, d, e
Niag.	2081	Type.	? elevatum.....Hall.	N. Y. S. M.	20	342	15	5a, b
Med.	1554	Fig'd.	pervetustum (Con.).....Hall.	Pal. N. Y.	2	12	4 bis	3a
"	1554	"	" " " " " " " "	" "	2	12	4 bis	3d
Guelph	2227	Type.	sulcatum.....Hall.	" "	2	347	84	1a, b, d
"	2227	"	"	" "	2	347	84	1c
Cl.	1570	"	ventricosum.....Hall.	" "	2	90	28	2a-c

LOCALITY.	REMARKS.
Helderberg Mts., N. Y.	As <i>Avicula bellula</i> . Exterior-interior imprint of both valves expanded. The counterpart also is present.
Lockport, N. Y.	As <i>Posidonomya (?) rhomboidea</i> . Ext.-int. cast of a left valve.
" "	" <i>Avicula subplana</i> . Imprint of two right and one left valve in block, with <i>Actinopteria emacerata</i> , figs. 1a, d, same plate.
" "	As <i>Avicula subplana</i> . Cast of a large left valve.
Wolcott, N. Y.	Exterior-interior cast of a small left valve, imbedded.
New Hartford, N. Y.	Internal casts of two left and a right v.; show some ext. features.
Arisaig, N. S.	Internal cast of a left valve retaining some shell. See <i>Cuneamya curta</i> .
Mohawk, N. Y.	Exterior-interior cast of a right valve, imbedded.
Wolcott, N. Y.	Internal cast of a right valve, imbedded. See <i>Modiolopsis macheri formis</i> .
Near Schoharie, N. Y.	Internal cast of a left valve.
.....	
	= <i>Platyceras</i> .
.....	See " <i>angulatum</i> .
.....	" " <i>niagarensis</i> .
Waldron, Ind.	Cast of a small individual.
Lockport, N. Y.	As <i>Bucania</i> . Int. cast in block with <i>Cyclonema pervetusta</i> , fig. 3d. same pl. Fig. 5a seems to have been made from another specimen.
New Hartford, N. Y.	Internal cast, imbedded.
" " "	Very large internal cast. May not be of this species.
Galt, Ont.	Internal cast of large individual.
Bridgeport, Ill.	As type of <i>Tremanotus alpheus</i> Hall. Cast.
Schoharie, N. Y.	Weathered internal cast.
Carlisle, N. Y.	Inner volutions of a large individual.
Lockport, N. Y.	A distorted adult, and a small internal cast. See <i>Bucanella trilobata</i> .
.....	As <i>Littorina cancellata</i> .
Rochester, N. Y.	An adult, and a young individual.
" "	Two individuals.
Lockport, N. Y.	Large internal cast retaining small fragment of shell.
Racine, Wis.	Internal cast.
Lockport, N. Y.	As <i>Pleurotomaria (?) pervetusta</i> . Internal cast imbedded. Figs. 3b, c seem to have been made from another individual.
" "	As <i>Pleurotomaria (?) pervetusta</i> . Many int. casts in bl'k. pt. of wh. was fig'd. Bl'k also contains <i>Bucanella trilobata</i> , fig. 5b, same pl.
Galt, Ont.	A worn adult, and the exterior imprint of part of another.
Newark, N. Y.	Small, somewhat imperfect individual, imbedded.
Sodus, N. Y.	Entire adult.

Class GASTROPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	Work.	REFERENCE.			
					Vol.	P.	Pl.	Figs.
Niag.	1953	Type.	Cyrtolites Conrad. sinuosus.....Hall.	N. Y. S. M.	28	178	30	16-18
"	2079	"	Eunema Salter. ?trilineatum.....Hall.	" "	20	346	15	3
L. H.	2577	"	Euomphalus Sowerby. decollatus (Hall) Miller.	Am. P. F.	.....	244		
"	2577	"	" " " " Hall.	Pal. N. Y.	3	340	65	8
			disjunctus.....		3	340	67	4a-c
			hemisphericus.....					
L. H.	2578	Type.	Holopea Hall. antiqua.....Hall.	Pal. N. Y.	3	294	54	2a
"	2578	"	" " " " " "	" "	3	294	54	2b, 3a, b
Med.	1436	"	conoidea.....Hall.	" "	2	13	4	7
Niag.	2080	Fig'd.	guelphensis (Bill.) Hall.	N. Y. S. M.	20	343	15	18
Cl.	1648	Type.	reversa.....Hall.	Can. N. & G.	5	154	.....	14
L. H.	2579	"	subconica.....Hall.	Pal. N. Y.	3	294	54	1a, b
			Littorina Féussac. cancellata.....					
L. H.	2581	Type.	Loxonema Phillips. attenuatum.....Hall.	Pal. N. Y.	3	296	54 67	8 3
"	2583	Type.	Boydian.....					
"	2584	"	?compactum.....Hall.	Pal. N. Y.	3	297	54	12
Niag.	2098	"	Fitchi.....Hall.	" "	3	296	54	9, 11a
			leda.....Hall.	N. Y. S. M.	20	367	15	2
			" " " " " "	" "	20	346	.....	
L. H.	2582	"	planogyratum.....Hall.	Pal. N. Y.	3	298	54	13
			sp.....	N. Y. S. M.	20	346	.....	
			Murchisonia d'A. & de V. aciculata.....Hall.	Can. N. & G.	5	154	.....	
Cl.	1649	Type.	arisaigensis.....Hall.	" "	5	154	.....	
L. H.	2587	"	bilirata.....Hall.	Pal. N. Y.	3	299	55	2
Guelph	2230	Type.	bivittata.....Hall.	" "	2	345	83	1a
"	2234	"	" " " " " "	" "	2	345	83	1b
			Boydian.....Hall.	Geol. N. Y.	4th D.	138	ct. 54	3
			" " " " " "	Pal. N. Y.	2	346	83	3
			conoidea.....					
Niag.	2093	Type.	Conradi.....Hall.	N. Y. S. M.	20	344	15	19
L. H.	2586	"	extenuata.....Hall.	Pal. N. Y.	3	298	54	16
Niag.	2097	"	Laphami.....Hall.	Geol. Wis.	1861	36		
Guelph	2233	"	" " " " " "	N. Y. S. M.	20	366	15	20
"	"	"	Logani.....Hall.	Pal. N. Y.	2	346	83	4a
"	"	"	" " " " " "	" "	2	346	83	4b
"	2096	"	longispira.....Hall.	" "	2	345	83	2a
"	"	"	" " " " " "	" "	2	345	83	2b
"	2232	"	macrospira.....Hall.	" "	2	346	83	5
Cl.	1572	Fig'd.	subulata (Con.).....Hall.	" "	2	91	28	7a
"	1572	"	" " " " " "	" "	2	91	28	7b
"	1572	"	" " " " " "	" "	2	91	28	7d
Guelph	2231	Type.	turritiformis.....Hall.	" "	2	347	83	6a, b
			Platyceras Conrad. agreste.....Hall.	" "	3	338	65	4, 7
Niag.	1201	"	angulatum.....Hall.	" "	2	289	60	4a, b
"	"	"	" " " " " "	" "	2	289	60	4c, d

LOCALITY.	REMARKS.
Waldron, Ind.	Internal cast.
Racine, Wis.	Exterior imprint. Figured from gutta-percha squeeze.
Schoharie, N. Y.	As <i>Euomphalus disjunctus</i> Hall. Name preoccupied. Cast, imb.
Carlisle, N. Y.	" " " " Cast, imbedded.
.....	See <i>Euomphalus decollatus</i> .
.....	" <i>Platystoma hemisphericum</i> .
Litchfield, N. Y.	Internal cast, imbedded with many others.
Nr. Schoharie, N. Y.	Three internal casts. One is very large for the species.
Lockport, N. Y.	As <i>Murchisonia</i> ? <i>conoidea</i> . Internal cast, imbedded.
Racine, Wis.	Internal cast.
Arisaig, N. S.	" " imbedded.
Schoharie, N. Y.	Two individuals preserving aperture in part.
.....	See <i>Cyclonema cancellatum</i> .
Carlisle, N. Y.	Two imperfect internal casts.
.....	See <i>Murchisonia</i> .
Near Schoharie, N. Y.	Internal cast of 13 volutions, preserving shell along some of sutures.
Schoharie, N. Y.	Two compressed internal casts.
Wauwatosa, Wis.	As <i>Loxonema</i> ? sp. Exterior imprint of eight volutions.
Near Schoharie, N. Y.	An imbedded adult, imperfect at apex and base.
.....	See <i>Loxonema Leda</i> .
Arisaig, N. S.	Two individuals retaining part of shell, imbedded.
" "	Two internal casts with some shell, imbedded.
Albany Co., N. Y.	Exterior-interior cast of two volutions.
Galt, Ont.	Internal cast of six volutions.
" "	Five volutions imbedded so as to show longit. sect.
.....	As <i>Loxonema Boydi</i> .
Newark, N. Y.	Internal cast showing aperture.
.....	See <i>Holopea conoidea</i> .
Racine, Wis.	External imprint of seven volutions.
Schoharie, N. Y.	A much weathered individual, imbedded.
Racine, Wis.	Ext. impr. five volutions. Two unfig'd int. casts are in the series.
Galt, Ont.	Upper part is matrix, lower part is int. cast preserving columella.
" "	Internal cast of six volutions.
" "	Exterior imprint of shell and columella near base.
" "	Longitudinal section, imbedded.
" "	Exterior imprint of four and a half volutions.
Wolcott, N. Y.	Internal cast of young individual, imbedded.
Reynale's Basin, N. Y.	Internal cast of individual, imbedded.
Medina, N. Y.	Large, weatherworn individual, imbedded.
Galt, Ont.	Two fragmentary internal casts.
Near Carlisle, N. Y.	A small and a large cast, each with some shell.
Lockport, N. Y.	As <i>Acroculia angulata</i> . Small internal cast, with some shell.
" "	" " " " Individual, with shell well preserved.

Class GASTROPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Platyceras Conrad—Cont.								
L. H.	2539	Type.	arcuatum.....Hall.	Pal. N. Y.	3	336	65	6
"	2567	"	Billingsi.....Hall.	" "	3	315	57	1a, b
"	2555	"	bisinuatum.....Hall.	" "	3	318	58	6a, b
"	2563	"	bisulcatum.....Hall.	" "	3	327	60	6d, e
"	2533	"	calantica.....Hall.	" "	3	328	62	1-3, 5
"	2546	"	clavatum.....Hall.	" "	3	328	62	4
"	2544	"	curvirostrum.....Hall.	" "	3	337	65	2
"	2539	"	dilatatum.....Hall.	" "	3	338	65	3a, b
"	2536	"	elongatum.....Hall.	" "	3	322	59	5a-i, 6c
"	2563	Fig'd.	?var.....Hall.	" "	3	335	64	6, 10
"	2563	Type.	Gelhardi.....Conrad.	Geol. N. Y.	1840	206		5a, b
			Hall.	Pal. N. Y.	3	312	55	6a, b
"	2563	Fig'd.	" (Con.).....Hall.	" "	3	312	56	6
"	2560	Type.	gibbosum.....Hall.	" "	3	312	56	5a, b
"	2551	"	incile.....Hall.	" "	3	323	60	7, 9
"	2549	"	intermedium.....Hall.	" "	3	323	59	6a-c
"	2545	"	lamellosum.....Hall.	" "	3	332	63	6d-g, 7a
"	2558	"	multisinuatum.....Hall.	" "	3	321	58	13
"	2564	"	Newberryi.....Hall.	" "	3	321	58	11
Niag.	1800	"	niagarense.....Hall.	" "	3	330	63	1-3
L. H.	2541	"	obesum.....Hall.	" "	3	319	58	8a-9b
"	2557	"	pentalobus.....Hall.	" "	3	333	63	14a-e
"	2535	"	perplicatum.....Hall.	" "	2	288	60	3
"	2543	"	pileiforme.....Hall.	" "	3	329	62	6
"	2542	"	platystoma.....Hall.	" "	3	329	62	7
"	2542	"	platystoma, var. alveatum Hall.	" "	3	319	58	7a-c
"	2538	"	plicatum.....Hall.	" "	3	325	59	8
"	2537	"	pyramidatum.....Hall.	" "	3	327	61	13b
"	2556	"	retrorsum.....Hall.	" "	3	326	60	1c
"	2566	"	robustum.....Hall.	" "	3	326	60	1a, b
"	2566	"	".....Hall.	" "	3	326	60	3a-c
"	2537	"	pyramidatum.....Hall.	" "	3	334	64	1, 3, 4
"	2556	"	retrorsum.....Hall.	" "	3	336	64	7-9
"	2566	"	robustum.....Hall.	" "	3	320	59	9a, b
"	2566	"	".....Hall.	" "	3	313	55	10
"	2566	"	".....Hall.	" "	3	313	55	11a
"	2562	"	sinuatum.....Hall.	" "	3	313	55	11b
"	2540	"	spirale.....Hall.	" "	3	314	55	7
"	2553	"	sulcoplicatum.....Hall.	" "	3	314	55	2
"	2561	"	tenuiliratum.....Hall.	" "	3	331	63	4, 5, 7
"	2547	"	tubiforme.....Hall.	" "	3	324	59	7b
"	2533	"	undulostriatum.....Hall.	" "	3	317	58	1, 2, 4, 5
"	2552	"	unguiforme.....Hall.	" "	3	59	6a, b	
"	2552	"	".....Hall.	" "	3	332	63	11
"	2552	"	".....Hall.	" "	3	336	65	1a, b
"	2552	"	".....Hall.	" "	3	322	59	1a
"	2552	Fig'd.	ventricosum (Con.).....Hall.	" "	3	322	59	2, 3a
"	2552	"	".....Hall.	" "	3	311	56	1, 4, 8
"	2552	"	".....Hall.	" "	3	311	56	2a, b
"	2552	"	".....Hall.	" "	3	311	57	4
"	2550	"	sp.....Hall.	" "	3	311	61	2
Platystoma Conrad.								
L. H.	2569	Fig'd.	arenosum (Con.).....Hall.	" "	3	302	57	3a, b
"	2570	Type.	depressum.....Hall.	" "	3	301	55	4a

LOCALITY.	REMARKS.
Nr. Schoharie, N. Y.	Large, somewhat crushed. Shows some of exterior.
Near Hudson, N. Y.	A large individual, somewhat broken.
Nr. Clarksville, N. Y.	A nearly perfect individual.
Helderberg Mts., N. Y.	An entire individual.
Near Schoharie, N. Y.	Four internal casts; two imbedded.
Nr. Clarksville, N. Y.	Internal cast, imbedded.
Carlisle, N. Y.	Internal cast with a very little shell attached.
" "	Internal cast retaining small portions of shell.
Nr. Clarksville, N. Y.	Seven individuals of various sizes and degrees of perfection.
Near Schoharie, N. Y.	Two individuals preserving much shell.
" "	Large individual. Another unfigured indiv. is in the type series.
Schoharie, N. Y.	Large and nearly perf., imb. Prob. the spec. used by Mr. Conrad.
" "	Large individual, imbedded.
Catskill Creek, N. Y.	Two internal casts retaining fragments of shell.
Near Schoharie, N. Y.	Large, somewhat imperfect, crushed.
Nr. Clarksville, N. Y.	Two nearly perfect and one (6g) weathered individual.
" "	Upper part of an individual.
Schoharie, N. Y.	Large individual without apex.
Near Schoharie, N. Y.	Three individuals.
{ Alb. & Schoharie }	A small and a large individual, the latter partly exfoliated.
{ Cos., N. Y. }	Internal cast. A larger unfigured cast is in the series.
Nr. Hudson, N. Y.	As <i>Acrocutha niagarensis</i> H. Somewhat crushed and exfol., imb.
Lockport, N. Y.	Large internal cast.
Near Hudson, N. Y.	Part of peristome of a very large shell.
Near Schoharie, N. Y.	Entire.
Nr. Clarksville, N. Y.	Weathered individual, imbedded.
Near Schoharie, N. Y.	Fig. 1c given as <i>Platyceras platystoma</i> H. by error. A young individ.
" " "	A nearly entire individ. and an int. cast. See also <i>Platyceras</i> [pileiforme.
" " "	Entire.
" " "	Two individuals.
" " "	Two internal casts, one retaining some shell.
Schoharie, N. Y.	A considerably exfoliated individual.
" " "	Large individual with part of shell gone.
Near Hudson, N. Y.	Internal cast retaining some shell.
Nr. Clarksville, N. Y.	" " " " "
Schoharie, N. Y.	Large individual, somewhat exfoliated.
Near Schoharie, N. Y.	Three individuals.
Schoharie, N. Y.	Individual, partly exfoliated.
Nr. Clarksville, N. Y.	Five individuals.
Near Hudson, N. Y.	Part of internal cast of a large individual.
Schoharie, N. Y.	A nearly perfect individual.
Near Schoharie, N. Y.	Internal cast.
" " "	Two individuals.
Catskill Creek, N. Y.	Three internal casts retaining some shell.
Helderberg Mts., N. Y.	Entire individual.
Near Hudson, N. Y.	Very large, imbedded. Part of silicified shell is gone.
The Helderbergs, N. Y.	Exfoliated individual.
Near Schoharie, N. Y.	Internal cast.
Catskill Creek, N. Y.	Internal cast with a very little shell on it.
Schoharie, N. Y.	Nearly entire, imbedded.

Class GASTROPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Platystoma Con.—Cont.								
L. H.	2570	Type.	depressum Hall.	Pal. N. Y.	3	301	55	4b
Niag.	1799	"	hemisphericum Hall.	Geol. N. Y.	4th D.	110	ct. 39	1, 2
"	1567	"	niagarense Hall.	Pal. N. Y.	2	288	60	2a, b
"	1567	"	"	"	2	287	60	1a-g, i-r
"	1567	"	"	"	2	287	60	1s, t, u
"	1567	"	"	"	2	287	60	1v
"	"	"	"	N. Y. S. M.	28	175	28	1-4
"	"	"	"	"	28	175	28	5-12
"	"	"	"	"	28	175	29	1-10
"	"	"	"	"	28	175	29	11-15
"	"	Fig'd.	" ?..... Hall.	"	28	175	28	13
Cl.	1567	"	"	Pal. N. Y.	2	103	31	3a, b
Niag.	1502	Type.	plebeium Hall.	N. Y. S. M.	28	175	28	14, 15
L. H.	2571	Fig'd.	? subangulatum Hall.	Pal. N. Y.	3	301	55	3a, b
"	2518	"	ventricosum (Con.) . Hall.	"	3	300	55	9a-d
"	"	"	sp. Hall.	"	2	....	31	3a, b
Pleurotomaria DeFrance.								
Niag.	2022	Type.	axion Hall.	N. Y. S. M.	20	344	15	17
Guelph	2228	"	bispiralis Hall.	Pal. N. Y.	2	348	84	2a, b
Niag.	2090	"	Halei Hall.	Geol. Wis.	1861	34		
"	2091	"	Hoyi Hall.	N. Y. S. M.	20	364	15	13, 14
"	"	"	"	Geol. Wis.	1861	35		
"	"	"	"	N. Y. S. M.	20	364	15	10
"	2089	"	idia Hall.	"	20,	393	25	11, 12
"	"	"	"	Geol. Wis.	1861	35		
L. H.	2583	Type.	labrosa Hall.	N. Y. S. M.	20	365	15	15, 16
"	2585	"	"	Pal. N. Y.	3	339	66	1a, b
"	1	"	"	"	3	339	66	2-5
Med.	1438	Type.	labrosa, var. occidens Hall.	"	2	12	4 bis	4a, b
Niag.	2093	"	litorea Hall.	"	20	364	15	11
"	"	"	occidens Hall.	N. Y. S. M.	20	364	15	
"	"	"	"	"	20	343		
"	"	"	"	"	20	364	15	12
"	"	"	"	"	20	343		
"	2093	"	"	"	20,	392	25	9, 10
Guelph	2220	"	perlata Hall.	Pal. N. Y.	2	349	84	5a-c
"	"	"	pervetusta Hall.	"				
Guelph	2228	Fig'd.	solaroides Hall.	Pal. N. Y.	2	348	84	3
Straparollus Montfort.								
Niag.	2087	Type.	mopsus Hall.	N. Y. S. M.	20	342	15	22
Guelph	2225	"	solaroides Hall.	Pal. N. Y.	2	348	84	4a, b
Strophostylus Hall.								
Niag.	1952	"	cyclostomus Hall.	T. A. I.	4	218		
"	1952a	"	"	N. Y. S. M.	28	176	30	1-13
"	"	"	" var. disjunctus Hall.	"	28,	177	30	14, 15
"	"	"	"	"	2d ed.			
"	"	"	"	"	28,		30	14, 15
"	"	"	"	"	1st ed.			
L. H.	2576	Gen. and Sp. Type	elegans Hall.	Pal. N. Y.	3	304	55	1a, d
"	2576	"	"	"	3	304	55	1b
"	2576	"	"	"	3	304	55	1c
"	2574	Type.	Fitchi Hall.	"	3	306	67	2d, e

LOCALITY.	REMARKS.
Coeyman's, N. Y.	Somewhat exfoliated individual. As <i>Euomphalus hemisphericus</i> Hall.
Rochester, N. Y.	Large cast, imbedded.
Lockport, N. Y.	Ten individuals of various degrees of perfection.
Rochester, N. Y.	Large individual, exfoliated.
Lockport, N. Y.	Adult retaining the shell, imbedded.
Waldron, Ind.	Two individuals.
" "	Four individuals having the last volution free.
" "	Four adults with whorls in close contact throughout.
" "	Two individuals with free volutions.
" "	Shows an approach to a columella.
New Hartford, N. Y.	As <i>Platystoma</i> sp. Two internal casts.
Waldron, Ind.	Internal cast retaining some shell.
Near Clarksville, N. Y.	Internal cast, imbedded.
Catskill Creek, N. Y.	Three internal casts retaining small bits of shell.
" "	See <i>Platystoma niagarensis</i> .
Bridgeport, Ill.	A very perfect, nearly entire, external mould.
Galt, Ont.	Mould of exterior.
Racine, Wis.	Int. cast. Two other int. casts and an ext. mould are in type series.
" "	Large internal cast showing some external features.
" "	Internal cast with some external markings.
" "	Internal cast partly restored in the figures.
Nr. Clarksville, N. Y.	A fragment preserving some shell.
Carlisle, N. Y.	Four internal casts preserving some shell.
" "	See <i>Pleurotomaria occidentis</i> .
Lockport, N. Y.	Internal cast, nearly entire.
Racine, Wis.	As <i>Pleurotomaria labrosa</i> , var. <i>occidens</i> H. Internal cast. External features taken from another specimen.
" "	As <i>Pleurotomaria labrosa</i> , var. <i>occidens</i> H. Two exterior moulds used in making the figure.
Lyons, Iowa.	Very large internal cast retaining some shell.
Galt, Ont.	Two casts, weathered and fragmentary.
" "	See <i>Cyclonema pervetustum</i> .
" "	" <i>Straparollus solarioides</i> .
Galt, Ont.	Lower part of large internal cast.
Racine, Wis.	Internal cast, imbedded.
Galt, Ont.	As <i>Pleurotomaria solarioides</i> . Two individuals, partly casts.
Waldron, Ind.	Six individuals.
" "	As <i>Strophostylus cyclostomus</i> H.? Nearly entire, well preserved.
Carlisle, N. Y.	Small individual, imbedded. Enl. prob. made from this specimen.
Schoharie, N. Y.	Nearly entire adult, imbedded.
Near Hudson, N. Y.	Well preserved adult with lip broken away.
Carlisle, N. Y.	Large individual somewhat broken and exfoliated.

Class GASTROPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
L. H.	2572	Type.	Strophostylus Hall—Cont.					
			globosus Hall.	Pal. N. Y.	3	305	55	8
	2575	"	obtusum Hall.	" "	3	305	67	1a, b
"	2573	"	? rotundatus Hall.	" "	3	307	57	1c
Guelph Niag.	2099 ⁹	"	Subulites Conrad.					
			ventricosus Hall.	" "	2	347	83	7a, b
	2099 ⁹	"	"	N. Y. S. M.	20	346	15	1
Niag.			Tremanotus Hall.					
			alpheus					
			Trochonema Salter.					
	2078	Type.	fatuum Hall.	N. Y. S. M.	20	345	15	7, 8

Class PTEROPODA.

Niag.	1804	Type.	Conularia Miller.					
			bisculata					
			longa Hall.	Pal. N. Y.	2	295	65	2a, b
"	1874	"	"	" "	2	295	65	2c, d
"	1874	"	niagarensis Hall.	" "	2	294	65	1a-d
"		"	"	Geol. N. Y.	4th D.	111	ct. 40	2
"		"	"	Pal. N. Y.	2	294	65	1e, f
"		"	"	" "	2	294	65	g, g†
"		"	"	" "	2	294	65	1h
L. H.	2589	"	pyramidalis Hall.	" "	3	347	72A	1b, c
L. H.			Tentaculites Schlotheim.					
			distant.					
			elongatus Hall.	Pal. N. Y.	3	136	6	16
"	2590	"	"	" "	3	136	6	17, 20, 21
"	2591	Fig'd.	gyracanthus (Eaton) H.	" "	3	137	6	22, 23
Cl. Niag.	1575	Type.	irregularis					
			minutus Hall.	Pal. N. Y.	2	183	A41	8b-e
	1806	"	Niagarensis Hall.	" "	2	352	85	11, 12

Class CEPHALOPODA.

Niag.	2102	Type.	Actinoceras Bronn.					
			abnorme Hall.	N. Y. S. M.	20	355	18	10
			"	" "	20, 2d ed.	....	25	18, sect.
Guelph Niag.	2236	Type.	Cyrtoceras Goldfuss.					
			amplicorne					
			arcticameratum Hall.	Pal. N. Y.	2	349	84	7a-d
"	2118	"	brevicorne Hall.	N. Y. S. M.	20	356	18	8, 9
"		"	"	" "	20, 2d ed.	407	25	14
Niag.	2122	Type.	cancellatum					
			dardanus Hall.	Geol. Wis.	1861	43		
			"	N. Y. S. M.	20	349	17	3-5
"	2123	"	Fosteri Hall.	Geol. Wis.	1861	41		
"	2124	Fig'd.	hercules (W. & M.) Hall.	N. Y. S. M.	20	349	16	11, 12
			"	" "	20	358	17	6, 7

LOCALITY.	REMARKS.
Catskill Creek, N. Y. Helderberg Mts., N. Y. Near Hudson, N. Y.	Imperfect internal cast retaining some shell along suture. Nearly entire. Imperfect internal cast retaining some shell.
Galt, Ont. Racine, Wis.	Two internal casts. Large internal cast, nearly entire.
.....	See <i>Bucania chicagoensis</i> .
Racine, Wis.	An internal cast and an external mould of different individuals.
.....	
Lockport, N. Y. " " Rochester, N. Y. Lockport, N. Y. " " " " Nr. Clarksville, N. Y.	See <i>Conularia niagarensis</i> . A long, crushed internal cast, imbedded. Imprint of exterior, fragmentary. An imbedded fragment, preserving shell and an exterior imprint. As <i>Conularia quadrisulcata</i> Miller. A very perfect exterior imprint. Exterior imprint. Large frag. showing inner surf. Two unfig'd frag. are in type series. Two fragments, one showing exterior very perfectly.
.....	
Helderberg Mts., N. Y. Near Schoharie, N. Y. Schoharie, N. Y.	See <i>Cornulites distans</i> . Individual of medium size. Two individuals, one much exfoliated, imbedded. As the type of <i>Tentaculites irregularis</i> Hall. A slab showing hundreds of individuals.
.....	
Clinton, N. Y. Lockport, N. Y.	See <i>Tentaculites gyracanthus</i> . Weathered shale with moulds of several individuals. Individual imbedded with several others.
.....	
.....	As <i>Orthoceras abnorme</i> Hall.
Racine, Wis.	" " Septate internal cast, showing partial sect.
.....	
Galt, Ont. Racine, Wis. " "	See <i>Cyrtoceras hercules</i> . Two internal casts, septate. One shows siphon. Int. cast. Imbedded w. <i>Trochoceras desplaineuse</i> , pl. 16, figs. 8-10. Septate internal cast.
.....	See <i>Cyrtoceras subcancellatum</i> .
Wauwatosa, Wis.	Two fragmentary internal casts; one retains some shell. An unfigured type is in the series.
Bridgeport, Ill. Waukesha, Wis.	Internal cast, imbedded. As type of <i>Cyrtoceras</i> (<i>Phragmoceras</i> ?) <i>amplificorne</i> H., in the text.

Class CEPHALOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Cyrtoceras Goldfuss—Cont.					
Niag.	2119	Type.	laterale Hall.	N. Y. S. M.	20	357	18	4-6
"	2120	"	lucillus Hall.	" "	20	349	18	7
Niag.	2121	Type.	orcas Hall.	N. Y. S. M.	20	358	16	3-5
"	1881	"	rigidum Hall.	Am. P. F.	1st ed.	243	61	2a
"	1881	"	subcancellatum (H.) Miller.	Pal. N. Y.	2	290	61	2a
"	1881	"	"	" "	2	290	61	2b, c
L. H.	2597	"	subrectum Hall.	" "	3	342	69	3b-d
			<i>Discosorus</i> Hall.					
			conoideus.....					
			Gomphoceras Sowerby.					
Cl.	1580	Type.	conoideum Hall.	Pal. N. Y.	2	99	28	13a
Niag.	2115	"	"	L. Sup.	2	222	34	2, sect.
"	2114	"	scrinium Hall.	N. Y. S. M.	20	350	18	1-3
"	1832	Fig'd.	sp. Hall.	Pal. N. Y.	2	290	61	1a
"	"	"	sp. Hall.	" "	2	290	61	1b
			Lituites Montfort.					
Niag.	2131	Type.	Bickmoreanus... Whitf.	A. M. N. H.	1	191	21	1-3
"	2130	"	Marshi..... Hall.	N. Y. S. M.	20	362	16	6, 7
			Oncoceras Hall.					
Med.	1438	"	gibbosum..... Hall.	Pal. N. Y.	2	13	4 bis	6a-c
Niag.	2112	"	orcas..... Hall.	Geol. Wis.	1861	42	.....	.....
"	"	"	"	N. Y. S. M.	20	350	17	1, 2
			Ormoceras Stokes.					
Cl.	1581	"	vertebratum Hall.	Pal. N. Y.	2	94	29	1a-g
			Orthoceras Breynius.					
			abnorme.....					
Cl.	1578	Type.	abruptum Hall.	Pal. N. Y.	2	97	29	4a, b
Niag.	2102	"	alienum Hall.	N. Y. S. M.	20, 2d ed.	414	24	6
"	2108	Fig'd.	angulatum (Wahl.) ? H.	" "	20	353	19	9, 10
Cl.	1577	"	annulatum (Sow.) ? H.	Pal. N. Y.	2	96	29	3, sect.
Niag.	1808	"	" " " "	" "	2	293	64	1a, d
"	"	"	" " " "	" "	2	293	64	1b
"	"	"	" " " "	" "	2	293	64	1c
"	1808	"	" " " "	N. Y. S. M.	20	351	20	4
"	1808	"	" " " "	" "	20	351	20	5, 6
"	1808	"	" " " "	" "	20, 2d ed.	411	24	4
			cancellatum.....					
Cl.	1616	Type.	clavatum Hall.	Pal. N. Y.	2	104	31	4a, b
			columnare.....					
Niag.	2107	Type.	crebescens..... Hall.	N. Y. S. M.	20	354	19	1-3
"	1807	Fig'd.	imbricatum (Wahl.) ? H.	Pal. N. Y.	2	291	61	4a, c
"	1807	"	" " ? "	" "	2	291	61	4b
"	1807	"	" " ? "	" "	2	291	62	1
"	"	"	" " ? "	" "	2	291	62	2
"	"	"	" " ? "	" "	2	291	62	3
" ?	2105	Type.	loxias..... Hall.	N. Y. S. M.	20	380	19	7
"	2102	"	medullare..... Hall.	Geol. Wis.	1860	4		
			"	N. Y. S. M.	20	353	20	1, 2
Med.	1437	"	multiseptum Hall.	Pal. N. Y.	2	14	4 bis	8a
"	"	"	"	" "	2	14	4 bis	8b
Niag.	2152	"	niagarense Hall	N. Y. S. M.	20	356	20	3

LOCALITY.	REMARKS.
Racine, Wis.	Internal cast.
Wauwatosa, Wis.	Fragment from the middle of a large individual.
Bridgeport, Ill.	See <i>Uncoceras orcas</i> . Internal cast.
Lockport, N. Y.	As type of <i>Cyrtoceras</i> ? <i>cancellatum</i> H. Name preoccupied.
Niagara Falls, N. Y.	Very much compressed fragment (outer chamber ?) in shale.
Litchfield, N. Y.	As <i>Cyrtoceras cancellatum</i> H. Uncompr'd fragm. from limestone.
	Two internal casts.
	See <i>Gomphoceras conoideum</i> .
	" " "
Lockport, N. Y.	As type of genus <i>Discosorus</i> . Internal cast of siphon.
N. Shore L. Michigan.	" <i>Discosorus conoideus</i> H. Siphon only, imbedded, shows section.
Bridgeport, Ill.	Chamber of habitation. This is <i>G. Marcyæ</i> of W. & M.
Niagara Falls, N. Y.	Cast, in limestone.
Lockport, N. Y.	Much compressed, small individual, in shale.
Wabash, Ind.	Large internal cast showing aperture and some external features.
Kankakee, Ia.	Internal cast of septate portion showing costæ.
Lockport, N. Y.	Internal cast of eight chambers and most of outer one.
	As <i>Cyrtoceras orcas</i> H.
Waukesha, Wis.	Retains much shell. An unfigured internal cast is in type series.
Reynale's Basin, N. Y.	Five fragmentary internal casts.
	See <i>Actinoceras abnorme</i> .
Reynale's Basin, N. Y.	Internal cast.
Racine, Wis.	" "
" "	Internal cast and a small fragment of exterior imprint.
Wolcott, N. Y.	Cast showing longitudinal section, imbedded.
Lockport, N. Y.	As <i>O. undulatum</i> His. Two compressed fragments in shale.
" "	" " " " Uncompressed fragment from limestone.
" "	" " " " A natural external cast in gypsum.
Waukesha, Wis.	Internal cast.
Wauwatosa, Wis.	" "
Milwaukee, Wis.	Small fragment showing exterior markings.
	See <i>Orthoceras subcancellatum</i> .
Mohawk, N. Y.	Two internal casts.
	See <i>Orthoceras orus</i> .
Racine, Wis.	Three internal casts.
Lockport, N. Y.	Two flattened internal casts ; one imbedded.
Rochester, N. Y.	A flattened internal cast, imbedded.
Lockport, N. Y.	Much flattened, retains some shell.
" "	Fragment of shell imbedded so as to show interior.
" "	Internal cast, less compressed than usual.
N. of Great Lakes.	" " showing some exterior features ; imbedded.
Waukesha, Wis.	" " retaining some shell.
Lockport, N. Y.	" " in block with <i>Orthoceras</i> sp., figs. 7a, b, same plate.
" "	" " " <i>Modiolopsis primigenia</i> , fig. 2b, pl. 14.
Waukesha, Wis.	" " showing traces of oblique exterior annulation.

Class CEPHALOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Niag.	2106	Type.	Orthoceras Breynius—Cont.					
			orus (Hall)..... <i>Miller</i> .	Am. P. F.	.....	245		
			<i>Hall</i> .	Geol. Wis.	1860	4	...	.....
Cl.	1652	"	punctostriatum ... <i>Hall</i> .	N. Y. S. M.	20	351	19	4-6, 8
Niag.	1955	"	simulator <i>Hall</i> .	Can. N. & G.	5	154	...	15
"	1809	"	subcancellatum (<i>H.</i>) <i>Mill</i> .	N. Y. S. M.	28	179	27	11, 12
"	"	"	"	Am. P. F.	.....	245		
"	"	"	"	Pal. N. Y.	2	292	63	4a, b
"	"	"	"	"	2	292	65	.....
L. H.	2594	"	tenuinulatum ... <i>Hall</i> .	"	3	345	72	1
			<i>undulatum</i>					
Niag.	1810	Fig'd.	virgatum (<i>Sow.</i>)?..... <i>Hall</i> .	Pal. N. Y.	2	291	63	2a, b, 3
Cl.	1876	Type.	virgulatum <i>Hall</i> .	"	2	96	29	2c
Med.	1437	Fig'd.	sp..... <i>Hall</i> .	"	2	14	4 bis	7a, b
Niag.	1812	"	sp.....	"	2	292	63	5
"	2116	Type.	Phragmoceras Broderip.					
			nestor..... <i>Hall</i> .	N. Y. S. M.	20	347	p. 348	7, 8
			Trochoceras Hall.					
"	2129	"	aeneas..... <i>Hall</i> .	"	20, 2d ed.	.....	25	16
"	2127	"	costatum <i>Hall</i> .	Geol. Wis.	1860	3		
			"	N. Y. S. M.	20	360		
"	2127	"	"	"	20, 2d ed.	402	25	15
"	2126	Fig'd.	desplainense (<i>Mc Ches.</i>) <i>H.</i>	"	20	360	16	1, 2
"	1956	Type.	waldronense..... <i>Hall</i> .	"	28	359	16	8-10
				"	28	179	27	13-15

Subkingdom VERMES.

Med.	1425	Type.	Arenicolites Salter.					
			? verticalis..... <i>Hall</i> .	Pal. N. Y.	2	6	2	3
Niag.	1813	Fig'd.	Cornulites Schlotheim.					
Cl.	1583	Type.	arcuatus (<i>Con.</i>)..... <i>Hall</i> .	"	2	353	85	14-17
			clintoni..... <i>Hall</i> .	N. Y. S. M.	28	184		
"	1882	"	"	Pal. N. Y.	2	98	28	12a, c-e
"	1882	"	distans..... <i>Hall</i> .	"	2	181	A41	9a
"	"	"	"	N. Y. S. M.	28	185	...	.....
"	"	"	"	Pal. N. Y.	5, pt. 2	18	116	23
"	"	"	"	"	2	184	A41	9b, enl.
"	"	Fig'd.	"	"	5, pt. 2	19	116	24, 25
			<i>flexuosus</i>					
"	1655	Type.	<i>flexuosus</i> <i>Hall</i>					
			var. <i>gracilis</i> <i>Hall</i> .	Can. N. & G.	5	155	.....	.....
Niag.	1957	Type.	proprius <i>Hall</i> .	N. Y. S. M.	28	182	31	1, enl. X 2
"	"	"	"	"	28	182	31	2, 3
"	"	"	"	"	28	182	31	4, 6-8
"	"	"	"	"	28	182	31	5, n. s.
"	"	"	"	"	28	182	31	9-13
			sp	Pal. N. Y.	2	353	85	14-17
			sp	"	5, pt. 2	19	116	24, 25

LOCALITY.	REMARKS.
Racine, Wis.	As types of <i>Orthoceras columnare</i> , Hall. Name preoccupied.
Arisaig, N. S.	Three internal casts.
Waldron, Ind.	Internal cast of eight chambers, imbedded.
	Two internal casts.
Lockport, N. Y.	As type of <i>O. cancellatum</i> Hall. Name preoccupied.
Clarksville, N. Y.	As preceding. Exterior imprint in pyrite; small fragment.
	Small part of an internal cast, imbedded.
	See <i>Orthoceras annulatum</i> .
Lockport, N. Y.	Two small compressed fragments.
Reynale's Basin, N. Y.	Siliceous cast of outer chamber, and one other with chalcedony filling the portion beyond.
Lockport, N. Y.	Internal cast, imbedded with <i>O. multiseptum</i> , fig. 8a, same plate.
Rochester, N. Y.	Small part of a cast.
Wauwatosa, Wis.	Internal cast.
Lyons, Iowa.	" " Described in the explanation of the plate.
Racine, Wis.	External cast.
Bridgeport, Ill.	Internal cast.
Racine, Wis.	Ext. impr. in bl'k w. <i>Cyrtoc. brevicorne</i> . pl. 18, figs. 8, 9, same work.
Waldron, Ind.	Two external casts.

Class ANNELIDA.

Rochester, N. Y.	As <i>Scolithus verticalis</i> Hall. Several casts, imbedded.
Lockport, N. Y.	" <i>Cornulites</i> sp.? Three individuals, one nearly entire.
" "	" type of <i>Cornulites flexuosus</i> Hall; name preoccupied. Three internal casts, one of which retains some shell.
	As <i>Tentaculites distans</i> Hall.
	Referred to the present genus.
Flamoro' Head., Ont.	Individual, imbedded. Fig. is an enlargement $\times 3$.
" " "	Imbedded with types of <i>Stictopora crassa</i> and <i>S. raripora</i> , vol. 2, pl. 18, figs. 4b-5c.
" " "	Without reference to species. Fragment of a large individual.
	See <i>Cornulites clintoni</i> .
Arisaig, N. S.	Individual lacking part of shell; imbedded with type of <i>Beyrichia aquilatera</i> , same vol., p. 158, fig. 20.
Waldron, Ind.	Annular group of small tubes on a young <i>Strophostylus cyclostoma</i> .
" "	Two single tubes, larger than the preceding, on gastropods.
" "	Three very large tubes, free.
" "	A large tube attached to the calyx of a crinoid.
	Three large tubes cut in longitudinal and transverse section.
	See <i>Cornulites arcuatus</i> .
	" " <i>distans</i> .

Subkingdom VERMES—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.			
				Work.	Vol.	P.	Pl. Figs.
			Scolithus Haldemann.				
			<i>verticalis</i>				
Niag.	1958	Type.	Spirorbis Lamarck.				
			<i>inornatus</i> Hall.	T. A. I.	4	224	
			"	N. Y. S. M.	28	181	31
L. H.	2598	"	<i>laxus</i> Hall.	Pal. N. Y.	3	349	54 14, 15 18a-e

Subkingdom ARTHROPODA

Class

Niag.	1816	Type.	Æchmina Jones & Holl.				
			<i>spinosa</i> Hall.	Pal. N. Y.	2	317	67 17, 19
			"	" "	2	317	67 18, 20, 21
			Beyrichia McCoy.				
Cl.	1661	"	<i>æquilatera</i> Hall.	Can. N. & G.	5	158	 20
		"	" (Hall) Jones.	Q. J. G. S.	46	18	2 6, r. v. X 25
Niag.	1960	"	<i>granulosa</i> Hall.	N. Y. S. M.	28	186	32 4, enl.
			<i>lata</i>				
			<i>pustulosa</i>				
			<i>symmetrica</i>				
			<i>tuberculata</i> Boll.				
Cl.	1657	Type.	<i>var. pustulosa</i> Hall.	Can. N. & G.	5	157	p. 158 19
			Jones.	Q. J. G. S.	46	18	2 1a-c
			Bollia Jones & Holl.				
"	1584	Fig'd.	<i>lata</i> (Vanux) Hall.	Pal. N. Y.	2	301	A66 10a-e
Niag.	1815	Type.	<i>symmetrica</i> Hall.	" "	2	317	67 16
			Cytherina Lamarck.				
			<i>spinosa</i>				
			Leperditia Rouault.				
Niag.	1959	Type.	<i>fabia</i> Hall.	N. Y. S. M.	28	186	32 1-3
Cl.	1656	"	<i>sinuata</i> Hall.	Can. N. & G.	5	158	
			Jones.	Q. J. G. S.	46	24	1 12a-c

Order PHYLLOCARIDA.

			Ceratiocaris McCoy.				
Wl.	2255	Type.	<i>acuminata</i> Hall.	Pal. N. Y.	3	422*	84 6
Niag.	1818	"	<i>Deweyi</i> Hall.	" "	2	320	71 1c, d
Wl.	2254	"	<i>Maccopyana</i>	" "	3	421*	84 1
		"	"	" "	3	421*	84 2
		"	"	" "	3	421*	84 3, 4
		"	"	" "	3	421*	84 5
L. H.	2621	Type.	<i>Monroei</i> Whitfield.	A. M. N. H.	8	301	13 1
		"	"	" "	8	301	13 8, enl.
		"	"	" "	8	301	13 2
		"	"	" "	8	301	13 3
		"	"	" "	8	301	13 4
		"	"	" "	8	301	13 5
		"	"	" "	8	301	14 3, 4

Class ANNELIDA—Continued.

LOCALITY.	REMARKS.
.....	See <i>Arenicolites verticalis</i> .
Waldron, Ind. Schoharie, N. Y.	Group of three individuals on a <i>Strophonella</i> . A block thickly covered with individuals.
CRUSTACEA Order OSTRACODA.	
Lockport, N. Y. " "	As <i>Cytherinita spinosa</i> H. Two bl'ks covered w. these and other fossils. " " " Two detached valves.
Arisaig, N. S. " " Waldron, Ind.	Imbedded w. <i>Cornulites flexuosus</i> , var. <i>gracilis</i> , p. 155, same vol. Cast, imbedded. Another unfigured type is in the series. A left valve on a <i>Platystoma</i> . See <i>Bollia lata</i> . " <i>Beyrichia tuberculata</i> , var. <i>pustulosa</i> . " <i>Bollia symmetrica</i> .
.....	As <i>Beyrichia pustulosa</i> Hall.
Arisaig, N. S.	Int. cast r. valve, imb. Another spec. is in type series, but not fig'd.
New Hartford, N. Y.	As <i>Beyrichia lata</i> Vanux. Many internal and external casts on a block of the grey sandstone.
Lockport, N. Y.	As <i>Beyrichia symmetrica</i> . Two detached valves.
.....	See <i>Echmina spinosa</i> .
Waldron, Ind.	Two individuals, entire.
Arisaig, N. S.	Right valve imbedded. Genus queried by Jones.
.....	
Buffalo, N. Y. Lockport, N. Y. Buffalo, N. Y.	Imprint of the left valve of a large carapace. As <i>Onchus Derveyi</i> Hall. Last abdominal segment, imbedded. Imperfect imprint retaining some shell.
" "	Imprint retaining some shell; in block with <i>Eurypterus lacustris</i> , fig. 10, pl. 81.
" "	Impr. of telson and two body segm. of two indiv. in same block.
" "	Imprint.
Waubeka, Wis.	Part of carapace and abdomen with imprint of tail.
" "	Imprint of body showing supposed intestinal canal.
" "	Part of the abdomen and the imprint of the carapace.
" "	Anterior portion of carapace, imbedded.
" "	Mandible, imbedded with another.
" "	Two pairs of mandibles, imbedded; one of each figured.

Order PHYLLOCARIDA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ceratiocaris McCoy—Cont.								
L. H.	<u>2621</u> 1	Type.	Monroei <i>Whitfield</i> .	A. M. N. H.	8	301	14	5
"	"	"	" "	" "	8	301	14	6, 7
"	<u>2622</u> 1	"	poduriformis..... <i>Whitf.</i>	" "	8	302	14	10
			sp. ?..... <i>Hall</i> .	Pal. N. Y.	3	422*	84	7
Dithyrocaris Scouler.								
Cl.	1617	Fig'd.	sp <i>Hall</i> .	" "	2	104	31	6
Entomocaris Whitfield.								
L. H.	<u>2620</u> 1	Gen. and Sp. Type.	Telleri <i>Whitfield</i> .	A. M. N. H.	8	300	12	1
"	"	"	" ?..... "	" "	8	300	12	1, 2, 9

Order TRILOBITA.

Acidaspis Murchison.								
Niag.	2142	Type.	Danai..... <i>Hall</i> .	Geol. Wis.	1862	432		
"	"	"	" "	N. Y. S. M.	20	333	21	8
L. H.	2616	Fig'd.	hamata (Con.)..... <i>Hall</i> .	Pal. N. Y.	3	371	79	15, 18
"	2615	"	tuberculata (Con.)..... <i>Hall</i> .	" "	3	368	79	2, 5-11, 13
Cl.	1598	"	sp. indet..... <i>Hall</i> .	" "	2	299	A 66	2
Arges Goldfuss.								
<i>phlyctanodes</i>								
Asaphus Brongniart.								
<i>corycaeus</i>								
<i>limulurus</i>								
Bronteus Goldfuss.								
Niag.	2139	Type.	acamas <i>Hall</i> .	N. Y. S. M.	20	332	21	19, 20
"	1830	"	? niagarensis..... <i>Hall</i> .	Pal. N. Y.	2	314	70	3
Bumastus Murchison.								
<i>barriensis</i>								
Calymene Brongniart.								
<i>Blumenbachii</i> , Brongn.,								
var. <i>niagarensis</i>								
do., var. <i>senaria</i>								
Cl.	1525	Fig'd.	Clintoni (<i>Vanux.</i>)..... <i>Hall</i> .	Pal. N. Y.	2	298	A 66	5a, b
"	1525	"	" "	" "	2	298	A 66	5c
Niag.	1820	Type.	niagarensis <i>Hall</i> .	Geol. N. Y.	4th D.	102	ct. 33	3
"	"	"	" "	Pal. N. Y.	2	307	67	11
"	"	"	" "	" "	2	307	67	12
"	1820	"	" "	N. Y. S. M.	28	187	32	8, 9
"	2	"	" "	"	28	187	32	10-15
Guelph.	2237	Fig'd.	" ?..... "	Pal. N. Y.	2	350	83	8
Cl.	1523	"	senaria (Con.)..... <i>Hall</i> .	" "	2	299	A 66	6c, e
"	15	"	" "	" "	2	299	A 66	6d
sp <i>Hall</i> .				" "	2	350	83	8
Ceraurus Green.								
<i>insignis</i>								
Niag.	1827	Type.	niagarensis <i>Hall</i> .	N. Y. S. M.	20	376	21	10, 11
"	"	"	" "	" "	20	335		
"	1827	"	" "	" "	28,			
"	"	"	" "	" "	1st ed.		32	16
"	"	"	" "	" "	28,	189	32	16
"	"	"	" "	" "	2d ed.			

LOCALITY.	REMARKS.
Waubeka, Wis.	Imprint of body retaining some test.
" "	Three blocks with caudal segments and appendages.
" "	Fragment of carapace showing ornamentation.
Buffalo, N. Y.	Imprint of body and tail.
	Crushed fragment of a large thorax and abdomen.
Mohawk, N. Y.	As an " <i>Ichthyodorulite</i> ". Part of a spine, imbedded.
Waubeka, Wis.	Body with imprint of carapace, as described.
" "	Two mandibles and part of another indiv. supposed to belong here.
.....	Catalogue name.
Bridgeport, Ill.	Imprint of under side of glabella and part of movable cheeks.
Helderberg Mts., N. Y.	A small glabella and the occipital spines of a large individual.
" "	A glab., six sep. mov. ch'ks, a pygid., and a thor. segm.; all imb.
Wolcott, N. Y.	Part of a small pygidium, imbedded. From the ore bed.
.....	See <i>Lichas phlyctanodes</i> .
.....	See <i>Proetus corycaus</i> .
.....	" <i>Dalmanites timulurus</i> .
Racine, Wis.	Imprint of the under side of a glabella and of a pygidium.
Niagara Falls, Ont.	" " " " " " pygidium.
.....	See <i>Illanus barriensis</i> .
.....	See <i>Calymene niagarensis</i> .
.....	" " <i>senaria</i> .
Martville, N. Y.	Internal cast lacking the free cheeks.
New Hartford, N. Y.	" " of left movable cheek.
Lockport, N. Y.	As <i>Calymene Blumenbachii</i> , var. <i>niagarensis</i> . Large indiv., imb.
" "	" " " " " " Group of three indiv.
Waldron, Ind.	An adult showing hypostoma in place.
" "	An entire head, and one without the free cheeks.
Galt, Ont.	As <i>Calymene</i> sp.? Imp. of under side glabella and left free cheek.
Reynale's Basin, N. Y.	As <i>Calymene Blumenbachii</i> , var. ? <i>senaria</i> . Two weath'd specimens.
Rochester, N. Y.	" " " " " " Small pygidium, imb.
.....	See <i>Calymene niagarensis</i> .
.....	See <i>Ceraurus niagarensis</i> .
Milwaukee, Wis.	As " <i>insignis</i> Beyrich. Int. cast glab. and left fixed cheek.
.....	" <i>Sphaerexochus Romingeri</i> Hall (?).
Waldron, Ind.	As <i>Ceraurus (Cheirurus) niagarensis</i> H. Large pygidium imbedded.

Order TRILOBITA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Cl. Niag.	1597 1827	Fig'd.	Ceraurus Green— <i>Cont.</i>					
			niagarensis.....Hall.	Pal. N. Y.	2	300	A 66	4
			"	" "	2	306	67	9, 10
			<i>Cheirurus</i> Beyrich.	.....	.....	.....	.....	.....
Niag.	1962	Type.	niagarensis.....	.....	.....	.....	.....	.....
			Cybele , Lovén.					
			punctata.....	.....	.....	.....	.....	.....
			Cyphaspis Burmeister.					
			Christyi.....Hall.	T. A. I.	4	220		
			"	N. Y. S. M.	28	188	32	5, enl. X 2
			""	" "	28	188	32	6, 7
			Stokesi (Murch.)..Hall.	Pal. N. Y.	2	316	67	13, 14
			<i>Dalmania</i> Emmrich.	.....	.....	.....	.....	.....
			bicornis.....	.....	.....	.....	.....	.....
Niag.	1965 1828	Type.	Logani.....	.....	.....	.....	.....	.....
			micrura.....	.....	.....	.....	.....	.....
			pleuroptyx.....	.....	.....	.....	.....	.....
			tridens.....	.....	.....	.....	.....	.....
			verrucosa.....	.....	.....	.....	.....	.....
			vigilans.....	.....	.....	.....	.....	.....
			Dalmanites Barrande.					
			bicornis.....Hall.	N. Y. S. M.	28	196	33	18
			limulurus (Green)..Hall.	Geol. N. Y.	4th D.	101	ct. 33	2
			""	Pal. N. Y.	2	303	67	3
Cl.	1660	Type.	""	" "	2	303	67	2, 2+
			""	" "	2	303	67	4
			""	" "	2	303	67	5
			""	" "	2	303	67	6, 7
			Logani.....Hall.	Can. N. & G.	5	156	.....	18, glab.
			""	" "	5	156	.....	18, pyg.
L. H.	2609 2605 2605 2605 2608 1963	Fig'd.	micrura (Green)...Hall.	Pal. N. Y.	3	359	74	13-15, 18, 20
			pleuroptyx (Green).Hall.	" "	3	356	74	4
			""	" "	3	356	74	6
			""	" "	3	356	74	9-11
			tridens.....Hall.	" "	3	361	75	4
			verrucosus.....Hall.	T. A. I.	4	218	.....	.....
			""	N. Y. S. M.	28	195	33	5, 6, 8-11
			""	" "	28	195	33	7
			""	" "	28	195	33	12
			""	" "	28	195	33	13-17
Niag.	1963	Type.	""	" "	28	195	34	13
			vigilans.....Hall.	Geol. Wis.	1861	51	.....	1
			""	N. Y. S. M.	20	335	.....	16
			""	" "	20	335	.....	2
			""	" "	20	335	.....	18
			""	" "	28	193	33	1
			""	" "	28	193	33	2
			""	" "	28	193	33	3, 4
			""	" "	28	193	33	.....
			""	" "	28	193	33	.....

LOCALITY.	REMARKS.
Lockport, N. Y. Rochester, N. Y.	As <i>Ceraurus insignis</i> Beyrich. Int. cast glabella with some test. Two imperfect cephalia, imbedded. See <i>Ceraurus</i> . " " <i>niagarensis</i> .
.....	See <i>Encrinurus ornatus</i> .
Waldron, Ind. " " Lockport, N. Y.	Somewhat imperfect head, imbedded. Very perfect individual, imbedded. As <i>Proetus</i> (?) <i>Stokesi</i> Murch. Two imperfect individuals, one in shale, the other in limestone.
.....	See <i>Dalmanites</i> . " " <i>bicornis</i> . " " <i>Logani</i> . " " <i>micrura</i> . " " <i>pleuroptyx</i> . " " <i>tridens</i> . " " <i>verrucosus</i> . " " <i>vigilans</i> .
Waldron, Ind.	As <i>Dalmania bicornis</i> H. in the 1st ed. Border of a large head.
Lockport, N. Y.	" <i>Asaphus limulurus</i> Green.
" "	" <i>Phacops</i> " Impr. und. side of head preserv'g some crust.
" "	" " " Two small individuals, imbedded separately.
" "	" " " Imprint of under side of pygidium.
" "	" " " Group of several pygidia.
" "	" " " The internal imprint and its counterpart.
Arisaig, N. S.	" <i>Dalmania Logani</i> H. Internal cast in block with <i>Homalonotus Dawsoni</i> , fig. 17, same page.
" "	As <i>Dalmania Logani</i> H. Exterior imprint. Two unfigured, imperfect cephalia are in the type series.
Schoharie, N. Y.	As <i>Dalmania micrura</i> Green. Three pygidia and one hypostoma.
" "	" " <i>pleuroptyx</i> Green. Head, imbedded, not entire.
Near Hudson, N. Y.	" " " Pygidium, imbedded, nearly entire. This and the preceding are said by Hall & Clarke not to belong to this species. Vid. Pal. N. Y., vol. 7, p. 29.
Schoharie, N. Y.	As <i>Dalmania pleuroptyx</i> Green. Eye showing surface. The three figures were made from one specimen.
" "	As <i>Dalmania tridens</i> H. Frontal process and one marginal limb, imb.
.....	" " <i>verrucosa</i> Hall.
Waldron, Ind.	Five more or less perfect heads, imbedded.
" "	Large individual, nearly entire, imbedded.
" "	Single thoracic segment, imbedded.
" "	Four pygidia, imbedded.
" "	Rim of a large head, imbedded.
.....	As <i>Dalmania vigilans</i> Hall.
Waukesha, Wis.	" " " Imprint of under side of head.
Waukesha, Wis.	" " " " " " " pygidium.
Waldron, Ind.	A rather small, imperfect head, imbedded.
" "	Marginal portion of a large head, imbedded.
" "	Two pygidia, imbedded separately.

Order TRILOBITA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Encrinurus Emmrich.								
Niag. Cl.	2143	Type.	nereus. Hall.	N. Y. S. M.	20	375	21	15
	1800	"	ornatus. H. & W.	Pal. O.	2	154		
		"	" " " "	Pal. N. Y.	2	297	A 66	1a
	1600	"	" " " "	" "	2	297	A 66	1b, e, f
"	"	"	" " " "	" "	2	297	A 66	1c, d
"	"	"	" " " "	" "	2	297	A 66	1g, h, k
"	"	"	" " " "	" "	2	297	A 66	1i
Homalonotus König.								
Niag. Cl.	1659	Type.	Dawsoni Hall.	Can. N. & G.	5	155	p. 156	17
	1588	Fig'd.	delphinocephalus (Grn.) H.	Pal. N. Y.	2	299	A 66	7
	1588	"	" " " "	" "	2	309	68	1, 2, 4, 5
	"	"	"	" " " "	" "	2	309	68	8
"	"	"	" " " "	" "	2	309	68	10, 12
L. H.	2613	Type.	Vanuxemi Hall.	N. Y. S. M.	28	187	32	17, 18
	2613	"	" " " "	Pal. N. Y.	3	352	73	9
"	"	"	" " " "	" "	3	352	73	10, 11
Illænus Dalman.								
Niag.	1961	"	armatus Hall.	N. Y. S. M.	20	330	....	3, 4
	"	"	" " " "	" "	20	330	22	1, 2
	1961	Fig'd.	" ? " "	" "	28	189	32	3
	"	"	barriensis " "	" "	20	377	22	19, 20
"	2139	Type.	cuniculus Hall.	" "	20	377	22	12
	2139	"	imperator. Hall.	Geol. Wis.	1861	49		
	"	"	" " " "	N. Y. S. M.	20	332	22	15
	"	"	" " " "	" "	20	332	22	23
"	"	"	" " " "	" "	20	332	22	16
"	"	"	" " " "	" "	20	332	22	17
"	"	"	" " " "	" "	20	332	22	3
"	2139	"	insignis Hall.	" "	20	331	....	5, 6
"	"	"	" " " "	" "	20	331	22	13
"	2139	"	" " " "	" "	20	331	22	14
"	1821	"	ioxus Hall.	" "	20	378	22	4, 5
"	"	"	" " " "	" "	20	332	....	
"	1821	"	" " " "	" "	20	378	22	6-8, 10
"	1821	"	" " " "	" "	20	378	22	9
"	"	"	" " " "	" "	20	378	23	1
"	1821	"	" " " "	Geol. N. Y.	4th D.	102	ct. 33	4
"	"	"	" " " "	" "	4th D.	....	Tab.	2
"	"	"	" " " "	" "	20	378	22	19
"	"	"	" " " "	Pal. N. Y.	2	302	66	1-6
"	"	"	" " " "	" "	2	302	66	9
"	"	"	" " " "	" "	2	302	66	10, 11
Niag. Cl.	1588	Fig'd.	" " " "	" "	2	299	A 66	9a, b
	1588	"	" " " "	" "	2	299	A 66	9c, d
	1588	"	" " " "	" "	2	299	A 66	9e-f
	1821	"	" ? " "	N. Y. S. M.	20	378	22	11
Lichas Dalman.								
L. H.	2610	Type.	Biggsbyi Hall.	Pal. N. Y.	3	364	77	4-8
	2610	Fig'd.	" ? (Hall) H. & C.	" "	7	80	19A	1
Niag.	1821	"	Boltoni (Biggsby) ... Hall.	Geol. N. Y.	4th D.	....	Tab.	1
	"	"	" " " "	Pal. N. Y.	2	311	69	1
	"	"	" " " "	" "	2	311	70	1c, d
	"	"	" " " "	" "	2	311	70	1e, f

LOCALITY.	REMARKS.
Racine, Wis.	Imprint of upper side of pygidium.
Reynale's Basin, N.Y.	As <i>Cybele punctata</i> Brunn. Nearly entire individual, imbedded.
Medina, N. Y.	" " " " Silicified glab. and left fixed cheek.
" "	" " " " " " and a movable cheek.
" "	imbedded together.
Oneida Co., N. Y.	As <i>Cybele punctata</i> Brunn. Two silicified pygidia, imbedded.
" "	" " " " Silicified pygidium, imbedded.
Arisaig, N. S.	Internal cast pygidium, imbedded with <i>Delmanites Logani</i> , fig. 18,
New Hartford, N. Y.	same page. Other fragmentary casts are in the type series.
Lockport, N. Y.	Internal cast, imbedded.
" "	Four individuals retaining more or less test.
" "	Pygidium, imbedded.
" "	Large, exfol. indiv. with glabella broken away, showing hypostoma.
Waldron, Ind.	An imperfect head shield and a pygidium, imbedded.
Schoharie, N. Y.	Part of a crushed thorax ; more than is represented in figure.
Helderberg Mts., N.Y.	Small pygidium, imbedded.
Bridgeport, Ill.	Imprint of under side of cephalon.
" "	Imprint of pygidium and last thoracic segment.
Waldron, Ind.	A glabella and a pygidium, imbedded.
" "	See <i>Illenus ioxus</i> .
Wauwatosa, Wis.	Imprint of the under side of a glabella.
" "	Figure is one-half natural size.
Near Burlington, Wis.	Imprint of the under side of a very large glabella.
" "	" " " " small pygidium.
" "	Figure is one-half natural size.
Near Burlington, Wis.	Pygidium and parts of four thoracic segments.
Bridgeport, Ill.	Imprint of the under side of glabella and fixed cheeks.
Milwaukee, Wis.	" " " " pygidium.
Racine, Wis.	As <i>Illenus barriensis</i> Murch. Cast of small head.
Waukesha, Wis.	Cast of a head and of a pygidium.
Wauwatosa, Wis.	Imprint of the under side of a large free cheek.
" "	Cast of a very large glabella.
Lockport, N. Y.	As <i>Bumastus barriensis</i> Murch. Exfoliated individual, imbedded.
" "	" " " " Entire, imbedded.
" "	" " " " Six individuals, imbedded separately.
" "	" " " " Imp. of under side of head retaining some crust.
" "	" " " " Part of cheek and eye, imbedded.
Rochester, N. Y.	" " " " Most of a large glabella, imbedded.
Medina, N. Y.	" " " " Interior imprint large pygidium.
Rochester, N. Y.	" " " " Mass of head and tail shields.
Racine, Wis.	" <i>Illenus barriensis</i> Murch. Cast of very small glabella.
Helderberg Mts., N.Y.	Two glabellas, a hypostoma, and half a pygidium, imbedded.
Schoharie, N. Y.	A very large pygidium, imb. so as to show int. This and the preceding are referred to the subgenus <i>Conolichas</i> in Pal. N.Y., vol. 7.
" "	As <i>Platynotus Boltoni</i> Bigsby.
Lockport, N. Y.	Imprint under side large individual retaining some test.
" "	" " anterior $\frac{3}{4}$ of indiv., showing impr. und. side of hypostoma.
" "	Part of a glabella, and the imprint of the under side of another.

Wl.		2250 Gen. and " " Sp. Type.		Dolichopterus Hall. macrocheirusHall.		Pal. N. Y.		3		414* SoA		15	
"		"		" " " "		" "		3		414* SoA		17	
										83		1	
										83-A		1	

LOCALITY.	REMARKS.
Lockport, N. Y.	Imp. under side of the pygidium referred to this fig. by Prof. Hall. See also <i>Lichas nereus</i> .
Waldron, Ind.	Two pygidia showing inner surface, and an imperfect one showing upper surface, imbedded. An imbedded hypostoma.
" "	Glabella and a right free cheek, imbedded.
" "	Pygidium and part of thorax, imbedded.
" "	Two pygidia, one showing the under and the other the upper side.
" "	Central part of a large cephalon. See <i>Lichas emarginatus</i> .
Bridgeport, Ill.	As <i>Lichas breviceps</i> ? Imprints of cephalon and pygidium in same block. Probably = <i>L. nereus</i> .
Grafton, Ill.	As <i>Lichas breviceps</i> ? Exterior impr. pygidium. Prob. = <i>L. nereus</i> .
Lockport, N. Y.	As <i>Lichas Boltoni</i> Bigsby. Imprint of the under side of a pygidium.
" "	" " " " Cast of indiv. with some test, imb. A smaller individual without head is in the type series, but not figured.
Lyons, Ia.	Imprint of the under side of a cephalon.
Albion, N. Y.	As <i>Arges phlyctanodes</i> Grn. Glabella and fixed cheeks, imbedded.
Waldron, Ind.	Anterior extension of a head, imbedded.
Near Hudson, N. Y.	A very perfect head, imbedded. See <i>Dalmanites limulurus</i> .
Helderberg Mts., N. Y.	Two heads, an exfoliated rolled individual, and a hypostoma.
Rochester, N. Y.	Interior cast of a small individual. Synonym of <i>Lichas</i> . See <i>Lichas Boltoni</i> .
	As <i>Asaphus corycaeus</i> Conrad.
	" " " "
Lockport, N. Y.	An imbedded individual with the counterpart imprint.
Schoharie, N. Y.	Head with part of thorax, and a small pygidium, imb., exfoliated. See <i>Cyphaspis Stokesi</i> .
	" <i>Spharexochus Romingeri</i> . Name proposed, if <i>Spharexochus mirus</i> should be found inapplicable.
Wauwatosa, Wis.	As <i>Spharexochus mirus</i> Beyrich. Imp. of the under side of a glab.
Racine, Wis.	Impr. under side of a small head. See also <i>Ceraurus niagarensis</i> .
Buffalo, N. Y.	Defined as a subgenus of <i>Eurypterus</i> . Anterior half of a metastoma.
" "	A very large individual split so as to show both sides.

Order EURYPTERIDA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Wl.	2245	Fig'd.	Eurypterus DeKay. locustris (<i>Harlan</i>)... <i>H.</i>	Pal. N. Y.	3	407*	8I	I
"	"	"	" " " " " "	" "	3	407*	8I	2
"	"	"	" " " " " "	" "	3	407*	8I	3
"	"	"	" " " " " "	" "	3	407*	8I	4, 9
"	"	"	" " " " " "	" "	3	407*	8I	5
"	"	"	" " " " " "	" "	3	407*	8I	6
"	"	"	" " " " " "	" "	3	407*	8I	7
"	"	"	" " " " " "	" "	3	407*	8I	8, II
"	"	"	" " " " " "	" "	3	407*	8I	IO
"	"	"	" " " " " "	" "	3	407*	8IA	I
"	"	"	" " " " " "	" "	3	407*	8IB	2, 3
"	"	"	" " " " " "	" "	3	407*	83b	3
"	2246	Type.	" var. robustus. <i>Hall.</i>	" "	3	410*	80A	14
"	"	"	" " " " " "	" "	"	"	8IC	I
"	2247	"	microphthalmus... <i>Hall.</i>	" "	3	407*	80A	7
"	2248	"	pachycheirus..... <i>Hall.</i>	" "	3	412*	82	2-2e
"	2249	"	pustulosus..... <i>Hall.</i>	" "	3	413*	83b	I
"	2244	Fig'd.	remipes (<i>DeKay</i>)... <i>H.</i>	" "	3	404*	80	I, 4
"	2244	"	" " " " " "	" "	3	404*	80	2
"	2244	"	" " " " " "	" "	3	404*	80	8, IO-12
"	"	"	" " " " " "	" "	3	404*	80A	5, 6
"	"	"	" " " " " "	" "	3	404*	80A	II
Pterygotus Agassiz.								
"	2251	Type.	Cobbi..... <i>Hall.</i>	" "	3	417*	83B	4
"	"	Fig'd.	" ?....." "	" "	3	417*	84	8
"	2258	Type.	Osborni..... <i>Hall.</i>	" "	3	419*	80A	9, 16

Class ARACHNIDA.

Wl.	2257	Gen. and Sp. Type.	Proscorpius Whitfield. Osborni..... <i>Whitfield.</i>	A. M. N. H.	I	184	19 20	I, 2 I-4
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Subkingdom VERTEBRATA.

			<i>Ichthyodorulite</i>					
			Onchus Agassiz. <i>Deweyi</i>					

LOCALITY.	REMARKS.
Buffalo, N. Y. " " " " " " " " " " " " " " " " " "	Young individual showing upper surface. Individual as described in explanation of plate. Carapace and first abdominal segment. A thoracic segment and last two segments with spine, imb. together. Large caudal spine. Thorax imbedded so as to show ventral side. Anterior ventral segment and left swimming foot, imbedded. Very large anterior segment with appendage, imbedded. Half of a body segm. in bl'k w. <i>Ceratiocaris Maccoyana</i> , fig. 2, pl. 84. Exterior imprint large individual with dismembered swimming foot. Two segments of swimming foot, imbedded separately. Very large carapace and first segment, imbedded.
Near Buffalo, N. Y. Litchfield, N. Y. Near Buffalo, N. Y. Buffalo, N. Y. Waterville, N. Y. Litchfield, N. Y. Waterville, N. Y. " " " "	Very large, imbedded. As a distinct species in expl. of plates. Carapace and part of first segment, imbedded. Boulder. Detached swimming feet and first ventral segment, imb. together. Most of a large carapace with part of first segment, imbedded. A very small individual and an adult, imbedded. A very perfect young individual showing ventral side. Four specimens fully described in the explanation of the plate. A body segment and an undetermined part, imbedded together. Small carapace with first segment, dorsal side.
Buffalo, N. Y. " " Waterville, N. Y.	Large free ramus of a chelate appendage. Part of a large abdominal segment. Anterior half showing ventral side.
Waterville, N. Y.	Individual, imbedded.
Class PISCES.	
.....	See <i>Dithyrocaris</i> sp.
.....	See <i>Ceratiocaris Deweyi</i> .

ADDENDA.

Pages 40 and 41.

Strophomena planumbona Hall, as *Leptana filitexta* Hall, Pal. N. Y., Vol. 1, p. 111, pl. 31 B, figs. 3 d-f. Oxford? Ohio. Hudson River Group. Cat. No. 248. Type. The figure seems to have been made from this specimen, which is entire.

Pages 36 and 37.

Plectorthis Jamesi Hall, as *Orthis Jamesi* Hall, N. Y. S. M., Rept. 14, p. 89, and (Whitfield) Pal. O., Vol. 2, p. 77, pl. 1, figs. 21, 22. Cincinnati, Ohio. Hudson River Group. Cat. No. 4489. Type. A very perfect, entire individual. Ten others are in the original type series.

Page 78.

Dictyonema gracile Hall, add to the first entry under the species, Can. O. R., Dec. 2, p. 29, pl. B, fig. 5, and N. Y. S. M., Rept. 20, p. 178, pl. 1, fig. 5.

Pages 80 and 81.

Groptolithus clintonensis Hall, Can. O. R., Dec. 2, p. 25, pl. B, figs. 1-4, and N. Y. S. M., Rept. 20, p. 193, pl. 1, figs. 1-4. Rochester, N. Y. Clinton Group. Cat. No. 1485. Type. Two fragments, imbedded together.

Pages 112 and 113.

Amphistrophia corrugata Conrad, as *Leptana corrugata* (Con.) Hall. Pal. N. Y., Vol. 2, p. 59, pl. 21, fig. 2 a. Sodus, N. Y. Clinton Group. Cat. No. 1518. Fig'd sp. A very small, imperfect individual, imbedded with a specimen used in making figure 2 d on the same plate.

Page 157.

Cuneamya alveata, sp. nov.

Shell nearly three fourths of an inch long, with rather tumid beaks one fifth of the shell's length from the anterior end, which is rounded and has had a deep lunule; hinge, behind the beaks, straight, parallel to the base. A scarcely visible constriction crosses the valves from the beaks almost direct. Surface marked by strong concentric undulations, which are nearly obsolete on the posterior cardinal area. Undulations marked by radiating lines reminding one of those of the genus *Cypricardinia* Hall. Niagara group. Wolcott, N. Y. Proposed for *Orthonata curta*? Hall, Pal. N. Y., Vol. 2, p. 285, pl. 59, fig. 8, which is nat. size, but does not show the plain cardinal area or cuneate posterior extremity, or the true direction of the surface undulations.

Pages 174 and 175.

Cornulites proprius Hall. The figures on pl. 31 of the 28th Rept. N. Y. S. M. were repeated on pl. 116 of the supplement to Pal. N. Y., Vol. 5, pt. 2, which was issued with Vol. 7.

CORRIGENDUM.

P. 119, line 15. Instead of "*Atrypa aquiradiata*" read "*Atrypa bidens*."