

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

Part III, Beginning with the Oriskany Sandstone.

Devonian.

Kingdom PLANTÆ.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Chem.	4428 1	Type.	Archæopteris Dawson. laxa <i>Hall.</i>	Geol. N. Y.	4th D.	275	ct. 127	1
			Cyclopteris Brongniart. <i>Hallana</i>					
Ham.	4429 1	Type.	Dadoxylon Endlich. Halli <i>Dawson.</i>	Q. J. G. S.	18	306	13	11
"	4457 1	"	Didymophyllum Gœppert. reniforme <i>Dawson.</i>	" "	18	309	13	15a, b
			Filicites Schlotheim. sp	Foss. Pl.	.....	23	3	35, 35a
Chem.	4430 1	Type.	Lepidodendron Sternberg. chemungense <i>Hall.</i>	Geol. N. Y.	4th D.	274	ct. 127	2
			Lepidodendron Sternberg. Halli <i>Hall.</i>	N. Y. S. M.	16	113	.....	6
Ham.	4402 2	"	gaspianum <i>Dawson.</i>	Q. J. G. S.	18	312	14	27
"	"	"	"	Foss. Pl.	.....	33	8	82
Ham.	4404 1	Gen. and Sp. Type.	Leptophlœum Dawson. rhombicum <i>Dawson.</i>	Q. J. G. S.	18	316	12	8
			"	" "	18	316	17	53
			Lycopodites Brongniart. <i>Vanuxemi</i>					
			Sigillaria Brongniart. <i>chemungensis</i>					
Chem.	4431 1	Gen. and Sp. Type.	Plumalina Hall. plumaria <i>Hall.</i>	Can. N. & G.	3	175		
			"	Geol. N. Y.	4th D.	273	ct. 125	.....
			<i>Dawson.</i>	Q. J. G. S.	18	314		
			<i>Hall.</i>	N. Y. S. M.	16	115	.....	7
Ham.	4430 1	Type.	Rachiopteris Dawson. punctata <i>Dawson.</i>	Q. J. G. S.	18	323	16	61
Ham.	4428 1	"	Sphenopteris Brongniart. Hitchcockana <i>Dawson.</i>	Q. J. G. S.	18	321	16	51
			<i>laxa</i>					
Chem.	4432 1	Type.	Spirophyton Hall. crassum <i>Hall.</i>	N. Y. S. M.	16	83	2	4
			Stigmaria Brongniart. exigua <i>Dawson.</i>	Q. J. G. S.	18	308	13	13

Kingdom ANIMALIA.

Subkingdom

Chem.	4434 1	Gen. and Sp. Type.	Ceratodictya H. & C. annulata <i>Hall.</i>	N. Y. S. M.	16	90	3	3
			<i>H. & C.</i>	Pal. Sp.	.....	120	22	5, 6
Chem.	4435 1	Type.	Clathrosporgia Hall. fenestrata (<i>Hall</i>) <i>H. & C.</i>	Pal. Sp.	.....	122	25	13
			Coscinopora Goldfuss. <i>macropora</i>					

NOTE.—General remarks and the explanation of abbreviations used in this part of the Catalogue, but not in the preceding parts, will be found on the pages immediately following the tabulated matter.

Subkingdom CRYPTOGRAMIA.

LOCALITY.	REMARKS.
Pine Valley, N. Y.	As <i>Sphenopteris laxa</i> . Was made the type of <i>Cyclopteris Hallana</i> by Göppert, Die fossil Flora des Uebergangsgebirges, 1852, p. 145.
.....	See <i>Archæopteris laxa</i> .
Ontario Co., N. Y.	A rather small, silicified fragment from Hemlock Creek.
Near Skaneateles L., N. Y.	Fragment of a stem, imbedded.
.....	See <i>Plumalina plumaria</i> .
Near Elmira, N. Y.	As <i>Sigillaria chemungensis</i> .
Summit, N. Y.	A cast in sandy shale. Figures are one-half natural size.
" "	Imbedded fragment.
" "	Cast in sandstone, imbedded.
Perry, Me.	Imprint.
" "	Counterpart of type, which was destroyed at Portland (Me.) fire.
.....	See <i>Plumalina fumaria</i> .
.....	See <i>Lepidodendron chemungense</i> .
.....	As <i>Filicites?</i> sp.
.....	" type of <i>Lycopodites Vanuxemi</i> .
Ithaca, N. Y.	" <i>Lycopodites Vanuxemi</i> . Imprint in sandstone.
Franklin, N. Y.	Imbedded fragment. Delaware (?) County.
Perry, Me.	Imbedded.
.....	See <i>Archæopteris laxa</i> .
Cuyahoga Falls, O.	Imprint in sandstone.
Near Elmira, N. Y.	Interior cast and exterior imprint of fragment seven inches long.
PORIFERA. Class PLETHOSPONGIÆ.	
.....	As <i>Dictyophyton annulatum</i> .
Western New York.	Exterior imprint and the cast thereof.
Chemung Riv., N. Y.	Internal cast; from the "Narrows."
.....	See <i>Polypora distans</i> .

Class PLETHOSPONGIÆ—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Dictyophyton Hall.					
			<i>annulatum</i>					
			<i>filitextile</i>					
			<i>nodosum</i>					
			<i>parallelum</i>					
			<i>tuberosum</i>					
			Hydnoceras Conrad.					
Chem.	4436 1	Type.	<i>nodosum</i>.....Hall.	N. Y. S. M.	16	91	3	2
			"....."	" "	35	472	18	6
			<i>H. & C.</i> Pal. Sp.			109	2	2
"	4437 1	.....	<i>tuberosum</i> (Con.)...Hall.	N. Y. S. M.	16	90		
			Prismodictya H. & C.					
"	4438 1	Type.	<i>filitextilis</i>.....Hall.	" "	16	88	4	5
			<i>H. & C.</i> Pal. Sp.			86	21	7
"	4439 1	"	<i>parallela</i>.....Hall.	N. Y. S. M.	35	471		
			<i>H. & C.</i> Pal. Sp.			82	19	4

Subkingdom CŒLEENTERATA.

Ham.	4440 1	Fig'd.	Acervularia Schweigger.					
"	4440 2	"	Davidson (<i>E. & H.</i>)? <i>H.</i>	Geol. Ia.	I, pt. 2	476	I	8a, b
			" " <i>H.</i>	" "	I, pt. 2	477	I	7a-c
			<i>profunda</i>					
			Amplexus Sowerby.					
"	4441 1	Type.	<i>hamiltoniæ</i>.....Hall.	I. D. F.			19	20-23
"	4442 1	"	<i>intermittens</i>.....Hall.	"			32	8, 9
"	4442 2	"	"....."	Geol. N. Y.	4th D.		T 49	2, 2a
			"....."	I. D. F.			32	10-15
			Aulopora Goldfuss.					
"	4443 1	Fig'd.	<i>tubiformis</i> (<i>Goldf.</i>)...Hall.	Geol. N. Y.	4th D.	209	ct. 87	I
			Cyathophyllum Goldfuss.					
"	4444 1	Type.	<i>conatum</i>.....Hall.	I. D. F.			31	1, 2, 6-9, 13
"	4444 2	"	"....."	"			31	10
"	4445 1	"	<i>gradatum</i>.....Hall.	"			31	15, 16
"	4446 1	Fig'd.	<i>Houghtoni</i> (<i>Roming.</i>) <i>H.</i>	"			30	I, 2
"	4447 1	Type.	<i>nepos</i>.....Hall.	"			22	10, 11
"	4448 1	"	<i>robustum</i>.....Hall.	"			22	I, 2, 14
"	"	"	"....."	"			22	3-6
"	"	"	"....."	"			22	7, 8
"	4448 2	"	"....."	"			22	9
			Cystiphyllum Lonsdale.					
"	4449 1	Fig'd.	<i>americanum</i> (<i>E. & H.</i>) <i>H.</i>	"			28	3, 7
"	4449 2	"	"....."	"			28	4
"	"	"	"....."	"			30	10
"	4450 1	Type.	<i>conifollis</i>.....Hall.	"			30	4-7
"	4450 2	"	"....."	"			30	8, 9
"	4451 1	"	<i>corrugatum</i>.....Hall.	"			29	14-16
"	4452 1	"	<i>varians</i>.....Hall.	"			28	8
"	4452 2	"	"....."	"			29	13

LOCALITY.	REMARKS.
.....	See <i>Ceratodictya annulata</i> .
.....	" <i>Prismodictya filitextilis</i> .
.....	" <i>Hydnoceras nodosum</i> .
.....	" <i>Prismodictya parallela</i> .
.....	" <i>Hydnoceras tuberosum</i> .
.....	As <i>Dictyophyton nodosum</i> .
.....	" " Figure is enlarged to $1\frac{1}{3}$ diameters.
Cattaraugus Co., N. Y.	Imprint of exterior.
Addison, N. Y.	As <i>Dictyophyton tuberosum</i> . This is the second specimen mentioned in the reference.
.....	As <i>Dictyophyton filitextile</i> .
Steuben Co., N. Y.	Imprint of exterior.
.....	As <i>Dictyophyton parallelum</i> .
Western N. Y.	Imprint of exterior.

Class ACTINOZOA.

Hamburg, Ill.	A weathered fragment.
Buffalo, Iowa.	As the type of <i>Acervularia profunda</i> . Part of the colony was figured.
.....	See <i>Acervularia Davidsoni</i> .
Near Moscow, N. Y.	One entire individual and two smaller ones cut in longit. section.
York, N. Y.	As <i>Strombodes</i> —? Two small individuals.
Moscow, N. Y.	Three ordinary indiv. and an elongate fragm. showing longit. sect.
York, N. Y.	A considerable colony on a <i>Heliophyllum</i> .
Western N. Y.	Two entire individuals and one entire and one fragm. longit. sect.
Genesee Val., N. Y.	Only a part of the specimen figured is now in the Museum.
" " "	A somewhat weathered individual with base wanting.
Livingston Co., N. Y.	Part of large individual, broken to show longitudinal section.
Genesee Val., N. Y.	A very perfect individual.
Near York, N. Y.	Young individual.
" " "	Large individual showing cut and polished transverse section.
" " "	Individual of medium size.
Genesee Val., N. Y.	Part of the half-cup used for the figure.
Moscow, N. Y.	Two fragments showing the sections. Not from Skaneateles Lake.
Eighteen Mi. Crk., N. Y.	A double corallum.
" " "	Large individual, imperfect as to cup.
Moscow, N. Y.	Four individuals, one of which has been cut lengthwise.
Bosanquet, Ont.	A long, slender specimen.
Skaneateles L., N. Y.	Two individuals, one of which has been broken lengthwise.
York, N. Y.	Fragment showing cross section.
Moscow, N. Y.	Longitudinal section, nearly entire.

Class ACTINOZOA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Cystiphyllum Lonsd.—Cont. (Chonophyllum .)					
U. H.	4140 1	Fig'd.	sulcatum (<i>Bill.</i>)..... <i>H.</i>	I. D. F.	.....		32	18
			Favosites Lamarck.					
Ham.	4453 1	Type.	hamiltoniæ..... <i>Hall.</i>	"	.....		34	3, 6
U. H.	2775 1	Fig'd.	hemisphericus (<i>Troost</i>) <i>H.</i>	"	.....		2	2, 3
"	2775 8	"	" var. <i>H.</i>	"	.....		2B	8
"	2775 8	Type.	hemisphericus (<i>Troost</i>), var. distortus..... <i>Hall.</i>	"	.....		5	3
"	2825 8	Fig'd.	hemisphericus (<i>Troost</i>), var. turbinatus (<i>Bill.</i>) <i>H.</i>	"	.....		2B	7
			Heliophyllum Hall.					
Ham.	4454 1	Type.	arachne..... <i>Hall.</i>	"	.....		24	8-12, 14
"	4455 1	"	confluens..... <i>Hall.</i>	"	.....		26	3, 4
"	4456 1	"	degener..... <i>Hall.</i>	"	.....		25	8-11
"	4457 1	Fig'd.	Halli (<i>E. & H.</i>)..... <i>Hall.</i>	"	.....		23	4, 5, 12
"	"	"	" " "	"	.....		25	4
"	"	"	" " "	"	.....		25	2, 3, 5-7
"	4458 1	Type.	" ? var. obconicum. <i>H.</i>	"	.....		25	12, 13
"	4459 1	"	" var. reflexum. <i>H.</i>	"	.....		23	7
"	4460 1	"	irregularæ..... <i>Hall.</i>	"	.....		24	7, 13
"	4461 1	"	proliferum..... <i>Hall.</i>	"	.....		26	1, 2
"	4461 2	"	" " "	"	.....		26	5
			Michelinia de Koninck. (Pleurodictyum .)					
U. H.	2828 1	Fig'd.	convexa (<i>d'Orb.</i>)..... <i>Hall.</i>	"	.....		15	5
Ham.	4462 1	"	styloporea (<i>Eaton</i>)..... <i>Hall.</i>	"	.....		18	1-3, 7
"	4463 1	Type.	dividua..... <i>Hall.</i>	"	.....		18	13-17
U. H.	2827 3	Fig'd.	maxima (<i>Troost</i>)..... <i>H.</i>	"	.....		16	6, 7
			Streptelasma Hall.					
Ham.	4464 1	Type.	rectum..... <i>Hall.</i>	"	.....		19	1, 2, 11-13
"	4464 2	"	" " "	"	.....		19	3, 5, 7, 8
"	4465 1	"	ungula..... <i>Hall.</i>	"	.....		19	16, 24
			Strombodes Schweigger.					
			sp.....	Geol. N. Y.	4th D.		T.49	2, 2a
			Trachypora Edw. & Haime.					
Ham.	4466 1	Fig'd.	elegantula (<i>Bill.</i>)..... <i>Hall.</i>	I. D. F.	.....		33	1, 2, 4-7
			Zaphrentis Rafinesque.					
U. H.	2850 1	Type.	ampla..... <i>Hall.</i>	"	.....		21	4
Ham.	4467 1	Fig'd.	Halli (<i>E. & H.</i>)..... <i>Hall.</i>	"	.....		20	1, 5, 8
"	4468 1	Type.	simplex..... <i>Hall.</i>	"	.....		21	6, 7, 9, 10

Class HYDROZOA.

Ham.	4469 1	Type.	Desmograptus. devonicus..... <i>Gurley.</i> <i>Hall.</i>	J. G. Can. O. R.	4 Dec. 2	84 58	.....
"	4470 1	"	Dictyonema Hall. actinotum..... <i>Gurley.</i> <i>cadens</i>	J. G.	4	82	.....
Ham.	4470 2 & 3	Type.	<i>hamiltonia</i> <i>Hall.</i>	Can. O. R.	Dec. 2	58	.....

LOCALITY.	REMARKS.
Caledonia, N. Y.	Imperfect, weathered cup. May have come from Mendon, N. Y.
Shore of L. Erie, N. Y. Near Louisville, Ky. Erie Co., N. Y.	Part of a large mass. Turbinate colony of typical form. Fig. 1 was not made from this. A hemispheroidal fragment.
Schoharie Co., N. Y.	Fragmentary. May have come from Albany county.
Schoharie?, N. Y.	A conical colony cut longitudinally.
Genesee Val., N. Y.	Two entire individuals.
" " "	A small group.
Skaneateles L., N. Y.	A large and a small individual.
Genesee Val., N. Y.	Two individuals, one cut transversely and the other longitudinally.
" " "	Two individuals, cut transversely.
York, N. Y.	Somewhat weathered. Not from Skaneateles lake.
Genesee Val., N. Y.	Entire.
Darien, N. Y.	Entire individual showing bud and a fragm. giving cross section.
" " "	A group of six calyces on one stem.
Livingston Co., N. Y.	Calyx with buds in several stages of growth.
Caledonia, N. Y.	Large fragment showing longitudinal section,
York or Darien, N. Y.	A well preserved colony and a weathered mass cut longitudinally.
Pavilion, N. Y.	Five colonies, three of which have been cut to show sections.
Falls of the Ohio.	Fragment cut to show longitudinal section.
Western, N. Y.	Four individuals. Enlargements are to two diameters.
Genesee Val., N. Y.	Three individuals; one cut longitudinally.
Moscow, N. Y.	Two individuals. The second figure is not an enlargement.
.....	See <i>Amplexus intermittens</i> .
Darien, N. Y.	Six fragments. Some may not have come from this exact locality.
Clarksville, N. Y.	A large individual.
Skaneateles L., N. Y.	Parts of two individ. and a third which has been split lengthwise.
Genesee Val., N. Y.	Three individuals, two of which have been cut longitudinally.
Moscow, N. Y.	As <i>Dictyonema cadens</i> . Hall. Nomen nudum. Part of a frond, imbedded.
Koshong Crk., N. Y.	Part of a frond, imb. See remark under <i>Dictyonema hamiltonia</i> .
.....	See <i>Desmograptus devonicus</i> .
Moscow and Genesee Val., N. Y.	Two specimens, not very well preserved, which were the types of Hall's species, but the species was not described, and a co-specific form has been described by Gurley under the name <i>Dictyonema actinotum</i> , q. v.

Subkingdom ECHINODERMATA.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
U. H.	2975 I	Fig'd.	Codaster McCoy. pyramidatus (<i>Shumard</i>) <i>H.</i>	N. Y. S. M.	15	152	I	12, 13
Ham.	4471 I	Type.	Palæaster Hall. eucharis <i>Hall</i>	"	20	287	9	3-3a
"	4471 2	"	" " " "	"	20	287	9	3a
"	4471 3	"	" " " "	"	20	287	9	4
Chem.	4472 I	Gen. and Sp. Type.	Ptilonaster Hall. princeps <i>Hall.</i>	"	20	292	9	9

Class CRINOIDEA.

			Actinocrinus Miller. <i>calypso</i> <i>eucharis</i>					
U. H.	2977 I	Gen. and Sp. Type.	Arachnocrinus M. & W. bulbosus <i>Hall.</i> <i>M. & W.</i> <i>Cacabocrinus</i> Troost..... <i>glyptus</i> <i>liratus</i>	N. Y. S. M. Geol. Ill.	15 2	123 177	I	19, 20
Ham.	4473 I	Type.	Calceocrinus Hall. clarus <i>Hall.</i> <i>Cheirocrinus</i> Hall <i>clarus</i>	N. Y. S. M.	15	116	I	17
Port.	4474 I	"	Cyathocrinus Miller. <i>bulbosus</i> ornatissimus <i>Hall.</i>	Geol. N. Y.	4th D.	247	ct. 108	I
Ham.	4475 I	"	Dolatocrinus Lyon. <i>glyptus</i> <i>Hall.</i> <i>W. & S.</i>	N. Y. S. M. M. M. C. Z.	15 20	140 317	26	2a
"	4476 I	"	<i>liratus</i> <i>Hall.</i> <i>W. & S.</i>	N. Y. S. M. M. M. C. Z.	15 20	139 319	26	3
U. H.	2980 I	"	Edriocrinus Hall. pyriformis <i>Hall.</i>	N. Y. S. M.	15	116	I	23, 24
Orisk.	2731 I	"	sacculus <i>Hall.</i>	Pal. N. Y.	3	143	87	1-18, 21, 22
"	2731 2	"	" " " "	" " "	3	143	62 87	8, 9 19, 20
			Forbesiocrinus de K. & le Hon. <i>lobatus</i> <i>nuntius</i>					
Ham.	4477 I	"	Gennæocrinus W. & S. calypso <i>Hall.</i>	N. Y. S. M.	15	133		
"	4478 I	"	<i>eucharis</i> <i>Hall.</i>	" "	15	130		
"	4479 I	Fig'd.	Gilbertsocrinus Phillips. spinigerus (<i>Hall</i>). <i>Whitf.</i> " " <i>W. & S.</i>	N. Y. Acad. Geol. O. M. M. C. Z.	5 7 20	553 447 247	11 7 15	12 12 3a-c

Class ASTEROIDEA.

LOCALITY.	REMARKS.
Caledonia, N. Y.	A silicified body. Figures are enlargements to two diameters.
Near Madison, N. Y.	Very perfect imprints of the dorsal and ventral sides of the same individual.
Nr. Fultonham, N. Y.	Imprint of ventral side used for some of the details of the figure.
Summit, N. Y.	The specimen as described and its counterpart. The locality is in Schoharie county.
Cortland, N. Y.	Imprint in sandstone.
.....	See <i>Gennæocrinus calypso</i> .
.....	" " <i>eucharis</i> .
.....	As <i>Cyathocrinus</i> (?) <i>bulbosus</i> .
Livingston Co., N. Y.	Genus proposed. Calyx and parts of two arms partly silicified.
.....	Synonym of <i>Dolatocrinus</i> .
.....	See <i>Dolatocrinus glyptus</i> .
.....	" " <i>livatus</i> .
Canandaigua L., N. Y.	As <i>Cheirocrinus clarus</i> . Imbedded.
.....	Synonym of <i>Calceocrinus</i> .
.....	See <i>Calceocrinus clarus</i> .
.....	See <i>Arachnocrinus bulbosus</i> .
Portland, N. Y.	Body, arms and part of column; imbedded. Properly a <i>Mariacrinus</i> . From the lake shore.
.....	As <i>Cacabocrinus glyptus</i> .
Pavilion, N. Y.	A calyx preserving arm bases.
.....	As <i>Cacabocrinus livatus</i> .
Near Bellona, N. Y.	A calyx preserving arm bases.
Near Utica, N. Y.	Three calices used in making the figures.
Cumberland, Md.	A series of fourteen silicified specimens.
S. W. Pennsylvania.	Very large calyx showing basal and first radial plates. From near Cumberland, Md.
.....	See <i>Taxocrinus lobatus</i> .
.....	" " <i>nuntius</i> .
Genesee Val., N. Y.	As <i>Actinocrinus calypso</i> . Crushed calyx with arms attached; imbedded. From Jacock's Run.
" "	As <i>Actinocrinus eucharis</i> . Compressed calyx with arms and part of column; imbedded. From Jacock's Run.
Sulphur Springs, O.	A calyx without arms. Locality is in Delaware county.

Class CRINOIDEA.—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Mar.	4371 1	Type.	Haplocrinus Steining. clio <i>Hall.</i>	N. Y. S. M.	15	143	I	5-9
Orisk.	2727 1	"	Homocrinus Hall. proboscidiæ <i>Hall.</i>	Pal. N. Y.	3	138	85	24, 25
Ham.	4480 1	"	Megistocrinus Ow. & Shum. depressus <i>Hall.</i>	N. Y. S. M. Geol. Ia.	15 I, pt. 2	134 481	....	53
"	4481 1	"	latus <i>Hall.</i>	" "	I, pt. 2	480	I	Ia, b
" ?	4482 1	"	Melocrinus Goldfuss. nodosus <i>Hall.</i> <i>Whitf.</i>	Geol. Wis. Mem. A. M.	1861 I	19 48	5	14
U. H.	2876 1	"	Myrtillocrinus Sandberger. ? americanus <i>Hall.</i>	N. Y. S. M.	15	142	I	2-4
Ham.	4488 1	"	Platycrinus Miller. erensis <i>Hall.</i>	" "	15	119	I	I
"	4484 1	"	Poteriocrinus Miller. nassa <i>Hall.</i>	" "	15	120	....	....
"	4485 1	"	Rhodocrinus Miller. (Acanthocrinus) nodulosus <i>Hall.</i>	" "	15	126	....	....
"	4486 1	"	Taxocrinus Phillips. lobatus <i>Hall.</i>	" "	15	124	....	....
"	4487 1	"	nuntius <i>Hall.</i>	" "	15	124	....	....
Orisk.	2724 1	"	Technocrinus Hall. Andrewsi <i>Hall.</i>	Pal. N. Y.	3	141	86	I, Ia
"	2725 1	"	" <i>Hall.</i>	" "	3	141	86	2-4
"	2726 1	"	sculptus <i>Hall.</i>	" "	3	143	86	I3, I4
"	2728 1	Gen. and Sp. Type.	spinulosus <i>Hall.</i> <i>W. & S.</i>	" " M. M. C. Z.	3 20	140 305	85 22	I, 2 3
"	2724 1	Type.	" <i>Hall.</i> striatus <i>Hall.</i>	Pal. N. Y.	3 3	140 142	85 86	3-18 5-12
"	2729 1	Fig'd.	Undetermined crinoidal remains <i>Hall.</i>	" "	3	145	85	I9-21, 23
"	2719 1	"	Crinoidal or cystoidal remains <i>Hall.</i>	" "	3	147	88	5-9

Class CYSTOIDEA.

Orisk.	2720 1	Type.	Anomalocystites Hall. disparilis <i>Hall.</i>	Pal. N. Y.	3	145	88	I-4
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LOCALITY.	REMARKS.
Near Manlius, N. Y.	Two minute calyces.
Cumberland, Md.	Silicified calyx preserving arms and proboscis.
Seneca Lake, N. Y.	As <i>Megistocrinus latus</i> Hall. The lower part of a flattened calyx. This specimen was used for a part, at least, of the figure in the Iowa report.
Buffalo, Iowa.	Large calyx, somewhat compressed. See also <i>Megistocrinus depressus</i> .
Near Milwaukee, Wis.	A large and a small calyx, without arms. Found in the Drift.
Near Caledonia, N. Y.	A silicified calyx.
Hamburg, N. Y.	Calyx with portions of arms attached. Fig. is an enl. to 2 diam.
Canandaigua L., N. Y.	A compressed calyx, imbedded.
Near Bellona, N. Y.	A somewhat imperfect calyx.
Bristol, N. Y.	As <i>Forbesiocr. lobatus</i> . Calyx with arms and part of column.
Hamburg, N. Y.	As <i>Forbesiocr. nuntius</i> . Calyx with lower portion of arms.
.....	Defined as a subgenus of <i>Mariacrinus</i> .
Cumberland, Md.	Imprint in sandstone.
" "	Two silicified columns.
" "	The silicified basal portion of a calyx.
" "	Part of a silicified calyx with part of the column and some of the arm bases attached.
" "	Nine detached body plates and four column plates, silicified.
" "	Seven separated plates and two conjoined. Prob. = <i>Technocrinus Andrews</i> .
" "	Four silicified column plates.
" "	Three silicified plates.
Cumberland, Md.	A siliceous cast.

Class BLASTOIDEA.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	<u>4488</u> 1	Type.	Eleutheroocrinus S. & Y. Whitfieldi.....Hall.	N. Y. S. M.	15	151	.....	.....
"	<u>4489</u> 1	Gen. and Sp. Type.	Nucleocrinus Conrad. elegans.....Conrad. Hall.	J. A. N. S. N. Y. S. M.	8 15	280 147	15 1	17 14, 15
"	<u>4490</u> 1	Type.	lucina.....Hall.	" "	15	148	.....	.....
"	<u>4490</u> 3	"	".....Hall.	" "	15	148	.....	.....
"	<u>4491</u> 1	"	Pentremites Say. calyce.....Hall.	" "	15	150	.....	.....
"	<u>4492</u> 1	"	maia.....Hall.	" "	15	150	1	10

MOLLUSCOIDEA.

"	<u>4493</u> 1	Gen. and Sp. Type	Acrogenia Hall. prolifera.....Hall.	T. A. I.	10	194	.....	.....
			Callopora Hall. hyale.....Hall. irregularis.....Hall.					
U. H.	<u>3018</u> 1	Type.	Celocaulis Hall. hyale.....Hall.	N. Y. S. M.	26	100	.....	.....
"	<u>3017</u> 1	"	".....Hall. irregularis.....Hall.	St. G. N. Y. Pal. N. Y.	2 6	12 76	12	18, 19 18, 19
"	<u>3017</u> 1	"	".....Hall. irregularis.....Hall.	T. A. I. St. G. N. Y.	10 2	148	24	13-15 13-15
Ham.	<u>4494</u> 1	"	Coscinium Keyserling. striatum.....Hall.	Pal. N. Y.	6	238	64	13-16
"	<u>4495</u> 1	"	Fenestella Lonsdale. emaciated.....Hall.	N. Y. S. M.	36	68	.....	.....
"	<u>4497</u> 1	"	subtortilis.....Hall.	" "	41 36	 71	8	9-13
"	<u>4498</u> 1	"	Fistulipora McCoy. interaspera.....Hall.	Pal. N. Y.	6	218	.....	.....
"	<u>4498</u> 1	"	spherioidea.....Hall.	T. A. I. St. G. N. Y. Pal. N. Y.	10 3 6	187 31 225	 57	 3, 4
"	<u>4500</u> 1	Gen. and Sp. Type	Hernodia Hall. humifusa.....Hall.	T. A. I. St. G. N. Y. Pal. N. Y.	10 3 6	196 58 281	65	20, 21
"	<u>4501</u> 1	Type.	Lichenalia Hall. distant.....Hall.	" "	6	197	.....	.....
"	<u>4502</u> 1	"	tessellata.....Hall.	" "	6	207	.....	.....
"	<u>4503</u> 1	"	vesiculata.....Hall.	" "	6	198	59	14
U. H.	<u>2283</u> 1	Fig'd.	Polypora McCoy. distant (Hall)....Eaton.	Geol. T. B.	2d Ed.	43	5	59, 60
			Ptilionella Hall. penniformis.....Hall.					
Ham.	<u>4504</u> 1	"	Reptaria Rolle. stolonifera (Rolle) ..Hall.	T. A. I. St. G. N. Y. Pal. N. Y.	10 3 6	195 56 274	65	17-19

LOCALITY.	REMARKS.
Muttonville, N. Y.	A crushed body. One of the two types. Ontario county.
Moscow, N. Y. Bellona, N. Y. York, N. Y.	Three individuals, the largest of which was Conrad's type spec. One small and two large calyxes. A large and a medium sized calyx.
Genesee Co., N. Y. Moscow, N. Y.	A somewhat crushed calyx. A calyx partly surrounded by pyrite.
Class POLYZOA.	
18 Mile Creek, N. Y.	A large branching frond. Figure drawn but not published.
.....	See <i>Cælocaulis hyale</i> .
.....	" <i>Cælocaulis irregularis</i> .
.....	Defined as a subgenus of <i>Callopora</i> .
.....	As <i>Callopora hyale</i> .
.....	" " " "
Onondaga Val., N. Y.	A partly crushed branch, imbedded.
.....	As <i>Callopora irregularis</i> .
.....	" <i>Trematopora (Callopora) irregularis</i> .
Central New York.	A rather large fragment, imbedded.
Widder, Ont.	A large fragment, imbedded.
Seneca Lake, N. Y.	An imbedded frond and several detached branches.
" " " "	Shows non-celluliferous surface. Figured, but fig. not published.
York, N. Y.	Coating a cyathophylloid coral.
.....	As <i>Thallistigma spherodeum</i> .
.....	" " " "
York, N. Y.	A spheroidal mass, imbedded.
Cazenovia, N. Y.	Colony on a cast of <i>Gomphoceras abruptum</i> .
York, N. Y.	A large surface on a fragment of a <i>Cystiphyllum</i> .
Genesee Val., N. Y.	A detached mass and thin sections from it.
Darien, N. Y.	A considerable fragment, imbedded.
The Helderbergs, N. Y.	As the type of <i>Coscinopora macropora</i> Eaton. Shows non-celluliferous surface.
.....	Synonym of <i>Reptaria</i> .
.....	See <i>Reptaria stolonifera</i> .
.....	As type of <i>Ptilionella penniformis</i> .
.....	" " " "
Cazenovia, N. Y.	Colonies on two fragmentary casts of <i>Orthoceras constrictum</i> .

MOLLUSCOIDEA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	4505 1	Type.	Thallostigma Hall.					
			<i>spherioideum</i>					
			Trematopora Hall.					
			(Orthopora.) <i>interplana</i> Hall.	Pal. N. Y.	6	186	56	12
			<i>irregularis</i>					
Class BRACHIOPODA.								
Ham.	4506 1	Type.	Ambocœlia Hall.					
			<i>gregaria</i>					
			<i>præumbona</i> Hall.	N. Y. S. M.	10	167		
			"	Pal. N. Y.	4	262	44	3-5
"	4571 2	Fig'd Sp. and G. T.	<i>subombonata</i>					
			<i>umbonata</i> (Con.) ... Hall.	N. Y. S. M.	13	71		1-6
			"	Pal. N. Y.	4	259	p. 260	1-6
			"	"	"	"	44	7-16
"	"	"	<i>H. & C.</i>	St. G. N. Y.	13	761	31	8-12
			"	Pal. N. Y.	8, pt. 2	55	39	4-8
			"	"	"	"	259	44
			"	"	8, pt. 2	55	39	17
Mar.	4573 1	Fig'd.	"	"	"	"	"	9
			"	"	"	"	"	"
			"	"	"	"	"	"
			"	"	"	"	"	"
Chem.	4507 1	Type.	<i>var. gregaria</i> Hall.	Geol. N. Y.	4th D.	181	ct. 71	8, n. s.
			"	N. Y. S. M.	13	71		
			"	Pal. N. Y.	4	259	44	18, v. v. X2
			"	"	"	"	44	19, d. v. X2
"	4507 2	"	"	N. Y. S. M.	13	81		
			"	Geol. N. Y.	4th D.	268	ct. 121	5c, d. v.
			"	Pal. N. Y.	4	261	44	20-22
			"	N. Y. S. M.	13	81		
"	"	Fig'd.	"	Geol. N. Y.	4th D.	268	ct. 121	5b, v. v.
			"	N. Y. S. M.	13	81		
			"	Geol. N. Y.	4th D.	268	ct. 121	5d, v. v.
			"	N. Y. S. M.	13	81		
U. H.	3082 3	Fig'd. Sp. and G. T.	Amphigenia Hall.					
			<i>elongata</i> (Vanux.) ... Hall.	Pal. N. Y.	4	383	59	1, d. v.
			<i>H. & C.</i>	St. G. N. Y.	13	848	49	15, "
			"	Pal. N. Y.	8, pt. 2	252	74	6, "
"	3082 2	"	"	"	"	"	"	"
			"	"	"	"	"	"
			"	"	"	"	"	"
			"	"	"	"	"	"
"	3082 1	"	"	"	"	"	"	"
			"	"	"	"	"	"
			"	"	"	"	"	"
			"	"	"	"	"	"
"	"	"	"	"	"	"	"	"
			"	"	"	"	"	"
			"	"	"	"	"	"
			"	"	"	"	"	"
"	3082 6	Type.	"	"	"	"	"	"
			"	"	"	"	"	"
			"	"	"	"	"	"
			"	"	"	"	"	"
Chem.	4508 1	"	Athyris McCoy.					
			<i>angelica</i> Hall.	N. Y. S. M.	14	99		
			"	Pal. N. Y.	4	292	47	9, d. v.
			"	"	"	"	"	"
"	4508 2	"	<i>H. & C.</i>	St. G. N. Y.	8, pt. 2	90	45	26, "
			"	"	"	"	"	"
			"	"	"	"	"	"
			"	"	"	"	"	"

Class POLYZOA.

LOCALITY.	REMARKS.
.....	See <i>Fistulipora spheroides</i> .
Genesee Val., N. Y.	A small fragment, imbedded. See <i>Calocaulis irregularis</i> .
.....	See <i>Ambocalia umbonata</i> var. <i>gregaria</i> . As <i>Orthis præumbona</i> .
Near Lodi, N. Y.	Two ventral valves. From "Baileytown," on Seneca lake. See <i>Spirifer subumbona</i> .
.....	Figures 8 and 9 are not enlargements. A large individual, a ventral valve and two dorsal valves.
Moscow, N. Y. " "	Individ. from which the vent. valve has been removed to show the spires. As type of <i>Orthis nucleus</i> .
.....	" <i>Ambocalia nucleus</i> .
Avon, N. Y.	An imbedded individual showing ventral valve.
.....	As type of <i>Ambocalia gregaria</i> .
Painted Post, N. Y.	" <i>Orthis unguiculus</i> Sowerby. Individual imbedded so that it shows the exfoliated dorsal valve.
Dexterville, N. Y. " "	As type of <i>Ambocalia gregaria</i> . A ventral valve and the internal cast of a dorsal valve.
Jasper, N. Y.	As type of <i>Ambocalia gregaria</i> . Cast of ventral valve, imbedded.
Ontario Co., N. Y.	As type of <i>Ambocalia gregaria</i> . A block showing many shells and casts.
Clarence Hollow, N. Y.	Internal cast of dorsal valve retaining some shell.
Nr. Williamsville, N. Y.	Internal cast of dorsal valve.
Nr. Williamsville, N. Y.	Entire internal cast split longitudinally.
" " " Mackinac, Mich.	Upper part of an internal cast of conjoined valves. A ventral valve, imbedded. From the "Arched Rock."
Nr. Friendship, N. Y. Belmont, N. Y.	A partly exfoliated dorsal valve, imbedded. From "Rockville." Three valves, two ventral and a dorsal, imbedded separately.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Athyris McCoy—Cont.					
Chem.	4508 ₂	Type.	angelica.....Hall.	Pal. N. Y.	4	292	47	11, 15
"	4508 ₃	"	".....H. & C.	" "	8, pt. 2	90	45	27, 28
"	4508 ₄	"	".....Hall.	" "	4	292	47	13, v. v.
"	4508 ₅	"	"....."	" "	4	292	47	16-19
Ham.	4509 ₁	"	cora.....Hall.	N. Y. S. M.	13	94		
"			".....H. & C.	Pal. N. Y.	4	291	47	1-7
"			"....."	" "	8, pt. 2	90	45	6-10
"	4510 ₃	Fig'd.	fultonensis (Swallow).H.	" "	4	289		Outline.
Chem.	4511 ₁	Type.	? polita.....Hall.	Geol. N. Y.	4th D.	....	t. 66	5
"			".....H. & C.	Pal. N. Y.	4	293	47	21-26
"	4511 ₂	"	".....Hall.	" "	8, pt. 2	....	46	3-5
"	4511 ₃	"	".....H. & C.	" "	4	293	47	27-29
"			"....."	" "	8, pt. 2	....	46	1, 2
Ham.	4512 ₁	Fig'd.	spiriferoides (Eaton).H.	Geol. N. Y.	4th D.	199	ct. 79	5, 5a
"	4512 ₂	"	"....."	N. Y. S. M.	13	153	....	1-2
"	4512 ₃	"	".....H. & C.	Pal. N. Y.	4	285	46	8, 12
"	4512 ₄	"	".....H.	" "	8, pt. 2	89	45	16, d. v.
"	4512 ₅	"	"....."	" "	4	285	46	10
"	4512 ₆	"	".....H. & C.	" "	4	285	46	14-24
"			"....."	" "	8, pt. 2	89	45	18-21
"	4512 ₇	"	".....Hall.	" "	4	285	46	26, int.
"	4512 ₈	"	"....."	" "	4	285	46	28, 29
"	4512 ₉	"	".....H. & C.	" "	8, pt. 2	89	45	22, int.
"	4512 ₁₀	"	".....Hall.	" "	4	285	46	31, d. v.
"			"....."	" "			47	8, v. v.
"	4512 ₁₁	"	".....H. & C.	" "	8, pt. 2	89	45	23, "
"	4512 ₁₂	"	".....Hall.	" "	4	284	....	Diagram
"	4513 ₁	Type.	vittata.....Hall.	" "	4	289	46	1-4
"			".....H. & C.	St. G. N. Y.	13	....	35	1, d. v.
"			"....."	Pal. N. Y.	8, pt. 2	89	45	1-3
			Atrypa Dalman.					
"	4514 ₁	"	affinis.....					
"	4514 ₂	"	aspera Schloth.					
"			var. occidentalis..Hall.	Geol. Ia.	1, pt. 2	515	6	3, b-d.
"			".....H. & C.	Pal. N. Y.	4	....	53A	19-21
"			"....."	St. G. N. Y.	13	....	41	17
"			"....."	Pal. N. Y.	8, pt. 2	170	55	18, 19
"			camura.....					
"			concentrica.....					
"			concinna.....					
"			contracta.....					
"			dumosa.....					
"			eximia.....					
"			hirsuta.....					
Chem.	4515 ₁	"	hystrix.....Hall.	Pal. N. Y.	4	326	53A	15, ext. v. v.
"	4515 ₂	"	"....."	" "	4	326	53A	16, " "
"			".....H. & C.	St. G. N. Y.	13	....	41	16, " "
"	4515 ₃	"	"....."	Pal. N. Y.	8, pt. 2	172	55	23, " "
"	4515 ₄	"	".....Hall.	" "	4	326	53A	17, " "
Scho.	2828 ₁	"	impressa.....Hall.	" "	4	315	51	4, 5
"	2828 ₂	"	"....."	" "	4	315	51	6, 7
"		"	"....."	" "	4	315	51	8, int. d. v.
"		"	laticostata.....					
"		"	mesacotalis.....					
"		"	polita.....					

LOCALITY.	REMARKS.
Belmont, N. Y. Nr. Great Val., N. Y. Western New York.	A vent. valve and the internal cast of another, imbedded separately. Large, slightly distorted, ventral valve. Entire internal cast. Probably from Cattaraugus county.
Delphi, N. Y. Falls of Ohio River.	Two exfoliated individuals. As <i>Athyris vittata</i> H. Indiv. cut to show central portion of spires. As <i>Atrypa polita</i> .
Jasper, N. Y.	Two individuals, considerably exfoliated.
Steuben Co., N. Y. 18 Mile Creek, N. Y.	Entire internal cast. As <i>Atrypa concentrica</i> Bronn. " <i>Spirigera spiriferoides</i> . Large, entire. From the lake shore.
Seneca Lake, N. Y. Moscow, N. Y.	Two entire individuals. From "Baileytown." A small, gibbous individual.
18 Mile Creek, N. Y. Darien, N. Y.	Two large individuals and one of medium size. The last is "from the lake shore." A ventral valve of medium size.
Hardy Co., Va.	Internal cast of conjoined valves.
18 Mile Creek, N. Y. Darien, N. Y.	An individual cut down from both sides to show the spires. Sections from the middle portions of three individuals from which the diagram was constructed.
Falls of Ohio River.	Entire, partly siliceous. See also <i>Athyris fulltonensis</i> . See <i>Atrypa reticularis</i> .
Independence, Ia. Near Elmira, N. Y.	Entire. See <i>Trigleria lepida</i> . " <i>Athyris spiriferoides</i> . " <i>Nucleospira concinna</i> . " <i>Camarotoechia contracta</i> . " <i>Atrypa reticularis</i> . " <i>Camarotoechia eximia</i> . " <i>Parazyga hirsuta</i> . External imprint ventral valve incomplete along hinge line.
Near Bath, N. Y. Bath, N. Y. The Helderbergs, N. Y. " " " "	External imprint of ventral valve. " " " " Large individual retaining most of shell. Imprint of interior of dorsal valve. Internal cast retaining ventral valve. See <i>Camarotoechia contracta</i> . " <i>Leiorhynchus mesacostale</i> . " <i>Athyris polita</i> .

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
U. H.	8077 1	Type.	Atrypa Dalman—Continued. <i>pseudomarginalis</i> ... Hall.	N. Y. S. M.	13	84		
			" " " "	Pal. N. Y.	4	327	53	1, 2
			H. & C.	" " "	8, pt. 2	173	55	26, 27
Tully.	1538 2	Fig'd.	<i>reticularis</i> (Linn.)... Hall.	Geol. N. Y.	4th D.	216	ct. 92	4, ext.
Ham.	1538 1	"	" " " <i>Whitf.</i>	N. Y. S. M.	20	141	1	4, int.
U. H.	1538 1	"	" " " .. Hall.	Pal. N. Y.	4	316	51	10, d. v.
"	1538 1	"	" " " " "	" " "	4	316	51	14-16
Ham.	1538 80	"	" " " " "	" " "	4	316	51	17-22
"	"	"	" " " " "	" " "	4	316	52	1-3
"	"	"	" " " " "	" " "	4	316	51	23, 24
"	1538 1	"	" " " " "	" " "	4	316	52	4-6
U. H.	1538 10	"	" " " " "	" " "	4	316	52	7-9
"	"	"	" " " " "	" " "	4	316	52	10, 11
"	"	"	" " " " "	" " "	4	316	52	12, int. v. v.
			H. & C.	" " "	8, pt. 2	166	55	9, " "
Ham.	1538 35	"	" " " .. Hall.	" " "	4	316	53	5-8
			H. & C.	St. G. N. Y.	13	....	41	9, d. v.
"	1538 35	"	" " " .. Hall.	Pal. N. Y.	8, pt. 2	166	55	5, 6
			" " " " "	" " "	4	316	53	9, int. d. v.
			H. & C.	St. G. N. Y.	13	....	41	11, " "
"	1538 1	"	" " " .. Hall.	Pal. N. Y.	8, pt. 2	166	55	8, " "
"	1538 1	"	" " " " "	" " "	4	316	53	14, 15
"	1538 1	"	" " " " "	" " "	4	316	53	16, v. v.
Chem.	1538 1	"	" " " " "	Geol. N. Y.	4th D.	272	ct. 124	3
"	"	"	" " " " "	Pal. N. Y.	4	316	53	17, 18
"	"	"	" " " " "	" " "	4	316	53	19, int. v. v.
Ham.	1538 1	"	" " " " "	Geol. Ia.	1, pt. 2	515	6	4, 5
Chem.	1538 1	"	" " " " "	Geol. N. Y.	4th D.	272	ct. 124	1a
"	1538 1	"	" " " " "	" " "	4th D.	272	ct. 124	3b
Ham.	8075 10	Type.	<i>spinosa</i> Hall.	" " "	4th D.	200	ct. 80	2, ext. v. v.
			" " " " "	Pal. N. Y.	4	322	53A	9, " "
			H. & C.	St. G. N. Y.	13	....	41	14, " "
			" " " " "	Pal. N. Y.	8, pt. 2	78	55	21, " "
U. H.	8075 3	"	" " " .. Hall.	" " "	4	322	53A	2-4
"	8075 8	"	" " " " "	" " "	4	322	53A	5
Ham.	8075 1	"	" " " " "	" " "	4	322	53A	6, 7
"	8075 13	"	" " " " "	" " "	4	322	53A	10-12
"	8075 13	"	" " " " "	" " "	4	322	53A	14, int. v. v.
Chem.	8075 14	"	" " " " "	" " "	4	322	53A	18, int. d. v.
			<i>tenuilineata</i>					
			<i>tribulis</i>					
			sp. indet.	Geol. N. Y.	4th D.	....	t. 66	3
			Barroisella H. & C.					
			<i>subspatulata</i> (M. & W.)					
Gen. ?	4516 1	Fig'd Sp. and G. T.	" " " H. & C.	St. G. N. Y.	11	231	1	14, enl. X 5
			" " " " "	Pal. N. Y.	8, pt. 1	63	2	14, 15
"	"	"	" " " " "	" " "	8, pt. 1	63	2	16, int. d. v.
			Beachia Hall & Clarke.					
			<i>Suessana</i> Hall.	N. Y. S. M.	10	100	....	....
Orisk.	2748 1	Gen. and Sp. Type.	" " " " "	Pal. N. Y.	3	459	107	7
			H. & C.	" " "	8, pt. 2	260	77	1

LOCALITY.	REMARKS.
Schoharie, N. Y. Bellona, N. Y.	An entire individual. External imprint of a ventral valve preserving the long fimbriae. Retains some shell.
Falls of Ohio River. Williamsville, N. Y. Clarence Hollow, N. Y.	Individ. from wh. the vent. valve has been removed to show spires. A small, exfoliated dorsal valve, imbedded. Exfoliated individ. from which the vent. valve has been removed.
Falls of Ohio River. " " " The Bake-Oven, Ill. Onondaga Co., N. Y. " " "	One small and two large, entire individuals. Separated valves of same individual, silicified. Entire, somewhat exfoliated. Siliceous casts of two large individuals. A large individual, somewhat exfoliated, and a ventral valve. An individual from which the ventral valve has been removed.
Moscow, N. Y.	Two entire individuals.
18 Mile Creek, N. Y. Independence, Ia. Wavefly, Ia.	A somewhat broken dorsal valve. From the lake shore. A very large individual. Large ventral valve, imbedded.
Western New York. Cortland, N. Y. Independence, Ia. Elmira, N. Y. Ithaca, N. Y.	As type of <i>Atrypa tribulis</i> . A nearly entire individ. and the external imprint of a ventral valve. Internal imprint of a ventral valve. One very large and two small individuals. As type of <i>Atrypa dumosa</i> . Imperfect cast retaining some spires. As type of <i>Atrypa tribulis</i> . Imperfect internal cast of a ventral valve. From the "Inclined Plane."
Moscow, N. Y. Erie Co., N. Y. Near Batavia, N. Y. Falls of Ohio River. Darien, N. Y. Moscow, N. Y. Near Elmira, N. Y.	Rather flat individual, preserving spinules. Entire. As <i>A. spinosa</i> vel <i>aspera</i> Schlotheim in the text. Rather smooth individual. Entered in text like preceding. A silicified vent. valve and a dorsal valve with imperfect margin. An average individual denuded of spinules. A large ventral valve. Internal cast of a dorsal valve.
.....	See <i>Schizophoria tioga</i> .
.....	" <i>Atrypa reticularis</i> .
.....	" <i>Camarotoechia contracta</i> .
E. of Sandusky, O. " " " Cumberland, Md.	An imbedded ventral valve and the internal imprint of another. From the "Black Slate." Fragmentary dorsal valve showing interior, imbedded. From the "Black Slate." Defined as a subgenus of <i>Rensselaria</i> . As <i>Meganteris Suessana</i> . " <i>Rensselaria Suessana</i> . The lower figure. Entire internal cast, silicified. The lower figure.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Orisk.	2748 1	Gen. and Sp. Type.	Beachia H. & C.—Cont.					
			Suessana.....Hall.	Pal. N. Y.	3	459	107	9, 10
			H. & C.	St. G. N. Y.	13	850	51	6, int. d. v.
			".....Hall.	Pal. N. Y.	8, pt. 2	260	77	2, " "
			H. & C.	"	3	459	107	1-5h
			H. & C.	St. G. N. Y.	13	850	51	1-4
" "	" "	" "	".....Hall.	Pal. N. Y.	8, pt. 2	260	77	3, 6-9
			H. & C.	"	3	459	107	8, int. d. v.
			H. & C.	"	8, pt. 2	260	77	5, " "
U. H.	3081 2	Type.	Camarotoëchia H. & C.					
			Billingsi.....Hall.	"	4	336	54	9, 11-13
" "	3081 1	" "	".....H. & C.	"	4	336	54	10, ent. X 2
			".....H. & C.	"	8, pt. 2	192	57	3, " "
Ham.	4517 2	Fig'd Sp and G. T.	congregata (Con.)...Hall.	"	4	341	54	44, 45
			".....H. & C.	"	4	341	54	51, int. v. v.
			".....Hall.	"	8, pt. 2	190	57	22, " "
			H. & C.	"	4	341	54	52-54
			H. & C.	St. G. N. Y.	13	826	43	9
			".....Hall.	Pal. N. Y.	8, pt. 2	190	57	20, 21
U. H.	4127 1	Type.	carolina.....Hall.	"	4	337	54	14-19
			H. & C.	"	8, pt. 2	192	57	4-6
Chem.	4518 3	" "	contracta.....Hall.	Geol. N. Y.	4th D.	....	t. 66	3a, v. v.
			".....Hall.	Pal. N. Y.	4	351	55	26, " "
			".....H. & C.	"	4	351	55	29-33
			".....Hall.	"	8, pt. 2	192	57	28, 29, 31
			".....Hall.	"	4	351	55	36, v. v.
			".....Hall.	"	4	351	55	37, int. v. v.
			".....Hall.	Geol. N. Y.	4th D.	....	t. 66	1a, d.
			".....Hall.	"	4th D.	....	t. 66	1c, v. v.
			".....Hall.	"	4th D.	....	t. 66	3, d. v.
			" var. saxatilis. Hall.	Pal. N. Y.	4	417	54A	44-49
			dotis.....Hall.	"	4	344	54A	11-14
			".....Hall.	"	4	344	54A	15-18
Ham.	4520 3	" "	".....H. & C.	"	8, pt. 2	192	57	40, 41
			".....Hall.	"	4	344	54A	19, 20
			duplicata.....Hall.	Geol. N. Y.	4th D.	....	t. 67	2-2b
			".....Hall.	Pal. N. Y.	4	350	55	17-20
			H. & C.	"	8, pt. 2	192	57	36-38
			eximia.....Hall.	Geol. N. Y.	4th D.	....	t. 66	4a, v. v.
			".....Hall.	Pal. N. Y.	4	348	55	4-8
			H. & C.	"	8, pt. 2	192	57	44, 45
			".....Hall.	"	4	348	55	1-3
			".....Hall.	"	4	....	54A	50, 51
			".....Hall.	"	4	....	54A	50, 51
			".....Hall.	"	4	....	54A	50, 51
Chem.	4523 1	Type.	Horsfordi.....Hall.	N. Y. S. M.	13	87	....	....
			".....Hall.	Pal. N. Y.	4	339	54	24, d. v.
			".....Hall.	"	4	339	54	25-27
			".....Hall.	"	4	339	54	28-32
			H. & C.	"	8, pt. 2	192	57	7-9
			orbicularis.....Hall.	N. Y. S. M.	14	88	....	....
			".....Hall.	Pal. N. Y.	4	353	55	43, 44
			H. & C.	St. G. N. Y.	13	....	43	8
			".....Hall.	Pal. N. Y.	8, pt. 2	192	57	47, 48
			".....Hall.	"	4	....	54A	50, 51
			".....Hall.	"	4	....	54A	50, 51
			".....Hall.	"	4	....	54A	50, 51

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Camarotoechia H. & C.— <i>Con.</i>					
Chem.	4524	Type.	orbicularis.....Hall.	Pal. N. Y.	4	353	55	45, <i>int.d.v.</i>
Ham.	4525		prolifera.....Hall.	" "	4	343	54A	1-10
			H. & C.	" "	8, pt. 2	192	57	42, 43
U. H.	3080	"	royana.....Hall.	" "	4	338	54	20-23
Mar.	4522	"	sappho.....Hall.	N. Y. S. M.	13	87		
			"	Pal. N. Y.	4	340	54	34-42
			H. & C.	" "	8, pt. 2	192	57	10-14
Ham.	4522	"	".....Hall.	" "	4	340	54	43, <i>frt.</i>
Chem.	4525	"	Stevensi.....Hall.	" "	4	349	55	9, <i>ext. v. v.</i>
"	4525	"	"....."	" "	4	349	55	10, <i>int.v.v.</i>
			H. & C.	" "	8, pt. 2	192	57	33, "
			Centronella Billings.					
U. H.	3086	"	alveata.....Hall.	N. Y. S. M.	10	124		
			"	Pal. N. Y.	4	401	61A	22-24
			H. & C.	" "	8, pt. 2	268	79	22-24
Scho.	2888	Gen. and Sp. Type	glans-fagea.....Hall.	N. Y. S. M.	10	125		
			Billings.	Can. N. & G.	4	132		
			Hall.	N. Y. S. M.	16	45		
			"	Pal. N. Y.	4	399	61A	1, 2
			H. & C.	" "	8, pt. 2	268	79	1, <i>d. v.</i>
U. H.	3085	Type.	".....Hall.	" "	4	399	61A	8-10
	4524	"	"....."	" "	4	399	61A	25, 26
			H. & C.	" "	8, pt. 2	268	79	5, 6
Ham.	4526	"	".....Hall.	" "	4	399	61A	6, <i>d. v.</i>
"	4527	"	impressa.....Hall.	N. Y. S. M.	14	102		
			"	" "	15		3	1-5
			"	Pal. N. Y.	4	402	61A	33-38
			H. & C.	" "	8, pt. 2	269	79	16, 18-20
"	4528	"	glaucia.....Hall.	" "	4	403	61A	39, 40
			Chonetes Fischer.					
U. H.	3046	"	acutiradiatus.....Hall.	Geol. N. Y.	4th D.	171	ct. 67	3, <i>ext. v. v.</i>
			"	Pal. N. Y.	4	120	20	5A-C
			"	St. G. N. Y.	2		47	8, <i>ext. v. v.</i>
			H. & C.	" "	11		20	4, "
"	3049	"	arcuatus.....Hall.	Pal. N. Y.	8, pt. 1		16	8, "
			"	N. Y. S. M.	10	116		
			"	Pal. N. Y.	4	119	20	7a-d
			"	St. G. N. Y.	2		47	15
"	3049	"	".....Hall.	Pal. N. Y.	8, pt. 1		16	15
			"	" "	4	119	20	7e, f
			"	St. G. N. Y.	2		47	35, 36
			H. & C.	Pal. N. Y.	8, pt. 1		16	35, 36
			<i>complanatus</i>					
Ham.	4531	Fig'd.	coronatus (<i>Con.</i>).....Hall.	Pal. N. Y.	4	133	21	10a-d, h, i
			"	St. G. N. Y.	2		47	33, <i>int.d.v.</i>
			H. & C.	Pal. N. Y.	8, pt. 1	313	76	33, "
"	4532	Type.	deflectus.....Hall.	N. Y. S. M.	10	149		
			"	Pal. N. Y.	4	126	21	7a-g
			"	St. G. N. Y.	2		47	28, <i>int.d.v.</i>
			H. & C.	" "	11		20	11, "
"	4532	"	".....Hall.	Pal. N. Y.	8, pt. 1		16	28, "
			"	N. Y. S. M.	10	145		
			"	Pal. N. Y.	4	126	21	8b, c
			<i>gibbosus</i>					
			<i>glaber</i>					

LOCALITY.	REMARKS.
Howard, N. Y.	Internal cast of a dorsal valve.
.....	As <i>Rhynchonella</i> (<i>Stenoschisma</i>) <i>prolifca</i> .
Otsego, N. Y.	Five entire internal casts.
Near LeRoy, N. Y.	As <i>Rhynchonella</i> ? (<i>Stenoschisma</i> ?) <i>royana</i> . Entire, silicified.
.....	" <i>Rhynchonella sappho</i> .
.....	" (<i>Stenoschisma</i>) <i>sappho</i> .
LeRoy, N. Y.	Seven individuals, of which four were figured.
Madison Co., N. Y.	As <i>Rhynchonella</i> (<i>Stenoschisma</i>) <i>sappho</i> . A large, gibbous individ.
Belmont, N. Y.	As type of <i>Rhynchonella</i> (<i>Stenoschisma</i>) <i>Stephani</i> . Ventral valve, imbedded.
.....	As type of <i>Rhynchonella</i> (<i>Stenoschisma</i>) <i>Stephani</i> .
Cortland Co., N. Y.	Internal cast of a ventral valve.
.....	As <i>Rhynchonella</i> (?) <i>alveata</i> .
Western New York.	A considerably exfoliated, somewhat imperfect individual.
.....	As <i>Rhynchonella glans-fagea</i> .
.....	Made type of genus <i>Centronella</i> .
Albany Co., N. Y.	Individual with beak slightly broken.
Clarence, N. Y.	Entire. The figures are enlargements to two diameters.
Near Waterloo, Ia.	Entire figures are enl. $\times 2$. Specimen came from O. H. St. John.
The Bake-Oven, Ill.	Internal cast retaining shell at the umbones.
Bellona, N. Y.	A very perfect adult, a ventral and two dorsal valves.
Schoharie Co., N. Y.	Internal cast of ventral valve and a partial cast of a dorsal valve; imbedded; two blocks.
.....	As <i>Strophomena acutiradiata</i> .
East Buffalo, N. Y.	Two ventral valves imbedded together.
Williamsville, N. Y.	A nearly entire individual and two imbedded ventral valves.
Clarence Hollow, N. Y.	Internal cast of a ventral valve. See also <i>Chonetes hemisphericus</i> .
.....	See <i>Chonostrophia complanatus</i> .
Darien, N. Y.	A small, entire individual and two ventral valves, one of which is imbedded. See also <i>Chonetes syrtalis</i> .
.....	Fig. an enl. $\times 2$.
.....	" " " " Two entire individs. and two opposite valves.
Canandaigua L., N. Y.	As type of <i>Chonetes gibbosus</i> .
.....	A very gibbous ventral valve, imbedded.
York, N. Y.	See <i>Chonetes deflectus</i> .
.....	" " <i>lineatus</i> .

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
U. H.	$\frac{2825}{2}$	Type.	Chonetes Fischer—Cont. hemisphericus.....Hall.	N. Y. S. M.	10	116		
Scho.	$\frac{2825}{1}$	"	" " " " " "	Pal. N. Y.	4	118	20	6a, ext. v. v.
			" " " " " "	N. Y. S. M.	10	116	....	1, "
			" " " " " "	Pal. N. Y.	4	118	20	6b-d
			" " " " " "	St. G. N. Y.	2	....	47	14, ext. v. v.
			H. & C.	Pal. N. Y.	8, pt. I	....	16	14, "
Ham.	$\frac{4533}{1}$	Fig'd.	Koninckanus (N. & P.) H.	" "	4	136	21	3, "
			<i>laticosta</i>					
"	$\frac{4534}{1}$	Type.	lepidus.....Hall.	N. Y. S. M.	10	148		
			" " " " " "	Pal. N. Y.	4	132	21	5a-e
Chem.	$\frac{4534}{3}$	"	" " " " " "	" " "	4	142	22	13, v. v.
U. H.	$\frac{3043}{4}$	Fig'd.	lineatus (Con.).....Hall.	N. Y. S. M.	10	117		
			" " " " " "	Pal. N. Y.	4	121	20	3a-f
Tully.	$\frac{4535}{1}$	Type.	Logani var. aurora..Hall.	" "	4	137	22	16-18
			" " " " " "	St. G. N. Y.	2	....	47	9, 18
			H. & C.	Pal. N. Y.	8, pt. I	....	16	9, 18
Ham.	$\frac{4536}{1}$	Fig'd.	Maclurea (N. & P.) Hall.	" "	4	136	21	11
"	$\frac{4537}{1}$	"	Martini (N. & P.)..Hall.	" "	4	136	21	12
Mar.	$\frac{3044}{3}$	Type.	mucronatus.....Hall.	Geol. N. Y.	4th D	181	ct. 71	3
U. H.	$\frac{3044}{2}$	"	" " " " " "	N. Y. S. M.	10	119	....	
			" " " " " "	Pal. N. Y.	4	124	20	1a-d
"	$\frac{3044}{3}$	"	" " " " " "	N. Y. S. M.	10	119	....	
			" " " " " "	Pal. N. Y.	4	124	20	2, v. v. X 2
			" " " " " "	St. G. N. Y.	2	....	47	6, "
			H. & C.	Pal. N. Y.	8, pt. I	306	16	6, "
Mar.	$\frac{3044}{3}$	"	" " " " " "	N. Y. S. M.	10	119	....	
			" " " " " "	Pal. N. Y.	4	124	21	1a-c
Chem.	$\frac{4538}{1}$	"	muricatus.....Hall.	" "	4	143	22	31, ext. d. v.
Ham.	$\frac{4539}{1}$	"	pusillus.....Hall.	N. Y. S. M.	10	149		
			" " " " " "	Pal. N. Y.	4	128	21	6a, b
"	$\frac{4540}{1}$	"	scitulus.....Hall.	N. Y. S. M.	10	147		
			" " " " " "	Pal. N. Y.	4	130	21	4a, b, d
			" " " " " "	St. G. N. Y.	2	....	47	4, d. v.
			H. & C.	Pal. N. Y.	8, pt. I	....	16	4, "
"	$\frac{4540}{3}$	"	" " " " " "	" "	4	130	21	4c, ext. v. v.
"	$\frac{4540}{3}$	"	" " " " " "	" "	4	130	21	4f, int. d. v.
			" " " " " "	St. G. N. Y.	2	....	47	27, "
			H. & C.	Pal. N. Y.	8, pt. I	....	16	27, "
Chem.	$\frac{4540}{4}$	"	" " " " " "	" "	4	141	22	8, v. v.
Ham.	$\frac{4540}{4}$	"	" " " " " "	" "	4	130	22	9, "
Mar.	$\frac{4545}{1}$	"	setiger.....Hall.	Geol. N. Y.	4th D	180	ct. 71	2, ext. v. v.
			" " " " " "	N. Y. S. M.	10	150		
			" " " " " "	Pal. N. Y.	4	129	21	2a, b
			" " " " " "	St. G. N. Y.	2	....	47	5, 19
			H. & C.	" "	11	....	20	2, v. v. X 2
			" " " " " "	Pal. N. Y.	8, pt. I	....	16	5, 19
Chem.	$\frac{4545}{2}$	"	" " " " " "	" "	4	142	22	4, v. v. X 2
Ham.	$\frac{4541}{1}$	Fig'd.	syrtalis (Con.).....Hall.	" "	4	135	21	13a, b
			" " " " " "	St. G. N. Y.	2	....	47	43, ext.
			H. & C.	Pal. N. Y.	8, pt. I	....	16	43, "
"	"	"	" " " " " "	" "	4	135	21	13c, int. d. v.
			" " " " " "	St. G. N. Y.	2	....	47	41, "
			H. & C.	Pal. N. Y.	8, pt. I	....	16	41, "

LOCALITY.	REMARKS.
Western New York.	A somewhat imperfect ventral valve, imbedded.
.....	As <i>Chonetes arcuatus</i> , by error.
Albany Co., N. Y.	A ventral valve, imbedded.
2 mi. West of Jonesboro, Ill.	Imb. Ident. by Norwood & Pratten, but = <i>Chonetes coronatus</i> Con.
.....	See <i>Chonetes mucronatus</i> .
Hamburg, N. Y.	A large, entire individual and a dorsal valve.
Forestville, N. Y.	Ventral valve, imbedded.
.....	As type of <i>Chonetes glaber</i> Hall.
Seneca Co., N. Y.	Two ventral valves, one dorsal valve, one individual and an internal cast of ventr. valve; all imbedded. See also <i>Chonetes Yandellanus</i> .
De Ruyter, N. Y.	Two specimens imbedded with many others.
Devil's Backbone, Ill.	Imbedded. Identified by Norwood & Pratten, but probably = <i>Chonetes cornutus</i> Con.
" "	Internal imprint retaining some shell. Identified by Norwood & Pratten, but probably = <i>Chonetes cornutus</i> Con.
Avon, N. Y.	As <i>Strophomena mucronata</i> . Ventral valve, imbedded.
.....	As type of <i>Chonetes laticosta</i> .
Near Buffalo, N. Y.	Two imbedded ventral valves.
.....	As type of <i>Chonetes laticosta</i> .
.....	Specific reference queried.
Williamsville, N. Y.	Exfoliated ventral valve, imbedded.
.....	As type of <i>Chonetes laticosta</i> .
Ontario Co., N. Y.	Ventral valve, imbedded.
Cattaraugus Co., N. Y.	External imprint dorsal valve, somewhat imperfect.
Devil's Backbone, Ill.	Imbedded.
Outlet L. Keuka, N. Y.	Entire individual.
Western New York.	
Bellona, N. Y.	A dorsal valve, imbedded.
Near Tioga, N. Y.	Cast of a somewhat distorted ventral valve.
Nr. Cumberland, Md.	Internal cast of ventral valve, imbedded with many others.
.....	As <i>Strophomena setigera</i> .
Near Caledonia, N. Y.	An imbedded ventral valve; possibly from Avon, N. Y.
Painted Post, N. Y.	Exfoliated, imbedded.
.....	As <i>Chonetes coronatus</i> Con.
Summit, N. Y.	Opposite valves imbedded together. Is = <i>Chonetes coronatus</i> Con., according to Hall. Locality is in Schoharie county.
.....	As <i>Chonetes coronatus</i> Con.
Summit, N. Y.	Int. impt. ventr. valve. Is = <i>Chonetes coronatus</i> Con., acc. to Hall.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	$\frac{45.42}{1}$	Fig'd.	Chonetes Fischer— <i>Cont.</i> Tuomeyi (<i>N. & P.</i>) Hall.	Pal. N. Y.	4	136	21	9a, b
"	$\frac{45.43}{1}$	Type.	Vandellanus Hall.	N. Y. S. M.	10	118		
			"	Pal. N. Y.	4	123	20	4a-g
			H. & C.	St. G. N. Y.	11	....	20	10
			"	Pal. N. Y.	8, pt. 1	....	16	34
Orisk.	$\frac{26.67}{1}$	"	Chonostrophia H. & C.					
			complanatus Hall.	N. Y. S. M.	10	56		
			"	Pal. N. Y.	3	418	93	1a-c, 2c
			"	St. G. N. Y.	2	....	47	29, <i>int.v.v.</i>
			H. & C.	"	11	....	20	21,
			"	Pal. N. Y.	8, pt. 1	311	16	29, "
"	$\frac{26.67}{3}$	"	" Hall.	St. G. N. Y.	2	....	47	13, <i>int.v.v.</i>
			H. & C.	"	11	....	20	20,
			"	Pal. N. Y.	8, pt. 1	311	16	13, "
U. H.	$\frac{30.78}{1}$	Fig'd.	Cœlospira Hall. acutiplicata (<i>Con.</i>)... Hall.	"	4	365	57	32-37, 39
			H. & C.	"	8, pt. 2	136	53	32-35
"	$\frac{30.78}{3}$	"	" " .. Hall.	"	4	365	57	38
"	$\frac{24.70}{2}$	Type.	camilla..... Hall.	"	4	329	52	13-19
			H. & C.	St. G. N. Y.	13	....	39	11-14
			"	Pal. N. Y.	8, pt. 2	136	53	24-28
			concava.....	"	4	329	....	....
Ham.	$\frac{45.44}{1}$	Gen. and Sp. Type.	Cranæna H. & C.					
			Romingeri..... Hall.	N. Y. S. M.	16	48	....	....
			"	Pal. N. Y.	4	389	60	66, 67
"	$\frac{45.44}{2}$	"	H. & C.	"	8, pt. 2	297	80	16, 17
			" Hall.	"	4	389	60	20, <i>d.v.</i> X 2
"	$\frac{45.45}{1}$	Type.	Crania Retzius. crenistriata Hall.	N. Y. S. M.	13	78		
			"	Pal. N. Y.	4	28	3	13, <i>d. v.</i>
"	$\frac{45.45}{2}$	"	"	"	4	28	3	15, 16
			H. & C.	"	8, pt. 1	....	4H	10, 11
Chem.	$\frac{45.46}{1}$	"	hamiltonia.....	N. Y. S. M.	13	78		
			leoni..... Hall.	Pal. N. Y.	4	30	3	27-30
			H. & C.	St. G. N. Y.	11	....	6	20
"	$\frac{45.46}{2}$	Fig'd.	leoni?..... Hall.	Pal. N. Y.	8, pt. 1	....	4H	34, 35
			"	"	4	30	3	25, 26
Ham.	$\frac{45.47}{1}$	Type.	Craniella Oehlert. hamiltonia..... Hall.	N. Y. S. M.	13	77	p. 76	5, <i>int. v. v.</i>
			"	Pal. N. Y.	4	27	3	20, "
"	"	"	"	"	4	27	3	19
			H. & C.	"	8, pt. 1	153	41	6
"	$\frac{45.48}{1}$	"	Cryptonella Hall. ? elia..... Hall.	"	4	390	60	26-28
Chem.	$\frac{45.49}{1}$	"	eudora..... Hall.	"	4	398	61	29, 30
"	"	"	"	"	4	398	61	34, 35
Ham.	$\frac{45.50}{1}$	Type.	iphis.....					
U. H.	$\frac{30.84}{1}$	"	? jucunda Hall.	Pal. N. Y.	4	390	60	29-31
			lens..... Hall.	N. Y. S. M.	13	89	....	....
			"	Pal. N. Y.	4	386	60	1-4

LOCALITY.	REMARKS.
Devil's Backbone, Ill.	A somewhat broken individual. Identified by Norwood & Pratten. Is= <i>Chonetes coronatus</i> Con. Loc. given by Norwood & Pratten.
Louisville, Ky.	As <i>Chonetes lineatus</i> Con., by error. " " " " " " One entire individual and two detached opposite valves. From above the "bone bed." Defined as a subgenus of <i>Chonetes</i> . As <i>Chonetes complanatus</i> . " " " " " " " "
Knox, N. Y.	Exterior imprints of two valves and interior imprint of another. As <i>Chonetes complanatus</i> .
Gaspé, N. B.	Interior imprint of ventral valve.
Near Phelps, N. Y.	As <i>Leptocælia acutiplicata</i> . Two entire individuals and a ventral valve with part of dorsal valve adhering; silicified.
Central New York.	As <i>Leptocælia acutiplicata</i> . Dorsal valve, imbedded. As <i>Calospira concava</i> Hall, in the text, by error.
Caledonia, N. Y.	Two individuals and two detached opposite valves. See <i>Calospira camilla</i> .
	Defined as a subgenus of <i>Dielasma</i> . As <i>Terebratula Romingeri</i> . " " " "
Thunder Bay, Mich. Hamburg, N. Y.	An individual cut so as to show loop. A small rotund individual from the shore of the lake. This species is probably identical with <i>Eunella Lincklæni</i> .
Canandaigua L., N. Y.	A dorsal valve, imbedded. From near Black Point.
18 Mile Creek, N. Y.	A dorsal valve on an <i>Athyris spiriferoides</i> . See <i>Craniella hamiltonia</i> .
Leon, N. Y. Near Angelica, N. Y.	Three internal casts. A partly exfoliated dorsal valve, imbedded. From Hull's Mill.
Canandaigua L., N. Y.	As <i>Crania hamiltonensis</i> , apparently by error. " " <i>hamiltonia</i> . One of a group of three ventral valves attached to the ventral valve of a <i>Tropidoleptus carinatus</i> . As <i>Crania hamiltonia</i> .
Canandaigua L., N. Y.	Three individuals on a <i>Tropidoleptus carinatus</i> .
Waterloo, Ia. Near Ithaca, N. Y. " " "	As <i>Terebratula elia</i> . Silicified. Right margin restored. As <i>Cryptonella iphis</i> in expl. pl., by error. Internal cast. Internal casts of an individual and of a dorsal valve. See <i>Cryptonella eudora</i> .
Waterloo, Ia.	Individual ground down to show loop.
Clarence Hollow, N. Y.	As <i>Terebratula lens</i> . " " " " Internal cast and an exfoliated individual.

LOCALITY.	REMARKS.
Rockford, Iowa.	See <i>Eunella Lincklani</i> . As <i>Terebratula navicella</i> . Three individuals. " " <i>planirostra</i> . Referred to genus <i>Cryptonella</i> .
Moscow, N. Y.	Three entire individuals showing variations.
" "	Rostral portion of a large ventral valve. As <i>Terebratula rectirostra</i> . Genus <i>Cryptonella</i> established.
Canandaigua L., N. Y.	Two entire individuals.
Moscow, N. Y.	Large ventral valve with beak of dorsal valve attached.
.....	As <i>Rhynchospira nobilis</i> .
.....	As <i>Trematospira ? nobilis</i> .
.....	Genus <i>Cyclorhina</i> established.
Darien, N. Y.	Weathered dorsal valve showing mould of the crura.
" "	A crushed individual and a crushed ventral valve, latter imbedded.
.....	See <i>Cyrtina biplicata</i> .
.....	As <i>Spirifer cyrtiniiformis</i> .
Rockford, Iowa.	A dorsal valve.
.....	See <i>Cyrtina hamiltonensis</i> .
.....	See <i>Cyrtina rostrata</i> .
.....	See <i>Cyrtina umbonata</i> .
.....	As <i>Cyrtia biplicata</i> .
Schoharie, N. Y.	Internal cast of ventral valve.
Phelps Tp., N. Y.	A somewhat exfoliated and distorted individual. The locality was originally called Vienna. Specific reference queried.
Nr. Iowa City, Iowa.	Entire individual.
.....	As <i>Cyrtia hamiltonensis</i> .
Darien, N. Y.	Entire individual.
Moscow, N. Y.	Two entire individuals.
Widder, Ont.	A large individual with strongly curved beak.
Bosanquet, Ont.	A very large individual.
Widder, Ont.	Middle portion of a dorsal valve.
Cumberland, Md.	Internal cast. Figures are enlargements to 2 diameters.
Widder, Ont.	Axial section of one individual and transverse section of another.
18 Mile Creek, N. Y.	An entire adult.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Cyrtina Davidson— <i>Cont.</i>					
Chem.	4558	Type.	hamiltonensis var. recta H.	Pal. N. Y.	4	270	44	37
Orisk.	2672	"	rostrata Hall.	N. Y. S. M.	10	64	...	...
			" H. & C.	Pal. N. Y.	3	429	96	1a-4d
"	"	"	" Hall.	"	8, pt. 2	46	25	1-5, 8
"	"	"	" H. & C.	"	3	429	96	5, 6
"	2672	"	" Hall.	"	8, pt. 2	46	25	6, 7
Ham.	4559	"	umbonata Hall.	Geol. Ia.	1, pt. 2	512	5	8a, b 2a-c
			Dalmanella H. & C.					
U. H.	3038	"	lentiformis (H.) H. & C.	Pal. N. Y.	8, pt. 1	224	5C	41, int. v. v.
			" Hall.	"	4	35	5	2e, "
Chem.	4560	"	leonensis Hall.	"	4	62	8	8, ext. v. v.
Ham.	4561	"	lepida Hall.	N. Y. S. M.	13	78	...	...
			" "	Pal. N. Y.	4	46	6	1a-f
Orisk.	2419	"	planoconvexa Hall.	"	3	168	12	1a, b, 4-6
			Delthyris Dalman					
			acuminata					
			congesta					
			cuspidata					
			disjuncta					
			lævis					
			macronota					
			medialis					
			mesastrialis					
			mucronata					
			zigzag					
			Dignomia Hall.					
Ham.	4562	Gen. and Sp. Type.	alveata Hall.	Pal. N. Y.	4	12	2	15
			" "	N. Y. S. M.	23	245	...	...
			Discina Lamarck.					
			allegiania					
			ampla					
			doria					
			elmira					
			grandis Hall non Vanuxem					
			" Vanuxem					
			lodensis					
			media					
			minuta					
			seneca					
			truncata					
			Douvillina Oehlert.					
Chem.	4563	Type.	arcuata Hall.	Geol. Ia.	1, pt. 2	492	3	1a-d, 2a-c
"	4564	"	cayuta Hall.	Pal. N. Y.	4	110	10	1, int.
"	4564	"	" "	"	4	110	10	2, 5
			" "	St. G. N. Y.	2	...	46	18, 19
			" H. & C.	"	11	...	14	19
			" "	Pal. N. Y.	8, pt. 1	289	15	18, 19
"	4564	"	" Hall.	"	4	110	10	3
Ham.	4565	Fig'd.	inæquistriata (Con.) Hall.	Geol. N. Y.	4th D.	201	ct. 80	4, ext.
"	4565	"	" "	Pal. N. Y.	4	106	15	11, enl. X 2
"			" "	St. G. N. Y.	2	...	45	5, "
"			" H. & C.	Pal. N. Y.	8, pt. 1	289	14	5, "

LOCALITY.	REMARKS.
Belmont, N. Y.	Cast of ventral valve, retaining shell along cardinal area. As <i>Cyrtia rostrata</i> .
Cumberland, Md.	Four silicified individuals, young to very old. As <i>Cyrtia rostrata</i> .
Cumberland, Md.	A dorsal and a ventral valve silicified.
Schoharie, N. Y.	As <i>Cyrtia rostrata</i> . Internal cast of a ventral valve.
Rock Island, Ill.	" " <i>umbonata</i> . A ventral valve and an entire individual.
Shortsville, N. Y.	As <i>Orthis lenticularis</i> Vanux. A ventral valve. Vanuxem's name was preoccupied and Miller proposed the name <i>Orthis eboracensis</i> for this species. N. A. Geol. and Pal., p. 357.
Conewango, N. Y.	As <i>Orthis leonensis</i> . External imprint of ventral valve.
Canandaigua L., N. Y.	" " <i>lepida</i> .
Cumberland, Md.	A small individual, two opposite valves and an int. cast; silicified.
	Synonym of <i>Spirifer</i> .
	" " <i>mesacostalis</i> .
	" " <i>granulosus</i> .
	" " <i>disjunctus</i> .
	" " <i>lævis</i> .
	" " <i>audaculus</i> var. <i>macronotus</i> .
	" " <i>mesastrialis</i> .
	" " <i>mucronatus</i> .
	" " <i>consobrinus</i> .
Ludlowville, N. Y.	As <i>Lingula alveata</i> . Gen. <i>Dignomia</i> established. Cast of a valve preserving some shell.
	See <i>Orbiculoidea alleghania</i> .
	" " <i>ampla</i> .
	" " <i>doria</i> and <i>Lingulodiscina exilis</i> .
	" " <i>elmira</i> .
	" " <i>ampla</i> .
	" <i>Ramerella grandis</i> .
	" <i>Orbiculoidea lodensis</i> .
	" " <i>media</i> .
	" " <i>minuta</i> .
	" " <i>seneca</i> .
	" " <i>truncata</i> .
Rockford, Iowa.	Considered by Hall and Clarke to be a subgenus of <i>Strophodonta</i> .
Near Bath, N. Y.	As <i>Strophodonta arcuata</i> . Two entire indiv. and a ventral valve.
	" " <i>cayuta</i> . Int. cast small ventr. valve. Steuben county.
	" " "
Near Elmira, N. Y.	Internal cast of ventral valve.
Near Blossburg, Pa.	As <i>Strophodonta cayuta</i> . Internal cast of ventral valve.
Seneca Lake, N. Y.	As <i>Strophomena inequistriata</i> . A ventral valve.
	As <i>Strophodonta inequistriata</i> .
	" " "
Bristol, or Canandaigua Lake, N. Y.	Central portion of a dorsal valve imbedded.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	4565 3	Fig'd.	Douvillina Oehlert— <i>Cont.</i>					
			<i>inæquistriata</i> (Con.) Hall.	Pal. N. Y.	4	106	18	2b, e, g
			" " " "	St. G. N. Y.	2	....	45	1-3
			H. & C.	" " "	11	....	14	16, 17
"	4565 2	"	" " " "	Pal. N. Y.	8, pt. 1	289	14	1-3
			" " " "	" " "	4	106	18	2k, enl.
			" " " "	St. G. N. Y.	2	....	45	6, int. X ₂
			H. & C.	Pal. N. Y.	8, pt. 1	289	14	6, "
Chem.	4568 1	"	<i>cayuta</i> Hall.	Geol. N. Y.	4th D.	267	ct. 120	5c
Orisk.	2496 8	"	Eatonina Hall.					
			<i>peculiaris</i> (Con.) Hall.	Pal. N. Y.	3	436	101	2a-c
			" " " "	" " "	3	436	101	2d, e
			H. & C.	" " "	8, pt. 2	206	61	21, 26
			" " " "	" " "	3	436	101	2f, int. v. v.
			" " " "	" " "	3	436	101	2g, v. v. X ₂
			" " " "	" " "	3	436	101 A	1h, "
			H. & C.	St. G. N. Y.	13	....	44	31, "
			" " " "	Pal. N. Y.	8, pt. 2	206	61	19, "
			" " " "	" " "	3	436	101 A	1a, b, f
			H. & C.	St. G. N. Y.	13	....	44	34, int. r. v.
			" " " "	Pal. N. Y.	8, pt. 2	206	61	25, "
			" " " "	" " "	3	436	101 A	1c, d, g
			" " " "	" " "	3	437	101	1, int. r. v.
"	2683 2737 2738 1	Type.	<i>pumila</i> Hall.	" " "	3	437	101	1, int. r. v.
			<i>sinuata</i> Hall.	N. Y. S. M.	10	91		
			" " " "	Pal. N. Y.	3	438	101 A	3-6
			<i>Whitfieldi</i> Hall.	" " "	3	437	101 A	2a, b
Ham.	4567 " "	"	Eunella Hall & Clarke.					
			<i>harmonia</i> Hall.	Pal. N. Y.	4	388	60	11, d. v.
			" " " "	" " "	4	388	60	14-16
			H. & C.	" " "	8, pt. 2	290	80	33, 34
			<i>Lincklaeni</i> Hall.	N. Y. S. M.	13	88	....	....
			" " " "	Pal. N. Y.	4	397	60	49-63
			H. & C.	St. G. N. Y.	13	....	52	30, 31
			" " " "	Pal. N. Y.	8, pt. 2	290	80	28, 29
			" " " "	" " "	4	397	60	64, 65
			H. & C.	" " "	8, pt. 2	290	80	31, 32
"	4568 2 4568 3	"	" " " "	" " "	4	418	60	32-37, 71
			<i>var.</i> Hall.	" " "	8, pt. 2	....	8q	30
			H. & C.	" " "	8, pt. 2	....	8q	30
			" " " "	" " "	8, pt. 2	....	8q	30
U. H.	4201 1	"	<i>simulator</i> Hall.	" " "	4	391	60	69, 70
			H. & C.	St. G. N. Y.	13	....	52	29, enl. X ₂
			" " " "	Pal. N. Y.	8, pt. 2	290	80	27, "
			<i>Goniocelia</i> Hall.					
Ham.	4569 1	Fig'd Sp. and G. T.	Gypidula Hall.					
			<i>comis</i> (Owen) Hall.	Geol. Ia.	1, pt. 2	514	6	2a-c
			" " " "	Pal. N. Y.	4	380	58a	1-5, 8
			H. & C.	St. G. N. Y.	13	847	48	22, enl.
			" " " "	Pal. N. Y.	8, pt. 2	248	72	18-20
			" " " "	" " "	4	380	58a	6, 7
"	4199 1	"	" " " "	" " "	8, pt. 2	248	72	22, 23
			<i>lævis</i> Hall.					
			<i>læviuscula</i> Hall.	Pal. N. Y.	4	381	58	22, 23
			<i>occidentalis</i> Hall.					

LOCALITY.	REMARKS.
.....	As <i>Strophodonta inequistriata</i> .
.....	“ “ “
Moscow, N. Y.	An almost entire individual.
Bristol or Canandaigua Lake, N. Y.	As <i>Strophodonta inequistriata</i> . A ventral valve of medium size.
.....	As <i>Strophodonta inequistriata</i> .
Moscow, N. Y.	A small ventral valve, imbedded.
Near Elmira, N. Y.	As <i>Strophomena interstitialis</i> Phillips. Internal imprint of ventral valve.
Knox, N. Y.	An average individual.
“ “	Entire internal cast.
“ “	Entire internal cast retaining part of ventral valve.
“ “	Entire internal cast.
Cumberland, Md.	Two silicified ventral valves.
“ “	Three silicified dorsal valves.
Knox, N. Y.	Internal imprint ventral valve.
Cumberland, Md.	Three internal casts retaining more or less shell, silicified.
“ “	A silicified ventral valve.
.....	Defined as a subgenus of <i>Cryptonella</i> .
Falls of Ohio River.	As <i>Terebratula harmonia</i> . Int. cast retaining pt. of silicified shell.
.....	“ “ “
Falls of Ohio River.	Silicified individual somewhat broken on margin.
.....	As <i>Terebratula lincklani</i> .
.....	Ref. to <i>Cryptonella</i> (?) in text and to <i>Terebratula</i> in expl. plate.
Delphi Falls, N. Y.	A series of seven individuals.
.....	Ref. to <i>Cryptonella</i> (?) in text and to <i>Terebratula</i> in expl. plate.
Hamilton, N. Y.	A somewhat crushed internal cast.
.....	As <i>Terebratula Lincklani</i> , var.
Thunder Bay, Mich.	Four individuals, two of which have been cut to show the loop.
.....	<i>Cranæna Romingeri</i> is probably identical with this species.
.....	As <i>Terebratula simulator</i> .
Near Columbus, O.	Individual which has been cut to show the loop. Not from the Hamilton group at Widder, Ont., as stated in the books.
.....	Synonym of <i>Pentagonia</i> , q. v.
Independence, Ia.	As <i>Pentamerus occidentalis</i> Hall. Two ventral valves.
.....	As <i>Gypidula occidentalis</i> . Type of genus.
Independence, Ia.	Entire; exfoliated in places.
.....	As <i>Gypidula occidentalis</i> .
Independence, Ia.	Suggested as type of possible new species, <i>Gypidula levis</i> . Slightly imperfect on lower margin.
.....	See <i>Gypidula comis</i> .
Waterloo, Ia.	An individual.
.....	See <i>Gypidula comis</i> .

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Orisk.	2660 1	Fig'd.	Hipparionyx Vanuxem.					
			proximus (<i>Vanux.</i>) Hall.	Pal. N. Y.	3	407	89	1a-4
			" " " "	St. G. N. Y.	2	....	39	34, 35
			H. & C.	" " "	11	....	16	17, 19
"	"	"	" " " "	Pal. N. Y.	8, pt. 1	257	9	34, 35
			Hall.	" " "	3	407	90	1-7
"	"	"	" " " "	" " "	3	407	91	4
			" " " "	" " "	3	482	95A	13, 14
"	2660 5	"	" " " "	St. G. N. Y.	2	....	39	33, int. d. v.
			H. & C.	Pal. N. Y.	8, pt. 1	257	9	33, "
"	"	"	" " " "	Hall.	" " "	3	481	95A
			" " " "	" " "	" " "	" " "	" " "	20, 21
Mar.	4385 1	Type.	Leiorhynchus Hall.					
			dubium Hall.	Pal. N. Y.	4	364	56	22-25
Chem.	4570 1	Fig'd.	" " " "	H. & C.	8, pt. 2	....	59	6, 7
			globuliforme (<i>Vanux.</i>) H.	" " "	4	364	57	26, int. d. v.
Ham.	4571 1	Type.	Kelloggi Hall.	" " "	4	361	57	1-12
			" " " "	H. & C.	8, pt. 2	194	59	18-20
Mar.	4383 1	Fig'd.	limitare (<i>Vanux.</i>) Hall.	" " "	4	356	56	6-9
			" " " "	" " "	4	356	56	15-19
"	"	"	" " " "	H. & C.	St. G. N. Y.	13	....	43
			" " " "	Pal. N. Y.	8, pt. 2	194	59	3-5
Chem.	4572 1	Type.	mesacostale Hall.	Geol. N. Y.	4th D.	....	t. 67	1b, v. v.
			" " " "	N. Y. S. M.	13	86	....	1b, "
"	4572 2	"	" " " "	Pal. N. Y.	4	362	57	19, "
			H. & C.	8, pt. 2	194	59	11, "	"
"	4572 3	"	" " " "	Hall.	" " "	4	362	57
			" " " "	" " "	4	362	57	18, 20, 22
"	4572 4	"	" " " "	" " "	4	362	57	21, d. v.
			" " " "	" " "	4	362	57	23, 25
"	4572 5	"	" " " "	H. & C.	St. G. N. Y.	13	....	43
			" " " "	Pal. N. Y.	8, pt. 2	194	59	21, int. d. v.
"	4572 6	"	" " " "	Geol. N. Y.	4th D.	....	t. 67	12, "
			" " " "	N. Y. S. M.	13	86	....	1
Ham.	4573 1	"	" " " "	Pal. N. Y.	4	362	57	24, v. v.
			multicosta Hall.	N. Y. S. M.	13	85	....	"
"	4573 2	"	" " " "	Pal. N. Y.	4	358	56	26, 27
			H. & C.	8, pt. 2	194	59	9, d. v.	"
"	4573 3	"	" " " "	Hall.	" " "	4	358	56
			H. & C.	8, pt. 2	194	59	8, v. v.	"
"	4573 4	"	" " " "	Hall.	" " "	4	358	56
			" " " "	" " "	4	358	56	33, d. v.
"	4573 5	"	" " " "	" " "	4	358	56	34, 35
			" " " "	" " "	4	358	56	36-40
"	4573 6	"	" " " "	" " "	4	358	63	26-29
			" " " "	" " "	4	357	56	1-5
Mar.	4384	"	mysia Hall.	" " "	4	357	56	26, 27
Chem.	4574 1	"	Newberryi H. & W.	N. Y. S. M.	23	240	11	38, card.
			" " " "	H. & C.	8, pt. 2	194	59	44-46
Gen.	4575 1	Fig'd Sp. and G. T.	quadricostatum (<i>Van.</i>) H.	" " "	4	357	56	22, int. d. v.
			" " " "	H. & C.	8, pt. 2	193	59	47, 49
"	4575 2	"	" " " "	Hall.	" " "	4	357	56
			" " " "	H. & C.	St. G. N. Y.	13	827	43
Chem.	4576 1	Type.	" " " "	Pal. N. Y.	8, pt. 2	193	69	21, "
			sinuatum Hall.	" " "	4	362	57	13-17
U. H.	1520 33	Fig'd.	Leptæna Dalman.					
			rhomboidalis (<i>Wilck.</i>) H.	" " "	4	76	12	17, v. v.
			" " " "	St. G. N. Y.	2	....	38	28, "
			H. & C.	Pal. N. Y.	8, pt. 1	279	8	28, "

LOCALITY.	REMARKS.
.....	As type of <i>Orthis hipparionyx</i> Hall. As <i>Streptorhynchus hipparionyx</i> .
Knox, N. Y. " " " "	Three internal casts of dorsal valve and two of ventral. As type of <i>Orthis hipparionyx</i> Hall. Internal casts of one dorsal and four ventral valves. One of the latter retains some shell. Figure 5 was made from a gutta percha squeeze. As type of <i>Orthis hipparionyx</i> Hall. Cast retaining some shell. As type of <i>Strophodonta intermedia</i> Hall.
Cumberland, Md. " "	As type of <i>Streptorhynchus hipparionyx</i> Hall. A silicified dorsal valve. As type of <i>Orthis cumberlandia</i> . Two silicified ventral valves. Spelled <i>Liorhynchus</i> in Pal. N. Y., vol. 8, pt. 2.
Schoharie Co. (?), N. Y. Cortland, N. Y.	Two somewhat exfoliated individuals. Internal cast of dorsal valve.
Northern Ohio. Schoharie Co., N. Y.	Four exfoliated individuals and an internal cast. Two small individuals.
" "	A large individual. As <i>Atrypa mesacostalis</i> .
Steuben Co., N. Y. Near Ithaca, N. Y. Cortland, N. Y.	Cast of ventral valve from the southern part of the county. Three casts imbedded separately. Internal cast of dorsal valve, imbedded.
Tompkins Co., N. Y. Near Ithaca, N. Y. Chenango Co. (?), N. Y.	Internal casts of a dorsal and a ventral valve. As <i>Atrypa mesacostalis</i> . Imperfect cast of large ventral valve from Fall Creek. Internal cast of ventral valve retaining shell at beak.
Summit, N. Y.	Two casts of dorsal valve in blocks with many others. Schoharie Co.
Moscow, N. Y.	A dorsal and two ventral valves, somewhat exfoliated, imbedded separately.
Owasco Lake, N. Y. Widder, Ont. Bosanquet, Ont. Richmondville, N. Y. Schoharie Co., N. Y.	A much exfoliated dorsal valve, imbedded. A young individual of elongate form. Large individual, somewhat exfoliated. Internal cast. Three individuals.
Kelloggsville, O.	Exfoliated ventral valve and vertically crushed int. cast of individ.
Seneca Co., N. Y.	Two int. casts and a dorsal valve, imbed. From Big Stream Creek.
Cayuga Lake, N. Y. Ithaca, N. Y.	Two crushed internal casts, imbedded. From east shore of lake. Three partly exfoliated individuals. As <i>Strophomena rhomboidalis</i> .
Near Buffalo, N. Y.	An exfoliated 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.
U. H. Orisk.	1520 30 2102 2665	Fig'd Type.	Leptæna Dalman—Cont. rhomboidalis (Wilck.) H. " var. ventricosa H. " " " " "	Pal. N. Y. " " N. Y. S. M. Pal. N. Y.	4 3 10 3	76 417 55 417	12 94 94	18, int. v. v. 2e, f 3, int. v. v.
Orisk.	2740 2739 1	Type.	Leptocœlia Hall. acutiplicata..... dichotoma.....Hall. fimbriata.....Hall. " " " " H. & C. " "	Pal. N. Y. " " " " " " St. G. N. Y. Pal. N. Y.	3 3 3 3 13 8, pt. 2	452 450 452 137	103 B 103 B 39 53	3a-c 2a-d 3 23, d. v. 47, 50
"	"	"	"Hall. H. & C.	" " St. G. N. Y.	3 13	450	103 B 39	2e-g† 24, int. d. v.
"	2673 4	Fig'd Sp. and G. T.	flabellites (Con.)....Hall.	Pal. N. Y. N. Y. S. M. Pal. N. Y.	8, pt. 2 10 3	137 108 449	53 103 B	52, 1a-c
"	"	"	H. & C. " " " " H. & C.	St. G. N. Y. Pal. N. Y. " " St. G. N. Y.	13 8, pt. 2 3 13	804 136 449 452	39 53 103 B	18-20 40-42 1e, f 1, 2
"	2673 2673 1	"	" "Hall. " " H. & C.	Pal. N. Y. " " St. G. N. Y.	8, pt. 2 3 13	136 449 804	53 106 39	43, 1a-d 22, int. d. v.
"	2673 1	"	" "Hall. " " propria.....	Pal. N. Y. " " " "	3 3 3	449 449 449	106 106	1e, f
Ham.	3577 1	Type.	Leptostrophia H. & C. junia.....Hall.	Pal. N. Y. " " N. Y. S. M.	4 10 10	423 141 108	 18	 3a, ext.
Orisk.	2663 1	Gen. and Sp. Type.	magnifica.....Hall.	Pal. N. Y. N. Y. S. M.	3 4	414 414	93 94	4, int. v. v. 2c, d
"	2663 1	"	" " " " " "	" " " " " "	3 3 3	414 482 482	94 95A 95A	15, 16 17-19
"	2663 1	"	" " " " " "	" " " " St. G. N. Y.	3 2 11	482 281	95A 44 15	17-19 28, int. 4,
U. H.	2824 8	Fig'd.	perplana (Con.)....Hall.	Pal. N. Y. " "	8, pt. 1 4	288 92	13 12	28, 15,
Ham.	2823 9	"	" " " " " "	" " " " H. & C.	4 8, pt. 1 10	98 288 143	17 15	1a, h 7, int. v. v.
"	2824 10	"	" " " " " "	N. Y. S. M. Pal. N. Y. St. G. N. Y.	10 4 2	143 98	 17 46	 1b, d 3, ext. v. v.
"	2824 11	"	" " " " " "	H. & C. " " Pal. N. Y.	11 8, pt. 1 4	 288 98	15 15 17	1, 3, 1c,
"	2824 12	"	" " " " " "	H. & C. " " " "	11 8, pt. 1 4	 288 98	15 15 17	1, 3, 11, int. v. v.
"	2824 9	"	" " " " " "	Geol. Ia. Pal. N. Y.	1, pt. 2 8, pt. 1	496	3 15	6a-c 8, int. d. v.
Chem.	2824 13	Type.	" var. nervosa Hall.	Geol. N. Y. Pal. N. Y. St. G. N. Y.	4th D. 4 2	266 113	ct 120 19 46	1, 1a 14, int. v. v. 17,
"	"	"	H. & C.	Pal. N. Y.	8, pt. 1	.....	15	17,

LOCALITY.	REMARKS.
Stafford, N. Y.	As <i>Strophomena rhomboidalis</i> . Int. cast ventr. valve w. some shell.
Knox, N. Y.	" " <i>rugosa</i> var. <i>ventricosa</i> . Internal cast dorsal valve.
Schoharie, N. Y.	" " <i>depressa</i> var. <i>ventricosa</i> . Internal cast of ventral valve, not entire.
Cumberland, Md.	See <i>Celospira acutiplicata</i> . A silicified individual.
" "	Three silicified individuals. In the last reference the figures are enlargements to two, not three, diameters.
" "	Two opposite valves, silicified. As types of <i>Leptocalia propria</i> H., and thus throughout this species. Genus established.
Near Cumberland, Md.	Two silicified individuals from 5 miles below the city.
" " "	Two opposite valves, silicified, from preceding locality. An entire individual and an imbedded dorsal valve. An imbedded dorsal valve and the internal cast of another. See <i>Leptocalia flabellites</i> .
Schoharie, N. Y.	Defined by Hall & Clarke as a subgenus of <i>Stropheodonta</i> . Specific name given in the list of corrigenda.
Knox, N. Y.	As <i>Strophomena (Strophodonta) textilis</i> . A large ventral valve imbedded.
York, N. Y.	As <i>Strophomena (Strophodonta) magnifica</i> . As <i>Strophodonta magnifica</i> . Internal cast of large ventral valve.
Schoharie, N. Y.	" " " Very perf. int. casts of two dors. valves.
Knox, N. Y.	" " " Two silicified individuals.
Cumberland, Md.	" " "
Cumberland, Md.	Two silicified ventral valves.
Southern Indiana.	As <i>Strophodonta perplana</i> . Internal cast ventral valve. External imprint of same is present.
Rock Island, Ill.	As <i>Strophodonta perplana</i> . Two ventral valves. The larger lacks its beak. As type of <i>Strophomena (Strophodonta) fragilis</i> Hall. As <i>Strophodonta perplana</i> .
18 Mile Creek, N. Y.	Two opposite valves, imbedded separately.
Covington, N. Y.	As <i>Strophodonta perplana</i> . Ventral valve imbedded.
Baileytown, N. Y.	" " " Internal cast of ventral valve. Locality is on Seneca lake.
Rock Island, Ill.	As type of <i>Strophodonta fragilis</i> Hall. Two dorsal valves. As type of <i>Strophomena nervosa</i> . As <i>Strophodonta perplana</i> var. <i>nervosa</i> .
Steuben Co., N. Y.	Internal cast ventral valve, from 4 miles north of Bath.

LOCALITY.	REMARKS.
.....	As <i>Strophodonta perplana</i> var. <i>nervosa</i> .
.....	" " " " " "
Painted Post, N. Y.	Part of a large ventral valve, imbedded.
Near Blossburg, Pa.	As <i>Strophodonta perplana</i> var. <i>nervosa</i> . Part of an internal cast.
Ithaca, N. Y.	" " " " " " Internal cast of ventral valve.
.....	See <i>Dignomia alveata</i> .
Summit, N. Y.	Two opposite valves imbedded together. Schoharie county.
Ontario Co., N. Y.	Int. cast dorsal (?) valve and the shell. From "Lapham's Mill."
.....	See <i>Lingulodiscina exilis</i> .
North Bristol, N. Y.	Exfoliated ventral valve, imbedded. Referred to genus <i>Glossina</i> by Schuchert, Syn. Am. Foss. Brach., p. 224.
Seneca Lake, N. Y.	Two valves on same block.
Moscow, N. Y.	Cast of ventral (?) valve retaining some shell.
Delaware Co., O.	A single valve, imbedded.
.....	See <i>Lingulella paliformis</i> .
Seneca Lake, N. Y.	Imbedded. From Big Stream Point.
.....	As <i>Lingula palæformis</i> .
Pine Valley, N. Y.	" " " " " " Exfoliated ventral (?) valve, imbedded.
.....	Found loose.
.....	As <i>Lingula exilis</i> .
Fultonham, N. Y.	Individual attached to a <i>Modiomorpha concentrica</i> .
" " " "	Four individuals, two of which are imbedded.
Hamilton, N. Y.	As types of <i>Discina doria</i> . Group of 4 indiv. on a <i>Pleurotomaria</i> .
.....	See <i>Leiorhynchus</i> .
.....	This form of the name was introduced by Oehlert in 1887.
.....	As <i>Meganteris ovalis</i> .
Schoharie, N. Y.	As <i>Rensseleria ovalis</i> . A much exfoliated individual.
.....	" " " " " "
Schoharie, N. Y.	Three entire internal casts and two imperfect ones.
" " " "	As <i>Rensseleria ovalis</i> . Internal cast of ventral valve.
.....	See <i>Megalanteris</i> .
.....	" <i>Rensseleria cumberlandia</i> .
.....	" <i>Megalanteris ovalis</i> .
.....	" <i>Rensseleria ovoides</i> .
.....	" <i>Beachia Suessana</i> .
.....	See <i>Meristella lata</i> .
Near LeRoy, N. Y.	Eight somewhat exfoliated individuals.
" " " "	Two internal casts of individuals.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Meristella Hall—Cont.					
U. H.	<u>3071</u> 1	Type.	doris. Hall.	N. Y. S. M.	13	84		
			" " " " " "	Pal. N. Y.	4	303	50	3-10
"	"	"	" " " " " "	H. & C.	8, pt. 2	78	43	21, 22
"	"	"	" " " " " "	Hall.	4	303	50	12
			<i>classa</i>					
Ham.	<u>4585</u> 1	Type.	Haskinsi Hall.	N. Y. S. M.	13	84		
			" " " " " "	Pal. N. Y.	4	306	49	35
Orisk.	<u>3671</u> 1	"	lata. Hall.	" "	3	431	101	3a-f
"	"	"	" " " " " "	" "	3	431	101	3g-m
			<i>meta</i>	Hall.	"	4	308	49
			" " " " " "	H. & C.	8, pt. 2	78	43	29, 30
U. H.	<u>2834</u> 7	Fig'd.	nasuta (Con.) Hall.	N. Y. S. M.	15	160	3	17-20
			" " " " " "	Pal. N. Y.	4	209	48	7-14
			" " " " " "	H. & C.	8, pt. 2	78	43	18 d. v.
Scho.	<u>2834</u> 9	"	" " " " " "	Hall.	4	299	48	4, int. v. v.
U. H.	<u>2834</u> 9	"	" " " " " "	" "	4	299	48	18, "
			" " " " " "	H. & C.	8, pt. 2	78	44	21, "
			" " " " " "	Hall.	4	299	48	19, int.
			" " " " " "	H. & C.	8, pt. 2	78	44	20, "
Scho.	<u>2834</u> 8	"	" " " " " "	Hall.	N. Y. S. M.	14	100	
			" " " " " "	" "	15	160	3	21, 22
			" " " " " "	Pal. N. Y.	4	299	48	23-25
			" " " " " "	H. & C.	St. G. N. Y.	13	34	8, 9
			" " " " " "	Pal. N. Y.	8, pt. 2	78	43	19, 20
			<i>unisulcata</i>					
			Metaplasia H. & C.					
Orisk.	<u>2670</u> 3	Gen. and Sp. Type.	pyxidata. Hall.	Pal. N. Y.	3	428	100	9a-10
			" " " " " "	H. & C.	8, pt. 2	56		
"	<u>2670</u> 1	"	" " " " " "	Hall.	"	3	428	100
			" " " " " "	"				12, int. d. v.
			Newberria Hall.					
Ham.	<u>4586</u> 1	"	johannis. Hall.	" "	4	385	58a	9-15
			" " " " " "	Can. Pal.	1	236		
			" " " " " "	St. G. N. Y.	10	94	6	1, 5-9
			" " " " " "	Pal. N. Y.	8, pt. 2	262	78	14-16
			" " " " " "	H. & C.	4	385	58a	18, ext. v. v.
			" " " " " "	Hall.	4	385	58a	4, "
			" " " " " "	St. G. N. Y.	10	94	6	3, "
			" " " " " "	Pal. N. Y.	4	385	58a	20, int. v. v.
			" " " " " "	St. G. N. Y.	10	94	6	3, "
			" " " " " "	H. & C.	13	853	51	17, "
			" " " " " "	Pal. N. Y.	8, pt. 2	262	78	10, "
			Nucleospira Hall.					
"	<u>4587</u> 1	Type.	concinna. Hall.	Geol. N. Y.	4th D.	200	ct. 80	3
			" " " " " "	Pal. N. Y.	4	279	45	42-46
			" " " " " "	St. G. N. Y.	13	38		31, 34
			" " " " " "	H. & C.	8, pt. 2	145	48	13-16
			" " " " " "	Pal. N. Y.	4	279	45	36, d. v.
"	<u>4587</u> 9	"	" " " " " "	Hall.	4	279	45	38-41, 58
"	<u>4587</u> 9	"	" " " " " "	" "	4	279	45	30, d. v.
			" " " " " "	H. & C.	St. G. N. Y.	13	38	12, 25
			" " " " " "	Pal. N. Y.	8, pt. 2	145	48	47-49
"	<u>4587</u> 4	"	" " " " " "	Hall.	4	279	45	35
			" " " " " "	H. & C.	St. G. N. Y.	13	38	30, 31
			" " " " " "	Pal. N. Y.	8, pt. 2	145	48	

LOCALITY.	REMARKS.
Nr. Williamsville, N. Y.	Four exfoliated individuals from Young's quarry.
" " "	Upper half of an internal cast from Young's quarry.
.....	See <i>Meristella nasuta</i> .
18 Mile Creek, N. Y.	Internal cast of ventral valve.
Knox, N. Y.	As <i>Merista lata</i> . An imbedded ventral valve and two individuals.
" "	One of the latter is much exfoliated.
" "	As <i>Merista lata</i> . Two internal casts of individuals and one of ventral valve.
Delphi, N. Y.	An entire adult.
Williamsville, N. Y.	Five more or less exfoliated individuals.
Albany Co., N. Y.	Internal cast of ventral valve, imbedded.
Near Delaware, O.	A somewhat broken ventral valve.
Near Columbus, O.	Etched specimen. Has been broken since figure was made.
.....	As type of <i>Meristella elissa</i> Hall.
.....	Somewhat doubtfully referred to <i>M. nasuta</i> .
Albany Co., N. Y.	A large, partly exfoliated individual.
.....	See <i>Pentagonia unisulcata</i> .
.....	As <i>Spirifer pyxidatus</i> .
Cumberland, Md.	Genus <i>Metaplasia</i> established. An individual and two ventral valves, silicified.
Schoharie, N. Y.	As <i>Spirifer pyxidatus</i> . Internal cast of dorsal valve.
.....	As <i>Rensseleria</i> (?) <i>johanni</i> .
.....	Gen. <i>Newberria</i> proposed by Prof. Hall in a letter to J. F. Whiteaves.
Waterloo, Iowa.	Four more or less crushed and exfoliated individuals.
.....	As <i>Rensseleria</i> (?) <i>johanni</i> .
Waterloo, Iowa.	A broad ventral valve, imbedded.
.....	As <i>Rensseleria</i> (?) <i>johanni</i> .
Waterloo, Iowa.	Upper portion of individual showing cast of ventral valve.
.....	As <i>Atrypa concinna</i> .
Moscow, N. Y.	A normal individual which has lost the surface spines.
Canandaigua L., N. Y.	Entire individual.
York, N. Y.	Three individuals, two of which retain parts of the spinulose surface.
Genesee Co., N. Y.	A well-preserved dorsal valve.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	4587	Type.	Nucleospira Hall—Cont.					
	5		concinna Hall.	Pal. N. Y.	4	279	45	50, 51
			" " " " " H. & C.	St. G. N. Y.	13	....	38	33, enl. X 5
	4587	"	" " " " " Hall.	Pal. N. Y.	8, pt. 2	145	48	17, 32
	6	"	" " " " " " "	" " "	4	279	45	52
"	4587	"	" " " " " " "	" " "	4	279	45	54, int. v. v.
	7	"	" " " " " " "	" " "	4	279	45	55, " d. r.
Chem.	4588	Type.	Orbicula Cuvier.					
	1		lodensis					
			minuta					
			Orbiculoidea d'Orbigny.					
	4588		allegbania Hall.	N. Y. S. M.	13	77	....	1, 1a
Orisk.	4587	"	" " " " " " "	Pal. N. Y.	4	25	1	17a, b
	1		ampla Hall.	" " "	4	17	....	....
Ham.	4589	"	" " " " " " "	" " "	3	406	92	1a, c, d
	1		doria Hall.	" " "	4	19	2	21, enl. X 2
Chem.	4590	"	elmira Hall.	" " "	4	24	2	38, 39
	4591	Fig'd.	lodensis (Vanux.) . . Hall.	" " "	4	22	1	14a, e
Ham.	4591	"	" " " " " " "	" " "	4	22	1	14b, d, v.
	3		" " " " " " "	" " "	4	22	1	14d, f
Chem.	4592	Type.	media Hall.	" " "	4	20	2	28, v. v.
	1		" " " " " H. & C.	St. G. N. Y.	11	....	5	13, " "
Mar.	4573	"	" " " " " " "	Pal. N. Y.	8, pt. 1	125	4E	16, " "
	1		minuta Hall.	Geol. N. Y.	4th D.	182	ct. 71	9
Ham.	4593	"	" " " " " " "	Pal. N. Y.	4	16	1	16a, b
	4594	"	seneca Hall.	" " "	4	20	2	23, 24
Gen.	4594	"	truncata Hall.	" " "	4	23	1	15a, b
	1		Orthis Dalman.					
			aquivalvis	N. Y. S. M.	10	109	....	....
			carinata					
			cleobis					
			cumberlandiæ					
			cyclas					
			eboracensis					
			eryna					
			hipparionyx					
			idas					
			impressa					
			interlineata					
			iowensis					
			" var. furnarius					
			lenticularis					
			leonensis					
			lepida					
			leucosia					
			musculosa					
			nucleus					
			penelope					
			perversa					
			planoconvexa					
			præumbona					
			propingua					
			suborbicularis					
			subumbona					

LOCALITY.	REMARKS.
Darien, N. Y. Genesee Co., N. Y. Hardy Co., Va. Near Apulia, N. Y.	An entire ventral valve. Individual with dorsal valve removed to show the spires. Internal cast of conjoined valves. " " " " " "
.....	See <i>Orbiculoidea lodensis</i> .
.....	" " <i>minuta</i> .
.....	As <i>Discina alleghania</i> .
Nr. Belvidere, N. Y.	" " " " Very perfect dorsal valve, imbedded.
.....	" " <i>ampla</i> , in foot-note.
Knox, N. Y.	" " <i>grandis</i> Vanuxem. External imprint of a dorsal valve
.....	and the internal cast of both valves of the same individual.
Seneca Lake, N. Y.	As <i>Discina doria</i> . An upper valve, imbedded. Fr. the "East shore."
.....	See also <i>Lingulodiscina exilis</i> .
Nr. Wellsborough, Pa.	As <i>Discina elmira</i> . Imbedded cast with apex worn off.
Near Lodi, N. Y.	" " <i>lodensis</i> . Opposite valves, imbedded separately.
Seneca Lake, N. Y.	" " " " Imprint of dorsal valve. The associated
" " " "	fossils show the specimen to be from the Hamilton bed.
.....	As <i>Discina lodensis</i> . Two ventral valves, imbedded. From Big
.....	Stream Point.
.....	As <i>Discina media</i> .
Troupsburg, N. Y.	Internal cast of ventral valve retaining some shell.
.....	As <i>Orbicula minuta</i> .
Avon, N. Y.	" <i>Discina</i> " " Dorsal valve, imbedded.
Seneca Lake, N. Y.	" " <i>seneca</i> . Dorsal valve, imbedded. From near Lodi.
" " " "	" " <i>truncata</i> . Dorsal valve, imbedded.
.....	See <i>Rhipidomella eryna</i> .
.....	" <i>Schizophoria carinata</i> .
.....	" <i>Rhipidomella cleobis</i> .
.....	" <i>Hipparionyx proximus</i> .
.....	" <i>Rhipidomella cyclas</i> .
.....	" <i>Dalmanella lentiformis</i> , remark.
.....	" <i>Rhipidomella eryna</i> .
.....	" <i>Hipparionyx proximus</i> .
.....	" <i>Rhipidomella eryna</i> .
.....	" <i>Schizophoria impressa</i> .
.....	" " <i>interlineata</i> and <i>S. tioga</i> .
.....	" " <i>iovensis</i> .
.....	" " " " var. <i>furnarius</i> .
.....	" <i>Dalmanella lenticularis</i> .
.....	" " <i>leonensis</i> .
.....	" " <i>lepida</i> .
.....	" <i>Rhipidomella leucosia</i> .
.....	" " <i>musculosa</i> .
.....	" <i>Ambocelia umbonata</i> .
.....	" <i>Rhipidomella penelope</i> and <i>R. leucosia</i> .
.....	" <i>Orthothes chemungensis</i> , var. <i>perversus</i> .
.....	" <i>Dalmanella planoconvexa</i> .
.....	" <i>Ambocelia praeumbona</i> .
.....	" <i>Schizophoria propinqua</i> and <i>S. impressa</i> .
.....	" <i>Rhipidomella suborbicularis</i> .
.....	" <i>Spirifer subumbona</i> .

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Port.	4595 1	Type.	Orthis Dalman—Continued.					
			tenuistriata Hall.	Geol. N. Y.	4th D.	246	ct. 107	3
			tioga					
			tulliensis					
			unguiculus					
			Vanuxemi	Pal. N. Y.	4	39	5	5a, b
			sp.					
Chem.	4596 1	Fig'd.	Orthothetes Fischer.					
			chemungensis (Con.) Hall.	Pal. N. Y.	4	67	10	2, 3
			" " "	" "	4	67	10	4, 5
			" " "	Geol. N. Y.	4th D.	266	ct. 120	2, v. v.
			" " "	" " "	4th D.	266	ct. 120	4, d. v.
			" " "	Pal. N. Y.	4	67	10	6, 6a
			" " "	" " "	4	67	10	11-17
			" " "	St. G. N. Y.	2	40		9, card.
			H. & C.	" " "	11	16		9, "
			" " "	Pal. N. Y.	8, pt. 1	255	10	9, "
			" var. arctostriatus H.	Geol. N. Y.	4th D.	266	ct. 120	3
			" " " "	Pal. N. Y.	4	67	10	7
			" " " "	" " "	4	71	9	3-5, 8, 9
			" " " "	" " "	4	71	9	12, r. v. X 2
			" " " "	St. G. N. Y.	2	40		8, "
U. H.	2816a 4	Fig'd.	H. & C.	Pal. N. Y.	8, pt. 1	10		8, "
			" " pandora (Bill.) H.	" " "	4	68	9	24, int. d. v.
			" " " "	" " "	4	68	9	25, int. v. v.
			" " " "	St. G. N. Y.	2	40		6, "
			H. & C.	Pal. N. Y.	8, pt. 1	255	10	6, "
			" " perversus Hall.	N. Y. S. M.	10	137		.....
			" " " "	Pal. N. Y.	4	72	9	15, ext. v. v.
			" " " "	" " "	4	72	9	26, ext. d. v.
			Parazyga Hall & Clarke.					
			hirsuta Hall.	N. Y. S. M.	10	168		.....
Ham.	4598 1	Gen. and Sp. Type.	" " "	" " "	14	101		.....
			" " "	Pal. N. Y.	4	274	45	17, 18
			" " "	" " "	4	274	45	16, d. v.
			" " "	" " "	4	274	45	19, 20, 30-32
			H. & C.	St. G. N. Y.	13	801	38	14, 16
			" " "	Pal. N. Y.	8, pt. 2	128	39	34, 39
			" " "	" " "	4	274	45	28, 29
			H. & C.	St. G. N. Y.	13	801	38	15, int. d. v.
			" " "	Pal. N. Y.	8, pt. 2	128	49	35, 37
			Pentagonia Cozzens.					
U. H.	8072 5	Fig'd.	unisulcata (Con.) . . Hall.	" " "	4	309	50	18-20, 22, 23
			" " "	" " "	4	309	50	25-29
			H. & C.	St. G. N. Y.	13	....	34	15-17
			" " "	Pal. N. Y.	8, pt. 2	....	42	22-24
Ham.	8072 4	"	" " " Hall.	" " "	4	309	50	30-32

LOCALITY.	REMARKS.
Lake Keuka, N. Y.	Not an <i>Orthis</i> , but it is uncertain what it is. Cast of valve from 6 miles south of Branchport.
.....	See <i>Schizophoria tioga</i> .
.....	" " <i>tulliensis</i> .
.....	" <i>Ambocalia umbonata</i> , var. <i>gregaria</i> .
.....	" <i>Rhipidomella Vanuxemi</i> .
.....	" " " "
.....	Synonym of <i>Clitambonites</i> .
.....	See <i>Orthothes chemungensis</i> , var. <i>arctostriatus</i> .
Leon, N. Y.	As <i>Streptorhynchus chemungense</i> . Two imprints in block with original of fig. 4, same plate.
" "	As <i>Streptorhynchus chemungense</i> . Imprints of the exterior and interior of a dorsal valve.
Naples, N. Y.	As type of <i>Strophomena bifurcata</i> Hall. Imprint in block with others. From "Woodford's quarry."
.....	As type of <i>Strophomena pectinacea</i> Hall.
Rockville, N. Y.	" <i>Streptorhynchus chemungense</i> . Internal cast of dorsal valve retaining some shell. Allegany county.
.....	As <i>Streptorhynchus chemungense</i> .
.....	" " " "
Near Tioga, Pa.	Four individuals.
.....	As <i>Strophomena arctostriata</i> .
Hobbieville, N. Y.	" <i>Streptorhynchus chemungense</i> . Exfoliated ventral valve, imb.
Pavilion, N. Y.	" " var. <i>arctostriatum</i> . Two dorsal valves and a flattened individual.
.....	As <i>Streptorhynchus chemungense</i> , var. <i>arctostriatum</i> .
.....	" " " "
Near Apulia, N. Y.	Internal cast imbedded with many others.
Williamsville, N. Y.	As <i>Streptorhynchus chemungense</i> , var. <i>pandora</i> . Int. cast dors. valve.
.....	" " " " " "
The Helderbergs, N. Y.	Internal cast of ventral valve.
.....	As <i>Orthis perversa</i> .
Williamsville, N. Y.	" <i>Streptorhynchus chemungense</i> , var. <i>perversum</i> . Ventr. valve, imb.
Clarence, N. Y.	" " " " " Dors. valve, imb.
.....	" <i>Atrypa hirsuta</i> . Reference applies to all New York specimens.
.....	" <i>Trematospira hirsuta</i> .
York, N. Y.	" " " Two entire individuals.
Louisville, Ky.	" " " Entire individual.
.....	" " " " " "
Darien, N. Y.	" " " Two small indivs., a ventr. valve showing internal characters and an indiv. with shell cut away to show spires.
.....	As <i>Trematospira hirsuta</i> .
Hamilton, N. Y.	A detached dorsal valve.
Schoharie, N. Y.	As <i>Meristella (Pentagonia) unisulcata</i> . Two exfoliated individuals.
.....	" " " " " "
Western New York.	A large, exfoliated individual.
Falls of Ohio River.	As <i>Meristella (Pentagonia) unisulcata</i> . Individual, nearly entire. In the 14th Rept. N. Y. S. M., p. 101, this species (the name of which was erroneously given as <i>uniangulata</i>) was made the type of the proposed subgen., <i>Goniocalia</i> , wh. proved to be a syn. of <i>Pentagonia</i> .

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Pentamerella Hall.					
Scho.	2837	Fig'd Sp.	<i>arata</i> (Con.) Hall.	Pal. N. Y.	4	375	58	I-4
"	2837	"	" " " " " "	" " "	4	375	58	9, 11, 12
U. H.	2837	"	" " " " " "	" " "	4	375	58	13-16
"	2837	"	" " " " " "	" " "	4	375	58	17, 18
			H. & C.	St. G. N. Y.	13	....	48	9, 10
			" " " " " "	Pal. N. Y.	8, pt. 2	245	71	28, 29
"	2837	"	" " " " " "	" " "	4	375	58	19, d. v.
"	2837	"	" " " " " "	" " "	4	375	58	20, 21
Ham.	4309	Type.	<i>dubia</i> Hall.	N. Y. S. M.	13	90	....	....
			H. & C.	Pal. N. Y.	4	379	58	38-43
			" " " " " "	" " "	8, pt. 2	245	71	32, 33
Ham.?	4309	"	<i>micula</i> Hall.	" " "	4	378	58	26, 27
U. H.	4309	"	<i>obsolescens</i> Hall.	" " "	4	379	58	24, 25
			<i>papilionensis</i>					
Ham.	4301	"	<i>pavilionensis</i> Hall.	N. Y. S. M.	13	86	....	....
			" " " " " "	Pal. N. Y.	4	377	58	29, 31-34, 37
			Pentamerus Sowerby.					
			<i>occidentalis</i>					
			<i>papilionensis</i>					
			Pholidops Hall.					
Orisk.	2658	Type.	<i>arenaria</i> Hall.	Pal. N. Y.	4	413	3	3
			H. & C.	" " "	8, pt. 1	....	41	24
Scho.	2812	"	<i>areolata</i> Hall.	" " "	4	31	3	4
			H. & C.	St. G. N. Y.	11	....	7	20
"	2812	"	" " " " " "	Pal. N. Y.	8, pt. 1	....	41	26
"	2812	"	" " " " " "	" " "	4	31	3	5
			H. & C.	St. G. N. Y.	11	....	7	21
Ham.	4602	"	<i>hamiltoniae</i> Hall.	Pal. N. Y.	8, pt. 1	....	41	25
			" " " " " "	N. Y. S. M.	13	92	....	....
			" " " " " "	Pal. N. Y.	4	32	3	7, 8
Orisk.	2729	"	<i>terminalis</i> Hall.	" " "	3	490	103B	8a-d
			Pholidostrophia H. & C.					
Ham.	4603	Gen. and Sp. Type	<i>nacrea</i> Hall.	N. Y. S. M.	10	144	....	....
			" " " " " "	Pal. N. Y.	4	104	18	1b-e
			" " " " " "	St. G. N. Y.	2	....	46	20-22
			H. & C.	" " "	11	281	14	11, ext. v. v.
			" " " " " "	Pal. N. Y.	8, pt. 1	287	15	20-22
"	4603	"	" " " " " "	" " "	4	104	18	1g, int.
			" " " " " "	St. G. N. Y.	2	....	46	24, "
			H. & C.	" " "	11	281	14	12, "
			" " " " " "	Pal. N. Y.	8, pt. 1	287	15	24, "
"	4603	"	" " " " " "	" " "	4	104	18	1h, "
			" " " " " "	St. G. N. Y.	2	....	46	23, "
			H. & C.	" " "	11	281	14	13, "
			" " " " " "	Pal. N. Y.	8, pt. 1	287	15	23, "
			Plethorhynchus H. & C.					

LOCALITY.	REMARKS.
Schoharie, N. Y. Clarksville, N. Y. Schoharie Co., N. Y.	Two small individuals. Internal cast of dorsal valve and an old exfoliated ventral valve. An entire individual.
Albany Co., N. Y. Falls of Ohio River. Waterloo, Iowa.	Two somewhat imperfect opposite valves which have been dissolved out of the limestone. Silicified. Entire internal siliceous cast. Small individual. As <i>Spirifer dubius</i> .
Near Iowa City, Iowa. " " " " " " " " Waterloo, Iowa.	Two individuals, the larger one somewhat exfoliated. A dorsal valve. A ventral valve. See <i>Pentamerella pavilionensis</i> . As <i>Pentamerus papilionensis</i> . This spelling of the specific name was due to typographical error.
Canandaigua L., N. Y.	Two exfoliated individuals and a ventral valve. See <i>Gypidula comis</i> . " <i>Pentamerella pavilionensis</i> .
Knox, N. Y. " " " " " " " "	Internal imprint of dorsal (?) valve. Figures are enlargements to three diameters. Six other casts are in the series. Internal imprint of dorsal (?) valve.
Near Clarksville, N. Y. " " " " " " " "	" " " " ventral (?) "
Darien, N. Y. Cumberland, Md.	A detached dorsal (?) valve and the imprint of another. Figures are enlargements to eight diameters. An individual (?) and two detached valves. Defined as a subgenus of <i>Strophodonta</i> . As <i>Strophomena</i> (<i>Strophodonta</i>) <i>nacrea</i> . " <i>Strophodonta nacrea</i> . " " " "
Darien, N. Y.	Two entire individuals. As <i>Strophodonta nacrea</i> . " " " "
Canandaigua L., N. Y.	Imbedded ventral valve. Hinge area has been broken. As <i>Strophodonta nacrea</i> . " " " "
Genesee Co., N. Y.	An entire dorsal valve. Proposed (Pal. N. Y., vol. 8, pt. 2, p. 191) as a subgenus of <i>Camaro-tachia</i> . <i>Plethorhynchus Barrandii</i> and <i>P. pleioleura</i> have been referred to this genus by Hall and Clarke, <i>loc. cit.</i> , but the remainder of the following species are here referred to this genus on account of their relationship to <i>Plethorhynchus speciosum</i> . There does not seem to be any sufficient reason, however, for separating any of these species from <i>Rhynchonella</i> .

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Orisk.	2675 1	Type.	Plethorhynchus H. & C.— <i>Con.</i>					
			Barrandii.....Hall.	N. Y. S. M.	10	82	...	...
			".....Hall.	Pal. N. Y.	3	442	103	4, <i>int. v. v.</i>
	2681 1	"	Fitchanum.....Hall.	N. Y. S. M.	10	85	...	...
			".....Hall.	Pal. N. Y.	3	441	103	1a, b
	2677 2	"	multistriatum.....Hall.	N. Y. S. M.	10	85	...	...
			".....Hall.	Pal. N. Y.	3	440	102	3, <i>ext. v. v.</i>
			".....Hall.	"	3	440	106	3, "
	2680 1	"	oblatum.....Hall.	N. Y. S. M.	10	86	...	...
			".....Hall.	Pal. N. Y.	3	439	102	1-2d
	2679 1	Fig'd.	pleiopleura (<i>Con.</i>).....Hall.	"	3	440	102	3a-4c
	2676 1	Type.	principale.....Hall.	N. Y. S. M.	10	84	...	...
			".....Hall.	Pal. N. Y.	3	443	106	4, <i>ext. v. v.</i>
	2685 1	"	Ramsayi.....Hall.	"	3	446	101A	7, 8
	2678 1	"	septatum.....Hall.	"	3	443	103	2, <i>int. d. v.</i>
	2684 1	Gen. and Sp. Type.	speciosum.....Hall.	N. Y. S. M.	10	81	...	...
			".....Hall.	Pal. N. Y.	3	444	103A	2a-d
			H. & C.	St. G. N. Y.	13	827	43	13, 15
			".....Hall.	Pal. N. Y.	8, pt. 2	191	58	29-31
Chem.	4604 1	Type.	Productella Hall.					
			arctirostrata.....Hall.	N. Y. S. M.	10	177	...	...
			".....Hall.	Pal. N. Y.	4	182	26	16, 17, 19-21
	4603 2	"	".....Hall.	"	4	182	26	22, 23
	4605 1	"	Boydii.....Hall.	N. Y. S. M.	10	179	...	...
			".....Hall.	Pal. N. Y.	4	169	24	10-16
			".....Hall.	St. G. N. Y.	2	...	48	24, <i>v. v.</i>
			H. & C.	Pal. N. Y.	8, pt. 1	...	17	24, "
	4606 1	"	exanthemata.....Hall.	N. Y. S. M.	10	174	...	...
			".....Hall.	Pal. N. Y.	4	163	23	46, <i>int.</i>
			".....Hall.	St. G. N. Y.	2	...	48	17, "
			H. & C.	Pal. N. Y.	8, pt. 1	...	17	17, "
Chem.	4606 2	"	".....Hall.	"	4	163	25	12, <i>d. v.</i>
	4606 3	"	".....Hall.	"	4	163	25	13, "
	4607 1	"	hirsuta.....Hall.	N. Y. S. M.	10	175	...	...
	4607 2	"	".....Hall.	"	10	175	...	...
			".....Hall.	Pal. N. Y.	4	166	24	17, 24, 25
			".....Hall.	"	4	166	24	18, 19
			".....Hall.	"	4	166	24	20, 26
			".....Hall.	"	4	166	24	21, <i>v. v.</i>
	4607 3	"	".....Hall.	"	4	166	24	22, 23
			".....Hall.	St. G. N. Y.	2	...	48	28, <i>v. v.</i>
			H. & C.	Pal. N. Y.	8, pt. 1	...	17	28, "
	4607 2	"	".....Hall.	"	4	166	24	27, 28
	4607 4	"	".....Hall.	"	4	166	24	29, <i>enl.</i>
			".....Hall.	St. G. N. Y.	2	...	48	45, "
			H. & C.	Pal. N. Y.	8, pt. 1	...	17	45, "
	4608 1	"	" var. rectispina Hall.	"	4	168	24	31, 32
			".....Hall.	"	4	168	24	33-36
			".....Hall.	Pal. N. Y.	4	168	24	37, <i>int. d. v.</i>
			".....Hall.	St. G. N. Y.	2	...	48	37, "
			H. & C.	Pal. N. Y.	8, pt. 1	...	17	37, "
			<i>hystriacula</i>.....Hall.					
			<i>lachrymosa</i>.....Hall.					

LOCALITY.	REMARKS.
.....	As <i>Rhynchonella Barrandii</i> .
.....	" " " Internal cast of ventral valve.
.....	" " <i>Fitchana</i> .
Schoharie, N. Y.	" " " A somewhat distorted cast.
.....	" " <i>multistriata</i> .
Schoharie, N. Y.	" " " Somewhat exfol. ventral valve, imb.
Nr. Cooperstown, N. Y.	" " " Exfoliated ventral valve, imbedded.
.....	" " <i>oblata</i> .
Schoharie, N. Y.	" " " Three casts.
.....	" " <i>pleiopleura</i> . Two internal casts.
.....	" " <i>principalis</i> .
Auburn, N. Y.	" " " Ventral valve, imbedded.
Cumberland, Md.	" " <i>Ramsayi</i> . An individ. and an int. cast, siliceous.
Knox, N. Y.	" " <i>septata</i> . Internal cast of dorsal valve.
.....	" " <i>speciosa</i> .
.....	" " "
Cumberland, Md.	Very large silicified individual, somewhat broken.
.....	As <i>Rhynchonella speciosa</i> .
.....	" " "
Cumberland, Md.	Very large silicified dorsal valve.
.....	As <i>Productus arctirostratus</i> .
Near Cadiz, N. Y.	External impr. dors. valve and internal impr. ventral valve, separate.
Jasper, N. Y.	A somewhat exfoliated and distorted ventral valve, imbedded.
.....	As <i>Productus Boydi</i> .
.....	
Belmont, N. Y.	Six specimens.
.....	As <i>Productus exanthematus</i> .
.....	
Seneca Lake, N. Y.	Large dorsal valve, imbedded.
Near Ithaca, N. Y.	Exfoliated dorsal valve, imbedded.
Western New York.	Cast of dorsal valve.
Tioga Co., N. Y.	As <i>Productus hirsutus</i> . Compressed specimen in shale.
.....	" " "
Belmont, N. Y.	Two ventral valves in separate blocks.
" "	Casts of two large ventral valves in the same block.
" "	Internal casts of opp. valves in same block. Each retains some shell.
" "	Internal cast of ventral valve retaining small portion of shell.
.....	
Covington, Pa.	Cast of ventral valve. Tioga county.
Belmont, N. Y.	Internal cast of dorsal valve retaining cardinal process.
.....	
Nr. Troupsburg, N. Y.	Ventral valve, imbedded.
Steuben Co., N. Y.	Casts of two ventr. valves in same block. Fr. southern part of county.
" "	Three specimens in separate blocks. " " "
.....	
" "	Incomplete internal imprint of dorsal valve. Figure was made from gutta percha squeeze. From southern part of the county.
.....	See <i>Strophalosia hystriacula</i> .
.....	" <i>Productella lachrymosa</i> , var. <i>lima</i> .

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Chem.	4609 1	Fig'd.	Productella Hall— <i>Cont.</i>					
			<i>lachrymosa</i> (Con.), var.					
			<i>lima</i> (Con.) H. Hall.	Pal. N. Y.	4	172	25	25, v. v.
			H. & C.	St. G. N. Y.	2	....	48	23, "
				Pal. N. Y.	8, pt. I	....	17	23, "
Ham.	4610 3	Type.	" var. <i>stigmata</i> Hall.	" "	4	174	25	33
			<i>navicella</i> Hall.	N. Y. S. M.	10	172	....	....
				Pal. N. Y.	4	156	23	9-11
U. H.	3055 1	"	"	St. G. N. Y.	2	....	48	8, 9
			H. & C.	Pal. N. Y.	8, pt. I	....	17	8, 9
								2, ext.
Chem.	3055 1	"	<i>onusta</i> Hall.	" "	4	184	26	34
			<i>rarispira</i> Hall.	N. Y. S. M.	10	178	....	I
				Pal. N. Y.	4	170	24	1-4, 6, 7
	"	"	"	"	4	170	24	5, 8, 9
			<i>speciosa</i> Hall.	N. Y. S. M.	10	176	....	....
				Pal. N. Y.	4	175	25	2, 3, 9-11
Ham.	4377 2	"	"	St. G. N. Y.	2	....	48	26
			H. & C.	Pal. N. Y.	8, pt. I	....	17	26
			<i>spinulicosta</i> Hall.	N. Y. S. M.	10	173	....	....
Mar.	4377 2	"	"	Pal. N. Y.	4	160	23	25-27
			"	"	4	160	23	35, ext.
			"	St. G. N. Y.	2	....	48	4, "
Chem.	4614 2	Fig'd.	<i>striatula</i> Hall.	H. & C.	8, pt. I	....	17	4, "
			<i>subaculeata</i> (Murch.) Hall.	" "	4	177	25	14, 17, 18
			"	"	4	154	23	4, ext. v. v.
U. H.	3056 1	"	"	St. G. N. Y.	2	....	48	1, "
			H. & C.	Pal. N. Y.	8, pt. I	....	328	17, "
			"	"	4	154	23	5, int. d. v.
Ham.	4615 1	Type.	"	St. G. N. Y.	2	....	48	2, "
			H. & C.	Pal. N. Y.	8, pt. I	....	328	17, "
			<i>subalata</i> Hall.	N. Y. S. M.	10	174	....	....
			"	Geol. Ia.	1, pt. 2	500	3	10a-c
			"	Pal. N. Y.	4	165	23	49, v. v.
			"	St. G. N. Y.	2	....	48	16, "
Ham.	4616 1	Type.	<i>truncata</i> Hall.	H. & C.	8, pt. I	....	17	16, "
			<i>tullia</i> Hall.	Pal. N. Y.	4	164	23	41
Chem.	4617 1	Type.	Productus Sowerby.					
			<i>arctirostratus</i> Hall.					
			<i>Boydii</i> Hall.					
			<i>dissimilis</i> Hall.	Geol. Ia.	1, pt. 2	497	3	7a-e
			<i>exanthematus</i> Hall.					
			<i>hirsutus</i> Hall.					
			<i>navicella</i> Hall.					
			<i>pustulosus</i> H. (non Phill.)					
			<i>rarispira</i> Hall.					
			<i>speciosus</i> Hall.					
			<i>spinulicosta</i> Hall.					
			<i>subalatus</i> Hall.					
Orisk.	3741 1	Type.	<i>truncatus</i> Hall.					
			Rensselaeria Hall.					
			<i>cumberlandiae</i> Hall.	N. Y. S. M.	10	101	....	....
			"	Pal. N. Y.	3	464	108	Id-f
			<i>johanni</i> Hall.					

LOCALITY.	REMARKS.
.....	As <i>Productella lachrymosa</i> Con.
Chemung Narrows, N. Y.	Slightly crushed cast of a ventral valve.
Nr. Salamanca, N. Y.	External cast of dorsal valve. As <i>Productus navicella</i> .
.....	
Moscow, N. Y.	Ventral valve of elongate form. The original type.
Nr. Williamsville, N. Y.	" " imbedded.
Nr. Salamanca, N. Y.	Internal cast of dorsal valve retaining shell along hinge line. As <i>Productus rarispina</i> .
Belmont, N. Y.	Three casts of ventral valves retaining small portions of shell.
" "	An imperfect ventral and a dorsal valve, imbedded separately. As <i>Productus speciosus</i> .
.....	
Chautauqua Co., N. Y.	Two opposite valves, imbedded together. From 20 Mile creek.
18 Mile Creek, N. Y.	As <i>Productus spinulicosta</i> . Two ventral valves, imbedded separately. From the lake shore.
.....	
LeRoy, N. Y.	Ventral valve, imbedded.
E. Randolph, N. Y.	A dorsal and a ventral valve imbedded together.
.....	Specific reference queried.
Falls of Ohio River.	" " " "
.....	In chert.
E. Victor, N. Y.	Specific reference queried.
.....	" " " "
.....	Dorsal valve, imbedded.
.....	As <i>Productus subalatus</i> .
.....	" " " "
.....	
Rock Island, Ill.	Three ventral valves.
Onondaga Co., N. Y.	See <i>Strophalosia truncata</i> . External imprint of dorsal valve retaining cardinal process.
.....	
.....	See <i>Productella arctirostrata</i> .
.....	" " <i>Boydii</i> .
Rockford, Iowa.	Entire individual. Possibly to be referred to <i>Marginiifera</i> , according to Hall and Clarke, Pal. N. Y., vol. 8, pt. 1, p. 332.
.....	See <i>Productella exanthemata</i> .
.....	" " <i>hirsuta</i> .
.....	" " <i>navicella</i> .
.....	" <i>Strophalosia truncata</i> .
.....	" <i>Productella rarispina</i> .
.....	" " <i>speciosa</i> .
.....	" " <i>spinulicosta</i> .
.....	" " <i>subalata</i> .
.....	" <i>Strophalosia truncata</i> .
.....	
.....	As <i>Meganteris cumberlandia</i> .
Cumberland, Md.	A somewhat imperfect, silicified individual. The original of the figures 1a-c was lost by the lithographer.
.....	See <i>Newberria johannis</i> .

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Orisk.	27.42 1	Type.	Rensselaeria Hall.—Cont.					
	"		marylandica Hall.	Pal. N. Y.	3	461	108	3a-e
	"		" H. & C.	" "	8, pt. 2	256	76	11, 15
	"		" Hall.	" "	3	461	108	3g, h
	"		" H. & C.	" "	8, pt. 2	256	76	12, int. v. v.
	"		" Hall.	" "	3	461	108	3i, k
	"		" H. & C.	St. G. N. Y.	13	....	50	10, int. d. v.
	"		" Hall.	Pal. N. Y.	8, pt. 2	256	76	17, "
	"		" H. & C.	St. G. N. Y.	3	461	108	3l, m
	"		" H. & C.	St. G. N. Y.	13	....	50	8, 9
Orisk.	26.84 2	Fig'd Sp. and G.T.	ovalis.....	Pal. N. Y.	8, pt. 2	256	76	13, 14
	"		ovoides (Eaton).... Hall.	N. Y. S. M.	10	102	....	....
	"		" " " " " "	Pal. N. Y.	3	456	104	1a-c, 2a, b
	"		" " " " " "	" "	3	456	104	1d, 3a
	"		" " " " " "	" "	3	456	104	3b, c
	"		" " " " " "	" "	3	456	104	3d, card.
	"		" " " " " "	" "	3	456	105	4, d. v.
	"		" " " " " "	" "	3	456	104	4
	"		" " " " " "	" "	3	456	105	1, 3
	"		" " " " " "	H. & C. St. G. N. Y.	13	850	50	13, ext. d. v.
U. H.	30.36 1	Type.	Rhipidomella Ehlert.					
	"		cleobis..... Hall.	N. Y. S. M.	16	35	....	....
	"		" " " " " "	Pal. N. Y.	4	41	5	10
	"		cyclas..... Hall.	N. Y. S. M.	13	78	....	....
	"		" " " " " "	Pal. N. Y.	4	52	7	2, 3
	"		eryna..... Hall.	N. Y. S. M.	16	35	....	....
	"		" " " " " "	" "	10	109	....	....
	"		" " " " " "	Pal. N. Y.	4	42	5	11a, b
	"		leucosia..... Hall.	N. Y. S. M.	13	80	....	....
	"		" " " " " "	Pal. N. Y.	4	48	7	4a, b, g, h
Ham.	46.18 1	Type.	" " " " " "	St. G. N. Y.	2	....	36	16, int. v. v.
	"		" " " " " "	Pal. N. Y.	8, pt. 1	225	6	16, "
	"		" " " " " "	" "	4	48	7	4i, "
	"		" " " " " "	" "	4	63	8	9, 10
	"		" " " " " "	" "	4	....	6	2m, int. d. v.
	"		musculosa..... Hall.	N. Y. S. M.	10	46	....	....
	"		" " " " " "	Pal. N. Y.	3	409	91	1a-3e
	"		" " " " " "	" "	3	409	95	1-4
	"		" " " " " "	" "	3	409	95	5-7
	"		penelope..... Hall.	N. Y. S. M.	13	79	....	....
Ham.	46.20 1	Type.	" " " " " "	Pal. N. Y.	4	50	6	2b, c, l
	"		" " " " " "	" "	4	50	6	2d-g
	"		" " " " " "	St. G. N. Y.	2	....	36	6-8, 10
	"		" " " " " "	H. & C.	11	....	12	7, 8
	"		" " " " " "	Pal. N. Y.	8, pt. 1	211	6	6-8, 10
	"		" " " " " "	Hall.	"	4	50	2h, int. v. v.
	"		" " " " " "	St. G. N. Y.	2	....	36	11, "
	"		" " " " " "	H. & C. Pal. N. Y.	8, pt. 1	225	6	11, "
	"		" " " " " "	Hall.	"	4	50	2i, "
	"		" " " " " "	St. G. N. Y.	2	....	36	12, "
Orisk.	46.20 4	Type.	" " " " " "	Pal. N. Y.	8, pt. 1	211	6	12, "
	"		" " " " " "	" "	4	50	6	12, "
	"		" " " " " "	St. G. N. Y.	2	....	36	11, "
	"		" " " " " "	H. & C. Pal. N. Y.	8, pt. 1	225	6	11, "
	"		" " " " " "	Hall.	"	4	50	2i, "
	"		" " " " " "	St. G. N. Y.	2	....	36	12, "
	"		" " " " " "	H. & C. Pal. N. Y.	8, pt. 1	211	6	12, "
	"		" " " " " "	" "	4	50	6	12, "
	"		" " " " " "	St. G. N. Y.	2	....	36	11, "
	"		" " " " " "	H. & C. Pal. N. Y.	8, pt. 1	225	6	11, "

LOCALITY.	REMARKS.
Cumberland, Md.	A silicified individual.
" "	A ventral valve and the umbonal part of another, silicified.
.....	As <i>Rensseleria ovoides</i> , by error.
Cumberland, Md.	Silicified umbonal parts of a dorsal and two conjoined valves.
" "	A silicified individual. The loop has been broken.
.....	See <i>Megalanteris ovalis</i> .
.....	As <i>Megalanteris ovoides</i> .
Knox, N. Y.	Three internal casts.
Schoharie, N. Y.	Two internal casts of umbonal portion of conjoined valves.
Knox, N. Y.	A somewhat exfoliated individual.
Schoharie, N. Y.	An exfoliated individual.
" "	A group of internal casts of this and other brachiopods.
" "	Exfoliated opposite valves, imbedded separately.
Knox, N. Y.	Internal cast of a ventral valve.
Schoharie, N. Y.	A nearly entire internal cast. See also <i>Rensseleria marylandica</i> .
.....	See <i>Beachia Suessana</i> .
.....	As <i>Orthis cleobis</i> .
Williamsville, N. Y.	" " " Internal cast of ventral valve.
.....	" " <i>cyclas</i> .
.....	" " " Two entire individuals.
.....	" " <i>eryna</i> .
.....	" " <i>aequivalvis</i> .
Williamsville, N. Y.	" " <i>idas</i> , by error. A somewhat crushed, exfoliated individual.
.....	" " <i>leucosia</i> .
.....	" " "
.....	" " "
Canandaigua L., N. Y.	An entire individual and two opposite valves.
Cumberland, Md.	As <i>Orthis leucosia</i> . Internal cast of ventral valve.
Bath, Steuben Co., N. Y.	" " " ? External imprint of dorsal valve and internal
.....	cast of ventral valve, imbedded together.
Cumberland, Md.	As a type of <i>Orthis penelope</i> . Internal cast of dorsal valve.
.....	" <i>Orthis musculosa</i> .
Knox, N. Y.	" " " Three int. casts of indivs. and one ventral valve.
Cumberland, Md.	" " " Two silicified individuals.
" "	" " " opposite valves silicified.
.....	" " <i>penelope</i> .
18 Mile Creek, N. Y.	" " " A small individual and an adult dorsal valve.
.....	" " "
.....	" " "
York, N. Y.	A large individual and a small ventral valve. An unfigured specimen
.....	from this locality is in the type series.
.....	As <i>Orthis penelope</i> .
.....	" " "
Canandaigua L., N. Y.	A very perfect ventral valve.
.....	As <i>Orthis penelope</i> .
.....	" " "
Hamburg, N. Y.	A very perfect ventral valve.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	4620 1	Type.	Rhipidomella Ehlert—Cont.	Pal. N. Y.	4	50	6	2k, int. d. r.
			penelope Hall.	St. G. N. Y.	2	....	36	9, "
			H. & C.	Pal. N. Y.	8, pt. I	211	6	9, "
	4621 1	"	suborbicularis Hall.	Geol. Ia.	I, pt. 2	486	2	1a-c, e
	3037 3	"	Vanuxemi Hall.	N. Y. S. M.	10	135	p. 136	3
			"	Geol. Ia.	I, pt. 2	487	2	3a, b
	3037 4	"	"	N. Y. S. M.	10	135	p. 136	6, 7
			"	Geol. Ia.	I, pt. 2	487	2	3c, f
			"	Pal. N. Y.	4	47	6	3m
	3037 5	"	"	Geol. Ia.	I, pt. 2	487	2	2a-d, g-i
	3037 6	"	"	"	I, pt. 2	487	2	2e, f
	3037 7	"	"	"	I, pt. 2	487	2	3c, int.
	3037 8	"	"	"	I, pt. 2	487	2	3d, "
			"	Pal. N. Y.	4	47	6	3a, b, d
	3037 9	"	"	"	4	47	6	3f, g
			"	"	4	47	6	3h-l, p
			"	St. G. N. Y.	2	....	36	14, enl.
			H. & C.	Pal. N. Y.	8, pt. I	225	6	14, "
	3037 9	"	"	"	4	47	6	3r, int. v. v.
			"	St. G. N. Y.	2	....	36	15, "
			H. & C.	"	II	....	12	9, "
			"	Pal. N. Y.	8, pt. I	225	6	15, "
U. H.	3037 2	Fig'd.	" (?) Hall.	"	4	40	5	6a, b
	3037 1	"	"	"	4	39	5	5a, b
Rhynchonella Fischer.								
alveata								
Barrandii								
Billingsi								
carolina								
congregata								
contracta								
" var. saxatilis								
dotis								
duplicata								
eximia								
Fitchana								
glans-fagea								
Horsfordi								
multistriata								
oblata								
orbicularis								
pleiopleura								
principalis								
prolifera								
Ramsayi								
royana								
sappho								
septata								
speciosa								
stephani								
Rhynchospira Hall.								
lepida								
nobilis								
Ham.	4622 1	Fig'd.	Röemerella Hall & Clarke.	Pal. N. Y.	4	17	2	33
			grandis (Vanux.) . . . Hall.					

LOCALITY.	REMARKS.
.....	As <i>Orthis penelope</i> .
.....	" " " "
18 Mile Creek, N. Y.	A large dorsal valve. See also <i>Rhipidomella leucosia</i> .
Rock Island, Ill.	As <i>Orthis suborbicularis</i> . A crushed individual and a ventral valve.
.....	" " <i>Vanuxemi</i> .
Western New York.	" " " Entire individual.
.....	" " " "
.....	" " " "
Moscow, N. Y.	" " " A ventral valve.
Rock Island, Ill.	" " " An entire individual and two opposite valves.
Louisiana (?), Mo.	" " " Entire individual.
Moscow, N. Y.	" " " A ventral valve.
18 Mile Creek, N. Y.	" " " A dorsal valve.
" " "	" " " Two entire individuals.
York, N. Y.	" " " Entire individual.
.....	" " " "
.....	" " " "
York, N. Y.	A large, entire individual.
.....	As <i>Orthis Vanuxemi</i> .
.....	" " " "
Cumberland, Md.	Internal cast of ventral valve.
Nr. Caledonia, N. Y.	As <i>Orthis Vanuxemi</i> ? A ventral valve.
Stafford, N. Y.	" " sp. An entire individual.
.....	See <i>Centronella alveata</i> .
.....	" <i>Plethorhynchus Barrandii</i> .
.....	" <i>Camarotachia Billingsi</i> .
.....	" " <i>carolina</i> .
.....	" " <i>congregata</i> .
.....	" " <i>contracta</i> .
.....	" " " var. <i>saxatilis</i> and <i>C. eximia</i> .
.....	" " <i>dotis</i> .
.....	" " <i>duplicata</i> .
.....	" " <i>eximia</i> .
.....	" <i>Plethorhynchus Fitchanum</i> .
.....	" <i>Centronella glans-fagea</i> .
.....	" <i>Camarotachia Horsfordi</i> .
.....	" <i>Plethorhynchus multistriatum</i> .
.....	" " <i>oblatum</i> .
.....	" <i>Camarotachia orbicularis</i> .
.....	" <i>Plethorhynchus pleiopleura</i> .
.....	" " <i>principalis</i> .
.....	" <i>Camarotachia polifica</i> .
.....	" <i>Plethorhynchus Ramsayi</i> .
.....	" <i>Camarotachia royana</i> .
.....	" " <i>sappho</i> .
.....	" <i>Plethorhynchus septatum</i> .
.....	" " <i>speciosum</i> .
.....	" <i>Camarotachia stevensi</i> .
.....	See <i>Trigeria lepida</i> .
.....	" <i>Cyclorhina nobilis</i> .
Onondaga Co., N. Y.	As <i>Discina grandis</i> . A group of one lower and three upper valves, imbedded. From Pratt's Falls.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.					
				Work.	Vol.	P.	Pl.	Figs.	
Chem.	4623 1	Type.	Schizophoria King.						
			carinata.....Hall.	Geol. N. Y.	4th D.	267	ct 121	I, 1a	
			"	Pal. N. Y.	4	58	8	30, 31	
			"	St. G. N. Y.	2	....	36	22, int. v. v.	
			H. & C.	Pal. N. Y.	8, pt. 1	213	6	22, "	
	4623 2		"	"	4	58	8	32, int. d. v.	
	4624 1		"	impressa.....Hall.	Geol. N. Y.	4th D.	268	ct 121	2, int. v. v.
	4624 2		"	"	Pal. N. Y.	4	60	8	11, 12
	4624 3		"	"	"	4	60	8	13, d. v.
	4624 4		"	"	"	4	60	8	15, ext. v. v.
	4624 5		"	"	"	4	60	8	16, 17
	4624 6		"	"	"	4	60	8	14, int. v. v.
			H. & C.	St. G. N. Y.	2	....	36	31, "	
			"	Pal. N. Y.	8, pt. 1	212	6	31, "	
	4624 7		"	"	"	4	60	8	18, "
4624 8	"	"	"	4	60	8	19, "		
Ham.	4625 1		iowensis.....Hall.	Geol. Ia.	1, pt. 2	488	2	4a, b	
Chem.	4625 2		"	"	1, pt. 2	488	2	4c, d	
Ham.	4625 3		"	"	1, pt. 2	488	2	4e, int. v. v.	
	4625 4		"	"	1, pt. 2	488	2	4f, g	
	4625 5		"	"	1, pt. 2	488	2	4h, i	
	4626 1		var. furnarius Hall.	"	1, pt. 2	488	2	5, int. v. v.	
U. H.	3058 6		propinqua.....Hall.	N. Y. S. M.	10	110			
			"	Pal. N. Y.	4	43	5	3d-f	
Chem.	4627 1		tioga.....Hall.	"	4	59	8	20, 22	
			"	St. G. N. Y.	2	....	36	17, v. v.	
			H. & C.	Pal. N. Y.	8, pt. 1	212	6	17, "	
			"	"	4	59	8	21, ext. d. v.	
			"	Geol. N. Y.	4th D.	268	ct 121	3, int. v. v.	
			"	Pal. N. Y.	4	59	8	29, "	
			"	St. G. N. Y.	2	....	36	18, "	
			H. & C.	Pal. N. Y.	8, pt. 1	212	6	18, "	
	4627 2		"	Geol. N. Y.	4th D.	268	ct 121	4, d. v.	
			"	Pal. N. Y.	4	59	8	24, "	
	4627 3		"	"	4	59	8	25, 28	
	4627 4		"	"	4	59	8	26, ext. v. v.	
	4627 5		"	"	4	59	8	27, "	
	4627 6		"	"	4	59	8	27, "	
Tully	4628 1	Fig'd.	"	Geol. N. Y.	4th D.	272	ct 124	4	
			tulliensis (Vanux.) Hall.	Pal. N. Y.	4	55	7	5a-k	
			"	St. G. N. Y.	2	....	36	25-29	
			H. & C.	"	11	....	11	18-20	
			"	Pal. N. Y.	8, pt. 1	212	6	25-29	
			Spirifer Sowerby.						
U. H.	3058 7	Fig'd.	acuminatus (Con.) Hall.	"	4	198	29	9, frt.	
	3058 8		"	"	4	198	29	10-13	
			H. & C.	"	8, pt. 2	31	39	39, 40	
	3058 9		"	"	4	198	29	14, 15	
	3058 10		"	"	4	198	29	16-18	
Ham.	4628 1		"	"	4	234	35	25, int. v. v.	
	4628 2	Type.	angustus.....Hall.	N. Y. S. M.	10	164			
			"	Pal. N. Y.	4	230	38*	28-31	
			"	St. G. N. Y.	2	....	54	14-17	
			H. & C.	Pal. N. Y.	8, pt. 2	39	24	14-17	

LOCALITY.	REMARKS.
.....	As <i>Orthis carinata</i> .
.....	" " "
.....	" " "
Painted Post, N. Y.	Exfoliated dorsal valve and int. cast ventral valve, in separate blocks.
Near " "	As <i>Orthis carinata</i> . Internal cast of dorsal valve.
Near Elmira, N. Y.	" " <i>impressa</i> . " " ventral "
" " "	" " " Internal casts of two ventral valves.
Near Belmont, N. Y.	" " " A somewhat exfoliated dorsal valve, imbedded.
Near Elmira, N. Y.	" " " External imprint of ventral valve in block with
Cattaraugus Co., N. Y.	figure 21, same plate. Figure made from a squeeze.
.....	As <i>Orthis impressa</i> . Internal casts of two ventral valves.
.....	" " "
.....	" " <i>propinqua</i> .
Near Elmira, N. Y.	Internal cast of a ventral valve.
Tioga Co., N. Y.	As <i>Orthis impressa</i> . Int. cast ventral valve. From Cayuta Creek.
Factoryville, N. Y.	" " " Nearly entire internal cast of ventral valve.
Rock Island, Ill.	" " <i>iowensis</i> . Entire individual slightly crushed.
Rockford, Iowa.	" " " Individual with part of ventral valve gone.
Rock Island, Ill.	Probably = <i>Schizophoria impressa</i> .
The Bake Oven, Ill.	As <i>Orthis iowensis</i> . A somewhat crushed individual from which the
Rock Island, Ill.	ventral valve has been removed.
The Bake Oven, Ill.	As <i>Orthis iowensis</i> . Entire internal cast.
.....	" " " Two opposite valves.
Columbus, Ohio.	" " " var. <i>furnarius</i> . Internal cast of ventral valve.
.....	" " <i>propinqua</i> .
.....	" " " A large individual.
.....	" " <i>tioga</i> .
.....	" " "
Near Elmira, N. Y.	External casts of two ventral valves.
" " "	As <i>Orthis tioga</i> . External imprint of dorsal valve in block with
.....	original of figure 15, same plate. Figure made from a squeeze.
.....	As <i>Orthis interlineata</i> Sowerby.
.....	" " <i>tioga</i> .
.....	" " "
Near Elmira, N. Y.	Internal cast of a ventral valve.
.....	As <i>Orthis interlineata</i> Sowerby.
Near Ithaca, N. Y.	" " <i>tioga</i> . Cast of dorsal valve.
Near Elmira, N. Y.	" " " Casts of two opposite valves.
Belmont, N. Y.	" " " Cast of ventral valve.
Near Elmira, N. Y.	" " " External imprint of ventral valve.
Nr. New Albion, N. Y.	As type of <i>Atrypa? tenuilincata</i> Hall. Young specimen, imbedded.
.....	" <i>Orthis tulliensis</i> .
.....	" " "
Tully, N. Y.	Two individuals and an internal cast.
Near Clarksville, N. Y.	A small, exfoliated individual.
Near Sandusky, O.	Entire individual.
Williamsville, N. Y.	A somewhat exfoliated individual and an int. cast of ventral valve.
Near Madison, Ind.	Two siliceous internal casts. From Camp Creek.
Near Fultonham, N. Y.	Internal cast of large ventral valve.
Darien, N. Y.	A rather large 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.					
Ham.	4620	Type.	angustus Hall.	Pal. N. Y.	4	230	38*	32
U. H.	3961	"	arctisegmentum . . . Hall.	N. Y. S. M.	10	131		
			" "	Pal. N. Y.	4	208	31	9, 10
Ham.	3061	"	" "	St. G. N. Y.	2	...	59	10, 11
			H. & C.	Pal. N. Y.	8, pt. 2	36	34	10, 11
U. H.	3061	"	" Hall.	St. G. N. Y.	2	...	59	12, <i>enl.</i>
			H. & C.	Pal. N. Y.	8, pt. 2	36	34	12, "
Orisk.	2669	Fig'd.	arenosus (Con.) . . . Hall.	"	3	425	98	5, <i>ext. v. v.</i>
"	2669	"	" "	"	3	425	98	6-6b
"	2669	"	" "	"	3	425	99	1, 3, 7
"	2669	"	" "	"	3	425	99	2, <i>int. v. v.</i>
			" "	St. G. N. Y.	2	...	55	5, <i>int. d. v.</i>
			H. & C.	Pal. N. Y.	8, pt. 2	24	30	5, "
"	2669	"	" Hall.	"	3	425	99	4, 6
"	2669	"	" "	"	3	425	99	5, <i>int. v. v.</i>
"	2669	"	" "	"	3	425	99	8, "
"	2669	"	" "	"	3	425	99	9, <i>int. d. v.</i>
"	2669	"	" "	"	3	425	100	1-4
			" "	St. G. N. Y.	2	...	55	3, <i>d. v.</i>
			H. & C.	"	13	...	26	1, "
"	"	"	" "	Pal. N. Y.	8, pt. 2	24	30	3, "
"	"	"	" Hall.	"	3	425	100	5-7
"	"	"	" "	"	3	425	100	8a, b
			" "	St. G. N. Y.	2	...	55	7, <i>card.</i>
			H. & C.	Pal. N. Y.	8, pt. 2	24	30	7, "
"	"	"	" Hall.	"	3	425	100	8c
"	2669	"	" "	St. G. N. Y.	2	...	55	4, <i>int. v. v.</i>
"	2669	"	H. & C.	Pal. N. Y.	8, pt. 2	24	30	4, "
"	2669	"	" Hall.	St. G. N. Y.	2	...	54	6, <i>hinge</i>
"	2669	"	H. & C.	Pal. N. Y.	8, pt. 2	24	30	6, "
"	2669	Type.	arrectus Hall.	"	3	422	97	1a-c
			" "	St. G. N. Y.	2	...	58	24, <i>ext. v. v.</i>
"	"	"	H. & C.	Pal. N. Y.	8, pt. 2	19	33	24, "
"	"	"	" Hall.	"	3	422	97	1e, f, h
			" "	St. G. N. Y.	2	...	58	25, 27
"	"	"	H. & C.	Pal. N. Y.	8, pt. 2	19	33	25, 27
"	2669	"	" Hall.	"	3	422	97	2b, d, f
			" "	St. G. N. Y.	2	...	58	26, <i>int. v. v.</i>
			H. & C.	Pal. N. Y.	8, pt. 2	19	33	26, "
"	"	"	" Hall.	"	3	422	97	2g-i
Chem.	4630	"	asper Hall.	Geol. Ia.	1, pt. 2	508	4	7a-d
			H. & C.	Pal. N. Y.	8, pt. 2	29	25	22-24
Ham.	4631	Fig'd.	audaculus (Con.) . . . Hall.	Geol. N. Y.	4th D.	208	ct. 86	8, 8a
"	4631	"	" "	"	4th D.	208	ct. 86	8b, <i>int. v. v.</i>
"	4631	"	" "	Pal. N. Y.	4	227	37	9, <i>d. v.</i>
"	4631	"	" "	"	4	227	38	1, "
"	4631	"	" "	"	4	227	38	9-11, 17-20
			" "	St. G. N. Y.	2	...	54	4, 5
			H. & C.	"	13	...	28	2, 3
"	"	"	" "	Pal. N. Y.	8, pt. 2	29	24	4, 5
"	4631	"	" Hall.	"	4	227	38	14-16
			" "	St. G. N. Y.	2	...	54	3, 6
			H. & C.	Pal. N. Y.	8, pt. 2	29	24	3, 6

LOCALITY.	REMARKS.
Hamilton, N. Y.	Internal cast of conjoined valves.
Williamsville, N. Y.	A somewhat broken and exfoliated individual.
Scioto River, Ohio.	Nearly entire. This specimen was collected on the Scioto river, 25 miles above Columbus, according to Dr. R. P. Mann.
Clarke Co., Ind.	A silicified individual showing the surface characters.
Schoharie, N. Y.	An exfoliated ventral valve, imbedded.
Knox, N. Y.	Internal cast of a large individual.
" "	" casts of three ventral valves.
Schoharie, N. Y.	Internal casts of two opposite valves in same block.
Knox, N. Y.	Two entire internal casts.
Schoharie, N. Y.	Internal cast of ventral valve.
" "	Large individual exfoliated so as to show the interior of ventral valve.
" "	Internal cast of dorsal valve.
Cumberland, Md.	Four silicified individuals.
" "	A dorsal and two ventral valves, silicified.
" "	Silicified ventral valve. Some of the details of the later figures were taken from a larger, similar valve.
" "	The silicified spires of an average individual.
Knox, N. Y.	Entire internal cast.
Cumberland, Md.	A silicified dorsal valve.
Schoharie, N. Y.	Two entire, exfoliated individuals.
" "	Two opposite, exfoliated valves, imbedded. The last figure named represents the surface exactly as it is on the specimen.
Knox, N. Y.	Three internal casts of conjoined valves, two of which have lost the extremity of the beak.
" "	Internal cast of ventral valve and two internal casts of individuals.
Rockford, Iowa.	A ventral valve and a somewhat crushed individual.
Covington, N. Y.	As type of <i>Delthyris medialis</i> Hall. Entire individual, broken at the extremities.
Moscow, N. Y.	As type of <i>Delthyris medialis</i> Hall. A ventral valve.
Darien, N. Y.	" <i>Spirifera medialis</i> ? An entire individual.
" "	" type of <i>Spirifera medialis</i> Hall. A nearly perfect individual.
" "	" " " " "
" "	" " " " "
Moscow, N. Y.	Two entire individuals.
" "	As type of <i>Spirifera medialis</i> Hall.
" "	" " " " "
18 Mile Creek, N. Y.	A large individual.

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Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	Work.	Vol.	P.	Pl.	Figs.
			Spirifer Sowerby—Cont.					
Ham.	4631	Fig'd.	audaculus (Con.) . . . Hall.	Pal. N. Y.	4	227	38	23, 24
"	4632	Type.	" var. Eatonii . . . Hall.	N. Y. S. M.	10	157	38*	3a, b
"	4633	"	" var. macronotus Hall.	Pal. N. Y.	4	229	38A	16-18
"	"	"	" " " " "	Geol. N. Y.	4th D.	206	ct. 85	3a, b
"	"	"	" " " " "	Pal. N. Y.	4	231	38A	11, 12
"	"	"	" " " " "	" " "	4	231	38A	1-3
"	"	"	" " " " "	" " "	4	251	38A	14, 15
"	"	"	" " " " "	" " "	4	231	38A	19, 21, 22
"	"	"	" " " " "	St. G. N. Y.	2	54	21, int. r.v.	
"	4634	"	bimesialis Hall.	H. & C. Pal. N. Y.	8, pt. 2	24	21,	"
"	"	"	" " " " "	Geol. Ia.	1, pt. 2	507	4	6b-d
"	"	"	" " " " "	St. G. N. Y.	2	59	25, d. v.	
"	"	"	" " " " "	H. & C. " " "	13	24	20,	"
"	"	"	" " " " "	Pal. N. Y.	8, pt. 2	17	34	25, "
"	"	"	" " " " "	St. G. N. Y.	2	59	23, 24	
"	"	"	" " " " "	H. & C. Pal. N. Y.	8, pt. 2	17	34	23, 24
			capax					
			Clintoni					
Ham.	4635	"	consobrinus . . . d'Orbigny.	Pr. d. Pal.	1	98		
"	"	"	" " " " "	Hall. Geol. N. Y.	4th D.	201	ct. 80	5, d. v.
"	"	"	" " " " "	Pal. N. Y.	4	222	35	16, 17
"	"	Fig'd.	" (d'Orb.) Hall.	H. & C. " " "	8, pt. 2	36	37	9, 10
"	"	"	" " " " "	" " "	4	222	35	15, 18-22
"	"	"	" " " " "	St. G. N. Y.	2	59	9, d. v.	
"	"	"	" " " " "	H. & C. Pal. N. Y.	8, pt. 2	16	34	9,
"	4636	"	" " " " "	Hall. " " "	4	222	35	23, int. r.v.
"	4637	"	" " " " "	Whitf. N. Y. A. S.	5	554	11	13, ext.
"	4638	Type.	corticus Hall.	Geol. O.	7	448	7	13,
"	"	"	" " " " "	N. Y. S. M.	10	160		
Orisk.	2731	"	cumberlandiæ Hall.	Pal. N. Y.	4	236		
"	"	"	" " " " "	Pal. N. Y.	3	421	96	9a, b
"	"	"	" " " " "	St. G. N. Y.	2	58	16, 18	
"	"	"	" " " " "	H. & C. " " "	13	24	19, d. v.	
"	"	"	" " " " "	Pal. N. Y.	8, pt. 2	17	33	16, 18
"	"	"	" " " " "	Hall. " " "	3	421	96	9c, e
"	"	"	" " " " "	St. G. N. Y.	2	58	17, 19, 22	
"	"	"	" " " " "	H. & C. Pal. N. Y.	8, pt. 2	17	33	17, 19, 22
"	"	"	" " " " "	Hall. " " "	3	421	96	9f, g
"	"	"	" " " " "	St. G. N. Y.	2	58	20, 21	
"	"	"	" " " " "	H. & C. Pal. N. Y.	8, pt. 2	17	33	20, 21
"	"	"	" " " " "	Hall. " " "	3	421	96	9h
			cyrtiniformis					
Chem.	4637	Fig'd.	disjunctus (Sow.) . . Hall.	Geol. N. Y.	4th D.	269	ct. 122	3, d. v.
"	4638	"	" " " " "	Pal. N. Y.	4	243	41	6, d. v.
"	"	"	" " " " "	St. G. N. Y.	2	55	15,	"
"	4637	"	" " " " "	H. & C. Pal. N. Y.	8, pt. 2	24	30	15,
"	"	"	" " " " "	Hall. " " "	4	243	41	17,
"	"	"	" " " " "	" " "	4	243	41	19,
"	"	"	" " " " "	" " "	4	243	42	20, int. d. v.
"	4637	"	" " " " "	Geol. N. Y.	4th D.	270	ct. 123	1, v. v.
U. H.	3059	Type.	divaricatus Hall.	N. Y. S. M.	10	133		
"	"	"	" " " " "	Pal. N. Y.	4	213	32	9, int. v. v.
Ham.	3059	"	" " " " "	N. Y. S. M.	13	82		
"	"	"	" " " " "	Pal. N. Y.	4	213	32	2-8
"	"	"	" " " " "	H. & C. " " "	8, pt. 2	27	38	15-17
			dubius					

LOCALITY.	REMARKS.
18 Mile Creek, N. Y.	As type of <i>Spirifera medialis</i> Hall. Two dorsal valves.
Bloomfield, N. Y.	" <i>Spirifer Eatoni</i> .
"	" <i>medialis</i> var. <i>Eatoni</i> . A partly exfoliated individual.
"	" <i>Delthyris macronota</i> .
Moscow, N. Y.	" <i>Spirifera</i> " A ventral valve.
" "	" " " An entire individual.
" "	" " " " " "
" "	" " " " " "
Moscow, N. Y.	Two ventral valves.
Independence, Ia.	A somewhat broken individual and a ventral valve.
" "	Entire individual. Area restored in figure.
"	See <i>Spirifer Parryanus</i> .
"	" <i>granulosus</i> var. <i>Clintoni</i> .
"	Proposed instead of <i>Spirifer ziczac</i> Hall, which was preoccupied.
"	As type of <i>Delthyris zigzag</i> Hall.
"	" <i>Spirifera ziczac</i> .
Moscow, N. Y.	A very perfect adult.
"	As type of <i>Spirifera ziczac</i> Hall (<i>non</i> Roemer).
Moscow, N. Y.	Two entire individuals.
" "	As type of <i>Spirifer ziczac</i> " " " Ventral valve.
"	" <i>Spirifera ziczac</i> Hall.
Delaware, Ohio.	" " " Imbedded ventral valve somewhat exfoliated.
Cumberland, Md.	Locality incorrect.
"	A silicified individual.
" "	" " "
" "	" " "
" "	Individual broken to show spires and a dorsal valve, silicified.
" "	Two opposite valves, silicified.
" "	The silicified spires of an individual.
"	See <i>Cyrtia cyrtiniformis</i> .
Chemung, N. Y.	Cast. Probably the specimen used.
Western New York.	A nearly entire individual.
Near Blossburgh, Pa.	Nearly entire internal cast of an individual.
" " "	External imprint of dorsal valve. Figure made from a squeeze.
" " "	Internal cast of ventral valve.
Chemung, N. Y.	As type of <i>Delthyris cuspidata</i> Hall. Cast of ventral valve.
Williamsville, N. Y.	Internal cast of a ventral valve.
"	As type of <i>Spirifer venustus</i> Hall.
Near York, N. Y.	A large, entire individual partly exfoliated.
"	See <i>Pentamerella dubia</i> .

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
U. H.	3057 4	Type.	Spirifer Sowerby—Cont.					
			duodenarius Hall.	Pal. N. Y.	4	189	28	24, 26, 29-31
			H. & C.	St. G. N. Y.	2	....	58	8, 9, 13
			Pal. N. Y.	8, pt. 2	19	33	8, 9, 13	
"	3057 5	"	" Hall.	"	4	189	28	25, 28, 32
"	"	"	" "	"	4	189	28	27, ext.
Ham.	4638 1	Fig'd.	<i>Eatoni</i>					
			euryteines (Owen) . . Hall.	Pal. N. Y.	4	209	31	14-17
Orisk. Scho.	3062 2	"	fimbriatus (Con.) . . . Hall.	"	4	214	33	1, ext. d. v.
			" " " " " "	"	4	214	33	4, int. d. v.
U. H.	3062 3	"	" " " " " "	"	4	214	33	5, 6
			" " " " " "	"	4	214	33	7, d. v.
Ham.	3062 8	"	" " " " " "	"	4	214	33	12-15
			" " " " " "	St. G. N. Y.	2	....	61	21, v. v.
"	3062 9	"	H. & C.	"	13	....	25	11, "
			Pal. N. Y.	8, pt. 2	17	36	21, "	
"	4639 1	Type.	" " " " " " Hall.	"	4	214	33	20, card.
			St. G. N. Y.	2	....	61	22, "	
"	4639 2	Type.	H. & C.	"	8, pt. 2	17	36	22, "
			formosus Hall.	N. Y. S. M.	10	154		
"	4639 3	"	" " " " " "	Pal. N. Y.	4	220	28	12-16
			<i>granulifer</i>					
Ham.	4639 4	Fig'd.	" var. <i>Clintoni</i> . . .					
			granulosus (Con.) . . . Hall.	Pal. N. Y.	4	223	36	1-3
"	4639 5	"	" " " " " "	Geol. N. Y.	4th D.	206	ct. 85	2, 2a
			" " " " " "	Pal. N. Y.	4	223	36	5-9
"	4639 6	"	" " " " " "	"	4	223	36	11, int.
			" " " " " "	St. G. N. Y.	2	....	53	5-8, 10, 11
"	4640 1	Type.	H. & C.	"	8, pt. 2	29	23	5-8, 10, 11
			" var. <i>Clintoni</i> Hall.	N. Y. S. M.	10	157		
U. H.	4194 1	Fig'd.	" " " " " "	Pal. N. Y.	4	223	37	1-4
			gregarius (Clapp) . . Hall.	N. Y. S. M.	10	127		
"	4194 2	"	" " " " " "	Pal. N. Y.	4	195	28	2, d. v.
			" " " " " "	N. Y. S. M.	10	127		
"	4194 3	"	" " " " " "	Pal. N. Y.	4	195	28	3-6
			" " " " " "	"	4	195	28	7, 8, 11
"	4194 4	Type.	" " " " " "					
			Grieri Hall.	N. Y. S. M.	10	127		
Chem.	4641 1	"	" " " " " "	Pal. N. Y.	4	194	28	17-23
			" " " " " "	St. G. N. Y.	2	....	55	9-13
"	4641 2	"	H. & C.	"	13	....	27	6, d. v.
			" " " " " "	Pal. N. Y.	8, pt. 2	24	30	9-13
"	4641 3	"	Hungerfordi Hall.	Geol. Ia.	1, pt. 2	501	4	1c, g, h
			H. & C.	Pal. N. Y.	8, pt. 2	25	37	26-28
"	4641 4	"	" " " " " " Hall.	Geol. Ia.	1, pt. 2	501	4	1k, int.
			H. & C.	Pal. N. Y.	8, pt. 2	25	37	30, "
Ham.	4642 1	Fig'd.	iowensis (Owen) . . . Hall.	Geol. Ia.	1, pt. 2	510	5	1a, d. v.
			H. & C.	Pal. N. Y.	8, pt. 2	31	22	20, "
"	4642 2	"	" " " " " " Hall.	Geol. Ia.	1, pt. 2	510	5	1b, card.
			H. & C.	Pal. N. Y.	8, pt. 2	31	22	21, "
"	4642 3	"	" " " " " " Hall.	Geol. Ia.	1, pt. 2	510	5	1c-e
			H. & C.	Pal. N. Y.	8, pt. 2	31	22	19, d. v.

LOCALITY.	REMARKS.
Stafford, N. Y. Clarence, N. Y. " " "	A normal adult individual. A much exfoliated individual. A very large ventral valve, imbedded. See <i>Spirifer audaculus</i> var. <i>Eatoni</i> .
..... Falls of Ohio River.	Individual lacking beak of dorsal valve. Schuchert says (Syn. Am. Foss. Brach., p. 389) that the specimens from the Falls of the Ohio which have been referred to this species properly belong to <i>Spirifer fornaculus</i> Hall.
Knox, N. Y. Schoharie, N. Y. " " "	Part of an exterior imprint of a dorsal valve. Internal cast of a dorsal valve. A small individual.
Stafford, N. Y.	Individual of medium size.
18 Mile Creek, N. Y.	Three entire individuals from the shore of the lake.
Hardy Co., Va.	Internal cast of conjoined valves.
The Bake Oven, Ill.	An entire individual. See <i>Spirifer granulosus</i> .
18 Mile Creek, N. Y.	" " " var. <i>Clintoni</i> . As type of <i>Spirifera granulifera</i> Hall. An entire individual.
18 Mile Creek, N. Y.	" " <i>Delthyris congesta</i> Hall. " " <i>Spirifera granulifera</i> Hall. Large, entire individual.
" " "	" " " " " Middle part of dorsal valve.
Schoharie, N. Y.	Six internal casts as described in explanation of plate. As <i>Spirifer Clintoni</i> .
18 Mile Creek, N. Y.	" <i>Spirifera granulifera</i> var. <i>Clintoni</i> . An imbedded ventral valve and an imperfect individual, imbedded.
Near Columbus, O.	A small individual, somewhat exfoliated.
Falls of Ohio River. " " "	An individual. Two ventral valves and an imbedded individual broken so as to show the interior.
Near Dayton, Ohio.	Two individuals.
Rockford, Iowa. " " "	Three individuals. Umbonal portion of two ventral valves.
..... Rock Island, Ill.	As <i>Spirifer pennatus</i> Owen. " " <i>ligus</i> Owen (= <i>S. pennatus</i> Ow.). A somewhat crushed individual.
..... Independence, Iowa.	As <i>Spirifer pennatus</i> Owen. " " <i>ligus</i> Owen (= <i>S. pennatus</i> Ow.). Entire individual.
..... Buffalo, Iowa.	" " <i>pennatus</i> Owen. " " <i>ligus</i> Owen (= <i>S. pennatus</i> Ow.). An adult but little crushed. The locality was formerly called New Buffalo.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham. Port.	4642	Fig'd.	Spirifer Sowerby— <i>Cont.</i>					
	4643	Type.	iowensis (Owen) Hall.	Geol. Ia.	1, pt. 2	510		If, i
	1		levis Hall.	Geol. N. Y.	4th D.	245	ct. 107	I, 1a
			" H. & C.	Pal. N. Y.	4	239	39	5, area.
			" H. & C.	" "	8, pt. 2	37	38	II, "
			" Hall.	" "	4	239	39	1-3, 9, 10
			" "	" "	4	239	39	4, d. v.
			" "	" "	4	239	39	6, int.
			" "	" "	4	239	39	8, int. v. v.
			" "	" "	4	239	39	II, "
Scho.	2828	Type.	" H. & C.	St. G. N. Y.	13	755	25	9, "
			ligus Hall.	Pal. N. Y.	8, pt. 2	19	38	13, "
			macer Hall.	N. Y. S. M.	10	134		
U. H.	3060	Type.	" "	Pal. N. Y.	4	190	27	19-21
			macronotus Hall.	N. Y. S. M.	10	132		
			macrothyris Hall.	Pal. N. Y.	4	202	30	17, v. v.
	3060	"	" "	" "	4	202	30	18, 20
			" "	" "	4	202	30	19, card.
	3063	Fig'd.	" "	" "	4	416	63	6-12
			maia (Billings) Hall.	St. G. N. Y.	13	20	2, d. v.	
			" H. & C.	Pal. N. Y.	8, pt. 2	34	38	5, "
			Manni Hall.	N. Y. S. M.	10	128		
			" "	Pal. N. Y.	4	211	31	24, 25
Ham.	4644	"	Marcy Hall.	N. Y. S. M.	10	158	p. 159	I
	4644	"	" "	Pal. N. Y.	4	226	37	10-12
			medialis "					
			var. Eatonii "					
	4645	Type.	mesicostalis Hall.	Geol. N. Y.	4th D.	269	ct. 122	2, v. v.
			" "	Pal. N. Y.	4	240	40	8, "
	4645	"	" "	" "	4	240	40	I, 2
			" "	" "	4	240	40	3, d. v.
	4645	"	" "	" "	4	240	40	4, 7
			" "	" "	4	240	40	5, d. v.
Chem.	4645	"	" "	" "	4	240	40	6, 12
	4645	"	" "	" "	4	240	40	9, int. d. v.
	4645	"	" "	" "	4	240	40	10, "
	4645	"	" "	" "	4	240	40	13, card.
	4645	"	" "	St. G. N. Y.	2	59		32, 34
			" H. & C.	Pal. N. Y.	8, pt. 2	16	34	32, 34
	4645	Fig'd.	" Hall.	Geol. N. Y.	4th D.	271	ct. 123	5, 5a
			mesistrialis Hall.	" "	4th D.	269	ct. 122	I, 1a
			" H. & C.	Pal. N. Y.	4	242	40	18, d. v.
			" Hall.	" "	8, pt. 2	14	37	4, "
Ham.	4646	"	" Hall.	" "	4	242	40	I4, "
			" "	" "	4	242	40	15, 17
	4646	"	" "	" "	4	242	40	16, d. v.
			" "	" "	4	242	40	20, 21
	4646	"	" "	" "	4	242	40	20, 21
			" "	" "	4	242	40	20, 21
	4647	Fig'd.	mucronatus (Con.) Hall.	Geol. N. Y.	4th D.	198	ct. 79	3
			" "	" "	4th D.	271	ct. 123	3
	4647	"	" "	Pal. N. Y.	4	216	34	8, d. v.
			" "	" "	4	216	34	10, 18

LOCALITY.	REMARKS.
Independence, Iowa.	As <i>Spirifer pennata</i> Owen. An adult.
.....	" <i>Delthyris levis</i> .
West side of Cayuga Lake, N. Y.	A somewhat crushed individual and a ventral valve.
" " "	Four internal casts and a crushed individual.
Cortland Co., N. Y.	Internal cast of dorsal valve.
West side of Cayuga Lake, N. Y.	Part of a large ventral valve.
Portland Harbor, N. Y.	Cast of ventral valve.
Cortland, N. Y.	Internal cast of ventral valve, somewhat broken.
.....	See <i>Spirifer iowensis</i> .
Albany Co., N. Y.	Internal cast retaining some shell.
.....	See <i>Spirifer audaculus</i> var. <i>macronotus</i> .
Clarence Hollow, N. Y.	Internal cast of ventral valve retaining some shell.
Williamsville, N. Y.	Internal cast retaining some of dorsal valve and the internal cast of a ventral valve.
" "	A partly silicified, somewhat imperfect individual.
St. Mary's, Ont.	Three partly exfoliated individuals.
Williamsville, N. Y.	A somewhat exfoliated individual.
Covington, N. Y.	A nearly entire individual, slightly crushed.
Cayuga Lake, N. Y.	A small individual. A large individual from Dresden, N. Y., is in the type series, but it was not figured.
.....	See <i>Spirifer audaculus</i> .
.....	" " " var. <i>Eatoni</i> .
.....	As <i>Delthyris mesacostalis</i> .
Angelica, N. Y.	An exfoliated ventral valve.
Ithaca, N. Y.	Casts of two opposite valves, imbedded with many others.
" "	Cast of dorsal valve.
Belmont, N. Y.	Two opposite valves, imbedded separately.
Steuben Co., N. Y.	Cast of ventral valve. From southern part of the county.
Angelica, N. Y.	Two ventral valves.
Near Elmira, N. Y.	Cast of ventral valve retaining some shell along hinge line.
Painted Post, N. Y.	Internal cast of a small ventral valve.
Near Friendship, N. Y.	A ventral valve, imbedded.
Allegany Co., N. Y.	A small, somewhat imperfect individual.
Ithaca, N. Y.	As type of <i>Delthyris acuminata</i> Hall. Casts of two opposite valves, in separate blocks.
.....	As <i>Delthyris mesastrialis</i> .
Cayuta Creek, N. Y.	Internal casts of two opposite valves in same block. Tioga county.
Nr. Binghamton, N. Y.	Cast.
Jefferson, N. Y.	Casts of two dorsal valves.
Cortland, N. Y.	Cast of dorsal valve showing fine striæ very distinctly.
Cayuta Creek, N. Y.	A partly exfoliated ventral valve, imb., and internal cast of another.
Moscow, N. Y.	As <i>Delthyris mucronata</i> . An imbedded individual doubtfully referred to these figures.
Ithaca, N. Y.	As <i>Delthyris mucronata</i> ? Internal cast of ventral valve.
Bosquet, Ont.	A rotund individual.
18 Mile Creek, N. Y.	A flat individual and one of ordinary form.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	4647 ₆	Fig'd.	<i>Spirifer</i> Sowerby—Cont. <i>mucronatus</i> (Con.)...Hall.	Pal. N. Y.	4	216	34	23, int.
			"	St. G. N. Y.	2	....	59	17, "
			H. & C.	Pal. N. Y.	8, pt. 2	17	34	17, "
	4648 ₁	Type.	<i>Oweni</i> .....Hall.	N. Y. S. M.	10	129		
			"	Pal. N. Y.	4	197	29	1, d. v.
	4648 ₂	"	"	"	4	197	29	2-7
			"	St. G. N. Y.	2	....	52	1, 2
			H. & C.	Pal. N. Y.	8, pt. 2	28	22	1, 2
	"	"	"	St. G. N. Y.	2	....	52	3, 4, 6
	"	"	H. & C.	Pal. N. Y.	8, pt. 2	28	22	3, 4, 6
	"	"	"	St. G. N. Y.	2	....	52	7, enl.
	4649 ₁	"	<i>Parryanus</i> .....Hall.	Geol. Ia.	1, pt. 2	509	4	7, "
			"	St. G. N. Y.	2	....	52	8a, b
	4649 ₂	"	"	Pal. N. Y.	8, pt. 2	29	22	8, 9
			H. & C.	Geol. Ia.	1, pt. 2	520	7	7a-d
Ham.	4650 ₁	Type.	<i>pennatus</i>.....Hall.	St. G. N. Y.	2	....	52	15, 16
			<i>pertenuis</i>.....Hall.	Pal. N. Y.	8, pt. 2	29	22	15, 16
			<i>pyxidatus</i>.....Hall.	St. G. N. Y.	2	....	52	
U. H.	3066 ₁	Fig'd.	<i>raricosta</i> (Con.).....Hall.	N. Y. S. M.	10	163		
			"	Pal. N. Y.	4	236		
	3066 ₂	"	"	Pal. N. Y.	4	192	27	34, v. v.
	3066 ₃	"	"	St. G. N. Y.	2	....	60	7, ext.
			H. & C.	Pal. N. Y.	8, pt. 2	16	35	14, enl.
	3066 ₄	"	"	St. G. N. Y.	2	....	60	15, int.
Ham. Orisk.	4651 ₁	Type.	<i>sculptilis</i>.....Hall.	"	13	....	24	2, "
	2722 ₁	"	<i>submucronatus</i>.....Hall.	Pal. N. Y.	8, pt. 2	16	35	15, "
			"	"	4	221	35	10, d. v.
			"	N. Y. S. M.	10	62		
			"	Pal. N. Y.	3	419	96	7a-f
			H. & C.	St. G. N. Y.	2	....	58	5-7
	4872 ₁	"	<i>subumbona</i>.....Hall.	"	13	....	24	17, 18
			"	Pal. N. Y.	8, pt. 2	17	33	5-7
	4872 ₂	"	"	"	13	71		
			"	Pal. N. Y.	4	234	33	22-30
Ham.	4872 ₃	"	"	N. Y. S. M.	10	168		
	4872 ₄	"	<i>tenuis</i>.....Hall.	"	10	162		
			"	Pal. N. Y.	4	236		
	2722 ₂	"	<i>tribulis</i>.....Hall.	"	3	420	96	8a-e
Ham.	4652 ₁	"	<i>varicosus</i>.....Hall.	St. G. N. Y.	2	....	58	1, d. v.
			H. & C.	Pal. N. Y.	8, pt. 2	19	33	1, "
			"	N. Y. S. M.	10	130		
Ham.	4652 ₂	"	"	Pal. N. Y.	4	205	31	1-4
			"	St. G. N. Y.	2	....	59	4-8
			H. & C.	Pal. N. Y.	8, pt. 2	17	34	4-8
			<i>venustus</i>.....Hall.	"				
	4654 ₁	Type.	<i>Wortheni</i>.....Hall.	N. Y. S. M.	10	156		
			H. & C.	Pal. N. Y.	8, pt. 2	31	27	19, 20
Ham.			<i>ziczac</i> Hall (non Roemer).					
			<i>Spirigera</i> d'Orbigny.....					
Ham.			<i>spiri feroides</i>					

LOCALITY.	REMARKS.
Darien, N. Y.	A dorsal valve.
Louisville, Ky.	A small individual from the Falls of the Ohio river.
Clarke Co., Ind.	Two silicified individuals.
" "	The umbonal portion of the valves of an individual.
" "	An individual.
Buffalo, Iowa.	An individual and a somewhat crushed ventral valve. As type of <i>Spirifer capax</i> .
Mth. of Pine Crk., Ia.	Entire internal cast. See <i>Spirifer iowensis</i> .
Cumberland, Md.	Two silicified individuals with shell partly gone. See <i>Metaplasia pyxidata</i> .
Stafford, N. Y.	An exfoliated, imbedded ventral valve doubtfully referred to this species.
" "	A ventral valve, imbedded.
Schoharie, N. Y.	Individual preserving middle of cardinal area very perfectly.
Clarke Co., Ind.	The middle portion of a large ventral valve.
18 Mile Creek, N. Y.	Internal cast of a dorsal valve retaining some shell.
Cumberland, Md.	Two silicified individuals and a ventral valve.
" "	A silicified individual. As <i>Orthis subumbona</i> .
" "	" <i>Ambocelia subumbonata</i> (typographical error).
Near Alden, N. Y.	Three exfoliated individuals.
Shore of Lake Erie, N. Y.	As <i>Orthis subumbona</i> . A block bearing a score of individuals used in the original description, but not figured.
Cumberland, Md.	A silicified individual with part of shell missing.
" "	Two silicified individuals.
Falls of Ohio River.	Two individuals and two detached valves, silicified. See <i>Spirifer divaricatus</i> .
Near Hamburg, Ill.	Partly exfoliated. See <i>Spirifer consobrinus</i> .
" "	Synonym of <i>Athyris</i> . See <i>Athyris spiriferoides</i> .

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work	Vol.	P.	Pl.	Figs.
			Stenocisma Conrad.....					
			Streptorhynchus King.					
			<i>chemungense</i>					
			" var. <i>arctostriatum</i>					
			" " <i>pandora</i>					
			" " <i>perversum</i>					
			<i>hipparionyx</i>					
			Strophalosia King.					
Chem.	4635	Type.	<i>hystricula</i>.....Hall.	Pal. N. Y.	4	178	26	4, v. v.
Mar.	4377	"	<i>truncata</i>.....Hall.	N. Y. S. M.	10	171		
		"	" " " " " "	Pal. N. Y.	4	160	23	14, d. v.
"	4377	"	" " " " " "	" " "	4	160	23	15, v. v. X2
"	4	"	" " " " " "	" " "	4	160	23	17-20
		"	" " " " " "	St. G. N. Y.	2	....	17	12, 13
		"	<i>H. & C.</i>	" " "	11	....	21	3, 4
Ham.	4377	"	" " " " " "	Pal. N. Y.	8, pt. 1	316	17	12, 13
	5	"	" " " " " "	" " "	4	160	23	21, d. v. X2
"	4377	"	" " " " " "	" " "	4	160	23	22, 24
Mar.	4377	"	" " " " " "	Geol. N. Y.	4th D.	181	ct 71	4, int.
	1	"	" " " " " "	N. Y. S. M.	10	172	....	
		"	" " " " " "	Pal. N. Y.	4	....	23	12, int. X2
		"	" " " " " "	St. G. N. Y.	2	....	48	10, "
		"	" " " " " "	" " "	11	....	21	1, "
		"	<i>H. & C.</i>	Pal. N. Y.	8, pt. 1	3, 6	17	10, "
			Stropheodonta Hall.					
Ham.	4656	Type.	<i>concava</i>.....Hall.	N. Y. S. M.	10	140	....	
		"	" " " " " "	Pal. N. Y.	4	96	16	1h, int.
		"	" " " " " "	St. G. N. Y.	2	....	45	22, "
"	4657	Fig'd Sp.	<i>H. & C.</i>	Pal. N. Y.	8, pt. 1	....	14	
"	1	and G. T.	<i>demissa</i> (Con.).....Hall.	" " "	4	101	17	2b, f, g, n
"		"	" " " " " "	" " "	4	101	17	2d, r
		"	" " " " " "	St. G. N. Y.	2	....	45	7, 12
		"	<i>H. & C.</i>	" " "	11	281	14	3, int. v. v.
"		"	" " " " " "	Pal. N. Y.	8, pt. 1	286	14	7, 12
		"	" " " " " "	" " "	4	101	17	2S, int. d. v.
		"	" " " " " "	St. G. N. Y.	2	....	45	11, "
Chem.	4657	"	<i>H. & C.</i>	Pal. N. Y.	8, pt. 1	286	14	11, "
"	4657	"	" " " " " "	" " "	4	114	19	8, v. v.
"	4657	"	" " " " " "	" " "	4	114	19	9, "
"	4657	"	" " " " " "	" " "	4	114	19	10, "
"	4657	"	" " " " " "	" " "	4	114	19	11, "
U. H.	3040	Type.	<i>hemispherica</i>.....Hall.	N. Y. S. M.	10	113	....	
"	3040	"	" " " " " "	Pal. N. Y.	4	90	13	12, 13
"	3040	"	" " " " " "	" " "	4	90	14	2a, b
"	3	"	" " " " " "	" " "	4	90	14	2c, int.
"	3040	"	" " " " " "	" " "	4	90	14	2d, v. v.
Scho.	2819	"	<i>inaequiradiata</i>.....Hall.	N. Y. S. M.	10	113	....	
"	1	"	" " " " " "	Pal. N. Y.	4	87	11	26, 31
U. H.	2819	"	" " " " " "	" " "	4	87	12	12, int. v. v.
	5	"	" " " " " "	St. G. N. Y.	2	....	45	13, "
		"	<i>H. & C.</i>	Pal. N. Y.	8, pt. 1	....	14	13, "

LOCALITY.	REMARKS.
.....	The species which were placed under this genus in Pal. N. Y., vol. 4, were removed to the new genus <i>Camarotachia</i> in Pal. N. Y., vol. 8, pt. 2, and will be found under that name in this Catalogue, as far as their types exist in this Museum.
.....	See <i>Orthothetes chemungensis</i> .
.....	" " " var. <i>arctostriatus</i> .
.....	" " " " <i>pandora</i> .
.....	" " " " <i>perversum</i> .
.....	" <i>Hipparionyx proximus</i> .
Forestville, N. Y.	As <i>Productella hystricula</i> . Cast of ventral valve.
.....	" <i>Productus truncatus</i> .
Avon, N. Y.	" <i>Productella truncata</i> . External imprint of dorsal valve.
" "	" " " Exfoliated ventral valve, imbedded.
.....	" " "
.....	" " "
Schoharie, N. Y.	Two imbedded individuals.
Lake Erie Shore, N. Y.	As <i>Productella truncata</i> . An exfoliated dorsal valve, imbedded.
" "	From 11 miles south of Buffalo.
" "	As <i>Productella truncata</i> . Two opposite valves, imbedded together.
.....	From 10 miles south of Buffalo.
.....	As type of <i>Strophomena pustulosa</i> Hall.
.....	" <i>Productus</i> —
.....	" <i>Productella truncata</i> .
.....	" " "
Avon, N. Y.	Internal cast of dorsal valve.
.....	As <i>Strophomena (Strophodonta) concava</i> .
Canandaigua L., N. Y.	A large ventral valve. See also <i>Stropheodonta hemispherica</i> .
Darien, N. Y.	Three entire individuals.
" "	
" "	An entire individual and a ventral valve.
" "	
" "	A dorsal valve.
Chemung Creek, N. Y.	Internal cast of a distorted ventral valve.
Schuyler Co., N. Y.	" " " " " retaining some shell.
Bath, N. Y.	" " ventral valve. Steuben county.
Western New York.	" " " "
Fort Colborne, Ont.	As <i>Strophomena (Strophodonta) hemispherica</i> .
Louisville, Ky.	A somewhat exfoliated, nearly entire individual.
Falls of Ohio River.	As <i>Strophodonta concava</i> in expl. plate, by error. Ventral valve.
.....	Like preceding. Two imbedded dorsal valves, from which figure was made.
Columbus, Ohio.	Like preceding. Internal cast of ventral valve.
.....	As <i>Strophomena (Strophodonta) inequiradiata</i> .
Albany Co., N. Y.	Internal cast of ventral valve and external imprint of dorsal valve.
.....	Somewhat doubtfully referred to this species.
Avon, N. Y.	Internal cast of ventral valve.

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
U. H.	2812	Type.	Stropheodonta Hall—Cont.					
"	2819	"	<i>inæquiradiata</i>.....Hall.	Pal. N. Y.	4	87	13	6, ext. v. v.
"	2819	"	"....."	" "	4	87	13	7, "
"	2819	"	"....."	" "	4	87	13	8, 9
"	2819	"	"....."	" "	4	87	13	10, 11
			"....."	St. G. N. Y.	2	....	45	14, enl.
			H. & C.	Pal. N. Y.	8, pt. I	....	14	14, "
Orisk.	2861	"	<i>Lincklani</i>.....Hall.	N. Y. S. M.	10	55	....	....
"	"	Fig'd.	" ?....."	Pal. N. Y.	3	415	93	3a, b
"	"	"	" ?....."	" "	3	415	93	2a, ext. v. v.
"	2862	Type.	<i>magniventer</i>.....Hall.	N. Y. S. M.	10	54	....	....
			"....."	Pal. N. Y.	3	411	92	2a-c, 3
			"....."	St. G. N. Y.	2	....	44	25, int. v. v.
			H. & C.	Pal. N. Y.	8, pt. I	288	13	25, "
"	2862	"	".....Hall.	St. G. N. Y.	2	....	44	26, "
			H. & C.	Pal. N. Y.	8, pt. I	288	13	26, "
Chem.	4658	Fig'd.	<i>mucronata</i> (Con.)...Hall.	Geol. N. Y.	4th D.	267	ct. 120	5, 5a
Scho.	2822	Type.	<i>parva</i>.....Hall.	N. Y. S. M.	16	37	....	....
			"....."	Pal. N. Y.	4	85	11	11, v. v.
U. H.	3041	"	<i>Patersoni</i>.....Hall.	N. Y. S. M.	10	114	....	3, 4
			"....."	Pal. N. Y.	4	89	13	1, 2
			"....."	St. G. N. Y.	2	....	45	15, v. v.
			H. & C.	Pal. N. Y.	8, pt. I	....	14	15, "
"	3041	"	".....Hall.	" "	4	89	13	4, int. v. v.
"	3041	Fig'd.	" ?....."	" "	4	89	12	9-II
Ham.	4659	Type.	<i>plicata</i>.....Hall.	N. Y. S. M.	13	90	....	....
			"....."	Pal. N. Y.	4	114	63	30-32
Orisk.	2864	"	<i>vascularia</i>.....Hall.	" "	3	412	92	4, int. v. v.
"	2864	Fig'd.	" ?....."	" "	3	412	93	2b, c
Strophodonta Hall								
			<i>ampla</i>					
			<i>arcuata</i>					
			<i>cayuta</i>					
			<i>calata</i>					
			<i>fragilis</i>					
			<i>intermedia</i>					
			<i>magnifica</i>					
			<i>nacrea</i>					
			<i>perplana</i>					
			" var. <i>nervosa</i>					
Strophomena Raf. (Blainv.)								
			<i>acutiradiata</i>					
			<i>ampla</i>					
			<i>arctostriata</i>					
			<i>bifurcata</i>					
			<i>concava</i>					
			<i>depressa</i> , var. <i>ventricosa</i> ..					
			<i>fragilis</i>					
			<i>hemispherica</i>					
			<i>inaequiradiata</i>					
			<i>inaequistriata</i>					
			<i>interstitialis</i> Hall.....					
			<i>junia</i>					
			<i>Lincklani</i>					

LOCALITY.	REMARKS.
Clarence Hollow, N. Y. Unionville, N. Y. Schoharie, N. Y.	Somewhat exfoliated ventral valve, imbedded. A ventral valve, imbedded. Internal cast of a very large ventral valve.
Avon, N. Y.	Internal cast of a ventral valve.
Schoharie, N. Y.	As <i>Strophomena (Strophodonta) Lincklani</i> .
" " " "	Internal casts of two dorsal valves.
" " " "	Doubtfully referred to this species and is probably = <i>Leptostrophia magnifica</i> . A somewhat exfoliated ventral valve, imbedded.
" " " "	As <i>Strophomena (Strophodonta) magniventra</i> .
Schoharie, N. Y.	Internal casts of three ventral valves and an imbedded ventral valve.
Knox, N. Y.	Internal cast of ventral valve, imbedded.
Chemung, N. Y.	As <i>Strophomena interstitialis</i> Phillips. Ext. imprint of dorsal valve.
Albany Co., N. Y.	Exterior-interior imprint of a ventral valve.
" " " "	As <i>Strophomena (Strophodonta) Patersoni</i> .
The Helderbergs, N. Y.	Entire individual and an imperfect ventral valve, imbedded.
Seneca Co., N. Y.	Imperfect internal cast of a ventral valve.
Ontario Co., N. Y.	Imbedded ventral valve showing surface features very sharply. From "Lapham's Mill."
Near Iowa City, Ia.	Entire individual.
Helderberg Mts., N. Y.	Internal cast of ventral valve.
Knox, N. Y.	External imprints of two dorsal valves.
" " " "	The original spelling, <i>Stropheodonta</i> , is used in this Catalogue with the species kept under the genus.
" " " "	See <i>Strophonella ampla</i> .
" " " "	" <i>Douvillina arcuata</i> .
" " " "	" " <i>cayuta</i> .
" " " "	" <i>Strophonella calata</i> .
" " " "	" <i>Leptostrophia perplana</i> .
" " " "	" <i>Hipparionyx proximus</i> .
" " " "	" <i>Leptostrophia magnifica</i> .
" " " "	" <i>Pholidostrophia nacreata</i> .
" " " "	" <i>Leptostrophia perplana</i> .
" " " "	" " " var. <i>nervosa</i> .
" " " "	" <i>Chonetes acutiradiatus</i> .
" " " "	" <i>Strophonella ampla</i> .
" " " "	" <i>Orthotheses chemungensis</i> , var. <i>arctostriatus</i> .
" " " "	" " "
" " " "	" <i>Stropheodonta concava</i> .
" " " "	" <i>Leptana rhomboidalis</i> , var. <i>ventricosa</i> .
" " " "	" <i>Leptostrophia perplana</i> .
" " " "	" <i>Stropheodonta hemispherica</i> .
" " " "	" " <i>inaequiradiata</i> .
" " " "	" <i>Douvillina inaequistriata</i> .
" " " "	" " <i>cayuta</i> and <i>Stropheodonta mucronata</i> .
" " " "	" <i>Leptostrophia junia</i> .
" " " "	" <i>Stropheodonta Lincklani</i> .

Class BRACHIOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig d Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Strophomena Raf. (Bl.)—Con.					
			<i>magnifica</i>					
			<i>magniventra</i>					
			<i>mucronata</i>					
			<i>nacrea</i>					
			<i>nervosa</i>					
			<i>Patersoni</i>					
			<i>pectinacea</i>					
			<i>pustulosa</i> H. (non Phillips)					
			<i>rhomboidalis</i>					
			<i>rugosa</i> , var. <i>ventricosa</i>					
			<i>setigera</i>					
			<i>textilis</i>					
			Strophonella Hall.					
U. H.	$\frac{2820}{8}$	Type.	<i>ampla</i>	N. Y. S. M.	10	111		
			"	Pal. N. Y.	4	93	14	1a, b
"	$\frac{2820}{8}$	"	"	" "	4	93	14	1c, d
Scho.	$\frac{2820}{1}$	"	"	" "	4	93	14	1i, int. v. v.
			"	St. G. N. Y.	2	43		13, "
			H. & C.	Pal. N. Y.	8, pt. 1	293	12	13, "
Chem.	$\frac{4660}{1}$	"	<i>cælata</i>	" "	4	112	19	6, "
			"	St. G. N. Y.	2	43		21, "
			H. & C.	Pal. N. Y.	8, pt. 1	293	12	21, "
			Terebratula Llhwyd.					
			<i>elia</i>					
			<i>harmonia</i>					
			<i>jucunda</i>					
			<i>lens</i>					
			<i>Lincklani</i>					
			" var.					
			<i>navicella</i>					
			<i>planirostra</i>					
			<i>rectirostra</i>					
			<i>Romingeri</i>					
			<i>simulator</i>					
			Trematospira Hall.					
Ham.	$\frac{4661}{1}$	Type.	<i>gibbosa</i>	N. Y. S. M.	13	82		
			"	Pal. N. Y.	4	272	45	7-14
			H. & C.	" "	8, pt. 2	127	49	23-27
"	"	"	"	" "	4	272	45	15, int.
			<i>hirsuta</i>					
			<i>nobilis</i>					
			Trigleria Bayle (H. & C.).					
Ham.	$\frac{4662}{1}$	Type.	<i>lepada</i>	N. Y. S. M.	13	83		
			"	Pal. N. Y.	4	276	45	2-4, 6
			H. & C.	" "	8, pt. 2	274	50	26-38, 40
			Hall.	" "	2	56		3c, f
"	"	"	"	" "	4	276	45	5, d. v. X ²
			H. & C.	" "	8, pt. 2	274	50	39, "
			Vitulina Hall.					
Ham.	$\frac{4663}{1}$	Gen. and Sp. Type	<i>pustulosa</i>	N. Y. S. M.	13	82		
			"	Pal. N. Y.	4	410	62	1a, b
			H. & C.	" "	8, pt. 2	138	82	8, 9

LOCALITY.	REMARKS.
.....	See <i>Leptostrophia magnifica</i> .
.....	" <i>Stropheodonta magniventer</i> .
.....	" <i>Chonetes mucronatus</i> .
.....	" <i>Pholidostrophia naevia</i> .
.....	" <i>Leptostrophia perplana</i> , var. <i>nervosa</i> .
.....	" <i>Stropheodonta Patersoni</i> .
.....	" <i>Orthothetes chemungensis</i> .
.....	" <i>Strophalosia truncata</i> .
.....	" <i>Leptena rhomboidalis</i> .
.....	" " var. <i>ventricosa</i> .
.....	" <i>Chonetes setiger</i> .
.....	" <i>Leptostrophia junia</i> .
.....	As <i>Strophomena</i> (<i>Strophodonta</i>) <i>ampla</i> .
Schoharie, N. Y.	" <i>Strophodonta ampla</i> . A small dorsal valve, imbedded, and the internal cast of a larger one.
Stafford, N. Y.	As <i>Strophodonta ampla</i> . A nearly entire individual.
.....	" " "
Near Clarksville, N. Y.	Internal imprint of large ventral valve.
.....	As <i>Strophodonta calata</i> .
Near Blossburg, Pa.	Very perfect internal imprint of a ventral valve in fine sandstone.
.....	See <i>Cryptonella elia</i> .
.....	" <i>Eunella harmonia</i> .
.....	" <i>Cryptonella jucunda</i> .
.....	" " <i>lens</i> .
.....	" <i>Eunella Linckleni</i> .
.....	" " var.
.....	" <i>Cryptonella navicella</i> .
.....	" " <i>planirostra</i> .
.....	" " <i>rectirostra</i> .
.....	" <i>Cranæna Romingeri</i> .
.....	" <i>Eunella simulator</i> .
Canandaigua L., N. Y.	Four entire individuals.
" " "	A dorsal valve.
.....	See <i>Parazyga hirsuta</i> .
.....	" <i>Cyclorkina nobilis</i> .
.....	As <i>Rhynchospira lepida</i> .
.....	" " "
Canandaigua L., N. Y.	" <i>Atrypa camura</i> Hall. Entire individual.
.....	" <i>Rhynchospira lepida</i> .
Canandaigua L., N. Y.	Entire individual. The characters about the beak were completed from another specimen.
Onondaga Co., N. Y.	Two opposite valves, imbedded together. From "Tinker's Falls."

Class BRACHIOPODA—*Continued.*

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	4663 2	Gen. and Sp Type.	<i>Vitulina</i> Hall— <i>Continued.</i>					
			<i>pustulosa</i>.....Hall.	N. Y. S. M.	13	82	p. 72	1, <i>d. v.</i>
			" ".....Hall.	Pal. N. Y.	4	410	62	1c-f
			<i>H. & C.</i>	St. G. N. Y.	13	805	39	25-31, 36
"	4663 3	"	" ".....Hall.	Pal. N. Y.	8, pt. 2	138	82	14-16, 19, 25
			" ".....Hall.	N. Y. S. M.	13	82	p. 72	2, <i>int.</i> X 2
			" ".....Hall.	Pal. N. Y.	4	410	62	1h, i
			<i>H. & C.</i>	St. G. N. Y.	13	805	39	32, 33
			" ".....Hall.	Pal. N. Y.	8, pt. 2	138	82	17, 21

Kingdom MOLLUSCA.

			Actinodesma Sandberger. <i>subrectum</i>						
			Actinopteria Hall.						
Ham.	$\frac{4.6.4}{1}$	Fig'd.	Boyd (Conrad).... Hall.	Pal. N. Y.	5, pt. I	113	19	2, 5, 14	
"	$\frac{4.6.4}{2}$	"	" " " "	" "	5, pt. I	113	19	3, 6	
"	$\frac{4.6.4}{3}$	"	" " " "	" "	5, pt. I	113	19	4	
"	$\frac{4.6.4}{1}$	"	" " " "	" "	5, pt. I	113	19	8, 15	
"	$\frac{4.6.4}{1}$	"	" " " "	" "	5, pt. I	113	19	9, 16, 17	
"	$\frac{4.6.4}{2}$	"	" " " "	" "	5, pt. I	113	19	21	
"	$\frac{4.6.4}{3}$	"	" " " "	" "	5, pt. I	113	19	24, 30	
"	$\frac{4.6.4}{1}$	"	" " " "	" "	5, pt. I	113	19	26, 28, 29	
							84	16	
"	$\frac{4.6.5}{1}$	Type.	decussata.... Hall. (H.) Miller.	Geol. N. Y. Am. P. F.	4th D.	203	ct.82	I	
			Hall.	N. Y. S. M.	35	300			
"	$\frac{4.6.5}{2}$	"	" " " "	Pal. N. Y.	5, pt. I	111	18	I	
			(H.) Miller.	Geol. N. Y.	4th D.	203	ct.82	2	
			Hall.	Am. P. F.	202				
"	$\frac{4.6.5}{1}$	"	" " " "	Pal. N. Y.	5, pt. I	111	18	10	
"	$\frac{4.6.5}{2}$	"	" " " "	" "	5, pt. I	111	18	7	
"	$\frac{4.6.5}{3}$	"	" " " "	" "	5, pt. I	111	18	8, 12	
"	$\frac{4.6.5}{1}$	"	" " " "	" "	5, pt. I	111	18	13, 14	
							84	4, enl.	
"	$\frac{4.6.5}{1}$	"	" " " "	" "	5, pt. I	111	20	19	
Mar.	$\frac{4.6.5}{1}$	"	doris..... Hall.	N. Y. S. M.	35	298			
			" " " "	Pal. N. Y.	5, pt. I	109	17	4	
			" " " "	" "	5, pt. I	109	17	4	
Chem.	$\frac{4.6.6}{1}$	Fig'd.	epsilon?..... Hall.	" "	5, pt. I	122	23	5, 6	
			" " " "	" "	5, pt. I	122	23	5, 6	
			leander.....						
Ham.	$\frac{4.6.7}{1}$	Fig'd.	perobliqua (Con.)... Hall.	Pal. N. Y.	5, pt. I	116	19	31	
"	$\frac{4.6.8}{1}$	Type.	subdecussata (H.) Miller.	Am. P. F.	202		84	14	
			Hall.	Pal. N. Y.	5, pt. I	110	19	25	
			" " " "	N. Y. S. M.	35	298			
			" " " "	Pal. N. Y.	5, pt. I	110	19	25	
			Amnigenia Hall.						
One- onta.	$\frac{4.6.9}{1}$	Fig'd Sp. and G. T.	catskillensis (Vanux.) H.	Pal. N. Y.	5, pt. I	516	40	I-4	

LOCALITY.	REMARKS.
Canandaigua L., N. Y.	A very perfect individual. Figures are enlargements to 3 diameters.
Darien, N. Y.	A ventral valve of medium size and the internal cast of another.
Class LAMELLIBRANCHIATA.	
.....	See <i>Glyptodesma subrectum</i> .
Jefferson, N. Y.	Casts of two left valves and one right.*
Fultonham, N. Y.	An exfoliated left valve and the cast of a right.
?	Cast of left valve.
Jefferson, N. Y.	Casts of two opposite valves in block with <i>Nuculites cuneiformis</i> , fig. 16, pl. 47, and <i>Leda brevirostris</i> , figs. 38, 39, pl. 47.
Schoharie Co., N. Y.	Casts of three left valves.
Cazenovia, N. Y.	Exterior imprint of a right valve.
" "	Casts of two individuals together and of a right valve.
" "	Nearly entire cast of an individual.
.....	See also <i>Actinopteria epsilon</i> .
.....	As <i>Avicula decussata</i> .
.....	" <i>Pteronites decussata</i> .
18 Mile Creek, N. Y.	Large right valve, much exfoliated, imbedded. From the lake shore.
.....	As <i>Avicula decussata</i> .
.....	" <i>Pteronites decussata</i> .
York, N. Y.	Cast of left valve.
" "	Cast of left valve retaining a very little of the shell substance.
18 Mile Creek, N. Y.	Cast of left valve and a large left valve preserving much of shell.
Canandaigua L. or Genesee Valley, N. Y.	A well-preserved left valve, imbedded.
Madison Co., N. Y.	Internal cast of right valve.
.....	As type of <i>Actinopteria leander</i> Hall.
E. Bloomfield, N. Y.	Exterior-interior impr. left valve. Figure is not an enlargement.
.....	As <i>Actinopteria Boydi</i> .
Ithaca, N. Y.	Casts of two left valves "referred to this species with some doubt."
.....	See <i>Actinopteria doris</i> .
Cazenovia, N. Y.	Nearly entire cast of individual.
.....	As <i>Pteronites subdecussata</i> , nomen nudum.
Cazenovia, N. Y.	Cast of left valve.
Nr. Mt. Upton, N. Y.	Three casts. Last two figures are from one specimen. Locality is in Chenango county.

* The lamellibranchs of the New York Hamilton and Chemung strata are preserved for the most part as casts or moulds, many of which show both external and internal features of the shell with greater or less distinctness. The shell substance has almost always entirely disappeared. Here, as elsewhere in this Catalogue, the term "cast" is uniformly used for the convex specimen and "imprint" for the concave or matrix specimen.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Astarte Sowerby.					
			<i>subtextilis</i>					
			Avicula Klein.					
			<i>acanthoptera</i>					
			<i>decussata</i>					
			<i>levis</i>					
			<i>longispina</i>					
			<i>orbiculata</i>					
			<i>pecteniformis</i> Conrad.....					
			“ Hall.....					
			<i>recticosta</i>					
			<i>signata</i>					
			Aviculopecten McCoy.					
Ham.	4670	Fig'd	<i>bellus</i> (Conrad) ... Hall.	Pal. N. Y.	5, pt. I	35	2	5, 6
Chem.	4671	Type.	<i>cancellatus</i> Hall.	Geol. N. Y.	4th D.	265	ct. 119	4
			“ d'Orb.	Pr. d. Pal.	I	87		
			“ Hall.	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	7	12
			“	N. Y. S. M.	35	229		
			“	Pal. N. Y.	5, pt. I	18	7	12
“	4671	“	“	“	5, pt. I, Pl. & Ex.	....	7	16
			“	“	5, pt. I	18	7	16
“	4671	“	“	“	5, pt. I, Pl. & Ex.	....	7	18, 19
“	4672	“	<i>convexus</i> Hall.	Geol. N. Y.	5, pt. I	18	7	18, 19
			“	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	7	22, 23
			“	N. Y. S. M.	35	236		
“	4673	“	<i>dolabriformis</i> Hall.	Pal. N. Y.	5, pt. I	28	7	22, 23
			“	Geol. N. Y.	4th D.	265	ct. 119	9
			“	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	7	21
			“	N. Y. S. M.	35	235		
“	4674	“	<i>duplicatus</i> Hall.	Pal. N. Y.	5, pt. I	26	7	21
			“	Geol. N. Y.	4th D.	264	ct. 119	2
			“	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	7	2
			“	N. Y. S. M.	35	228		
“	4674	“	“	Pal. N. Y.	5, pt. I	17	7	2
“	4674	“	“	“	5, pt. I	17	7	1
“	4674	“	“	“	5, pt. I	17	7	3, 4
“	4674	“	“	“	5, pt. I	17	7	5, 7
Ham.	4675	“	<i>exactus</i> Hall.	“	5, pt. I, Pl. & Ex.	....	3	21
			“	N. Y. S. M.	35	221		
“	4676	“	<i>fasciculatus</i> Hall.	Pal. N. Y.	5, pt. I	8	3	21
			“	“	5, pt. I, Pl. & Ex.	....	5	9, 10, 12, 16
			“	N. Y. S. M.	35	224		
“	4676	“	“	Pal. N. Y.	5, pt. I	11	5	9, 10, 12, 16
			“	“	5, pt. I, Pl. & Ex.	....	5	15
			“	N. Y. S. M.	35	224		
“	4676	“	“	Pal. N. Y.	5, pt. I	11	5	15
“	4676	“	“	“	5, pt. I	11	5	17
“	4677	“	<i>formio</i> Hall.	“	5, pt. I, Pl. & Ex.	....	5	20
			“	N. Y. S. M.	35	222		
			“	Pal. N. Y.	5, pt. I	9	5	20

LOCALITY.	REMARKS.
.....	See <i>Euthydesma subtextile</i> .
.....	See <i>Leptodesma acanthopteron</i> .
.....	" <i>Actinopteria decussata</i> .
.....	" <i>Leiopteria laevis</i> .
.....	" <i>Leptodesma longispina</i> .
.....	" <i>Lyriopecten orbiculatus</i> .
.....	" <i>Aviculopecten pectiniiformis</i> .
.....	" <i>Pterinea chemungensis</i> .
.....	" <i>Aviculopecten recticosta</i> .
.....	" " <i>signatus</i> .
Cayuga Lake, N. Y.	Cast of two small left valves from near Norton's Landing.
.....	As <i>Pecten cancellatus</i> .
.....	As " <i>Halleanus</i> , Hall's name being preoccupied.
.....	As type of <i>Aviculopecten subcancellatus</i> .
.....	Referred back to old specific name.
Belmont, N. Y.	Very sharp cast of right valve.
.....	As type of <i>Aviculopecten subcancellatus</i> .
5 miles W. S. W. of Westfield, N. Y.	Weathered cast of right valve.
.....	As type of <i>Aviculopecten subcancellatus</i> .
Rockville, N. Y.	Cast of small left valve.
.....	As <i>Pecten</i> ? <i>convexus</i> .
.....	Referred to present species.
Rockville, N. Y.	Cast of left valve.
.....	As <i>Pecten</i> ? <i>dolabriformis</i> .
.....	Referred to present species.
Belmont, N. Y.	Cast of right valve. Figure is an enlargement to two diams.
.....	As <i>Pecten duplicatus</i> .
.....	Referred to present species.
Belmont, N. Y.	Cast of left valve.
Hobbierville, N. Y.	Cast of right valve. Allegany county.
Rockville, N. Y.	Cast of right valve and sharp external imprint of left valve, the latter used for the enlargement. Allegany county.
Belmont, N. Y.	Cast of two left valves.
Madison Co., N. Y.	Cast of left valve.
Fultonham, N. Y.	External imprints of three left valves and cast of right.
.....	As type of <i>Aviculopecten repletus</i> . Hall.
.....	Referred to present species.
Jeffersonville, N. Y.	Cast of left valve.
Cazenovia, N. Y.	Cast of left valve.
Fultonham, N. Y.	Imperfect cast of left valve.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Aviculopecten McCoy—Con.					
Ham.	4877 2	Type.	formio.....Hall.	Pal. N. Y.	5, pt. I	9	5	21
U. H.	4805 1	"	ignotus.....Hall.	" "	5, pt. I, Pl. & Ex.	....	I	2
			"	N. Y. S. M.	35	240		
			"	Pal. N. Y.	5, pt. I	33	I	2
Ham.	4878 1	"	lautus.....Hall.	" "	5, pt. I, Pl. & Ex.	....	3	17
			"	N. Y. S. M.	35	226		
			"	Pal. N. Y.	5, pt. I	14	3	17
							81	5
U. H.	4806 1	"	pectiniformis....Conrad.	J. A. N. S.	8	240	12	14
			"	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	I	9
			"	N. Y. S. M.	35	219		
			"	Pal. N. Y.	5, pt. I	4	I	9
Ham.	4879 1	"	phorcus.....Hall.	" "	5, pt. I, Pl. & Ex.	....	5	22
			"	N. Y. S. M.	35	223		
			"	Pal. N. Y.	5, pt. I	10	5	22
U. H.	8088 3	Fig'd.	princeps (Conrad) ..Hall.	" "	5, pt. I, Pl. & Ex.	....	I	10
			"	N. Y. S. M.	35	217	....	....
Ham.	8088 1	"	" " " "	Pal. N. Y.	5, pt. I	I	I	10
"	8088 5	"	" " " "	" "	5, pt. I	I	5	23
"	8088 6	"	" " " "	" "	5, pt. I	I	5	24
"	8088 7	"	" " " "	" "	5, pt. I	I	6	4-6
"	8088 8	"	" " " "	" "	5, pt. I	I	6	7
Orisk.	8088 1	Type.	recticosta.....Hall.	" "	3	466	109	3
			<i>repletus</i>.....Hall.					
Chem.	4880 1	Type.	rugistriatus.....Hall.	Geol. N. Y.	4th D.	264	ct. 119	3
			"	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	7	9, 10
			"	N. Y. S. M.	35	227		
"	4880 2	"	" " " "	Pal. N. Y.	5, pt. I	15	7	9, 10
"	4880 3	"	" " " "	" "	5, pt. I	15	7	8
"	4880 4	"	" " " "	" "	5, pt. I	15	7	11
			<i>sanduskyensis</i>.....Hall.					
Ham.	4881 1	Type.	scabridus.....Hall.	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	3	5
			"	N. Y. S. M.	35	220		
"	4881 2	"	" " " "	Pal. N. Y.	5, pt. I	7	3	5
"	4881 3	"	" " " "	" "	5, pt. I	7	3	12, enl.
Chem.	4882 1	"	signatus.....Hall.	Geol. N. Y.	4th D.	265	ct. 119	5
			"	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	7	24
			"	N. Y. S. M.	35	237		
"	4883 1	"	squama.....Hall.	Pal. N. Y.	5, pt. I	29	7	24
			"	" "	5, pt. I, Pl. & Ex.	....	7	20
			"	N. Y. S. M.	35	235		
"	4884 1	"	striatus.....Hall.	Pal. N. Y.	5, pt. I	27	7	20
			"	Geol. N. Y.	4th D.	265	ct. 119	7
			"	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	10	3, 4
			"	N. Y. S. M.	35	232		
			"	Pal. N. Y.	5, pt. I	22	10	3, 4
			<i>subcancellatus</i>.....Hall.					
			(Pterinopecten ?)					
U. H.	4807 1	Type.	terminalis.....Hall.	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	I	3
			"	N. Y. S. M.	35	239		
			"	Pal. N. Y.	5, pt. I	32	I	3
			<i>undulatus</i> H. (non McCoy)					

LOCALITY.	REMARKS.
Near Hamilton, N. Y.	Cast of a pair of expanded valves.
Near Victor, N. Y.	Cast of left valve, retaining small portion of shell.
York Centre, N. Y.	A left valve, imbedded.
.....	As <i>Avicula pecteniformis</i> .
.....	Referred to present genus.
Schoharie, N. Y.	A left valve, imbedded.
Schoharie Co., N. Y.	Cast of left valve.
.....	As <i>Aviculopecten sanduskyensis</i> Meek.
.....	Referred to the present species.
Falls of the Ohio River	An exfoliated left valve, imbedded.
Cayuga Lake, N. Y.	Somewhat imperfect cast of left valve.
Cazenovia, N. Y.	External imprint of right valve.
Madison Co., N. Y.	Casts of an individual and a left valve.
Borodino, N. Y.	Somewhat imperfect cast of a pair of expanded valves.
Helderberg Mts., N. Y.	As <i>Avicula recticosta</i> . External imprint of left valve.
.....	See <i>Aviculopecten fasciculatus</i> .
.....	As <i>Lima rugastriata</i> .
.....	Referred to present genus.
Rockville, N. Y.	Cast of left valve. Allegany county.
Belmont, N. Y.	Cast of left valve.
Rockville, N. Y.	Cast of right valve.
.....	See <i>Aviculopecten princeps</i> .
Schoharie Co., N. Y.	Imperfect cast of right valve.
Outlet L. Keuka, N. Y.	Cast of left valve.
.....	As <i>Avicula ? signata</i> .
Rockville, N. Y.	Cast of left valve. Fig. is an enl. to 2 diams. Allegany Co.
Belmont, N. Y.	Cast of right valve. Fig. is an enl. to 2 diameters.
.....	As <i>Pecten ? striatus</i> .
Painted Post, N. Y.	Cast of left valve.
.....	See <i>Aviculopecten cancellatus</i> .
.....	As <i>Pterinopecten terminalis</i> .
Williamsville, N. Y.	A left valve imbedded in block with <i>Conolichas eriopis</i> H., Pal.
.....	N. Y., vol. 7, pl. 19 A, fig. 12.
.....	See <i>Pterinopecten undosus</i> .

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Cardiola Broderip.					
			<i>doris</i>					
			<i>hero</i>					
			<i>radians</i>					
			<i>robusta</i>					
			<i>speciosa</i>					
			sp.	Pal. N. Y.	5, pt. 1, Pl. & Ex.		80	8
			Cardiomorpha de Koninck.					
			<i>bellatula</i>					
			<i>concentrica</i>					
			<i>cordatus</i>					
			<i>eripia</i>					
			<i>rotunda</i>					
			<i>textilis</i>					
			<i>undulata</i>					
			<i>zonata</i>					
			Cardiopsis M. & W.					
			<i>robusta</i>					
			Cardium Linné.					
			<i>vetustum</i>					
			Cimitaria H. & W.					
Ham.	4686	Fig'd.	<i>corrugata</i> (Con.) H. & W. Hall.	P. N. L. S. Pal. N. Y.	pt. 2 5, pt. 1	67 465		4
"	4686	"	<i>elongata</i> (Con.) H. & W. Hall.	P. N. L. S. Pal. N. Y.	pt. 2 5, pt. 1	69 466	77	5, 8
"	4687	Fig'd Sp. and G. T.	<i>recurva</i> (Con.) H. & W. Hall.	P. N. L. S. Pal. N. Y.	pt. 2 5, pt. 1	68 467	77	11-13, 16
			Clinopistha M. & W.					
U. H.	4216	Type.	<i>telliniformis</i>	Hall. Pal. N. Y.	5, pt. 1, Pl. & Ex.		51	31
			"	"	5, pt. 1	513	51	31
			Conocardium Bronn.					
			<i>attenuatum</i>					
Ham.	4688	Type.	<i>concinnum</i>	Hall. Pal. N. Y.	5, pt. 1, Pl. & Ex.			
"	4689	Fig'd.	<i>crassifrons</i> (Con.) ..	Hall. N. Y. S. M. Pal. N. Y.	5, pt. 1 13 5, pt. 1	414 91 412	68	26, 27 20-23
Scho.	2852	"	<i>cuneus</i> (Con.)	Hall. " "	5, pt. 1	409	67	24
"	2850	"	" <i>var. attenuatum</i> (Con.) H. Hall.	" " "	5, pt. 1, Pl. & Ex.		67	6
"	2850	"	" " " " " "	" " "	5, pt. 1	410	67	6
"	2850	"	" " " " " "	" " "	5, pt. 1, Pl. & Ex.		67	9
"	2852	Type.	" " <i>nasutum</i>	Hall. " " "	5, pt. 1, Pl. & Ex.		67	16, 18-20
U. H.	2853a	"	" " <i>trigonale</i>	Hall. Geol. N. Y. Pal. N. Y.	4th D. 5, pt. 1, Pl. & Ex.	172 ct. 67	67	16, 18-20 28
"	2853a	"	" " " " " "	" " "	5, pt. 1	410	67	14 28 14
"	2853a	"	" " " " " "	" " "	5, pt. 1, Pl. & Ex.		68	4-9
"	2853a	"	" " " " " "	" " "	5, pt. 1	410	68	4-9
"	2853a	"	" " " " " "	" " "	5, pt. 1, Pl. & Ex.		68	12, 13, 15, 1
Ham.	4690	"	<i>denticulatum</i>	Hall. " " "	5, pt. 1, Pl. & Ex.		68	24, 25
			"	" " "	5, pt. 1	413	68	24, 25

LOCALITY.	REMARKS.
.....	See <i>Paracardium doris</i> .
.....	" <i>Panenka hero</i> .
.....	" " <i>abrupta</i> , <i>P. potens</i> and <i>P. retusa</i> .
.....	" " <i>robusta</i> .
.....	" <i>Glyptocardia speciosa</i> .
.....	" <i>Panenka mollis</i> .
.....	" <i>Grammysia bellatula</i> .
.....	" " <i>zonata</i> .
.....	" " <i>globosa</i> .
.....	" " <i>eriopia</i> .
.....	" <i>Schizodus degener</i> .
.....	" <i>Euthydesma subtextile</i> .
.....	" " " "
.....	" <i>Grammysia zonata</i> .
.....	" <i>Panenka robusta</i> .
.....	" <i>Præcardium vetustum</i> .
Near Delphi, N. Y.	Cast of right valve.
Schoharie Co., N. Y.	Casts of a left valve and of an individual.
.....	Made type of genus <i>Cimitaria</i> .
Madison Co., N. Y.	Casts of two individuals.
.....	As <i>Dystactella telliniformis</i> , type of genus and species.
Western New York.	Cast of individual.
.....	See <i>Conocardium cuneus</i> , var. <i>attenuatum</i> .
Onondaga Co., N. Y.	Casts of two individuals. Loose blocks from Pratt's Falls.
.....	As type of <i>Conocardium eboraceum</i> Hall.
York, N. Y.	" " " " Two individuals.
Albany Co., N. Y.	A flattened individual and its matrix.
.....	As <i>Conocardium attenuatum</i> Conrad.
Albany Co., N. Y.	An imbedded individual.
.....	As <i>Conocardium attenuatum</i> Conrad.
Schoharie, N. Y.	Cast of individual.
.....	As type of <i>Conocardium nasutum</i> .
Schoharie, N. Y.	Two internal casts, each retaining some shell.
.....	As type of <i>Pleurorhynchus trigonalis</i> Hall.
.....	As <i>Conocardium trigonale</i> .
.....	" " " "
Williamsville, N. Y.	Internal cast retaining portions of shell, imbedded.
.....	As <i>Conocardium trigonale</i> .
Falls of Ohio River.	Two individuals, nearly entire.
.....	As <i>Conocardium trigonale</i> .
Columbus, Ohio.	Two individuals and an internal cast of another.
York, N. Y.	An imperfect individual.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl	Figs.
			Conocardium Bronn.— <i>Cont.</i>					
			<i>eboraceum</i>					
			<i>nasutum</i>					
Ham.	4891	Type.	normale..... Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.		68	17-19
			" " " "	" "	5, pt. 1	411	68	17-19
U. H.	4091	Fig'd.	ohioense (Meek).... Hall.	" "	5, pt. 1	411	68	2, l.v.
			<i>trigonale</i>					
			Crenipecten Hali.					
Chem.	4692	Fig'd.	amplus..... Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.		9	18
			" " " "	" "	5, pt. 1	81	9	18
"	4693	Gen. and Sp. Type.	crenulatus..... Hall.	Geol. N. Y.	4th D.	265	ct. 119	8
			" " " "	Pal. N. Y.	5, pt. 1, Pl. & Ex.		9	16, 17
			" " " "	" "	5, pt. 1	lxi		
			" " " "	" "	82	9		16, 17
"	"	"	" " " "	" "	5, pt. 1	82	9	7, 8
"	4694	Type.	glaber..... Hall.	Geol. N. Y.	4th D.	265	ct. 119	10
			" " " "	Pal. N. Y.	5, pt. 1, Pl. & Ex.		9	20
			" " " "	N. Y. S. M.	35	280		
			" " " "	Pal. N. Y.	5, pt. 1	85	9	20
"	4695	"	leon..... Hall.	" "	5, pt. 1, Pl. & Ex.		9	12
			" " " "	" "				
			" " " "	N. Y. S. M.	35	282		
			" " " "	Pal. N. Y.	5, pt. 1	88	9	12
			" " " "	" "		83		8
"	4696	"	micropterus..... Hall.	" "	5, pt. 1, Pl. & Ex.		9	23
			" " " "	N. Y. S. M.	35	280		
"	"	"	" " " "	Pal. N. Y.	5, pt. 1	86	9	23
"	4697	"	obsoletus..... Hall.	Geol. N. Y.	4th D.	265	ct. 119	11
			" " " "	Pal. N. Y.	5, pt. 1, Pl. & Ex.		9	21
			" " " "	N. Y. S. M.	35	279		
"	"	"	" " " "	Pal. N. Y.	5, pt. 1	84	9	21
			" " " "	" "	5, pt. 1	84	9	19
			Cypriocardella Hall.					
Ham.	4776	Fig'd.	bellistriata (Con.) H. & W.	P. N. L. S.	pt. 2	31		
			Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.		73	9, 13, 19
			" " " "	" "	5, pt. 1	308	73	9, 13, 19
"	4776	"	" " " "	" "	5, pt. 1, Pl. & Ex.		73	11
			" " " "	" "	5, pt. 1	308	73	11
"	4776	"	" " " "	" "	5, pt. 1, Pl. & Ex.		73	20-22
			" " " "	" "	5, pt. 1	308	73	20-22
"	4777	Type.	complanata.... H. & W.	P. N. L. S.	pt. 2	33		
			Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.		74	14, 16-18
			" " " "	" "	5, pt. 1	311	74	14, 16-18
"	4777	"	" (H. & W.).. Hall.	" "	5, pt. 1, Pl. & Ex.		74	19
			" " " "	" "	5, pt. 1	311	74	19

LOCALITY.	REMARKS.
.....	See <i>Conocardium crassifrons</i> .
.....	" " <i>cuneus</i> var. <i>nasutum</i> .
Cumberland, Md. Falls of Ohio River.	Casts of two individuals. Almost entire, somewhat exfoliated individual, imbedded. See <i>Conocardium cuneus</i> var. <i>trigonale</i> .
.....	As <i>Crenipecten crenulatus</i> ?
Rockville, N. Y.	Cast of left valve somewhat flattened. Allegany county. "Referred to this species with some doubt." As <i>Pecten</i> ? <i>crenulatus</i> .
.....	Genus <i>Crenipecten</i> established on p. 3 with <i>C. leon</i> and <i>C. crenulatus</i> referred to as examples.
.....	Mentioned as the sole type of the genus.
Rockville, N. Y.	Cast of left valve. Allegany county.
" "	Casts of two right valves in sep. blocks. See also <i>Crenipecten amplius</i> .
.....	As <i>Lima glaber</i> .
Belmont, N. Y.	Cast of left valve.
.....	Genus <i>Crenipecten</i> established on p. 3 with <i>C. leon</i> and <i>C. crenulatus</i> referred to as examples, but <i>C. crenulatus</i> alone is mentioned as the type of the genus on p. lxi of the regular edition of the volume.
Leon, N. Y.	Cast of left valve.
Belmont, N. Y.	Cast of right valve. Imprint of same is present.
.....	As <i>Lima</i> ? <i>obsoleta</i> .
Belmont, N. Y.	Cast of right valve.
" "	Cast of left valve.
.....	As <i>Microdon bellastrata</i> .
.....	" " (<i>Microdonella</i>) (<i>Eodon</i>) <i>bellistriatus</i> .
Nr. Ludlowville, N. Y.	" " (<i>Cypricardella</i>) <i>bellistriatus</i> . Casts of left valve and two right valves.
.....	As <i>Microdon</i> (<i>Microdonella</i>) (<i>Eodon</i>) <i>bellistriatus</i> .
Near Ithaca, N. Y.	" " (<i>Cypricardella</i>) <i>bellistriatus</i> . Cast of individual.
.....	" " (<i>Microdonella</i>) (<i>Eodon</i>) <i>bellistriatus</i> .
Nr. Ludlowville, N. Y.	" " (<i>Cypricardella</i>) <i>bellistriatus</i> . Casts of two pairs of expanded valves.
.....	As <i>Microdon</i> ? <i>complanatus</i> .
.....	" " (<i>Microdonella</i>) (<i>Eodon</i>) <i>complanatus</i> .
Jefferson, N. Y.	" " (<i>Cypricardella</i>) <i>complanatus</i> . Casts of two left and two right valves.
.....	As <i>Microdon</i> (<i>Microdonella</i>) (<i>Eodon</i>) <i>complanatus</i> .
Schoharie Co., N. Y.	" " (<i>Cypricardella</i>) <i>complanatus</i> . Int. cast of right valve.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	$\frac{4778}{1}$	Type.	Cypricardella Hall— <i>Cont.</i>	P. N. L. S.	pt. 2	32	....	.....
			<i>gregaria</i> H. & W.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	73	1, 4, 6
			Hall.	" "	5, pt. 1	309	73	1, 4, 6
Chem.	$\frac{4778}{2}$	"	" (H. & W.) Hall.	" "	5, pt. 1, Pl. & Ex.	....	74	1, 2
			" "	" "	5, pt. 1	309	74	1, 2
			" "	" "	5, pt. 1, Pl. & Ex.	....	74	3
			" "	" "	5, pt. 1	309	74	3
			" "	" "	5, pt. 1, Pl. & Ex.	....	74	4
Ham.	$\frac{4778}{3}$	"	" "	" "	5, pt. 1	309	74	4
			<i>tenuistriata</i> H. & W.	P. N. L. S.	pt. 2	32	....	.....
			Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	73	23
			" (H. & W.) Hall.	" "	5, pt. 1	310	73	23
			" "	" "	5, pt. 1, Pl. & Ex.	....	73	24, 25, 29, 30
			" "	" "	5, pt. 1	310	73	24, 25, 29, 30
			" "	" "	5, pt. 1, Pl. & Ex.	....	73	26
Ham. Scho.	$\frac{4778}{4}$	Fig'd.	" "	" "	5, pt. 1	310	73	26
			" "	" "	5, pt. 1, Pl. & Ex.	....	74	21
			" "	" "	5, pt. 1	310	74	21
			Cypricardia Lamarck.					
			<i>contracta</i>					
			<i>rhombea</i>					
			Cypricardinia Hall.					
Ham. Scho.	$\frac{4898}{1}$	Fig'd.	<i>indenta</i> (Conrad)... Hall.	Pal. N. Y.	5, pt. 1	485	79	12, 13
			<i>planulata</i> (Conrad)... Hall.	" "	5, pt. 1	484	79	1, 4, 5
			Cypricardites Conrad.					
			<i>altus</i>					
			<i>carinatus</i>					
			Cytherodon H. & W.					
			<i>appressus</i>					
Ham.	$\frac{4898}{1}$	Fig'd Sp. and G.T.	<i>chemungensis</i>					
			<i>gregarius</i>					
			<i>nasutus</i> Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	75	10-12
			" "	N. Y. S. M.	23	....	14	21
			" "	Pal. N. Y.	5, pt. 1	511	75	10-12
							95	30
			<i>oblatas</i>					
			<i>pauper</i>					
			<i>quadrangularis</i>					
			<i>rhombeus</i>					
Chem.	$\frac{4700}{1}$	Gen. and Sp. Type.	sp.....	N. Y. S. M.	23	....	14	21
			<i>Dystactella</i> Hall.....					
			<i>telliniiformis</i>					
			Ectenodesma Hall.					
			<i>birostratum</i> Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	23	27
			" "	N. Y. S. M.	35	399		
			" "	Pal. N. Y.	5, pt. 1	242	23	27
"	$\frac{4700}{2}$	"	" " " " " "	" "	5, pt. 1	242	23	28

LOCALITY.	REMARKS.
.....	As <i>Microdon gregaria</i> .
.....	" " (<i>Microdonella</i>) (<i>Eodon</i>) <i>gregarius</i> .
Jefferson Co., N. Y.	" " (<i>Cypricardella</i>) <i>gregarius</i> . Casts of one right and two left valves.
.....	As <i>Microdon</i> (<i>Microdonella</i>) (<i>Eodon</i>) <i>gregarius</i> ?
Cortland, N. Y.	" " (<i>Cypricardella</i>) <i>gregarius</i> . Casts of two opp. valves.
.....	" " (<i>Microdonella</i>) (<i>Eodon</i>) <i>gregarius</i> ?
Near Ithaca, N. Y.	" " (<i>Cypricardella</i>) <i>gregarius</i> . Cast of left valve.
.....	" " (<i>Microdonella</i>) (<i>Eodon</i>) <i>bellistriatus</i> Conrad.
Near Elmira, N. Y.	" " (<i>Cypricardella</i>) <i>gregarius</i> . Cast of left valve.
.....	" " <i>tenuistriatus</i> .
.....	" " (<i>Microdonella</i>) (<i>Eodon</i>) <i>tenuistriatus</i> .
Fultonham, N. Y.	" " (<i>Cypricardella</i>) <i>tenuistriatus</i> . Cast of right valve.
.....	" " (<i>Microdonella</i>) (<i>Eodon</i>) <i>tenuistriatus</i> .
Near Hamilton, N. Y.	" " (<i>Cypricardella</i>) <i>tenuistriatus</i> . Casts of two left and one right valve and of a pair of expanded valves.
.....	As <i>Microdon</i> (<i>Microdonella</i>) (<i>Eodon</i>) <i>tenuistriatus</i> .
Summit, N. Y.	" " (<i>Cypricardella</i>) <i>tenuistriatus</i> . Cast of a pair of expanded valves. Schoharie county.
.....	As <i>Microdonella</i> (<i>Microdonella</i>) (<i>Eodon</i>) <i>tenuistriatus</i> .
Worcester, N. Y.	" <i>Microdon</i> (<i>Cypricardella</i>) <i>tenuistriatus</i> . Cast of right valve.
.....	See <i>Sphenotus contractus</i> .
.....	" <i>Schizodus rhombeus</i> .
Cayuga Co. ?, N. Y.	Casts of two opposite valves. From "Hopeton?"
Schoharie, N. Y.	An imbedded right valve and the cast of an individual.
.....	See <i>Modiomorpha alta</i> .
.....	" <i>Goniophora carinata</i> .
.....	See <i>Schizodus appressus</i> and <i>S. chemungensis</i> .
.....	" <i>Schizodus chemungensis</i> .
.....	" " <i>gregarius</i> .
.....	As <i>Cytherodon</i> (<i>Schizodus</i>) <i>nasutus</i> .
.....	" " ———.
Hardy Co., Va.	Internal cast of individual.
.....	See <i>Edmondia rhomboidea</i> and <i>Schizodus chemungensis</i> .
.....	" <i>Paracyclas pauper</i> .
.....	" <i>Schizodus chemungensis</i> var. <i>quadrangularis</i> .
.....	" <i>Schizodus rhombeus</i> .
.....	" <i>Cytherodon nasutus</i> .
.....	Synonym of <i>Clinopistha</i> .
.....	See <i>Clinopistha telliniformis</i> .
4 miles north of Chenango Forks, N. Y.	Cast of right valve.
Franklin, N. Y.	Cast of left valve. Somewhat worn.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Edmondia de Koninck.					
			<i>burlingtonensis</i>					
			<i>obliqua</i>					
Chem.	47.01 1	Type.	Philipi.....H. & W. Hall.	P. N. L. S. Pal. N. Y.	pt. 2 5, pt. I	90 387	64	14, 29
"	"	"	"	" "	5, pt. I	387	95	4
"	47.02 1	"	rhomboidea..(H.) Miller. Hall.	Am. P. F. Pal. N. Y.	5, pt. I Pl. & Ex.	191	64	8
			"	" "	5, pt. I	386	94	8
			"	" "	5, pt. I	386	95	16
"	47.02 2	"	"	" "	5, pt. I Pl. & Ex.	75	42	
			"	" "	5, pt. I	386	75	42
			"	" "	5, pt. I	386	95	15
"	47.03 1	"	?subcarinata.....Hall.	" "	5, pt. I Pl. & Ex.	64	31	
"	47.03 1	"	subovata	" "	5, pt. I	389	64	19, 27, 28
			"	" "	5, pt. I Pl. & Ex.	64	19, 27, 28	
"	"	Fig'd.	" ?	" "	5, pt. I Pl. & Ex.	64	10	
"	47.04 2	"	" ?	" "	5, pt. I Pl. & Ex.	389	64	10
			"	" "	5, pt. I	389	64	21
"	47.05 1	Type.	tumidula	Hall.	5, pt. I	vi		
			"	" "	5, pt. I Pl. & Ex.	64	23	
			<i>undulata</i>	" "	5, pt. I	388	64	23
			Elymella Hall.					
Ham.	47.06 1	Type.	fabalis	Hall.	Pal. N. Y.	5, pt. I	502	40
			"	" "	5, pt. I Pl. & Ex.	40	5, 9	
Chem.	47.07 1	Fig'd.	nuculoides ?	Hall.	" "	5, pt. I	503	40
			"	" "	5, pt. I Pl. & Ex.	40	10	
			Euthydesma Hall.					
Port.	47.08 1	Gen. and Sp. Type.	subtextile.....Hall.	Geol. N. Y.	4th D.	246	ct. 107	6
			"	Pal. N. Y.	5, pt. I Pl. & Ex.	63	11	
			"	" "	5, pt. I	385	63	11
"	47.08 2	"	"	" "	5, pt. I Pl. & Ex.	63	12	
			"	" "	5, pt. I	385	63	12
"	47.08 3	"	"	" "	5, pt. I Pl. & Ex.	63	13	
			"	" "	5, pt. I	385	63	13
	"	"	"	" "	5, pt. I Pl. & Ex.	63	16	
			"	" "	5, pt. I	385	63	16
			Glossites Hall.					
Chem.	47.09 1	Type.	depressus.....Hall.	" "	5, pt. I	496	40	17
			"	" "	5, pt. I Pl. & Ex.	96	12	
			"	" "	5, pt. I	497	40	16, 19
"	47.10 1	Gen. and Sp. Type.	lingualis.....Hall.	" "	5, pt. I Pl. & Ex.	40	16, 19	
			"	" "	5, pt. I	495	40	12
Ham.	47.11 1	Type.	subtenuis.....Hall.	" "	5, pt. I Pl. & Ex.	40	12	

LOCALITY.	REMARKS.
.....	See <i>Edmondia subovata</i> and <i>E. tumidula</i> .
.....	" " <i>tumidula</i> .
Belmont, N. Y.	Casts of two valves in separate blocks.
" "	Cast of valve. See also <i>Edmondia subovata</i> .
.....	<i>Nomen nudum</i> .
N. of Panama, N. Y.	Cast of right valve.
.....	As <i>Cytherodon oblatus</i> .
Near Portville, N. Y.	Internal cast of left valve.
Near Olean, N. Y.	Cast of right valve in fine conglomerate.
Belmont, N. Y.	As <i>Edmondia burlingtonensis</i> W. & W. Casts of three right valves.
.....	As a type of <i>Edmondia Philipi</i> H. & W.
Belmont, N. Y.	Cast of left valve doubtfully referred to this species.
.....	As <i>Edmondia burlingtonensis</i> W. & W.
Near Ithaca, N. Y.	Cast of left valve referred with doubt to this species.
.....	Name proposed in the list of errata instead of <i>Edmondia obliqua</i> .
.....	As <i>Edmondia burlingtonensis</i> W. & W.
Rockville, N. Y.	As type of <i>Edmondia obliqua</i> Hall. Cast of right valve.
.....	See <i>Sanguinolites undulatus</i> .
Keuka Lake, N. Y.	As <i>Modiomorpha ? hyalea</i> H. & W. Casts of two pairs of expanded valves.
Speedsville, N. Y.	As <i>Modiomorpha ? hyalea</i> H. & W. Cast of right valve. From "Jones quarry."
.....	As <i>Astarte subtextilis</i> .
.....	As <i>Cardiomorpha textilis</i> .
Chautauqua Co., N. Y.	Cast of left valve. From the shore of L. Erie six miles northeast of Portland Harbor.
.....	As <i>Cardiomorpha textilis</i> .
Western New York.	Cast of left valve.
.....	As <i>Cardiomorpha textilis</i> .
Chautauqua Co., N. Y.	Cast of left valve. From the shore of Lake Erie.
.....	As a type of <i>Cardiomorpha undulata</i> .
Chautauqua Co., N. Y.	Imperfect cast of large left valve. From the shore of Lake Erie.
Buck's quarry, near Elmira, N. Y.	As <i>Modiomorpha ? amygdalina</i> Winchell. Cast of left valve.
Belmont, N. Y.	" " " " Casts of two opposite valves, in separate blocks.
Near Geneva, N. Y.	As <i>Mordiomorpha ? amygdalina</i> Winchell. Cast of right valve.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Gen.	4712	Gen. and Sp. Type.	Glyptocardia Hall.					
	1		speciosa.....Hall.	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	70	4
			" " " " " "	" "	5, pt. I	426	70	4
			" " " " " "	" "	5, pt. I, Pl. & Ex.	....	70	5-8
Port.	4712	"	" " " " " "	" "	5, pt. I	426	70	5-8
Ham.	4713	Fig'd Sp. and G.T.	Glyptodesma Hall.					
	1		erectum (Conrad) .. Hall.	Pal. N. Y.	5, pt. I	153	11	1, 2
			" " " " " "	" "	"	"	13	15
	4713		" " " " " "	" "	5, pt. I	153	11	3
	2		" " " " " "	" "	5, pt. I	153	11	4
	4713		" " " " " "	" "	5, pt. I	153	11	6
	4713		" " " " " "	" "	5, pt. I	153	11	9
	4713		" " " " " "	" "	5, pt. I	153	11	10
	4713		" " " " " "	" "	5, pt. I	153	12	2, 7
	4713		" " " " " "	" "	5, pt. I	153	12	3
	4713		" " " " " "	" "	5, pt. I	153	12	9
	4713		" " " " " "	" "	5, pt. I	153	13	1, 2
	4713		" " " " " "	" "	5, pt. I	153	13	3, 4
	4713		" " " " " "	" "	5, pt. I	153	13	12, 13
	4713		" " " " " "	" "	5, pt. I	153	13	14
	4713		" " " " " "	" "	5, pt. I	153	25	15
	4714		" var. obliquum Hall.	" "	5, pt. I, Pl. & Ex.	....	13	5-7
	4713		" " " " " "	" "	5, pt. I	155	13	5-7
	4713		" " " " " "	" "	5, pt. I	155	13	8-10
U. H.	4720	"	occidentale.....Hall.	" "	5, pt. I, Pl. & Ex.	....	15	12
	1	"	" " " " " "	" "	5, pt. I	157	15	12
		"	" " " " " "	" "	"	"	86	9
Ham.	4714	"	subrectum.....Whitfield.	N. Y. A. S.	2	215	....	....
	1	"	" " " " " "	" "	5	557	11	20
		"	" " " " " "	Geol. O.	7	450	7	20
	4715	"	Goniophora Phillips.					
			acuta.....H. & W.	P. N. L. S.	pt. 2	37	....	....
			" " " " " "	Pal. N. Y.	5, pt. I	295	43	1, 2
			" (H. & W.) " " "	" "	5, pt. I	295	43	3
			carinata.....Conrad.	Geol. N. Y.	1841	53	1	21
			" " " " " "	Pal. N. Y.	5, pt. I	301	44	8
			" (Conrad) .. Hall.	" "	5, pt. I	301	44	6
			" " " " " "	" "	5, pt. I	301	44	7
			glabra.....	" "	"	"	"	"
			glaucus.....H. & W.	P. N. L. S.	pt. 2	38	....	....
			" " " " " "	Pal. N. Y.	5, pt. I	299	43	16
			" (H. & W.) H.	" "	5, pt. I, Pl. & Ex.	....	44	15
			" " " " " "	" "	5, pt. I	....	44	15
			hamiltonensis. H. & W.	P. N. L. S.	pt. 2	....	36	....
			" " " " " "	Pal. N. Y.	5, pt. I	296	43	8, 13, 18
			" (H. & W.) H.	" "	5, pt. I	296	43	9-11
	4718	"	" " " " " "	" "	5, pt. I	296	43	15
			" " " " " "	" "	5, pt. I	296	43	21
			" " " " " "	" "	5, pt. I	296	43	5
			rugosa (Conrad)....Hall.	" "	5, pt. I	297	43	5
			" " " " " "	" "	5, pt. I, Pl. & Ex.	....	44	1, 2
			" " " " " "	" "	5, pt. I	298	44	1, 2
	4720	"	" " " " " "	" "	5, pt. I	298	44	3, 5

LOCALITY.	REMARKS.
Ontario Co., N. Y.	As <i>Cardiola speciosa</i> . Cast of right valve.
Nr. Branchport, N. Y.	As <i>Cardiola speciosa</i> . Four casts. All the figures are enlargements.
Schoharie Co., N. Y.	Cast of an individual.
Hamilton, N. Y.	Cast of left valve.
Fultonham, N. Y.	Exfoliated right valve, imbedded.
Madison Co. ? N. Y.	Cast of right valve.
Sherburne ?, N. Y.	Cast of left valve.
Summit, N. Y.	Cast of left valve with greatly extended hinge line. Schoharie Co.
Cazenovia, N. Y.	Casts of two individuals.
Nr. Hamilton, N. Y.	Cast of left valve.
Jefferson, N. Y.	Cast of left valve retaining small portion of shell.
Nr. Hamilton, N. Y.	Casts of two individuals.
Onondaga Co., N. Y.	Indiv. retaining much of the shell, part of wh. adheres to the matrix.
Nr. Hamilton, N. Y.	Upper portion of internal cast of a left valve. From Pratt's Falls.
Otsego Co., N. Y.	Cast of right valve. The other valve is in the block. Internal cast of right valve.
Madison Co., N. Y.	Cast of left valve.
Onondaga Co., N. Y.	Nearly entire internal cast retaining part of the left valve.
Falls of Ohio River.	Cast of left valve.
Franklin Co., Ohio.	As <i>Actinodesma subrecta</i> . " " " Imprint of left valve retaining some shell. From Fishinger's quarry.
Canandaigua L., N. Y.	As <i>Sanguinolites acutus</i> . Cast of left valve.
Near Oneonta, N. Y.	Cast of conjoined valves, somewhat crushed. As <i>Cypricardites carinatus</i> . Cast of left valve. The figure on Conrad's plate was reversed in lithographing it.
Schoharie Co., N. Y.	Cast of small left valve.
Oneonta, N. Y.	Cast of right valve. From Copley's quarry.
Cayuga Lake, N. Y.	See <i>Goniophora glaucus</i> . As <i>Sanguinolites glaucus</i> . Cast of somewhat compressed individual.
Kelloggsville, N. Y.	As <i>Goniophora glabra</i> , by error. Cast of elongate left valve.
Fultonham, N. Y.	As <i>Sanguinolites hamiltonensis</i> . Casts of three right valves, one of which (fig. 13) retains some shell.
Schoharie Co., N. Y.	Cast of three left valves.
Fultonham, N. Y.	Cast of large individual with expanded valves.
Schoharie Co., N. Y.	Cast of individual with valves partly expanded.
Cayuga Lake, N. Y.	Very perfect cast of large left valve.
Delphi, N. Y.	Crushed cast of individual. Cast of one right valve and imprint of another.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	4721	Type.	Gosselettia Barrois.					
			triquetra..... <i>Conrad.</i>	Geol. N. Y.	1838	116		
			<i>H. & W.</i>	P. N. L. S.	pt. 2	22		
			<i>Hall.</i>	Pal. N. Y.	5, pt. I	265	31	10
	4721	Fig'd.	" (Con.).... <i>Hall.</i>	" "	5, pt. I	265	31	9
	4721	"	" " " "	" "	5, pt. I	265	31	17
			Grammysia de Verneuil.					
	4722	"	alveata (<i>Conrad</i>)... <i>Hall.</i>	" "	5, pt. I	370	60	5
	4722	"	" " " "	" "	5, pt. I	370	60	9, 10
	4722	"	" " " "	" "	5, pt. I	370	57	1
						60	11	
	4722	"	arcuata (<i>Conrad</i>)... <i>Hall.</i>	" "	5, pt. I, Pl.&Ex.	...	61	6, 7
			" " " "	" "	5, pt. I	373	61	6, 7
	4722	"	" " " "	" "	5, pt. I, Pl.&Ex.	...	61	8
			" " " "	" "	5, pt. I	373	61	8
Chem. Ham.	4723	Type.	bellatula..... <i>H. & W.</i>	P. N. L. S.	pt. 2	92		
			<i>Hall.</i>	Pal. N. Y.	5, pt. I, Pl.&Ex.	...	63	1-3
			" " " "	" "	5, pt. I	367	63	1-3
	4723	Fig'd.	bisulcata (<i>Conrad</i>)... <i>Hall.</i>	" "	5, pt. I	359	54	2
	4723	"	" " " "	" "	5, pt. I	359	54	7
	4723	"	" " " "	" "	5, pt. I	359	54	8, 9, 11
	4723	"	" " " "	" "	5, pt. I	359	54	16
	4723	"	" " " "	" "	5, pt. I	359	56	1
	4723	"	" " <i>Whitf.</i>	N. Y. A. S.	5	559	11	19
			" " " "	Geol. O.	7	451	7	19
	4723	Type.	circularis..... <i>H. & W.</i>	P. N. L. S.	pt. 2	51		
			<i>Hall.</i>	Pal. N. Y.	5, pt. I	364	57	3-5
	4723	"	" (<i>H. & W.</i>) <i>Hall.</i>	" "	5, pt. I	364	57	6
	4727	"	constricta..... <i>H. & W.</i>	P. N. L. S.	pt. 2	58		
			<i>Hall.</i>	Pal. N. Y.	5, pt. I	377	59	14, 15, 20
Chem. Ham.	4727	"	" (<i>H. & W.</i>) <i>Hall.</i>	" "	5, pt. I	377	59	17
	4727	"	" " " "	" "	5, pt. I, Pl.&Ex.	...	78	27
			" " " "	" "	5, pt. I	377	78	27
	4728	"	elliptica..... <i>H. & W.</i>	P. N. L. S.	pt. 2	53		
			<i>Hall.</i>	Pal. N. Y.	5, pt. I	365	58	2
	4728	"	" (<i>H. & W.</i>) <i>Hall.</i>	" "	5, pt. I	365	58	4
	4728	"	" " " "	" "	5, pt. I	365	58	3, 5, 6, 8, 9
	4728	"	erecta..... <i>H. & W.</i>	P. N. L. S.	pt. 2	52		
			<i>Hall.</i>	Pal. N. Y.	5, pt. I, Pl.&Ex.	...	56	8
			" " " "	" "	5, pt. I	363	56	8
	4729	"	" (<i>H. & W.</i>) <i>Hall.</i>	" "	5, pt. I, Pl.&Ex.	...	57	10
			" " " "	" "	5, pt. I	363	57	10
	4730	"	eriopina..... <i>H. & W.</i>	P. N. L. S.	pt. 2	92		
			<i>Hall.</i>	Pal. N. Y.	5, pt. I, Pl.&Ex.	...	63	7
			" " " "	" "	5, pt. I	368	63	7
Chem. Ham.	4731	"	globosa..... <i>H. & W.</i>	P. N. L. S.	pt. 2	57		
			<i>Hall.</i>	Pal. N. Y.	5, pt. I, Pl.&Ex.	...	62	11, 12, 14-19
			" " " "	" "	5, pt. I	372	62	11, 12, 14-19
	4732	"	lirata..... <i>H. & W.</i>	P. N. L. S.	pt. 2	57		
			<i>Hall.</i>	Pal. N. Y.	5, pt. I	371	59	7, 12
	4732	"	" (<i>H. & W.</i>) <i>Hall.</i>	" "	5, pt. I	371	59	10
	4733	"	magna..... <i>H. & W.</i>	P. N. L. S.	pt. 2	50		
			<i>Hall.</i>	Pal. N. Y.	5, pt. I, Pl.&Ex.	...	56	2, 3
			" " " "	" "	5, pt. I	362	56	2, 3
	4733	"	" (<i>H. & W.</i>) <i>Hall.</i>	" "	5, pt. I	362	56	5

LOCALITY.	REMARKS.
.....	As <i>Pterinea triquetra</i> .
.....	" <i>Mytilarca triquetra</i> .
Oneonta, N. Y.	Cast of very ventricose individual supposed to be Conrad's orig. type.
"	Cast of left valve.
Madison Co., N. Y.	Cast of right valve.
Schoharie Co., N. Y.	Most probably a vertically crushed specimen of <i>Grammysia lirata</i> .
Warnersville, N. Y.	Internal cast of large individual.
Nr. Sherburne, N. Y.	Vertically compressed cast of individual.
.....	As <i>Grammysia</i> (<i>Leptodomus</i> ?) <i>arcuata</i> .
Schoharie Co., N. Y.	Cast of individual.
.....	As <i>Grammysia</i> (<i>Leptodomus</i> ?) <i>arcuata</i> .
Nr. Fultonham, N. Y.	Cast of right valve.
.....	As <i>Cardiomorpha bellatula</i> .
.....	" " "
York Centre, N. Y.	Casts of two opposite valves in same block.
Schoharie Co., N. Y.	Cast of right valve. From "Bear's Gulf."
Hamilton, N. Y.	Cast of an individual, laterally compressed.
Madison Co., N. Y.	Casts of two individuals.
Fultonham, N. Y.	Cast of pair of expanded valves.
Ludlowville, N. Y.	Cast of pair of expanded valves.
Near Columbus, O.	Cast of right valve.
Blenheim, N. Y.	Cast of pair of expanded valves and one of an individual.
Ithaca, N. Y.	Cast of individual somewhat crushed, not entire.
.....	As <i>Grammysia</i> (<i>Leptodomus</i> ?) <i>constricta</i> .
Seneca Lake, N. Y.	Compressed casts of a right valve and of an individual.
Ludlowville, N. Y.	Cast of left valve.
.....	As <i>Pholadella constricta</i> .
Otsego Co., N. Y.	Cast of right valve.
Belvidere, N. Y.	Cast of left valve.
Ithaca, N. Y.	Cast of individual. From McCormack's quarry.
Belmont, N. Y.	Casts of one right and three left valves.
.....	As <i>Grammysia magna</i> , by error.
Fultonham, N. Y.	Imperfect cast of right valve.
.....	As <i>Grammysia magna</i> , by error.
Near Fultonham, N. Y.	Umbonal part of cast of right valve. From "Bear's Gulf"?
.....	As <i>Cardiomorpha eriopia</i> .
.....	" " "
Seneca Lake, N. Y.	Cast of right valve.
.....	As types of <i>Cardiomorpha cordatus</i> Hall.
Near Hamilton, N. Y.	Casts of three pairs of conjoined valves.
Schoharie Co., N. Y.	Casts of two individs. Fig. 12 prob. of a young <i>Grammysia alveata</i> .
Fultonham, N. Y.	Cast of an individual, vertically compressed, incomplete.
Fultonham, N. Y.	As <i>Grammysia nodocostata</i> ? Cast, entire.
Ithaca, N. Y.	Cast of individual somewhat compressed laterally and not quite entire.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Grammysia de Vern.— <i>Cont.</i>					
Ham.	4732 ² ₁	Type.	magna..(H. & W.) Hall.	Pal. N. Y.	5, pt. I	362	56	6
"	4733 ⁴ ₁	"	nodocostata....H. & W.	P. N. L. S.	pt. 2	50		
"	"	"	" (H. & W.) Hall.	Pal. N. Y.	5, pt. I	360	55	1, 5, 6
"	4735 ⁵ ₁	"	obsoleta.....H. & W.	P. N. L. S.	5, pt. I	360	55	7-9
"	"	"	" (H. & W.) Hall.	Pal. N. Y.	pt. 2	60		
"	4736 ⁶ ₂	"	" (H. & W.) Hall.	Pal. N. Y.	5, pt. I	366	59	21-23
"	4738 ⁸ ₃	"	" (H. & W.) Hall.	"	5, pt. I	366	59	24, 27
U. H.	4739 ⁹ ₁	"	secunda.. ....H. & W.	P. N. L. S.	5, pt. I	366	59	25
Chem.	4739 ⁹ ₁	"	subarcuata ....H. & W.	Pal. N. Y.	pt. 2	54		
"	4739 ⁹ ₁	"	" (H. & W.) Hall.	Pal. N. Y.	5, pt. I	376	59	2, 3
"	4739 ⁹ ₁	"	" (H. & W.) Hall.	P. N. L. S.	pt. 2	61		
"	4739 ⁹ ₁	"	" (H. & W.) Hall.	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	61	10, 16, 17
"	4739 ⁹ ₁	"	" (H. & W.) Hall.	"	5, pt. I	375	61	10, 16, 17
"	4739 ⁹ ₁	"	" (H. & W.) Hall.	"	5, pt. 5, Pl. & Ex.	....	61	12
"	4739 ⁹ ₁	"	" (H. & W.) Hall.	"	5, pt. I	375	61	12
"	4739 ⁹ ₁	"	" (H. & W.) Hall.	"	5, pt. 1, Pl. & Ex.	....	61	13, 14, 21
"	4739 ⁹ ₁	"	" (H. & W.) Hall.	"	5, pt. I	375	61	13, 14, 21
"	4739 ⁹ ₁	"	" (H. & W.) Hall.	"	5, pt. 1, Pl. & Ex.	....	61	15
"	4739 ⁹ ₁	"	" (H. & W.) Hall.	"	5, pt. I	375	61	15
"	4739 ⁹ ₁	"	undata.....Hall.	"	5, pt. I	379	61	23
"	4739 ⁹ ₁	"	" (H. & W.) Hall.	"	5, pt. 1, Pl. & Ex.	....	61	23
Ham.	4738 ⁸ ₁	"	zonata.....Hall.	"	5, pt. 1, Pl. & Ex.	....	63	5
"	4738 ⁸ ₂	"	" (H. & W.) Hall.	"	5, pt. I	373	63	5
"	4738 ⁸ ₃	"	" (H. & W.) Hall.	"	5, pt. 1, Pl. & Ex.	....	63	4
"	4738 ⁸ ₄	"	" (H. & W.) Hall.	"	5, pt. I	373	63	4
"	4739 ⁹ ₁	"	(Sphenomya) cuneata.....Hall.	"	5, pt. 1, Pl. & Ex.	....	62	3
"	4739 ⁹ ₁	"	" (H. & W.) Hall.	"	5, pt. I	383	62	3
"	4739 ⁹ ₁	"	" (H. & W.) Hall.	"	5, pt. I	383	62	6, 7
"	4740 ⁰ ₁	"	Leda Schumacher.					
"	4740 ⁰ ₁	"	brevirostris....H. & W.	P. N. L. S.	pt. 2	6		
"	4740 ⁰ ₁	"	" (H. & W.) Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	47	38, 39
"	4740 ⁰ ₁	"	" (H. & W.) Hall.	"	5, pt. I	329	47	38, 39
"	4741 ¹ ₁	"	diversa.....Hall.	"	5, pt. 1, Pl. & Ex.	....	47	31
"	4741 ¹ ₁	"	" (H. & W.) Hall.	"	5, pt. I	329	47	31
"	4742 ² ₁	"	Leiopteria Hall.					
"	4742 ² ₁	"	Bigsbyi.....Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	20	3
"	4742 ² ₁	"	" (H. & W.) Hall.	N. Y. S. M.	35	340		
"	4742 ² ₁	"	" (H. & W.) Hall.	Pal. N. Y.	5, pt. I	165	20	3
"	4742 ² ₁	"	Conradi.....Hall.	"	5, pt. 1, Pl. & Ex.	....	20	4
"	4742 ² ₁	"	" (H. & W.) Hall.	N. Y. S. M.	35	335		
"	4742 ² ₁	"	" (H. & W.) Hall.	Pal. N. Y.	5, pt. I	159	20	4
"	4742 ² ₁	"	" (H. & W.) Hall.	"	5, pt. I	88		
"	4742 ² ₁	"	" (H. & W.) Hall.	"	5, pt. 1, Pl. & Ex.	....	20	12
"	4742 ² ₁	"	" (H. & W.) Hall.	N. Y. S. M.	35	336		
"	4742 ² ₁	"	" (H. & W.) Hall.	Pal. N. Y.	5, pt. I	160	20	12

LOCALITY.	REMARKS.
?, New York.	Cast of left valve. See also <i>Grammysia erecta</i> .
Madison Co., N. Y.	Casts of pair of expanded valves and of an entire individual.
" " " "	Cast of indiv., vertically compressed. See also <i>Grammysia magna</i> .
Cazenovia, N. Y.	Cast of individual.
Nr. Fultonham, N. Y.	Cast of left valve.
Schoharie Co., N. Y.	Cast of pair of expanded valves.
Clarence Hollow, N. Y.	Cast of individual.
.....	As <i>Grammysia (Leptodomus?) subarcuata</i> .
Near Elmira, N. Y.	Two casts of individ., somewhat crushed. From Handy's quarry.
.....	As <i>Grammysia (Leptodomus?) subarcuata</i> .
Chemung, N. Y.	Cast of left valve.
.....	As <i>Grammysia (Leptodomus?) subarcuata</i> .
Near Elmira, N. Y.	Two casts of individuals, one compressed laterally, the other vertically. Umbo restored in fig. 21.
.....	As <i>Grammysia (Leptodomus?) subarcuata</i> .
Near Elmira, N. Y.	Cast of right valve and its imprint. The figure is a combination of the features shown in both. From Buck's quarry.
Near Panama, N. Y.	As <i>Grammysia (Leptodomus?) hannibalensis</i> Shumard. Cast of left valve.
.....	As <i>Cardiomorpha zonata</i> .
Western New York.	Cast of pair of expanded valves.
Schoharie Co., N. Y.	As <i>Cardiomorpha concentrica</i> .
.....	Cast of left valve. Figure is an enlargement to two diameters.
New Berlin, N. Y.	Cast of right valve, somewhat compressed vertically.
Nr. Fultonham, N. Y.	Casts of two individuals, nearly entire.
.....	Generic reference queried.
.....	As <i>Leda (Nuculana) brevirostris</i> .
Jefferson, N. Y.	Casts of two left valves in the block with <i>Actinopteria Boydi</i> , figs. 8, 15, pl. 19, and <i>Nuculites cuneiiformis</i> , fig. 16, pl. 47, same vol.
.....	As <i>Leda (Nuculana) diversa</i> .
Canandaigua L., N. Y.	Cast of right valve.
Smyrna, N. Y.	Cast of left valve on the block with <i>Tellinopsis subemarginata</i> , fig. 23, pl. 76, same volume.
Skaneateles L. ?, N. Y.	Cast of left valve.
Catherine Tp., N. Y.	Partly exfoliated left valve, imbedded. Found loose.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.								
				Work.	Vol.	P.	Pl.	Figs.				
Mar.	4390 1	Type.	Leiopteria Hall—Cont.									
			laevis.....Hall.	Geol. N. Y.	4th D.	181	ct. 71	6				
			(Hall) Miller.	Am. P. F.	.....	202	.....	.....				
			Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	.....	17	10				
"	"	"	"	N. Y. S. M.	35	334	.....	.....				
			"	Pal. N. Y.	5, pt. 1	158	17	10				
			"	"	5, pt. 1	158	17	9				
			"	"	5, pt. 1, Pl. & Ex.	.....	20	8				
Ham.	4745 1	"	Mitchelli.....Hall.	"	"	.....	20	8				
"	"	"	"	N. Y. S. M.	35	341	.....	.....				
			"	Pal. N. Y.	5, pt. 1	166	20	8				
			"	"	5, pt. 1, Pl. & Ex.	.....	15	11				
			"	N. Y. S. M.	35	336	.....	.....				
U. H.	4808 1	"	Rafinesquii.....Hall.	"	"	.....	15	11				
"	"	"	"	Pal. N. Y.	5, pt. 1	161	15	11				
			Leptodesma Hall.									
			acanthopteron.....Hall.	Geol. N. Y.	4th D.	264	ct. 118	2				
			"	"	Pal. N. Y.	5, pt. 1, Pl. & Ex.		21	40			
"	"	"	"	N. Y. S. M.	35	363	.....	.....				
			"	Pal. N. Y.	5, pt. 1	195	21	40				
			"	4747 1	"	aliforme.....Hall.	"	"	5, pt. 1, Pl. & Ex.		22	28
						"	N. Y. S. M.	35	382			
"	Pal. N. Y.	5, pt. 1				220	22	28				
"	"	"				.....	91	2				
"	4748 1	"	Becki.....Hall.	"	"	5, pt. 1, Pl. & Ex.		22	3, 5			
			"	N. Y. S. M.	35	355	.....	.....				
			"	Pal. N. Y.	5, pt. 1	185	22	3, 5				
			"	"	"	5, pt. 1, Pl. & Ex.		22	2			
"	4749 1	"	complanatum.....Hall.	"	"	5, pt. 1, Pl. & Ex.		22	2			
			"	N. Y. S. M.	35	387	.....	.....				
			"	Pal. N. Y.	5, pt. 1	227	22	2				
			"	"	"	5, pt. 1, Pl. & Ex.		41	12			
"	4749 2	"	"	"	"	5, pt. 1	227	41	12			
			"	"	"	5, pt. 1, Pl. & Ex.		22	23			
			"	"	"	5, pt. 1	207	22	23			
			"	"	"	.....	90	17				
Chem.	4750 1	Type.	<i>lepidum</i> Hall.									
			lichas.....Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	.....	21	35, 36, 38, 39				
			"	N. Y. S. M.	35	391	.....	.....				
			"	Pal. N. Y.	5, pt. 1	232	21	35, 36, 38, 39				
"	4751 1	"	longispina.....Hall.	Geol. N. Y.	4th D.	263	ct. 117	3				
			(Hall) Miller.	Am. P. F.	.....	202	.....	.....				
			Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	.....	21	14				
			"	N. Y. S. M.	35	350	.....	.....				
"	"	"	"	Pal. N. Y.	5, pt. 1	179	21	14				
			"	"	5, pt. 1	179	21	17-19				
			"	"	"	5, pt. 1, Pl. & Ex.		17	12			
			"	N. Y. S. M.	35	347	.....	.....				
Mar.	4752 1	"	marcellense.....Hall.	"	"	.....	17	12				
"	"	"	"	N. Y. S. M.	35	347	.....	.....				
			"	Pal. N. Y.	5, pt. 1	175	17	12				
			"	"	"	5, pt. 1, Pl. & Ex.		22	15			
			"	N. Y. S. M.	35	367	.....	.....				
Chem.	4753 1	"	naviforme.....Hall.	"	"	.....	22	15				
"	"	"	"	Pal. N. Y.	5, pt. 1	200	22	15				
			"	"	"	5, pt. 1	200	23	1			
			"	"	"							
			"	"	"							

LOCALITY.	REMARKS.
.....	As <i>Avicula lævis</i> .
.....	Referred to genus <i>Pteronites</i> .
.....	As <i>Leiopteria lævis</i> .
East Bloomfield, N. Y.	A nearly entire left valve, imbedded.
" " "	Cast of left valve.
Catherine Tp., N. Y.	Cast of left valve. Found loose.
Delaware, O.	Cast of small left valve.
.....	As <i>Avicula acanthoptera</i> .
.....	" type of <i>Leptodesma lepidum</i> .
.....	" " " " " "
Belmont, N. Y.	" " " " " " Nearly entire cast and the imprint of the left valve of the same individual.
Near Angelica, N. Y.	Cast of right valve. From "Hull's Mill."
Corning, N. Y.	Casts of two opposite valves in the same block.
Belmont, N. Y.	Cast of left valve.
.....	As <i>Modiomorpha neglecta</i> , by error.
Steuben Co., N. Y.	Cast of left valve.
Belmont, N. Y.	Cast of left valve.
.....	Founded upon the type specimen of <i>Leptodesma acanthopterum</i> , q.v.
Belmont, N. Y.	Casts of three left valves and a right valve.
.....	As <i>Avicula longispina</i> .
.....	Referred to genus <i>Pterinea</i> .
Painted Post, N. Y.	Cast of large left valve.
" " "	Casts of three right valves.
E. Bloomfield, N. Y.	Left valve, imbedded.
Near Ithaca, N. Y.	Cast of left valve.
" " "	Cast of right valve.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Chem.	4754	Type.	Leptodesma Hall— <i>Cont.</i>					
			potens.....Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	...	22	21
			"	N. Y. S. M.	35	358		
			"	Pal. N. Y.	5, pt. 1	188	22	21
	4755	Fig'd.	protectum (Conrad) Hall.	"	5, pt. 1	183	21	22, 23
	4756	Type.	robustum.....Hall.	"	5, pt. 1, Pl. & Ex.	...	21	15, 16, 20
			"	N. Y. S. M.	35	352		
			"	Pal. N. Y.	5, pt. 1	181	21	15, 16, 20
	4757	Fig'd.	sociale?.....Hall.	"	5, pt. 1, Pl. & Ex.	...	21	33, 34
			"	N. Y. S. M.	35	357		
Ham.			"	Pal. N. Y.	5, pt. 1	187	21	33, 34
	4758	"	spinigerum (Con.)...Hall.	"	5, pt. 1	177	21	10-13
	4759	"	sp. indet.....Hall.	"	5, pt. 1	...	22	I
			Lima Bruguière.					
			glaber.....					
			macroptera.....					
			obsoleta.....					
			rugastriata.....					
	4760	Type.	Limoptera H. & W.					
			cancellata.....H. & W.	P. N. L. S.	pt. 2	16		
U. H.			"	Hall.	Pal. N. Y.	5, pt. 1	244	26 92
	4761	"	curvata.....H. & W.	P. N. L. S.	pt. 2	18		1-4 3
			"	Hall.	Pal. N. Y.	5, pt. 1	250	28
	4762	Gen. and Sp. Type.	macroptera.....Conrad.	Geol. N. Y.	1838	117		1-3
			"	H. & W.	P. N. L. S.	pt. 2	17	
		Fig'd Sp. and G. T.	" (Conrad) Hall.	Pal. N. Y.	5, pt. 1	246	27	4, 5, 10
			"	"	5, pt. 1	246	26	6-9
	4763	"	"	"	5, pt. 1	246	27	1, 8
	4764	"	"	"	5, pt. 1	246	27	2
	4765	"	"	"	5, pt. 1	246	27	6, 7
Mar.	4766	"	"	"	5, pt. 1	246	27	9
			"	"	5, pt. 1	246	28	4
			"	"	5, pt. 1	246	29	2
			"	"	5, pt. 1	246	28	5
	4767	Type.	obsoleta.....H. & W.	P. N. L. S.	pt. 2	18		
			"	Hall.	Pal. N. Y.	5, pt. 1	249	29
	4768	"	" (H. & W.) Hall.	"	5, pt. 1	249	29	6
	4769	"	pauperata.....H. & W.	P. N. L. S.	pt. 2	16		
			"	Hall.	Pal. N. Y.	5, pt. 1	243	26
			Lucina Bruguière.					
Port.			elliptica, var. occidentalis..					
			Lunulicardium Münster.					
			acutirostrum.....					
	4770	Type.	fragile.....Hall.	Pal. N. Y.	5, pt. 1	434	71	4, 5, 7, 10
	4771	"	"	"	5, pt. 1	434	71	12
	4772	"	"	"	5, pt. 1	434	71	13, 14
	4773	"	orbiculare.....Hall.	"	5, pt. 1	436	71	24
			"	"	5, pt. 1, Pl. & Ex.	...	71	24
	4774	"	ornatum.....Hall.	Geol. N. Y.	4th D.	244	ct. 106	8
			"	Pal. N. Y.	5, pt. 1	437	71	28, 29
Chem. Port.	4775	"	"	"	5, pt. 1	437	71	26
	4776	"	"	Geol. N. Y.	4th D.	244	ct. 106	7
			"	Pal. N. Y.	5, pt. 1, Pl. & Ex.	...	71	30, 32
			"	"	5, pt. 1	437	71	30, 32

LOCALITY.	REMARKS.
Nr. Casadaga L., N. Y. Chemung River, N. Y.	Somewhat worn cast of left valve. From $3\frac{1}{2}$ miles east of lake. Casts of two opp. valves in block with others. From "Upper Narrows."
Painted Post, N. Y.	Casts of one right and two left valves.
Nanticoke, N. Y.	Casts of two right valves and a left valve in same block. "Referred to this species with some doubt."
Painted Post, N. Y.	Casts of four left valves.
Ithaca, N. Y.	Weathered cast of right valve.
.....	See <i>Crenipecten glaber</i> .
.....	" <i>Limoptera macroptera</i> .
.....	" <i>Crenipecten obsoletus</i> .
.....	" <i>Aviculopecten rugistriatus</i> .
Falls of Ohio River.	Cast of individual.
Madison Co., N. Y.	Casts of an individual and a left valve.
.....	As <i>Lima macroptera</i> .
Cazenovia, N. Y.	Cast of individual, not quite entire along hinge line.
" "	Casts of two left valves and of two individuals.
Madison Co., N. Y.	Imprint of right valve and cast of individual.
Summit, N. Y.	Cast of left valve. Schoharie county.
Near Cazenovia, N. Y.	Cast of an individual.
Madison Co., N. Y.	Somewhat distorted cast of individual.
" " "	Cast of individual retaining small portions of shell.
Hamilton, N. Y.	Cast of individual.
Cayuga Lake, N. Y.	Cast of large left valve.
Stafford, N. Y.	An imperfect cast of left valve.
.....	See <i>Paracyclas elliptica</i> .
.....	See <i>Lunulicardium ornatum</i> .
Genesee Valley, N. Y.	Four specimens, casts.
S. of Buffalo, N. Y.	Cast of left valve. From Seneca creek.
Penn Yan, N. Y.	Cast of left valve and imprint of two valves.
Bloomfield, N. Y.	As <i>Lunulicardium ornatum</i> ? Imprint of left valve.
.....	As <i>Pinnopsis ornatus</i> .
Cashaqua Creek, N. Y.	Cast of left valve. From the Shakers' mill near Lake Erie.
Near Elmira, N. Y.	Cast of right valve.
.....	As <i>Pinnopsis acutirostra</i> , generic and specific type.
.....	" <i>Lunulicardium acutirostrum</i> .
Cashaqua Creek, N. Y.	Two casts in same block. See also <i>Lunulicardium orbiculare</i> .

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work	Vol.	P.	Pl.	Figs.
Chem.	47.6.1	Type.	Lyriopecten Hall.					
			anomiiiformis (H.) Miller.	Am. P. F.	.....	193	.....	.....
			Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.		4	10
			"	N. Y. S. M.	35	255		
"	47.6.2	"	"	Pal. N. Y.	5, pt. 1	53	4	10
			"	"	5, pt. 1	53	10	5
			"	"	5, pt. 1, Pl. & Ex.		82	2
	47.6.7	"	cymbalon Hall.	"	5, pt. 1, Pl. & Ex.		24	8
Ham.	47.6.8	"	"	N. Y. S. M.	35	251		
			"	Pal. N. Y.	5, pt. 1	47	24	8
			interradiatus Hall.	"	5, pt. 1, Pl. & Ex.		2	1-4
			"	N. Y. S. M.	35	248		
"	47.6.9	"	"	Pal. N. Y.	5, pt. 1	44	2	1-4
			macrodon (H.) Miller.	Am. P. F.	.....	193	.....	.....
			Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.		4	9
			"	N. Y. S. M.	35	250		
"	47.7.0	"	"	Pal. N. Y.	5, pt. 1	46	4	9
			orbiculatus Hall.	Geol. N. Y.	4th D.	202	ct. 81	1
			"	Pal. N. Y.	5, pt. 1, Pl. & Ex.		4	4
			"	N. Y. S. M.	35	247		
"	47.7.0	"	"	Pal. N. Y.	5, pt. 1	42	4	4
			"	"	5, pt. 1	42	4	5
			"	"	5, pt. 1	42	4	7
			"	"	5, pt. 1	42	4	8
Scho.	47.7.1	"	parallelodontus (H.) Miller.	Am. P. F.	.....	193	.....	.....
			Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.		4	1, 2
			"	N. Y. S. M.	35	245		
			"	Pal. N. Y.	5, pt. 1	40	4	1, 2
Chem.	47.7.1	"	"	"	5, pt. 1, Pl. & Ex.		7	25
			polydorus Hall.	"	5, pt. 1, Pl. & Ex.		7	25
			"	N. Y. S. M.	35	253		
			"	Pal. N. Y.	5, pt. 1	50	7	25
"	47.7.2	"	"	"	5, pt. 1, Pl. & Ex.		10	1
			priamus Hall.	"	5, pt. 1, Pl. & Ex.		10	1
			"	N. Y. S. M.	35	256		
			"	Pal. N. Y.	5, pt. 1	54	10	1
"	47.7.3	Fig'd.	"	"	5, pt. 1, Pl. & Ex.		7	26
			tricostatus (Vanux.) Hall.	"	5, pt. 1, Pl. & Ex.		7	26
			"	N. Y. S. M.	35	252		
			"	Pal. N. Y.	5, pt. 1	48	7	26
"	47.7.3	"	"	"	5, pt. 1	48	10	6
			"	"	5, pt. 1	48	10	7, 11
			"	"	5, pt. 1	48	10	8, 9
			"	"	5, pt. 1	48	10	12
"	47.7.4	Type.	Macrodon Lycett.					
			chemungensis . . H. & W.	P. N. L. S.	pt. 2	14		
			Hall.	Pal. N. Y.	5, pt. 1	350	51	11, 13-15
	47.7.5	"	hamiltoniae . . . H. & W.	P. N. L. S.	pt. 2	13		
U. H.	209.7	"	Hall.	Pal. N. Y.	5, pt. 1	349	51	1
			Megambonia Hall.					
			cardiiformis Hall.	Geol. N. Y.	4th D.	173	ct. 68	1
			"	N. Y. S. M.	12	13	.....	.....
"			"	Pal. N. Y.	5, pt. 1, Pl. & Ex.		52	2, 5, 6
			"	"	5, pt. 1	515	52	2, 5, 6

LOCALITY.	REMARKS.
.....	<i>Nomen nudum.</i>
Chemung Upper Narrows, N. Y.	Cast of right valve.
Chemung Creek, N. Y.	Somewhat flattened cast of left valve.
Near Elmira, N. Y.	Very perfect cast of left valve.
Fultonham, N. Y.	Casts of two individuals and the imprint of the right valve of each, somewhat imperfect.
.....	<i>Nomen nudum.</i>
Worcester, N. Y.	Imperfect internal cast of left valve.
.....	As <i>Avicula orbiculata</i> .
Lake Erie, N. Y.	An exfoliated left valve, imbedded.
Seneca Lake, N. Y.	Cast of left valve showing hinge line in part. From "Baileytown."
York Centre, N. Y.	Two conjoined valves, somewhat imperfect.
Canandaigua L., N. Y.	Cast of left valve retaining small bits of the shell.
.....	<i>Nomen nudum.</i>
Albany Co., N. Y.	The cast and the corresponding imprint of right valve. From Thompson's Lake.
Nr. Casadaga L., N. Y.	Cast of a right valve. From $3\frac{1}{2}$ miles east of the lake.
Franklin, N. Y.	Cast of left valve.
Near Elmira, N. Y.	Cast of small left valve. From Buck's quarry.
Big Flats, N. Y.	Cast of left valve. From a boulder.
Near Elmira, N. Y.	Casts of two left valves. From Buck's quarry.
" " "	Casts of two large left valves.
Chemung Upper Narrows, N. Y.	Cast of left valve.
Near Elmira, N. Y.	Casts of one right and three left valves.
Seneca Lake, N. Y.	Cast of right valve. From "Baileytown."
.....	As <i>Pterinea? cardiiiformis</i> .
.....	Referred to present genus.
.....	As <i>Megambonia subcardiiiformis</i> , by error.
Clarence Hollow, N. Y.	Specimen preserves left valve except wing, shows int. cast right valve.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
U. H.	3090 1	Type.	Megambonia Hall— <i>Cont.</i> <i>cardiiformis</i> Hall.	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	52	I, 3
Orisk.	2690 1	"	<i>lamellosa</i> Hall. <i>subcardiiformis</i>	" "	5, pt. I 3	515 407	52 109	I, 3 5
			Microdon Conrad..... <i>bellistriata</i> <i>complanatus</i> <i>gregaria</i> <i>tenuistriata</i>					
Ham.	4780 1	Fig'd Sp. and G. T.	Modiella Hall. <i>pygmæa</i> (Conrad) .. Hall.	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	76	II
"	4780 2	"	" " " "	" "	5, pt. I	514	76	II
"	4780 3	"	" " " "	" "	5, pt. I	514	76	15
			" " " "	" "	5, pt. I	514	76	20
Chem.	4781 1	Type.	Modiola Lamarck. (Mytilops.) <i>præcedens</i> H. & W. Hall.	P. N. L. S. Pal. N. Y.	pt. 2 5, pt. I, Pl. & Ex.	I	33	9-11, 13, 17, 18
			" " " "	" "	5, pt. I	267	33	9-11, 13, 17, 18
Ham.	4782 1	"	Modiomorpha H. & W. <i>affinis</i> Hall.	Pal. N. Y.	5, pt. I 5, pt. I, Pl. & Ex.	284	37 37	13, 14 13, 14
"	4783 1	"	<i>alta</i> Conrad. H. & W.	Geol. N. Y. P. N. L. S.	1841 pt. 2	52 75		
"	4783 2	Fig'd.	" (Conrad)..... Hall.	Pal. N. Y.	5, pt. I	278	37	15
"	4783 3	"	" " " "	" "	5, pt. I	278	37	9
"	4783 4	"	" " " "	" "	5, pt. I	278	37	10, 11
"	4783 5	"	" " " "	" "	5, pt. I	278	80	7
U. H.	4215 1	Type.	<i>amygdalina</i> <i>clarens</i> Hall.	Pal. N. Y.	5, pt. I 5, pt. I, Pl. & Ex.	273	41 41	4 4
Ham.	4212 1	Fig'd Sp. and G. T.	<i>complanata</i> <i>concentrica</i> (Con) H. & W. Hall.	P. N. L. S. Pal. N. Y.	pt. 2 5, pt. I	73 275		
"	4212 2	"	" " " "	" "	5, pt. I	275	34	9, 10
"	4212 3	"	" " " "	" "	5, pt. I	275	36	1, 5
"	4212 4	"	" " " "	" "	5, pt. I	275	36	4, 10
"	4212 5	"	" " " "	" "	5, pt. I	275	36	8
"	4212 6	"	" " " "	" "	5, pt. I	275	36	II
"	4212 7	"	" " " "	" "	5, pt. I	275	36	14
"	4212 8	"	" " " "	" "	5, pt. I	275	36	15, 16
"	4784 1	Type.	<i>cymbula</i> H. & W. Hall.	P. N. L. S. Pal. N. Y.	pt. 2 5, pt. I	75 282	36	19, 20
U. H.	4213 1	Type.	<i>hyalea</i> <i>linguiformis</i> Hall.	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	34	16, 17
Ham.	4785 1	"	<i>macilenta</i> H. & W. Hall.	P. N. L. S. Pal. N. Y.	pt. 2 5, pt. I	76 280	37 39	17 21
"	4785 2	"	" (H. & W.) Hall.	Pal. N. Y.	5, pt. I	280	39	17
"	4785 3	"	" " " "	" "	5, pt. I	280	39	19

LOCALITY.	REMARKS.
Clarence Hollow, N. Y. Schoharie, N. Y.	As <i>Megambonia subcardiiformis</i> , by error. Two left valves. Cast of left valve. See <i>Megambonia cardiiformis</i> .
.....	Preoccupied. See <i>Cypricardella</i> .
.....	See <i>Cypricardella bellistriata</i> .
.....	" " <i>complanata</i> .
.....	" " <i>gregaria</i> .
.....	" " <i>tenuistriata</i> .
Schoharie Co., N. Y.	Cast of left valve.
Near Sheldrake, N. Y.	Cast of right valve.
Near Aurora, N. Y.	Cast of right valve.
.....	As <i>Modiola præcedens</i> .
.....	" <i>Mytilops (Modiola) præcedens</i> .
Smethport, Pa.	Five casts in fine conglomerate.
Pratt's Falls, Onondaga Co., N. Y.	As <i>Modiomorpha alta</i> Conrad sp. A cast, the posterior third of which was broken off before the figures were made. As <i>Cypricardites alta</i> .
Cayuga Lake, N. Y.	Cast of right valve.
Near Fultonham, N. Y.	Cast of individual.
Seneca L., N. Y.	Casts of two individuals.
Pratt's Falls, Onondaga Co., N. Y.	A distorted cast of individual. See also <i>Modiomorpha affinis</i> . See <i>Glossites depressus</i> , <i>G. lingualis</i> and <i>G. subtenuis</i> .
Clarence Hollow, N. Y.	As <i>Modiomorpha perovata</i> M. & W. Cast of right valve.
.....	See " <i>mytiloides</i> .
Near Louisville, Ky.	Two much exfoliated individuals.
Seneca Lake, N. Y.	Casts of two right valves.
Cayuga Lake, N. Y.	Casts of two opposite valves.
" "	Cast of left valve.
" "	Cast of individual.
Cumberland, Md.	Cast of left valve, not entire.
" "	Internal cast retaining part of the silicified shell of both valves.
East Worcester, N. Y.	Internal cast of left valve.
.....	See <i>Elymella fabalis</i> and <i>E. nuculoides</i> .
Columbus, Ohio.	Internal cast of individual.
Catherine Tp., N. Y.	Somewhat crushed casts of two individuals, from a boulder.
Cayuga Lake, N. Y.	Cast of left valve. From "King's Ferry."
Canandaigua L., N. Y.	Cast of right valve. From "one mile below Monteith's Point."

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Voi.	P.	Pl.	Figs.
Ham.	4786 1	Fig'd.	Modiomorpha H. & W.— <i>Cont.</i> <i>mytiloides</i> (Conrad) Hall.	Pal. N. Y.	5, pt. I	277	38	I
			" " "	" "	5, pt. I, Pl. & Ex.	....	38	I
			H. & W.	P. N. L. S.	pt. 2	74	....	....
	4786 2	"	" " Hall.	" "	5, pt. I, Pl. & Ex.	....	38	3
			" " "	" "	5, pt. I	277	38	3
	4786 3	"	" " "	" "	5, pt. I, Pl. & Ex.	....	38	7, 15, 16
			" " "	" "	5, pt. I	277	38	7, 15, 16
	4786 4	"	" " "	" "	5, pt. I, Pl. & Ex.	....	38	8
			" " "	" "	5, pt. I	277	38	8
	4786 5	"	" " "	" "	5, pt. I, Pl. & Ex.	....	38	13
Chem.	4787 1	Type.	<i>neglecta</i>.....Hall.	" "	5, pt. I, Pl. & Ex.	....	41	13
			" " "	" "	5, pt. I	290	41	13
			<i>perovata</i>.....	....	....	....	....	....
U. H.	4814 1	Type.	<i>planulata</i>.....	....	....	....	....	....
			? <i>ponderosa</i>....H. & W.	P. N. L. S.	pt. 2	35	....	....
			Hall.	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	34	11, 12
			" " "	" "	5, pt. I	271	34	11, 12
			" " "	" "	5, pt. I, Pl. & Ex.	....	41	8
Scho.	2845 1	"	<i>putillus</i>.....Hall.	" "	5, pt. I, Pl. & Ex.	....	41	1, 2
Chem.	4788 1	"	<i>quadrula</i>....H. & W.	P. N. L. S.	pt. 2	77	41	1, 2
			Hall.	Pal. N. Y.	5, pt. I	289	41	20-25
	4789 1	"	<i>recurva</i>.....Hall.	" "	5, pt. I, Pl. & Ex.	....	41	17
Scho.			" " "	" "	5, pt. I	288	41	17
			<i>rigida</i>.....	....	....	....	....	....
	2846 1	Type.	<i>schoharie</i>.....Hall.	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	34	13
			" " "	" "	5, pt. I	269	34	13
	4790 2	Fig'd.	<i>subalata</i> (Conrad) Hall.	" "	5, pt. I	283	39	I
Ham.	4790 3	"	" " "	" "	5, pt. I	283	39	4
			" " "	" "	5, pt. I	283	39	9
	4791 1	Type.	" var. <i>chemungensis</i> H.	" "	5, pt. I	284	41	5
			" " "	" "	5, pt. I, Pl. & Ex.	....	41	5
			" " "	" "	5, pt. I, Pl. & Ex.	....	41	6, 8, 9
			" " "	" "	5, pt. I	284	41	6, 8, 9
			" " "	" "	5, pt. I, Pl. & Ex.	....	41	10
			" " "	" "	5, pt. I	284	41	10
			" " "	" "	5, pt. I, Pl. & Ex.	....	41	11
			" " "	" "	5, pt. I	284	41	11
Chem.			Mytilarca H. & W.	....	....	....	....	....
			<i>arenacea</i>.....	....	....	....	....	....
			<i>arenosa</i>.....	....	....	....	....	....
	4792 1	Type.	<i>carinata</i> (Hall)...Miller.	Am. P. F.	....	197	....	....
			Hall.	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	32	15, 17-19
"			" " "	N. Y. S. M.	35	402	....	....
			" " "	Pal. N. Y.	5, pt. I	259	32	15, 17-19
	4793 2	"	" " "	" "	5, pt. I, Pl. & Ex.	....	32	16
			" " "	" "	5, pt. I	259	32	16

LOCALITY.	REMARKS.
.....	As <i>Modiomorpha complanata</i> , by error.
Dresden, N. Y.	As type of <i>Modiomorpha planulata</i> , and the same applies throughout this species. Cast of a pair of expanded valves. Found loose.
.....	As <i>Modiomorpha complanata</i> , by error.
Canandaigua L., N. Y.	Cast of small right valve.
.....	As <i>Modiomorpha complanata</i> , by error.
Cayuga Lake, N. Y.	Casts of a pair of expanded valves and of two right valves.
.....	As <i>Modiomorpha complanata</i> , by error.
Seneca Lake, N. Y.	Cast of pair of expanded valves.
.....	As <i>Modiomorpha complanata</i> , by error.
Near Fultonham, N. Y.	Cast of pair of expanded valves.
.....	
Near Elmira, N. Y.	Cast of right valve. See also <i>Leptodesma complanatum</i> .
.....	See <i>Modiomorpha clarens</i> .
.....	" " <i>mytiloides</i> .
.....	As <i>Sanguinolites</i> (?) <i>ponderosus</i> .
.....	Generic reference not queried.
Clarence Hollow, N. Y.	Nearly entire internal cast.
Schoharie, N. Y.	Cast of individual.
Belmont, N. Y.	Eight casts of separated valves in six blocks.
.....	Generic reference queried.
Belmont, N. Y.	Cast of left valve. In the explanation of the plate this figure is "referred with doubt" to <i>Modiomorpha rigida</i> Hall.
.....	See <i>Modiomorpha recurva</i> and <i>M. subalata</i> var. <i>chemungensis</i> .
Schoharie, N. Y.	Internal cast of individual.
Seneca Lake, N. Y.	Cast of small right valve.
Western New York.	Cast of small right valve.
Lake Erie, N. Y.	Cast of left valve. From ten miles south of Buffalo. See also <i>Modiomorpha subalata</i> var. <i>chemungensis</i> .
Ithaca ?, N. Y.	As <i>Modiomorpha subalata</i> . Cast of left valve.
.....	" " "
Ithaca, N. Y.	Casts of a right valve and two pairs of valves. From Fall creek.
.....	As type of <i>Modiomorpha rigida</i> .
Ithaca, N. Y.	Cast. The reference to this var. is queried in the text. Fr. Fall creek.
.....	As type of <i>Modiomorpha rigida</i> .
Cortland Co., N. Y.	Cast of right valve.
.....	See <i>Plethomytilus arenaceus</i> .
.....	" " "
.....	<i>Nomen nudum</i> .
Near Elmira, N. Y.	Casts of two right and two left valves.
Factoryville, N. Y.	Cast of a right valve. Tioga county.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp. and G. T.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Chem.	4793 1	Fig'd Sp. and G. T.	Mytilarca H. & W.— <i>Cont.</i> <i>chemungensis</i> (Con.) H. & W. Hall.	P. N. L. S. Pal. N. Y.	pt. 2 5, pt. I	23 258		8
"	4793 2	"	" " "	" " "	5, pt. I	258	32	9, 11
"	4793 3	"	" " "	" " "	5, pt. I	258	32	10
			<i>oviformis</i> .....	.....	.....	.....	.....	.....
Chem.	4794 1	Type.	<i>ponderosa</i>	N. Y. S. M. Pal. N. Y.	35 Pl. & Ex.	403	32	12
			<i>regularis</i>	" " "	5, pt. I	260	32	12
			<i>triquetra</i> .....	.....	.....	.....	.....	.....
Chem.	4795 1	Type.	<i>umbonata</i>	P. N. Y. Pal. N. Y.	5, pt. I Pl. & Ex.	.....	32	1-4
			" " "	N. Y. S. M. Pal. N. Y.	35 5, pt. I	402	32	1-4
Ham.	4796 1	Fig'd.	Nucula Lamarck. <i>bellistriata</i> (Conrad) Hall.	" " "	5, pt. I	318	46	2
"	4796 2	"	" " "	" " "	5, pt. I	318	46	3, 5
"	4797 1	Type.	<i>corbuliformis</i> .. H. & W. Hall.	P. N. L. S. Pal. N. Y.	pt. 2 5, pt. I	2 319	46	29
"	4797 2	"	" (H. & W.) Hall.	" " "	5, pt. I	319	46	32
"	4797 3	"	" ? " "	" " "	5, pt. I	319	46	31, 36
Chem.	4798 1	"	<i>diffidens</i>	Hall.	5, pt. I	322	45	12
			" " "	" " "	5, pt. I Pl. & Ex.	.....	45	12
"	4798 2	"	" " "	" " "	5, pt. I Pl. & Ex.	.....	45	14
			" " "	" " "	5, pt. I	322	45	14
Ham.	4799 1	"	<i>lamellata</i>	Hall.	5, pt. I Pl. & Ex.	.....	51	20, 21, X ₂
"	4799 2	"	" " "	" " "	5, pt. I	320	51	20, "
"	4799 3	"	" " "	" " "	5, pt. I Pl. & Ex.	.....	45	13
"	4800 1	Fig'd.	<i>lirata</i> (Conrad)	Hall.	5, pt. I	320	45	13
"	4800 2	"	" " "	" " "	5, pt. I	316	45	5
"	4800 3	"	" " "	" " "	5, pt. I	316	45	11
"	4801 1	Type.	<i>Randalli</i>	H. & W. Hall.	P. N. L. S. Pal. N. Y.	pt. 2 5, pt. I	3	6, 10, 16
"	4801 2	"	" (H. & W.) Hall.	" " "	5, pt. I	315	45	7-9, 23
"	4801 3	"	" " "	" " "	5, pt. I Pl. & Ex.	.....	45	26, 27
"	4801 4	"	" " "	" " "	5, pt. I	315	45	26, 27
"	4802 1	"	<i>subelliptica</i>	Hall.	5, pt. I Pl. & Ex.	.....	45	28
			" " "	" " "	5, pt. I	317	45	28
Ham.	4803 1	Fig'd.	Nuculites Conrad. <i>cuneiformis</i> (Conrad) Hall.	" " "	5, pt. I	325	47	15
"	4803 2	"	" " "	" " "	5, pt. I	325	47	16
"	4804 1	Type.	<i>nyssa</i>	H. & W. Hall.	P. N. L. S. Pal. N. Y.	pt. 2 5, pt. I Pl. & Ex.	5	27
"	4804 2	"	" (H. & W.) .. Hall.	" " "	5, pt. I	328	47	27
"	4804 3	"	" " "	" " "	5, pt. I	328	47	29, 30
"	4805 1	Fig'd.	<i>oblongatus</i> (Conrad) Hall.	" " "	5, pt. I	324	47	2
"	4805 2	"	" " "	" " "	5, pt. I	324	47	7-9, 11, 12

Class LAMELLIBRANCHIATA--Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Nuculites Conrad.					
Ham.	4800 ¹	Fig'd.	triqueter (Conrad) Hall.	Pal. N. Y.	5, pt. I	326	47	18
"	4800 ²	"	" " "	" "	5, pt. I	326	47	19
"	4800 ³	"	" " "	" "	5, pt. I	326	47	21
"	4800 ⁴	"	" " "	" "	5, pt. I	326	47	23, 24
"	4800 ⁵	"	" " "	" "	5, pt. I, Pl. & Ex.	....	47	25
"	4800 ⁶	"	" " "	" "	5, pt. I	326	47	25
"	4800 ⁷	"	" " "	" "	5, pt. I, Pl. & Ex.	....	47	28
"	4800 ⁸	"	" " "	" "	5, pt. I	326	47	28
			Nyassa H. & W.					
"	4807 ¹	Gen. and Sp. Type	arguta.....H. & W. Hall.	P. N. L. S.	pt. 2	28	....	7, 8, enl. X2
"	4807 ²	"	" (H. & W.) Hall.	Pal. N. Y.	5, pt. I	354	53	11
"	4807 ³	"	" " "	" "	5, pt. I	354	53	12, 13
"	4807 ⁴	"	" " "	" "	5, pt. I	354	53	14-16
"	4807 ⁵	"	" " "	" "	5, pt. I	354	53	17-19
"	4807 ⁶	"	" " "	" "	5, pt. I	354	53	20
"	4807 ⁷	"	" " Whitf.	N. Y. A. S.	2	216	....	....
"	4807 ⁸	"	" " "	" "	5	558	11	18
"	4808 ¹	Type.	recta.....H. & W. Hall.	Geol. O.	7	451	7	18
"	4808 ²	"	" (H. & W.) Hall.	P. N. L. S.	pt. 2	29	....	....
"	4809 ¹	"	subalata.....H. & W. Hall.	Pal. N. Y.	5, pt. I	356	53	2
"	4809 ²	"	" " "	" "	5, pt. I	356	53	5, 6
"	4809 ³	"	" (H. & W.) Hall.	P. N. L. S.	pt. 2	29	....	....
"	4809 ⁴	"	" " "	Pal. N. Y.	5, pt. I	355	53	21, 22
"	4809 ⁵	"	" " "	" "	5, pt. I	355	53	23, 25, 26
			Orthonota Conrad.					
"	4810 ¹	Fig'd.	carinata (Con.) H. & W. Hall.	P. N. L. S.	pt. 2	87	....	....
"	4811 ¹	"	ensiformis.....H. & W. Hall.	Pal. N. Y.	5, pt. I	479	78	35
"	4811 ²	"	" " "	P. N. L. S.	pt. 2	89	....	....
"	4812 ¹	Type.	? parvula.....H. & W. Hall.	Pal. N. Y.	5, pt. I	480	78	36
"	4812 ²	"	" " "	P. N. L. S.	pt. 2	88	....	....
"	4812 ³	"	" (H. & W.) Hall.	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	78	32
"	4812 ⁴	"	" " "	" "	5, pt. I	482	78	32
"	4812 ⁵	"	" (H. & W.) Hall.	" "	5, pt. I, Pl. & Ex.	....	65	2, 3
"	4812 ⁶	"	" " "	" "	5, pt. I	482	65	2, 3
Chem.	4813 ¹	"	rigida.....H. & W. Hall.	" "	5, pt. I	481	80	6
"	4813 ²	"	" " "	P. N. L. S.	pt. 2	41	....	....
"	4813 ³	"	" " Hall.	Pal. N. Y.	5, pt. I, Pl. & Ex.	....	80	6
			siliquoides					
Ham.	4814 ¹	Fig'd.	undulata (Conrad) Hall.	Pal. N. Y.	5, pt. I	478	78	42
			Palæoneilo H. & W.					
Chem.	4815 ¹	Type.	bisulcata.....H. & W. Hall.	P. N. L. S.	pt. 2	10	....	....
"	4816 ¹	"	brevis.....H. & W. Hall.	Pal. N. Y.	5, pt. I	344	50	12
"	4817 ¹	Fig'd Sp. and G. T.	constricta (Con.) H. & W. Hall.	P. N. L. S.	pt. 2	10	50	31, 32
"	4817 ²	"	" " "	P. N. L. S.	pt. 2	7	....	....
"	4817 ³	"	" " "	Pal. N. Y.	5, pt. I	333	48	1, 5
"	4817 ⁴	"	" " "	" "	5, pt. I	333	48	2
"	4817 ⁵	"	" " "	" "	5, pt. I	333	48	6, 12
"	4817 ⁶	"	" " "	" "	5, pt. I	333	48	8, 11
"	4817 ⁷	"	" " "	" "	5, pt. I	333	48	9, 10, 14, 15

LOCALITY.	REMARKS.
Genoa, N. Y.	Cast of right valve.
W. Bloomfield, N. Y.	Cast of left valve.
Ontario Co., N. Y.	Casts of two opposite valves in same block.
Paterson's Creek, Va.	Cast of left valve. Not from Cumberland, Md.
.....	As a type of <i>Nuculites nyssa</i> .
W. Bloomfield, N. Y.	Cast of left valve.
.....	As a type of <i>Nuculites nyssa</i> .
Fultonham, N. Y.	Cast of right valve. See also <i>Nuculites nyssa</i> .
.....	Genus named as a subgenus of <i>Modiolopsis</i> , but not described.
Chenango Co., N. Y.	Internal cast of right valve. From Pitcher's Springs.
Madison Co., N. Y.	Cast of left valve.
Schoharie Co., N. Y.	Casts of an individual and a right valve.
Onondaga Co., N. Y.	Internal casts of an individual and a right valve. From Pratt's Falls.
Otsego Co., N. Y.	Internal cast of large right valve.
East Worcester, N. Y.	Cast of right valve.
.....	Genus first described.
Tully, Ohio.	Cast of right valve.
Schoharie Co., N. Y.	Cast of left valve.
" " " "	Casts of two opposite valves in block with many others.
Summit, N. Y.	Casts of two right valves. Schoharie county.
Near Fultonham, N. Y.	Casts of three left valves.
Fultonham, N. Y.	Cast of right valve, not entire.
Schoharie Co., N. Y.	Imprint of right valve.
.....	Generic reference not queried.
.....	Generic reference not queried.
Schoharie Co., N. Y.	Cast of a pair of valves, partly expanded.
.....	As <i>Sanguinolites truncatus</i> Conrad.
Bear's Gulf, N. Y.	Casts of two opposite valves in same block. Schoharie county.
.....	As type of <i>Sanguinolites undatus</i> .
Near Elmira, N. Y.	" " " " Cast of right valve. From
.....	" " " " " Buck's quarry."
.....	See <i>Palaeosolen siliquoides</i> .
Fultonham, N. Y.	Cast of individual and imprint of its left valve.
Near Elmira, N. Y.	Cast of right valve. From "Buck's quarry."
Belmont, N. Y.	Casts of two left valves, separate.
Seneca or	
Cayuga Lake, N. Y.	Casts of two opposite valves.
Seneca Lake, N. Y.	Cast of right valve. From "Baileytown."
Fultonham, N. Y.	Internal casts of an individual and a left valve.
Cayuga Lake, N. Y.	Cast of left valve.
Paterson's Creek, Va.	Internal casts of a left valve and a pair of expanded valves.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Port.	4817 6	Fig'd Sp. and G. T.	Palæoneilo H. & W.—Cont. <i>constricta</i> (Conrad) Hall.	Pal. N. Y.	5, pt. I	333	51	17
Chem.	4818 1	"	" <i>var. flexuosa</i> Hall.	" "	5, pt. I, Pl. & Ex.	...	48	17, 19, 20
"	4819 1	"	" <i>elongata</i>.....Hall.	" "	5, pt. I, Pl. & Ex.	...	48	17, 19, 20
Ham.	4820 1	Fig'd.	<i>emarginata</i> (Con.) H. & W.	P. N. L. S.	pt. 2	7	48	39
"	4820 2	"	" " Hall.	Pal. N. Y.	5, pt. I	338	50	4, 5, 7
Chem.	4820 3	"	" " "	" "	5, pt. I	338	50	8
"	4821 1	"	<i>filosa</i> (Conrad) H. & W.	P. N. L. S.	5, pt. I	338	50	11
"	4821 2	"	" " Hall.	Pal. N. Y.	pt. 2	10	49	33, 35, 37
Ham.	4822 1	"	<i>maxima</i> (Conrad).....Hall.	P. N. L. S.	5, pt. I	343	49	34, 36
"	4822 2	"	" " "	Pal. N. Y.	pt. 2	9	48	29-34, 38
"	4822 3	"	" " "	" "	5, pt. I	335	48	35, 37
"	4823 1	Type.	<i>muta</i>.....H. & W.	Geol. N. Y.	5, pt. I	335	48	6
"	4823 2	"	" " Hall.	Pal. N. Y.	5, pt. I	335	48	36
"	4824 1	"	<i>perplana</i>.....H. & W.	P. N. L. S.	pt. 2	8	49	27, 30
"	4824 2	"	" (H. & W.) Hall.	Pal. N. Y.	5, pt. I	337	49	15
"	4824 3	"	" " "	" "	5, pt. I	339	50	16, 17, 20-22
"	4824 4	"	" " "	" "	5, pt. I	339	50	18
"	4824 5	"	" " "	" "	5, pt. 2	339	50	19
"	4825 1	"	<i>plana</i>.....H. & W.	P. N. L. S.	pt. 2	7	48	22, 23, X2
"	4825 2	"	" (H. & W.).....Hall.	Pal. N. Y.	5, pt. I	334	48	23
"	4825 3	"	" " "	" "	5, pt. I	334	48	25, 26
Port.?	4826 1	"	<i>similis</i>.....Whitfield.	N. Y. A. S.	5, pt. I	217	12	4, 5
"	4827 1	"	" " "	" "	5	561	8	4, 5
Ham.	4827 2	"	<i>tenuistriata</i>.....H. & W.	Geol. O.	7	453	8	4, 5
"	4827 3	"	" " Hall.	P. N. L. S.	pt. 2	9	49	1, 14
"	4827 4	"	" (H. & W.) Hall.	Pal. N. Y.	5, pt. I	336	49	2, 3, 9
"	4827 5	"	" " "	" "	5, pt. I	336	49	10
"	4827 6	"	" " "	" "	5, pt. I	336	49	11
U. H.	4810 1	"	Palæopinna Hall. <i>recurva</i>.....Hall.	" "	5, pt. I, Pl. & Ex.	...	25	19
"	4810 2	"	" " "	N. Y. S. M.	35	398	25	19
"	4810 3	"	" " "	Pal. N. Y.	5, pt. I	241	25	19
Ham.	4828 1	Gen. and Sp. Type.	Palæosolen Hall..... <i>siliquoideus</i>.....H. & W.	P. N. L. S.	pt. 2	89	...	...
"	4828 2	"	" " Hall.	Pal. N. Y.	5, pt. I, Pl. & Ex.	...	78	33
"	4828 3	"	" " "	" "	5, pt. I	483	78	33
"	4829 1	Type.	Panenka Barrande. <i>abrupta</i>.....Hall.	" "	5, pt. I	423	69	11
"	4829 2	"	" " "	" "	5, pt. I, Pl. & Ex.	...	69	11
"	4829 3	"	" " "	" "	5, pt. I	423	69	16
Mar.	4829 4	"	<i>hero</i>.....Hall.	" "	5, pt. I, Pl. & Ex.	...	69	3
"	4829 5	"	" " "	" "	5, pt. I	418	69	3
"	4829 6	"	<i>mollis</i>.....Hall.	" "	5, pt. I	420	80	8
"	4829 7	"	" " "	" "	5, pt. I, Pl. & Ex.	...	80	8

LOCALITY.	REMARKS.
Near Portland Harbor, N. Y.	Cast of left valve.
Near Ithaca, N. Y.	Casts of a left and two right valves.
" "	Cast of right valve.
Jefferson, N. Y.	Casts of one left and two right valves.
Schoharie Co., N. Y.	Cast of a small left valve.
Near Ithaca, N. Y.	Cast of right valve. From the "Inclined Plane."
Cortland, N. Y.	Casts of two opposite valves and an individual (fig. 35).
Near Ithaca, N. Y.	Casts of two opposite valves.
Fultonham, N. Y.	Casts of one right and three left valves and an entire individual.
Cayuga Lake, N. Y.	Cast of a right valve.
.....	As type of <i>Tellina? ovata</i> Hall.
Cayuga Lake, N. Y.	Cast of a pair of expanded valves.
Seneca Lake, N. Y.	Casts of a small left and a large right valve.
.....	Generic reference queried.
Seneca Lake, N. Y.	Cast of a pair of expanded valves. From "Baileytown."
Schoharie Co., N. Y.	Casts of two left valves, one right valve and two pairs of expanded valves. From "Bear's Gulf."
Outlet of Lake Keuka, N. Y.	Cast of a left valve.
Ludlowville, N. Y.	Cast of left valve with umbo cut away.
Seneca Lake, N. Y.	Cast of right valve.
Near Ithaca, N. Y.	Cast of left valve. From the tunnel at Fall creek.
Butternuts, N. Y.	Internal cast of left valve in block with many others. Otsego county.
Leroy, Ohio.	Internal cast of individual. From the Erie shale.
Seneca Lake, N. Y.	A very perfect right valve and a larger exfoliated one.
Onondaga Co., N. Y.	Entire individual. From Pratt's Falls.
Lake Erie, N. Y.	Internal cast of left valve.
Near Cumberland, Md.	Left valve retaining internal cast of right valve.
Stafford, N. Y.	Cast of left valve retaining some test, beak missing.
.....	Defined as a subgenus of <i>Solen</i> .
.....	As <i>Orthonota siliquioidea</i> .
.....	" " "
Schoharie Co., N. Y.	" <i>Solen (Palæosolen) siliquioidea</i> . Cast of right valve.
Cumberland, Md.	" <i>Cardiola? radians</i> Con. Cast of individual, somewhat distorted.
" "	Cast of individual.
.....	As <i>Cardiola? hero</i> .
Erie Co., N. Y.	Cast of left valve. From the "Indian reservation."
Central New York.	As <i>Cardiola?</i> —. Cast of a pair of expanded valves.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	4830 1	Type.	Palæosolen Hall—Cont. potens.....Hall.	Pal. N. Y.	5, pt. I	422	69	8, 10
	4830 2	"	".....Hall.	" "	5, pt. I, Pl. & Ex.	421	69	8, 10
	4831 1	"	retusa.....Hall.	" "	5, pt. I, Pl. & Ex.	421	69	6
Port.	4831 1	"	robusta (Hall)....Miller.	Am. P. F.	.....	186	.....	.....
	4831 2	"	".....Hall.	Pal. N. Y.	5, pt. I, Pl. & Ex.	424	70	22, 24
	4831 2	"	".....Hall.	" "	5, pt. I	424	70	23
"	4832 1	"	Paracardium Barrande. doris.....Hall.	" "	5, pt. I, Pl. & Ex.	428	70	10, 11
	4832 1	"	".....Hall.	" "	5, pt. I	428	70	10, 11
	4832 1	"	Paracyclas Hall. elevata.....Hall.	Geol. N. Y.	4th D.	171	ct 67	2
U. H.	4002 2	Gen. and Sp. Type.	elliptica.....Hall.	Pal. N. Y.	5, pt. I	440	72	25, 26
	4002 1	"	".....Hall.	" "	5, pt. I	440	72	23
	4002 3	"	".....Hall.	" "	5, pt. I	440	72	29
Ham.	4002 4	"	".....Hall.	" "	5, pt. I	440	72	30
	4002 4	"	".....H. & W.	N. Y. S. M.	24	189	.....	31-33
	4832 2	"	fissa.....Hall.	Pal. N. Y.	5, pt. I	441	72	3, 4
Ham.	4832 2	Fig'd.	lirata (Conrad)....Hall.	" "	5, pt. I	441	72	6, 15, 16
	4832 2	"	".....Hall.	" "	5, pt. I	441	72	7-10
	4832 2	"	".....Hall.	" "	5, pt. I	441	72	7-10
Chem.	4834 1	Type.	?pauper.....Hall.	" "	5, pt. I, Pl. & Ex.	446	75	25
	4834 1	"	".....Hall.	" "	5, pt. I	446	75	25
	4834 1	"	".....Hall.	" "	5, pt. I	446	95	20
Ham.	4835 1	Fig'd Sp. and G. T.	Pecten Müller. cancellatus.....	.....	.....	.....	.....	.....
	4835 2	"	convexus.....	.....	.....	.....	.....	.....
	4835 3	"	crenulatus.....	.....	.....	.....	.....	.....
"	4835 3	"	dolabriformis.....	.....	.....	.....	.....	.....
	4835 3	"	duplicatus.....	.....	.....	.....	.....	.....
	4835 3	"	Hallianus.....	.....	.....	.....	.....	.....
"	4835 3	"	striatus.....	.....	.....	.....	.....	.....
	4835 3	"	Pholadella H. & W. constricta.....	.....	.....	.....	.....	.....
	4835 3	"	radiata (Con.) H. & W.	P. N. L. S.	pt. 2	63	.....	.....
"	4835 3	"	".....Hall.	Pal. N. Y.	5, pt. I	469	78	15, 17
	4835 3	"	".....Hall.	" "	5, pt. I	469	78	19
	4835 3	"	".....Hall.	" "	5, pt. I	469	78	21
"	4836 1	Type.	Phthonia H. & W. cylindrica.....Hall.	" "	5, pt. I, Pl. & Ex.	473	78	2
	4836 1	"	".....Hall.	" "	5, pt. I	473	78	2
	4836 1	"	nodicostata....H. & W.	P. N. L. S.	pt. 2	71	.....	.....
"	4836 1	"	".....Hall.	Pal. N. Y.	5, pt. I	474	78	6
	4836 1	"	sectifrons (Con.) H. & W.	P. N. L. S.	pt. 2	70	.....	.....
	4836 1	"	".....Hall.	Pal. N. Y.	5, pt. I	474	78	10, 11
"	4836 1	"	Pinnopsis Hall. acutirostra.....	.....	.....	.....	.....	.....
	4836 1	"	ornata.....	.....	.....	.....	.....	.....
	4836 1	"	".....	.....	.....	.....	.....	.....

LOCALITY.	REMARKS.
Madison Co., N. Y.	As <i>Cardiola? radians</i> Conrad. Casts of two individuals.
Cayuga Lake, N. Y.	" " " " Cast of left valve.
.....	" <i>Cardiopsis robusta</i> , nomen nudum.
.....	" <i>Cardiola? robusta</i> .
Below Portage, N. Y.	Casts of two opposite valves.
Near Penn Yan, N. Y.	Cast of left valve.
.....	As <i>Cardiola doris</i> .
Cashaqua Creek, N. Y.	Casts of two opposite valves in same block.
.....	See <i>Schizodus fissus</i> .
LeRoy, N. Y.	Cast of individual.
Clarence, N. Y.	Cast of individual.
Western New York.	Cast of individual.
LeRoy, N. Y.	Cast of individual.
Falls of Ohio River.	As type of <i>Lucina (Paracyclas) elliptica</i> , var. <i>occidentalis</i> . Silicified individual.
.....	See <i>Schizodus fissus</i> .
Clarke Co., Ind.	Two silicified individuals.
Near Fultonham, N. Y.	Casts of one left and two right valves.
" " " "	Casts of two individuals.
.....	As <i>Cytherodon (Schizodus) pauper</i> .
Near Olean, N. Y.	Cast of pair of expanded valves.
.....	See <i>Aviculopecten cancellatus</i> .
.....	" " <i>convexus</i> .
.....	" <i>Crenipecten crenulatus</i> and <i>C. amplus</i> .
.....	" <i>Aviculopecten dolabriformis</i> .
.....	" " <i>duplicatus</i> .
.....	" " <i>cancellatus</i> .
.....	" " <i>striatus</i> .
.....	" <i>Grammysia constricta</i> .
Summit, N. Y.	Casts of two opposite valves. Schoharie county.
Cazenovia, N. Y.	Cast of an individual, compressed vertically.
Near Ithaca, N. Y.	Cast of a right valve. From the "Inclined Plane."
Cayuga Lake, N. Y.	Cast of right valve.
Near Oneonta, N. Y.	Cast of right valve.
Cazenovia, N. Y.	Casts of two left valves.
.....	Synonym of <i>Lunulicardium</i> .
.....	See <i>Lunulicardium ornatum</i> .
.....	" " "

Class LAMELLIBRANCHIATA.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Plethomytilus Hall.....					
Scho.	2339 1	Type.	arenaceus H. & W.	P. N. L. S.	pt. 2	20		
			Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.		30	1
			"	" "	5, pt. 1	253	30	1
			<i>arenosa</i>					
Ham.	4839 2	Fig'd.	oviformis (Con.) H. & W.	P. N. L. S.	pt. 2	21		
			Hall.	Pal. N. Y.	5, pt. 1	255	31	1
			" " "	" "	5, pt. 1	255	31	4
			" " "	" "	5, pt. 1	255	31	5
			" " "	" "	5, pt. 1	255	31	6
U. H.	3093 5	Sp. and G. Type.	ponderosus. H. & W.	P. N. L. S.	pt. 2	21		
			Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	4	30	2
			"	" "	5, pt. 1	254	30	2
			" (H. & W.) Hall.	" "	5, pt. 1	254	30	3, 4
			" " "	" "	5, pt. 1	254	30	5
			" " "	" "	5, pt. 1	254	30	6, 7
			Pleurorhynchus Phillips					
			<i>trigonalis</i>					
Port.	4840 1	Type.	Præcardium Barrande.					
			vetustum Hall.	Geol. N. Y.	4th D.	245	ct. 107	2
			"	Pal. N. Y.	5, pt. 1	427	70	18-20
Ham.	4841 1	"	Prothyris Meek.					
			lanceolata Hall.	" "	5, pt. 1, Pl. & Ex.		76	3, 7
			"	" "	5, pt. 1	460	76	3, 7
			planulata Hall.	" "	5, pt. 1, Pl. & Ex.		76	1, enl. X 3
			"	" "	5, pt. 1	460	76	1, "
			Pterinea Goldfuss.					
			<i>cardiiformis</i>					
Chem.	4842 1	Fig'd.	chemungensis (Con.) Hall.	Geol. N. Y.	4th D.	263	117	1
			"	Pal. N. Y.	5, pt. 1, Pl. & Ex.		16	10
			"	" "	5, pt. 1	98	16	10
			" " "	" "	5, pt. 1	98	16	3, 12
Ham.	4843 1	Type.	consimilis Hall.	" "	5, pt. 1, Pl. & Ex.		16	2
			"	N. Y. S. M.	35	291		
			"	Pal. N. Y.	5, pt. 1	100	16	2
			"	" "	5, pt. 1	100	16	9, 11
			fiabella (Conrad) ... Hall.	Pal. N. Y.	5, pt. 1	93	14	1-3, 6, 10
			" " "	" "	5, pt. 1	93	14	17-19
			" " "	" "	5, pt. 1	93	14	13
			" " "	" "	5, pt. 1	93	14	15, 16, 21
			" " "	" "	5, pt. 1	93	14	20
			" " "	" "	5, pt. 1	93	15	1
U. H.	3094 1	"	" " "	" "	5, pt. 1	93	15	4, 5
Ham.	3094 8	"	" " Whitfield.	N. Y. A. S.	5	555	11	17
			"	Geol. O.	7	449	7	17

LOCALITY.	REMARKS.
.....	In the regular edition of Pal. N. Y., vol. 5, pt. 1, at page xiv, this is made a subgenus under <i>Mytilarca</i> .
.....	As <i>Mytilarca arenacea</i> .
Schoharie, N. Y.	“ “ (<i>Plethomytilus</i>) <i>arenosa</i> , by error, in explanation of plate. Cast of right valve.
.....	See <i>Plethomytilus arenaceus</i> .
.....	As <i>Mytilarca oviformis</i> . Comments made.
Port Deposit, N. Y.	Cast of left valve. Cayuga Lake.
York, N. Y.	Cast of right valve.
Geneseo, N. Y.	Compressed cast of pair of partly expanded valves.
Seneca Lake, N. Y.	Cast of right valve widened by compression.
.....	As <i>Mytilarca ponderosa</i> .
.....	Made the type of the new genus <i>Plethomytilus</i> .
Clarence Hollow, N. Y.	Cast of a small individual.
“ “	Casts of two left valves.
Near Dublin, O.	Large right valve, mostly exfoliated.
Columbus, O.	Internal cast of large individual.
.....	Synonym of <i>Conocardium</i> .
.....	See <i>Conocardium cuneus</i> , var. <i>trigonale</i> .
.....	As <i>Cardium? vetustum</i> .
Near Portland Harbor, N. Y.	Casts of one left and two right valves.
Fultonham, N. Y.	Casts of a left valve and a pair of expanded valves.
Outlet of Lake Keuka, N. Y.	Cast of pair of expanded valves. From “Lock No. 5.”
.....	See <i>Megambonia cardiiiformis</i> .
.....	As type of <i>Avicula pecteniiformis</i> Hall.
.....	Referred to present genus and species.
Chemung Narrows, N. Y.	Cast of left valve.
Chemung Upper Narrows, N. Y.	Casts of two opposite valves.
Chemung, N. Y.	Cast of right valve.
Near Elmira, N. Y.	Casts of two left valves.
Madison Co., N. Y.	Casts of three left valves and an individual (figs. 2 and 10).
Worcester, N. Y.	Internal cast of left valve.
Hamilton, N. Y.	Cast of large right valve.
Onondaga Co., N. Y.	Part of the internal cast of a right valve and the cardinal portion of a left valve. From Pratt's Falls.
Otsego Co., N. Y.	Internal cast of small individual.
Stafford, N. Y.	Cast of left valve, somewhat imperfect.
Otsego Co., N. Y.	Internal cast of left valve.
Tully, Ohio.	Cast of left valve.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Chem.	4845 1	Type.	Pterinea Goldfuss—Cont.					
			prora Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	16	4, 13
			“ “	N. Y. S. M.	35	292		
			“ “	Pal. N. Y.	5, pt. 1	102	16	4, 13
Chem.	4846 1	Type.	reversa					
			“ var. <i>avis</i>					
			rigida Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	16	5
			“ “	N. Y. S. M.	35	292		
“	4846 2	“	“ “	Pal. N. Y.	5, pt. 1	101	16	5
			“ “	“ “	5, pt. 1	101	16	6
			suborbicularis					
			triquetra					
Mar.	4847 1	Type.	Pterinopecten Hall.					
			conspectus					
			dignatus Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	1	12, 14, 15
			“ “	N. Y. S. M.	35	262		
Ham.	4847 1	“	“ “	Pal. N. Y.	5, pt. 1	62	1	12, 14, 15
			exfoliatus Hall.	“ “	5, pt. 1, Pl. & Ex.	....	1	17
			“ “	N. Y. S. M.	35	261		
			“ “	Pal. N. Y.	5, pt. 1	61	1	17
“	4848 1	“	filitextus Hall.	“ “	5, pt. 1, Pl. & Ex.	....	17	22
			“ “	N. Y. S. M.	35	267		
			“ “	Pal. N. Y.	5, pt. 1	67	17	22
							82	10
Chem.	4849 1	“	imbecilis Hall.	“ “	5, pt. 1, Pl. & Ex.	....	24	1
			“ “	N. Y. S. M.	35	272		
			“ “	Pal. N. Y.	5, pt. 1	75	24	1
			“ “	“ “	5, pt. 1, Pl. & Ex.	....	1	4
U. H.	8091 1	“	insons Hall.	“ “	5, pt. 1, Pl. & Ex.	....	1	4
			“ “	N. Y. S. M.	35	260		
			“ “	Pal. N. Y.	5, pt. 1	59	1	4
			intermedius Hall.	N. Y. S. M.	35	267		
Ham.	4850 1	“	“ “	Pal. N. Y.	5, pt. 1	68	17	19
			“ “	“ “	5, pt. 1, Pl. & Ex.	....	17	19
			laetus Hall.	N. Y. S. M.	35	263		
			“ “	Pal. N. Y.	5, pt. 1	63	1	13
U. H.	8092 1	Type.	“ “	“ “	5, pt. 1, Pl. & Ex.	....	1	13
			lautus					
			multiradiatus Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	1	6, 7
			“ “	N. Y. S. M.	35	259		
Chem.	4851 1	“	“ “	Pal. N. Y.	5, pt. 1	57	1	6, 7
			suborbicularis Hall.	Geol. N. Y.	4th D.	264	ct 119	1
			“ “	N. Y. S. M.	35	276		
			“ “	Pal. N. Y.	5, pt. 1	80	8	2
Ham.	4852 1	Gen. and Sp. Type.	terminalis					
			undosus Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	2	15
			“ “	N. Y. S. M.	35	270		
			“ “	Pal. N. Y.	5, pt. 1	72	2	15
			(Hall) Miller.	Am. P. F.	.....	185		

LOCALITY.	REMARKS.
Near Elmira, N. Y.	Cast of right valve and imprint of left valve retaining part of internal cast. From "Buck's quarry."
.....	See <i>Vertumnia reversa</i> .
.....	" " <i>avis</i> .
Near Elmira, N. Y.	Cast of left valve.
Chemung, N. Y.	Cast of left valve.
.....	See <i>Pterinopecten suborbicularis</i> .
.....	" <i>Gosseletia triquetra</i> .
.....	See <i>Pterinopecten intermedius</i> .
Bloomfield, N. Y.	Casts of two left valves and a pair of expanded valves.
Vienna, N. Y.	Much exfoliated left valve. Ontario county.
Pine Valley, N. Y.	Right valve, imbedded. From a bowlder. Chemung county.
Tioga, Pa.	Cast of left valve.
Western New York.	Partly exfoliated left valve, imbedded.
Cayuga Lake, N. Y.	As one of the types of <i>Pterinopecten conspectus</i> . Cast of left valve.
Bloomfield, N. Y.	As <i>Pterinopecten lautus</i> (typographical error). Cast of left valve.
.....	See <i>Pterinopecten latus</i> .
Stafford, N. Y.	Cast of left valve and its matrix.
.....	As <i>Pterinea?</i> <i>suborbicularis</i> .
Allegheny Co., N. Y.	Cast of left valve. From "Hobbieville."
.....	See <i>Aviculopecten</i> (<i>Pterinopecten?</i>) <i>terminalis</i> .
Near Covington, N. Y.	As <i>Aviculopecten undulatus</i> , nomen nudum. Cast of right valve.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	4853 ₁	Gen. and Sp. Type.	Pterinopecten Hall— <i>Cont.</i>					
			vertumnus.....Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	5	1, 5, 7
"	4853 ₂	"	" " " "	N. Y. S. M.	35	269		
			" " " "	Pal. N. Y.	5, pt. 1	71	5	1, 5, 7
"	4853 ₃	"	" " " "	" " "	5, pt. 1	71	5	2, 3, 8
Chem.	4854 ₁	Type.	Pteronites McCoy.					
			decussata.....					
Chem.	4854 ₂	Type.	rostratus.....Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	22	24
			" " " "	N. Y. S. M.	35	396		
Chem.	4855 ₁	Type.	subdecussata.....	Pal. N. Y.	5, pt. 1	238	22	24
Chem.	4855 ₂	Type.	Ptychodesma H. & W.					
			minor.....Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	41	27
Chem.	4855 ₃	Type.	" " " "	" " "	5, pt. 1	353	41	27
			Sanguinolites McCoy.					
Chem.	4855 ₄	Type.	acutus.....					
			glaucus.....					
Chem.	4855 ₅	Type.	ponderosus.....					
			rigidus.....					
Chem.	4855 ₆	Type.	solenoides.....					
			subtortuosus.....					
Chem.	4855 ₇	Type.	truncatus.....					
			undatus.....					
Chem.	4855 ₈	Type.	? undulatus.....H. & W.	P. N. L. S.	pt. 2	91		
			" " " " Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	64	1
Chem.	4855 ₉	Type.	" " " " "	" " "	5, pt. 1	508	64	1
			ventricosus.....					
Ham.	4856 ₁	Fig'd.	Schizodus King.					
			appressus (Con.) H. & W.	P. N. L. S.	pt. 2	95		
Ham.	4856 ₂	"	" " " " Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	75	3
			" " " " "	" " "	5, pt. 1	449	75	3
"	4856 ₃	"	" " " " "	" " "	5, pt. 1, Pl. & Ex.	....	75	4, 9
			" " " " "	" " "	5, pt. 1	449	75	4, 9
"	4856 ₄	"	" " " " "	" " "	5, pt. 1, Pl. & Ex.	....	75	5-7
			" " " " "	" " "	5, pt. 1	449	75	5-7
"	4856 ₅	"	" " " " "	" " "	5, pt. 1, Pl. & Ex.	....	75	8
			" " " " "	" " "	5, pt. 1	449	75	8
Chem.	4856 ₆	"	chemungensis (Con.)					
			H. & W.	P. N. L. S.	pt. 2	96		
Chem.	4856 ₇	"	" " " " Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	75	37
			" " " " "	" " "	5, pt. 1	453	75	37
"	4856 ₈	"	" " " " "	" " "	5, pt. 1, Pl. & Ex.	....	75	38, 39
			" " " " "	" " "	5, pt. 1	453	75	38, 39
"	4856 ₉	"	" " " " "	N. Y. S. M.	23	....	14	20
			" " " " "	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	75	40
"	4856 ₁₀	"	" " " " "	" " "	5, pt. 1	453	75	40
			" " " " H. & W.	P. N. L. S.	pt. 2	97	....	
"	4856 ₁₁	"	" " " " Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	75	45
			" " " " "	" " "	5, pt. 1	453	75	45

LOCALITY.	REMARKS.
Summit, N. Y. Near Fultonham, N. Y.	Imprints of three pairs of expanded valves. Schoharie county. Casts of two left valves and a pair of expanded valves. See <i>Actinopteria decussata</i> .
Rockville, N. Y.	Cast of left valve. Allegany county. See <i>Actinopteria subdecussata</i> .
Near Elmira, N. Y.	Doubtfully referred to this genus. Cast of right valve.
.....	See <i>Goniophora acuta</i> . " " <i>glauca</i> . " <i>Modiomorpha ponderosa</i> . " <i>Sphenotus contractus</i> . " " <i>solenoides</i> . " " <i>subtortuosus</i> . " " <i>truncatus</i> and <i>Orthonota parvula</i> . " " <i>rigida</i> . As <i>Edmondia undulata</i> . " " "
Cattaraugus Co., N. Y.	Cast of right valve. From one-half mile south of Great Valley. See <i>Spathella typica</i> .
Pratt's Falls, N. Y.	As <i>Cytherodon</i> (<i>Schizodus</i>) <i>appressus</i> . Internal cast of right valve. Onondaga county.
Schoharie Co., N. Y.	As <i>Cytherodon</i> (<i>Schizodus</i>) <i>appressus</i> . Casts of two opposite valves.
Cayuga Lake, N. Y.	As <i>Cytherodon</i> (<i>Schizodus</i>) <i>appressus</i> . Casts of a pair of expanded valves and two opposite, separate valves. From "Ogden's Ferry."
Summit, N. Y.	As <i>Cytherodon</i> (<i>Schizodus</i>) <i>appressus</i> . Cast of small right valve. Schoharie county.
Tioga Co., N. Y.	As <i>Cytherodon</i> (<i>Schizodus</i>) <i>chemungensis</i> . Cast of right valve in block with original of fig. 40, same plate. From three miles north of Factoryville.
Near Ithaca, N. Y.	As <i>Cytherodon</i> (<i>Schizodus</i>) <i>chemungensis</i> . Casts of a pair of expanded valves and a left valve. As <i>Cytherodon appressus</i> Conrad.
Tioga Co., N. Y.	As <i>Cytherodon</i> (<i>Schizodus</i>) <i>chemungensis</i> . Cast of left valve in block with original of fig. 37, same plate. From three miles north of Factoryville.
Cortland, N. Y.	As <i>Schizodus oblatum</i> , nomen nudum. " <i>Cytherodon</i> (<i>Schizodus</i>) <i>oblatum</i> , type. Cast of left valve.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Chem.	4858 ₂	Fig'd.	Schizodus King— <i>Cont.</i> <i>chemungensis</i> (Con.)? <i>Hall.</i>	Pal. N. Y.	5, pt. 1, Pl. & Ex.	....	75	41
	4859 ₁	Type.	" <i>var. quadrangularis</i> <i>H. & W.</i> <i>Hall.</i>	P. N. L. S. Pal. N. Y.	pt. 2 5, pt. 1, Pl. & Ex.	453	75	41 32, 33
"	4859 ₂	"	" " " (<i>H. & W.</i>) <i>H.</i>	" "	5, pt. 1, Pl. & Ex.	....	75	34
"	4859 ₃	"	" " " " "	" "	5, pt. 1, Pl. & Ex.	....	75	36
"	4860 ₁	"	<i>degener</i> <i>Hall.</i>	" "	5, pt. 1, Pl. & Ex.	....	75	36
Scho.	4847 ₁	"	? <i>fissus</i> <i>Hall.</i>	" "	5, pt. 1, Pl. & Ex.	....	72	35, 36
	"	"	? " " " " "	" "	5, pt. 1, Pl. & Ex.	....	72	38-40
Chem.	4861 ₁	"	<i>gregarius</i> <i>H. & W.</i> <i>Hall.</i>	P. N. L. S. Pal. N. Y.	pt. 2 5, pt. 1, Pl. & Ex.	97	75	16-18
	"	"	" " " " "	" "	5, pt. 1, Pl. & Ex.	....	75	16-18
Chem.	4862 ₁	Type.	<i>quadrangularis</i> <i>rhombus</i> <i>Hall.</i> <i>H. & W.</i> <i>Hall.</i>	Geol. N. Y. P. N. L. S. Pal. N. Y.	4th D. pt. 2 Pl. & Ex.	291 97	ct 139	3 20
	"	"	" " " " "	" "	5, pt. 1, Pl. & Ex.	....	75	20
Chem.	4863 ₁	Gen. and Sp. Type.	Solen Linné. <i>-siliquoides</i>					
	4863 ₂	"	Spathella Hall. <i>typica</i> <i>Hall.</i>	Pal. N. Y.	5, pt. 1, Pl. & Ex.	407	66	37, 39, 40
"	4863 ₂	"	" " " " " <i>Hall.</i>	" "	5, pt. 1, Pl. & Ex.	....	66	38
"	4863 ₄	Type.	Sphenotus Hall. <i>clavulus</i> (<i>H. & W.</i>) <i>Hall.</i>	" "	5, pt. 1, Pl. & Ex.	401	66	2
"	4865 ₁	Gen. and Sp. Type.	<i>contractus</i> <i>Hall.</i> <i>H. & W.</i> <i>Hall.</i>	Geol. N. Y. P. N. L. S. Pal. N. Y.	4th D. pt. 2 5, pt. 1, Pl. & Ex.	292 44	ct 139	4
"	4865 ₂	"	" " " " "	" "	5, pt. 1, Pl. & Ex.	....	66	5
"	4865 ₃	"	" " " " "	" "	5, pt. 1, Pl. & Ex.	....	66	1, 3, 7
"	4865 ₃	"	" " " " "	" "	5, pt. 1, Pl. & Ex.	....	66	8-10
"	4865 ₂	"	" " " " "	" "	5, pt. 1, Pl. & Ex.	....	66	8-10
"	4865 ₄	"	" " " " "	" "	5, pt. 1, Pl. & Ex.	....	66	6, 11
"	4865 ₄	"	" " " " "	" "	5, pt. 1, Pl. & Ex.	....	66	12
"	4865 ₄	"	" " " " "	" "	5, pt. 1, Pl. & Ex.	....	66	12

LOCALITY.	REMARKS.
..... Near Ithaca, N. Y.	As type of <i>Cytherodon</i> (<i>Schizodus</i>) <i>oblatius</i> . Imperfect cast of left valve.
..... Near Elmira, N. Y.	As <i>Schizodus quadrangularis</i> . " <i>Cytherodon</i> (<i>Schizodus</i>) <i>quadrangularis</i> . Casts of two opposite valves.
..... Cayuta Creek, N. Y.	As <i>Cytherodon</i> (<i>Schizodus</i>) <i>quadrangularis</i> . Cast of right valve. Tioga county.
..... Tioga Co., N. Y.	As <i>Cytherodon</i> (<i>Schizodus</i>) <i>quadrangularis</i> . Cast of left valve. From three miles north of Factoryville.
..... Nichols, N. Y.	As a type of <i>Cardiomorpha rotunda</i> Hall. Cast of left valve.
..... Schoharie, N. Y.	" <i>Paracyclas</i> ? <i>fissa</i> . Internal cast of individual.
..... Schoharie, N. Y.	As type of <i>Paracyclas elevata</i> . Internal cast of individual.
..... Near Tioga, Pa.	<i>Nomen nudum</i> . As <i>Cytherodon</i> (<i>Schizodus</i>) <i>gregarius</i> . Casts of two opposite valves and a block bearing several casts, including the original of fig. 18.
.....	See <i>Schizodus chemungensis</i> var. <i>quadrangularis</i> .
.....	As <i>Cypricardia</i> ? <i>rhombea</i> .
.....	" <i>Schizodus rhombeus</i> , without redescription.
.....	" <i>Cytherodon</i> (<i>Schizodus</i>) <i>rhombeus</i> .
..... Chautauqua Co., N. Y.	Cast of left valve in sandstone. From eight miles south of Mayville.
.....	See <i>Palæosolen siliquoideus</i> .
..... Chemung Co., N. Y.	As <i>Sanguinolites ventricosus</i> W. & W. Casts of a left and two right valves in separate blocks.
.....	As <i>Sanguinolites ventricosus</i> W. & W.
..... Tompkins Co., N. Y.	Cast of left valve.
.....	Not, however, one of the original types of P. N. L. S., pt. 2, p. 45.
..... Belmont, N. Y.	As <i>Sanguinolites rigidus</i> W. & W. Cast of a left valve.
.....	" <i>Cypricardia contracta</i> .
.....	" <i>Sanguinolites rigidus</i> W. & W.
.....	" " " "
..... Chautauqua Co., N. Y.	Cast of left valve. From eight miles south of Mayville.
.....	As <i>Sanguinolites rigidus</i> W. & W.
..... Belmont, N. Y.	Casts of two left and one right valve.
.....	As <i>Sanguinolites rigidus</i> W. & W.
..... Rockville, N. Y.	Casts of three right valves. Allegany county.
.....	As <i>Sanguinolites rigidus</i> W. & W.
..... Belmont, N. Y.	Cast of right valve somewhat compressed vertically.
.....	As <i>Sanguinolites rigidus</i> W. & W.
..... Near Olean, N. Y.	Cast of right valve. Found loose.

Class LAMELLIBRANCHIATA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	4868 1	Fig'd.	Sphenotus Hall—Continued.					
			cuneatus (Con.) H. & W.	P. N. L. S.	pt. 2	39	.....	.....
			Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	.....	65	13-17
			"	"	5, pt. 1	396	65	13-17
			"	"	"	"	"	"
"	4867 1	Type.	solenoides..... H. & W.	P. N. L. S.	pt. 2	38	.....	.....
			Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	.....	65	25, 26
			"	"	5, pt. 1	398	65	25, 26
			subtortuosus... H. & W.	P. N. L. S.	pt. 2	41	.....	.....
			Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	.....	65	18
"	4868 1	"	"	"	"	"	"	"
			"	"	5, pt. 1	397	65	18
			truncatus (Con.) H. & W.	P. N. L. S.	pt. 2	42	.....	.....
			Hall.	Pal. N. Y.	5, pt. 1, Pl. & Ex.	.....	65	1, 4, 6
			"	"	5, pt. 1	394	65	1, 4, 6
Ham.	4870 1	Fig'd Sp. and G. T.	Tellina Linne.					
			ovata.....					
			Tellinopsis H. & W.					
			submarginata (Con.)					
			H. & W.	P. N. L. S.	pt. 2	80		
"	4870 2	"	"	Pal. N. Y.	5, pt. 1	464	76	22, 28
			"	"	5, pt. 1	464	76	23
			"	"	"	"	"	"
			"	"	5, pt. 1	464	76	25
			"	"	"	"	"	"
Port.	4871 1	Type.	Ungulina Daudin.					
			suborbicularis..... Hall.	Geol. N. Y.	4th D.	244	ct. 106	2
			"					
			"					
			"					
Chem.	4872 1	"	Vertumnia Hall.					
			avis..... Hall.	Pal. N. Y.	5, pt. 1	105	24	9, 13
			"	"	5, pt. 1, Pl. & Ex.	.....	24	9, 13
			reversa..... Hall.	"	5, pt. 1, Pl. & Ex.	.....	24	6
			"	"	5, pt. 1	104	24	6
"	4873 2	"	"	"	5, pt. 1, Pl. & Ex.	.....	84	24
			"	"	"	"	24	12
			"	"	5, pt. 1	104	24	12
			"	"	"	"	"	"
			"	"	"	"	"	"

Class GASTROPODA.

Ham.	4875 1	Type.	Acroculia Phillips.					
			erecta.....					
			Bellerophon Montfort.					
			acutilira..... Hall.	N. Y. S. M.	15	56		
			"	I. D. F.	Gast.	.....	25	8
"	4875 2	"	"	Pal. N. Y.	5, pt. 2	106	25	4
			"	I. D. F.	Gast.	.....	25	9
			"	Pal. N. Y.	5, pt. 2	106	26	13
			"	"	5, pt. 2	106	25	5
			"	I. D. F.	Gast.	.....	25	19-21
"	4876 1	"	"	Pal. N. Y.	5, pt. 2	106	25	6-8
			crenistris..... Hall.	I. D. F.	Gast.	.....	25	12
			"	Pal. N. Y.	5, pt. 2	116	25	17
			curvilineatus..... Conrad.	J. A. N. S.	8	269	16	7
			Hall.	I. D. F.	Gast.	.....	25	28
U. H.	4042 1	"	"	Pal. N. Y.	5, pt. 2	94	22	1

LOCALITY.	REMARKS.
.....	As <i>Sanguinolites cuneatus</i> .
.....	" " "
Near Fultonham, N. Y.	Casts of one left valve, two right valves and two pairs of expanded valves. From "Bear's Gulf."
.....	As <i>Sanguinolites solenoides</i> .
.....	" " "
Canandaigua L., N. Y.	Cast of individual, somewhat imperfect.
.....	As <i>Sanguinolites subtortuosus</i> .
.....	" " "
Near Fultonham, N. Y.	Cast of left valve. From "Bear's Gulf."
.....	As <i>Sanguinolites truncatus</i> .
.....	" " "
Near Fultonham, N. Y.	Casts of two opposite valves and of a pair of partly expanded valves.
.....	From "Bear's Gulf."
.....	See <i>Palaeonilo maxima</i> .
Cayuga Lake, N. Y.	Casts of two left valves.
Smyrna, N. Y.	Cast of right valve, in block with original of fig. 3, pl. 20, same vol., <i>Leiopteria Bigsbyi</i> .
Ludlowville, N. Y.	Cast of small right valve.
Cashaqua Creek, N. Y.	Cast of left valve and its imprint. From "Shakers' Mill."
.....	Defined as a subgenus of <i>Pterinea</i> .
Near Elmira, N. Y.	As <i>Pterinea reversa</i> , var. <i>avis</i> . Imprint of two opposite valves.
.....	" " "
Elmira, N. Y.	Cast of right valve.
.....	As <i>Pterinea reversa</i> .
Chemung Upper Narrows, N. Y.	Cast of pair of expanded valves.
.....	
.....	Synonym of <i>Platyceras</i> .
.....	See <i>Platyceras erectum</i> .
Hamilton, N. Y.	A cast somewhat distorted by pressure.
.....	Doubtfully referred to this species.
Hamilton, N. Y.	A somewhat crushed cast evidently used for lower outline.
Near Delphi, N. Y.	Cast preserving shell in part. From Pratt's Falls.
.....	As <i>Cyrtolites miella</i> , by error.
Near Delphi, N. Y.	Nearly entire individual preserving shell. From Pratt's Falls.
Livingston Co., N. Y.	An imbedded individual.
Schoharie Co., N. Y.	A small individual.

Class GASTROPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Bellerophon Montfort— <i>Cont.</i>					
Ham.	$\frac{4877}{1}$	Type.	leda <i>Hall.</i>	N. Y. S. M.	15	58		
			" " " " " "	I. D. F.	Gast.	....	24	8
			" " " " " "	Pal. N. Y.	5, pt. 2	110	23	5
"	$\frac{4877}{2}$	"	" " " " " "	I. D. F.	Gast.	....	24	11-13
			" " " " " "	Pal. N. Y.	5, pt. 2	110	23	14-16
Chem.	$\frac{4878}{1}$	"	maera <i>Hall.</i>	I. D. F.	Gast.	....	22	7
			" " " " " "	Pal. N. Y.	5, pt. 2	119	25	9
Ham.	$\frac{4879}{1}$	"	natator <i>Hall.</i>	N. Y. S. M.	15	60		
			" " " " " "	I. D. F.	Gast.	....	23	12
			" " " " " "	Pal. N. Y.	5, pt. 2	108	24	1
U. H.	$\frac{4887}{1}$	Fig'd.	Newberryi (<i>Meek</i>) <i>Hall.</i>	" " " " " "	5, pt. 2	97	22	15, 16
			" " " " " "	I. D. F.	Gast.	....	22	1, 2
Ham.	$\frac{4889}{1}$	Type.	patulus <i>Hall.</i>	N. Y. S. M.	15	57		
			" " " " " "	I. D. F.	Gast.	....	23	4
			" " " " " "	Pal. N. Y.	5, pt. 2	100	22	25
"	$\frac{4889}{2}$	"	" " " " " "	I. D. F.	Gast.	....	23	5
			" " " " " "	Pal. N. Y.	5, pt. 2	100	22	21
"	$\frac{4889}{3}$	"	" " " " " "	I. D. F.	Gast.	....	23	8
			" " " " " "	Pal. N. Y.	5, pt. 2	100	22	24
U. H.	$\frac{4889}{3}$	"	pelops <i>Hall.</i>	N. Y. S. M.	15	56		
			" " " " " "	I. D. F.	Gast.	....	22	3-5
			" " " " " "	Pal. N. Y.	5, pt. 2	95	22	7-9
"	$\frac{4889}{2}$	"	" " " " " "	I. D. F.	Gast.	....	25	1, 2
			" " " " " "	Pal. N. Y.	5, pt. 2	95	22	11, 12
Ham.	$\frac{4889}{4}$	"	" " " " " "	I. D. F.	Gast.	....	25	3, 3a
			" " " " " "	Pal. N. Y.	5, pt. 2	95	22	10, 13
U. H.	$\frac{4889}{5}$	"	" var. <i>exponens</i> <i>Hall.</i>	" " " " " "	5, pt. 2	96	22	14
			" " " " " "	I. D. F.	Gast.	....	25	4
Port.	$\frac{4881}{1}$	Fig'd.	striatus (<i>Bronn</i>) <i>Hall.</i>	Geol. N. Y.	4th D.	246	ct 107	7
Ham.	$\frac{4882}{1}$	Type.	thalia <i>Hall.</i>	N. Y. S. M.	15	60		
			" " " " " "	I. D. F.	Gast.	....	25	7
			" " " " " "	Pal. N. Y.	5, pt. 2	105	25	3
			<i>tricarinata</i> <i>Hall</i> (non <i>Shumard</i>)					
Chem.	$\frac{4883}{1}$	Type.	triliratus <i>Hall.</i>	Pal. N. Y.	5, pt. 2	117	24	2, 16-19
			" " " " " "	I. D. F.	Gast.	....	22	15-19
			Callonema <i>Hall.</i>					
U. H.	$\frac{4883}{2}$	Gen. and Sp. Type.	bellatulum <i>Hall.</i>	N. Y. S. M.	14	104		
			" " " " " "	" " " " " "	27	....	13	12
			" " " " " "	I. D. F.	Gast.	....	14	15
			" " " " " "	Pal. N. Y.	5, pt. 2	51	14	15
"	$\frac{4883}{1}$	"	" " " " " "	I. D. F.	Gast.	....	14	10-14
			" " " " " "	Pal. N. Y.	5, pt. 2	51	14	10-14
"	$\frac{4889}{1}$	Type.	imitator <i>H. & W. Hall.</i>	N. Y. S. M.	24	195		
			" " " " " "	" " " " " "	27	....	13	9
			" " " " " "	I. D. F.	Gast.	....	14	16
			" " " " " "	Pal. N. Y.	5, pt. 2	53	14	16
"	$\frac{4888}{1}$	"	lichas <i>Hall.</i>	N. Y. S. M.	14	106		
			" " " " " "	I. D. F.	Gast.	....	12	19-21
			" " " " " "	Pal. N. Y.	5, pt. 2	52	12	19-21
"	$\frac{4888}{3}$	"	" " " " " "	I. D. F.	Gast.	....	12	22
			" " " " " "	Pal. N. Y.	5, pt. 2	52	12	22
			Cyclonema <i>Hall.</i>					
Scho.	$\frac{4888}{3}$	"	doris <i>Hall.</i>	N. Y. S. M.	15	43		
			" " " " " "	I. D. F.	Gast.	....	19	1
			" " " " " "	Pal. N. Y.	5, pt. 2	34	19	1

LOCALITY.	REMARKS.
18 Mile Creek, N. Y.	Nearly entire individual, imbedded. From the lake shore.
Western New York.	Two individuals, imbedded.
Rockville, N. Y.	Cast, somewhat crushed. As <i>Phragmostoma natator</i> .
Chenango Co., N. Y.	Fragment of peristome.
Near Dublin, Ohio.	As <i>Bellerophon patulus</i> Hall. A silicified individual, nearly entire.
Hamilton, N. Y.	" " (<i>Phragmostoma?</i>) <i>patulus</i> . Nearly entire individual. As <i>Bellerophon</i> (<i>Phragmostoma?</i>) <i>patulus</i> .
West Hamilton, N. Y.	Somewhat flattened individual. As <i>Bellerophon</i> (<i>Phragmostoma?</i>) <i>patulus</i> .
Lake Erie, N. Y.	Cast. Probably from near 18 Mile Creek. See also <i>Bellerophon Newberryi</i> . As <i>Bellerophon</i> (<i>Bucania</i>) <i>pelops</i> .
Near Dublin, Ohio.	Two nearly entire, silicified individuals.
Clarence Hollow, N. Y.	Internal cast.
Near Delphi, N. Y.	Internal cast.
Clarence Hollow, N. Y.	As <i>Bellerophon pelops?</i> Internal cast.
Near Portland, N. Y.	Imbedded. From shore of the lake six miles northeast of the harbor.
York, N. Y.	Internal cast, somewhat compressed.
	See <i>Bellerophon triliratus</i> .
Painted Post, N. Y.	As types of <i>Bellerophon</i> (<i>Phragmostoma?</i>) <i>tricarinata</i> Hall. Four casts. As <i>Loxonema bellatula</i> . " <i>Isonema</i> " " " " "
Near Louisville, Ky.	A large, silicified individual. As <i>Isonema bellatula</i> .
Near Dublin, Ohio.	Four silicified individuals. As <i>Pleurotomaria imitator</i> . " " (<i>Isonema</i>) <i>imitator</i> . " " " "
Falls of Ohio River.	Cast retaining part of shell. As <i>Platystoma lichas</i> . " <i>Isonema</i> "
Clarence Hollow, N. Y.	Two internal casts preserving some shell. As <i>Isonema lichas</i> .
Near Columbus, Ohio.	Internal cast. As <i>Pleurotomaria doris</i> . " " "
Schoharie, N. Y.	Internal cast retaining some shell.

Class GASTROPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	4884 1	Type.	Cyclonema Hall—Cont.					
			hamiltoniae Hall.	N. Y. S. M.	15	47		
	4884 2	"	" " " " " "	I. D. F.	Gast.	12		34
			" " " " " "	Pal. N. Y.	5, pt. 2	37		34
	4885 1	"	" " " " " "	I. D. F.	Gast.	12		36
			" " " " " "	Pal. N. Y.	5, pt. 2	37		36
	4885 1	"	liratum Hall.	N. Y. S. M.	15	47		
			" " " " " "	I. D. F.	Gast.	12		29
	4886 1	"	" " " " " "	Pal. N. Y.	5, pt. 2	35		29.
			multilira Hall.	N. Y. S. M.	15	48		
Orisk.	4886 1	"	" " " " " "	I. D. F.	Gast.	12		30-33
			" " " " " "	Pal. N. Y.	5, pt. 2	36		30-33
	4886 1	"	Cyrtolites Conrad.					
			?expansus Hall.	" "	3	479	114	4a, b
	4887 1	"	mitella					
			pileolus					
	4887 1	"	Cyrtotella Hall.					
			mitella Hall.	N. Y. S. M.	15	61		
	4887 2	"	" " " " " "	I. D. F.	Gast.	25		16, 17
			" " " " " "	Pal. N. Y.	5, pt. 2	123		23, 25
Ham.	4887 3	"	" " " " " "	I. D. F.	Gast.	25		18
			" " " " " "	Pal. N. Y.	5, pt. 2	123		24
	4887 3	"	" " " " " "	I. D. F.	Gast.	25		22-24
			" " " " " "	Pal. N. Y.	5, pt. 2	123		26-28
	4888 1	Type.	pileolus Hall.	N. Y. S. M.	15	61		
			" " " " " "	I. D. F.	Gast.	25		13-15
	4888 1	"	" " " " " "	Pal. N. Y.	5, pt. 2	125		20-22
			" " " " " "	" "	5, pt. 2	125		29
	4889 1	"	Ecculiomphalus Portlock.					
			comes					
U. H.	4889 1	"	Euomphalus Sowerby.					
			Conradi					
	4889 1	"	cyclostoma Hall.	Geol. Ia.	1, pt. 2	516	6	6a-c
			Decewi (Billings) . . Hall.	N. Y. S. M.	14	107		
	4889 1	"	" " " " " "	I. D. F.	Gast.	15		2-4, 8
			" " " " " "	Pal. N. Y.	5, pt. 2	55		2-4, 8
	4889 1	"	" " " " " "	I. D. F.	Gast.	15		5, 6
			" " " " " "	Pal. N. Y.	5, pt. 2	55		5, 6
	4889 1	"	eboracensis					
			hecale					
Mar.	4889 1	Type.	laxus					
			planodiscus Hall.	N. Y. S. M.	13	109		1
	4889 1	"	" " " " " "	I. D. F.	Gast.	16		1-4
			" " " " " "	Pal. N. Y.	5, pt. 2	57		1-4
	4889 1	"	rotundus					
			rudis					
	4889 1	"	(Phanerotinus)					
			eboracensis Hall.	N. Y. S. M.	15	55		
	4889 1	"	" " " " " "	I. D. F.	Gast.	16		19, 20
			" " " " " "	Pal. N. Y.	5, pt. 2	61		19, 20

LOCALITY.	REMARKS.
Pratt's Falls, N. Y.	Individual retaining much of shell. Onondaga county.
Summit, N. Y.	A somewhat compressed cast. Schoharie county.
Hamilton, N. Y.	Cast.
" "	Two casts.
Knox, N. Y.	Internal cast, imbedded. See <i>Cyrtonella mitella</i> , <i>Cyrtonella pileolus</i> and <i>Bellerophon acutilira</i> . " " <i>pileolus</i> .
.....	Defined as a subgenus of <i>Cyrtolites</i> .
.....	As <i>Cyrtolites</i> ? <i>mitella</i> .
.....	" " Generic reference not queried.
Cazenovia, N. Y.	Cast retaining some shell.
.....	As <i>Cyrtolites mitella</i> .
Hamilton, N. Y.	Cast retaining some shell.
.....	As types of <i>Cyrtolites pileolus</i> .
Pratt's Falls, N. Y.	Two internal casts, one retaining some shell. Onondaga county.
.....	As <i>Cyrtolites pileolus</i> .
.....	" " <i>mitella</i> .
Hamilton, N. Y.	Entire internal cast.
" "	Cast showing external features.
.....	See <i>Euomphalus latus</i> .
.....	" " <i>Decevi</i> .
Mouth of Pine Creek, Iowa.	Well preserved individual, nearly entire.
.....	As types of <i>Euomphalus Conradi</i> Hall.
Stafford, N. Y.	Two internal casts. The smaller one is in chert and retains some shell.
Batavia, N. Y.	Large internal cast.
.....	See <i>Euomphalus</i> (<i>Phanerotinus</i>) <i>eboracensis</i> .
.....	" " (<i>Straparollus</i>) <i>hecale</i> .
.....	" " (<i>Phanerotinus</i>) <i>latus</i> .
Manlius, N. Y.	Three imbedded individuals retaining more or less shell.
.....	See <i>Pleurotomaria lucina</i> .
.....	" <i>Euomphalus</i> (<i>Straparollus</i>) <i>rudis</i> .
.....	As <i>Euomphalus eboracensis</i> .
.....	" "
York, N. Y.	Imbedded.

Class GASTROPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Euomphalus Sowerby—Cont. (<i>Phanerotinus</i>)					
Ham.	4891 1	Type.	<i>laxus</i> Hall.	N. Y. S. M.	15	54	6	1
			" " " " " "	I. D. F.	Gast.	....	16	9
			" " " " " "	Pal. N. Y.	5, pt. 2	60	16	9
"	4891 2	"	" " " " " "	N. Y. S. M.	15	54	.....	.....
			" " " " " "	I. D. F.	Gast.	....	16	18
			" " " " " "	Pal. N. Y.	5, pt. 2	60	16	18
			(<i>Straparollus</i>)					
Chem.	4892 1	"	<i>hecale</i> Hall.	I. D. F.	Gast.	....	16	11
			" " " " " "	Pal. N. Y.	5, pt. 2	59	16	11
			(<i>Straparollus</i>)					
Ham.	4893 1	"	<i>rudis</i> Hall.	I. D. F.	Gast.	....	16	6
			" " " " " "	Pal. N. Y.	5, pt. 2	58	16	6
			Isonema M. & W.					
			<i>bellatula</i>					
U. H.	4894 1	Fig'd.	<i>humile</i> (<i>Meek</i>) H. & W.	N. Y. S. M.	23	240	12	3-5
			<i>lichas</i>					
			Loxonema Phillips.					
			<i>bellatula</i>					
Ham.	4894 1	Type.	<i>bellona</i> Hall.	I. D. F.	Gast.	....	14	3
			" " " " " "	Pal. N. Y.	5, pt. 2	46	14	3
"	4895 1	"	? <i>coaptum</i> Hall.	I. D. F.	Gast.	....	13	7
			" " " " " "	Pal. N. Y.	5, pt. 2	44	13	7
"	4896 1	"	<i>delphicola</i> Hall.	N. Y. S. M.	15	52	4	9
			" " " " " "	I. D. F.	Gast.	....	13	22, 23
			" " " " " "	Pal. N. Y.	5, pt. 2	47	13	22, 23
"	4896 2	"	" " " " " "	I. D. F.	Gast.	....	13	19
			" " " " " "	Pal. N. Y.	5, pt. 2	47	13	19
"	4896 3	"	" " " " " "	I. D. F.	Gast.	....	13	24
			" " " " " "	Pal. N. Y.	5, pt. 2	47	13	24
"	4897 1	"	<i>hamiltoniae</i> Hall.	N. Y. S. M.	15	53	.....	.....
			" " " " " "	I. D. F.	Gast.	....	13	15, 17
			" " " " " "	Pal. N. Y.	5, pt. 2	45	13	15, 17
U. H.	4039 1	"	<i>pexatum</i> Hall.	N. Y. S. M.	14	104	.....	.....
			" " " " " "	I. D. F.	Gast.	....	13	11, 12
			" " " " " "	Pal. N. Y.	5, pt. 2	42	13	11, 12
"	4039 2	"	" " " " " "	I. D. F.	Gast.	....	13	16, 18
			" " " " " "	Pal. N. Y.	5, pt. 2	42	13	16, 18
"		"	" <i>var. obsoletum</i> " "	I. D. F.	Gast.	....	13	13
			" " " " " "	Pal. N. Y.	5, pt. 2	43	13	13
"	4039 1	"	<i>robustum</i> Hall.	N. Y. S. M.	15	52	.....	.....
			" " " " " "	I. D. F.	Gast.	....	13	6
			" " " " " "	Pal. N. Y.	5, pt. 2	40	13	6
"	4040 1	"	? <i>teres</i> Hall.	I. D. F.	Gast.	....	13	10
			" " " " " "	Pal. N. Y.	5, pt. 2	42	13	10
			Macrocheilus Phillips.					
Ham.	4898 1	"	<i>hamiltoniae</i> Hall.	N. Y. S. M.	15	49	4	2
			" " " " " "	I. D. F.	Gast.	....	12	8, 9, 12-14
			" " " " " "	Pal. N. Y.	5, pt. 2	33	12	8, 9, 12-14
"	4898 2	"	" " " " " "	I. D. F.	Gast.	....	12	10, 11
			" " " " " "	Pal. N. Y.	5, pt. 2	33	12	10, 11
Mar.	4426 1	"	<i>hebe</i> Hall.	N. Y. S. M.	15	48	4	1
			" " " " " "	I. D. F.	Gast.	....	12	6, 7
			" " " " " "	Pal. N. Y.	5, pt. 2	32	12	6, 7

LOCALITY.	REMARKS.
..... Otsego Co., N. Y.	As <i>Euomphalus</i> (<i>Straparollus</i>) <i>laxus</i> in explanation of plate. As a type of <i>Ecculiomphalus comes</i> Hall. Cast, imbedded. Shows external features.
..... Alden, N. Y.	As <i>Euomphalus laxus</i> . " " (<i>Ecculiomphalus</i> ?) <i>laxus</i> . Imbedded. From a loose block.
..... Rockville, N. Y.	As <i>Euomphalus hecale</i> . Imbedded. Somewhat crushed.
..... York, N. Y.	As <i>Euomphalus rudis</i> . Imbedded.
..... Near Dublin, Ohio.	See <i>Callonema bellatulum</i> . As the type of <i>Naticopsis cretaceu</i> H. & W., in the text, and called <i>Naticopsis laevis</i> Meek, by error, in the explanation of the plate. Two somewhat exfoliated individuals.
.....	See <i>Callonema lichas</i> .
.....	" " <i>bellatulum</i> .
Bellona, N. Y.	Cast retaining a small fragment of shell.
..... 18 Mile Creek, N. Y.	Generic reference not queried in this reference. Internal cast, imbedded. From the shore of Lake Erie.
Delphi, N. Y.	Individual preserving shell.
Seneca Lake, N. Y.	Imbedded.
Near Penn Yan, N. Y.	Imbedded and partly enclosed in a coating of slickensided shale.
Near Delphi, N. Y.	Two individuals. From Pratt's Falls.
..... Stafford, N. Y.	Specific name queried here. The internal cast from which both figures were made. Another cast is marked as a type, but it was not figured.
Near Dublin, Ohio.	Two silicified specimens. Figure 16 is of the original type.
..... Near Dublin, Ohio.	Specific reference queried here. Part of a silicified individual.
Clarence Hollow, N. Y.	Internal cast, not entire.
" " "	A nearly entire internal cast.
Cazenovia, N. Y.	Two crushed individuals.
Near Cumberland, Md.	Internal cast.
.....	Aperture restored in the enlarged outline.
Manlius, N. Y.	The original type specimen. From the Goniatile limestone.

Class GASTROPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	4425 2	Type.	Macrocheilus Phillips- <i>Cont.</i>	I. D. F.	Gast.	...	12	4, 5
			hebe..... <i>Hall.</i>	Pal. N. Y.	5, pt. 2	33	12	4, 5
	4899 1	"	(Holopea)	N. Y. S. M.	15	49	4	3
			macrostoma..... <i>Hall.</i>	I. D. F.	Gast.	...	12	15-17
"	4899 2	"	"	Pal. N. Y.	5, pt. 2	33	12	15-17
			"	I. D. F.	Gast.	...	12	18
	4899 1	"	"	Pal. N. Y.	5, pt. 2	33	12	18
			"	"	"	"	"	"
U. H.	4238 1	"	Murchisonia d'A. & de V.	N. Y. S. M.	15	50	4	12
			desiderata..... <i>Hall.</i>	Pal. N. Y.	5, pt. 2	89	21	1-3
	4234 1	"	leda..... <i>Hall.</i>	N. Y. S. M.	14	103		
			"	"	15	...	4	10
"	4235 1	"	"	Pal. N. Y.	5, pt. 2	91	21	4
			maia..... <i>Hall.</i>	N. Y. S. M.	14	103		
	4235 1	"	"	"	15	...	4	11
			"	Pal. N. Y.	5, pt. 2	91	21	5-9
Ham.	4900 1	"	micula (<i>Hall</i>).... <i>Miller.</i>	Am. P. F.	.....	244		
			"	"	"	"	"	"
	4900 1	"	"	N. Y. S. M.	15	50	4	13
			"	Pal. N. Y.	5, pt. 2	93	21	11
Chem.	4901 1	Type.	turricula Hall (non Bill.)					
			"	"	"	"	"	"
	4901 1	Type.	Naticopsis McCoy.					
			cretacea..... <i>H. & W.</i>	N. Y. S. M.	23	238	12	9
"	4901 1	Type.	gigantea..... <i>H. & W.</i>	"	23	...	12	3-5
			lavis..... <i>H. & W.</i>	"	23	...	12	3-5
	4901 1	Type.	Orthonychia Hall.					
			sp..... <i>Hall.</i>	Geol. N. Y.	4th D.	173	ct.68	3
U. H.	4238 2	Gen. and Sp.Type.	Palæotrochus Hall.					
			Kearneyi..... <i>Hall.</i>	N. Y. S. M.	14	105		
	4238 2	Gen. and Sp.Type.	"	"	15	...	4	14
			"	Pal. N. Y.	5, pt. 2	133	30	14
"	4238 2	Gen. and Sp.Type.	Phragmostoma Hall.					
			natator..... <i>Hall.</i>					
	4238 2	Gen. and Sp.Type.	Platyceras Conrad.					
			ammon..... <i>Hall.</i>	N. Y. S. M.	15	37		
U. H.	4018 1	Type.	"	I. D. F.	Gast.	...	8	7
			"	Pal. N. Y.	5, pt. 2	20	8	7
	4018 2	"	"	I. D. F.	Gast.	...	8	8-10
			"	Pal. N. Y.	5, pt. 2	20	8	8-10
"	4021 1	"	argo..... <i>Hall.</i>	N. Y. S. M.	15	39		
			"	I. D. F.	Gast.	...	8	4-6
	4021 1	"	"	Pal. N. Y.	5, pt. 2	19	8	4-6
			"	N. Y. S. M.	15	30		
Ham.	4902 1	"	attenuatum..... <i>Hall.</i>	I. D. F.	Gast.	...	3	2, 3
			"	Pal. N. Y.	5, pt. 2	6	3	2, 3
	4903 1	"	bucculentum..... <i>Hall.</i>	N. Y. S. M.	15	33		
			"	I. D. F.	Gast.	...	3	7
"	4903 2	"	"	Pal. N. Y.	5, pt. 2	10	3	7
			"	I. D. F.	Gast.	...	3	26, 28
	4903 2	"	"	I. D. F.	Gast.	...	3	26, 28
			"	Pal. N. Y.	5, pt. 2	10	3	26, 28

LOCALITY.	REMARKS.
Hamilton, N. Y.	Very large individual.
Pratt's Falls, N. Y.	Two individuals, one denuded of shell. From the Goniatite limestone (?).
Madison Co., N. Y.	" Referred with doubt to this species." Cast, flattened laterally.
Falls of Ohio River.	A siliceous replacement of the shell.
Cambridge, Ohio.	Part of an internal cast retaining some shell, silicified.
Near Dublin, Ohio.	Two silicified fragments.
.....	Name proposed instead of <i>Murchisonia turricula</i> , which was preoccupied.
Pratt's Falls, N. Y.	As type of <i>Murchisonia turricula</i> . Imbedded individual retaining some shell. Pratt's Falls=Delphi Falls. Onondaga county. See <i>Murchisonia micula</i> .
.....	" <i>Isonema humile</i> and <i>Pleurotomaria</i> ? sp.
Near Rockford, Iowa.	Cast of large individual retaining some shell. Aperture is imperfect. See <i>Isonema humile</i> .
.....	Synonym of <i>Platyceras</i> .
.....	See <i>Platyceras subrectum</i> .
.....	Defined as a subgenus of <i>Trochus</i> .
.....	As <i>Pleurotomaria Kearneyi</i> .
.....	" "
Sandusky, Ohio.	Incomplete cast of the exterior.
.....	See <i>Bellerophon natator</i> .
Port Colborne, Ont.	A weathered internal cast retaining some shell.
Darien, N. Y.	A large individual partly denuded of shell.
Williamsville, N. Y.	A considerably exfoliated individual, imbedded.
Canandaigua L., N. Y.	As <i>Platyceras (Orthonychia) attenuatum</i> . Imbedded.
.....	Specific reference queried here.
Canandaigua L., N. Y.	Imbedded, apparently entire.
.....	Figure marked 25 on plate, by error.
Moscow, N. Y.	Nearly entire.

Class GASTROPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	4903 ₅	Type.	Platyceras Conrad— <i>Cont.</i>					
			bucculentum.....Hall.	I. D. F.	Gast.	....	3	27
U. H.	4012 ₁	Type.	"	Pal. N. Y.	5, pt. 2	10	3	27
			<i>callosum</i>	N. Y. S. M.	15	33		
	4012 ₂	"	carinatum.....Hall.	I. D. F.	Gast.	....	2	12, 13
			"	Pal. N. Y.	5, pt. 2	5	2	12, 13
	4012 ₃	"	"	I. D. F.	Gast.	....	2	14-16
			"	Pal. N. Y.	5, pt. 2	5	2	14-16
	4012 ₄	"	"	I. D. F.	Gast.	....	2	17-19
			"	Pal. N. Y.	5, pt. 2	5	2	17-19
	4012 ₅	"	"	I. D. F.	Gast.	....	2	28, 29
			"	Pal. N. Y.	5, pt. 2	5	2	28, 29
	2859 ₃	"	concavum.....Hall.	N. Y. S. M.	15	30		
			"	I. D. F.	Gast.	....	1	9, 10
	2859 ₄	"	"	Pal. N. Y.	5, pt. 2	3	1	9, 10
			"	I. D. F.	Gast.	....	1	11, 12
2859 ₅	"	"	Pal. N. Y.	5, pt. 2	3	1	11, 12	
		conicum.....Hall.	N. Y. S. M.	15	31			
Ham.	2860 ₃	"	"	I. D. F.	Gast.	....	1	13-17, 19
			"	Pal. N. Y.	5, pt. 2	3	1	13-17, 19
	2860 ₄	"	"	I. D. F.	Gast.	....	1	18
			"	Pal. N. Y.	5, pt. 2	3	1	18
	2860 ₅	"	"	I. D. F.	Gast.	....	2	30, 31
			"	Pal. N. Y.	5, pt. 2	3	2	30, 31
	4018 ₃	"	crassum.....Hall.	N. Y. S. M.	15	36		
			"	I. D. F.	Gast.	....	7	8-10
	4018 ₄	"	"	Pal. N. Y.	5, pt. 2	18	7	8-10
			cymbium.....Hall.	N. Y. S. M.	15	35		
	4018 ₅	"	"	I. D. F.	Gast.	....	4	9-11
			"	Pal. N. Y.	5, pt. 2	12	4	9-11
	2858 ₂	"	dentalium.....Hall.	N. Y. S. M.	15	29		
			"	I. D. F.	Gast.	....	1	4-6
4019 ₁	Gen. and Sp. Type.	"	Pal. N. Y.	5, pt. 2	2	1	4-6	
		dumosum.....Conrad.	Geol. N. Y.	1840	205			
"	4019 ₂	Fig'd.	Hall.	N. Y. S. M.	15	37		
			"	I. D. F.	Gast.	....	5	14, 15
	4019 ₃	"	" (Con.)....Hall.	Pal. N. Y.	5, pt. 2	14	5	14, 15
			"	N. Y. S. M.	12	19		
	4019 ₄	"	"	I. D. F.	Gast.	....	5	12
			"	Pal. N. Y.	5, pt. 2	14	5	12
	4019 ₅	"	"	I. D. F.	Gast.	....	5	11
			"	Pal. N. Y.	5, pt. 2	14	5	11
	4019 ₆	"	"	I. D. F.	Gast.	....	5	13
			"	Pal. N. Y.	5, pt. 2	14	5	13
	4019 ₇	"	"	"	"	"	5	16
			"	I. D. F.	Gast.	....	7	3
	4019 ₈	"	"	Pal. N. Y.	5, pt. 2	14	5	16
			"	"	"	"	7	3
4019 ₉	Type.	" var. rarispinum Hall.	N. Y. S. M.	15	38			
		"	I. D. F.	Gast.	....	5	5	
4019 ₁₀	"	"	Pal. N. Y.	5, pt. 2	16	5	5	
		"	I. D. F.	Gast.	....	5	6, 7	
4019 ₁₁	"	"	"	"	"	5	6, 7	
		"	Pal. N. Y.	5, pt. 2	16	5	6, 7	

LOCALITY.	REMARKS.
York, N. Y.	A weathered individual. See <i>Platyceras</i> ? (<i>Platystoma</i> ?) <i>cillosum</i> .
The Helderbergs, N. Y.	Individual retaining most of shell.
Nr. Williamsville, N. Y.	A very perfect, small individual.
Sandusky, O.	Internal cast.
The Helderbergs, N. Y.	Large internal cast with apex missing. As <i>Platyceras</i> (<i>Orthonychia</i>) <i>concavum</i> .
Williamsville, N. Y.	" " " " Internal cast with apex missing. As <i>Platyceras</i> (<i>Orthonychia</i>) <i>concavum</i> .
Onondaga Indian Reservation, N. Y.	" " " " Rather small individual with apex missing.
Onondaga, N. Y.	As <i>Platyceras</i> (<i>Orthonychia</i>) <i>conicum</i> . Four individuals, one of which has lost its apex.
Canandaigua L., N. Y.	As <i>Platyceras</i> (<i>Orthonychia</i>) <i>conicum</i> . Internal cast retaining part of shell.
Onondaga, N. Y.	Entire.
The Helderbergs, N. Y.	Internal cast retaining part of shell.
Clarence Hollow, N. Y.	Internal cast, partly restored in the figures. As <i>Platyceras</i> (<i>Orthonychia</i>) <i>dentalium</i> .
The Helderbergs, N. Y.	" " " " A somewhat compressed individual.
Schoharie, N. Y.	A large individual, imbedded. Figure was made from this specimen.
Schoharie?, N. Y.	Imbedded. Bears old label as coming from The Helderbergs.
Falls of Ohio River.	A small individual.
Columbus, Ohio.	Individual preserving many spines.
The Helderbergs, N. Y.	Internal cast.
Oneida Co., N. Y.	A small individual.
Darien, N. Y.	Individual partly denuded of shell.

Class GASTROPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
U. H.	40108	Type.	Platyceras Conrad— <i>Cont.</i> <i>dumosum</i> var. <i>rarispinum</i> Hall.	I. D. F. Pal. N. Y.	Gast. 5, pt. 2	 16	5	10 10
Ham.	4004	"	<i>echinatum</i> Hall.	N. Y. S. M. I. D. F. Pal. N. Y.	15 Gast. 5, pt. 2	38 13	5	1, 2 1, 2
U. H.	4010	"	<i>erectum</i> Hall.	Geol. N. Y. N. Y. S. M. I. D. F. Pal. N. Y.	4th D. 15 Gast. 5, pt. 2	174 32 5	ct 68 2 2	6 4 4
Ham.	4010	"	"	I. D. F. Pal. N. Y.	Gast. 5, pt. 2	 5	2	7, 8 7, 8
"	4010	"	"	I. D. F. Pal. N. Y.	Gast. 5, pt. 2	 5	2	11 11
U. H.	4013	"	<i>fornicatum</i> Hall.	N. Y. S. M. I. D. F. Pal. N. Y.	15 Gast. 5, pt. 2	35 11	4	1-3 1-3
"	4013	"	"	I. D. F. Pal. N. Y.	Gast. 5, pt. 2	 11	4	4, 5 4, 5
"	4013	"	"	I. D. F. Pal. N. Y.	Gast. 5, pt. 2	 11	4	7, 8 7, 8
"	"	"	"	I. D. F. Pal. N. Y.	Gast. 5, pt. 2	 11	4	18-20 18-20
"	4013	"	" var. <i>contractum</i> Hall.	I. D. F. Pal. N. Y.	Gast. 5, pt. 2	 12	5	8, 9 8, 9
			var.	N. Y. S. M. "	15 36	 36	.... ....	.... ....
Orisk.	2565	Type.	<i>Gebhardi</i> Hall.	Pal. N. Y.	3	474	117	1-3, 5-10
"	2562	"	<i>magnificum</i> Hall.	"	3	476	119	1, 2, 4-6
"	2561	Fig'd.	<i>nodosum</i> (Con.) Hall.	"	3	473	115	1, 3-6
U. H.	2561	"	"	I. D. F. Pal. N. Y.	Gast. 5, pt. 2	 17	7	4, 5 4, 5
Orisk.	2559	Type.	<i>patulum</i> Hall.	"	3	477	119	3
U. H.	4006	"	<i>perplexum</i> Hall.	I. D. F. Pal. N. Y.	Gast. 5, pt. 2	 4	2	1-3 1-3
Orisk.	2749	"	<i>reflexum</i> Hall.	"	3	477	120	1-7
U. H.	4009	"	<i>rictum</i> Hall.	N. Y. S. M. I. D. F. Pal. N. Y.	15 Gast. 5, pt. 2	35 13	4	6, 15-17 6, 15-17
"	4005	"	<i>subrectum</i> Hall.	N. Y. S. M. Geol. N. Y. N. Y. S. M. I. D. F. Pal. N. Y.	12 4th D. 15 Gast. 5, pt. 2	18 173 29 1	 ct. 68 1	 3 2 2
"	4005	"	"	I. D. F. Pal. N. Y.	Gast. 5, pt. 2	 1	1	1 1
Ham.	4005	"	<i>symmetricum</i> Hall.	N. Y. S. M. I. D. F. Pal. N. Y.	15 Gast. 5, pt. 2	34 9	3	17 17
"	4005	"	"	I. D. F. Pal. N. Y.	Gast. 5, pt. 2	 9	3	22-24 22-24
Orisk.	2562	"	<i>tortuosum</i> Hall.	"	3	472	113	1, 3-5
"	2565	Fig'd.	<i>ventricosum</i> (Con.) Hall.	"	3	475	118	3-9
"	2563	"	sp. Hall.	"	3	473	113	6

Class GASTROPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Orisk.	2751	Type.	? (<i>Platystoma</i> ?) callosum Hall.	Pal. N. Y.	3	478	120	8a, b
Ham.	4906	"	<i>Platystoma</i> Conrad. defiguratum Hall.	I. D. F.	Gast.	....	9	24
	1		"	Pal. N. Y.	5, pt. 2	24	10	24
U. H.	2856	Fig'd.	<i>lichas</i>	I. D. F.	Gast.	....	9	2-4, 9
	8		lineatum (Conrad) Hall.	Pal. N. Y.	5, pt. 2	21	10	2-4, 9
"	2856	"	" " "	I. D. F.	Gast.	....	9	5, 6
"	2856	"	" " "	Pal. N. Y.	5, pt. 2	21	10	5, 6
"	2856	"	" " "	I. D. F.	Gast.	....	9	19
"	2856	"	" " "	Pal. N. Y.	5, pt. 2	21	10	19
Ham.	4907	Type.	" var. sinuosum Hall.	I. D. F.	Gast.	....	11	4, 5
"	4907	"	" " " "	Pal. N. Y.	5, pt. 2	24	11	4, 5
"	4907	"	" " " "	I. D. F.	Gast.	....	11	6-8
"	4907	"	" " " "	Pal. N. Y.	5, pt. 2	24	11	6-8
U. H.	4024	"	pleurotoma Hall.	I. D. F.	Gast.	....	10	31-35
"	4024	"	" " " "	Pal. N. Y.	5, pt. 2	30	9	31-35
"	4024	"	strophius Hall.	N. Y. S. M.	15	41		
"	2852	"	" " " "	Pal. N. Y.	5, pt. 2	25		
"	2852	"	turbinatum Hall.	N. Y. S. M.	14	106		
"	2852	"	" " " "	I. D. F.	Gast.	....	10	14-21
"	2852	"	" " " "	Pal. N. Y.	5, pt. 2	27	9	14-21
"	2852	"	" " " "	I. D. F.	Gast.	....	10	22
"	2852	"	" " " "	Pal. N. Y.	5, pt. 2	27	9	22
"	2852a	"	" var. cochleatum Hall.	I. D. F.	Gast.	....	10	1, 2, 5-7
"	2852a	"	" " " "	Pal. N. Y.	5, pt. 2	28	9	1, 2, 5-7
"	2852a	Fig'd.	" var. Hall.	I. D. F.	Gast.	....	10	27
"	4022	Type.	unisulcatum Conrad.	Pal. N. Y.	5, pt. 2	29	9	27
"	4022	"	" " " "	J. A. N. S.	8	271	16	9
"	4022	"	" " " "	I. D. F.	Gast.	....	10	25, 26
"	4022	"	" " " "	Pal. N. Y.	5, pt. 2	26	9	25, 26
Ham.	4908	Fig'd.	" var. Hall.	I. D. F.	Gast.	....	11	1-3
"	4908	"	" " " "	Pal. N. Y.	5, pt. 2	27	11	1-3
Orisk.	2854	"	ventricosum (Con.) Hall.	" " "	3	469	112	1-6, 8, 10
"	2854	"	" " " "	" " "	3	469	112	7, 9
"	2854	"	" " " "	" " "	3	469	113	7, 8
U. H.	4232	Type.	<i>Pleurotomaria</i> Defrance. adjutor Hall.	" " "	5, pt. 2	80	21	16
	1		" " " "	I. D. F.	Gast.	....	20	25
Scho.	2857	"	arata Hall.	N. Y. S. M.	15	42		
"	2857	"	" " " "	I. D. F.	Gast.	....	17	1-3
"	2857	"	" " " "	Pal. N. Y.	5, pt. 2	64	17	1-3
"	2857	"	" " " "	I. D. F.	Gast.	....	17	4-6, 8
"	2857	"	" " " "	Pal. N. Y.	5, pt. 2	64	17	4-6, 8
U. H.	4022a	"	" var. clausa	" " "	5, pt. 2	65	17	9, 10
"	4022a	"	" " " "	I. D. F.	Gast.	....	17	9, 10
Ham.	4932	Fig'd.	capillaria (Conrad) ? Hall.	N. Y. S. M.	15	45	5	2
"	4932	"	" " " "	I. D. F.	Gast.	....	20	18, 19
"	4932	"	" " " "	Pal. N. Y.	5, pt. 2	77	20	18, 19
U. H.	4032	"	" " ? "	I. D. F.	Gast.	....	12	25
"	4032	"	" " ? "	Pal. N. Y.	5, pt. 2	77	12	25
"	4909	Type.	delicatula Hall.	I. D. F.	Gast.	....	19	18, 19
"	4909	"	" " " "	Pal. N. Y.	5, pt. 2	70	19	18, 19
Ham.	4910	"	disjuncta Hall.	I. D. F.	Gast.	....	20	32
"	4910	"	" " " "	Pal. N. Y.	5, pt. 2	84	21	18
"	4910	"	doris	" " "				

LOCALITY.	REMARKS.
Cumberland, Md.	Silicified individual.
Canandaigua L., N. Y.	Individual with outer volution crushed. See <i>Callonema lichas</i> .
Williamsville, N. Y.	Two individuals.
Stafford, N. Y.	Entire.
Darien, N. Y.	An unusually large individual.
Livingston Co., N. Y.	A small individual.
Canandaigua L., N. Y.	A large individual.
Onondaga, N. Y.	Two individuals.
Port Colborne, Ont.	Two siliceous casts.
Schoharie, N. Y.	Four individuals showing degrees in the elevation of the spire.
Onondaga, N. Y.	An individual from the Indians' quarries.
" "	Three specimens from the Indians' quarries.
" "	A small individual.
Schoharie, N. Y.	An individual somewhat imperfect about the aperture.
West Bloomfield, N. Y.	Nearly entire.
Schoharie, N. Y.	Seven internal casts, two of which (figs. 1, 5) retain some shell.
" "	A very flat individual.
" "	Internal cast.
Near Dublin, Ohio.	As <i>Pleurotomaria trilix</i> . Considerably exfoliated, siliceous.
Schoharie, N. Y.	Individual, somewhat compressed vertically.
" "	Three casts.
Clarence Hollow, N. Y.	As <i>Pleurotomaria</i> sp.? Internal cast.
Madison Co., N. Y.	A compressed individual.
Williamsville, N. Y.	Part of an internal cast, imbedded.
Western New York.	Preserves shell in part.
Catherine, N. Y.	Cast, much compressed. From a boulder. See <i>Cyclonema doris</i> .

Class GASTROPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
U. H.	$\frac{4020}{1}$	Type.	Pleurotomaria Deufr.— <i>Cont.</i>					
			hebe... .. Hall.	N. Y. S. M.	14	105		
			" " " "	" " "	15	....	5	8
			" " " "	I. D. F.	Gast.	....	19	2-7
Ham.	$\frac{4011}{1}$	Type.	<i>imitator</i>	Pal. N. Y.	5, pt. 2	68	19	2-7
			itys..... Hall.	I. D. F.	Gast.	....	20	9, 10
			" " " "	Pal. N. Y.	5, pt. 2	76	20	9, 10
			<i>Kearneyi</i>					
U. H.	$\frac{4020}{1}$	"	lucina..... Hall.	N. Y. S. M.	15	42	5	12
			" " " "	I. D. F.	Gast.	....	18	8, 9
			" " " "	Pal. N. Y.	5, pt. 2	67	18	8, 9
			" " " "	I. D. F.	Gast.	....	18	5, 6
"	$\frac{4020}{5}$	"	" " " "	Pal. N. Y.	5, pt. 2	67	18	5, 6
			" " " "	I. D. F.	Gast.	....	18	7
			" " " "	Pal. N. Y.	5, pt. 2	67	18	7
			" " " "	I. D. F.	Gast.	....	18	10, 11
Ham.	$\frac{4020}{7}$	"	" " " "	Pal. N. Y.	5, pt. 2	67	18	10, 11
			" " " "	I. D. F.	Gast.	....	18	1, 2
			" " " "	Pal. N. Y.	5, pt. 2	67	18	1, 2
			" " " "	Geol. N. Y.	4th D.	173	ct. 68	4
"	$\frac{4020}{1}$	"	" " " "	N. Y. S. M.	15	42	....	....
			" " " "	I. D. F.	Gast.	....	18	3, 4
			" " " "	Pal. N. Y.	5, pt. 2	67	18	3, 4
			" " " "	I. D. F.	Gast.	....	20	30, 31
U. H.	$\frac{4012}{1}$	"	<i>var. perfasciata</i> Hall.	Pal. N. Y.	5, pt. 2	83	21	19, 20
			plena..... Hall.	I. D. F.	Gast.	....	17	11-13
			" " " "	Pal. N. Y.	5, pt. 2	66	17	11-13
			rotalia..... Hall.	N. Y. S. M.	15	46	5	11
Ham.	$\frac{4013}{1}$	"	" " " "	I. D. F.	Gast.	....	19	20-23
			" " " "	Pal. N. Y.	5, pt. 2	71	19	20-23
			<i>rotunda</i>					
Mar.	$\frac{4405}{3}$	Type.	rugulata..... Hall.	N. Y. S. M.	13	108		
			" " " "	" " "	15	....	5	4
			" " " "	I. D. F.	Gast.	....	20	1-7
			" " " "	Pal. N. Y.	5, pt. 2	75	20	1-7
Ham.	$\frac{4014}{1}$	Fig'd.	sulcomarginata (Con.) H.	N. Y. S. M.	15	46	5	10
			" " " "	I. D. F.	Gast.	....	19	9-11
			" " " "	Pal. N. Y.	5, pt. 2	69	19	9-11
			" " " "	I. D. F.	Gast.	....	19	8
"	$\frac{4014}{2}$	"	" " " "	Pal. N. Y.	5, pt. 2	69	19	8
			" " " "	I. D. F.	Gast.	....	19	12, 16, 17
			" " " "	Pal. N. Y.	5, pt. 2	69	19	12, 16, 17
			" " " "	I. D. F.	Gast.	....	19	15
"	$\frac{4014}{3}$	"	" " " "	Pal. N. Y.	5, pt. 2	69	19	15
			" " " "	N. Y. S. M.	15	45	5	1
			" " " "	I. D. F.	Gast.	....	20	23
			" " " "	Pal. N. Y.	5, pt. 2	79	21	15
"	$\frac{4015}{2}$	Type.	trilix..... Hall.	I. D. F.	Gast.	....	20	22
			" " " "	Pal. N. Y.	5, pt. 2	79	21	14
			" " " "	" " "				
			" " " "	" " "				
U. H.	$\frac{4026}{1}$	Fig'd.	? sp..... Hall.	" " "	5, pt. 2	....	11	10, 11
			" " " "	I. D. F.	Gast.	....	11	10, 11
			? sp..... Hall.	Pal. N. Y.	5, pt. 2	....	11	12, 13
			" " " "	I. D. F.	Gast.	....	11	12, 13
"	$\frac{4225}{1}$	"	sp.....	" " "	Gast.	....	17	9, 10

LOCALITY.	REMARKS.
Clarence Hollow, N.Y.	Three casts, two of which retain part of the shell as calcite. See <i>Callonema imitator</i> .
Cumberland, Md.	Internal cast. See <i>Palæotrochus Kearneyi</i> .
Clarence Hollow, N.Y.	Cast showing external features.
Near Columbus, Ohio.	Internal cast.
Near Batavia, N. Y.	Internal cast of very large individual, "probably of this species."
Skaneateles L., N. Y.	Compressed specimen showing external features. As <i>Pleurotomaria rotunda</i> Hall.
Falls of Ohio River.	Internal cast. As type of <i>Euomphalus? rotundus</i> .
.....	As one of the types of <i>Pleurotomaria lucina</i> .
.....	As <i>Pleurotomaria rotunda</i> .
Clarence Hollow, N.Y.	Cast retaining some of shell substance, imbedded.
Skaneateles L., N. Y.	Cast showing external and internal features.
The Helderbergs, N.Y.	Cast showing external features.
Near Pratt's Falls, N.Y.	Three individuals retaining some shell. See <i>Pleurotomaria lucina</i> .
Manlius, N. Y.	Two internal casts and two individuals.
Delphi, N. Y.	A well preserved individual.
Falls of Ohio River.	Nearly entire.
Delphi, N. Y.	Three specimens, more or less denuded of shell.
Cumberland, Md.	Internal cast.
Seneca Lake, N. Y.	Imbedded.
Outlet Keuka L., N.Y.	Imbedded. See also <i>Pleurotomaria adjutor</i> .
Clarence Hollow, N.Y.	As <i>Naticopsis? cretacea</i> H. & W. An imperfect internal cast.
Near Dublin, Ohio.	" " " " Internal cast. See <i>Pleurotomaria arata</i> var. <i>clausa</i> .

Class GASTROPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Chem.	49116 1	Type.	Porcellia Leveille.					
			nais.....Hall.	N. Y. S. M.	15	68		
			"	" " "	15	....	6	5, 6
			"	I. D. F.	Gast.	....	16	27, 28
			"	Pal. N. Y.	5, pt. 2	127	16 26	27, 28 26, 27
Orisk.	2754 1	Type.	Strophostylus Hall.					
			Andrewsi.....Hall.	Pal. N. Y.	3	472	118	2
			expansus.....Hall.	" " "	3	470	114	3a, b
			Matheri.....Hall.	" " "	3	471	118	1a, b
			transversus.....Hall.	" " "	3	470	114	1a-c
Scho.	2754 1	"	unicus.....Hall.	N. Y. S. M.	15	41		
			"	I. D. F.	Gast.	....	11	14, 15
			"	Pal. N. Y.	5, pt. 2	30	11	14, 15
U. H.	4025 1	"	varians.....Hall.	I. D. F.	Gast.	....	11	16-28
			"	Pal. N. Y.	5, pt. 2	31	11	16-28

Class PTEROPODA.

Port.	49117 1	Type.	Coleolus Hall.					
			aciculus.....Hall.	Geol. N. Y.	4th D.	244	ct. 106	4
Ham.	49118 1	"	Conularia Miller.					
			crebristriata.....Hall.	I. D. F.	Pter.	....	29	8, 9
Orisk.	2697 1	"	"	Pal. N. Y.	5, pt. 2	210	33	8, 9
			desiderata.....Hall.	" " "	3	....	72A	4
Ham.	49119 1	Fig'd.	undulata (Conrad) Hall.	" " "	3	480		
			"	I. D. F.	Pter.	....	29	3, 4
			"	Pal. N. Y.	5, pt. 2	208	33	3, 4
"	"	"	"	I. D. F.	Pter.	....	29	5
			"	Pal. N. Y.	5, pt. 2	208	33	5
			sp.....	" " "	3	480		
Gen.	4920 1	Type.	Styliola Lesueur.					
			fissurella.....Hall.	Pal. N. Y.	5, pt. 2	178	31A	13, 23, 24, 30
Orisk.	2699 1	"	Tentaculites Schlotheim.					
			arenosus.....Hall.	I. D. F.	Pter.	....	26	1, 2
U. H.	49210 1	"	"	Pal. N. Y.	5, pt. 2	166	31	1, 2
			bellulus.....Hall.	I. D. F.	Pter.	....	26	15, 16
Gen.	49211 1	Type.	"	Pal. N. Y.	5, pt. 2	169	31	15, 16
			fissurella.....	" " "				
			gracilistriatus.....Hall.	Pal. N. Y.	5, pt. 2	173	31	14
"	"	"	"	I. D. F.	Pter.	....	26	14
			"	Pal. N. Y.	5, pt. 2	173	31A	47
			"	"				
U. H.	4004 1	"	scalariformis.....Hall.	"	5, pt. 2	167	31	11
			"	I. D. F.	Pter.	....	26	11
Chem.	4922 1	Type.	sicula					
			spicula.....Hall.	I. D. F.	Pter.	....	26	21-23
			"	Pal. N. Y.	5, pt. 2	172	31	21-23
			"	I. D. F.	Pter.	....	26	24, 25
"	4922 2	"	"	Pal. N. Y.	5, pt. 2	172	31	24, 25

LOCALITY.	REMARKS.
.....	As <i>Gyroceras nais</i> .
Chemung Narrows, N. Y.	Cast, somewhat crushed.
.....	See <i>Goniatites plebeiformis</i> .
Cumberland, Md.	A silicified individual.
Schoharie, N. Y.	Internal cast.
Cumberland, Md.	A silicified individual, somewhat broken.
"	A silicified individual.
Schoharie, N. Y.	Nearly entire.
Onondaga, N. Y.	Seven individuals.
Cashaqua Creek, N. Y.	As <i>Orthoceras aciculum</i> . Pyritized, imbedded.
Genesee Valley, N. Y.	Imprint retaining small fragments of shell.
Knox, N. Y.	As <i>Conularia</i> sp. A small fragment, imbedded.
Cazenovia, N. Y.	Cast, somewhat compressed.
" "	Exterior imprint of two segments.
.....	See <i>Conularia desiderata</i> .
Near Alden, N. Y.	Four individuals imbedded in a slab with many others and with <i>Tentaculites gracilistriatus</i> , fig. 47, same plate.
Near Clarksville, N. Y.	Imbedded individual, shell wanting from exposed side.
Near Dublin, Ohio.	A silicified individual, imbedded.
.....	See <i>Tentaculites gracilistriatus</i> .
Near Alden, N. Y.	As " <i>fissurella</i> . Part of an individual.
" "	The specimen referred to this figure by Prof. Hall. Imbedded with <i>Styliola fissurella</i> , figs. 13, 23, 24, 30, same plate.
Delaware, Ohio.	As <i>Tentaculites sicula</i> Hall. Large individual, imbedded with many others.
.....	See <i>Tentaculites scalariformis</i> .
South of Ithaca, N. Y.	A block bearing many imprints.
Cortland, N. Y.	A block bearing many imprints.

Class CEPHALOPODA.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
			Aploceras d'Orbigny. (Cyrtoceras) <i>liratum</i>					
			Clymenia Münster. <i>complanata</i> <i>erato</i>					
			Cyrtoceras Goldfuss. <i>clavatum</i> <i>Conradi</i>					
Scho.	2880 1	Type.	<i>eugenium</i>.....Hall.	I. D. F.	Ceph.	....	36	5
			"	Pal. N. Y.	5, pt. 2	369	36	5
			"	N. Y. S. M.	15	74	7	6
Chem.	4023 1	"	<i>hector</i>	Pal. N. Y.	5, pt. 2	364	90	12-14
Mar.	4415 1	"	<i>liratum</i>.....Hall.	N. Y. S. M.	15	72	....	....
			"	Pal. N. Y.	5, pt. 2	364	95	1
			Gomphoceras Sowerby. <i>abruptum</i>.....Hall.	"	"	5, pt. 2	339	94
Ham.	4024 1	"						1
Scho.	2877 1	"	<i>clavatum</i>.....Hall.	I. D. F.	Ceph.	....	47	12, 13
			"	Pal. N. Y.	5, pt. 2	323	46	14, 15
Mar.	4412 1	"	<i>Conradi</i>.....Hall.	N. Y. S. M.	13	106	....	....
			"	"	15	....	5	8
			"	I. D. F.	Ceph.	....	47	1, 2, 11
			"	Pal. N. Y.	5, pt. 2	348	46	1-3
U. H.	4054 3	"	<i>eximium</i>.....Hall.	N. Y. S. M.	14	109	....	....
			"	I. D. F.	Ceph.	....	44	1
			"	Pal. N. Y.	5, pt. 2	329	44	1
"	4054 1	"	"	I. D. F.	Ceph.	....	44	2
			"	Pal. N. Y.	5, pt. 2	329	44	2
Mar.	4413 1	"	<i>Fischeri</i>.....Hall.	N. Y. S. M.	13	106	....	....
			"	I. D. F.	Ceph.	....	45	5, 6
			"	Pal. N. Y.	5, pt. 2	336	45	5, 6
"	4414 1	"	<i>oviforme</i>.....Hall.	N. Y. S. M.	13	105	....	....
			"	I. D. F.	Ceph.	....	45	1, 4
			"	Pal. N. Y.	5, pt. 2	344	45	1, 4
Ham.	4025 1	"	<i>pingue</i>.....Hall.	"	"	5, pt. 2	346	94
"	4026 1	"	<i>raphanus</i>.....Hall.	"	"	5, pt. 2	347	94
			Goniatites de Haan. <i>bicostatus</i>.....Hall.	Geol. N. Y.	4th D.	246	ct. 107	8
Port.	4027 1	"	"	I. D. F.	Ceph.	....	72	9
			"	Pal. N. Y.	5, pt. 2	450	72	9
"	4027 2	"	"	N. Y. S. M.	13	103	....	19, 20
			"	I. D. F.	Ceph.	....	72	8
			"	"	"	"	74	1
			"	Pal. N. Y.	5, pt. 2	450	72	8
			"	"	"	"	74	1
"	4027 3	"	"	I. D. F.	Ceph.	....	72	10
			"	Pal. N. Y.	5, pt. 2	450	72	10

LOCALITY.	REMARKS.
.....	See <i>Cyrtoceras liratum</i> .
.....	" <i>Goniatites complanatus</i> .
.....	" " "
.....	" <i>Gomphoceras clavatum</i> .
.....	" " <i>Conradi</i> .
Schoharie, N. Y.	As type of <i>Orthoceras foliatum</i> . Longitudinal section of imbedded shell.
8 miles South of Darien, N. Y.	Fragmentary internal cast. Generic reference queried in the explanation of the plate.
.....	As <i>Aploceras</i> (<i>Cyrtoceras</i>) <i>liratum</i> .
Marcellus, N. Y.	Fragmentary internal cast.
Cazenovia, N. Y.	Flattened cast bearing the type of <i>Hernodia humifusa</i> Hall, Pal. N. Y., vol. 6, pl. 65, figs. 20, 21.
.....	As <i>Cyrtoceras clavatum</i> .
Albany Co., N. Y.	Internal cast.
.....	As <i>Gomphoceras</i> (<i>Apioceras</i>) <i>Conradi</i> .
.....	" " "
.....	" <i>Cyrtoceras Conradi</i> .
Manlius, N. Y.	Casts of small individual retaining some shell and of the outer chamber of a larger specimen.
Columbus, Ohio.	Internal cast.
Black Rock, N. Y.	Internal cast, compressed.
.....	As <i>Gomphoceras</i> (<i>Apioceras</i>) <i>Fischeri</i> .
Manlius, N. Y.	Part of an internal cast retaining some shell and part of an individual retaining shell.
.....	As <i>Gomphoceras</i> (<i>Apioceras</i>) <i>oviforme</i> .
Schoharie, N. Y.	Cast of an outer chamber and another specimen which retains most of the shell.
Cazenovia, N. Y.	Internal cast, bearing casts of Bryozoa.
" "	Compressed fragment of a cast.
Chautauqua Co., N. Y.	Cast showing external features.
Genesee River, N. Y.	Internal cast in iron pyrites.
Lake Erie, N. Y.	Internal cast in iron pyrites.

Class CEPHALOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Port.	4928 1	Type.	Goniatites de Haan—Cont.	Geol. N. Y.	4th D.	244	ct. 106	5
			complanatus Hall.	N. Y. S. M.	15	63	.....	.....
			"	"	27	132	.....	.....
			"	I. D. F.	Ceph.	70	.....	11
			"	Pal. N. Y.	5, pt. 2	455	70	11
Gen.	4928 2	"	"	I. D. F.	Ceph.	70	.....	8
Port.	4928 3	"	"	Pal. N. Y.	5, pt. 2	455	70	8
Gen.	4928 4	Fig'd.	"	I. D. F.	Ceph.	70	.....	10
			"	Pal. N. Y.	5, pt. 2	455	70	10
"	4928 5	"	"	N. Y. S. M.	15	64	10	1
			"	I. D. F.	Ceph.	70	.....	7
			"	Pal. N. Y.	5, pt. 2	455	70	7
Chem.	4928 6	"	"	I. D. F.	Ceph.	70	.....	6
			"	Pal. N. Y.	5, pt. 2	455	70	6
Mar.	4420 8	Type.	discoideus Hall.	N. Y. S. M.	13	97	.....	.....
			"	I. D. F.	Ceph.	71	.....	2, 3
Ham.	4420 6	"	"	Pal. N. Y.	5, pt. 2	441	71	2, 3
			"	I. D. F.	Ceph.	71	.....	7, 13
"	4420 7	"	"	Pal. N. Y.	5, pt. 2	441	71	7, 13
			"	I. D. F.	Ceph.	71	.....	10
Port.	4420 8	"	"	Pal. N. Y.	5, pt. 2	441	71	10
			"	I. D. F.	Ceph.	71	.....	11
Ham.	4420 9	"	"	Pal. N. Y.	5, pt. 2	441	71	11
			"	I. D. F.	Ceph.	71	.....	12
U. H.	4242 1	Type.	<i>expansus</i> Vanux. (non von Buch.)	Pal. N. Y.	5, pt. 2	441	71	12
			mithrax Hall.	N. Y. S. M.	13	98	.....	7
Port.	4929 1	"	"	I. D. F.	Ceph.	69	.....	7
			"	Pal. N. Y.	5, pt. 2	433	69	7
"	4929 2	"	Patersoni Hall.	N. Y. S. M.	13	99	.....	14
			"	I. D. F.	Ceph.	72	.....	9, 10
"	4929 3	"	"	Pal. N. Y.	5, pt. 2	464	72	3
			"	I. D. F.	Ceph.	74	.....	3
Chem.	4929 4	"	"	Pal. N. Y.	5, pt. 2	464	72	15
			"	I. D. F.	Ceph.	72	.....	1, 2
Mar.	4418 1	"	"	Pal. N. Y.	5, pt. 2	464	72	1, 2
			"	I. D. F.	Ceph.	72	.....	4
Port.	4930 1	"	plebeiformis Hall.	Pal. N. Y.	5, pt. 2	464	72	4
			"	I. D. F.	Ceph.	16	.....	25, 26
Ham.	4931 1	"	sinuosus Hall.	Geol. N. Y.	4th D.	244	ct. 106	25, 26
			"	I. D. F.	Ceph.	72	.....	6
"	4931 2	"	uniangularis Conrad.	Pal. N. Y.	5, pt. 2	460	72	11
			"	I. D. F.	Ceph.	16	.....	11
"	4931 3	"	"	J. A. N. S.	8	268	16	4
			"	N. Y. S. M.	13	98	.....	6 (bis)
"	4931 4	"	"	I. D. F.	Ceph.	71	.....	14
			"	Pal. N. Y.	5, pt. 2	444	71	14
"	4931 5	"	"	"	"	74	.....	2
			"	"	"	74	.....	2

LOCALITY.	REMARKS.
.....	As <i>Clymenia?</i> <i>complanata</i> .
.....	Referred to genus <i>Goniatis</i> .
.....	As <i>Goniatis</i> (<i>Clymenia?</i>) <i>complanatus</i> .
Livingston Co., N. Y.	A crushed, pyritized individual, imbedded. From Shakers' Mill on Cashaqua creek.
.....	As <i>Goniatis</i> (<i>Clymenia?</i>) <i>complanatus</i> .
Near Geneseo, N. Y.	Compressed internal cast, imbedded.
18 Mile Creek, N. Y.	As <i>Goniatis</i> (<i>Clymenia?</i>) <i>complanatus</i> .
.....	Mould of exterior. From the shore of the lake.
.....	As type of <i>Clymenia erato</i> .
Moscow, N. Y.	Compressed cast, imbedded.
.....	As type of <i>Clymenia erato</i> .
Fall Brook, Geneseo, N. Y.	Compressed cast, imbedded.
.....	As <i>Goniatis</i> (<i>Clymenia?</i>) <i>complanatus</i> .
Western New York.	Imbedded individual, "doubtfully referred to this species." Probably from the Portage group. Shakers' Mill.
Schoharie, N. Y.	Two compressed specimens retaining some shell.
Cazenovia, N. Y.	A somewhat compressed individual and a compressed internal cast.
Nr. Cayuga Lake, N. Y.	Flattened individual, imbedded.
Near Portland Harbor, N. Y.	Compressed cast, imbedded.
Western New York.	A flattened individual.
.....	See <i>Goniatis Vanuxemi</i> .
.....	Figure is one-half natural size.
Near Columbus, Ohio.	Internal cast.
Paterson's Creek, N. Y.	Internal cast in iron pyrites, much damaged by oxidation. Livingston county.
Near Gibsonville, N. Y.	Internal cast in iron pyrites. Ruined by oxidation, but a sulphur cast of the specimen in its original condition is present.
Pine Valley, N. Y.	Part of a large individual. Locality is in Catherine township.
Cherry Valley, N. Y.	As <i>Porcellia?</i> <i>rotatoria</i> Hall. Internal cast of outer chamber.
Livingston Co., N. Y.	Cast (of outer chamber?). From Cashaqua creek.
Moscow, N. Y.	Cast. Conrad's type, but the specimen is larger than his figure.

Class CEPHALOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Mar.	4416 1	Type.	Goniatites de Haan—Cont.					
			Vanuxemi.....Hall.	Pal. N. Y.	5, pt. 2	434	109	8
			"....."	I. D. F.	Ceph.	....	64A	3
			"....."	"....."	Ceph.	....	64A	4
			"....."	Pal. N. Y.	5, pt. 2	434	109	7
			"....."	I. D. F.	Ceph.	....	66	1, 2
			"....."	Pal. N. Y.	5, pt. 2	434	66	1, 2
			"....."	I. D. F.	Ceph.	....	67	1
			"....."	Pal. N. Y.	5, pt. 2	434	67	1
U. H.	4247 2		Gyroceras de Koninck.					
			cyclops.....Hall.	N. Y. S. M.	15	68		
Ham.	4032 1		"....."	I. D. F.	Ceph.	....	53	2, 3
			eryx....."	Pal. N. Y.	5, pt. 2	387	103	1, 2
			"....."	N. Y. S. M.	15	67		
			"....."	I. D. F.	Ceph.	....	48	1
			"....."	Pal. N. Y.	5, pt. 2	386	58	1
			"....."	"....."	5, pt. 2	386	103	3
U. H.	4061 2	Fig'd.	Matheri (Conrad)...Hall.	N. Y. S. M.	15	66		
			"....."	I. D. F.	Ceph.	....	55	5, 6
			"....."	Pal. N. Y.	5, pt. 2	377	55	1, 2
			nais....."					
U. H.	4056 1	Type.	nereus.....Hall.	N. Y. S. M.	15	67	9	5
			"....."	I. D. F.	Ceph.	....	49	1-3
Ham.	4222 1	Fig'd.	"....."	Pal. N. Y.	5, pt. 2	373	51	4-6
			sp. indet.....Hall.	"....."	5, pt. 2	....	103	4
	4224 1	Type.	Nautilus Breynius.					
			bucinum.....Hall.	"....."	5, pt. 2	412	107	2, 3
			"....."	"....."	5, pt. 2	412	107	4, 5
			cavus.....Hall.	"....."	5, pt. 2	416	106	1-3
			cornulum.....Hall.	I. D. F.	Ceph.	....	60	5, 6
Mar.	4419 1	Fig'd.	(Discites)					
			marcellensis (Vanux.) H.	N. Y. S. M.	13	103	....	....
			"....."	I. D. F.	Ceph.	....	65	2
			"....."	Pal. N. Y.	5, pt. 2	428	65	2
			Orthoceras Breynius.					
Ham.	4027 1	Type.	aciculum.....Hall.	N. Y. S. M.	15	80		
			aegea.....Hall.	Pal. N. Y.	5, pt. 2	295	82	12, 13
Port.	4028 1		atreus.....Hall.	"....."	5, pt. 2	305	89	10, 11
			baculum....."	"....."	5, pt. 2	....	....	....
Chem.	4029 1	Type.	bebryx....."	I. D. F.	Ceph.	....	39	1
			bebryx var. cayuga Hall.	Pal. N. Y.	5, pt. 2	276	39	1
Ham.	4040 1		"....."	I. D. F.	Ceph.	....	39	1
			cælamen.....Hall.	Pal. N. Y.	5, pt. 2	298	42	10
			"....."	"....."	5, pt. 2	....	82	16
			"....."	I. D. F.	Ceph.	....	42	10
			"....."	"....."	Ceph.	....	43	15
			"....."	Pal. N. Y.	5, pt. 2	208	43	15
	4241 1	Fig'd.	constrictum (Vanux.) H.	"....."	5, pt. 2	288	84	13, 14
			"....."	"....."	5, pt. 2	288	85	5

LOCALITY.	REMARKS.
Manlius, N. Y.	As <i>Goniatites expansus</i> Vanuxem. Internal cast of outer chamber retaining some pyritized shell.
Manlius, N. Y.	As <i>Goniatites expansus</i> Vanuxem. Fragmentary cast retaining some shell.
Manlius, N. Y.	As <i>Goniatites expansus</i> Vanuxem. Individual retaining shell on outer chamber. Both figures are from the same specimen.
Manlius, N. Y.	As <i>Goniatites expansus</i> Vanuxem. Cast of a large individual retaining shell over part of outer chamber.
Columbus, Ohio.	Small fragment of large individual.
Near Milwaukee, Wis.	Septate fragment, cast.
" " "	Most of the outer volution of a very large internal cast.
Near Catskill, N. Y.	Internal cast.
" " "	See <i>Porcellia nais</i> .
Auburn, N. Y.	Compressed internal cast of septate portion retaining some test.
Near Milwaukee, Wis.	Part of an internal cast.
Cumberland, Md.	Cast.
Cayuga Lake, N. Y.	Fragment showing surface markings.
Cumberland, Md.	Cast.
Cazenovia, N. Y.	Cast.
" " "	As type of <i>Nautilus (Discites) ornatus</i> Hall.
Near Manlius, N. Y.	Internal cast of a large individual.
" " "	See <i>Coleolus aciculum</i> .
Madison Co., N. Y.	Probably = <i>Orthoceras profundum</i> Hall. Shows some of the external features.
Penn Yan, N. Y.	Casts of about ten chambers and of a single chamber.
" " "	See <i>Orthoceras viator</i> .
" " "	" " <i>bebryx</i> var. <i>cayuga</i> .
Cortland, N. Y.	As " <i>bebryx</i> . Internal cast somewhat flattened.
North Bristol, N. Y.	" " <i>crotalum</i> Hall. Much flattened. Shows external features. The lower part of the specimen as represented has disappeared.
" " "	As <i>Orthoceras nuntium</i> Hall.
North Bristol, N. Y.	Small fragment preserving the test.
Cazenovia, N. Y.	Two internal casts bearing <i>Reptaria stoloniifera</i> , figs. 17-19, pl. 65, vol. 6, Pal. N. Y.
Hamilton, N. Y.	Internal cast. Bears locality ticket in Prof. Hall's handwriting.

Class CEPHALOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	4941	Fig'd	Orthoceras Breyn.—Cont.	Pal. N. Y.	5, pt. 2	288	85	10
"	4942	Type.	constrictum (<i>Vanux.</i>) <i>H.</i>	N. Y. S. M.	15	78		
"	4942	"	crotalum <i>Hall.</i>	I. D. F.	Ceph.	42		1
"	4942	"	" " " " " "	Pal. N. Y.	5, pt. 2	296	42	1
"	4942	"	" " " " " "	I. D. F.	Ceph.	42		3, 4
"	4942	"	" " " " " "	Pal. N. Y.	5, pt. 2	296	42	3, 4
"	4942	"	" " " " " "	I. D. F.	Ceph.	42		8, 9
"	4942	"	" " " " " "	Pal. N. Y.	5, pt. 2	296	42	8, 9
"	4943	"	exile <i>Hall.</i>	N. Y. S. M.	15	78		
"	4943	"	" " " " " "	Pal. N. Y.	5, pt. 2	290	85	1, 2
"	4943	"	" " " " " "	" " "	5, pt. 2	290	84	3
<i>foliatum</i>								
Chem Ham.	4944	Type.	fulgidum <i>Hall.</i>	Pal. N. Y.	5, pt. 2	310	90	3
"	4945	"	idmon <i>Hall.</i>	" " "	5, pt. 2	302	43	11, 12
"			" " " " " "	I. D. F.	Ceph.	43		11, 12
U. H.	4949	"	inoptatum <i>Hall.</i>	Pal. N. Y.	5, pt. 2	267	37	1
"			" " " " " "	I. D. F.	Ceph.	37		1
Mar.	4411	Fig'd.	marcellense (<i>Vanux.</i>) <i>H.</i>	" " "	Ceph.	38		4, 9
"	"	"	" " " " " "	Pal. N. Y.	5, pt. 2	278	38	4, 9
"	"	"	" " " " " "	I. D. F.	Ceph.	38		5
"	"	"	" " " " " "	Pal. N. Y.	5, pt. 2	278	38	5
"	"	"	" " " " " "	" " "	" " "	83		2, 4, 5, 12
"	"	"	" " " " " "	I. D. F.	Ceph.	38		6
"	"	"	" " " " " "	Pal. N. Y.	5, pt. 2	278	38	6
U. H.	2274	Type.	molestum <i>Hall.</i>	I. D. F.	Ceph.	35		6
"			" " " " " "	Pal. N. Y.	5, pt. 2	265	35	13
Ham.	4946	"	nuntium <i>Hall.</i>	N. Y. S. M.	15	79	8	3
"	4946	"	" " " " " "	I. D. F.	Ceph.	43		8
"	4946	"	" " " " " "	Pal. N. Y.	5, pt. 2	299	43	8
"	4946	"	" " " " " "	N. Y. S. M.	15	79	8	4
"	4946	"	" " " " " "	I. D. F.	Ceph.	43		4, 5
"	4946	"	" " " " " "	Pal. N. Y.	5, pt. 2	299	43	4, 5
"	4946	"	" " " " " "	I. D. F.	Ceph.	43		9
"	4946	"	" " " " " "	Pal. N. Y.	5, pt. 2	299	43	9
"	4946	"	" " " " " "	I. D. F.	Ceph.	43		13
"	4946	"	" " " " " "	Pal. N. Y.	5, pt. 2	299	43	13
U. H.	4241	"	ohioense <i>Hall.</i>	" " "	5, pt. 2	236	35A	8, 9
"			" " " " " "	" " "	" " "	36		4
"			" " " " " "	I. D. F.	Ceph.	36		1
Port. Scho.	4947	"	pacator <i>Hall.</i>	Pal. N. Y.	5, pt. 2	307	89	2
"	2876	"	pelops <i>Hall.</i>	N. Y. S. M.	15	73		
"			" " " " " "	I. D. F.	Ceph.	37		8
"			" " " " " "	Pal. N. Y.	5, pt. 2	233	37	3
<i>" var. ohioense</i>								
U. H.	4051	"	profundum <i>Hall.</i>	N. Y. S. M.	15	76		
"			" " " " " "	I. D. F.	Ceph.	37		4, 6
"			" " " " " "	Pal. N. Y.	5, pt. 2	271	37	7, 9
"	4050	"	rudicula <i>Hall.</i>	I. D. F.	Ceph.	37		7
"			" " " " " "	Pal. N. Y.	5, pt. 2	268	37	2
"			" " " " " "	" " "	" " "	112		1, 2
Mar.	4409	"	sicinus <i>Hall.</i>	" " "	5, pt. 2	301	38	1, 2
"			" " " " " "	I. D. F.	Ceph.	38		1, 2
Ham.	4948	"	spissum <i>Hall.</i>	Pal. N. Y.	5, pt. 2	287	85	6, 7

LOCALITY.	REMARKS.
Cazenovia, N. Y.	Internal cast, imbedded.
Schoharie Co., N. Y.	Shows part of outer chamber. Much flattened. Imbedded.
Cazenovia, N. Y.	Somewhat compressed cast preserving portion of test.
Hamilton, N. Y.	Somewhat flattened, partly septate. See also <i>Orthoceras calamen</i> .
Cumberland, Md. Lake Erie, N. Y.	Internal cast which was used in the original description. Flattened internal cast. From ten miles south of Buffalo.
.....	See <i>Cyrtoceras eugenium</i> .
Near Ithaca, N. Y.	Internal cast.
Moscow, N. Y.	As <i>Orthoceras nuntium</i> , and probably is that species. Compressed, imbedded, shows some of external features.
Western New York.	As <i>Orthoceras molestum</i> Hall. An internal cast.
.....	“ “ <i>typum</i> Sæmann.
Manlius, N. Y.	Cast of outer chamber and three others, retaining some shell.
.....	As <i>Orthoceras typum</i> Sæmann.
Manlius, N. Y.	Internal cast retaining some bits of shell.
.....	As <i>Orthoceras typum</i> Sæmann.
Manlius, N. Y.	Almost entire internal cast retaining small bits of shell.
Clarence Hollow, N. Y.	Internal cast. See also <i>Orthoceras inoptatum</i> .
Cazenovia, N. Y.	Septate cast.
Moscow, N. Y.	Partly crushed. Shows external features.
Seneca Lake, N. Y.	Imbedded and partly slickensided.
W. Bloomfield, N. Y.	A much flattened fragment showing external features. See also <i>Orthoceras calamen</i> and <i>Orthoceras idmon</i> .
Delaware, Ohio. Ithaca, N. Y.	As <i>Orthoceras pelops</i> var. <i>ohioense</i> . Internal cast of a large fragment. Compressed internal cast.
Schoharie, N. Y.	Cast of several chambers.
.....	See <i>Orthoceras ohioense</i> .
Williamsville, N. Y.	Casts of outer chamber of two individuals. One retains some shell.
Stafford, N. Y.	Internal cast showing the artificial sections.
Schoharie, N. Y.	As <i>Orthoceras subulatum</i> Hall. Nearly entire individual.
Pratt's Falls, N. Y.	Internal cast and the matrix. The latter preserves the shell.

Class CEPHALOPODA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Mar.	4949 1	Type.	Orthoceras Breyn.— <i>Cont.</i>					
			subulatum..... <i>Hall.</i>	Geol. N. Y.	4th D.	180	ct. 71	1
			"	N. Y. S. M.	15	77		
			"	I. D. F.	Ceph.	....	38	3
Ham.	4950 1	"	tersum..... <i>Hall.</i>	Pal. N. Y.	5, pt. 2	283	38	3
			"	"	5, pt. 2	286	84	5
Scho.	2875 1	"	thoas..... <i>Hall.</i>	N. Y. S. M.	15	75	7	4
			"	I. D. F.	Ceph.	....	41	4
U. H.	2875 3	Fig'd.	" ?....."	Pal. N. Y.	5, pt. 2	261	41	4
			"	I. D. F.	Ceph.	....	41	9
			"	Pal. N. Y.	5, pt. 2	261	41	9
			<i>typus</i>					
U. H.	2873 2	Type.	viator..... <i>Hall.</i>	Pal. N. Y.	5, pt. 2	270	37	5
			"	I. D. F.	Ceph.	....	37	2
Ham.	4951 1	Fig'd.	sp. indet..... <i>Hall.</i>	Pal. N. Y.	5, pt. 2		87	5
"	4952 1	"	sp. indet..... <i>Hall.</i>	" "	5, pt. 2		87	6
"	4953 1	Gen. and Sp. Type	Trematoceras Whitfield.					
			ohioense..... <i>Whitfield.</i>	N. Y. A. S.	2	206		
			"	"	5	528	10	3, 4
"	4953 1	"	"	Geol. O.	7	427	6	3, 4
			Trochoceras Hall.					
			clio..... <i>Hall.</i>	N. Y. S. M.	14	108		
"	2885 1	"	"	Pal. N. Y.	5, pt. 2	392	59	5
			discoideum..... <i>Hall.</i>	" "	5, pt. 2	394	59	6
"	"	"	"	N. Y. S. M.	15	....	9	8
			"	I. D. F.	Ceph.	....	59	3
"	"	"	"	"	Ceph.	....	59	5
			"	Pal. N. Y.	5, pt. 2	394	59	7
"	2883 1	"	eugenium..... <i>Hall.</i>	N. Y. S. M.	14	108		
			"	I. D. F.	Ceph.	....	59	8
"	"	"	"	Pal. N. Y.	5, pt. 2	396	59	10
			"	I. D. F.	Ceph.	....	48	4
"	"	"	"	Pal. N. Y.	5, pt. 2	396	58	4
			expansum..... <i>Hall.</i>	"	5, pt. 2	402	58	6
"	2889 1	"	"	I. D. F.	Ceph.	....	48	6
			obliquatum..... <i>Hall.</i>	"	Ceph.	....	48	5
"	"	"	"	Pal. N. Y.	5, pt. 2	401	58	5
			sp.....	I. D. F.	Ceph.	....	48	4

Subkingdom ARTHROPODA.

Class

Mar.	4421 1	Gen. and Sp. Type.	Protobalanus Whitfield. hamiltonensis..... <i>Whitf.</i>	Pal. N. Y.	7	209	36	23
				A. M. N. H.	2	67	13	22

LOCALITY.	REMARKS.
Bloomfield, N. Y. Central New York.	Nearly entire internal cast. See also <i>Orthoceras sicinus</i> . Internal cast, imbedded.
Schoharie, N. Y. Delaware, Ohio.	Internal cast of outer chamber. Specific reference not queried. Cast "referred with doubt to this species." See <i>Orthoceras marcellense</i> .
Clarence Hollow, N. Y. Skaneateles Lake, N. Y. 18 Mile Creek, N. Y.	As <i>Orthoceras baculum</i> Hall. Cast. Crushed and slickensided, imbedded. Crushed, imbedded, slickensided. From the lake shore.
Near Columbus, Ohio.	A weathered internal cast. From the Corniferous group?
Schoharie, N. Y. Schoharie, N. Y. Schoharie, N. Y.	Internal cast. This species was made the type of the genus <i>Sphyrododoceras</i> by Hyatt, B. S. N. H., vol. 22, p. 298. See also <i>Trochoceras discoideum</i> . The species was first described in the 15th Rept. N. Y. S. M., on p. 64, but this specimen was not one of the original types. As type of <i>Trochoceras chio</i> . " " " " Internal cast. " " " " Internal cast.
" " Schoharie, N. Y. " " " "	Internal cast. This species was made the type of the genus <i>Nadyceras</i> by Hyatt, B. S. N. H., vol. 22, p. 281. As <i>Trochoceras</i> sp. Internal cast. As a type of <i>Trochoceras obliquatus</i> . Internal cast. Internal cast, imbedded. See also <i>Trochoceras expansum</i> . See <i>Trochoceras eugenium</i> .
CRUSTACEA. Order CIRRIPIEDIA.	
Avon, N. Y.	The specimen as described.

Order OSTRACODA.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	4954 I	Type.	Beyrichia McCoy. hamiltonensis Jones.	Q. J. G. S.	46	19	2	3
"	4955 I	"	Entomis Jones. rhomboidea Jones.	" "	46	10	2	9-10b
"	4956 I	"	Isochilina Jones. ? fabacea Jones.	" "	46	22	2	11
"	4957 I	"	lineata Jones.	" "	46	21	2	5a, b
"	4957 2	"	" "	" "	46	21	2	8a, b
"	4958 I	Fig'd.	Leperditia Rouault. hudsonica (Hall) Jones.	" "	46	24	1	11a-c
"	4959 I	"	? seneca (Hall) Jones.	" "	46	23	1	13, 14
"	4960 I	Type.	Primitia Jones. seminulum Jones.	" "	46	5	2	2
"	4961 2	Fig'd.	Primitiopsis Jones. punctulifera (Hall) Jones.	" "	46	9	2	7a, b
"	4961 2	"	" " "	" "	46	9	2	12a, b
"	4961 3	"	" " "	" "	46	9	2	13a, b
"	4962 I	Type.	Strepula Jones & Holl. sigmoidalis Jones.	" "	46	11	2	4

Order TRILOBITA.

			Acidaspis Murchison. eripis					
			Asaphus Brongniart. aspectans					
			Calymene Brongniart. nupera					
Scho.	2493 I	Fig'd.	Chasmops McCoy..... anchiops (Green) ... Hall.	I. D. F.	Crust.	....	9	1, 13
"	"	"	H. & C.	Pal. N. Y.	7	59	9	1, 10
"	"	"	" " ... Hall.	I. D. F.	Crust.	....	10	6, 7, 9
"	"	"	H. & C.	Pal. N. Y.	7	59	10	3, 4, 6
U. H.	4249 I	Type.	calypso: Hall.	N. Y. S. M.	15	89	....	....
"	"	"	" " " " " "	I. D. F.	Crust.	....	13	1, 2
"	"	"	H. & C.	Pal. N. Y.	7	64	11A	22
"	4093 I	"	Conolichas Dames..... eripis Hall.	N. Y. S. M.	15	109	....	....
"	"	"	" " " " " "	" " " "	16	226	....	....
"	"	"	" " " " " "	I. D. F.	Crust.	....	19	11
"	"	"	H. & C.	Pal. N. Y.	7	78	19A	10
"	4093 2	"	" (Hall) .. H. & C.	" " " "	7	78	19A	6
"	4093 I	"	" " " " " "	" " " "	7	78	19A	12

LOCALITY.	REMARKS.
18 Mile Creek, N. Y.	Left valve, imbedded with other type ostracodes. From the lake shore.
" "	= <i>Leperditia spinosa</i> Hall? Two left (?) valves, one of which is imbedded. From the lake shore.
" "	Left valve, imbedded with other type ostracodes. From the lake shore.
Monteith's Point, Canandaigua L., N. Y.	Right valve of an adult.
Moscow, N. Y.	Left valve of a young individual.
18 Mile Creek, N. Y.	Right valve, imbedded with other type ostracodes. From the lake shore. Probably not of this species.
Ontario Co., N. Y.	Two right valves, imbedded with others.
18 Mile Creek, N. Y.	A left valve, imbedded with other type ostracodes. From the lake shore.
Séneca Lake, N. Y.	Left valve.
Darien, N. Y.	Left valve, imbedded.
18 Mile Creek, N. Y.	Entire shell. From the shore of the lake.
" "	Left valve, imbedded with other type ostracodes. From the lake shore.
.....	See <i>Conolichas eriopsis</i> .
.....	" <i>Coronura aspectans</i> .
.....	" <i>Phacops nupera</i> .
.....	Regarded by Hall & Clarke as a subgenus of <i>Dalmanites</i> .
.....	As <i>Dalmanites anchiops</i> .
Schoharie, N. Y.	Internal cast small cephalon retaining some test, and the imperfect cast of a large one.
.....	As <i>Dalmanites anchiops</i> .
Schoharie, N. Y.	Two pygidia, imbedded separately.
.....	As <i>Dalmania calypso</i> .
.....	" <i>Dalmanites</i> "
Falls of Ohio River.	Exfoliated pygidium, imbedded.
.....	Regarded by Hall & Clarke as a subgenus of <i>Lichas</i> .
.....	As type of <i>Lichas armatus</i> Hall.
.....	" <i>Lichas eriopsis</i> , the name <i>Lichas armatus</i> being preoccupied.
.....	" <i>Acidaspis (Terataspis) eriopsis</i> ?
Nr. Williamsville, N. Y.	Imperfect internal cast of pygidium. From Young's quarry.
Schoharie, N. Y.	Cranidium, imbedded.
Williamsville, N. Y.	Part of internal cast large pygidium retaining some test. Same block bears <i>Aviculopecten terminalis</i> H., Pal. N. Y., vol. 5, pt. 1, pl. 1, fig. 3.

Order TRILOBITA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
U. H.	4065 1	Gen. and Sp. Type.	Coronura Hall & Clarke...	Geol. N. Y.	1841	49	1	9
			aspectans Conrad.	N. Y. S. M.	15	88		
			Hall.	I. D. F.	Crust.		13	7
			H. & C.	Pal. N. Y.	7	33	13	2
			(Conrad) Hall.	N. Y. S. M.	15	89		
"	4250 1	Fig'd Sp. and G. T.	"	I. D. F.	Crust.		13	12
			H. & C.	Pal. N. Y.	7	33	13	7
"	4250 2	"	"	I. D. F.	Crust.		13	13
			H. & C.	Pal. N. Y.	7	33	13	8
"	4250 1	"	"	I. D. F.	Crust.		13	14
			H. & C.	Pal. N. Y.	7	33	13	11
"	4070 1	Fig'd.	myrmecophorus (Green)?	"				
			H. & C.	"	7	37	11A	13
Scho.	2894 1	Gen. and Sp. Type.	Corycephalus H. & C.	I. D. F.	Crust.		11	2-4
			regalis Hall.	Pal. N. Y.	7	55	11	1-3
			H. & C.	I. D. F.	Crust.		11	1
"	"	"	"	H. & C.	Pal. N. Y.	7	55	11
			"	"				4
			"	"				
Ham.	4063 1	Fig'd.	Cryphæus Green.	I. D. F.	Crust.		16	9
			Boothi (Green) Hall.	Pal. N. Y.	7	42	16A	3
			H. & C.	"				
"	4064 1	"	Boothi Green,	I. D. F.	Crust.		16	13
			var. calliteles (Grn.) H.	Pal. N. Y.	7	45	16A	9
			H. & C.	"				
U. H.	4248 1	Type.	pleione..... Hall.	N. Y. S. M.	15	90		
			"	I. D. F.	Crust.		16	17
			H. & C.	Pal. N. Y.	7	41	16A	2
Chem.	4065 1	"	Cyphasps Burmeister.	I. D. F.	Crust.		21	29
			laevis..... Hall.	Pal. N. Y.	7	150	21	29
			H. & C.	"				
U. H.	4076 1	"	minuscule Hall.	I. D. F.	Crust.		20	17
			H. & C.	Pal. N. Y.	7	140	20	17
			"	"				
Ham.	4066 1	"	ornata Hall.	I. D. F.	Crust.		21	1
			H. & C.	Pal. N. Y.	7	145	21	1
			"	"				
			Dalmania Emmrich.					
			ageria.....					
			adspectans.....					
			calypso.....					
			coronata.....					
			helena.....					
			pleione.....					
			Dalmanites Barrande.					
			ageria.....					
			anchiops.....					
			aspectans.....					
			Boothii.....					
			calypso.....					
			coronatus.....					
			helena.....					
			myrmecophorus.....					
			pleione.....					
			regalis.....					
			selenurus.....					

LOCALITY.	REMARKS.
.....	Defined as a subgenus of <i>Dalmanites</i> .
.....	As <i>Asaphus aspectans</i> .
.....	" <i>Dalmania adaspectans</i> .
.....	" <i>Dalmanites aspectans</i> .
The Helderbergs, N. Y.	Left eye and movable cheek, imbedded.
.....	As type of <i>Dalmania helena</i> Hall.
Near Columbus, O.	Exfoliated pygidium, imbedded.
.....	As type of <i>Dalmanites helena</i> Hall.
Near Delaware, O.	Nearly entire external imprint of large pygidium. More likely to
.....	have come from Delaware than from Columbus.
Near Columbus, O.	As type of <i>Dalmanites helena</i> Hall.
.....	Imprint of under side of pygidium. Restored in figure.
Schoharie?, N. Y.	Imperfect imprint of under side of glabella.
.....	Defined as a subgenus of <i>Dalmanites</i> .
.....	As <i>Dalmanites regalis</i> .
Knox, N. Y.	Cast of under side of cephalon retaining a very little of the test.
.....	As <i>Dalmanites regalis</i> .
Knox, N. Y.	Imperfect cephalon, imbedded so as to show under side.
.....	Regarded by Hall & Clarke as a subgenus of <i>Dalmanites</i> .
.....	As <i>Dalmanites Boothii</i> .
Darien, N. Y.	Small pygidium, imbedded.
.....	As <i>Dalmanites Boothii</i> .
Jaycox's Run, N. Y.	An imperfect, somewhat exfoliated pygidium, imbedded. Living-
.....	ston county.
.....	As <i>Dalmania pleione</i> .
.....	" <i>Dalmanites pleione</i> .
Falls of Ohio River.	Imperfect, exfoliated pygidium, imbedded.
.....	As <i>Phillipsia lavis</i> .
Chemung Co., N. Y.	Cast, somewhat compressed.
.....	As <i>Phillipsia minuscula</i> .
Schoharie, N. Y.	Individual, imbedded.
.....	As <i>Phillipsia?</i> (<i>Brachymetopus?</i>) <i>ornata</i> .
18 Mile Creek, N. Y.	Imperfect cephalon, imbedded.
.....	Replaced by <i>Dalmanites</i> Barrande.
.....	See <i>Odontocephalus ageria</i> .
.....	" <i>Coronura aspectans</i> .
.....	" <i>Chasmops calypso</i> .
.....	" <i>Odontocephalus?</i> <i>coronatus</i> .
.....	" <i>Coronura aspectans</i> .
.....	" <i>Cryphæus pleione</i> .
.....	See <i>Odontocephalus ageria</i> .
.....	" <i>Chasmops anchiops</i> .
.....	" <i>Coronura aspectans</i> .
.....	" <i>Cryphæus Boothii</i> and <i>Cryphæus Boothii</i> , var. <i>calliteles</i> .
.....	" <i>Chasmops calypso</i> .
.....	" <i>Odontocephalus?</i> <i>coronatus</i> and <i>Odontocephalus selenurus</i> .
.....	" <i>Coronura aspectans</i> .
.....	" <i>myrmecophorus</i> .
.....	" <i>Cryphæus pleione</i> .
.....	" <i>Corycephalus regalis</i> .
.....	" <i>Odontocephalus selenurus</i> .

Order TRILOBITA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Ham.	4967 ₁	Fig'd.	Homalonotus Koenig.					
			Dekayi (<i>Green</i>)..... <i>Hall.</i>	I. D. F.	Crust.	....	2	3, 4
			<i>H. & C.</i>	Pal. N. Y.	7	7	2	3, 4
	4967 ₂	"	" "..... <i>Hall.</i>	I. D. F.	Crust.	....	2	10
			<i>H. & C.</i>	Pal. N. Y.	7	7	2	10
	4967 ₃	"	" "..... <i>Hall.</i>	I. D. F.	Crust.	....	4	1, 2
			<i>H. & C.</i>	Pal. N. Y.	7	7	4	4, 5
	"	"	" "..... <i>Hall.</i>	I. D. F.	Crust.	....	5	1-5, 9
			<i>H. & C.</i>	Pal. N. Y.	7	7	5	4-8, 12, 13
	4967 ₄	"	" "..... <i>Hall.</i>	I. D. F.	Crust.	....	5	6, 7
Orisk.	4967 ₅	"	" "..... <i>H. & C.</i>	Pal. N. Y.	7	7	5	10, 11
			" "..... <i>Eaton.</i>	Geol. T. B.	2d ed.	34		
			" "..... <i>Hall.</i>	I. D. F.	Crust.	....	5	11
			<i>H. & C.</i>	Pal. N. Y.	7	7	5	9
	5701 ₁	Type.	major..... <i>Whitfield.</i>	A. M. N. H.	1	193	22	
			Lichas Dalman.					
			<i>armatus</i>					
			<i>eriopis</i>					
			<i>grandis</i>					
			Nuttainia Eaton.....					
U. H.			<i>sparsa</i>					
			Odontocephalus <i>Conrad.</i> ...					
	4967 ₁	Type.	<i>ægeria</i> <i>Hall.</i>	N. Y. S. M.	15	85		
			"..... <i>H. & C.</i>	I. D. F.	Crust.	....	12	3, 4
			"..... <i>H. & C.</i>	Pal. N. Y.	7	53	11B	3, 4
	4967 ₂	"	"..... <i>Hall.</i>	I. D. F.	Crust.	....	12	5, 6, 8-10
			"..... <i>H. & C.</i>	Pal. N. Y.	7	53	11B	1, 2, 7-9
	4964 ₁	"	? <i>coronatus</i> <i>Hall.</i>	N. Y. S. M.	15	86		
			"..... <i>H. & C.</i>	I. D. F.	Crust.	....	12	17
			"..... <i>H. & C.</i>	Pal. N. Y.	7	54	11B	12
Ham.	4969 ₁	Fig'd.	<i>selenurus</i> (<i>Eaton</i>)..... <i>Hall.</i>	I. D. F.	Crust.	....	12	7
			<i>H. & C.</i>	Pal. N. Y.	7	49	12	13
	4969 ₂	"	" "..... <i>Hall.</i>	I. D. F.	Crust.	....	12	14
			<i>H. & C.</i>	Pal. N. Y.	7	49	12	2
	4969 ₃	"	" "..... <i>Hall.</i>	I. D. F.	Crust.	....	12	15
			<i>H. & C.</i>	Pal. N. Y.	7	49	11B	20
	4969 ₄	"	" "..... <i>Hall.</i>	I. D. F.	Crust.	....	12	16
			<i>H. & C.</i>	Pal. N. Y.	7	49	12	4
			Phacops Emmrich.					
			<i>bombifrons</i>					
U. H.	4968 ₁	Type.	<i>cacapona</i> <i>Hall.</i>	N. Y. S. M.	15	96		
			"..... <i>H. & C.</i>	I. D. F.	Crust.	....	8	18-20
			"..... <i>H. & C.</i>	Pal. N. Y.	7	27	8	19-21
	4968 ₂	Fig'd.	" ?..... <i>Hall.</i>	I. D. F.	Crust.	....	8	21-23
			"..... <i>H. & C.</i>	Pal. N. Y.	7	27	8	22-24
			<i>cristata</i> <i>Hall.</i>	N. Y. S. M.	15	95		
			"..... <i>H. & C.</i>	I. D. F.	Crust.	....	6	8
			"..... <i>H. & C.</i>	Pal. N. Y.	7	14	6	11

LOCALITY.	REMARKS.
Near Hamilton, N. Y.	Cast of small, closely rolled individual.
East Worcester, N. Y.	Incomplete cast of small cephalon.
Madison Co., N. Y.	Cast retaining doublure.
" "	Cast of cephalon, a closely rolled, exfoliated individual and a cast of a pygidium.
Pratt's Falls, N. Y.	Cast.
.....	As the type of <i>Nuttania sparsa</i> .
Coeymans, N. Y.	Weathered, imperfect cranidium.
Near Kingston, N. Y.	Part of a cast of a very large specimen. From the "5th Binnewater" dam.
.....	See <i>Conolichas eriopsis</i> .
.....	" " "
.....	" <i>Terataspis grandis</i> .
.....	
.....	Synonym of <i>Trinucleus</i> .
.....	See <i>Homalonotus Dekayi</i> .
.....	
.....	Regarded by Hall & Clarke as a subgenus of <i>Dalmanites</i> .
.....	As <i>Dalmania ageria</i> .
.....	" <i>Dalmanites ageria</i> .
Chittenango, N. Y.	Imprint of under side of individual, almost entire.
.....	As <i>Dalmanites ageria</i> .
Williamsville, N. Y.	Imprint of under side of cephalon and two imbedded pygidia the larger of which has lost most of test.
.....	As <i>Dalmania coronata</i> .
.....	" <i>Dalmanites coronatus</i> .
Near Auburn, N. Y.	Pygidium and most of thorax, imbedded.
.....	As <i>Dalmanites ageria</i> .
Near Ovid, N. Y.	A group of casts. Block was found loose.
.....	As <i>Dalmanites selenurus</i> .
Near Auburn, N. Y.	Large individual, nearly entire, imbedded.
.....	As a type of <i>Dalmanites coronatus</i> .
Western New York.	An imbedded pygidium.
.....	As a type of <i>Dalmanites coronatus</i> .
Near Auburn, N. Y.	A partly dismembered individual, imbedded.
.....	
.....	See <i>Phacops cristata</i> .
.....	
Mouth of Cacapon River, Va.	Cast of cephalon and thorax and an incomplete cast of folded individual.
?	Cast of individual retaining small portions of the test, "referred with some hesitation to this species."
Onondaga Co., N. Y.	Pygidium and part of thorax, imbedded. From the Indian quarries.

Order TRILOBITA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
Phacops Emmrich—Cont.								
U. H.	4071 ₂	Type.	<i>cristata</i>.....Hall.	N. Y. S. M.	15	95	.....	.....
			Hall.	I. D. F.	Crust.	.....	6	20-25
			<i>H. & C.</i>	Pal. N. Y.	7	14	6	16-21
"	4071 ₆	"	Hall.	N. Y. S. M.	15	95	.....	.....
			Hall.	I. D. F.	Crust.	.....	6	26, 27
			<i>H. & C.</i>	Pal. N. Y.	7	14	6	22, 23
"	4071 ₁	"	Hall.	N. Y. S. M.	15	95	.....	.....
			Hall.	I. D. F.	Crust.	.....	6	28, 29
			<i>H. & C.</i>	Pal. N. Y.	7	14	6	24, 25
Chem.	4889 ₁	"	<i>nupera</i>.....Hall.	Geol. N. Y.	4th D.	262	ct. 116	.....
			Hall.	I. D. F.	Crust.	.....	8	26
			<i>H. & C.</i>	Pal. N. Y.	7	27	8	27
U. H.	4252 ₁	Fig'd.	<i>rana (Green)?</i>.....Hall.	I. D. F.	Crust.	.....	6	14, 15
			<i>H. & C.</i>	Pal. N. Y.	7	19	6	14, 15
Ham.	4252 ₂	"	Hall.	I. D. F.	Crust.	.....	7	2
			<i>H. & C.</i>	Pal. N. Y.	7	19	7	2
"	4252 ₃	"	Hall.	I. D. F.	Crust.	.....	7	3, 4
			<i>H. & C.</i>	Pal. N. Y.	7	19	7	3, 4
"	4252 ₄	"	Hall.	I. D. F.	Crust.	.....	8	1-3
			<i>H. & C.</i>	Pal. N. Y.	7	19	8	1-3
"	4252 ₅	"	Hall.	I. D. F.	Crust.	.....	8	4-7, 11
			<i>H. & C.</i>	Pal. N. Y.	7	19	8	4-7, 12
"	4252 ₆	"	Hall.	I. D. F.	Crust.	.....	8	8, 9
			<i>H. & C.</i>	Pal. N. Y.	7	19	8	8, 9
"	4252 ₆	"	Hall.	I. D. F.	Crust.	.....	8	13
			<i>H. & C.</i>	Pal. N. Y.	7	19	8	14
"	4252 ₇	"	Hall.	I. D. F.	Crust.	.....	8	17
			<i>H. & C.</i>	Pal. N. Y.	7	19	8	18
Phaethonides Angelin.								
Scho.	2895 ₁	Type.	<i>arenicolus</i>.....H. & C.	"	7	134	25	12
Phillipsia Portlock.								
			<i>lævis</i>.....	.....	.....	.....	.....	.....
			<i>minuscula</i>.....	.....	.....	.....	.....	.....
			<i>?ornata</i>.....	.....	.....	.....	.....	.....
Proëtus Steininger.								
Scho.	2900 ₁	Type.	<i>angustifrons</i>.....Hall.	N. Y. S. M.	15	98	.....	.....
			Hall.	I. D. F.	Crust.	.....	20	1
			<i>H. & C.</i>	Pal. N. Y.	7	91	20	1
"	2900 ₂	"	Hall.	I. D. F.	Crust.	.....	20	2, 4, 7
			<i>H. & C.</i>	Pal. N. Y.	7	91	20	2, 4, 5
U. H.	4253 ₁	"	<i>canaliculatus</i>.....Hall.	N. Y. S. M.	15	101	.....	.....
			Hall.	I. D. F.	Crust.	.....	20	10, 11
			<i>H. & C.</i>	Pal. N. Y.	7	107	20	10, 11
"	4075 ₁	"	<i>clarus</i>.....Hall.	N. Y. S. M.	15	99	.....	.....
			Hall.	I. D. F.	Crust.	.....	20	12-14
			<i>H. & C.</i>	Pal. N. Y.	7	104	20	12-14
Scho.	2899 ₂	"	<i>Conradi</i>.....Hall.	N. Y. S. M.	15	97	.....	.....
			Hall.	I. D. F.	Crust.	.....	20	6
			<i>H. & C.</i>	Pal. N. Y.	7	89	20	9
"	2899 ₁	"	Hall.	I. D. F.	Crust.	.....	21	27, 28
			<i>H. & C.</i>	Pal. N. Y.	7	89	21	27, 28

LOCALITY.	REMARKS.
.....	As a type of <i>Phacops bombifrons</i> .
The Helderbergs, N. Y.	Internal casts of two cranidia.
.....	As a type of <i>Phacops bombifrons</i> .
Clarence Hollow, N. Y.	Internal cast of cranidium.
.....	As a type of <i>Phacops bombifrons</i> Hall.
Cayuga, Ont.	A small cephalon, partly denuded of test.
.....	As <i>Calymene nupera</i> .
Chemung Creek, N. Y.	A weathered cast.
Kelly's Island, Ohio.	Nearly entire, somewhat exfoliated, imbedded.
18 Mile Creek, N. Y.	A small individual, slightly crushed, imbedded. From the lake shore.
Canandaigua L., N. Y.	An enrolled individual.
Moscow, N. Y.	Entire, enrolled.
18 Mile Creek, N. Y.	A cephalon, an enrolled individual and an imperfect cephalon. From the lake shore.
Near Widder, Ont.	An enrolled individual, slightly crushed.
Near Geneva, N. Y.	A partly exfoliated, somewhat weathered cephalon, imbedded.
Jaycox's Run, N. Y.	Front of cephalon with hypostoma in place. Near Geneseo.
Schoharie, N. Y.	An imperfect pygidium, imbedded.
.....	See <i>Cyphaspis levis</i> .
.....	" " <i>minuscule</i> .
.....	" " <i>ornata</i> .
Albany Co., N. Y.	Internal cast of glabella with some test remaining.
Schoharie, N. Y.	Two somewhat exfoliated pygidia, imbedded.
Falls of Ohio River.	Cranidium, imbedded.
Stafford, N. Y.	Two individuals, imbedded.
Albany Co., N. Y.	A very perfect pygidium, imbedded.
.....	As <i>Proetus marginalis</i> Conrad.
Schoharie, N. Y.	Enrolled individual, nearly entire, partly exfoliated.
.....	See also <i>Proetus crassimarginatus</i> .

Order TRILOBITA—Continued.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
U. H.	2897 ₆	Type.	Proëtus Steiningi — <i>Cont.</i> <i>crassimarginatus</i> <i>Hall.</i>	N. Y. S. M.	15	100		
			"	I. D. F.	Crust.	....	20	20, 21, 25, 26
			<i>H. & C.</i>	Pal. N. Y.	7	99	20	20, 21, 25, 26
	2897 ₄	"	"	 <i>Hall.</i>	I. D. F.	Crust.	....	20
"	2897 ₅	"	"	<i>H. & C.</i>	Pal. N. Y.	7	99	20
	2897 ₃	"	"	 <i>Hall.</i>	I. D. F.	Crust.	....	20
			<i>H. & C.</i>	Pal. N. Y.	7	99	20	28-31
Scho.	2897 ₁	"	"	 <i>Hall.</i>	I. D. F.	Crust.	....	20
			<i>H. & C.</i>	Pal. N. Y.	7	99	20	8, 9
U. H.	2897 ₆	"	" (<i>Hall</i>) <i>H. & C.</i>	"	7	99	25	7, 8
								8
Ham.	4070 ₁	Type.	<i>Haldemani</i> <i>Hall.</i>	N. Y. S. M.	15	102		
			"	I. D. F.	Crust.	....	21	9
			<i>H. & C.</i>	Pal. N. Y.	7	113	21	-9
Scho.	2898 ₁	"	<i>hesione</i> <i>Hall.</i>	N. Y. S. M.	15	98		
			"	I. D. F.	Crust.	....	20	15, 16
			<i>H. & C.</i>	Pal. N. Y.	7	93	20	15, 16
Ham.?	4071 ₁	"	<i>longicauda</i> <i>Hall.</i>	N. Y. S. M.	15	108		
			"	I. D. F.	Crust.	....	20	32-34
			<i>H. & C.</i>	Pal. N. Y.	7	131	20	32-34
Ham.	4072 ₁	"	<i>macrocephalus</i> <i>Hall.</i>	N. Y. S. M.	15	105		
			"	I. D. F.	Crust.	....	21	11
			<i>H. & C.</i>	Pal. N. Y.	7	116	21	11
"	4072 ₂	"	"	 <i>Hall.</i>	I. D. F.	Crust.	....	21
			<i>H. & C.</i>	Pal. N. Y.	7	116	21	12
"	4072 ₃	"	"	 <i>Hall.</i>	I. D. F.	Crust.	....	21
			<i>H. & C.</i>	Pal. N. Y.	7	116	21	13
"	4072 ₄	"	"	 <i>Hall.</i>	I. D. F.	Crust.	....	21
			<i>H. & C.</i>	Pal. N. Y.	7	116	21	15, 20
"	4072 ₅	"	"	 <i>Hall.</i>	N. Y. S. M.	15	107	....
			"	I. D. F.	Crust.	....	21	16
			<i>H. & C.</i>	Pal. N. Y.	7	116	21	16
			" var. <i>a</i>.....	....	....	....	....	....
			<i>marginalis</i>.....	....	....	....	....	....
Ham.	4073 ₁	Type.	<i>occidens</i> <i>Hall.</i>	N. Y. S. M.	15	108		
			"	I. D. F.	Crust.	....	21	22, 23
			<i>H. & C.</i>	Pal. N. Y.	7	130	21	22, 23
"	4074 ₁	Fig'd.	<i>Rowi (Green)</i> <i>Hall.</i>	I. D. F.	Crust.	....	21	2, 3
			<i>H. & C.</i>	Pal. N. Y.	7	119	21	2, 3
"	4074 ₂	"	"	 <i>Hall.</i>	I. D. F.	Crust.	....	21
			<i>H. & C.</i>	Pal. N. Y.	7	119	21	5
U. H.	4074 ₁	Type.	<i>Verneuili</i> <i>Hall.</i>	N. Y. S. M.	15	101		
			"	I. D. F.	Crust.	....	20	18, 19
			<i>H. & C.</i>	Pal. N. Y.	7	108	20	18, 19
Scho.	2899 ₂	Fig'd.	Terataspis <i>Hall.</i> <i>grandis (Hall)</i> <i>Whitfield.</i>	A. M. N. H.	9	45	....	I-3

LOCALITY.	REMARKS.
Falls of Ohio River.	Internal cast of glabella retaining some test, imbedded, and two imbedded pygidia.
Clarence Hollow, N. Y.	Large glabella mostly denuded of test.
Williamsville, N. Y.	Internal casts of two pygidia, the smaller of which retains some test. The original of figure 29 is supposed to be the specimen which was figured on page 172, Geol. N. Y., 4th D.
Albany Co., N. Y.	As <i>Proetus Conradi</i> Hall.
Falls of Ohio River.	Imperfect internal cast of pygidium. A partly exfoliated individual, imbedded.
Western New York.	A small pygidium, imbedded.
Schoharie, N. Y.	Internal cast of pygidium retaining a very little test.
Northeast of Des Moines, Ia.	Enrolled individual. Probably = <i>Phillipsia major</i> Shumard and of Lower Carboniferous age.
Jaycox's Run, N. Y.	Somewhat exfoliated, imperfect individual. Livingston county.
Cayuga Lake, N. Y.	A partly exfoliated individual lacking the free cheeks.
York, N. Y.	Part of a flattened cephalon.
Near Geneseo, N. Y.	A very perfect pygidium, imbedded. As <i>Proetus macrocephalus</i> , var. <i>a</i> , Hall.
18 Mile Creek, N. Y.	Small, mostly exfoliated pygidium, imbedded. See <i>Proetus macrocephalus</i> .
	" " <i>Conradi</i> .
Buffalo, Iowa.	A small, macerated pygidium and a larger exfoliated one, imbedded in separate blocks.
Summit, N. Y.	Obliquely crushed, partly exfoliated individual. Schoharie county.
Otsego Co., N. Y.	Imperfect matrix of an individual.
Williamsville, N. Y.	Exfoliated pygidium with part of thorax, imbedded.
Paterson, N. J.	Regarded by Hall & Clarke as a subgenus of <i>Lichas</i> . As <i>Lichas (Terastaspis) grandis</i> . Cast of a very large hypostoma, nearly entire, and of another, less perfect, one.

Subkingdom VERTEBRATA.

Geol. Subdiv.	Cat. No.	Type or Fig'd Sp.	GENUS, SPECIES AND AUTHOR.	REFERENCE.				
				Work.	Vol.	P.	Pl.	Figs.
U. H.	4960 1	Gen. and Sp. Type.	Asterosteus Newberry. stenocephalus... <i>Newberry.</i>	Pal. Ohio.	2	36	54	1
Cats-kill.	4975 1	Type.	Bothriolepis Eichwald. Leidy..... <i>Newberry.</i>	P. F. N. A.	.....	III	20	1
Cats-kill.	4976 1	Fig'd.	Holoptychius Agassiz. americanus (<i>Leidy</i>) <i>Hall.</i>	Geol. N. Y.	4th D.	281	ct. 130	2 (?)
"	"	"	" " " " " "	" " "	4th D.	281	ct. 130	4
"	4977 1	Type.	granulatus... <i>Newberry.</i> <i>Hall.</i>	P. F. N. A. Geol. N. Y.	 4th D.	100 281	20 ct. 130	9 1 2
Cats-kill.	4978 1	Type.	<i>nobilissimus</i> Hall (<i>non</i> Agassiz) ? radiatus... <i>Newberry.</i> <i>Hall.</i>	P. F. N. A. Geol. N. Y.	 4th D.	115 281	20 ct. 130	12, 14 3
"	4979 1	Gen. and Sp. Type.	Sauripteris Hall. Taylora..... <i>Hall.</i>	" " "	4th D.	282	ct. 131	1
			" " " " " "	" " "	1840	453	3	1, 3
			<i>Sauritolepis</i> Hall.....	.....	.....	.....	.....	.....
			<i>Taylori</i>.....	.....	.....	.....	.....	.....

ADDENDA ET CORRIGENDA.

Pages 78 and 79.

Receptaculites Pearyi *Whitfield*, Bul. A. M. N. H., Vol. 13, p. 19, pl. 1, fig. 1. Cape Harrison, Princess Marie Bay. Niagara? Group. Cat. No. ¹⁸³⁸₁. Type. The middle portion of a large colony.

Pages 80 and 81.

Calapœcia *Billings*.

Calapœcia borealis *Whitfield*, Bul. A. M. N. H., Vol. 13, p. 20, pl. 2, figs. 3-7. Cape Harrison, Princess Marie Bay. Niagara? Group. Cat. No. ¹⁸³⁸₁. Four weathered fragments of colonies.

Pages 84 and 85.

Halysites agglomeratiformis *Whitfield*, Bul. A. M. N. H., Vol. 13, p. 20, pl. 2, figs. 1, 2. Cape Harrison, Princess Marie Bay. Niagara? Group. Cat. No. ¹⁸³⁸₁. A weathered fragment and one which has been etched with acid.

Heliolites perelegans *Whitfield*, Bul. A. M. N. H., Vol. 13, p. 21, pl. 1, fig. 2. Cape Harrison, Princess Marie Bay. Niagara? Group. Cat. No. ¹⁸³⁷₁. Part of a colony with part of a *Receptaculites* surrounding it.

Page 110, line 9 from bottom. Instead of "Cat. P. F." read "Am. P. F."

Page 127, line 3 from bottom. Transfer marks of parenthesis to the word *Leptostrophia*.

Page 129, line 4. Transfer marks of parenthesis to the word *Leptostrophia*.

Page 140, line 11 from bottom. Insert ditto marks under "Type."

Page 148, line 13 from bottom. Instead of "*deformis*" read "deforme."

Page 160, line 19 from bottom. Instead of "*cyrdiformis*" read "cordiformis."

Page 170, line 16. Instead of "*bisulata*" read "*bisulcata*."

Page 186, line 4. Instead of "*locustris*" read "*lacustris*."

Page 188, line 16. Instead of "**Groptolithus**" read "**Graptolithus**."

Page 195, line 8 from bottom. Strike out period after "*cadens*."

Page 202, line 22 from bottom. Instead of "Fig'd" place ditto marks.

Page 203, lines 22 and 20 from bottom. Insert "As *Orthis unguiculus* Sowerby."

Page 204, lines 23 and 11 from bottom. Instead of ditto marks insert "Type."

Page 204, line 23 from bottom. Instead of "Schloth" read "*Schloth*."

Page 208. **Camartœchia** carolina is out of order.

Page 215, line 5 from bottom. Insert "As *Cryptonella* (*Terebratula*) *eudora*."

Page 218, 8th column, lines 5, 9 and 10 from bottom. Instead of "10" read "19."

Pages 218 and 219. Under *Delthyris* insert "*Delthyris mesacostalis*... See *Spirifer mesicostalis*."

Page 219. The entry in the column of remarks opposite *Delthyris acuminata* should read "See *Spirifer mesicostalis*."

Page 219, line 24. Instead of "*mesastrialis*" read "*mesistrialis*."

Pages 220 and 221. *Douvillina cayuta* should be transferred to pages 218 and 219, and placed under Cat. No. $\frac{4584}{4}$.

Page 220, line 9 from bottom. Instead of "Owen" read "*Owen*."

Page 222, line 24. Instead of "mesacostale" read "mesicostale."

Page 233, line 10 and below. Instead of "*chemungense*" read "*chemungensis*."

Page 286, 1st column, line 2 from bottom. Instead of the ditto marks read "Ham."

Page 298, line 1. Instead of "Palæosolen Hall" read "Panenka Barr."

Page 308, 3d column, line 29, opposite *Vertumnia reversa*. Instead of "Fig'd Sp. and G. T." read "Gen. and Sp. Type."

References to the First Annual Report of the State Geologist of New York (for 1881, published in 1884) have been omitted from their proper places, there being nothing in the regular edition of the Palæontology of New York, Vol. 5, part 1, to lead to them. They are of little importance, but for the sake of completeness they are inserted here, as far as the specimens illustrated are in this Museum.

Megalomus canadensis Hall. Page 158 of this Catalogue.

Pal. N. Y., Vol. 5, pt. 1, pl. 52, fig. 10=S. G. N. Y., 1, pl. 9, fig. 16.

Actinopteria Boydi Conrad. Page 262.

Pal. N. Y., Vol. 5, pt. 1, pl. 19, figs. 15, 16=S. G. N. Y., 1, pl. 3, figs. 10, 11.

Amnigenia catskillensis Vanuxem. Page 262.

Pal. N. Y., Vol. 5, pt. 1, pl. 40, fig. 4=S. G. N. Y., 1, pl. 9, fig. 15.

Aviculopecten dolabriformis Hall. Page 264.

Pal. N. Y., Vol. 5, pt. 1, pl. 7, fig. 21=S. G. N. Y., 1, pl. 2, fig. 8.

Aviculopecten princeps Conrad. Page 266.

Pal. N. Y., Vol. 5, pt. 1, pl. 5, fig. 24=S. G. N. Y., 1, pl. 2, fig. 2.

Aviculopecten rugistriatus Hall. Page 266.

Pal. N. Y., Vol. 5, pt. 1, pl. 7, fig. 11=S. G. N. Y., 1, pl. 2, fig. 7.

Conocardium cuneus var. *trigonale* Hall. Page 268.

Pal. N. Y., Vol. 5, pt. 1, pl. 68, figs. 5, 13=S. G. N. Y., 1, pl. 9, figs. 4, 5, as *Conocardium trigonale*.

Crenipecten crenulatus Hall. Page 270.

Pal. N. Y., Vol. 5, pt. 1, pl. 9, fig. 17=S. G. N. Y., 1, pl. 1, fig. 8.

Crenipecten leon Hall. Page 270.

Pal. N. Y., Vol. 5, pt. 1, pl. 9, fig. 12=S. G. N. Y., 1, pl. 1, fig. 6.

Cypriocardella tenuistriata Hall & Whitfield. Page 272.

Pal. N. Y., Vol. 5, pt. 1, pl. 73, fig. 23=S. G. N. Y., 1, pl. 6, fig. 3.

Cypricardinia indenta Conrad. Page 272.

Pal. N. Y., Vol. 5, pt. 1, pl. 79, fig. 13=S. G. N. Y., 1, pl. 11, fig. 11.

Cytherodon nasutus Hall. Page 272.

Pal. N. Y., Vol. 5, pt. 1, pl. 75, fig. 11=S. G. N. Y., 1, pl. 8, fig. 12, as *Schizodus nasutus*.

Ectenodesma birostratum Hall. Page 272.

Pal. N. Y., Vol. 5, pt. 1, pl. 23, fig. 27=S. G. N. Y., 1, pl. 4, fig. 18.

Edmondia Philipi Hall & Whitfield. Page 274.

Pal. N. Y., Vol. 5, pt. 1, pl. 64, fig. 14=S. G. N. Y., 1, pl. 10, fig. 8.

Euthydesma subtextile Hall. Page 274.

Pal. N. Y., Vol. 5, pt. 1, pl. 63, fig. 12=S. G. N. Y., 1, pl. 10, fig. 10, as *Cardiomorpha textilis*.

Glyptodesma erectum Conrad. Page 276.

Pal. N. Y., Vol. 5, pt. 1, pl. 11, fig. 4=S. G. N. Y., 1, pl. 4, fig. 3, as *Glyptodesma erectum*.

Glyptodesma erectum var. *obliquum* Hall. Page 276.

Pal. N. Y., Vol. 5, pt. 1, pl. 13, fig. 6=S. G. N. Y., 1, pl. 4, fig. 6, as *Glyptodesma erectum*.

Goniophora hamiltonensis Hall & Whitfield. Page 276.

Pal. N. Y., Vol. 5, pt. 1, pl. 43, fig. 18=S. G. N. Y., 1, pl. 6, fig. 13.

Goniophora truncata Hall. Page 276.

Pal. N. Y., Vol. 5, pt. 1, pl. 44, fig. 3=S. G. N. Y., 1, pl. 6, fig. 15.

Gosselettia triquetra Conrad. Page 278.

Pal. N. Y., Vol. 5, pt. 1, pl. 31, fig. 10=S. G. N. Y., 1, pl. 5, fig. 9.

Grammysia bisulcata Conrad. Page 278.

Pal. N. Y., Vol. 5, pt. 1, pl. 54, fig. 8=S. G. N. Y., 1, pl. 10, fig. 17.

Grammysia globosa Hall & Whitfield. Page 278.

Pal. N. Y., Vol. 5, pt. 1, pl. 62, fig. 18=S. G. N. Y., 1, pl. 10, fig. 11, as *Cardiomorpha cordatus*.

Grammysia nodocostata Hall & Whitfield. Page 280.

Pal. N. Y., Vol. 5, pt. 1, pl. 55, figs. 5, 6=S. G. N. Y., 1, pl. 10, figs. 19, 20.

Grammysia (Sphenomya) cuneata Hall. Page 280.

Pal. N. Y., Vol. 5, pt. 1, pl. 62, fig. 3=S. G. N. Y., 1, pl. 10, fig. 13.

Limoptera cancellata Hall & Whitfield. Page 284.

Pal. N. Y., Vol. 5, pt. 1, pl. 26, fig. 3=S. G. N. Y., 1, pl. 3, fig. 7.

Limoptera macroptera Conrad. Page 284.

Pal. N. Y., Vol. 5, pt. 1, pl. 26, fig. 7=S. G. N. Y., 1, pl. 3, fig. 5.

Lunulicardium ornatum Hall. Page 284.

Pal. N. Y., Vol. 5, pt. 1, pl. 71, fig. 26=S. G. N. Y., 1, pl. 10, fig. 2.

Lyriopecten cymbalon Hall. Page 286.

Pal. N. Y., Vol. 5, pt. 1, pl. 24, fig. 8=S. G. N. Y., 1, pl. 2, fig. 14.

Lyriopecten interradiatus Hall. Page 286.

Pal. N. Y., Vol. 5, pt. 1, pl. 2, fig. 1=S. G. N. Y., 1, pl. 2, fig. 13.

Macrodon chemungensis Hall & Whitfield. Page 286.

Pal. N. Y., Vol. 5, pt. 1, pl. 51, fig. 14=S. G. N. Y., 1, pl. 8, fig. 5.

- Macrodon hamiltoniae** Hall & Whitfield. Page 286.
 Pal. N. Y., Vol. 5, pt. 1, pl. 51, fig. 1=S. G. N. Y., 1, pl. 8, fig. 4.
- Megambonia cardiiformis** Hall. Page 286.
 Pal. N. Y., Vol. 5, pt. 1, pl. 52, fig. 2=S. G. N. Y., 1, pl. 9, fig. 10, as
Megambonia subcordiformis.
- Modiella pygmæa** Conrad. Page 288.
 Pal. N. Y., Vol. 5, pt. 1, pl. 76, fig. 11=S. G. N. Y., 1, pl. 11, fig. 1.
- Modiola (Mytilops) præcedens** Hall & Whitfield. Page 288.
 Pal. N. Y., Vol. 5, pt. 1, pl. 33, fig. 13=S. G. N. Y., 1, pl. 5, fig. 12, as
Modiola (Mytilops) præcedens.
- Modiomorpha subalata** Conrad. Page 290.
 Pal. N. Y., Vol. 5, pt. 1, pl. 39, fig. 9=S. G. N. Y., 1, pl. 6, fig. 10.
- Mytilarca carinata** Hall. Page 290.
 Pal. N. Y., Vol. 5, pt. 1, pl. 32, fig. 16=S. G. N. Y., 1, pl. 5, fig. 7.
- Nucula Randalli** Hall & Whitfield. Page 292.
 Pal. N. Y., Vol. 5, pt. 1, pl. 45, fig. 8=S. G. N. Y., 1, pl. 7, fig. 4.
 Pal. N. Y., Vol. 5, pt. 1, pl. 45, fig. 27=S. G. N. Y., 1, pl. 7, fig. 5, as
Nucula lirata.
- Nuculites oblongatus** Conrad. Page 292.
 Pal. N. Y., Vol. 5, pt. 1, pl. 47, figs. 7, 11, 12=S. G. N. Y., 1, pl. 7, figs.
 11-13.
- Nuculites triqueter** Conrad. Page 294.
 Pal. N. Y., Vol. 5, pt. 1, pl. 47, fig. 19=S. G. N. Y., 1, pl. 7, fig. 15.
- Nyassa arguta** Hall & Whitfield. Page 294.
 Pal. N. Y., Vol. 5, pt. 1, pl. 53, fig. 18=S. G. N. Y., 1, pl. 8, fig. 8.
- Nyassa subalata** Hall & Whitfield. Page 294.
 Pal. N. Y., Vol. 5, pt. 1, pl. 53, fig. 25=S. G. N. Y., 1, pl. 8, fig. 9.
- Palæoneilo constricta** Conrad. Page 294.
 Pal. N. Y., Vol. 5, pt. 1, pl. 48, fig. 8=S. G. N. Y., 1, pl. 7, fig. 16.
- Palæoneilo maxima** Conrad. Page 296.
 Pal. N. Y., Vol. 5, pt. 1, pl. 48, fig. 33=S. G. N. Y., 1, pl. 7, fig. 17.
- Palæoneilo muta** Hall & Whitfield. Page 296.
 Pal. N. Y., Vol. 5, pt. 1, pl. 49, fig. 30=S. G. N. Y., 1, pl. 7, fig. 20.
- Palæoneilo plana** Hall & Whitfield. Page 296.
 Pal. N. Y., Vol. 5, pt. 1, pl. 48, fig. 26=S. G. N. Y., 1, pl. 7, fig. 18.
- Palæosolen siliquoideus** Hall & Whitfield. Page 296.
 Pal. N. Y., Vol. 5, pt. 1, pl. 78, fig. 33=S. G. N. Y., 1, pl. 11, fig. 16, as
Orthonota siliquoidea.
- Panenka robusta** Hall. Page 298.
 Pal. N. Y., Vol. 5, pt. 1, pl. 70, fig. 22=S. G. N. Y., 1, pl. 10, fig. 4, as
Cardiola? robusta.
- Paracyclas elliptica** Hall. Page 298.
 Pal. N. Y., Vol. 5, pt. 1, pl. 72, fig. 32=S. G. N. Y., 1, pl. 9, fig. 9, as
Paracyclas elliptica var. *occidentalis*.
- Phthonia cylindrica** Hall. Page 298.
 Pal. N. Y., Vol. 5, pt. 1, pl. 78, fig. 2=S. G. N. Y., 1, pl. 11, fig. 20.

Phthonia sectifrons *Conrad*. Page 298.

Pal. N. Y., Vol. 5, pt. 1, pl. 78, fig. 11=S. G. N. Y., 1, pl. 11, fig. 19.

Plethomytilus ponderosus *Hall & Whitfield*. Page 300.Pal. N. Y., Vol. 5, pt. 1, pl. 30, figs. 4, 5=S. G. N. Y., 1, pl. 5, figs. 1, 2, as *Mytilarca* (*Plethomytilus*) *ponderosa*.**Prothyris planulata** *Hall*. Page 300.

Pal. N. Y., Vol. 5, pt. 1, pl. 76, fig. 1=S. G. N. Y., 1, pl. 11, fig. 6.

Pterinea flabella *Conrad*. Page 300.

Pal. N. Y., Vol. 5, pt. 1, pl. 14, fig. 17=S. G. N. Y., 1, pl. 3, fig. 3.

Pterinopecten undosus *Hall*. Page 302.

Pal. N. Y., Vol. 5, pt. 1, pl. 2, fig. 15=S. G. N. Y., 1, pl. 1, fig. 12.

Pterinopecten vertumnus *Hall*. Page 304.

Pal. N. Y., Vol. 5, pt. 1, pl. 5, fig. 8=S. G. N. Y., 1, pl. 1, fig. 14.

Schizodus chemungensis *Conrad*. Page 304.

Pal. N. Y., Vol. 5, pt. 1, pl. 75, fig. 39=S. G. N. Y., 1, pl. 8, fig. 14.

Sphenotus cuneatus *Conrad*. Page 308.Pal. N. Y., Vol. 5, pt. 1, pl. 65, figs. 13, 14, 17=S. G. N. Y., 1, pl. 6, figs. 16-18, as *Sanguinolites cuneatus*.**Tellinopsis subemarginata** *Conrad*. Page 308.Pal. N. Y., Vol. 5, pt. 1, pl. 76, figs. 22, 23=S. G. N. Y., 1, pl. 11, figs. 9, 8, as *Tellinopsis emarginata*.ABBREVIATIONS USED IN PART III, WHICH HAVE
NOT BEEN EXPLAINED IN PARTS I AND II.

GEOLOGICAL SUBDIVISIONS.

CHEM.....	Chemung.
HAM.....	Hamilton.
MAR.....	Marcellus.
ORISK.....	Oriskany.
PORT.....	Portage.
SCHO.....	Schoharie.
U. H.....	Upper Helderberg (=Corniferous).

AUTHORS' NAMES.

DE K.....	de Koninck.
N. & P.....	Norwood & Pratten.
ROMING.....	C. Rominger.
S. & Y.....	Shumard & Yandel.
SCHLOTH.....	Schlotheim.

OTHER ABBREVIATIONS.

- ct, in column headed "Plate" . . . cut.
 t, " " " " . . . table, and refers to the "Tables of Organic
 Remains" at the end of the "Survey of the Fourth Geological
 District" (of New York).
 Tp Township.

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Note regarding localities.—The user of this Catalogue will find many discrepancies between the localities given here for the specimens and those given in the explanations of the plates in the Palæontology of New York, especially in volume 8 of that work. This has been unavoidable, because most of the specimens bear Prof. Hall's old locality tickets or labels, or show some other certain indication of the place from which they came, and it has seemed necessary to follow the evidence thus given by the specimens themselves. When there has been reasonable doubt in the matter, the specimen has been entered here as it stands in the published volume of the Palæontology.

Some of the localities from which Prof. Hall collected fossils in his early work, particularly that for the Fourth District Report, are no longer to be found in the gazetteer or on the map. For this reason it seems to be desirable to state where some of them were and to indicate the changes which have been made in the names of others:

Baileytown was on Seneca Lake near Lodi.
 Bear's Gulf was in Schoharie County.
 Dexterville is now known as East Jamestown.
 Hobbieville was a hamlet in Allegany county, N. Y.
 Jaycox's Run was near Geneseo, Livingston County.
 Lapham's Mill was in Ontario county, N. Y.
 New Buffalo, Iowa, is now called simply Buffalo.
 Phillipsburg, N. Y., is now known as Belmont.
 Pine Valley was in Catharine township, Schuyler county, N. Y.
 Pratt's Falls are the same as Delphi Falls and are near Delphi, Onondaga county, N. Y.
 "Rockville was a settlement near the mouth of Rock creek on the Genesee, in the township of Belfast, Allegany county, during the construction of the Genesee Valley Canal." Pal. N. Y., Vol. 5, pt. 1, p. vi.
 Summit, N. Y. Prof. Hall's locality, was in Schoharie county.
 Dr. Knapp's collection is now in the Borden Institute, Borden, Indiana.