

PLATE 121.

STROMBODES STRIATUS.

Niagara.

1. View of the upper surface of a weathered corallum, from the ferruginous clay of the Upper Niagara, near Louisville. Collection of the author.

STROMBODES PENTAGONUS.

Niagara.

2. View of the upper surface of a fragment, from the white clay of the Upper Niagara, near Louisville. Collection of the author.
3. View of the upper surface of a corallum, from the red clay of the passage-beds between the Niagara and Devonian rocks, near Louisville. Collection of the author.

STROMBODES SINEMURUS, Nov. Spec.

Niagara.

4. View of the upper surface of a corallum, from the horizon and neighborhood of *S. pentagonus*, Fig. 2. Collection of Mr. McConathy.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 121.

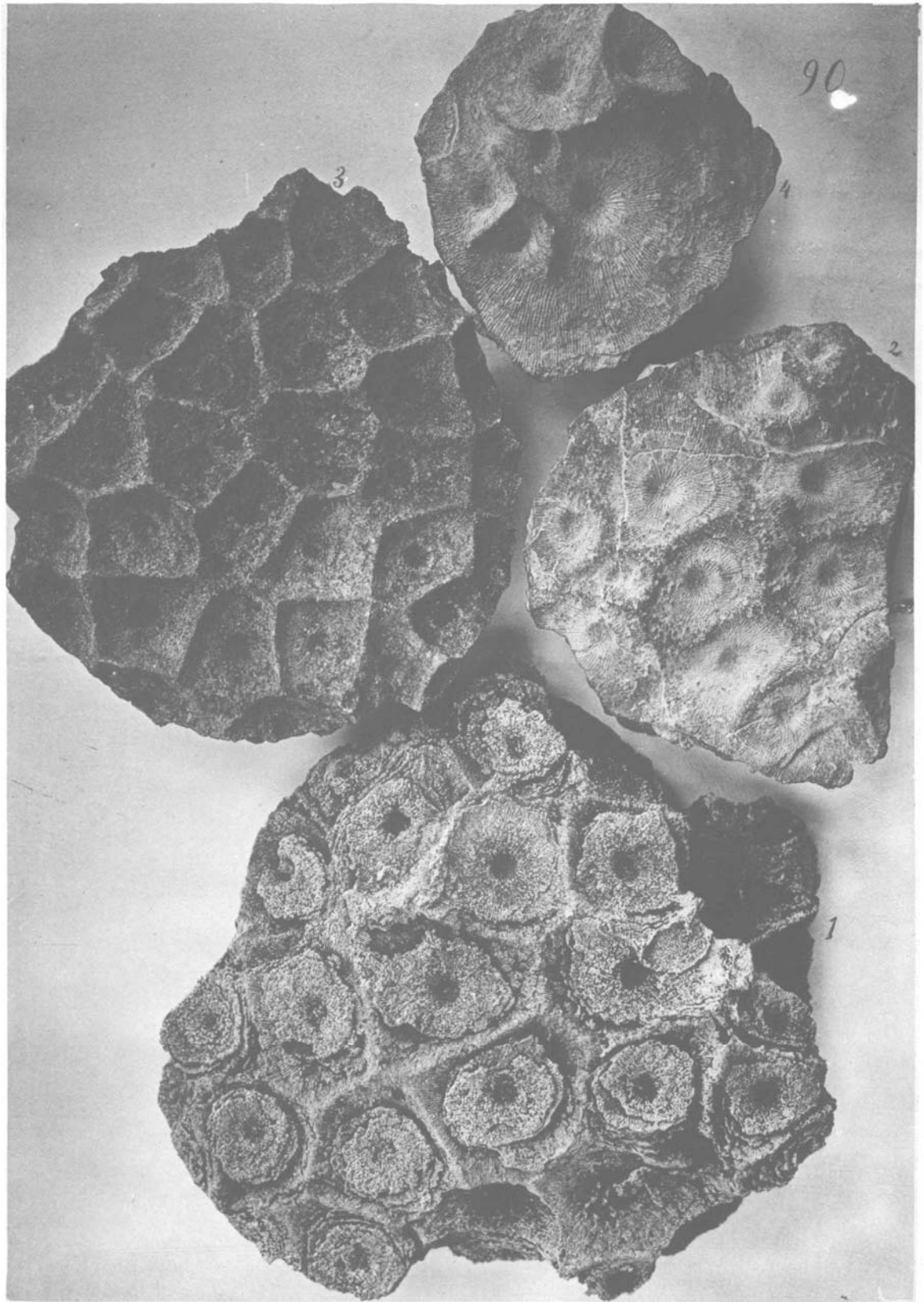


PLATE 122.

STROMBODES STRIATUS.

Niagara.

1. View of the upper surface of a corallum, from the Upper Niagara white clay, near Louisville. Collection of the author.
2. View of a vertical section of a weathered corallum, from the Upper Niagara red clay, near Louisville. Collection of the author.

STROMBODES QUADRANGULARIS, Nov. Spec.

Niagara.

3. View of the upper surface of a corallum, from the lower strata of the Upper Niagara red clay, near Louisville. Collection of the author.

STROMBODES UNICUS, Nov. Spec.

Niagara.

5. Lateral view of a corallum, from the Upper Niagara red clay, near Louisville. Collection of Mr. Nettelroth.

STROMBODES SINEMURUS, Nov. Spec.

Niagara.

4. View of the upper surface of a corallum, from the Upper Niagara white clay, near Louisville. Collection of the author.
6. View of the upper surface of a corallum, from the red clay of the Upper Niagara, near Louisville. Collection of Mr. Nettelroth.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 122.

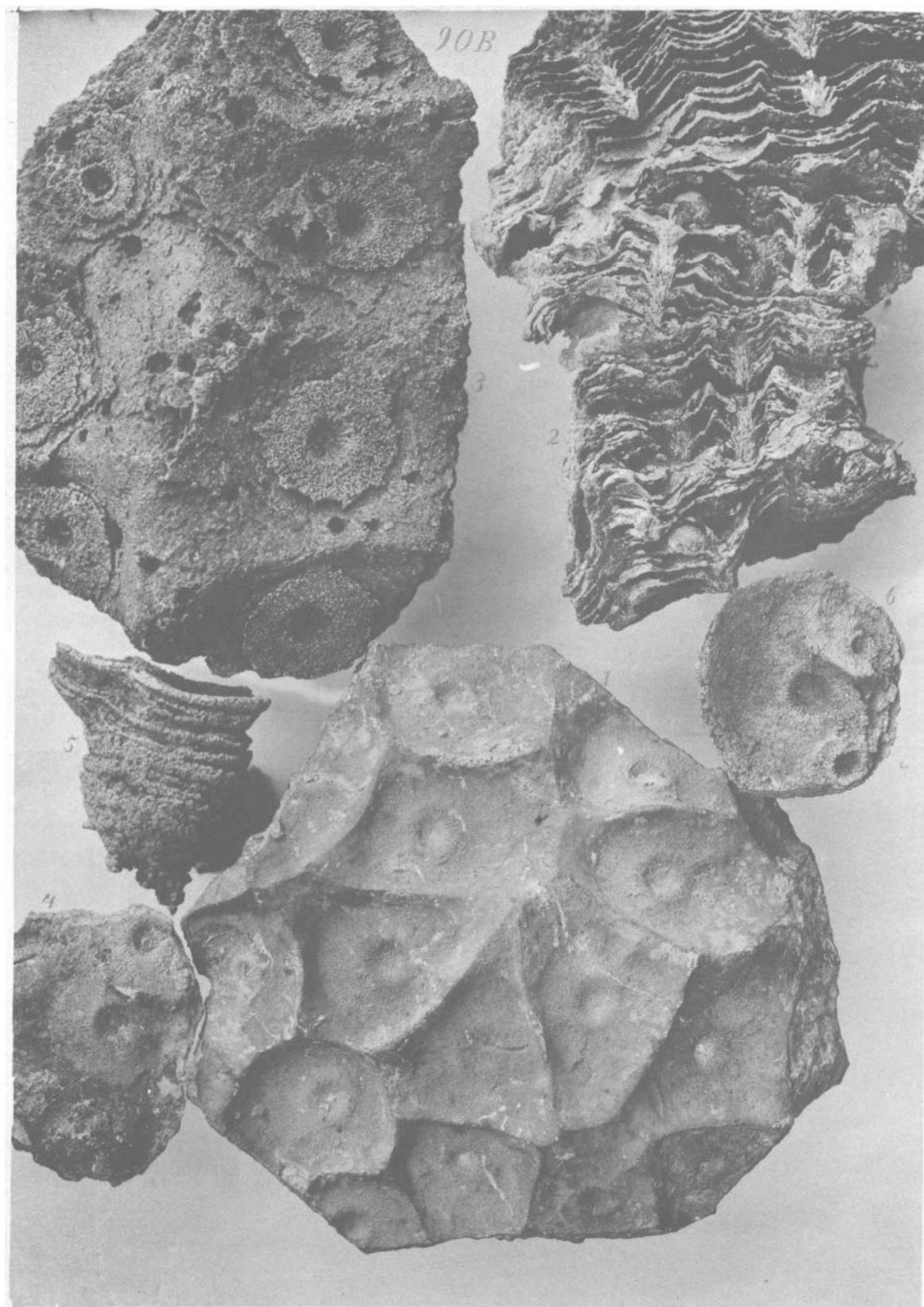


PLATE 123.

STROMBODES PYGMAEUS.

Niagara.

1. View of the upper surface of a corallum, from the white clay of the Upper Niagara, near Louisville. Collection of the author.

STROMBODES INCERTUS, Nov. Spec.

Niagara.

2. View of the upper surface of a corallum, from the Upper Niagara red clay, near Louisville. Collection of the author.

STROMBODES SINEMURUS, Nov. Spec.

Niagara.

3. View of the upper surface of a corallum, from the Upper Niagara red clay, near Louisville. Collection of Mr. McConathy.

STROMBODES MAMILLARIS.

Niagara.

4. View of the upper surface of a small corallum, from the Upper Niagara red clay, near Louisville. Collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 123.

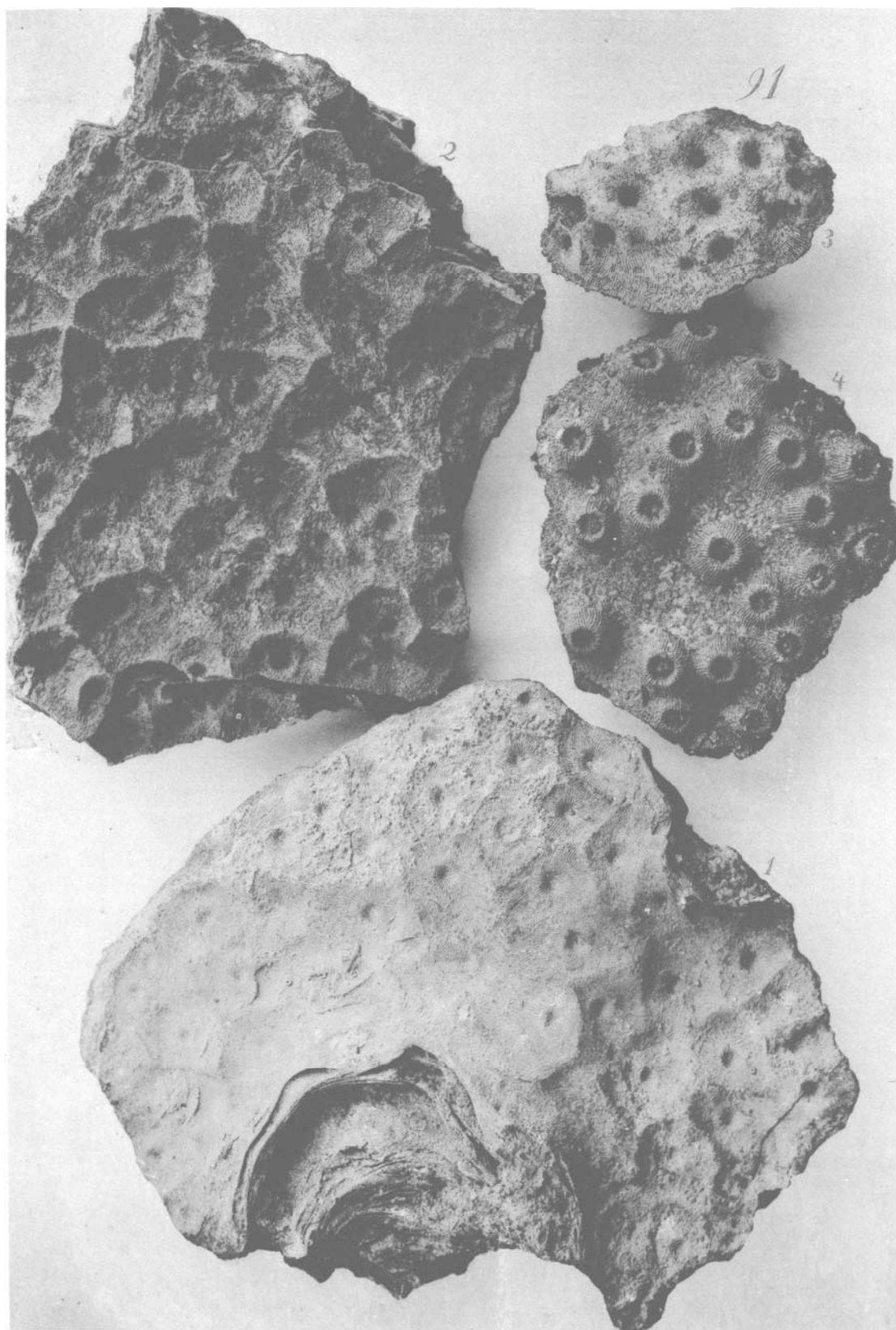


PLATE 124.

CYSTIPHYLLUM NIAGARENSE.

Niagara.

1. Left lateral view of an adult corallum.
2. Anterior view of a gemmiferous corallum.
3. Anterior view of a small corallum.

Examples 1, 2, 3, are from the Upper Niagara red clay, near Louisville.

4. View of the calyx and oblique anterior view of a small corallum.
5. View of the calyx of an adult corallum, in which three of the four foveal gaps proper to Cyathophylloidea are conspicuous.

Specimens 4 and 5 are from the white clay of the Upper Niagara, near Louisville.

CYSTIPHYLLUM INCURVUM, Nov. Spec.

Niagara.

6. Left lateral view of a small corallum, with denuded epitheca, from the Upper Niagara white clay, near Louisville.
7. Posterior view of an adult corallum, from the Upper Niagara red clay, near Louisville. Collection of Mr. McConathy.
8. Anterior view of a corallum, from the horizon and neighborhood of the preceding example. From the collection of Mr. McConathy.

CYSTIPHYLLUM AMERICANUM.

Devonian.

9. Posterior view of a corallum of robust habit, with warped apical scar of attachment; from the encrinal limestone clay of the Upper Devonian, near Louisville.
10. Right lateral view of a corallum, from the Lower Devonian rocks, Falls of the Ohio.
11. Right lateral view of a corallum, from the blue clay of the Middle Devonian, Falls of the Ohio.

The specimens figured in this Plate, with the exception of Figs. 7 and 8, belong to the collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 124.

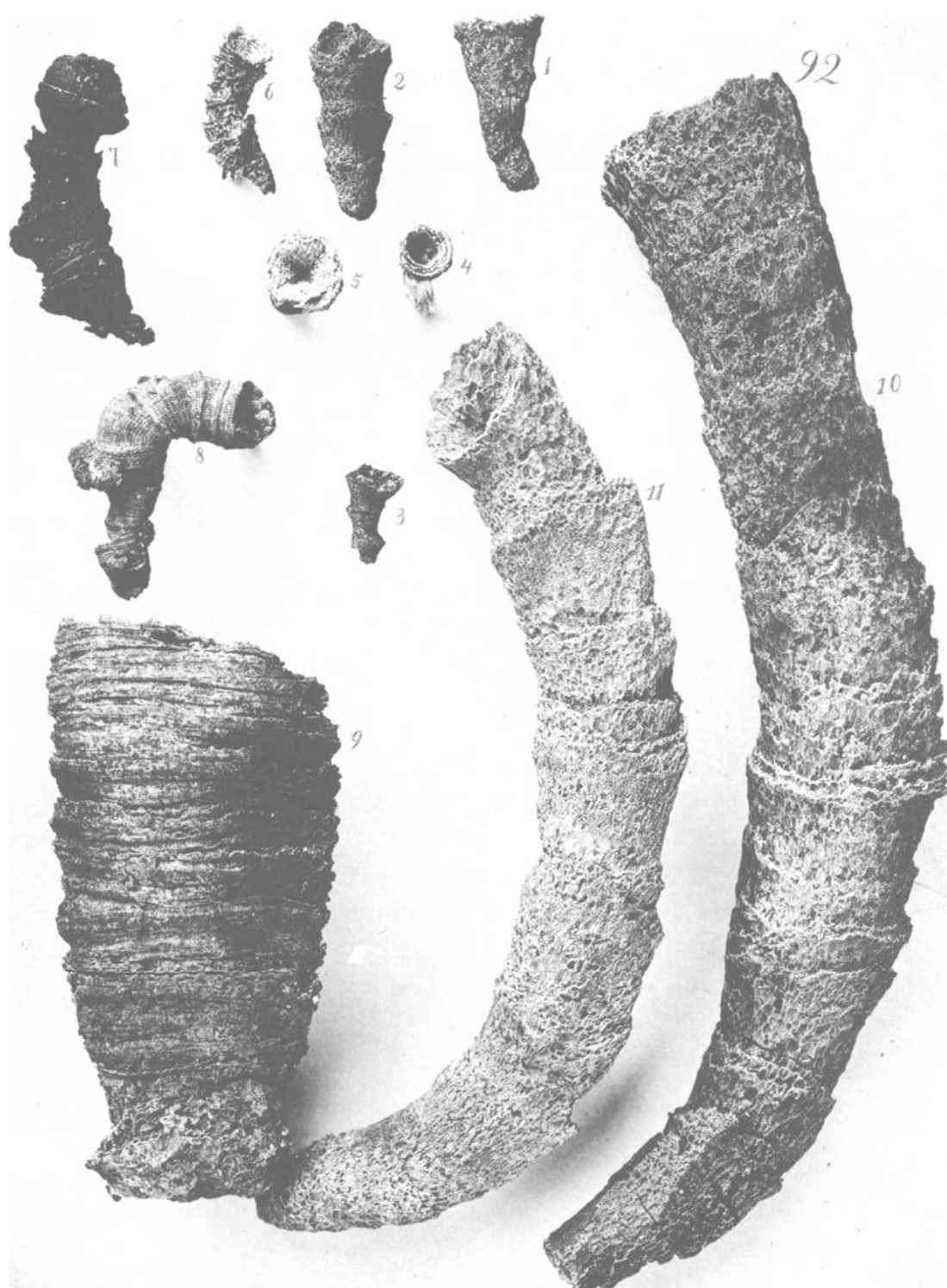


PLATE 125.

CYSTIPHYLLUM SULCATUM.

Devonian.

1. Left lateral view of a symmetrical adult corallum.
2. Left lateral view of a slender corallum.
3. View of the calyx of a corallum similar to example 1. From the Lower Devonian rocks, Falls of the Ohio.

CYSTIPHYLLUM SQUAMOSUM.

Devonian.

4. Posterior view (prone) of a corallum, from the Middle Devonian red clay, near Louisville.
5. Right lateral view of a weathered corallum of unusual altitude; from the horizon and neighborhood of the preceding specimen.
6. View of the calyx of a corallum, from the blue clay of the Middle Devonian, Falls of the Ohio.

CYSTIPHYLLUM NETTELROTHI, Nov. Spec.

Devonian.

7. Right lateral view of a corallum.
9. Posterior view (prone) of a corallum.
8. View of the calyx of a corallum, whose radial lamellae are somewhat obscured by siliceous deposition in annular dots.
From the ferruginous clay of the Lower Devonian, near Louisville.

CYSTIPHYLLUM CICATRICIFERUM, Nov. Spec.

Devonian.

10. Posterior view of a corallum, from the Lower Devonian rocks, Falls of the Ohio.
11. View of the calyx of a corallum of sessile growth, whose circular apical scar has the dimensions of the calyx; from the encrinal limestone clay of the Upper Devonian, near Louisville.

CYSTIPHYLLUM OHIOENSE.

Devonian.

12. Left lateral view of a corallum.
13. Posterior view of a corallum.
From the red clay strata derived from the encrinal limestone of the Upper Devonian, near Louisville.

The specimens herein figured belong to the collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 125.

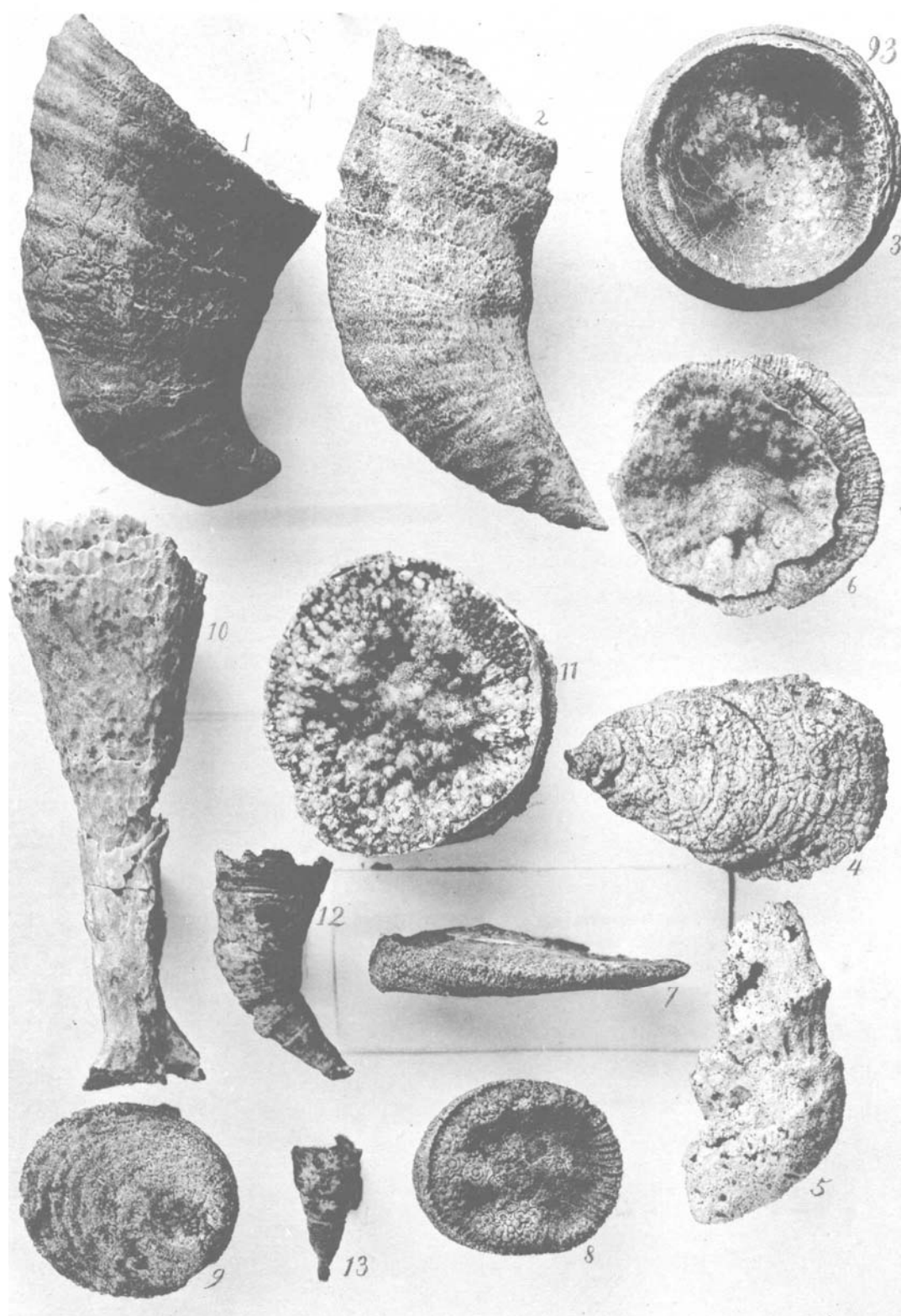


PLATE 126.

CYSTIPHYLLUM GRANDE.

Devonian.

1. Anterior view of an adult corallum, with a portion of the wall removed, so as to show the delicately laminated calyx wall and the floor; from the Lower Devonian rocks, Falls of the Ohio.

CYSTIPHYLLUM LIMBATUM, Nov. Spec.

Devonian.

2. Left lateral view of the upper part of a corallum, from the Lower Devonian rocks, Falls of the Ohio.
Collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 126.



PLATE 127.

CYSTIPHYLLUM HISPIDUM, Nov. Spec.

Devonian.

Left lateral view of a corallum (prone), from the Lower Devonian
rocks, Falls of the Ohio. Collection of the author.

KENTUCKY GEOLOGICAL SURVEY.
PLATE 127.

94B



PLATE 128.

CYSTIPHYLLUM LINEATUM, Nov. Spec. *Niagara and Devonian.*

1. Left lateral view of a corallum, from the ferruginous clay of the Lower Devonian, near Louisville.
2. Right lateral view of an adult corallum, from the Upper Niagara red clay, near Louisville.
3. Exterior view of a corallum, from the passage-beds between the Niagara and Devonian formations, near Louisville.
4. View of the calyx of a large corallum, from the horizon and neighborhood of specimen 1.

CYSTIPHYLLUM PLICATUM, Nov. Spec. *Devonian.*

5. 6. 7. Right lateral views of small coralla, with apical scars of attachment.
8. Anterior view of a corallum, with apical scar.
From the blue clay of the Middle Devonian, Falls of the Ohio.

CYSTIPHYLLUM EDWINANUM, Nov. Spec. *Devonian.*

9. View of the calyx of a gemmiferous corallum.
From the Middle Devonian red clay, near Louisville.

CYSTIPHYLLUM TUMIDOSUM, Nov. Spec. *Devonian.*

10. View of the calyx of a corallum of average size. From the horizon and locality of *C. edwinanum*.

CYSTIPHYLLUM THEISSI, Nov. Spec. *Devonian.*

11. Posterior view of an adult corallum.
12. Left lateral view of a corallum.
13. Anterior view of a gemmiferous corallum.
14. View of the calyx of a corallum.
From the blue clay of the Middle Devonian, Falls of the Ohio.
The specimens figured in this Plate are from the collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 128.

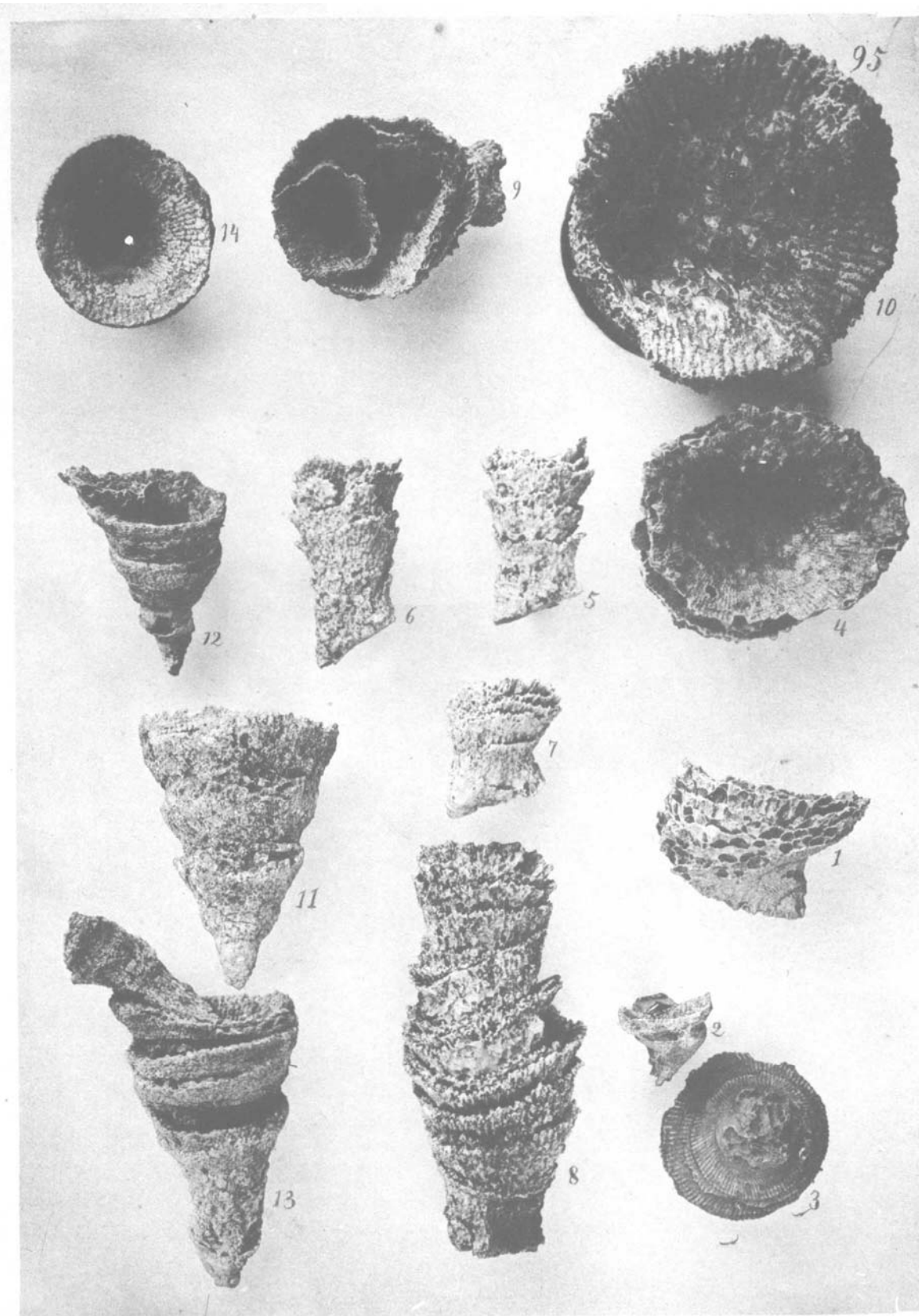


PLATE 129.

CYSTIPHYLLUM HISPIDUM, Nov. Spec.

Devonian.

1. View of the calyx of the corallum, figured in Plate 127.

CYSTIPHYLLUM VESICULOSUM.

Devonian.

2. Left lateral view of a corallum, from the Lower Devonian rocks, Falls of the Ohio.

CYSTIPHYLLUM PLICATUM, Nov. Spec.

Devonian.

3. Left lateral view of a large corallum, from the Lower Devonian rocks, Falls of the Ohio.

Collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 129.

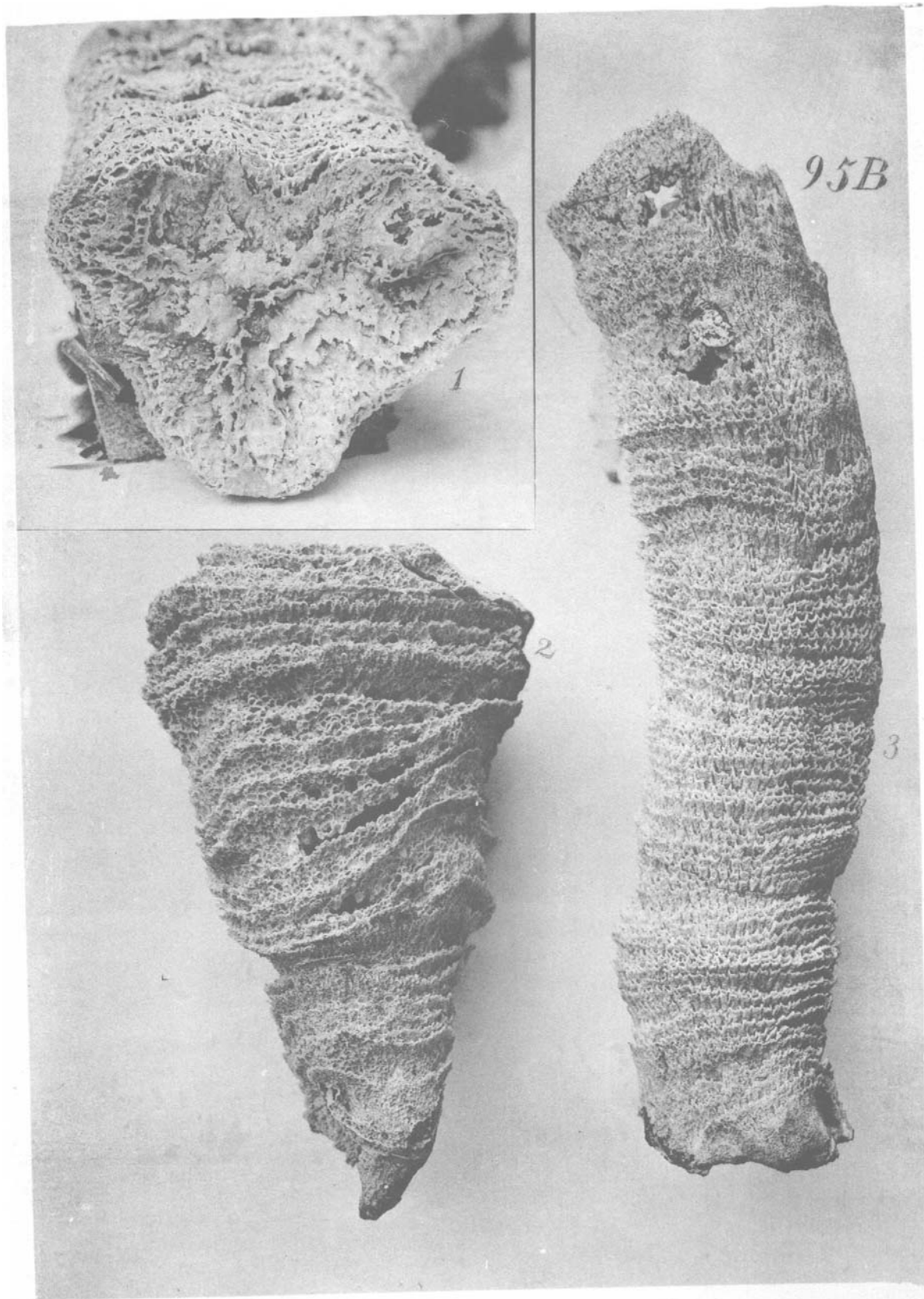


PLATE 130.

ZAPHRENTIS TRIGEMMA, Nov. Spec.

Devonian.

1. Left lateral view of a portion of a corallum, partly imbedded in the rock matrix.
2. Anterior view of the superior portion of a corallum.
From the Lower Devonian rocks, Falls of the Ohio.

ZAPHRENTIS NODULOSA.

Devonian.

3. Anterior view of a large corallum, with a portion of the rock matrix attached; from the Lower Devonian rocks, Falls of the Ohio.

CYSTIPHYLLUM PLICATUM, Nov. Spec.

Devonian.

4. Posterior view of a corallum, with epitheca denuded, and the successively invaginating calyx-wall margins fortuitously worn off, showing the radial lamellae.
5. View of the calyx of a corallum.
From the Lower Devonian rocks, Falls of the Ohio.

CYSTIPHYLLUM OS, Nov. Spec.

Devonian.

6. 7. Lateral views of coralla, with spreading apices, from the Lower Devonian rocks, Falls of the Ohio.

CYATHOPHYLLUM GREENI, Nov. Spec.

Devonian.

8. Left lateral view of an adult a jejune corallum.
9. Right lateral view of the upper portion of a jejune corallum. From the Lower Devonian rocks, Falls of the Ohio.

The examples figured in the Plate are from the collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 130.

