

PLATE 11.

FAVOSITES HEMISPHERICUS, ET VARIETATES.

Devonian.

1. Lateral view of a weathered example, showing corallet walls incrassated by siliceous deposits during fossilization, from the Middle Devonian, near Louisville. Collection of the author.
2. Vertical section of an example from the same locality. Collection of the author.
3. Lateral view of a corallum from the same horizon, near Louisville. Collection of the author.
4. Conical section, parallel with the operculous exterior, from the same horizon and place. Collection of the author.
5. 6. Lateral views of sub-bacillate forms, from the upper clay beds of the Middle Devonian; near Louisville. Collection of the author.
7. Lateral view of a corallum, whose operculous apex has been flattened by attachment to a marine object; from the locality of 5 and 6.
8. Portion of a corallum from the dark red clays derived from the decomposition of the encrinal limestone lying under the shale which caps the Devonian; near Louisville. Collection of the author.
9. Lateral view of a distorted example formed by two sub-bacillate forms intimately united; from the horizon of 5 and 6, near Louisville. Collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 11.

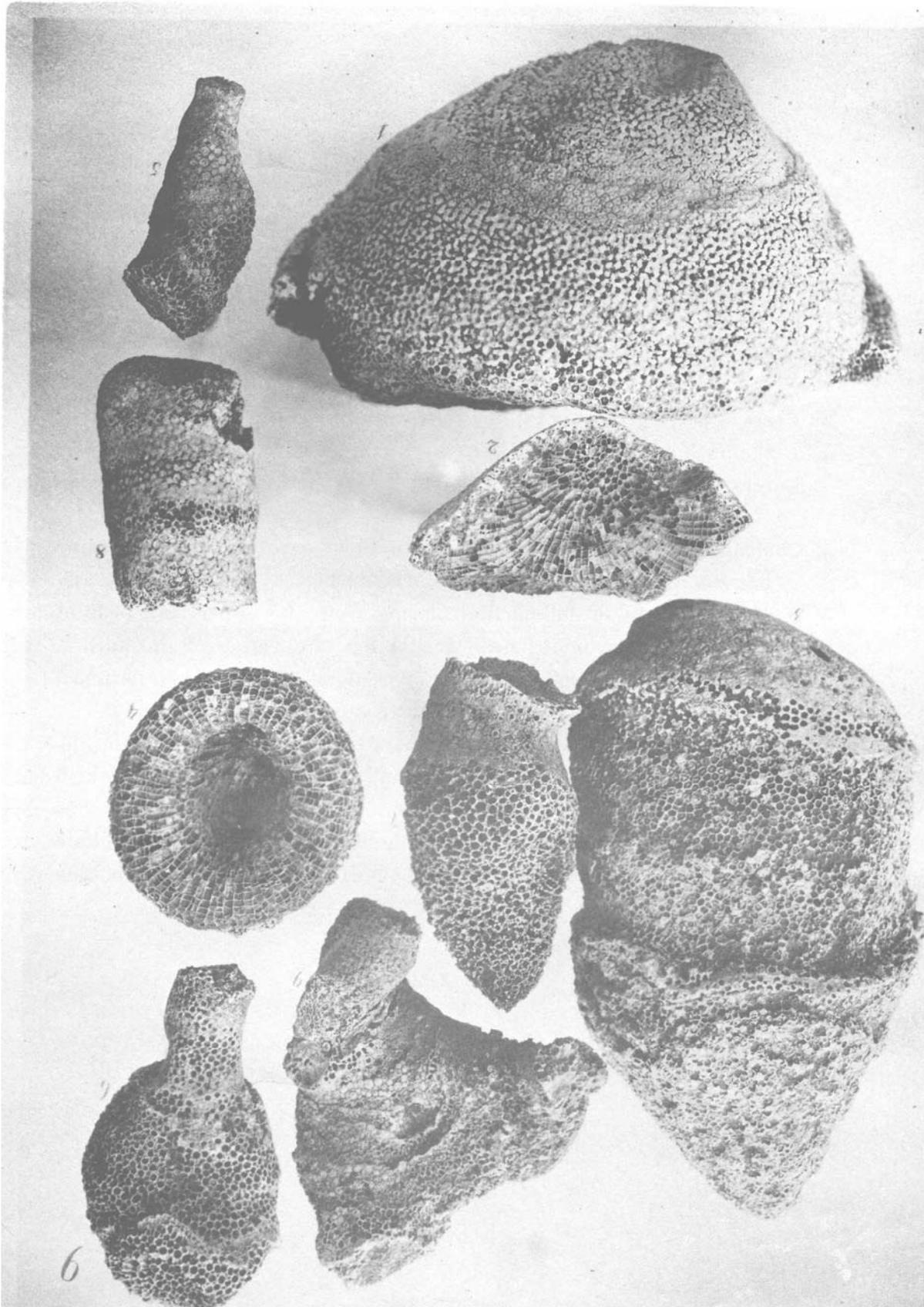


PLATE 12.

FAVOSITES EPIDERMATUS.

Devonian.

1. Upper surface of a corallum from the ferruginous clay of the Middle Devonian, near Louisville. Collection of the author.

FAVOSITES RADIATUS.

Devonian.

2. Upper surface of a corallum from the Lower Devonian strata, Falls of the Ohio. Collection of the author.

FAVOSITES EMMONSI.

Devonian.

3. Lateral view of a corallum from the Lower Devonian, Falls of the Ohio. Collection of the author.
4. Upper surface of a corallum from the same horizon and locality. Collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 12.

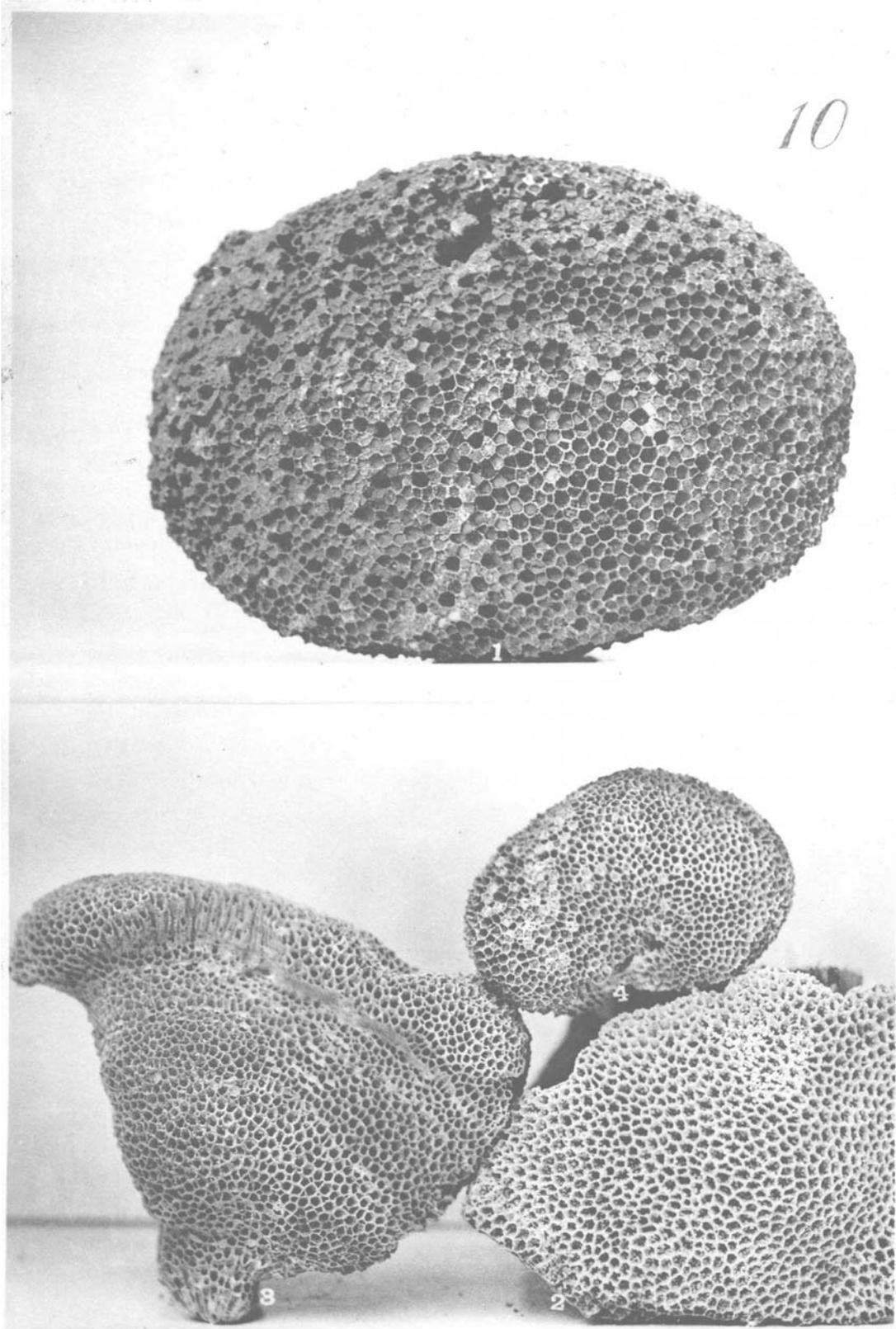


PLATE 13.

FAVOSITES RADIATUS.

Devonian.

Upper surface of a portion of a corallum, showing difference in size of the corallets; from the Lower Devonian, Falls of the Ohio. Collection of Mr. Gaines.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 13.

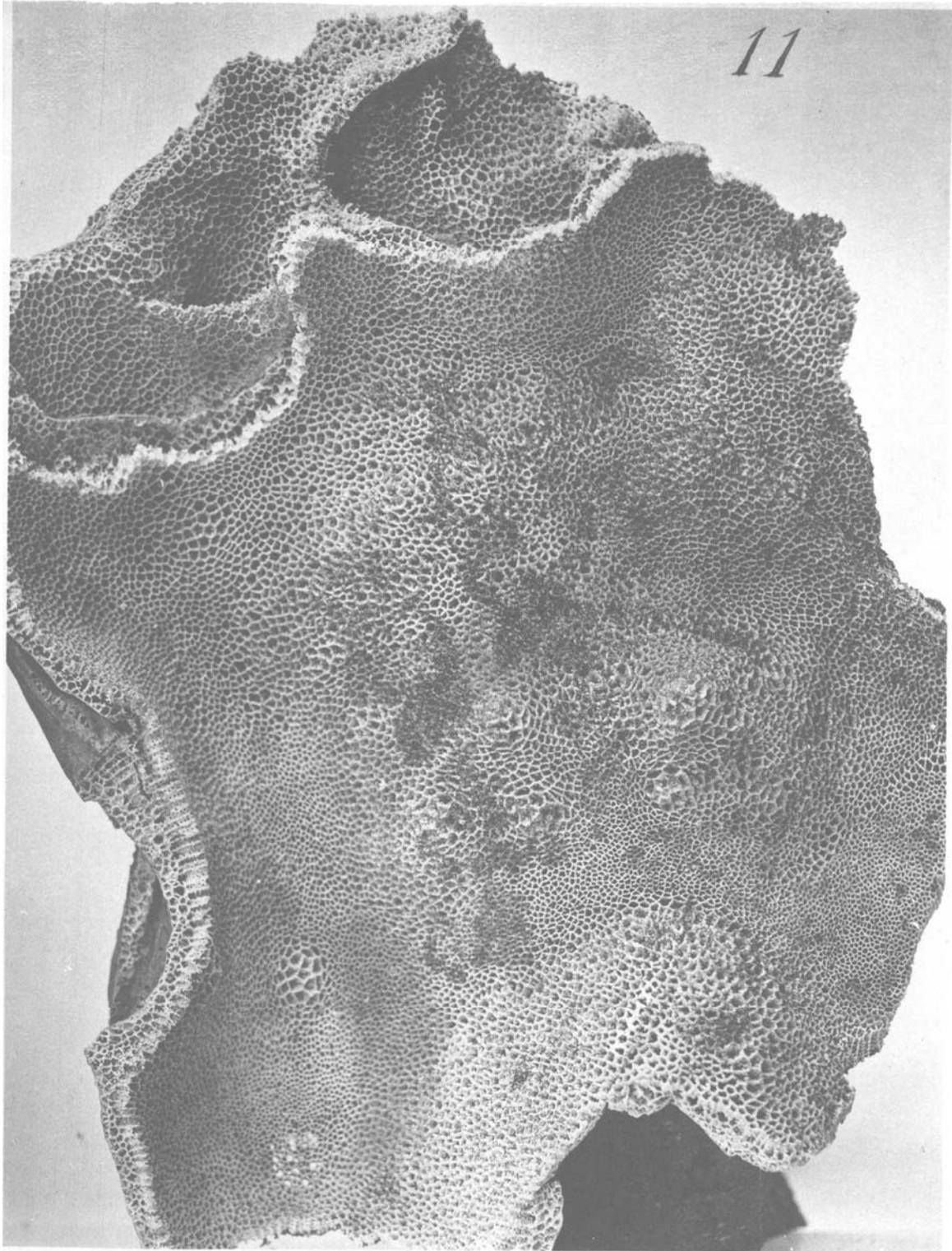


PLATE 14.

FAVOSITES PIRUM, Nov. Spec.

Devonian.

1. Lateral view of a corallum from the Middle Devonian, Falls of the Ohio.
Collection of the author.
2. Lateral view (prostrate) of a bacillate form from the same locality.
Collection of the author.

FAVOSITES PLACENTA.

Devonian.

3. Portion of a corallum from the dark red clay, derived from the encrinal limestone of the Upper Devonian, near Louisville. Collection of the author.

FAVOSITES ROTUNDITUBA, Nov. Spec.

Devonian.

4. Tipper surface of a corallum from the dark red clay of the Upper Devonian, underlying the shale beds, near Louisville. Collection of the author.

FAVOSITES MUNDUS, varietas PLACENTOIDEUS, Nov. Var. *Devonian.*

5. Upper surface of a corallum from the Lower Devonian, Falls of the Ohio.
Collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 14.

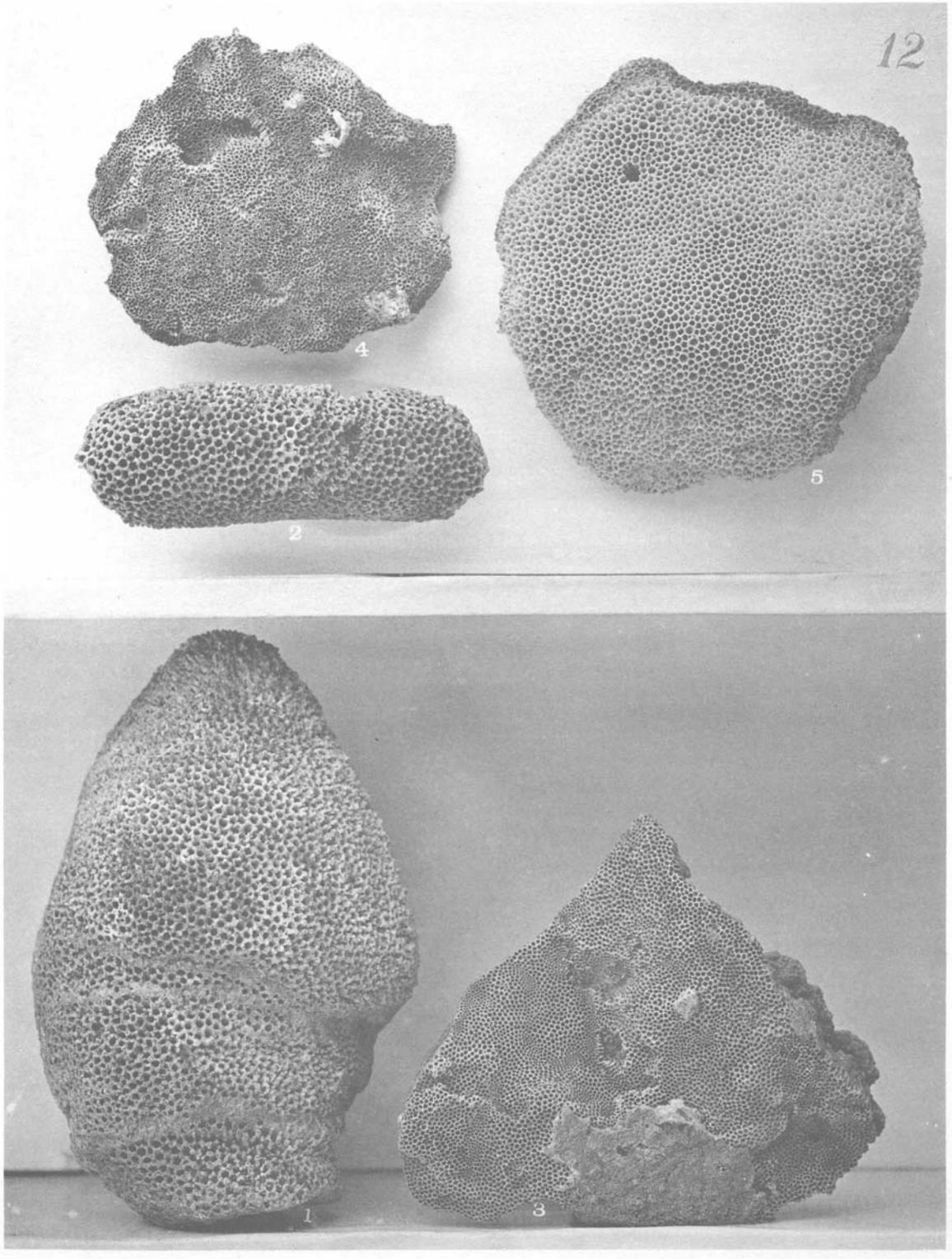


PLATE 15.

FAVOSITES PIRUM, Nov. Spec.

Devonian.

1. Lateral view of a corallum from the blue clay of the Middle Devonian, Falls of the Ohio. Collection of the author.
2. Lateral view of a corallum from the same locality, showing a portion of the epitheated under surface and some of the corallets in longitudinal section. Collection of the author.
3. View of the epitheated under surface of a corallum; also showing the squamous walls of the corallets; from the ferruginous red clay of the Middle Devonian, near Louisville. Collection of the author.

FAVOSITES PROXIMUS, Nov. Spec.

Devonian.

4. Lateral view (inverted) of a corallum from the Lower Devonian, Falls of the Ohio. Collection of the author.
5. Lateral view of a flexuous form from the same locality. Collection of the author.
6. Lateral view of a sub-ramous corallum from the same locality. Collection of the author.

FAVOSITES SPICULATUS, Nov. Spec.

Devonian.

7. Upper surface of a corallum from the Lower Devonian, Falls of the Ohio. Collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 15.

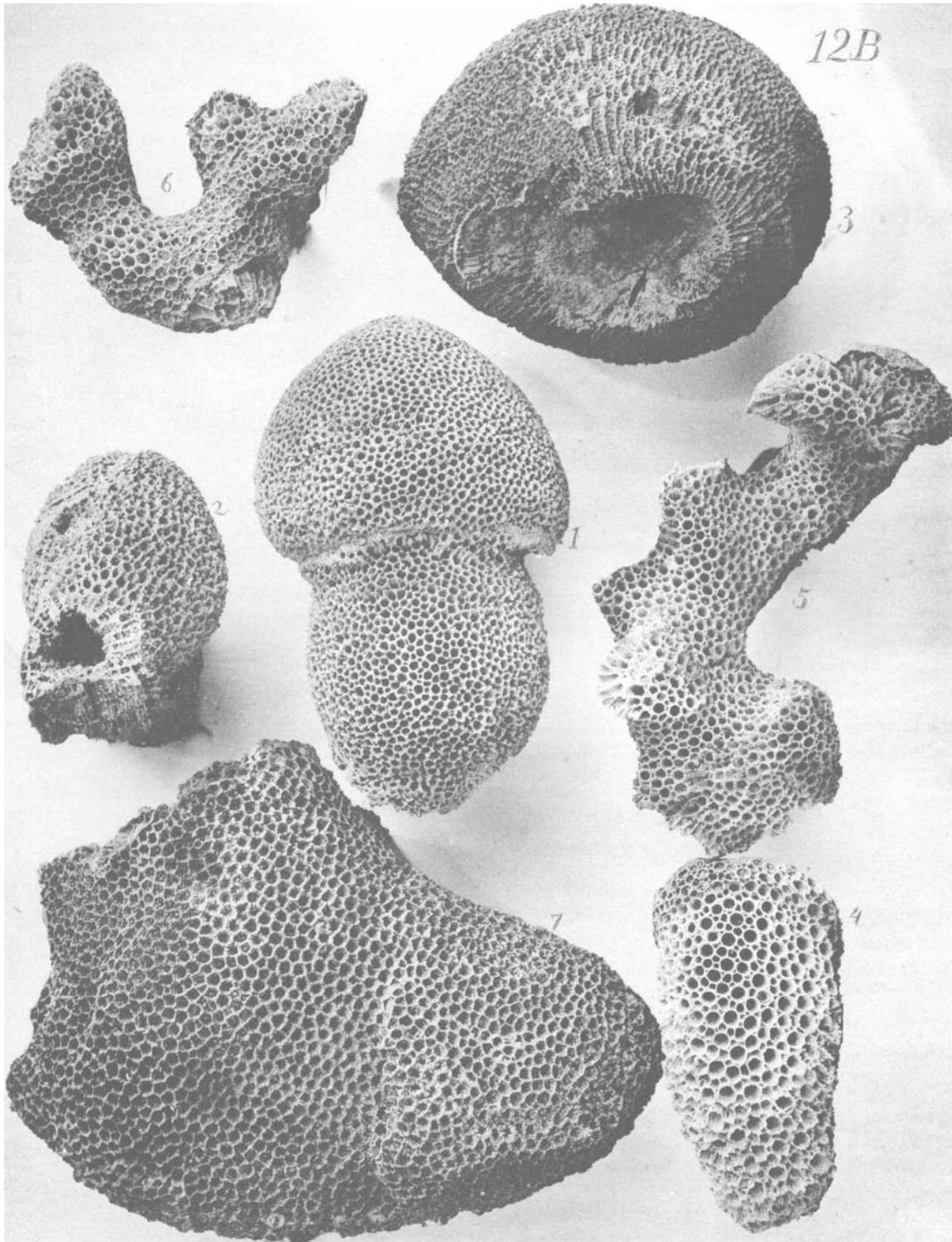


PLATE 16.

FAVOSITES TUBEROSUS.

Devonian.

1. Lateral view (prostrate) of a corallum of typical shape from the Lower Devonian, Falls of the Ohio. Collection of the author.
2. Similar view of a corallum from the same locality and horizon, showing opercula closing the orifices of some of the corallets. Collection of Mr. Gaines.
3. Lateral view of upper portion of a specimen from the ferruginous clay of the Lower Devonian, near Louisville. Collection of the author.

FAVOSITES OCELLATUS, Nov. Spec.

Devonian.

4. Lateral view (prostrate) of a corallum from the upper strata of the Lower Devonian, near Louisville. Collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 16.

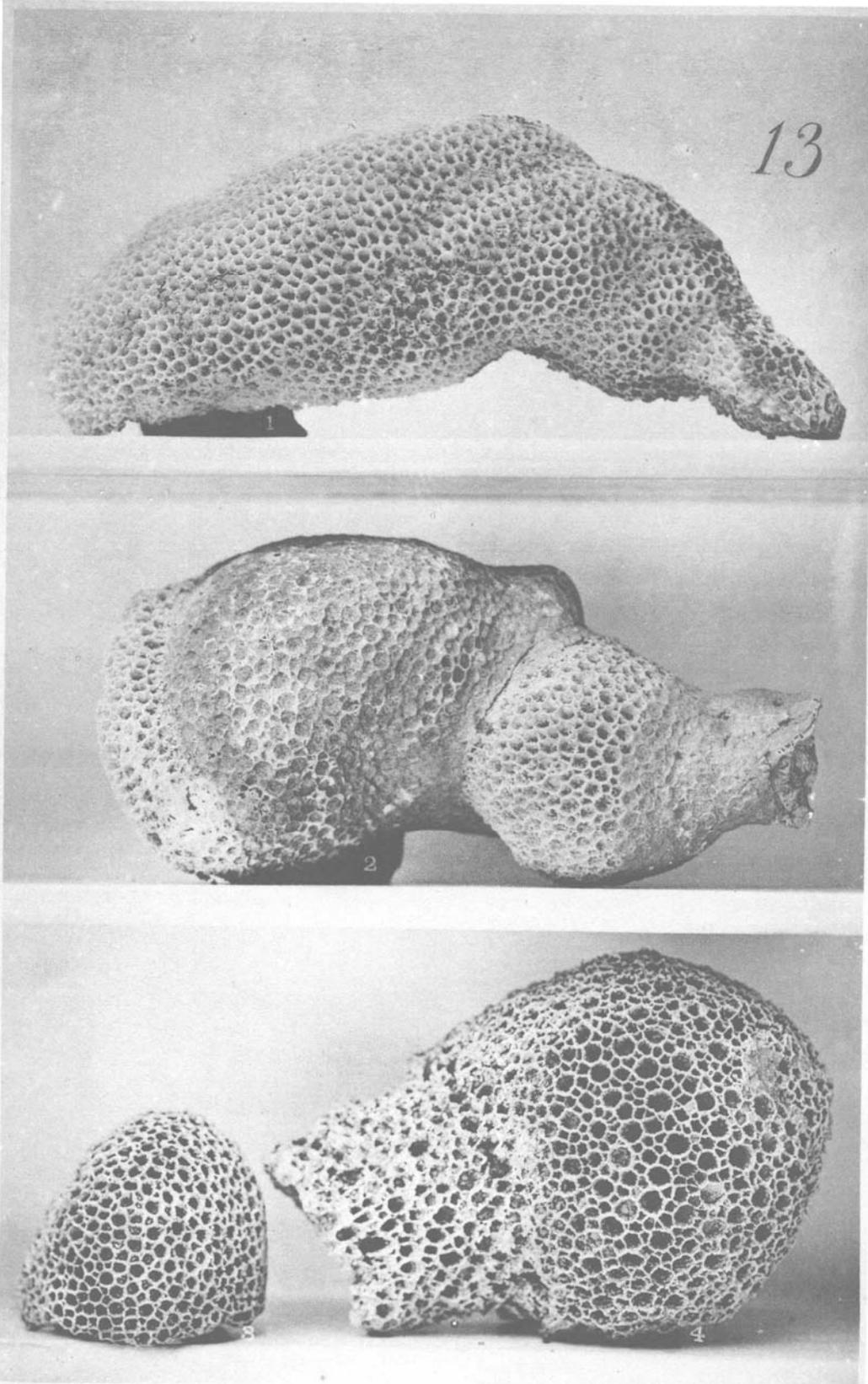


PLATE 17.

FAVOSITES AMPLISSIMUS, Nov. Spec.

Devonian.

1. Upper surface of a corallum from the ferruginous clay of the Lower Devonian, near Louisville. Collection of Mr. Nettelroth.
2. View of a portion of the under surface of a corallum from the Lower Devonian, Falls of the Ohio. Collection of the author.
3. Upper surface of a corallum from the Lower Devonian, Falls of the Ohio. Collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 17.

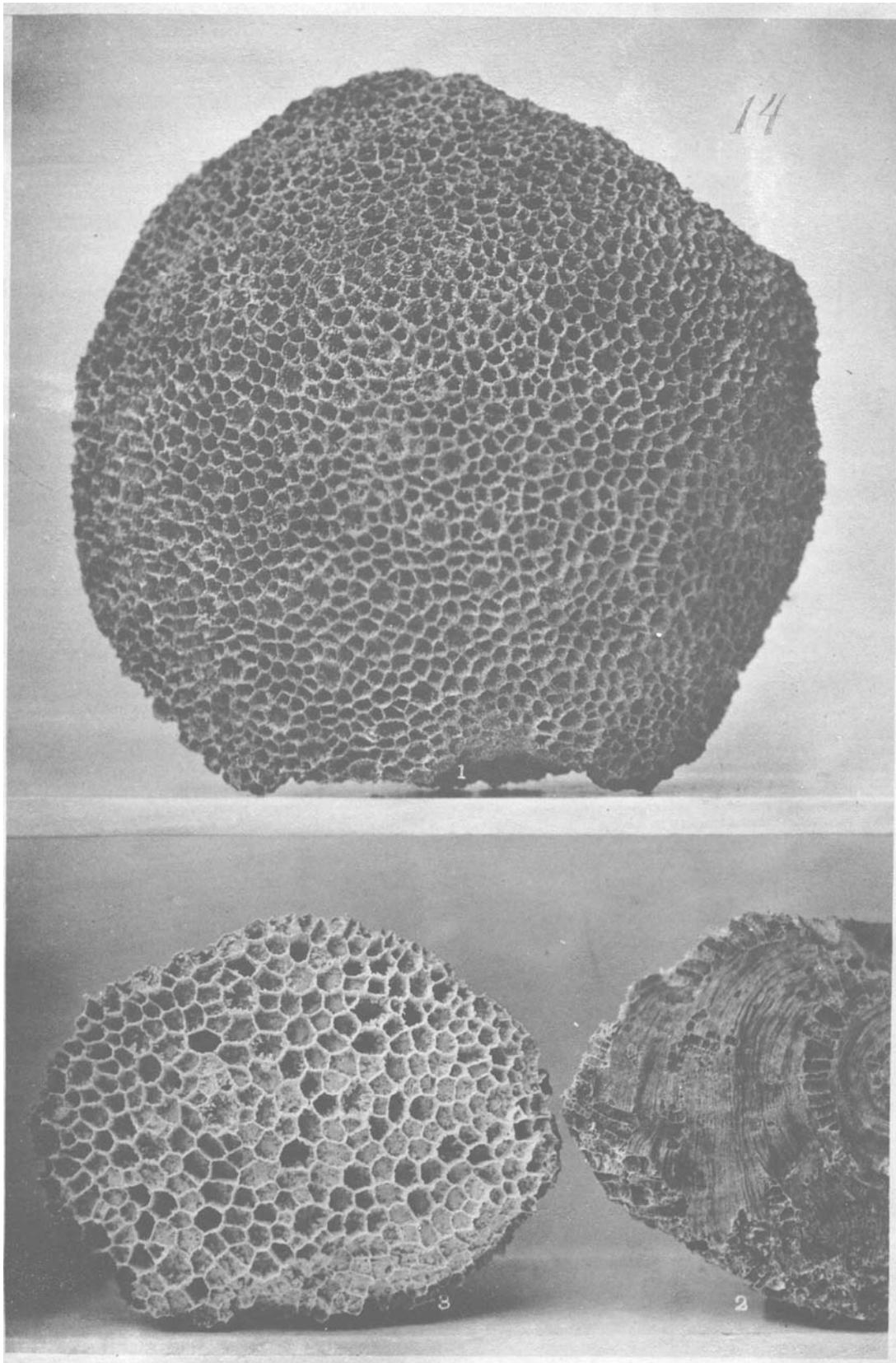


PLATE 18.

FAVOSITES QUERCUS, Nov. Spec.

Devonian.

Lateral view of a corallum from the Lower Devonian strata, Falls of the Ohio. Collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 18.



PLATE 19.

FAVOSITES QUERCUS, Nov. Spec.

Devonian.

1. Lateral view of a corallum of medium size from the Lower Devonian, Falls of the Ohio. Collection of the author.

FAVOSITES RAMULOSUS, Nov. Spec.

Devonian.

2. Views of two fronds from the upper portion of coralla from the Lower Devonian, Falls of the Ohio. Collection of the author.

FAVOSITES TUBEROSUS.

Devonian.

3. Lateral view of a corallum of bacillate shape from the upper strata of the Lower Devonian, Falls of the Ohio. Collection of Mr. Nettelroth.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 19.

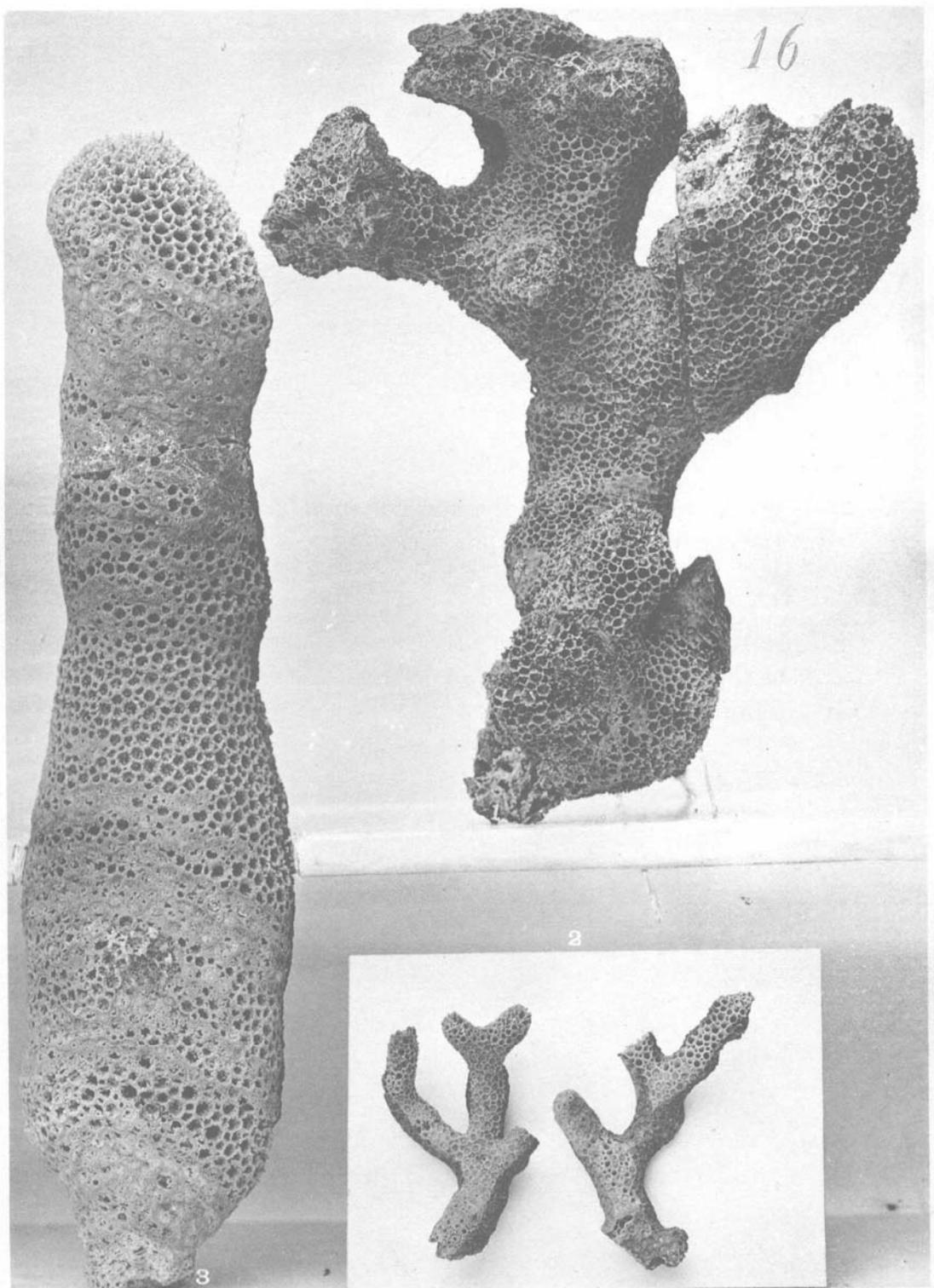


PLATE 20.

FAVOSITES RADICIFORMIS.

Devonian.

1. Lateral view of a corallum, whose older corallets have their tubes closed by opercula; from the Lower Devonian, Falls of the Ohio. Collection of the author.
2. Lateral view (prostrate) of a corallum, split at the upper end so as to show a longitudinal section of the corallets; from the same horizon and locality. Collection of the author.
3. Lateral view of a jejune frond; corallets extraordinarily small; horizon two feet above that of examples 1 and 2; Falls of the Ohio. Collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 20.

