

PLATE 51.

CLADOPORA DENTATA, Nov. Spec.

*Devonian.*

1. Under surface of basal expansion and rear lateral view of portions of fronds of a corallum from the Lower Devonian, Falls of the Ohio. Collection of Dr. Knapp.

CLADOPORA FRANCISCI, Nov. Spec.

*Devonian.*

2. Front Lateral view of fragment from the Lower Devonian, Falls of the Ohio. Collection of Dr. Knapp.

STRIATOPORA HURONENSIS.

*Niagara.*

3. Fragment imperfectly freed from the matrix; from the Upper Niagara white clay, near Louisville. Collection of Dr. Knapp.

ERIDOPHYLLUM SENTUM, Nov. Spec.

*Niagara.*

4. Lateral view of a fragment from the ferruginous clay of the Upper Niagara, near Louisville. Collection of Dr. Knapp.

LYELLIA PUELLA, Nov. Spec.

*Niagara.*

5. Upper surface of a corallum from the Upper Niagara white clay, near Louisville. Collection of Dr. Knapp.

NICHOLSONIA (Nov. Gen.) CANADENSIS.

*Devonian.*

6. Corallum incrusting *Spirifera oweni*, from the red clay of the Middle Devonian, near Louisville. Collection of Dr. Knapp.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 51.

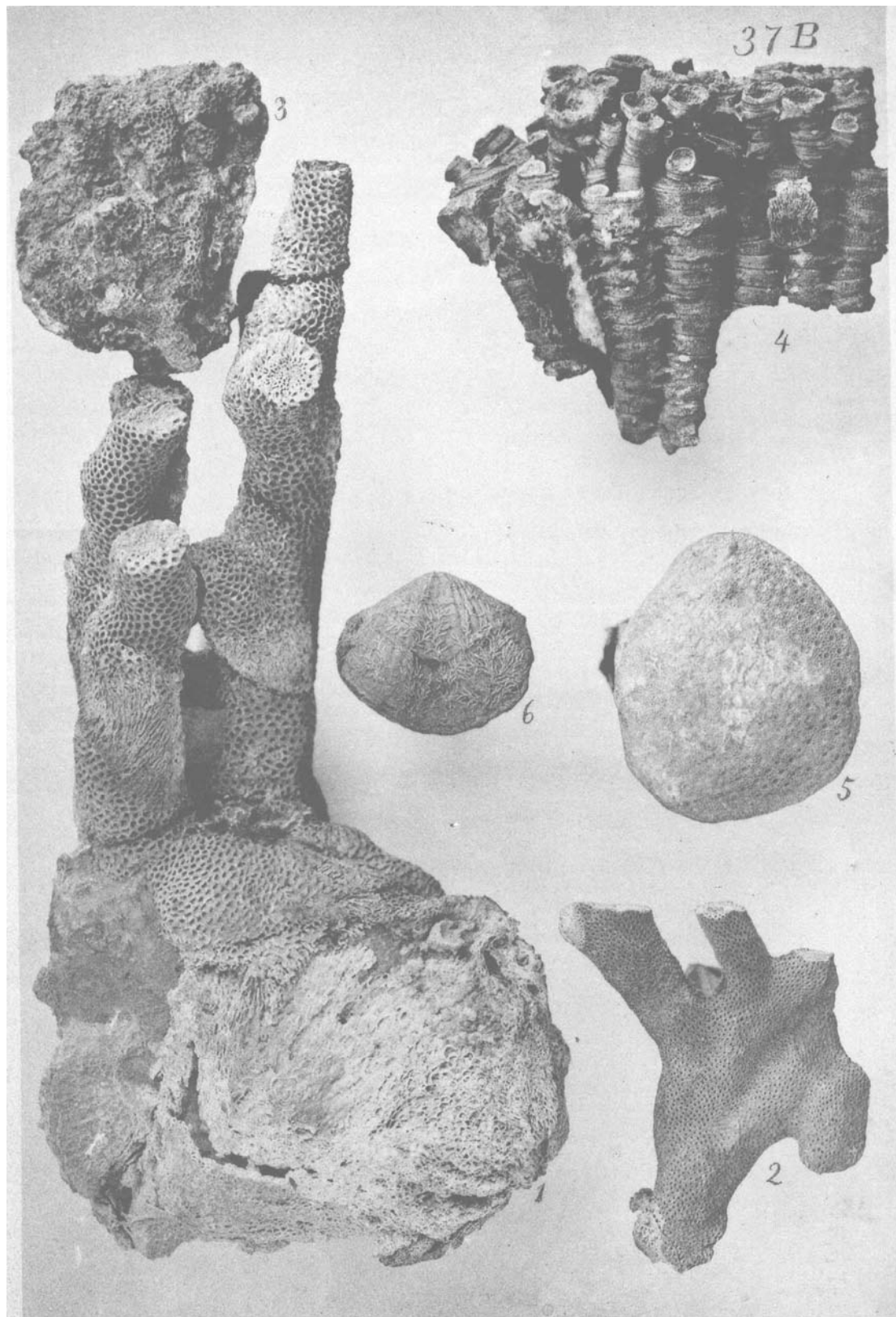


PLATE 52.

CLADOPORA BIFURCA, Nov. Spec. *Devonian.*

1. Portion of a corallum investing Favosites ramulosus, from the Lower Devonian, Falls of the Ohio. Collection of the author.

CLADOPORA CRYPTODENS. *Devonian.*

2. Dichotomously branching example, from the Lower Devonian, Falls of the Ohio. Collection of the author.
3. Frond (inverted) from the same horizon and locality. Collection of the author.
4. Fragment from the ferruginous clay of the Lower Devonian, near Louisville. Collection of the author.

CLADOPORA BILLINGSI. *Devonian.*

5. Fragment (inverted) from the Lower Devonian clay, near Louisville. Collection of the author.

CLADOPORA ALPENENSIS. *Devonian.*

6. Fragment from the horizon and place of example 5.

CLADOPORA ACUPICTA, Nov. Spec. *Devonian.*

7. 8. Portions of fronds from the Lower Devonian, Falls of the Ohio. Collection of the author.

CLADOPORA DESQUAMATA, Nov. Spec. *Devonian.*

9. Portion of a corallum with its pedicle attached to the interior of the calyx of Zaphrentis ungula, from the Lower Devonian, Falls of the Ohio. Collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 52.

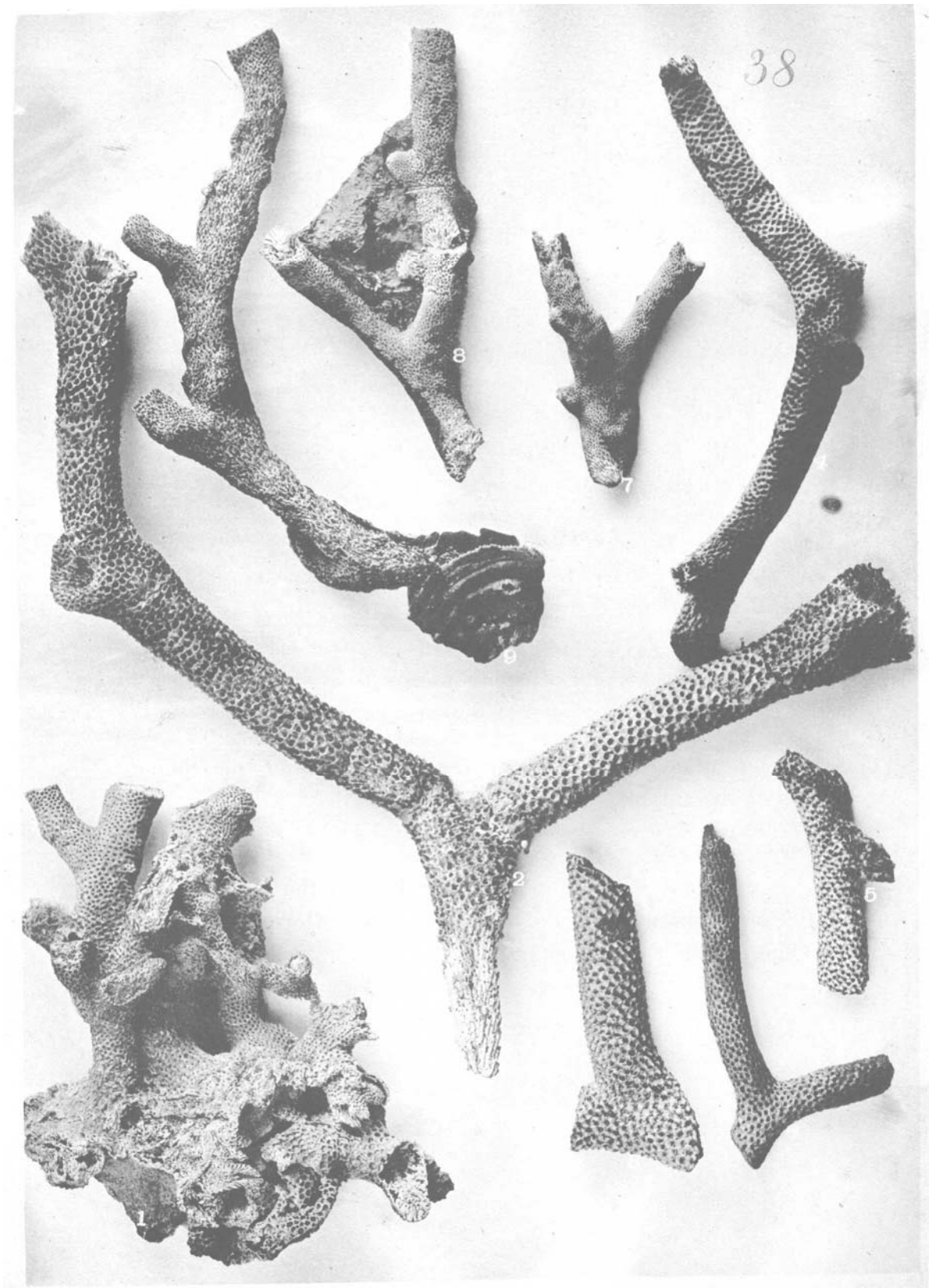


PLATE 53.

CLADOPORA IMBRICATA.      *Devonian.*

1. 2. 3. Fronds of different sizes and modes of growth.

4. Pedicle of a corallum from which fronds are beginning to spring.

The examples are from the Lower Devonian, Falls of the Ohio, and belong to the collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 53.



PLATE 54.

CLADOPORA PINGUIS.

*Devonian.*

1. Front lateral view of a corallum from the Lower Devonian, Falls of the Ohio.
2. Basal expansion with portions of fronds, from the red clay of the Middle Devonian, near Louisville.
3. Basal expansion with portions of fronds, from the encrinal limestone dark red clay of the Upper Devonian, near Louisville.

CLADOPORA ROEMERI.

*Devonian.*

4. 5. 6. Fragments found in the red clay of the Lower Devonian, near Louisville.

The examples figured in this Plate belong to the collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 54.

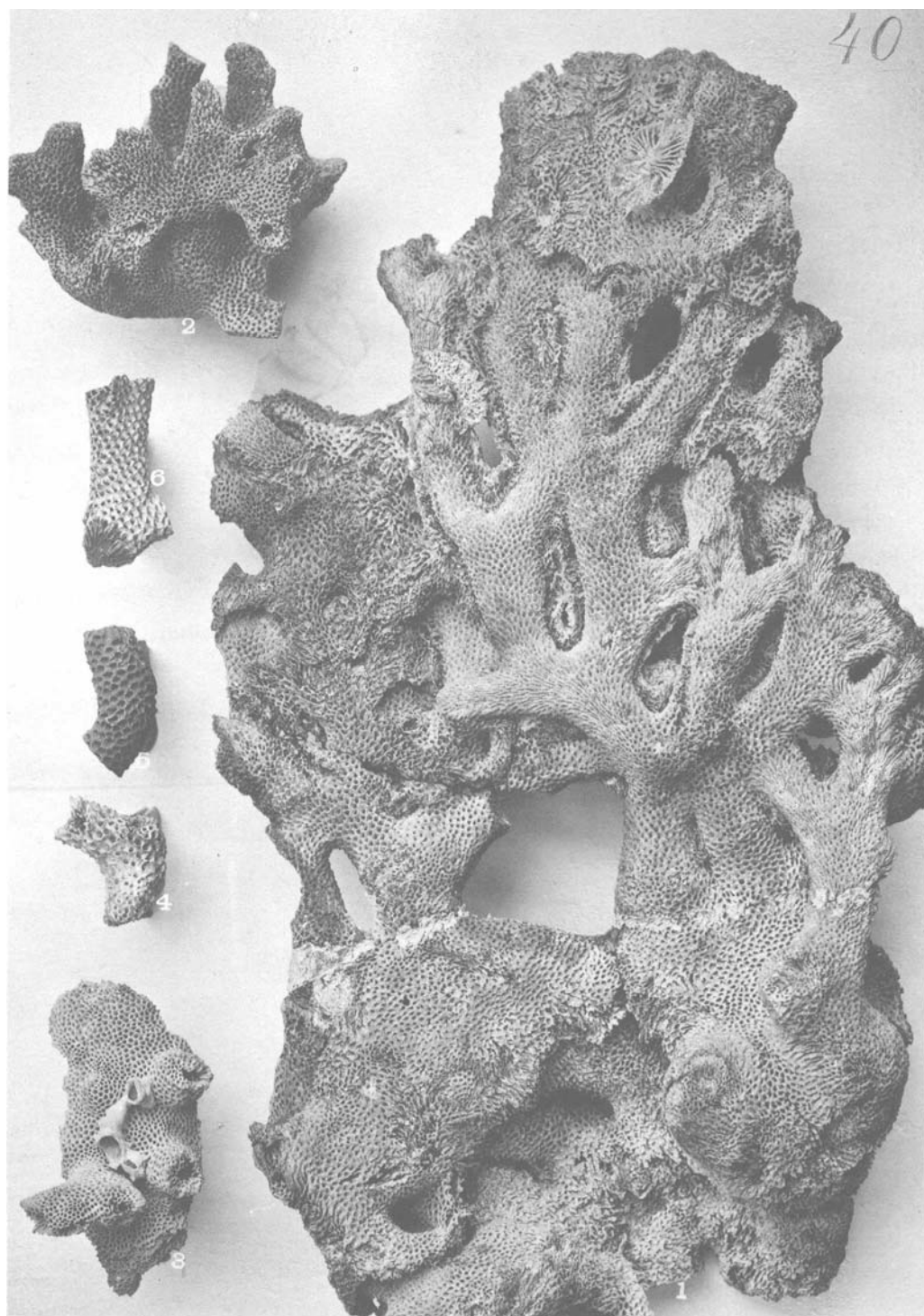




PLATE 55.

CLADOPORA PINGUIS.

*Devonian.*

1. Front lateral view of a corallum from the Lower Devonian, Falls of the Ohio. Collection of Dr. Knapp.
2. Upper surface of a basal expansion, showing coralllets of different sizes; from the ferruginous clay of the Lower Devonian, near Louisville. Collection of the author.
3. Front lateral view of the pedicle with portions of fronds, showing differently sized coralllets; from the horizon and neighborhood of example 2. Collection of the author.

CLADOPORA ROEMERI.

*Devonian.*

4. Fragment from the Lower Devonian red clay, near Louisville. Collection of Dr. Knapp.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 55.

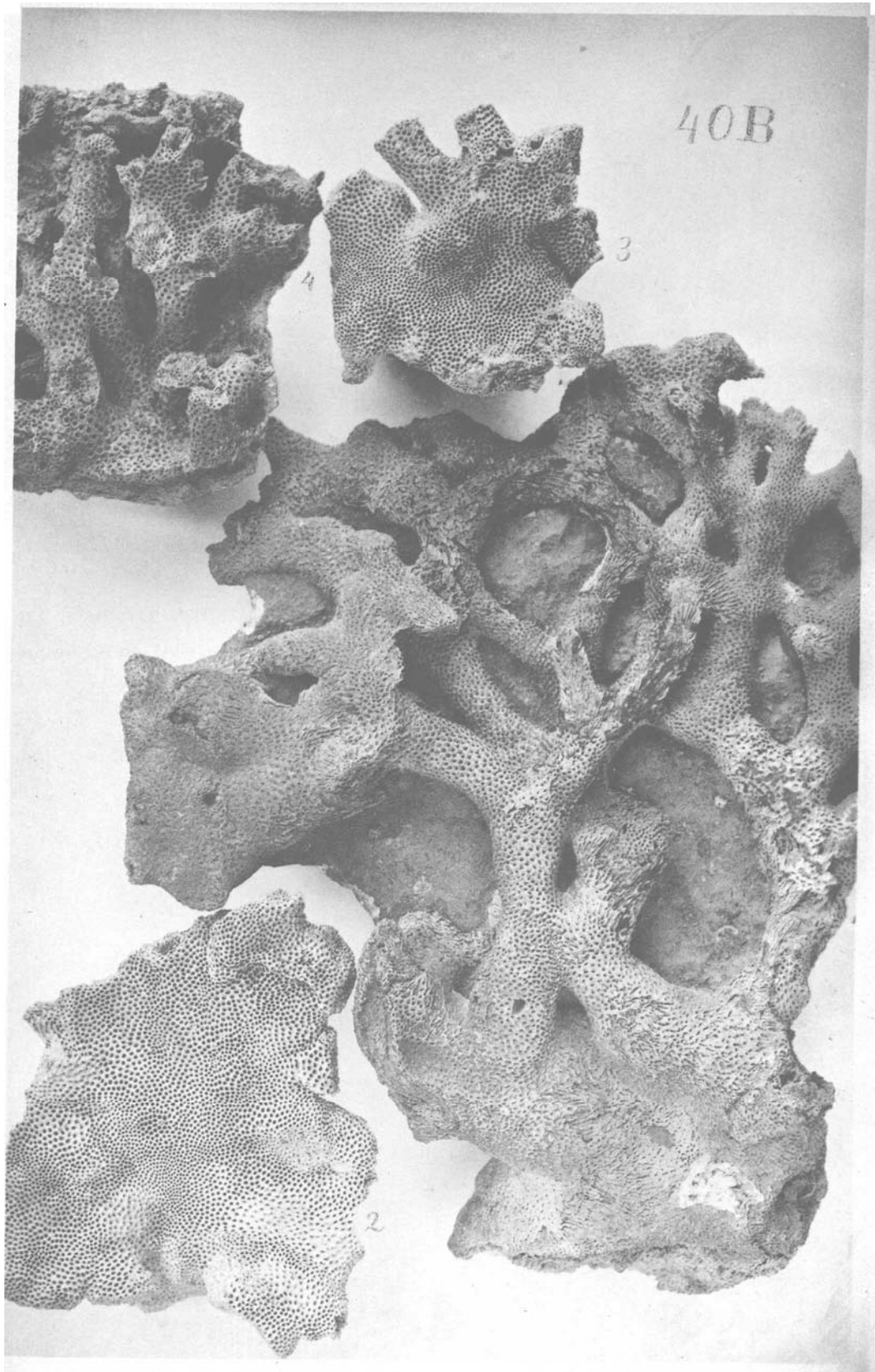


PLATE 56.

CLADOPORA ROEMERI.

*Devonian.*

1. Corallum (prostrate) partly imbedded in its matrix; from the Lower Devonian strata, Falls of the Ohio. Collection of the author.

CLADOPORA BIFURCA, Nov. Spec.

*Devonian.*

2. Upper fronds of a corallum partly imbedded in its rock matrix; from the Lower Devonian, Falls of the Ohio. Collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 56.

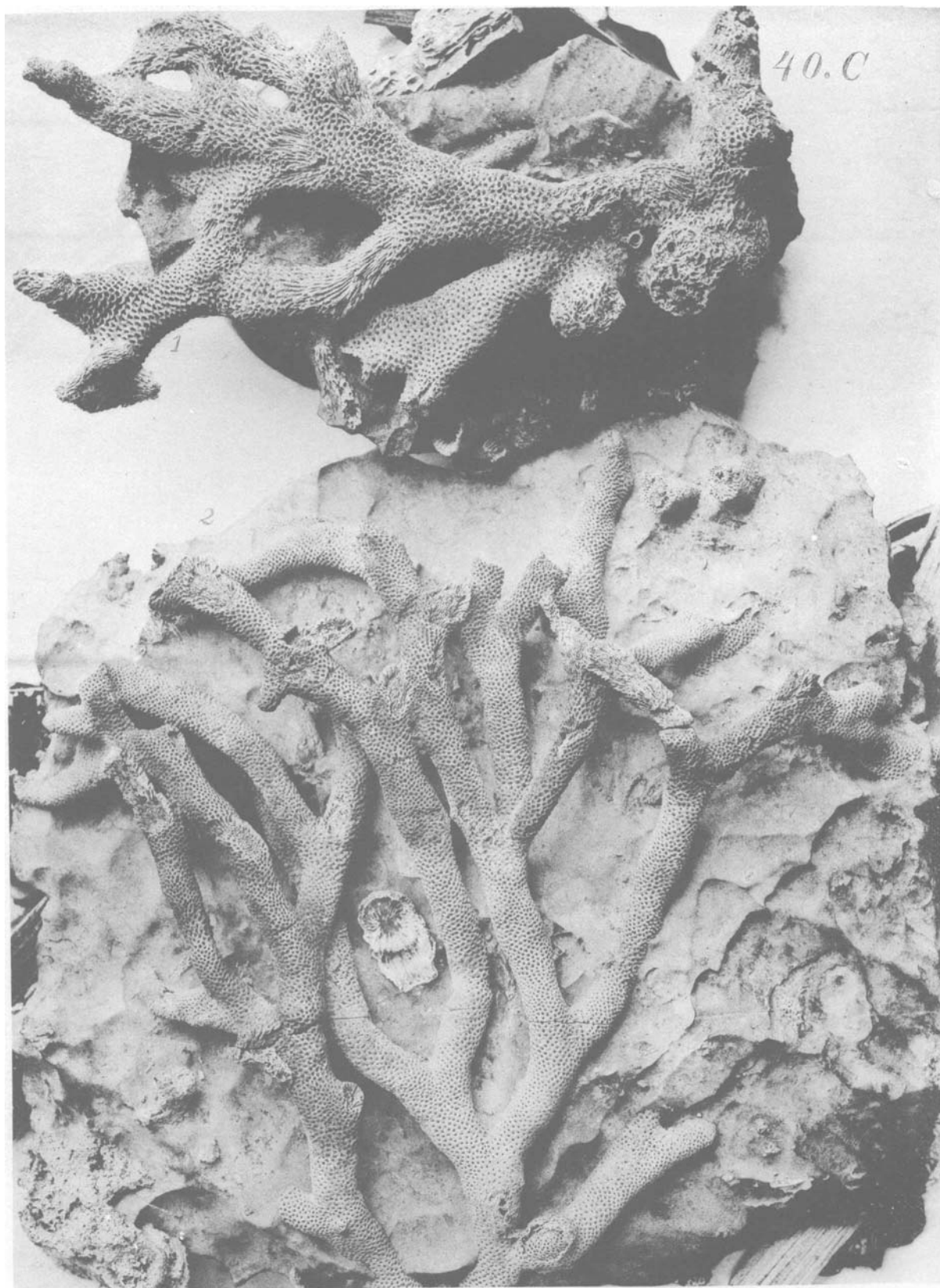


PLATE 57.

CLADOPORA TELA, Nov. Spec.

*Devonian.*

1. Front lateral view of a portion of the base and fronds of a nearly perfect corallum, from the Middle Devonian rocks, Falls of the Ohio. Collection of the author.

CLADOPORA FIBRATA, Nov. Spec.

*Devonian.*

2. Front lateral view of the reticulating fronds of a fragment, from the Lower Devonian, Falls of the Ohio. Collection of the author.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 57.

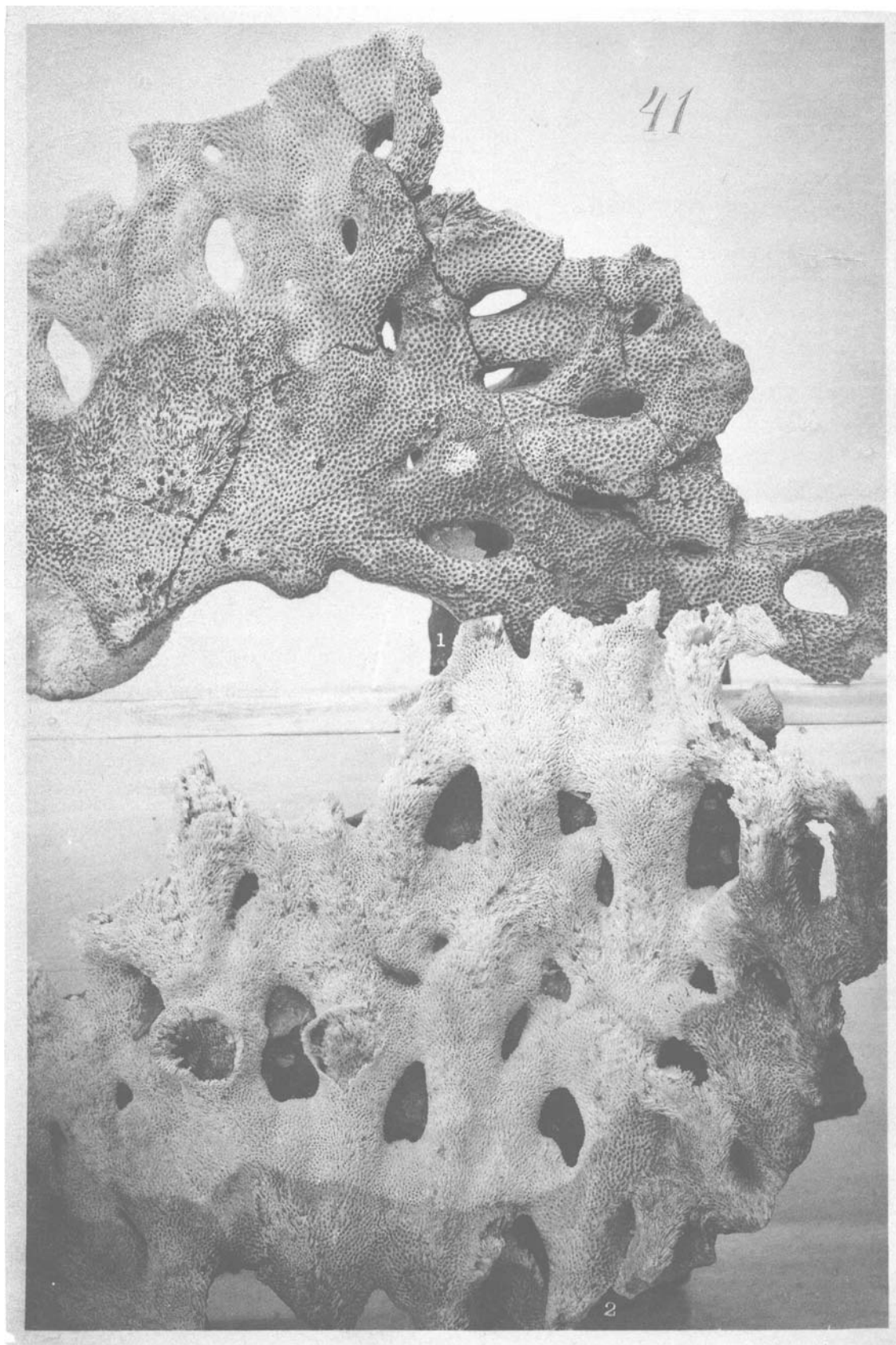


PLATE 58.

CLADOPORA RADULA, Nov. Spec.

*Devonian.*

1. (Upper specimen.) Front Lateral view of a corallum, pedicle wanting, invested by *Stromatopora texilis*; from the Lower Devonian, Falls of the Ohio. Collection of the author.

CLADOPORA ROBUSTA.

*Devonian.*

2. Front lateral view (prostrate) of a frond from the Lower Devonian, Falls of the Ohio. Collection of the author.

CLADOPORA ACUPECTA, Nov. spec.

*Devonian.*

3. (Lower specimen.) Fronds (inverted) partly imbedded in rock matrix. Projecting from the matrix, in the lower right corner, are the terminal branches of a frond of *Favosites ramulosus*. A calyx of *Ptychophyllum coniferum* appears in the same matrix. From the Lower Devonian, Falls of the Ohio. Collection of the author.



KENTUCKY GEOLOGICAL SURVEY.

PLATE 58.

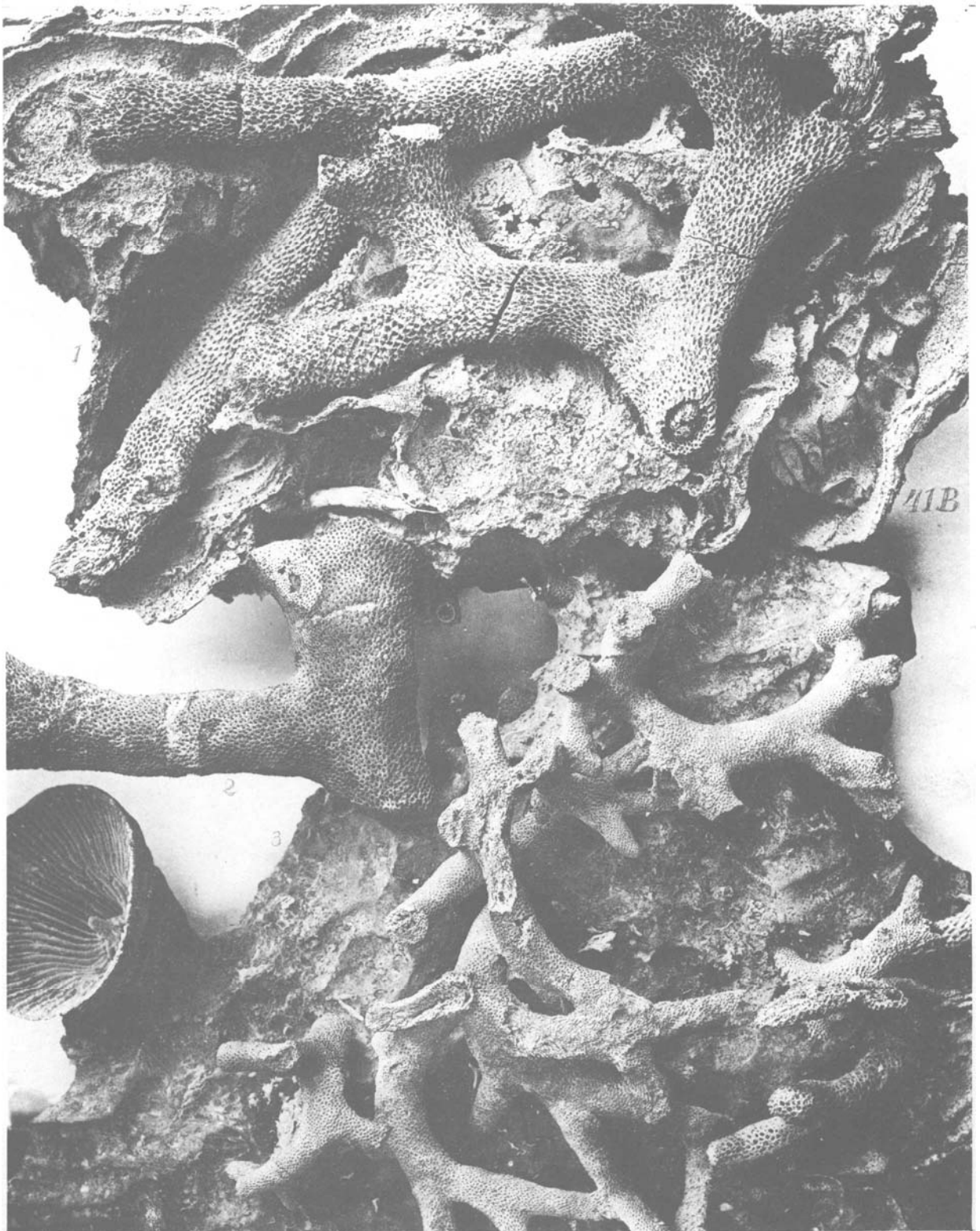




PLATE 59.

CLADOPORA RIMOSA.

*Devonian.*

1. Front lateral view of a corallum commensally attached to *Stromatopora texilis*; from the manganese limestone of the Lower Devonian, Falls of the Ohio. Collection of the author.
2. Fragment from the blue clay of the Middle Devonian, Falls of the Ohio. Collection of the author.
3. (Upper central specimen.) Pedicle with parts of fronds from the red clay of the Middle Devonian, near Louisville. Collection of the author.

CLADOPORA LABIOSA.

*Devonian.*

4. 5. (Specimens above and to the left of 3.) Fronds from the red clay of the Middle Devonian, near Louisville. Collection of the author.

CLADOPORA ALPENENSIS.

*Devonian.*

6. (Upper left corner.) Trichotomously ramous frond from the blue clay of the Middle Devonian, Falls of the Ohio. Collection of the author.

CLADOPORA PULCHRA.

*Devonian.*

7. (Lower specimen.) Fronds partly imbedded in rock matrix, from the Lower Devonian, Falls of the Ohio. Collection of Mr. McConathy.

KENTUCKY GEOLOGICAL SURVEY.

PLATE 59.

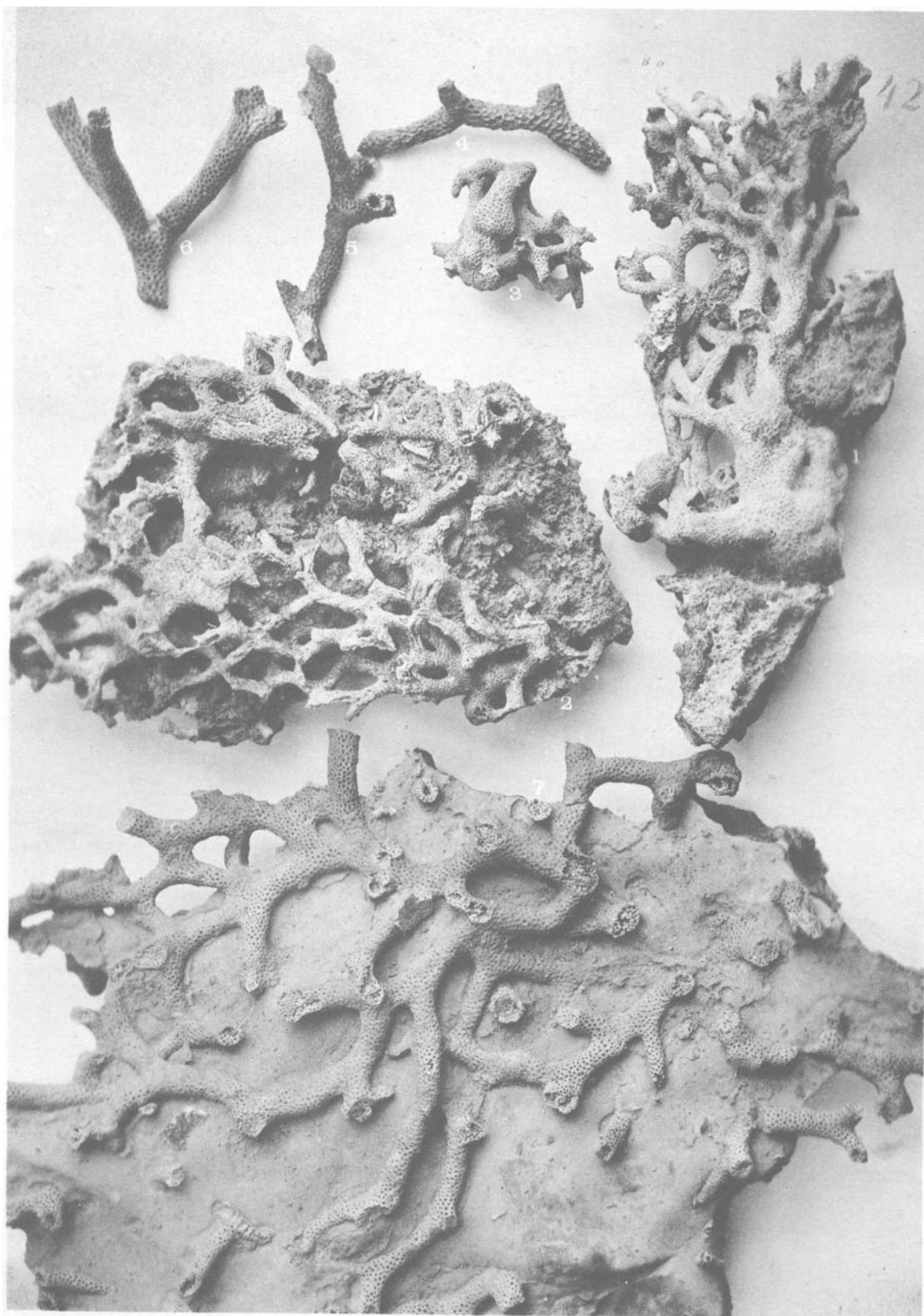


PLATE 60.

PLATYAXUM (Nov. Gen.) TURGIDUM. *Devonian.*

1. 2. Fragments showing front lateral views, from the Lower Devonian, Falls of the Ohio.

PLATYAXUM (Nov. Gen.) FISCHERI. *Devonian.*

3. Fragment showing front lateral view, from the Lower Devonian, Falls of the Ohio.

PLATYAXUM (Nov. Gen.) CANADENSE. *Devonian.*

4. Front lateral view of fragment from the Lower Devonian, Falls of the Ohio.
5. Rear lateral view of fragment from dark-red encrinal limestone clay of the Upper Devonian, near Louisville.

PLATYAXUM (Nov. Gen.) UNDOSUM, Nov. Spec. *Devonian.*

6. Front lateral view of a fragment from the Lower Devonian, Falls of the Ohio.

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

KENTUCKY GEOLOGICAL SURVEY.

PLATE 60.

