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## **Final report on the geology of Massachusetts**

III. Scientific Geology. IV. Elementary geology - with an appended catalogue of the specimens of rocks and minerals in the state collection

**Hitchcock, Edward**

**1841**

**ETH-Bibliothek Zürich**

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[Plates 15 - 55.]

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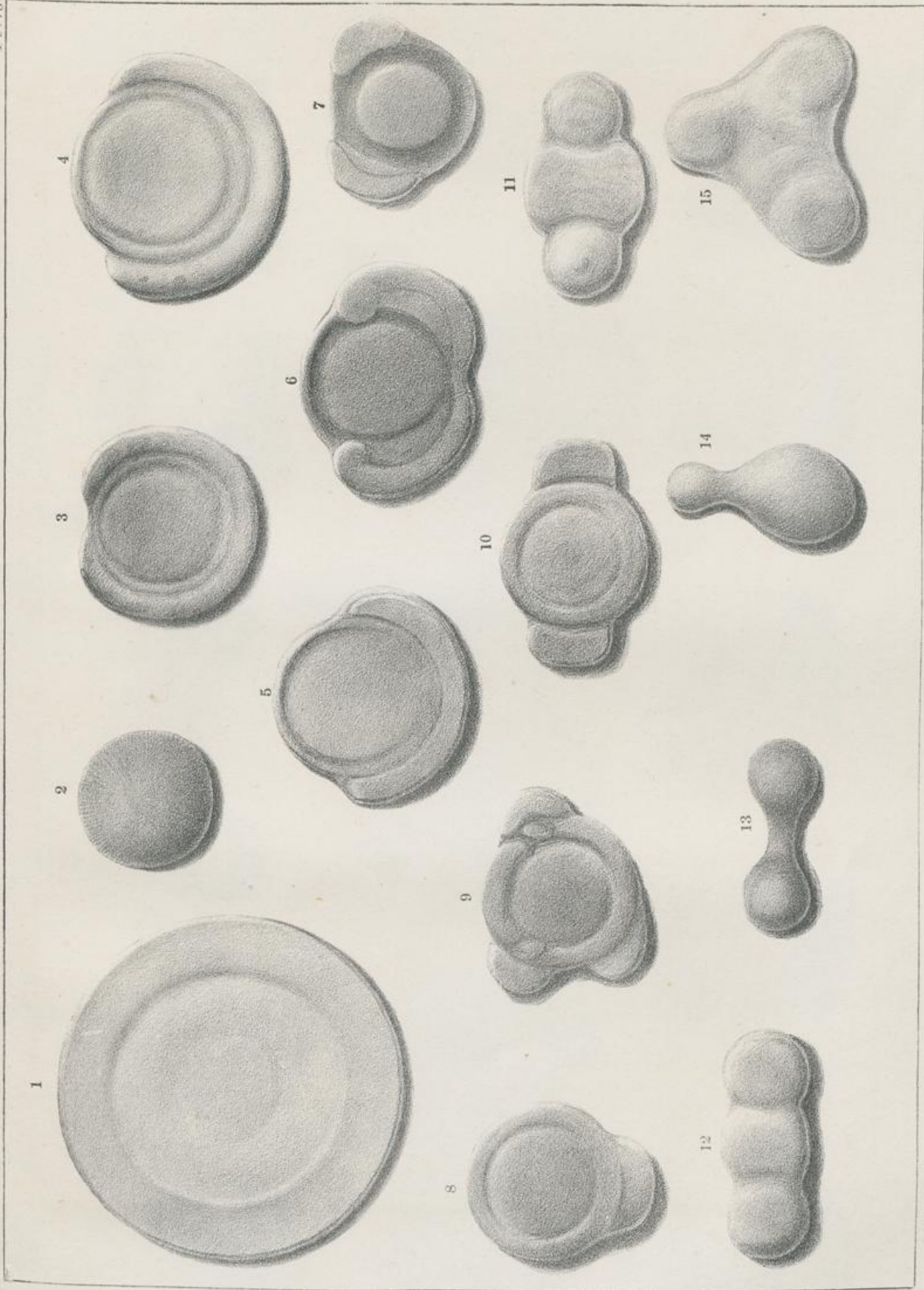
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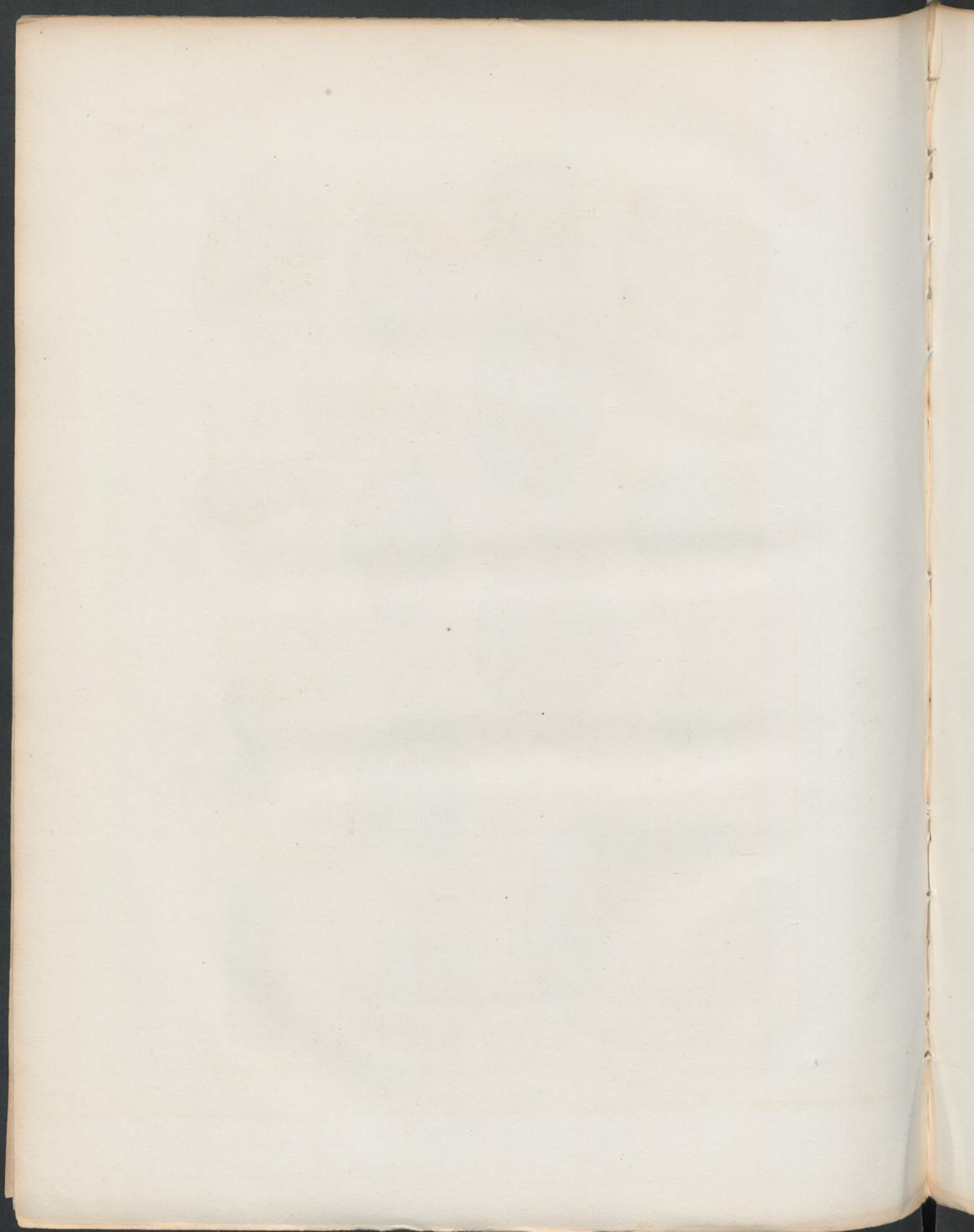
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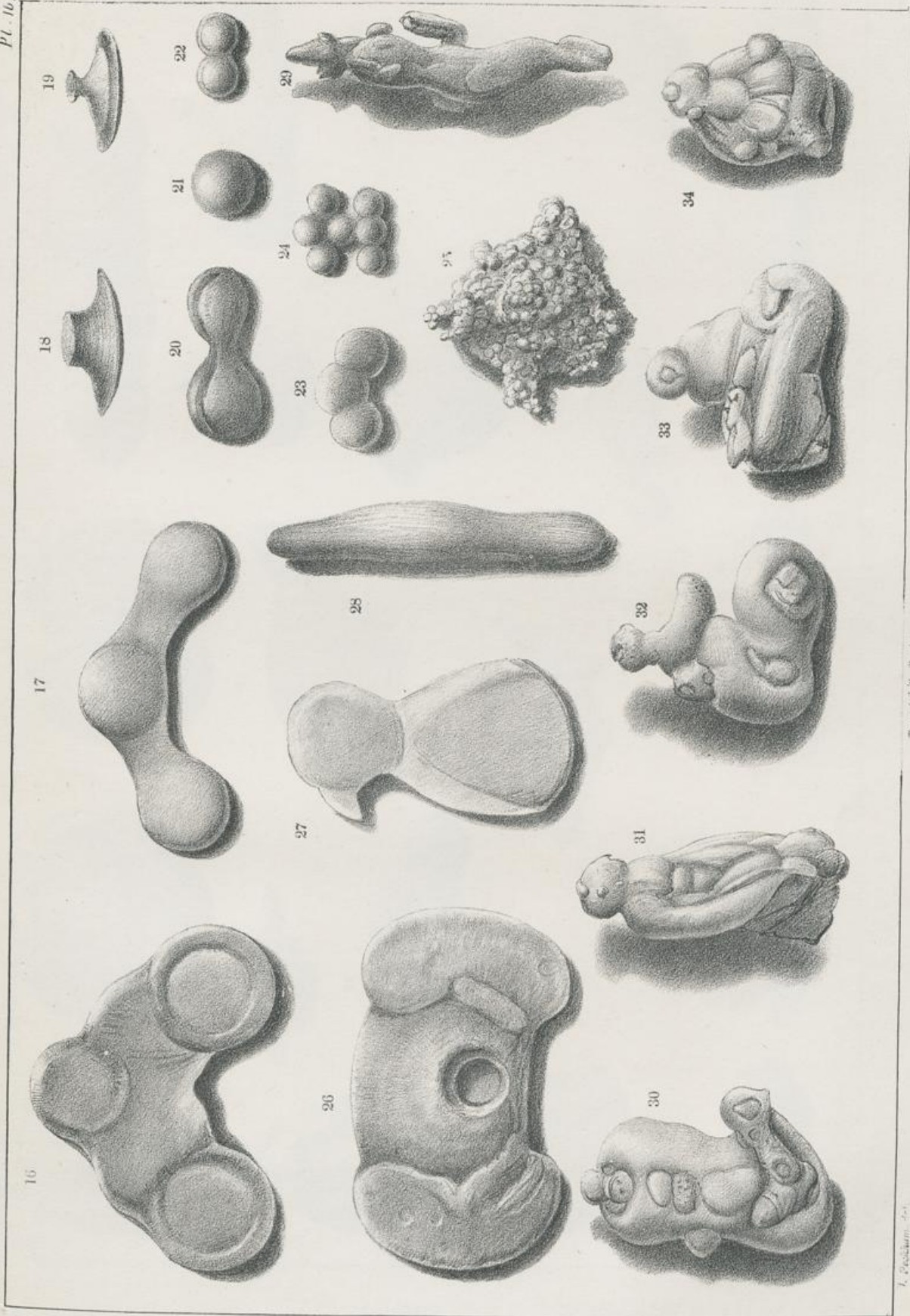


Dupuy's Lith. Harter.

CLAY STONES.

J. Peckham, del.

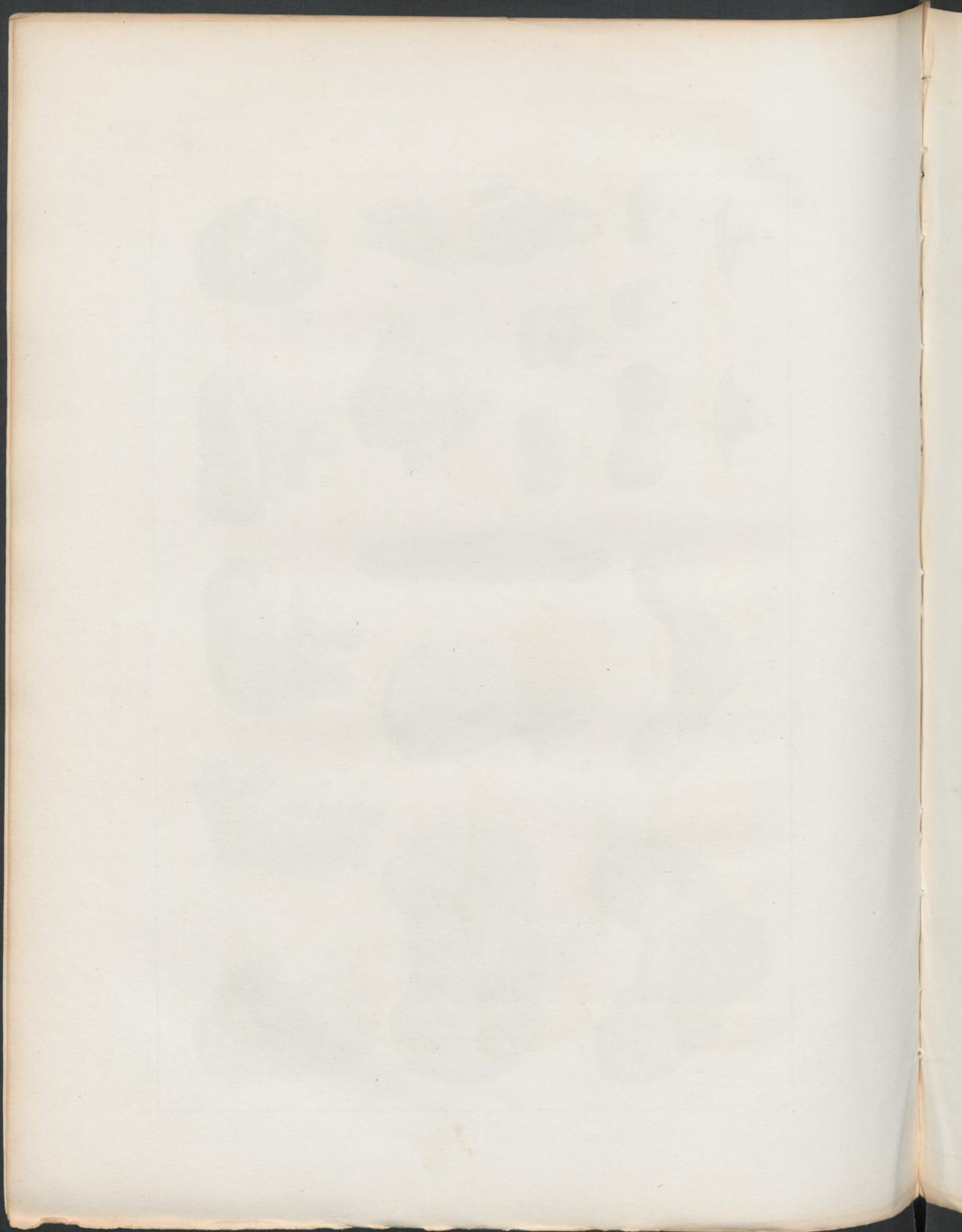


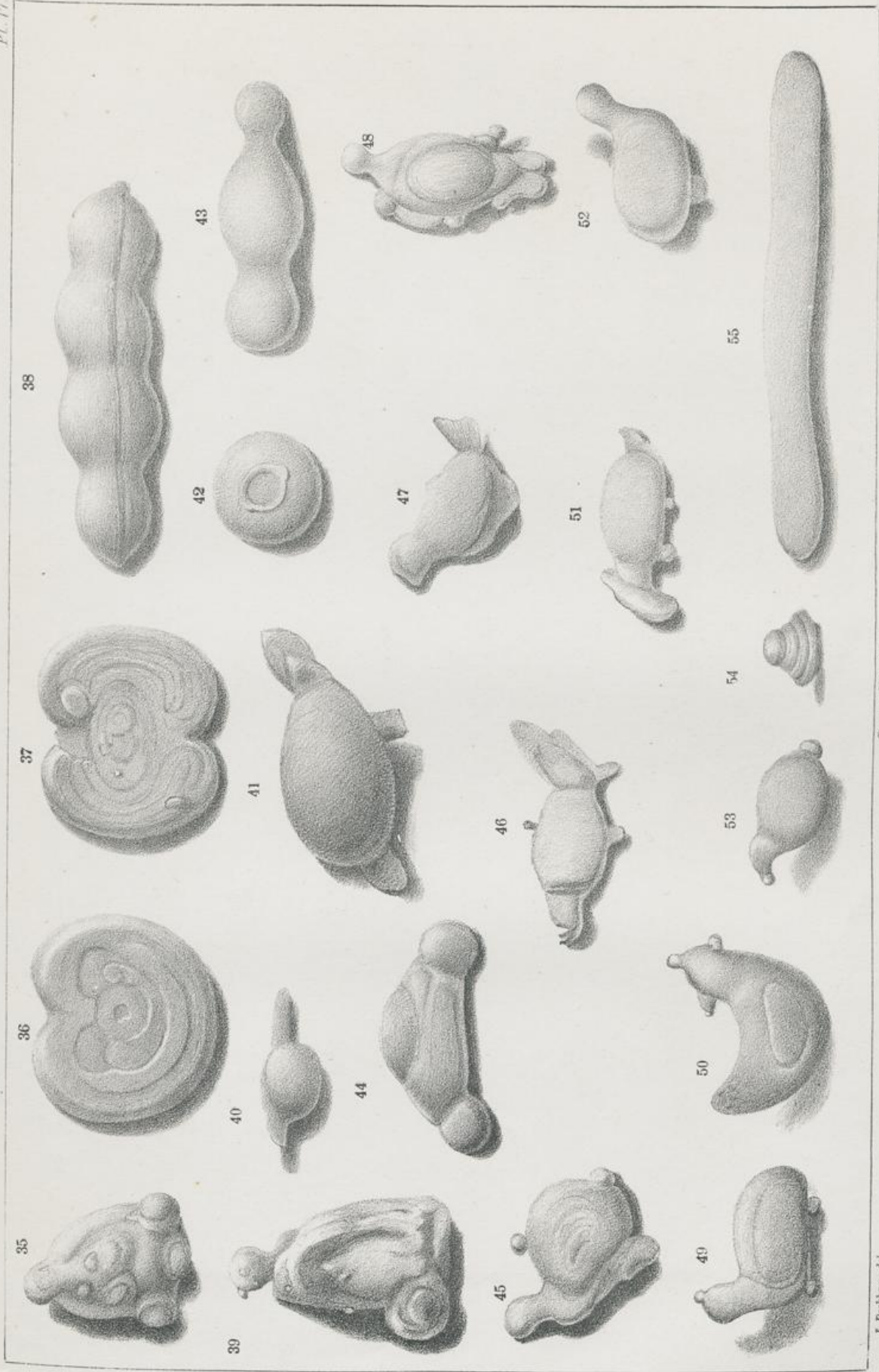


*Drapers' Inth. Boston.*

CLAY STONES.

*J. Peckham. 4-51*



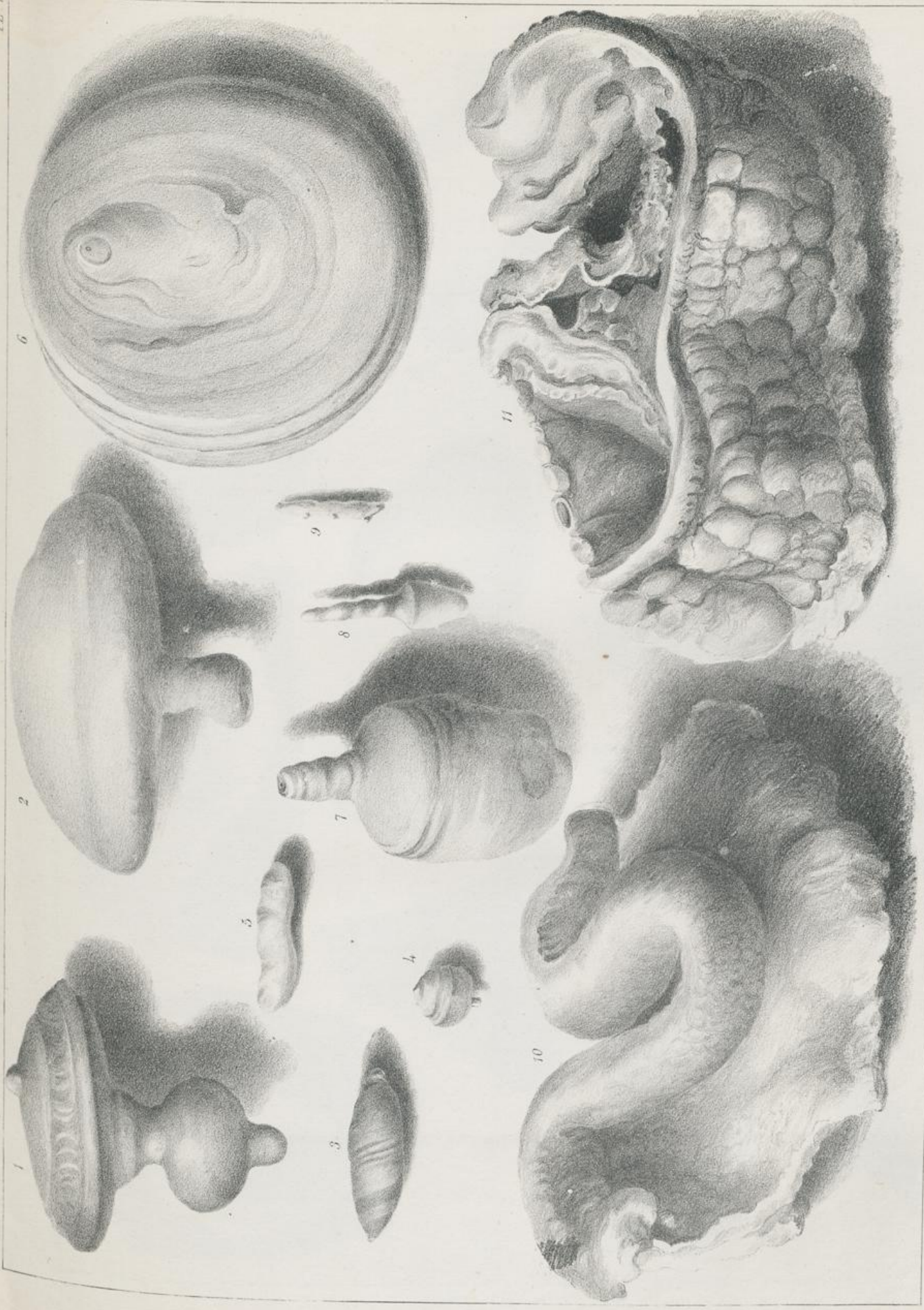


*Douglas's Lith. Bureau.*

*J. Peckham, del.*

CLAY STONES.

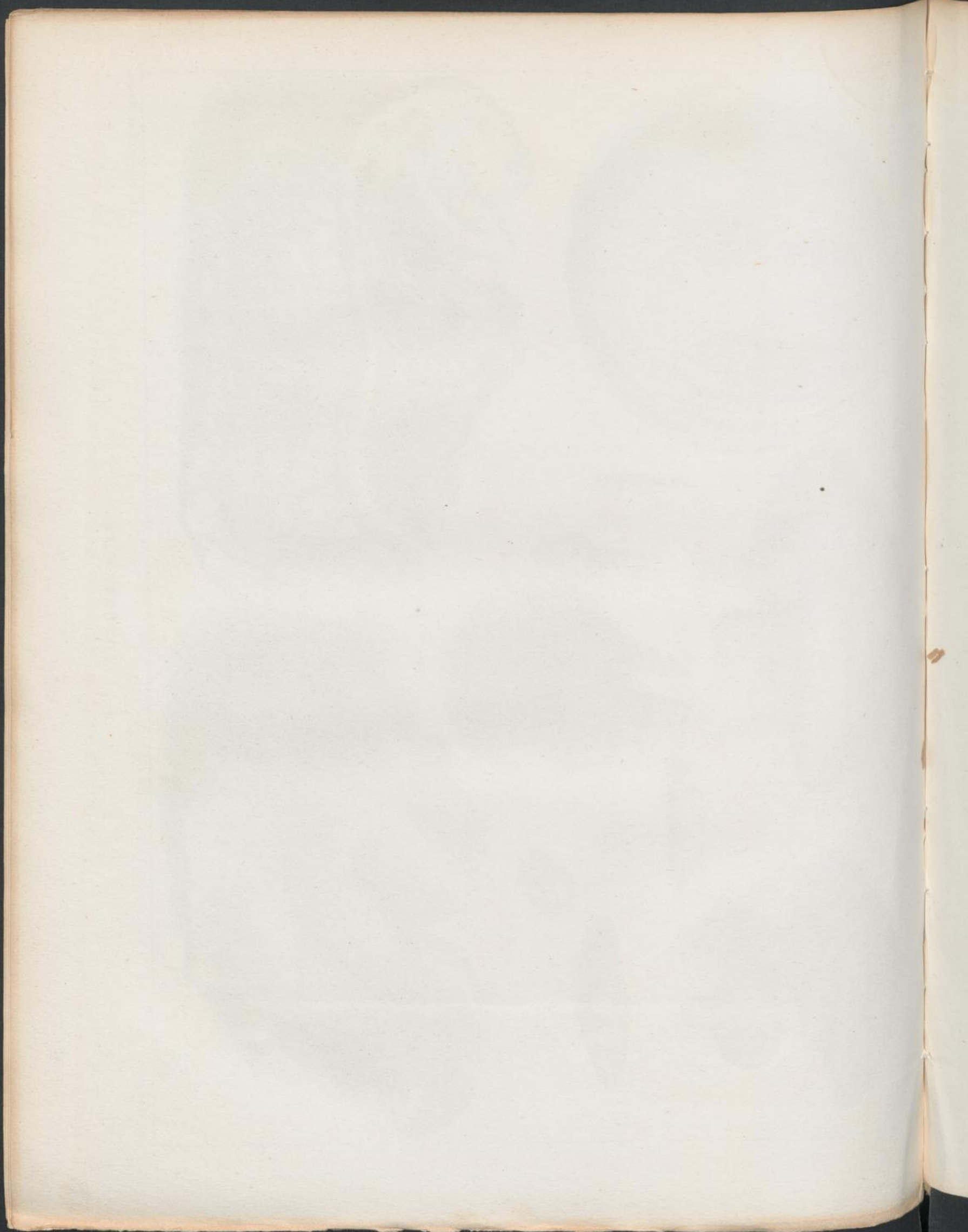


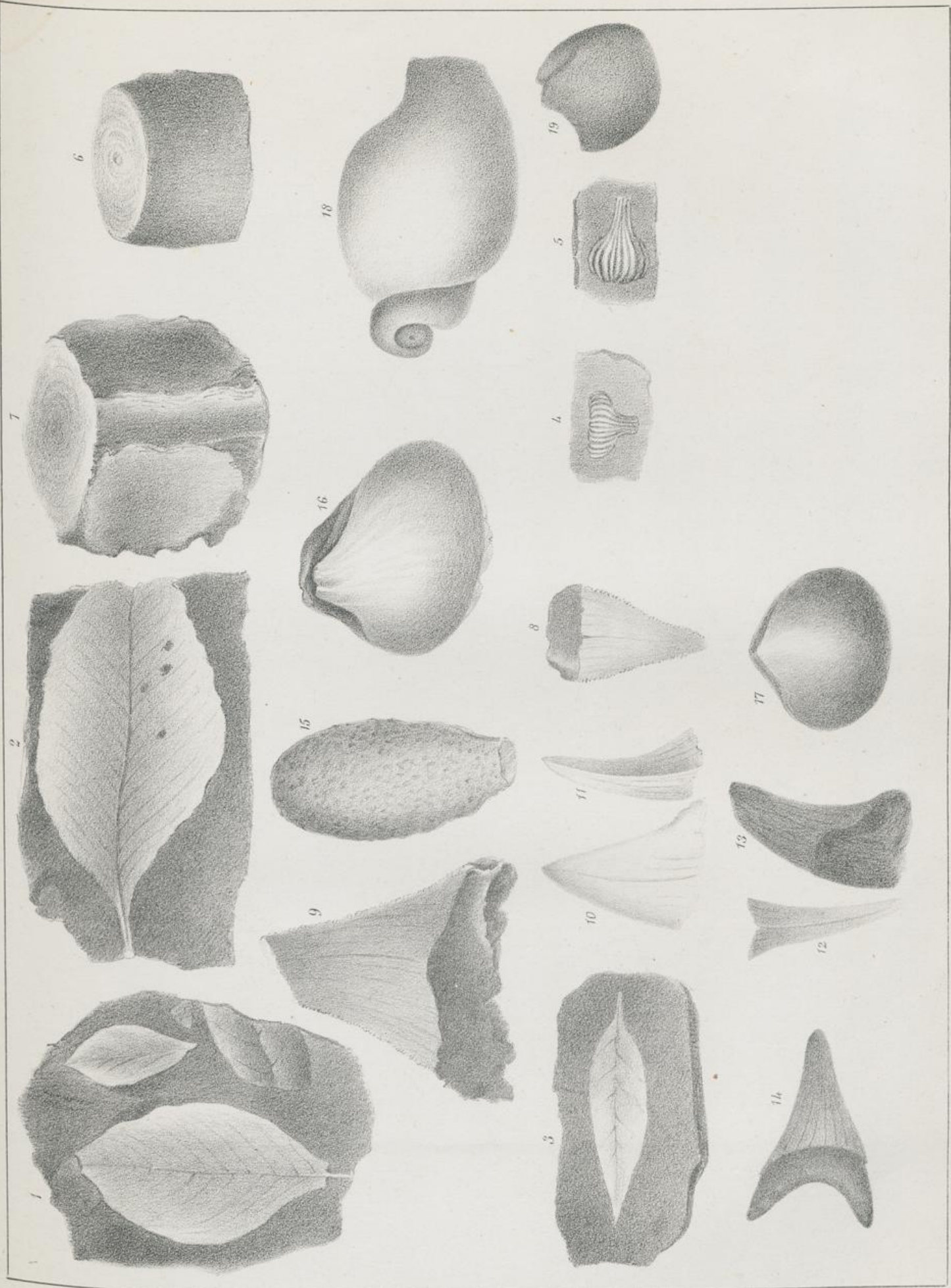


J. Peckham del.

CONCRETIONS.

B. W. Thayer's Lith. Boston.

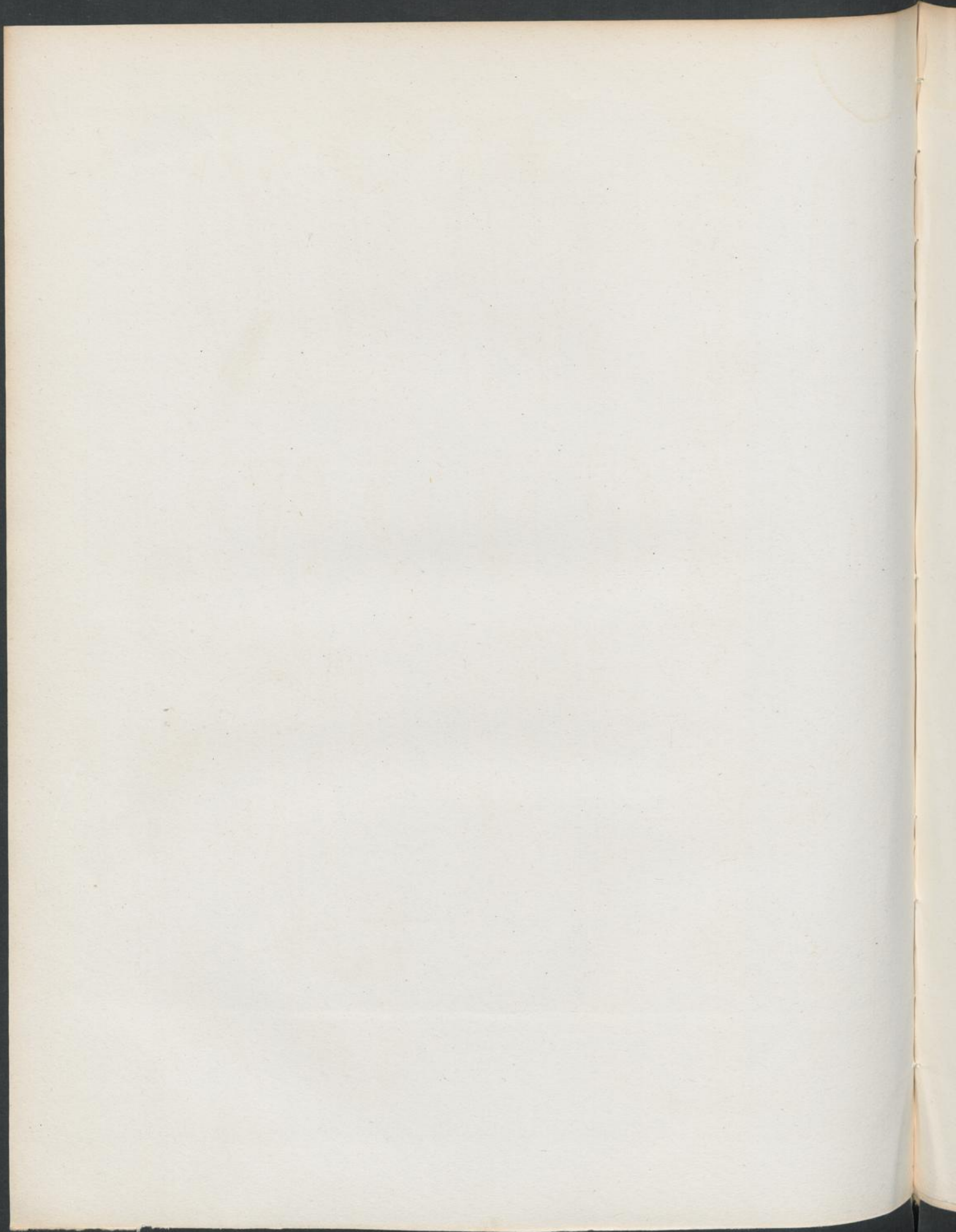


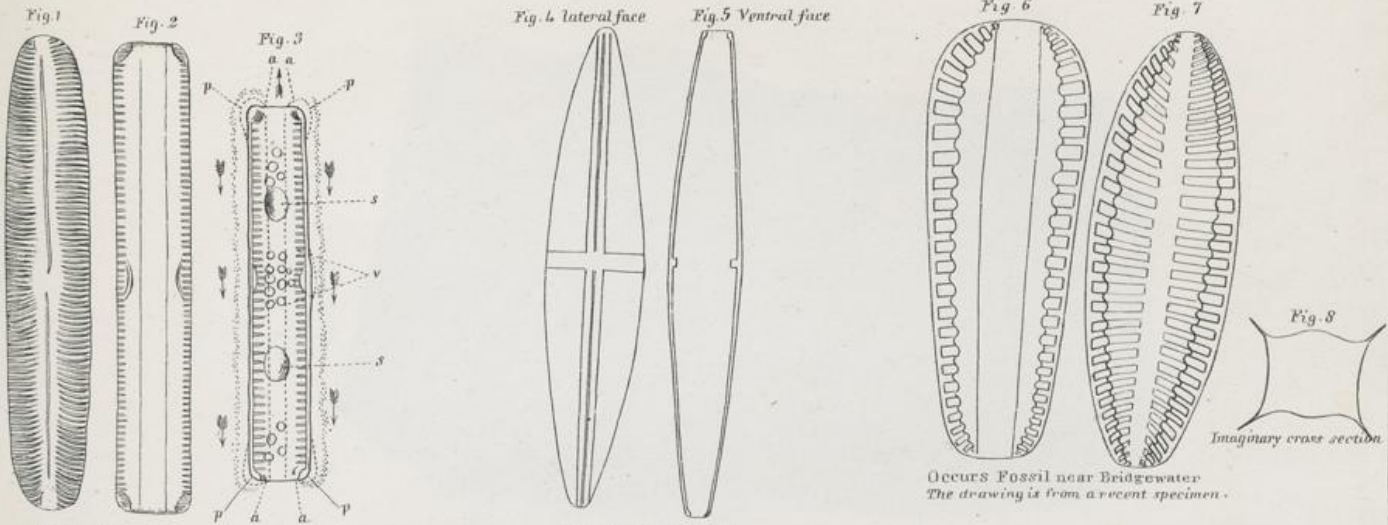


Mrs. Hitchcock del.

FOSSILS OF THE EOCENE TERTIARY.

Thayer's Lith. Boston.

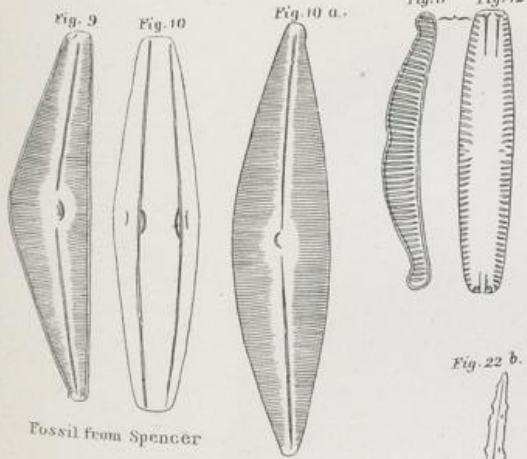




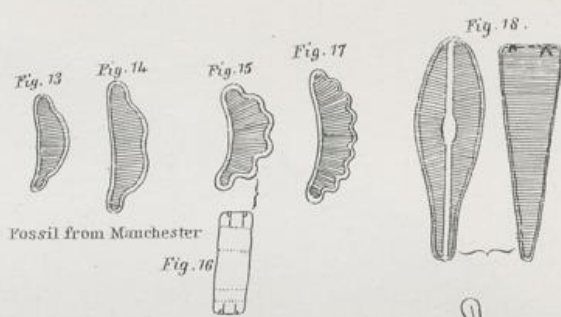
Fossil from Wrentham.

Fossil from Wrentham.

Occurs Fossil near Bridgewater  
The drawing is from a recent specimen.



Fossil from Spencer



Fossil from Manchester

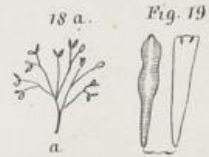
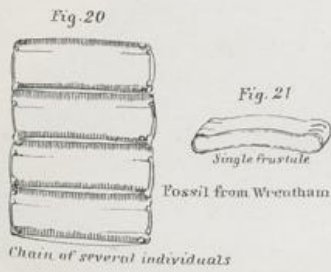


Fig. 28



Fig. 30

Fig. 31

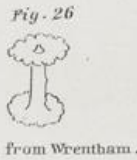


Chain of several individuals

Fossil from Wrentham



Fossil from Wrentham.

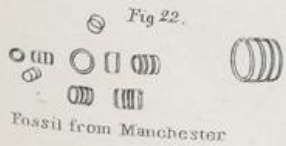


Fossil from Wrentham.



Fig. 29

Siliceous bodies of vegetable origin?



Fossil from Manchester

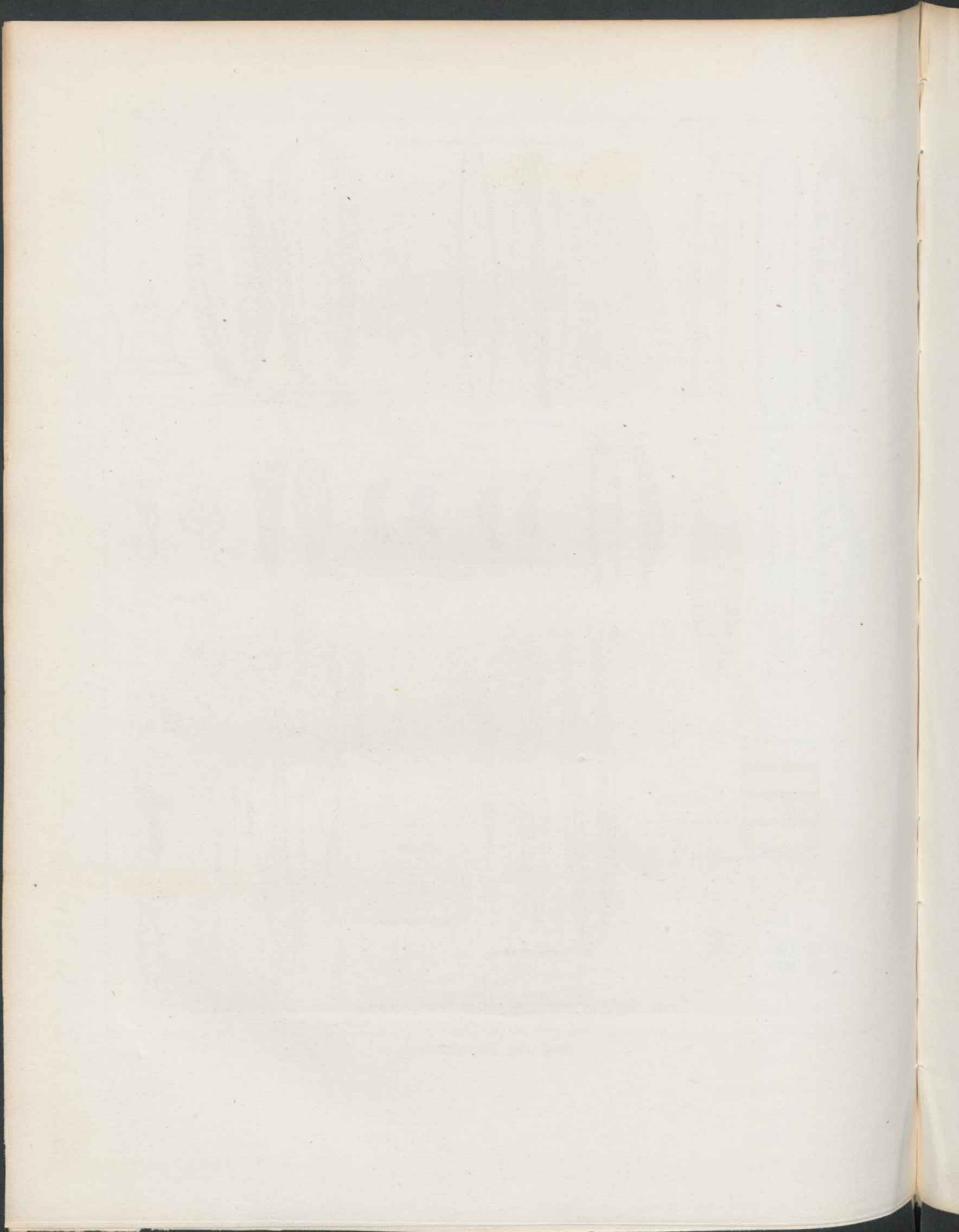
Fig. 32

Scale for the above figures, each division of which is  $\frac{1}{100}$  of a millimetre.

Prof. Bailey del.

D. W. Thayer's Lith. Boston.

FOSSIL INFUSORIA.





Thoyers's Lith. Boston.

Fossil Vegetables from Mansfield.



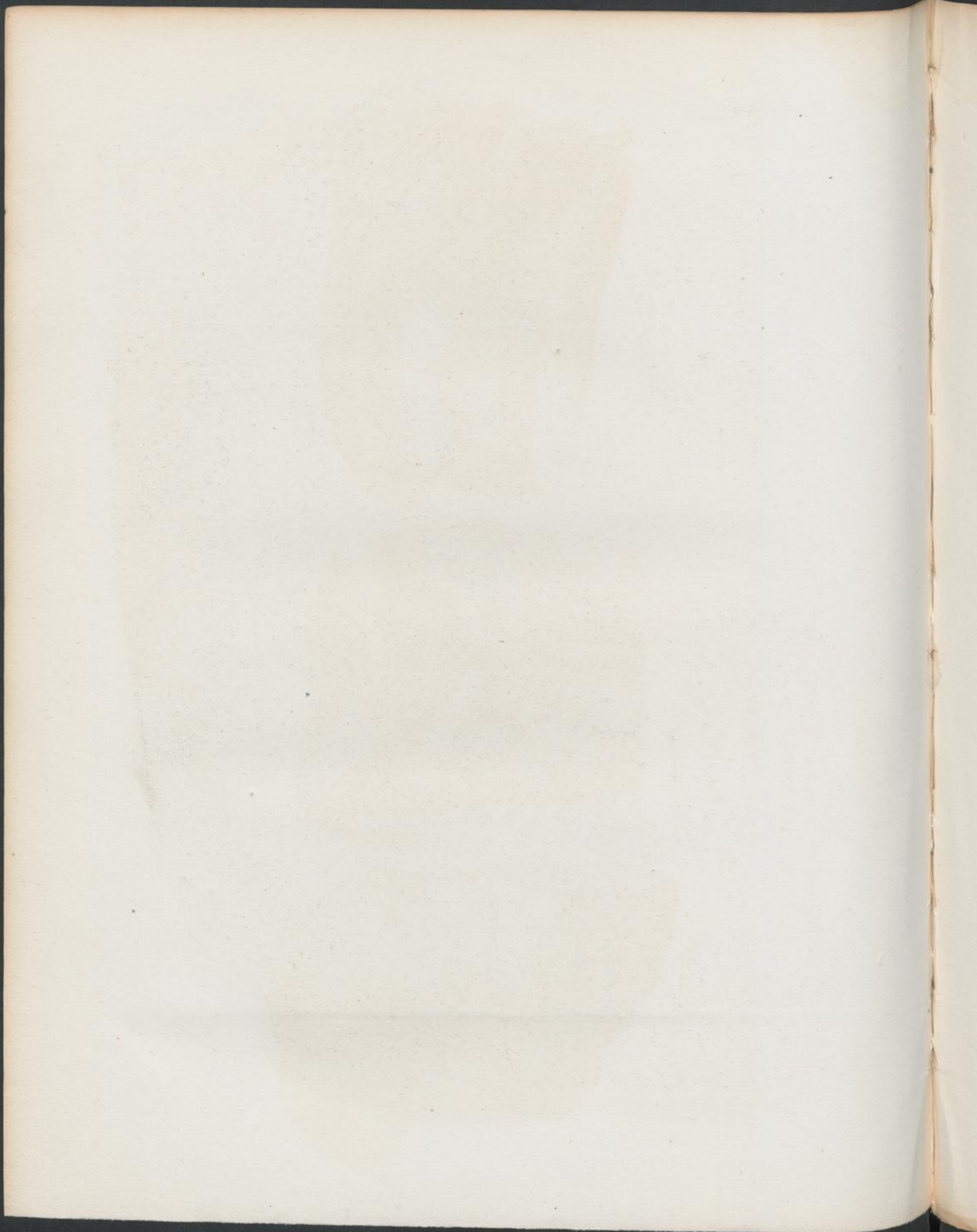
Prager's Lith. Boston.

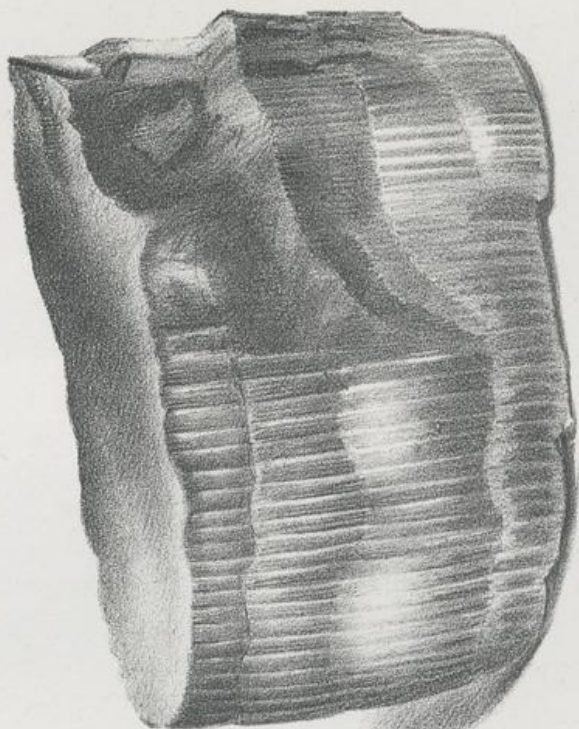
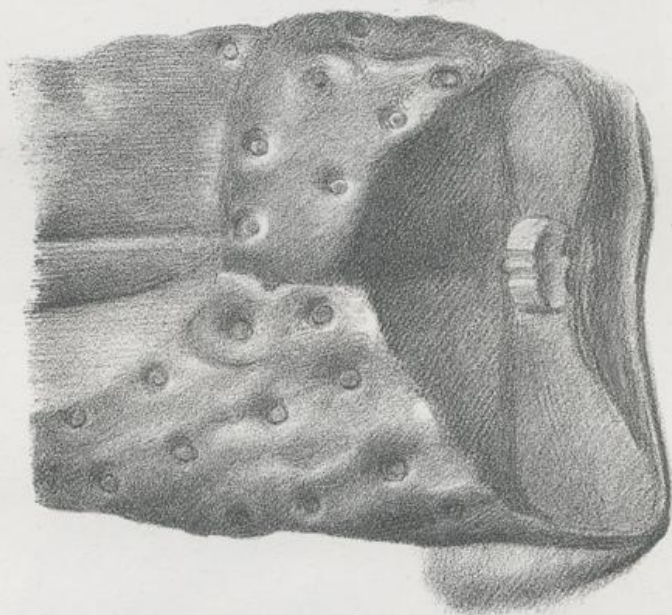
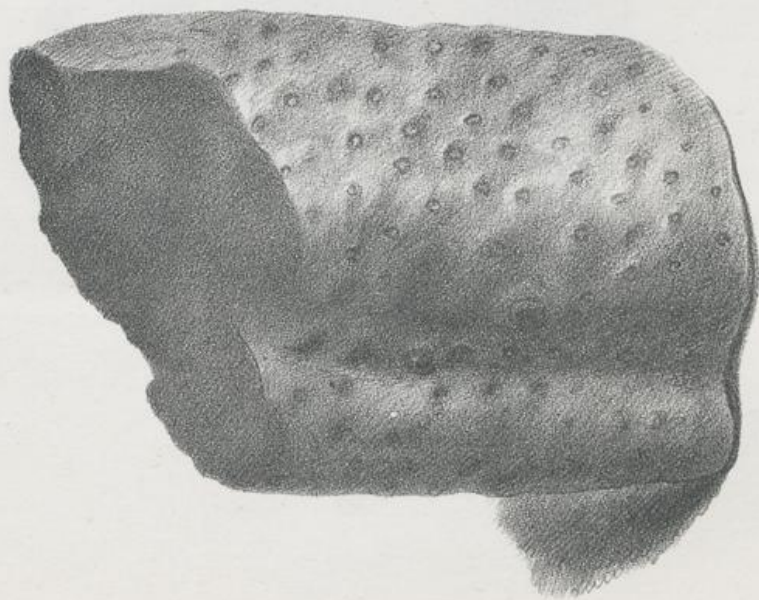
FOSSIL VEGETABLES FROM MANSFIELD.



*Thuyers lith. Anstons.*

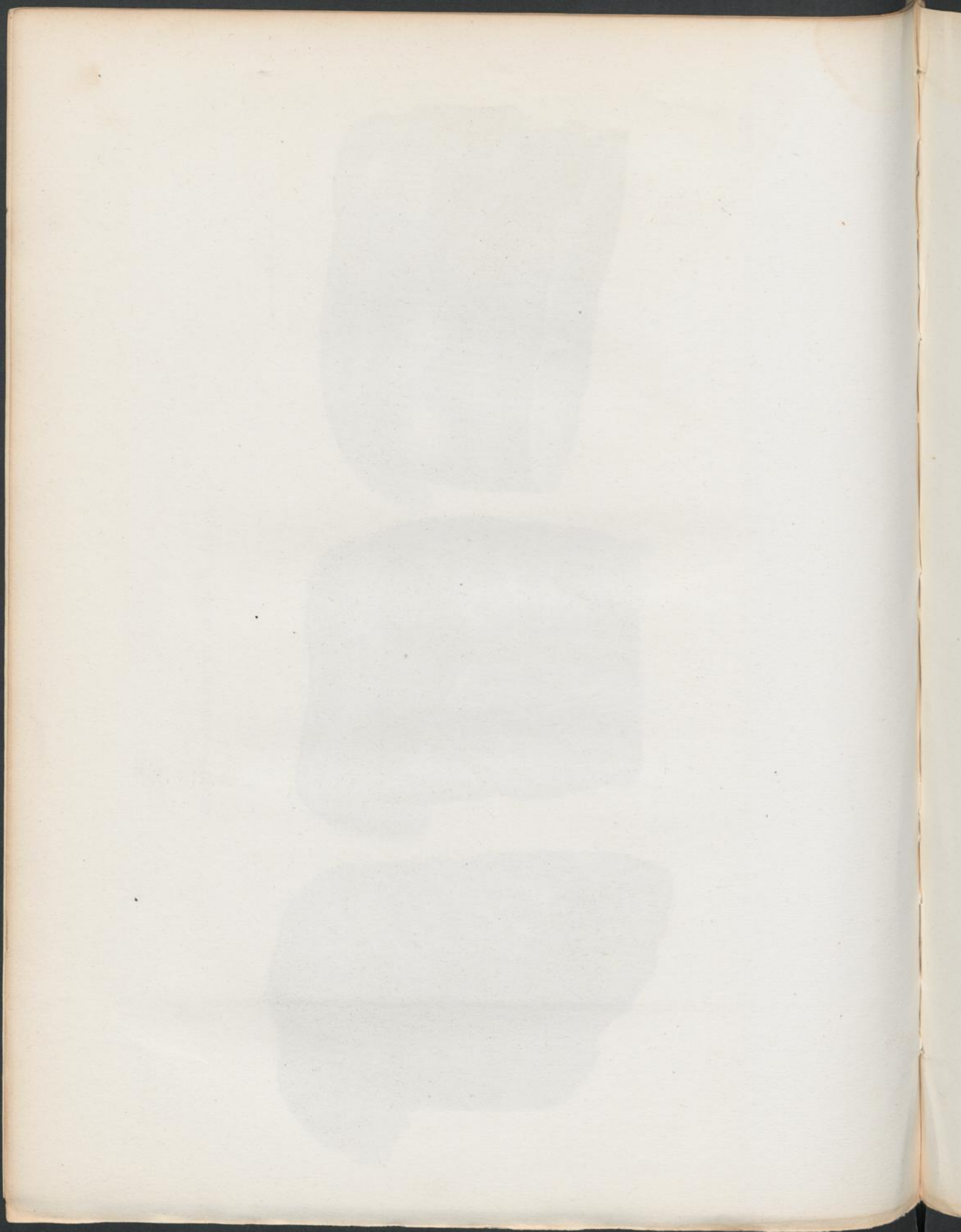
FOSSIL VEGETABLES FROM MANSFIELD.



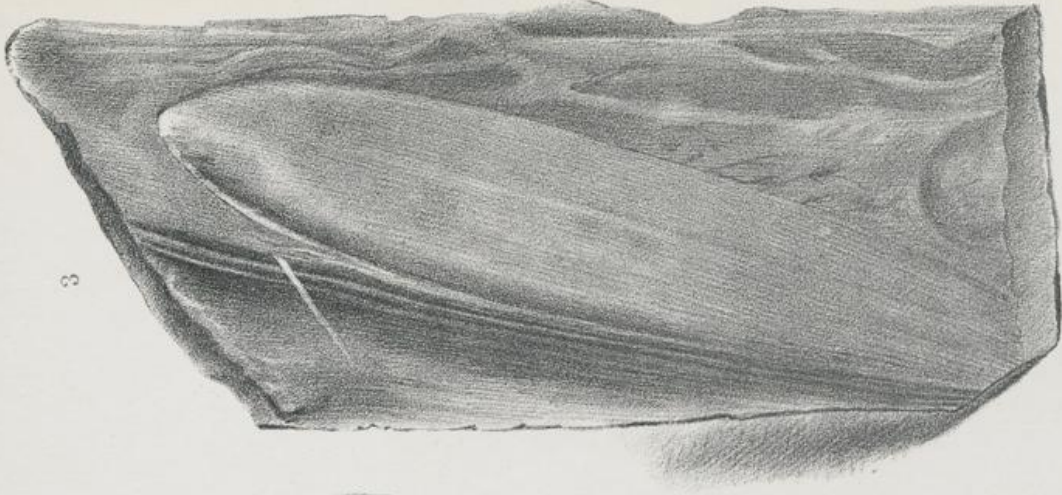


Thayer's Lithog. Boston.

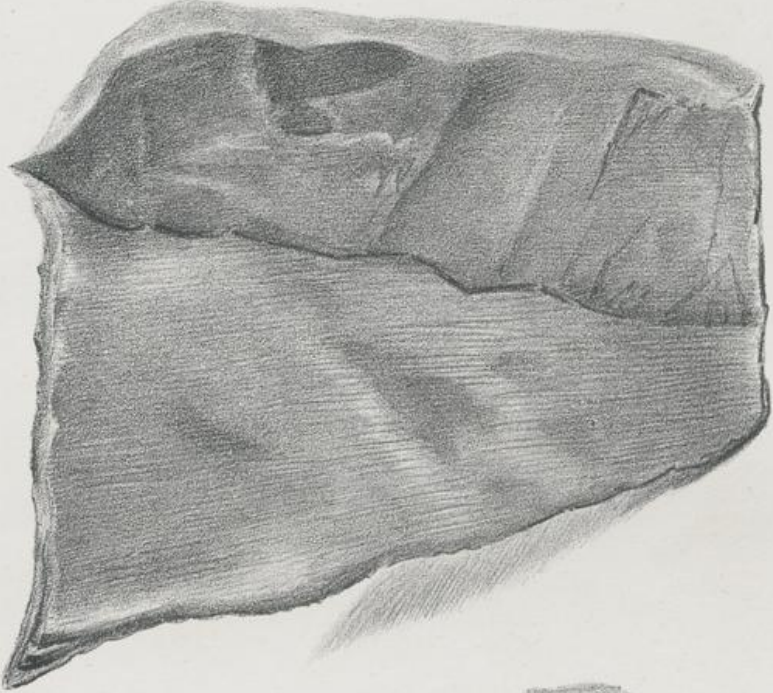
FOSSIL VEGETABLES FROM MANFIELD.



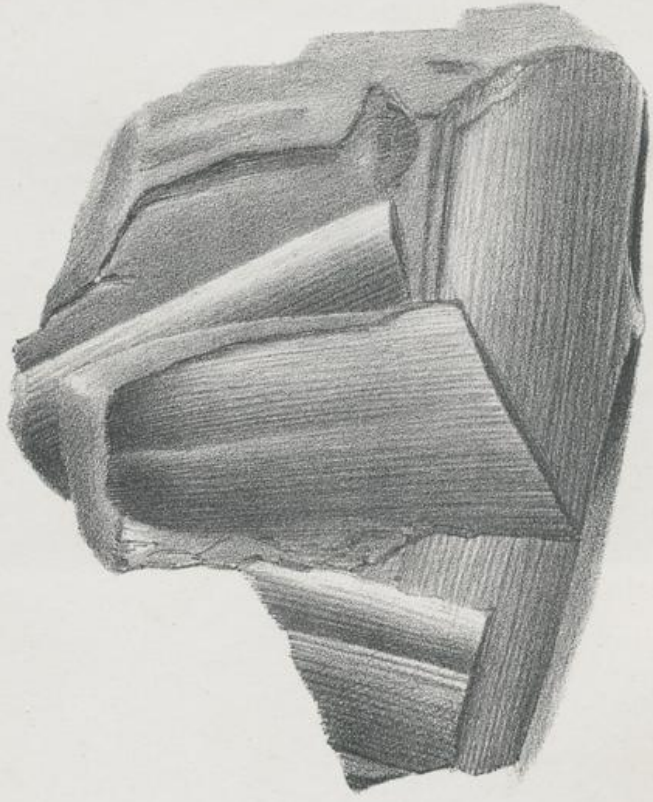
3



2

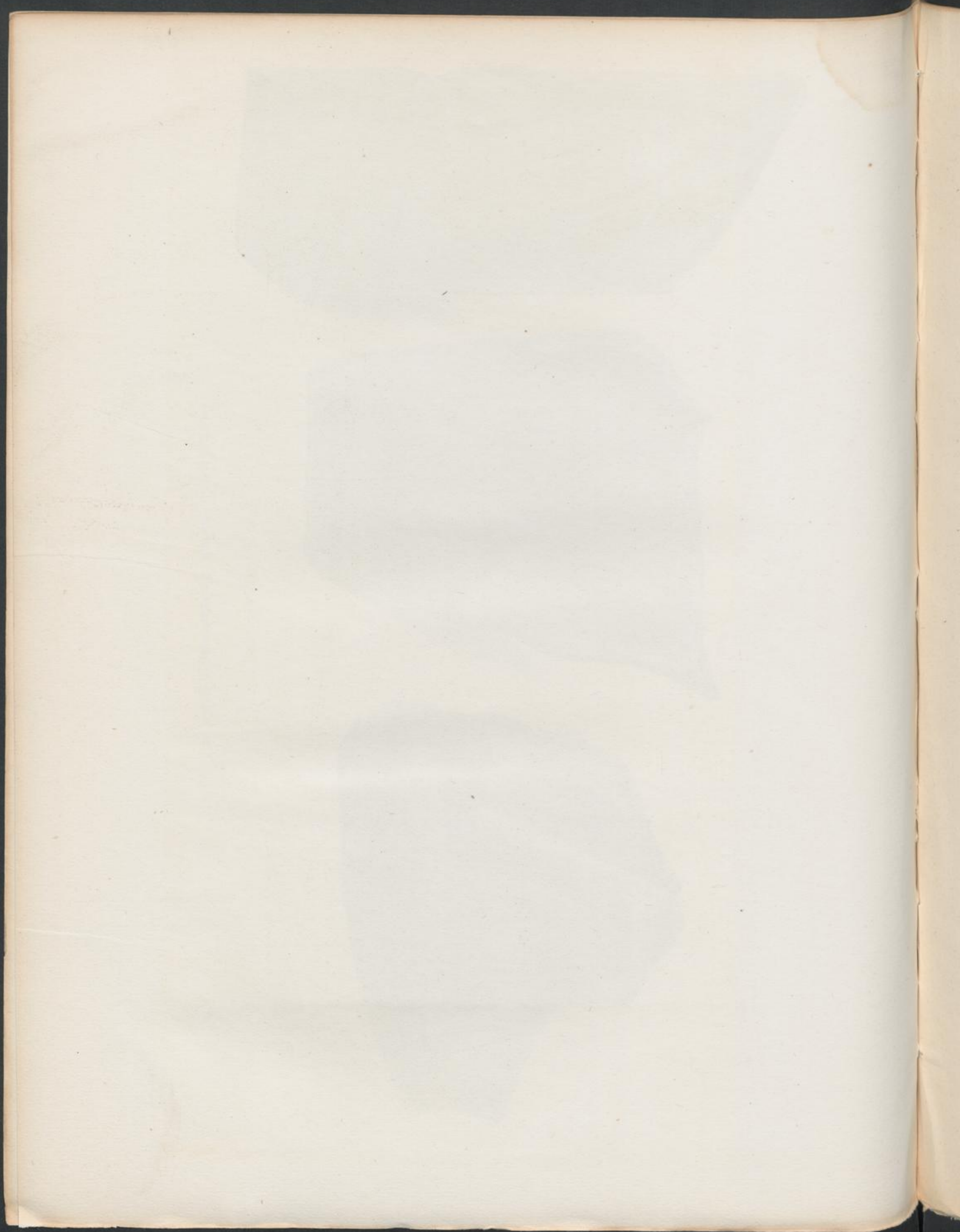


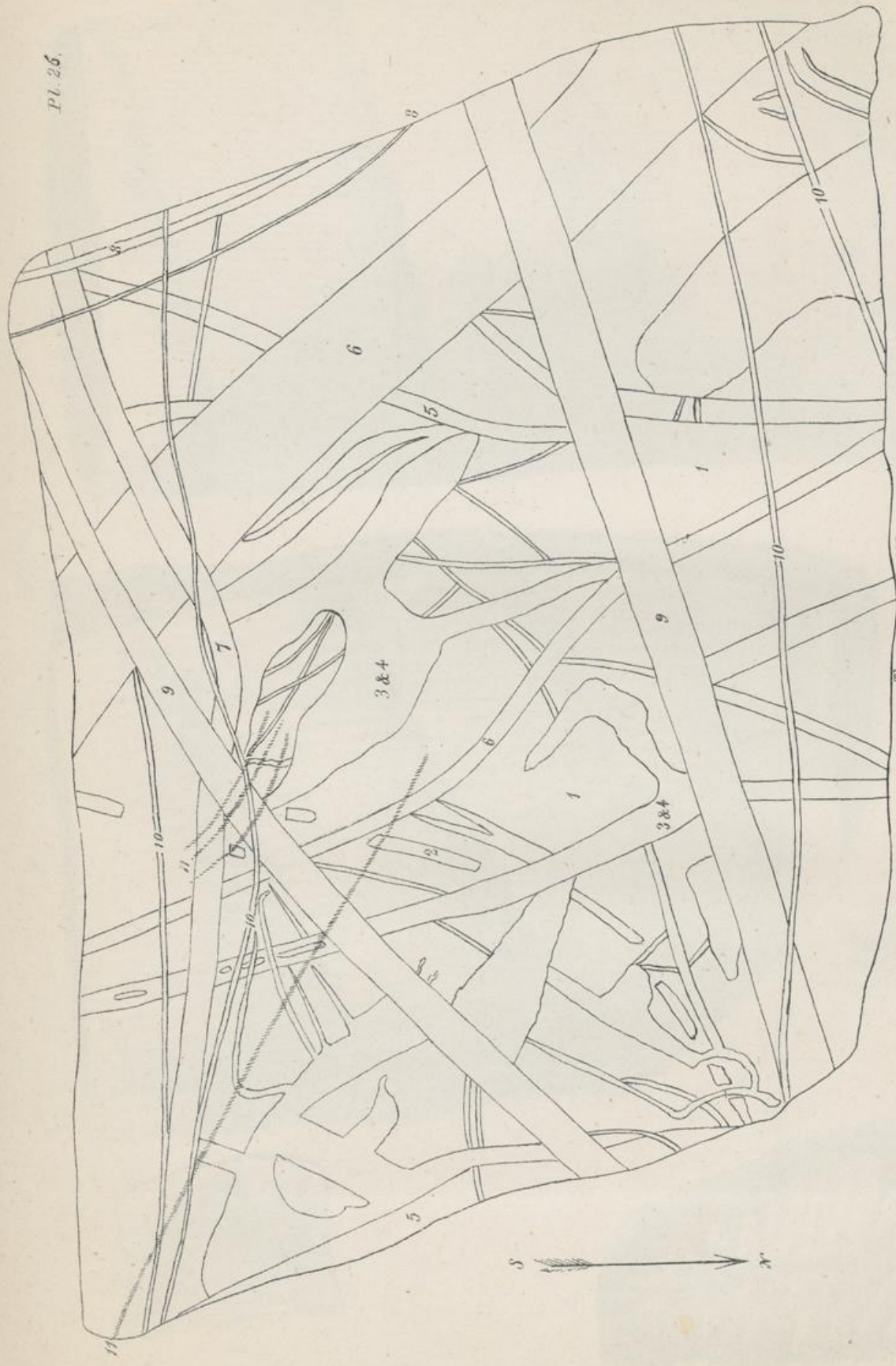
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FOSSIL VEGETABLES FROM MANSFIELD.

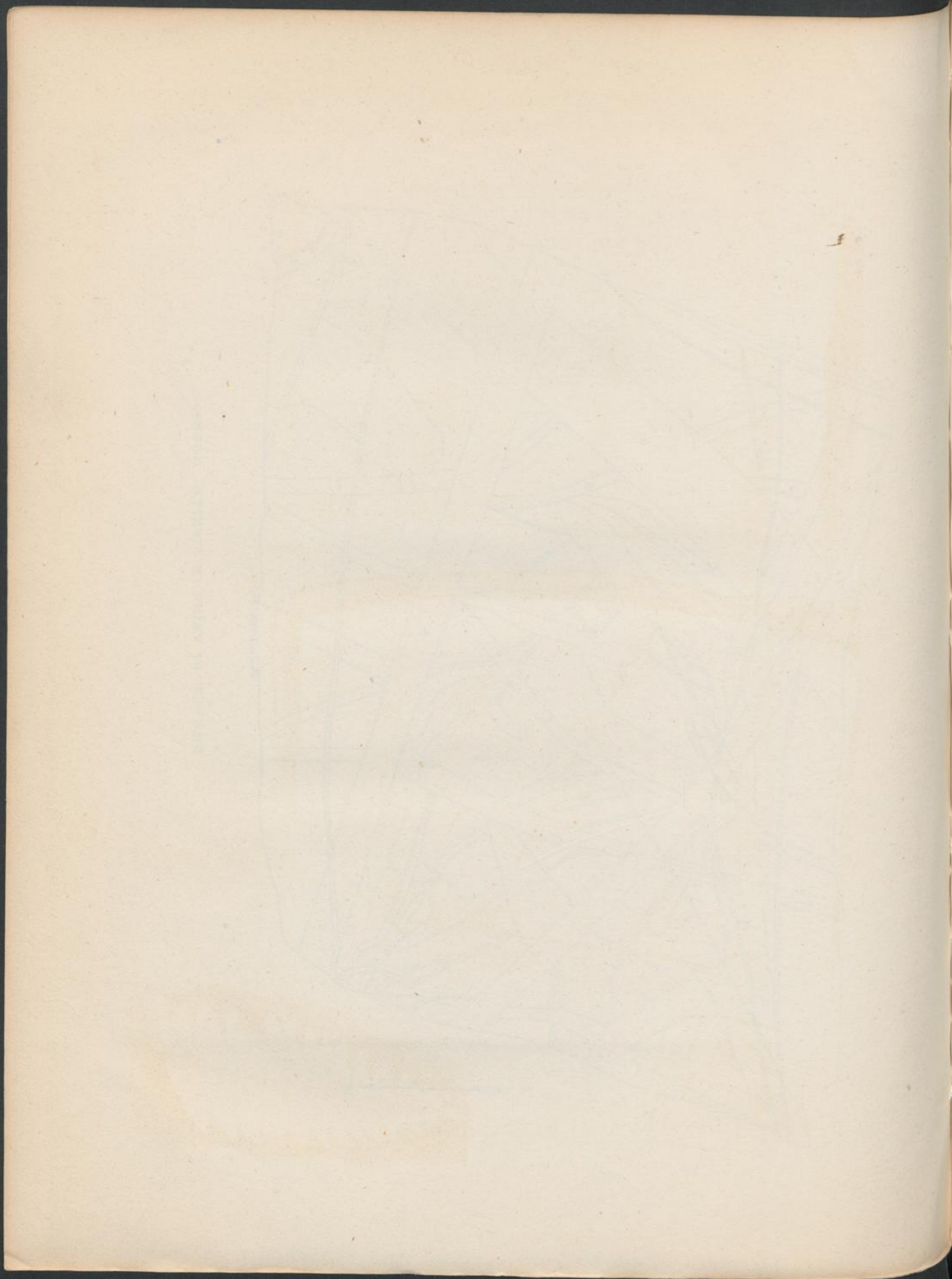
Thayer's Lith. Boston.

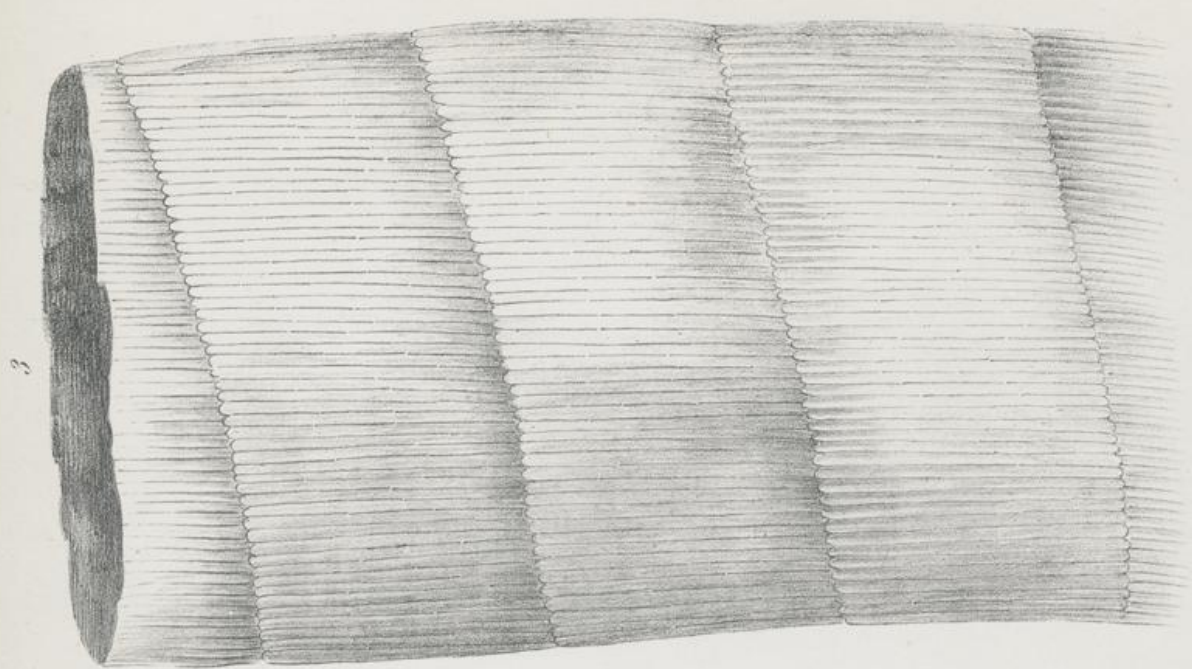




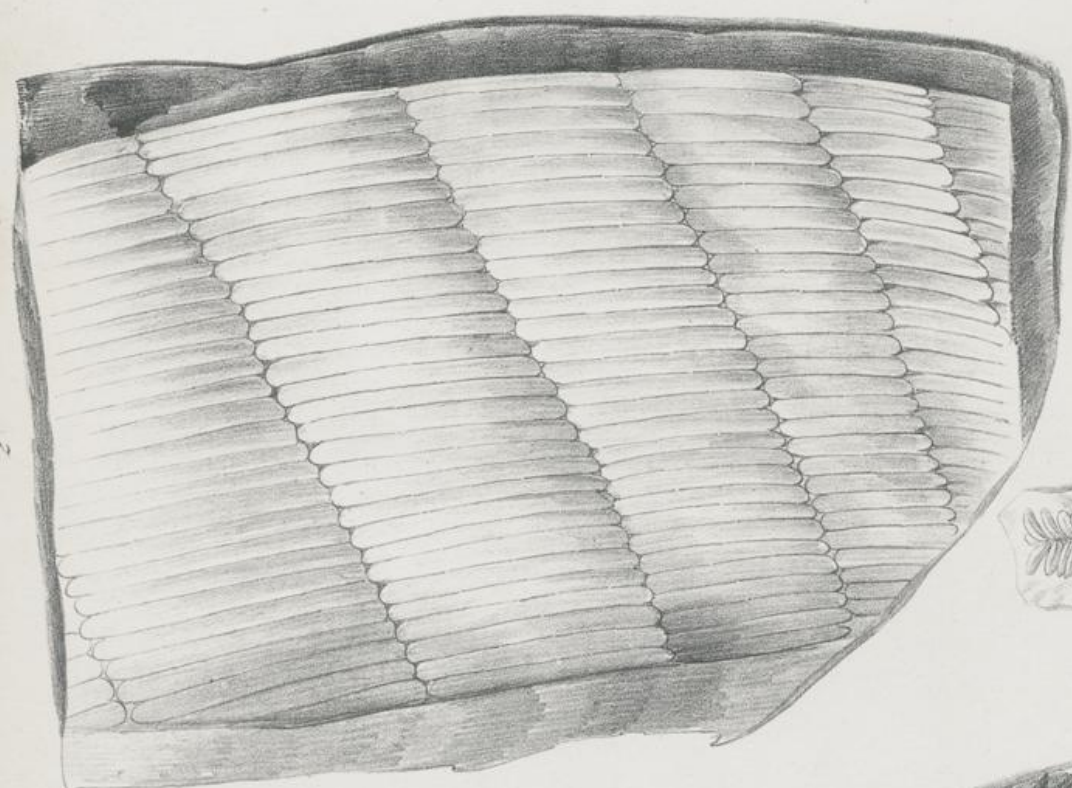
Thayer's Lib. Boston.

SKETCH OF VEINS IN SIENITE, SALEM.





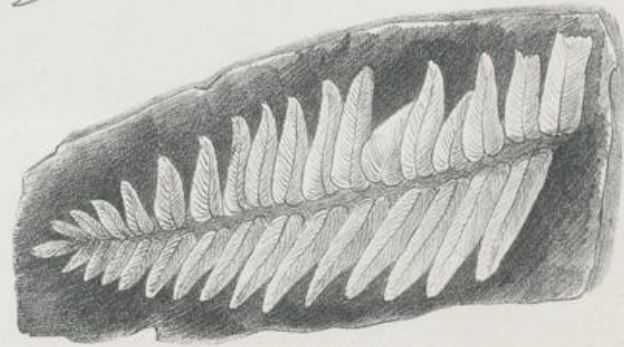
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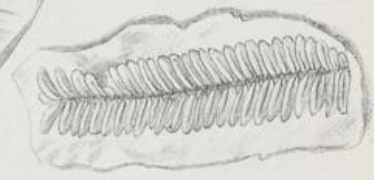
2



1



4



5

B. W. Thayer's Lithog. Boston.

FOSSIL VEGETABLES FROM WRENTHAM.

Mrs. Hitchcock del.





J. Peckham del.

FOSSIL PLANTS OF THE NEW RED SANDSTONE.

Thayer's Lith. Boston.

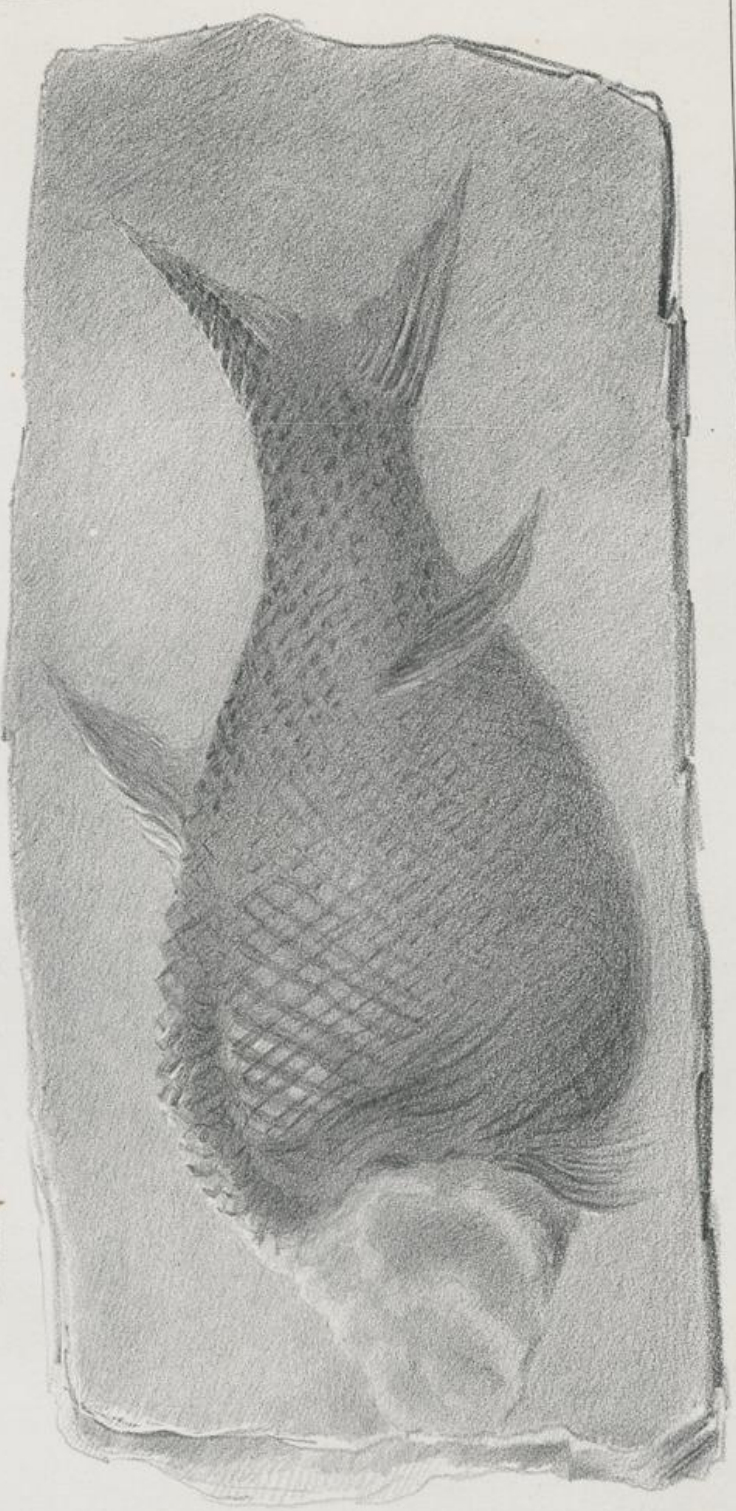




1.



2.



FOSSIL FISH, SUNDEBERGAND.

B. W. Thayer's Lithog. N.

J. Peckham del.





3



2



4



1

B. W. Thayer's Lithog. & Boston.

TODD'S LITHOGRAPHING

J. Peckham del.





B. W. Thayer's Lithog. Boston.

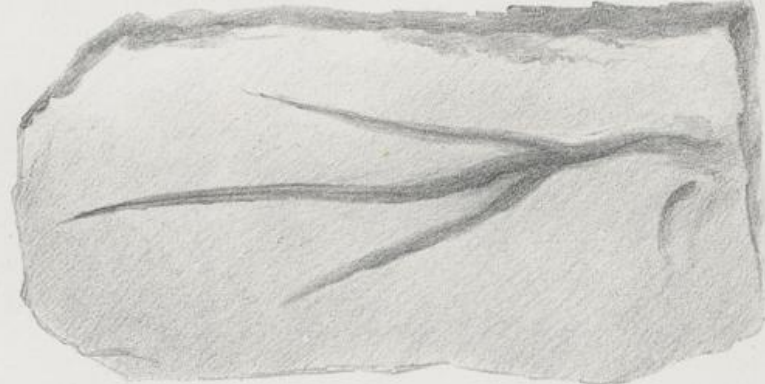
FOSSIL FOOTMARKS.

J. Peckham del.





10



9



8

B. W. Thayer's Libl. Boston.

FOSSIL FOOTMARKS.

J. Peckham del.



12



11



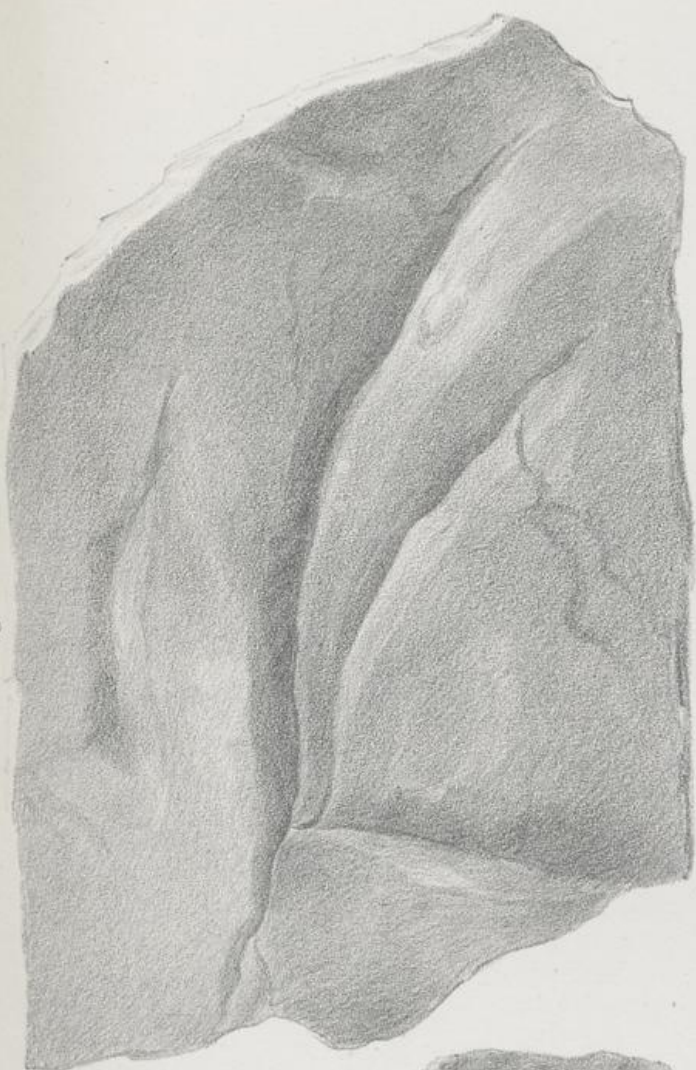
J. Peckham del.

FOSSIL PODIUMS.

H. W. Thayer's Lith., Boston.



13



14



16



15

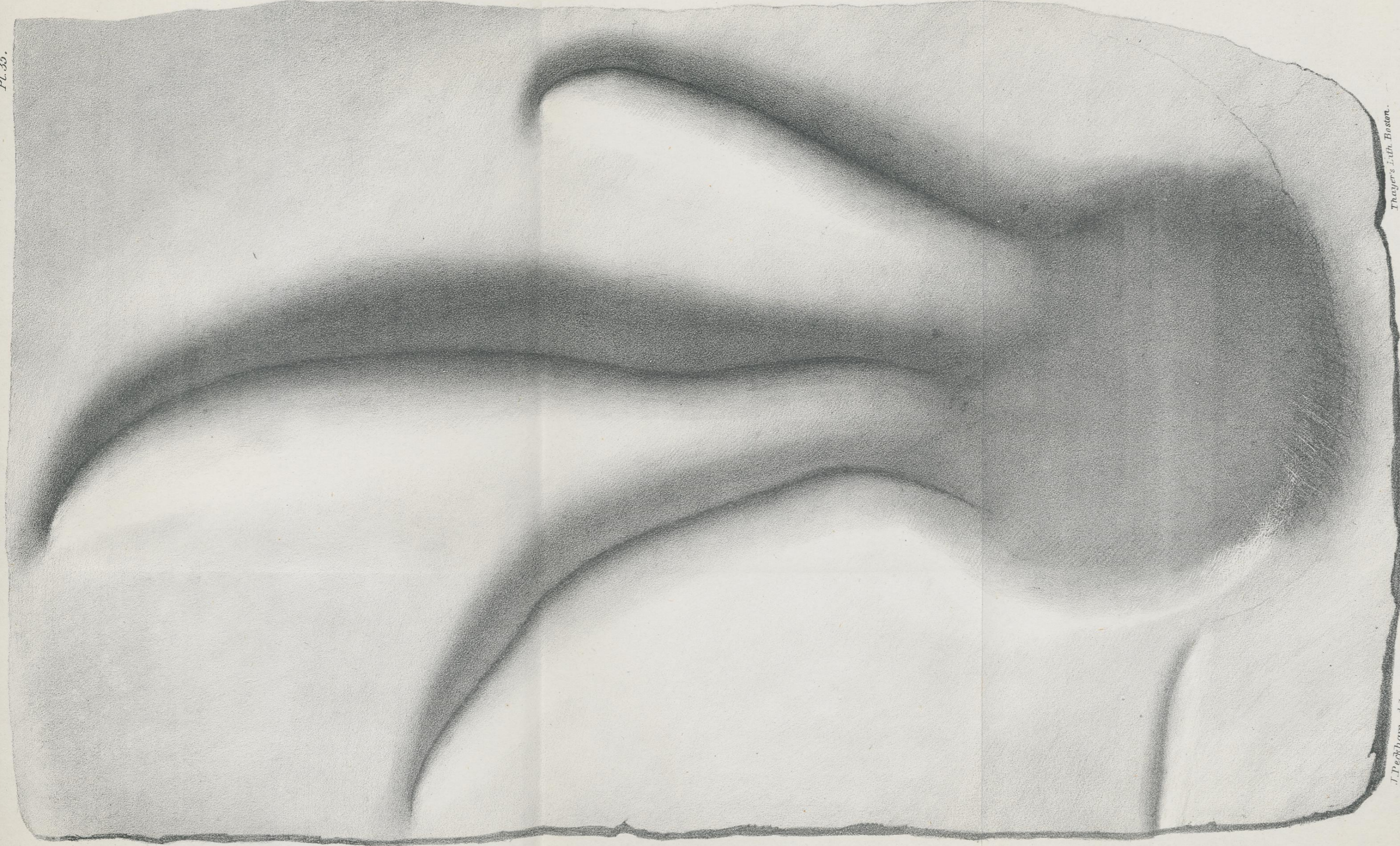


J. Peckham del.

Fossil Footmarks.

E. W. Haynes, lith. Boston.

Pl. 35.



Thayer's Lith. Boston.

J. Peckham del.

SAUROID FOOTMARK.



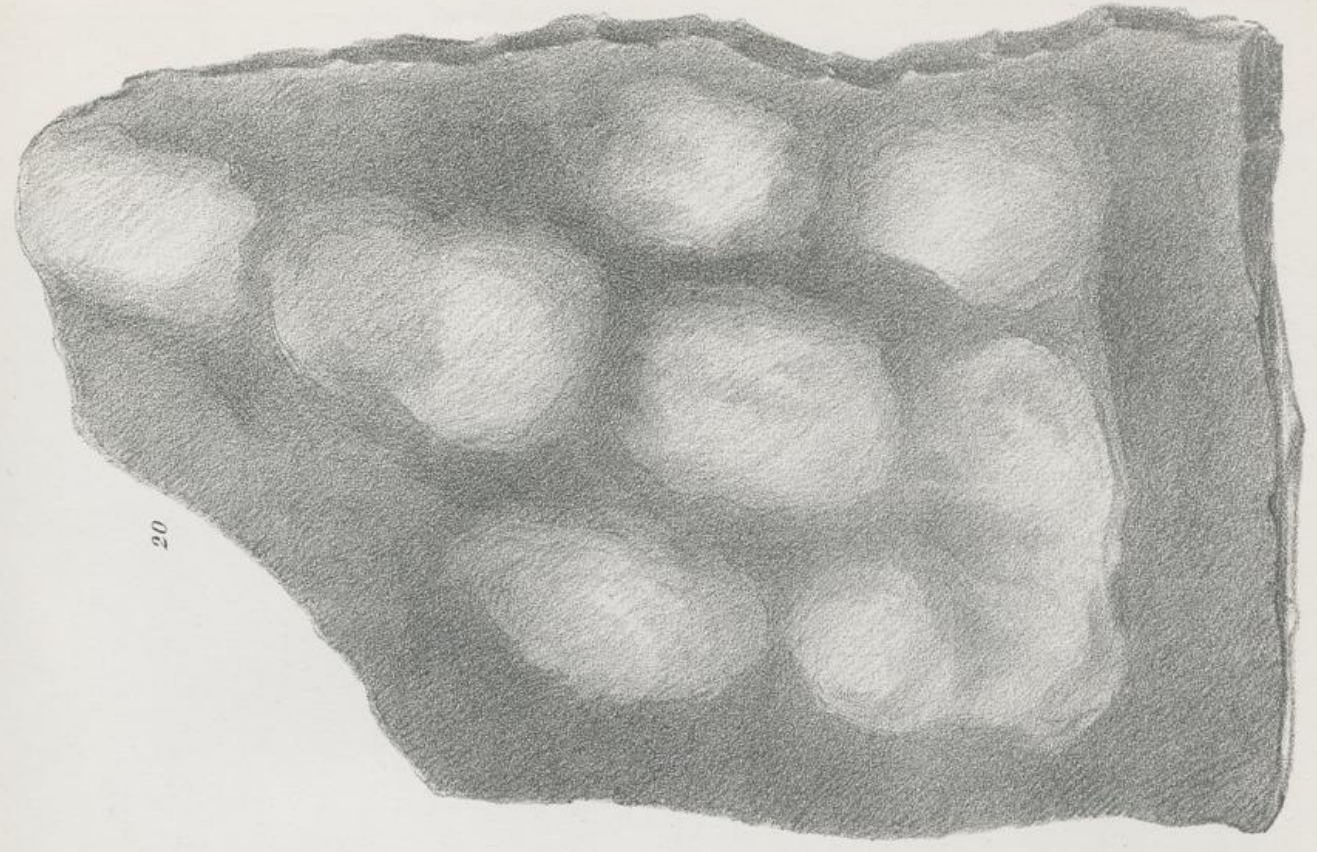
18.

19.

*Figures 18 & 19. Baten.*

*J. Peckham del.*

FOSSIL FOOTMARK.



20



21

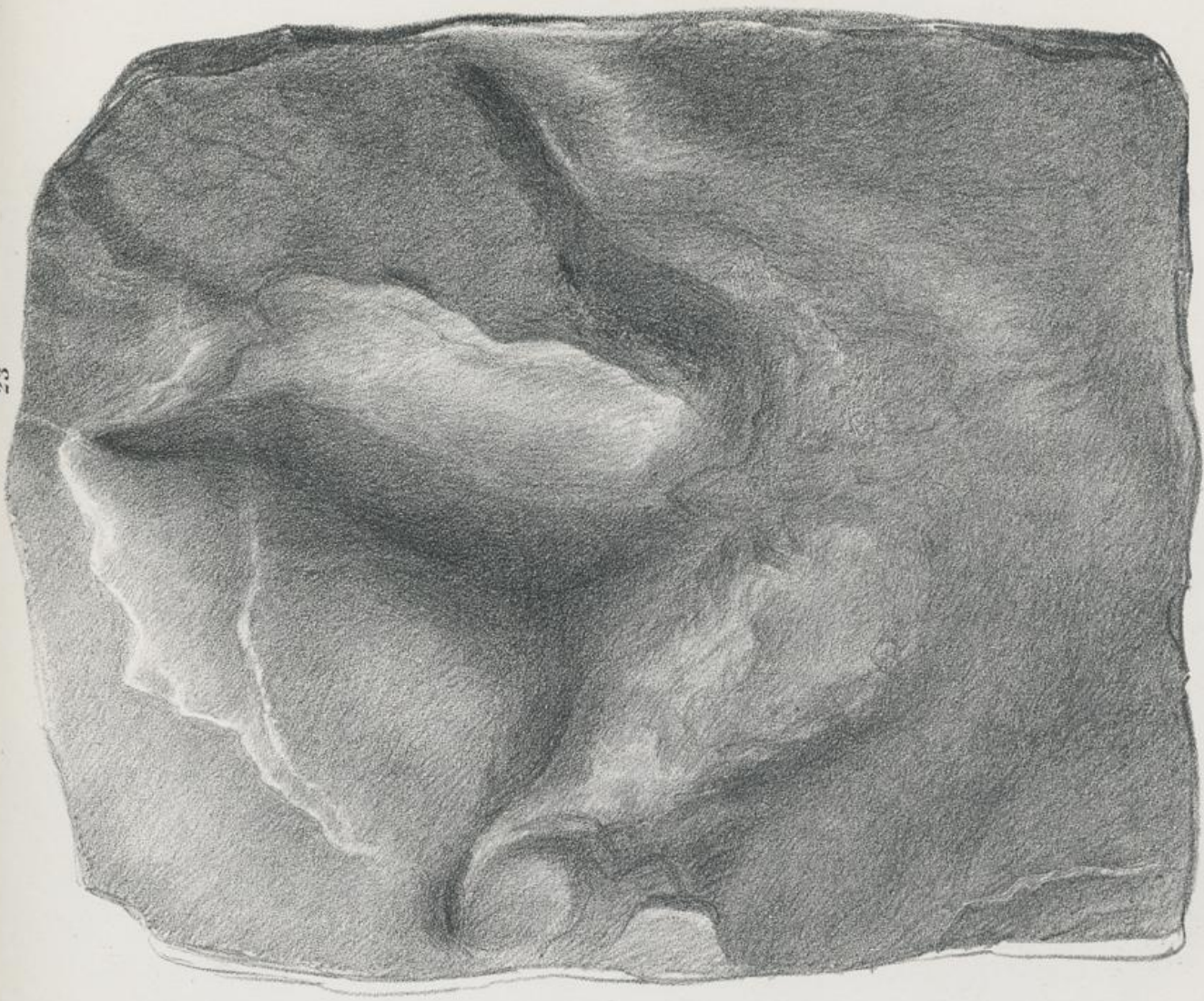
Thayer's Lith. Boston.

FOSSIL FOOTMARKS.

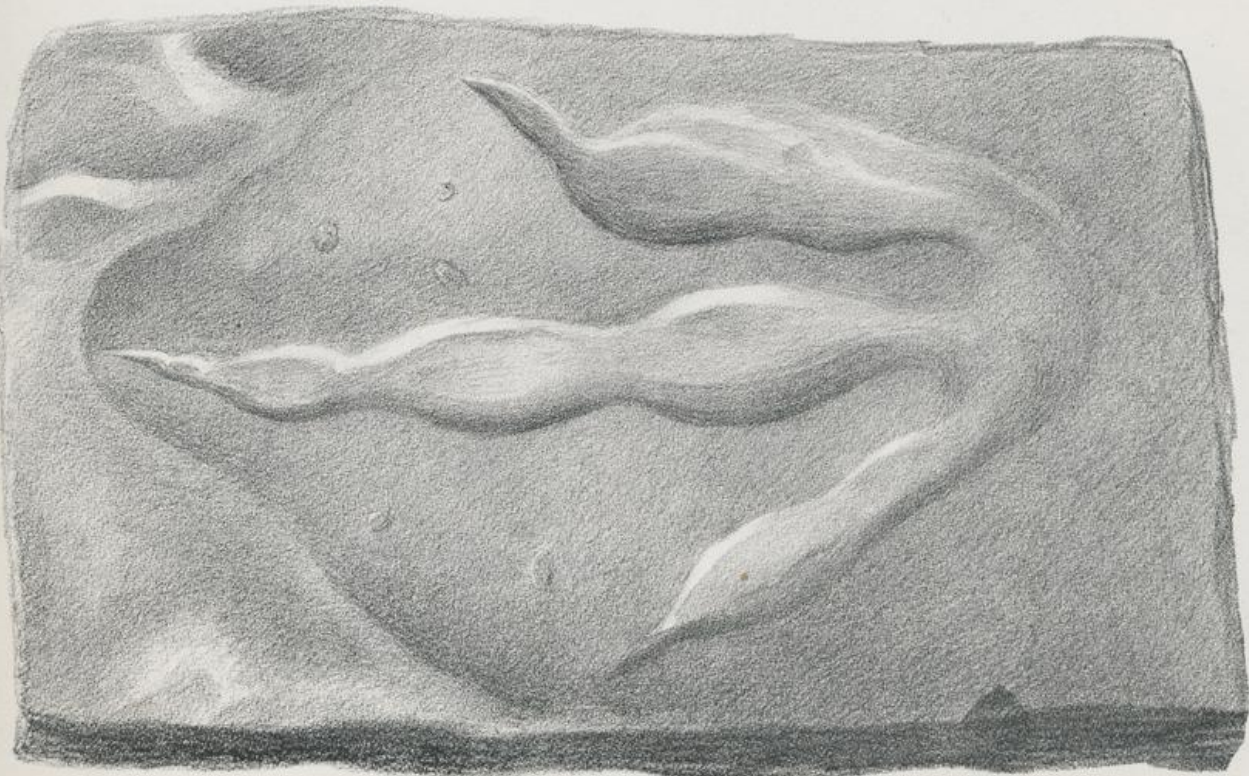
J. Peckham del.



23



22



FOSSIL FOOTMARKS.

J. Peckham del.

Thayer's Lith. Boston



26



25



24

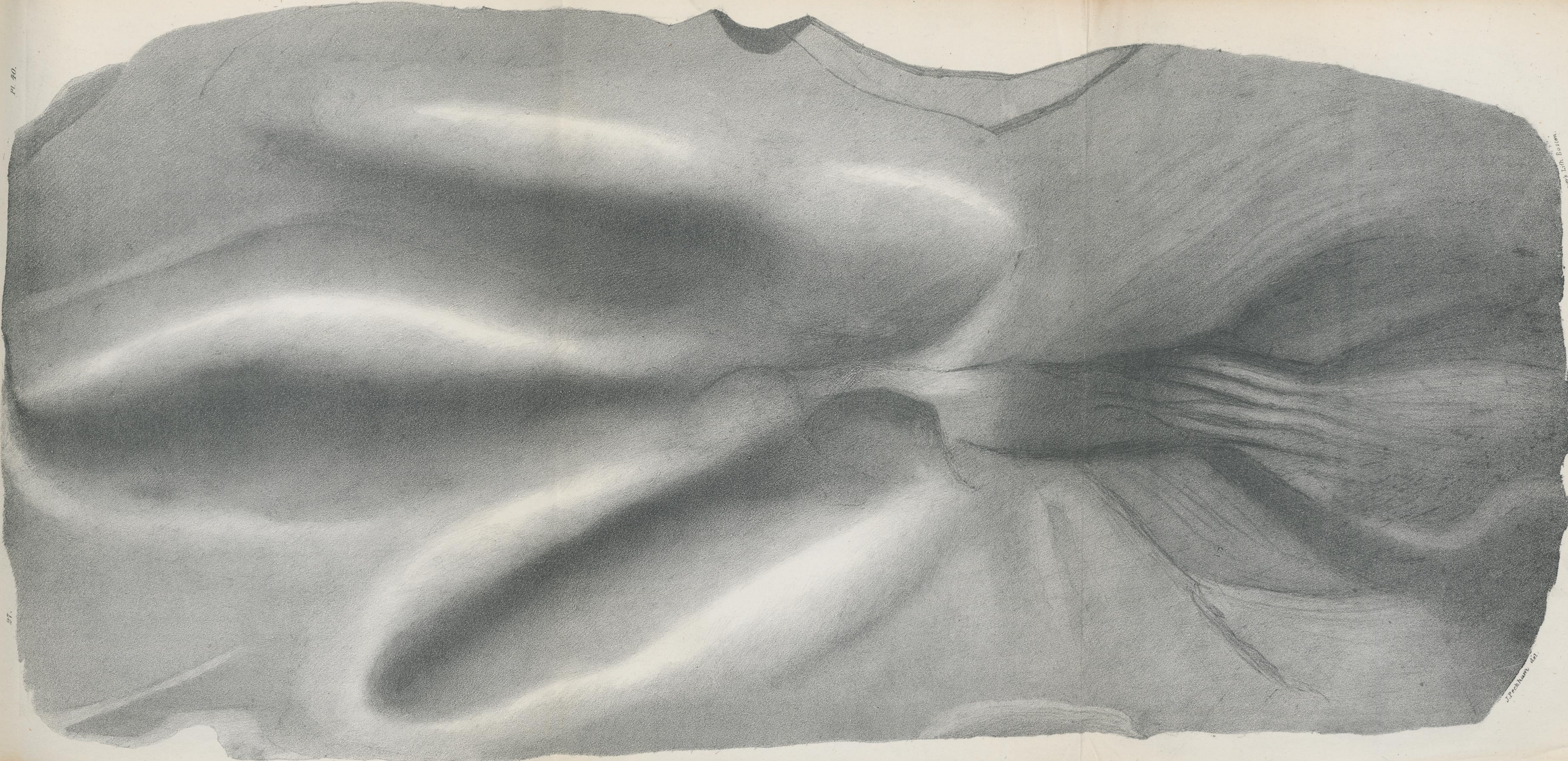


J. Peckham del.

Thayer's Lith. Boston.

FOSSIL FOOTMARKS.

Pl. 40.



27.

J. Peabody Lith. Boston.

FOSSIL FOOTMARK

J. Peabody del.

29



28



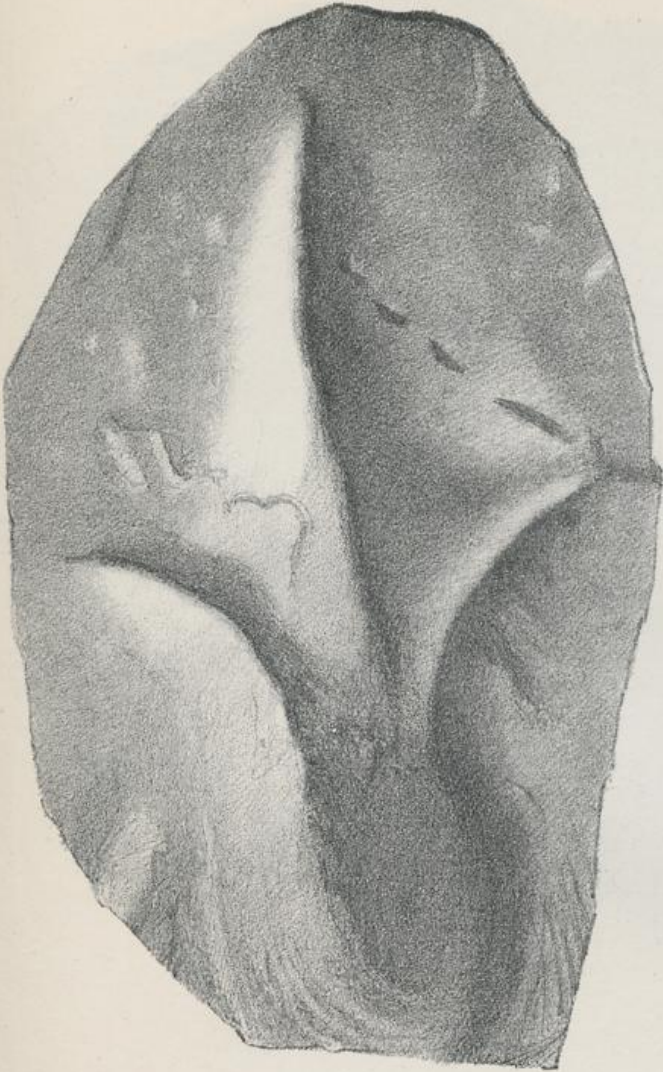
Thayer's Library, Boston.

FOSSIL FOOTMARKS.

J. Peckham del.



31



32



30



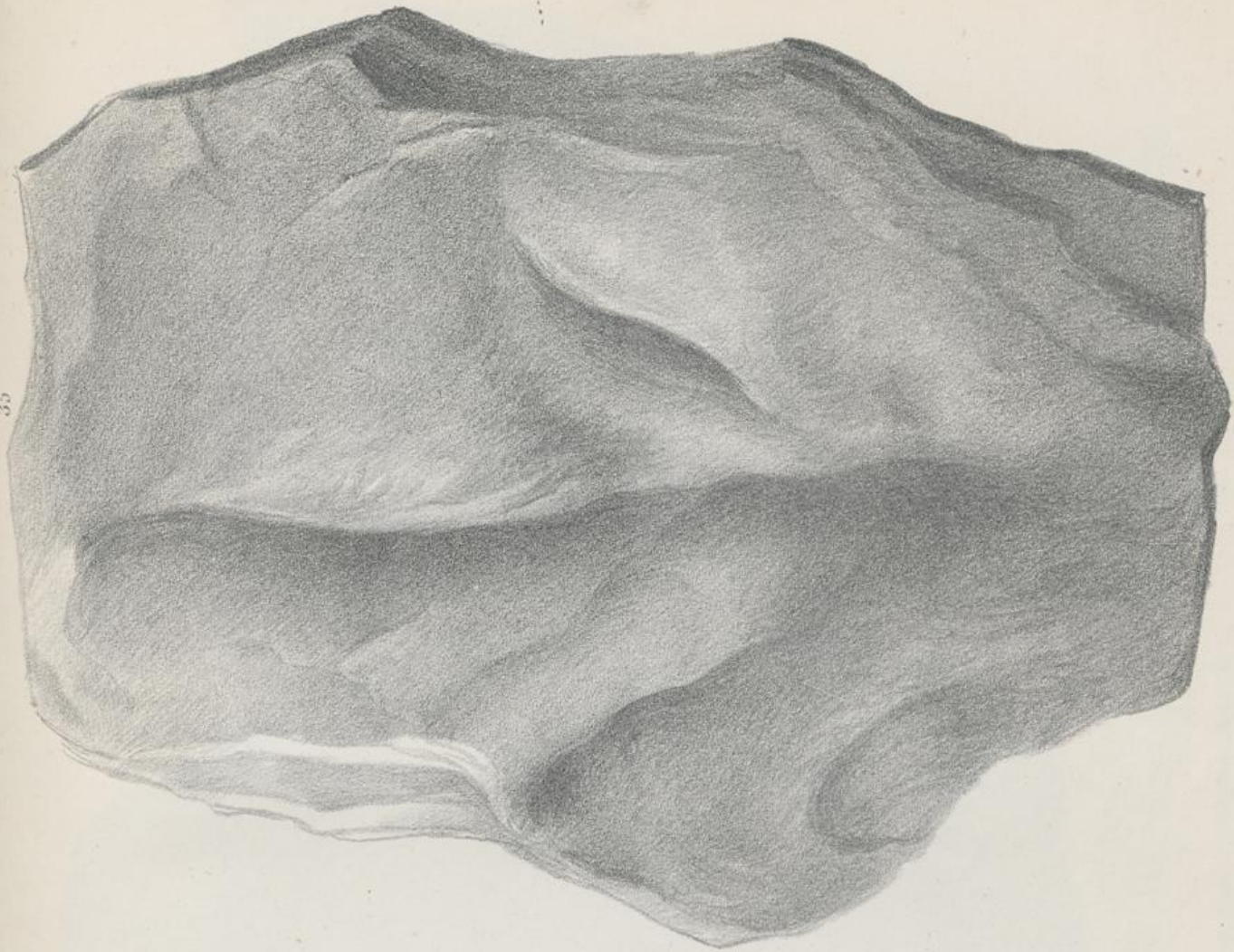
Tracy's Lithog. Boston.

Fossil Footprints.

J. Peckham del.



35



33



34

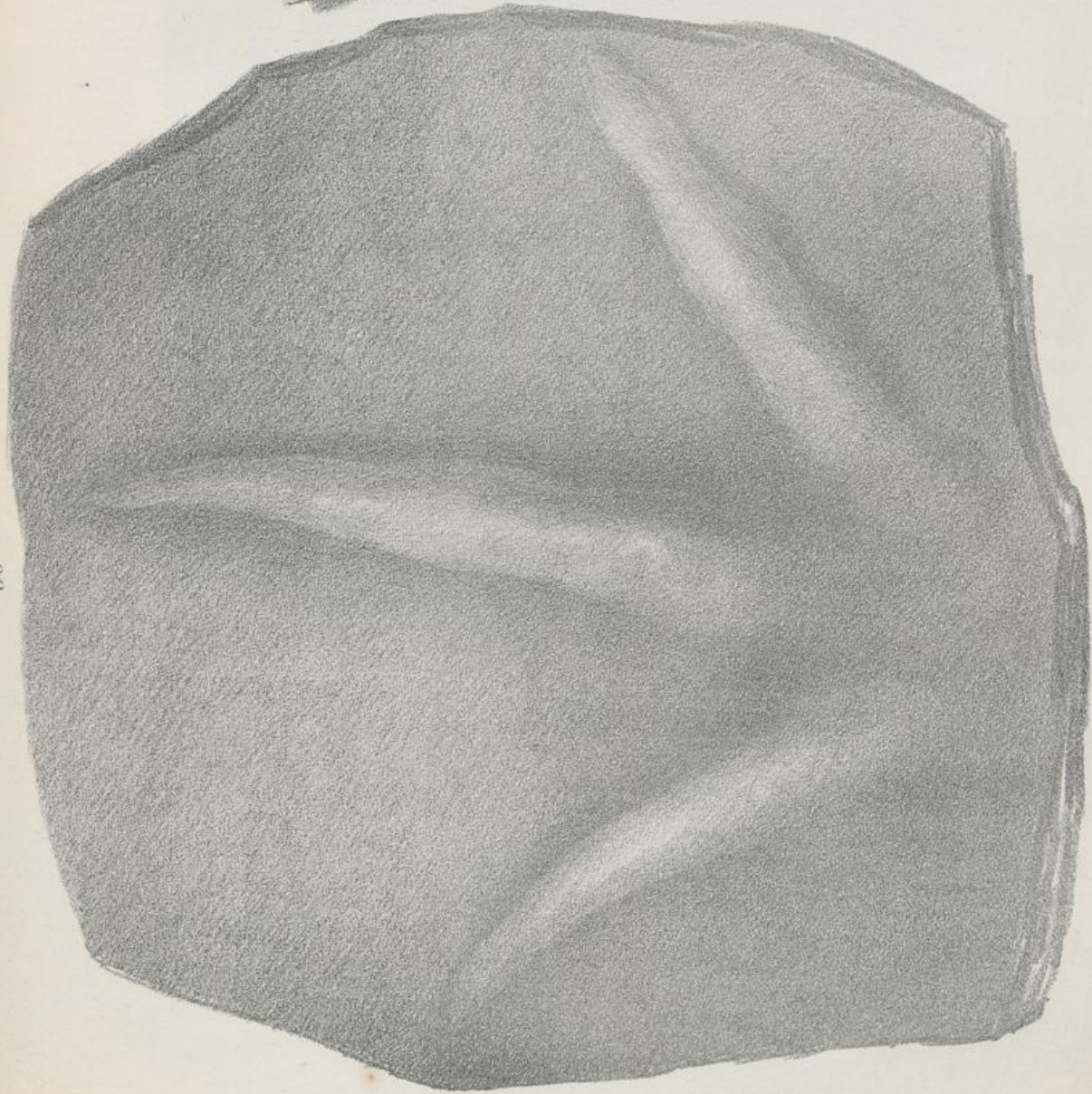
J. Peckham, del.

FOSSIL FOOTMARKS.

Tracy's Libl. Boston.

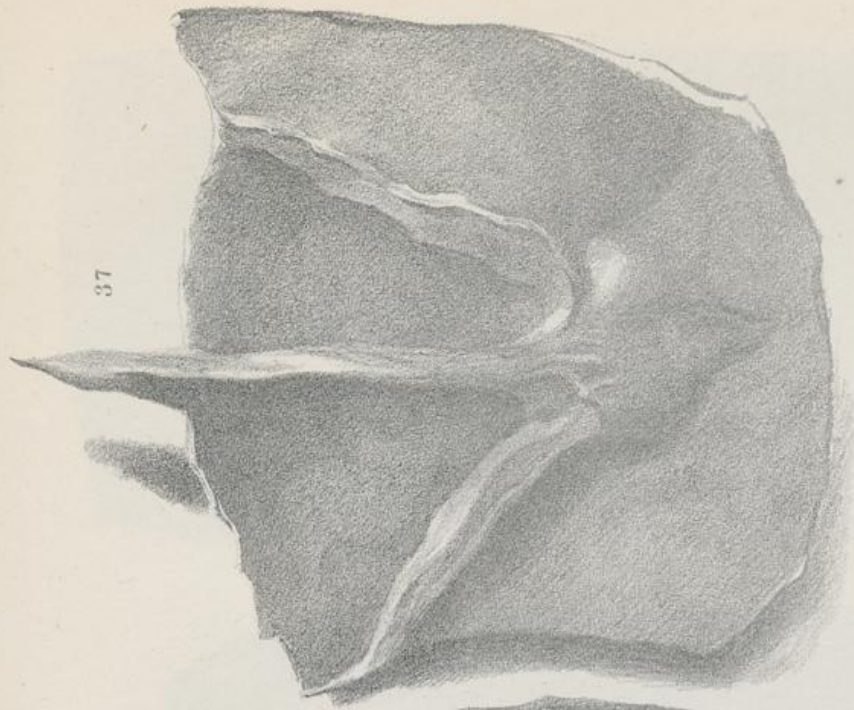


36



J. Peckham del.

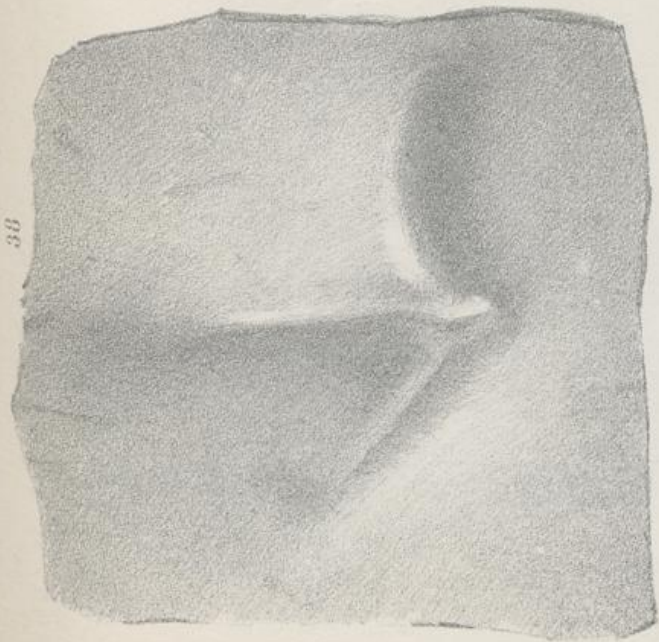
37



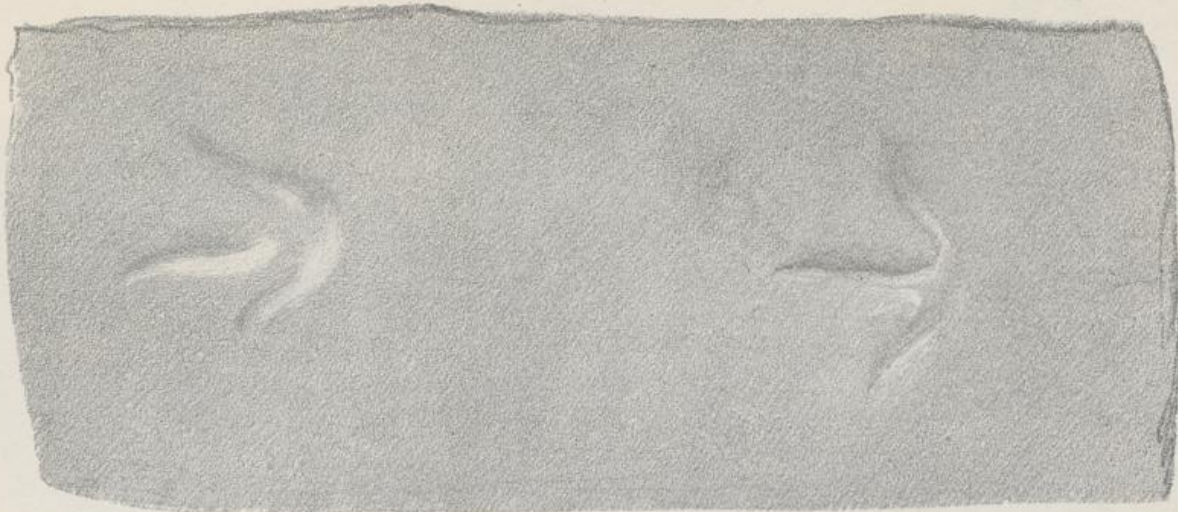
B. W. Thayer's Lithog. Boston.

FOSSIL FOOTMARKS.

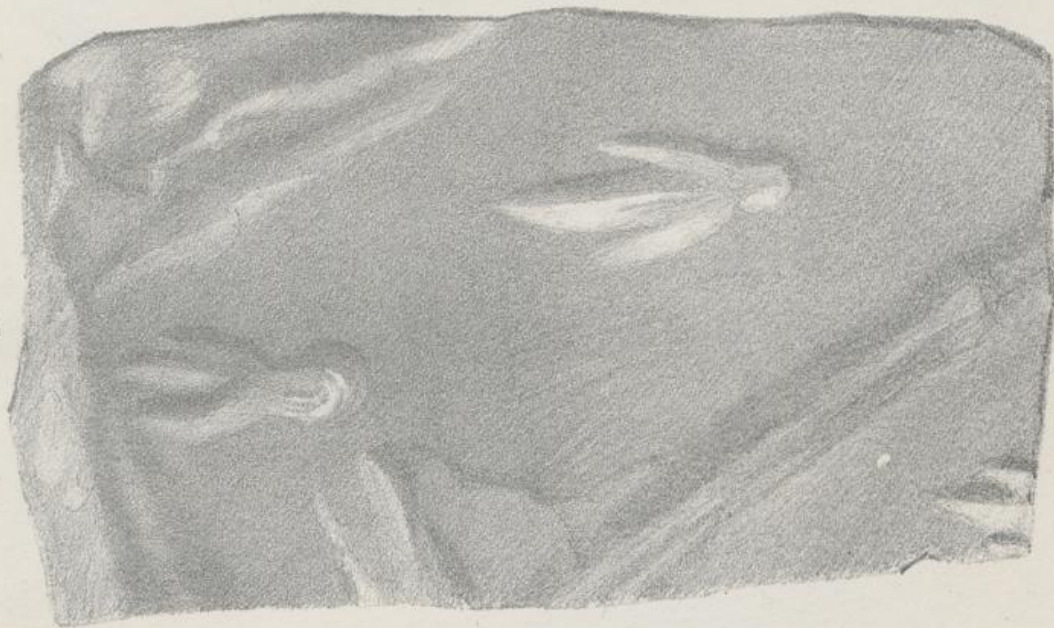




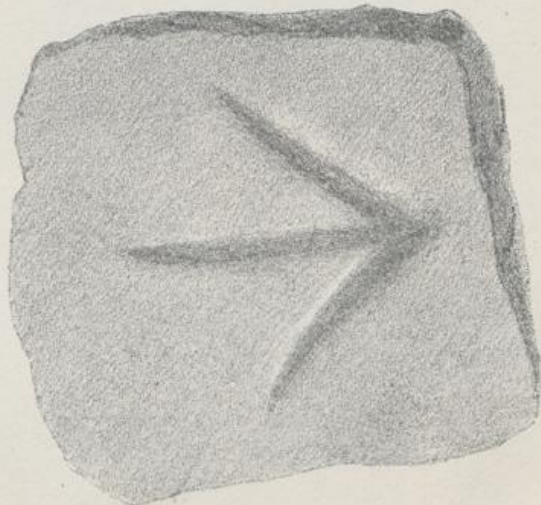
38



41



40



39

T. Peckham del.

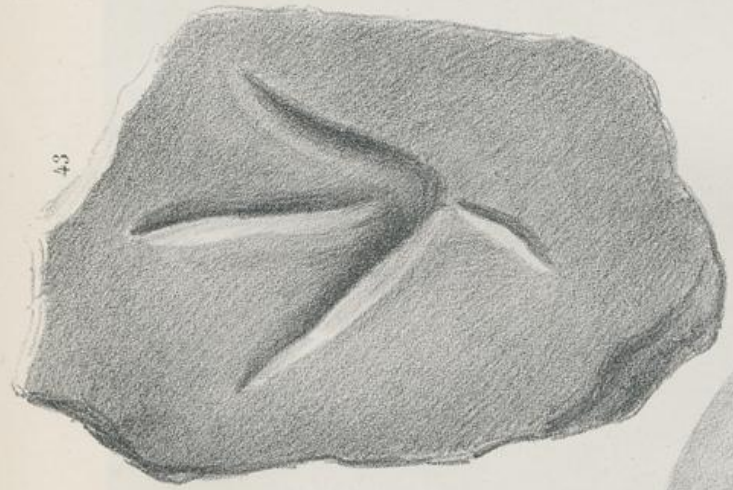
FOSSIL PODOPHYTES

Wheeler Lithog. Co. Boston.

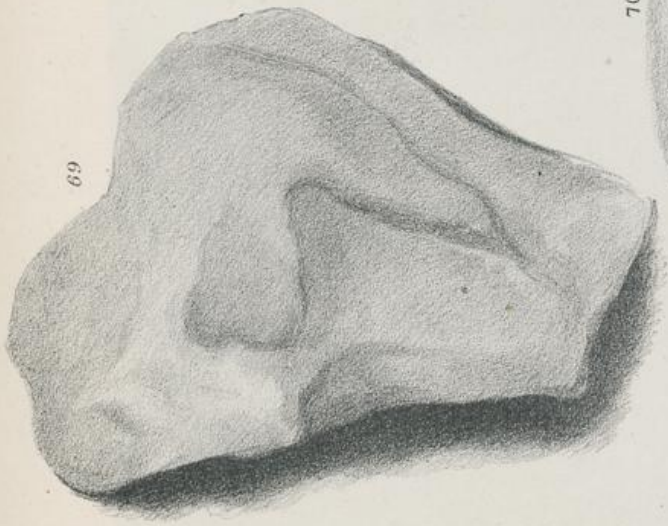




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43



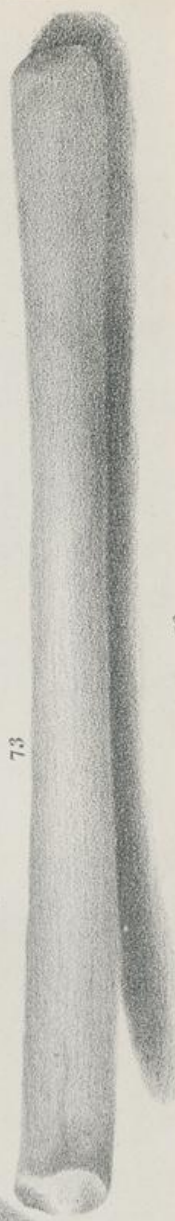
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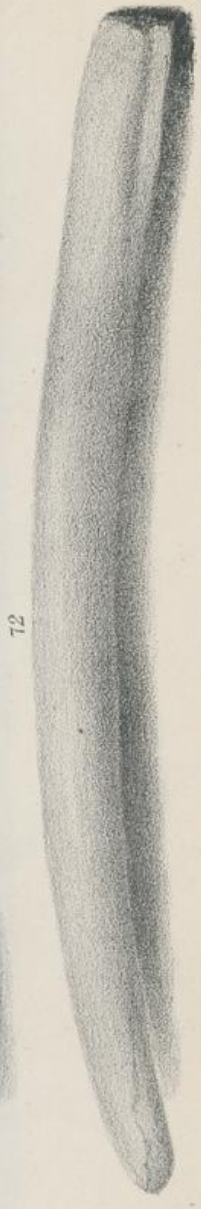
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71



73

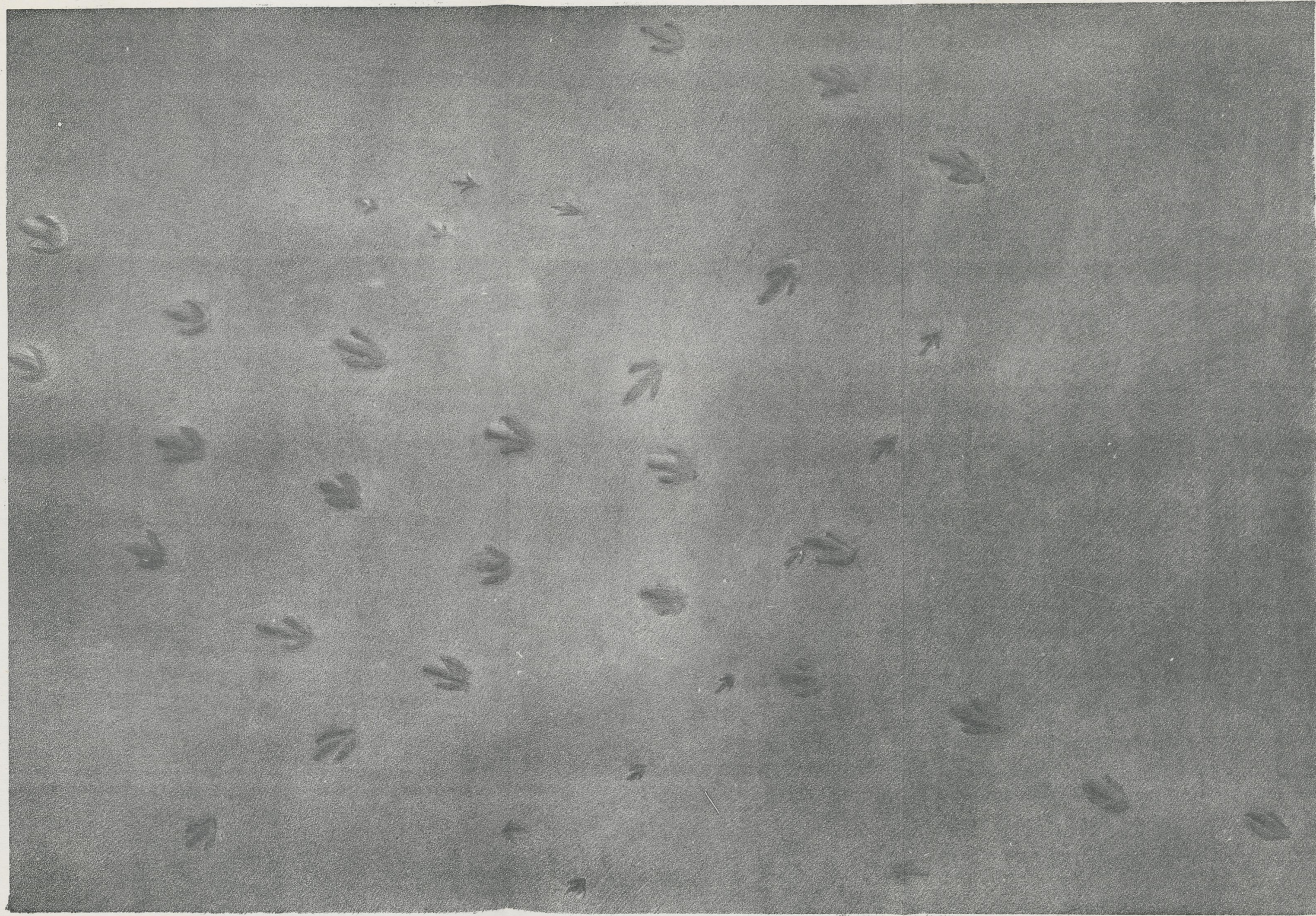


72

Thayer's Lithography, Boston.

FOSSIL FOOTMARKS AND BONES.

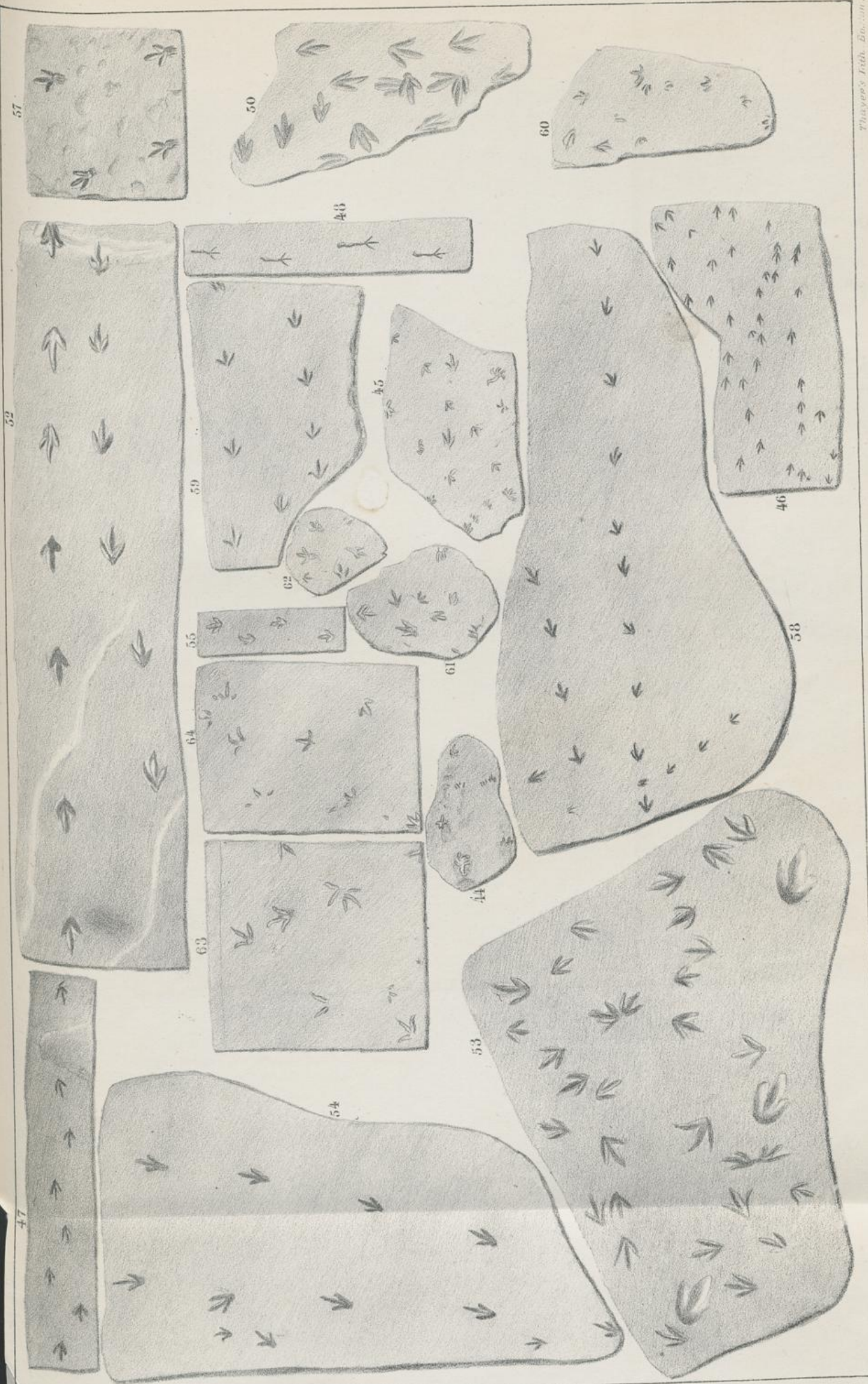
J. Feckham del.



J. Peckham. del.

Fossil Footmarks.

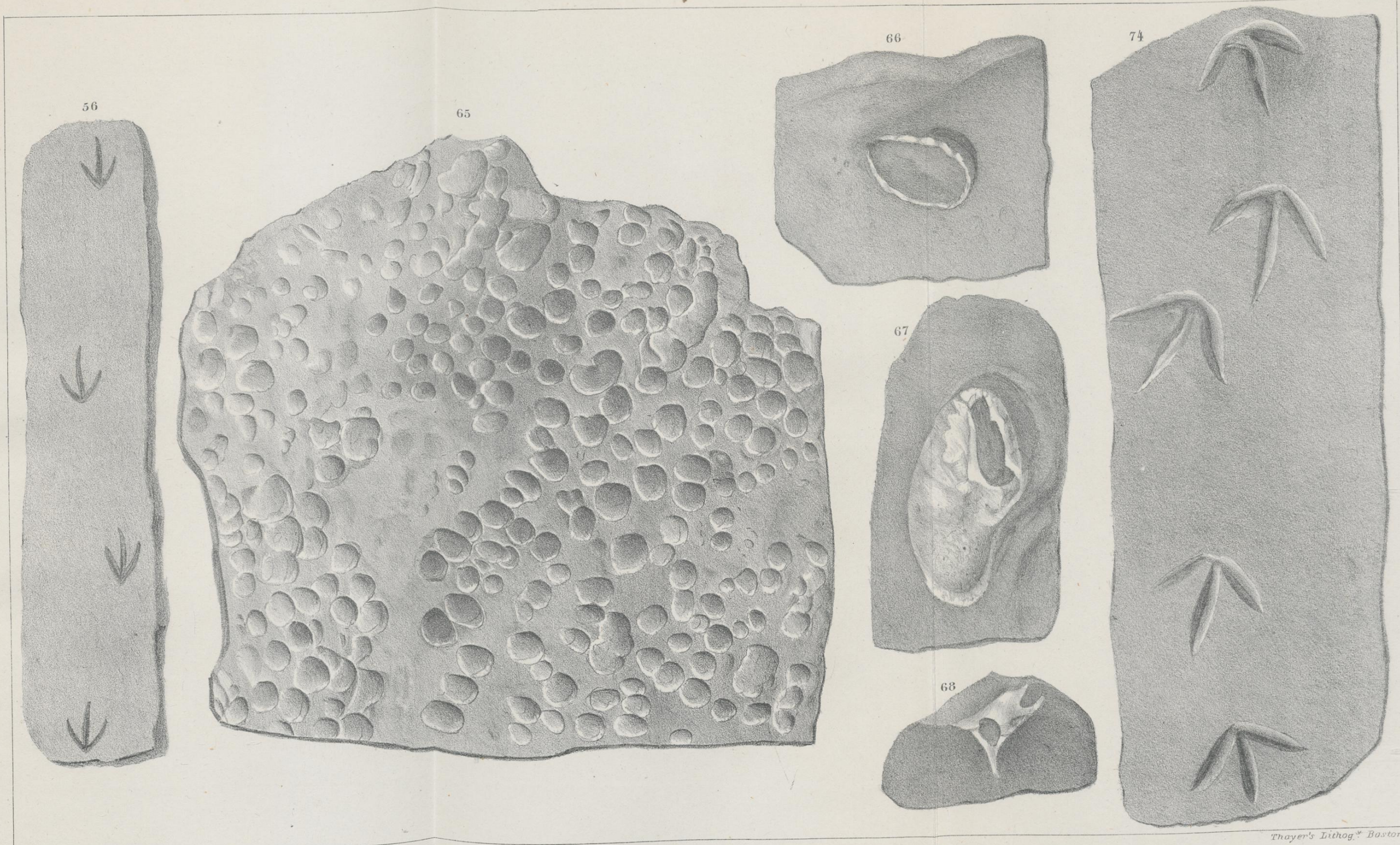
B. W. Thayer's Lithography, Boston.



*Thrypops Fidd. Em. etc.*

Fossil Footmarks, Scale 1/4 inch to the foot.

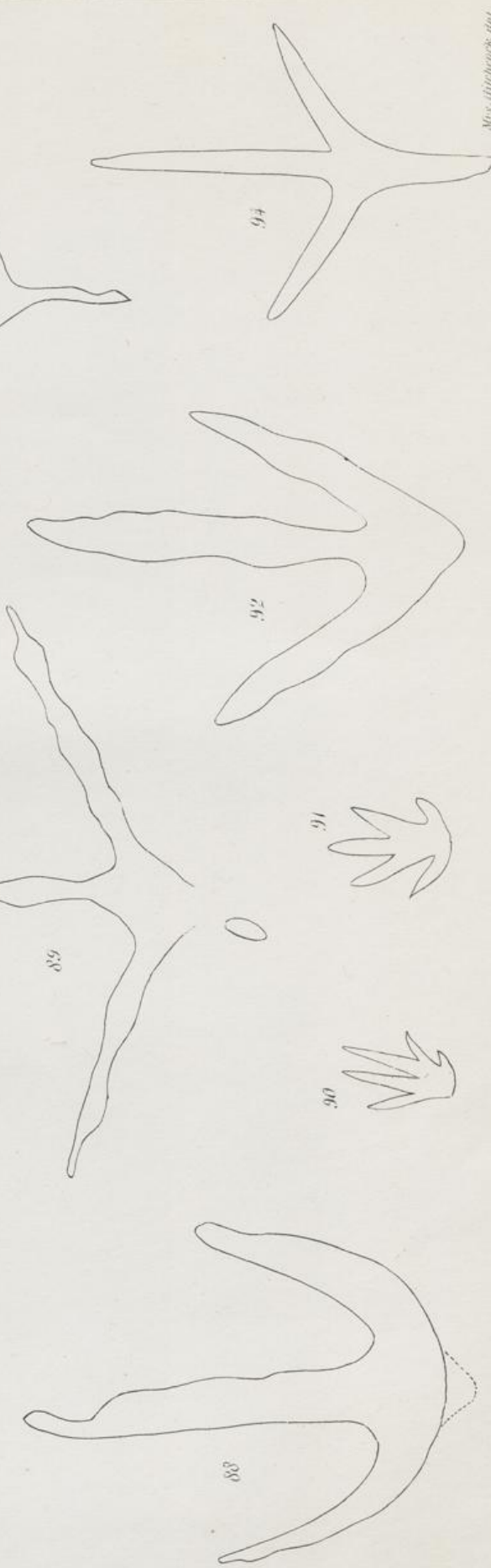
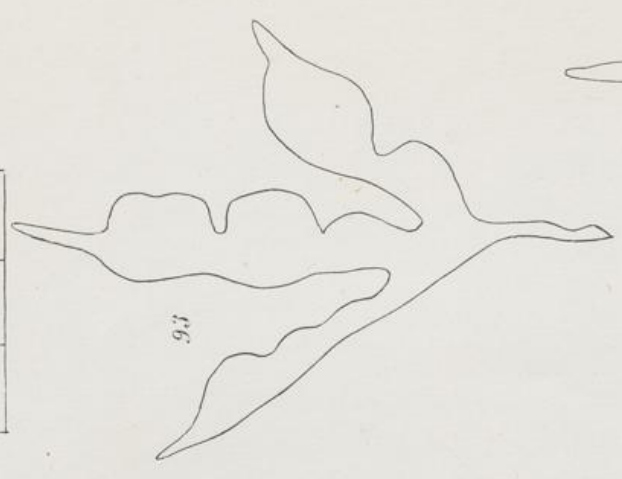
J. Peckham dr.



J. Peckham del.

FOSSIL FOOTMARKS, RAIN DROPS AND BOXES.

Thayer's Lithog. Boston.

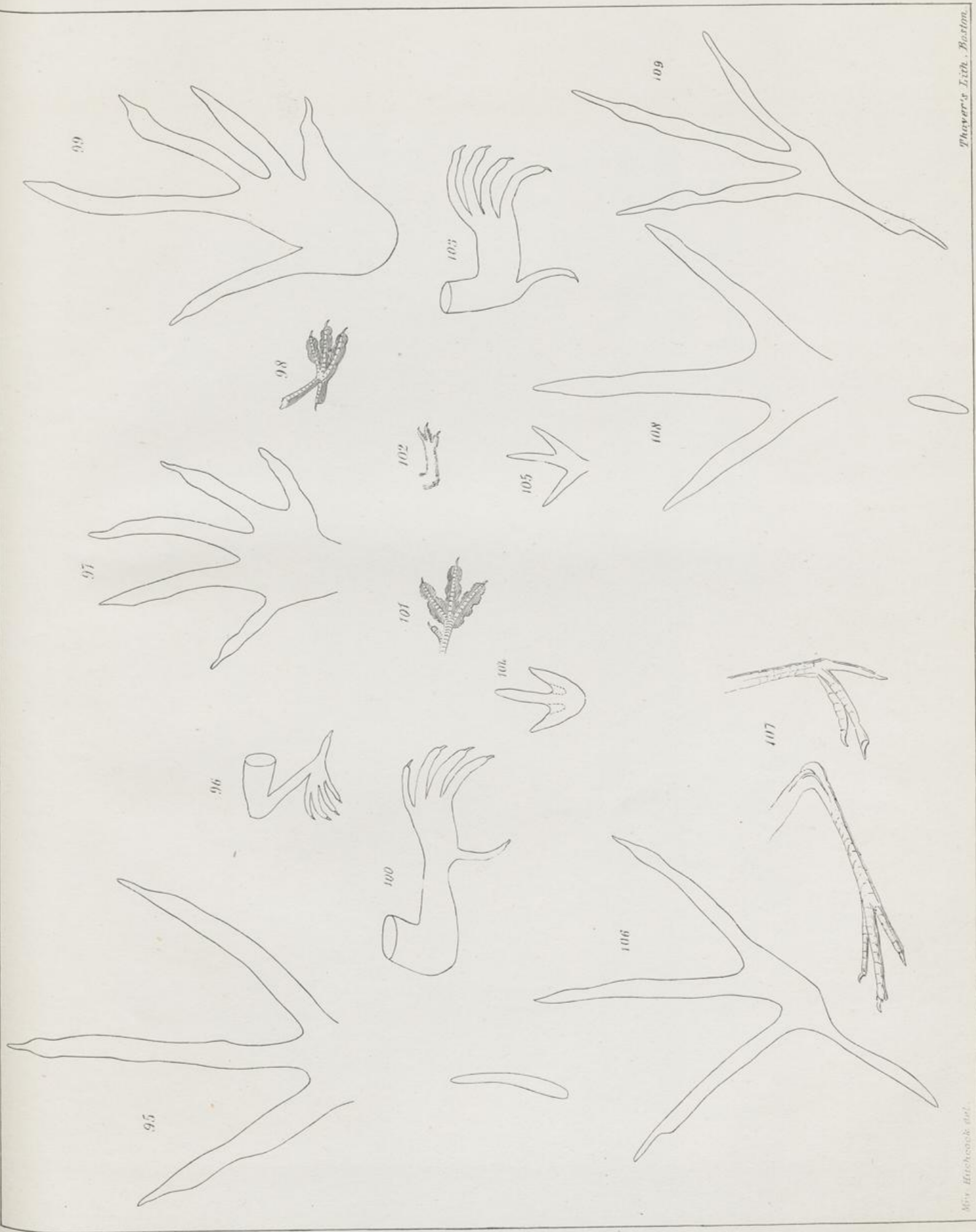



Mrs. Libbey's coll.

Thayer's Lith. Boston.

Tracks of living animals.

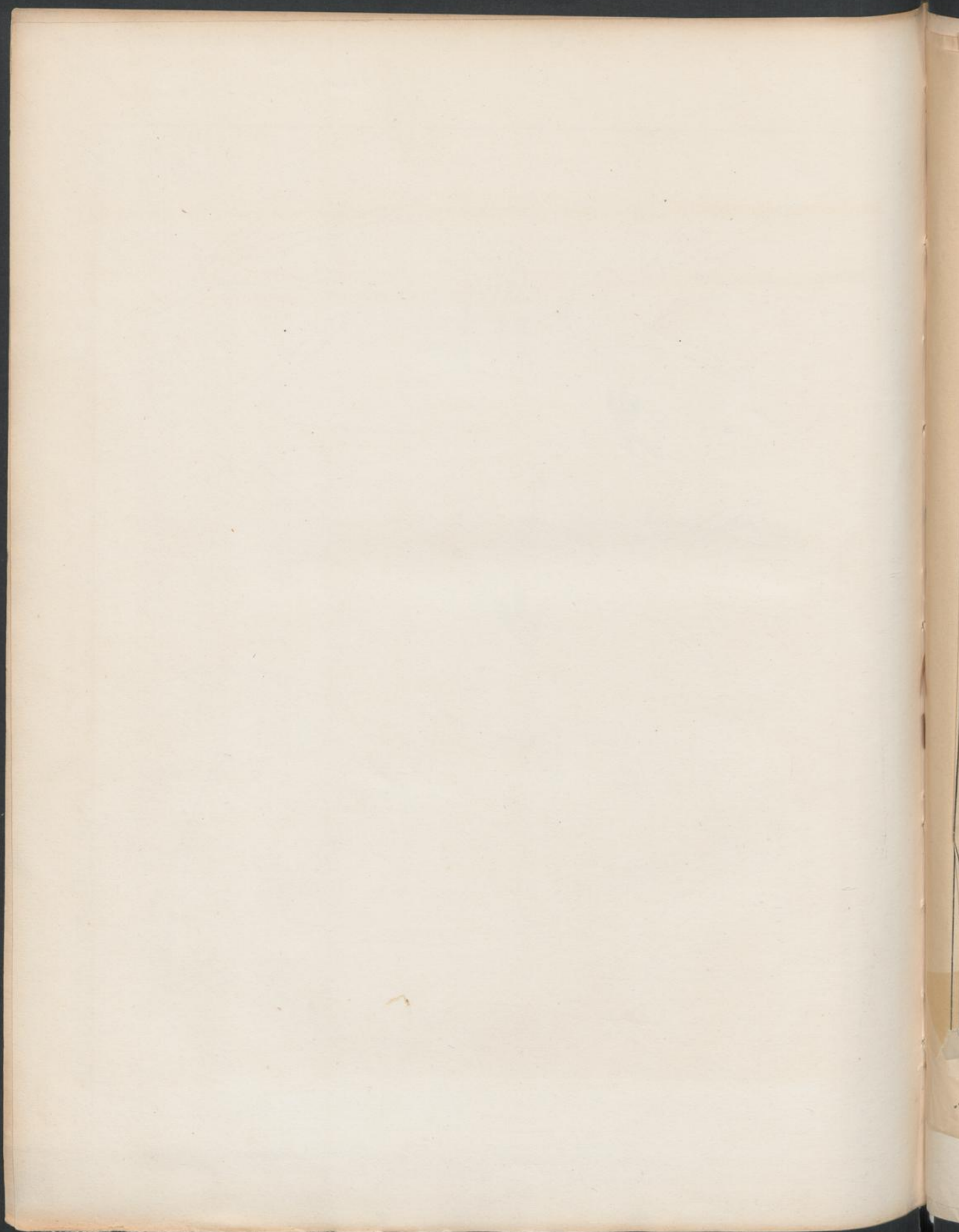




Thayer's Lith. Boston.

Mrs. Hatcher's del.

Feet and Tracks of Living Animals.





**Explanation of Marks.**

Strike of the Strata —————>

Dip of the Strata ————>

Axes of Elevation ————>

Axes of Depression ————>

Systems of Elevation

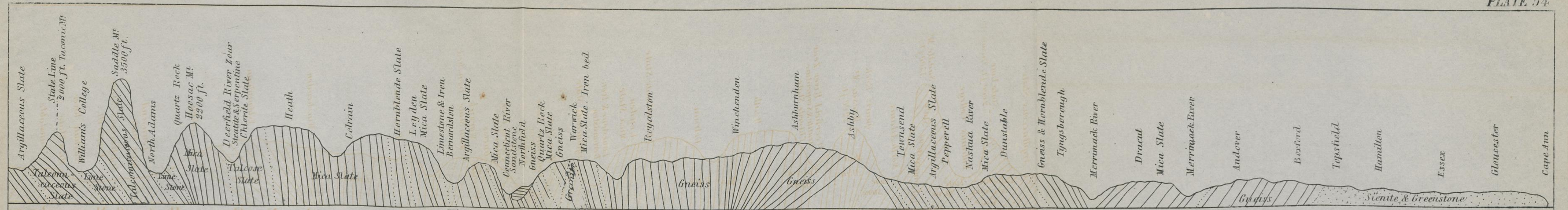
Diluvial Furrows ————>

Course of Veins & Beds of Ore ————>

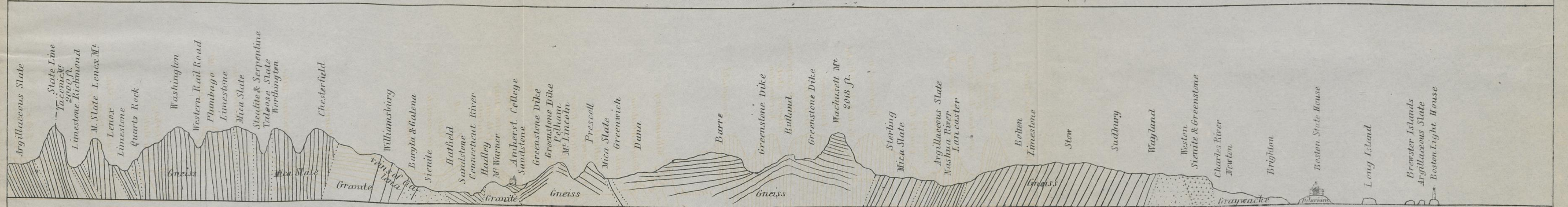
State & County Lines ————>

**MAP**  
 SHOWING THE  
**STRIKE AND DIP OF THE STRATA;**  
**THE AXES OF ELEVATION AND DEPRESSION;**  
**THE SYSTEMS OF ELEVATION;**  
**THE COURSE OF THE DILUVIAL FURROWS,**  
**AND OF THE VEINS AND BEDS OF ORE,**  
**IN**  
**MASSACHUSETTS.**

Thayer & Co. Lithography Boston.



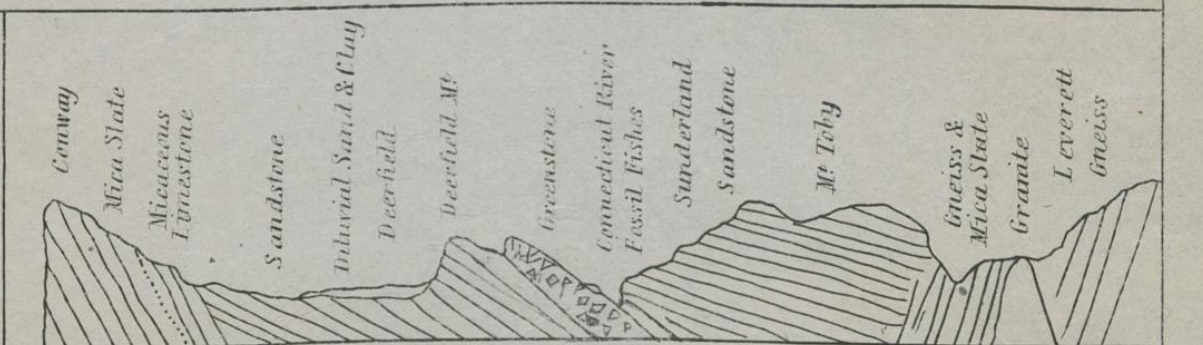
East & West Section across the Northern Part of Massachusetts (A)



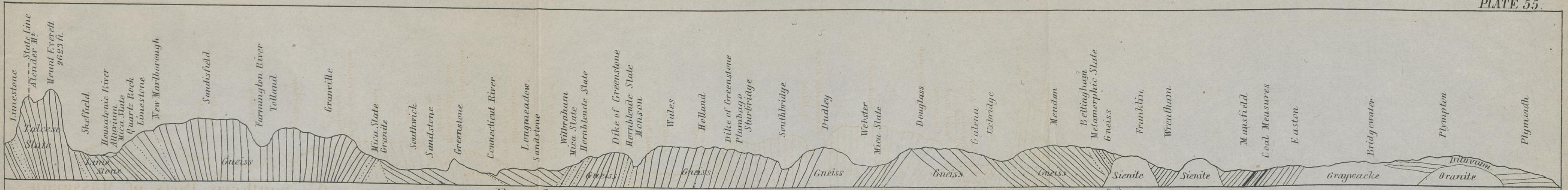
East & West Section across the Central Parts of Massachusetts. (B)



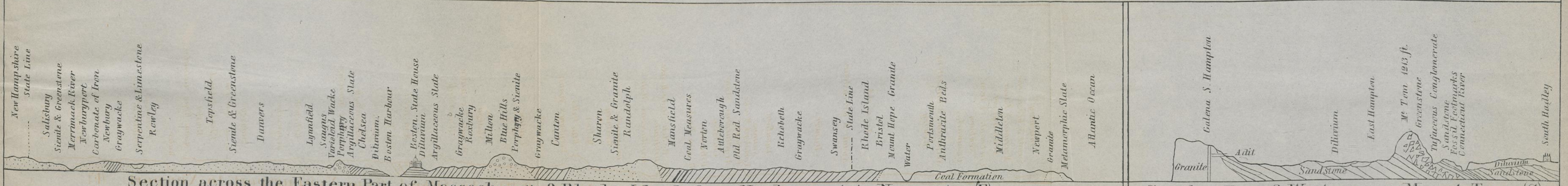
Sectional View of Gay Head. Coloured according to Nature. (C)



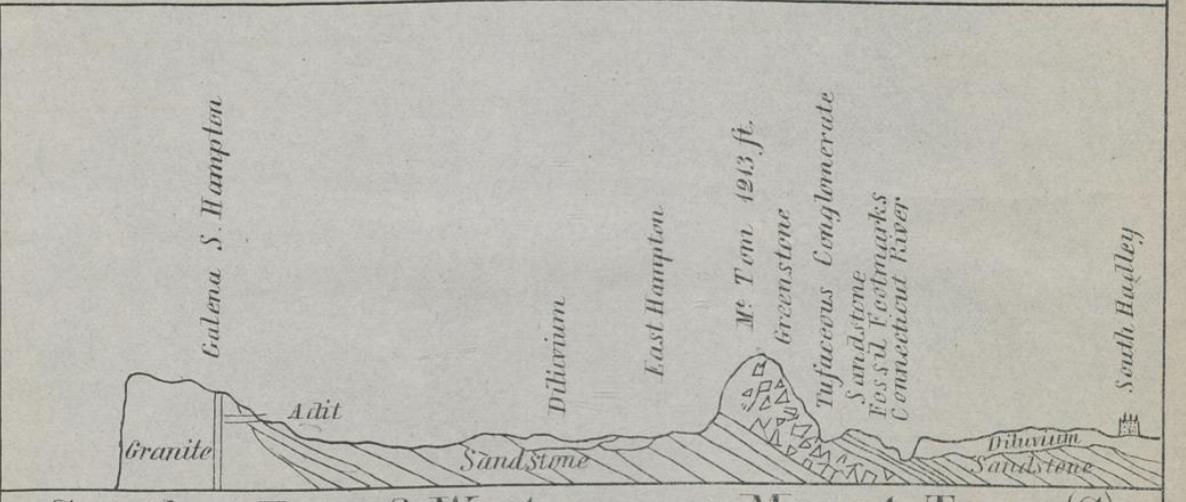
East & West Section across Mount Toby (D)



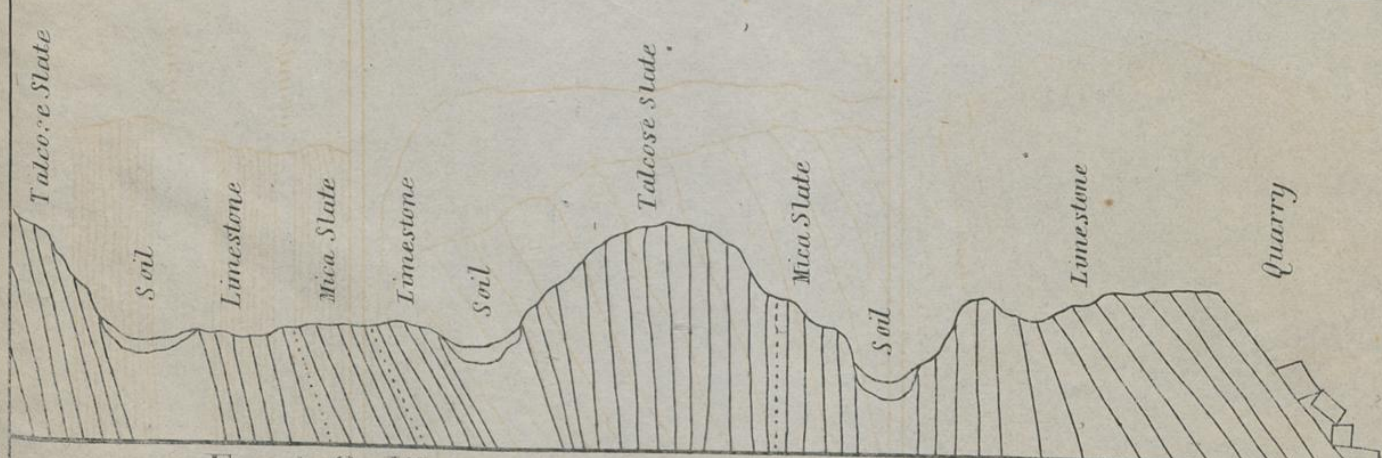
East & West Section across the Southern Parts of Massachusetts (E)



Section across the Eastern Part of Massachusetts & Rhode Island from Newburyport to Newport (F)



Section East & West across Mount Tom (G)



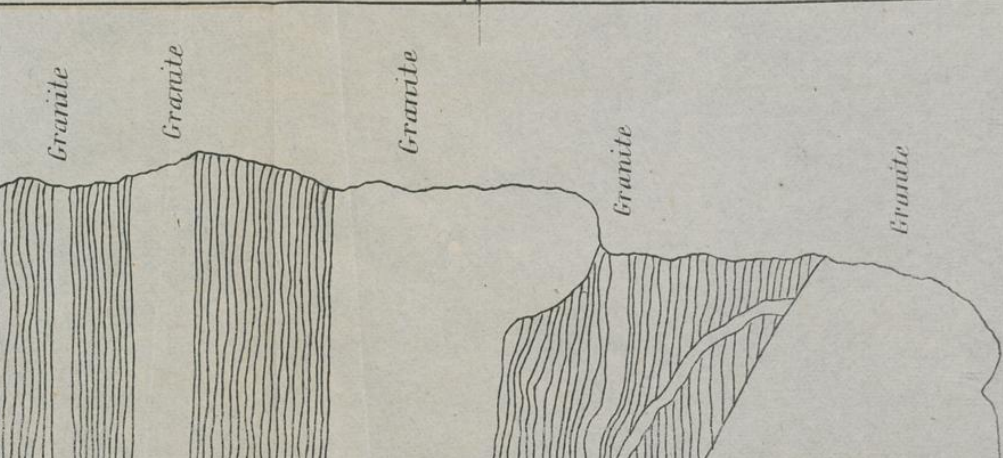
East & West Section in West Stockbridge (H)



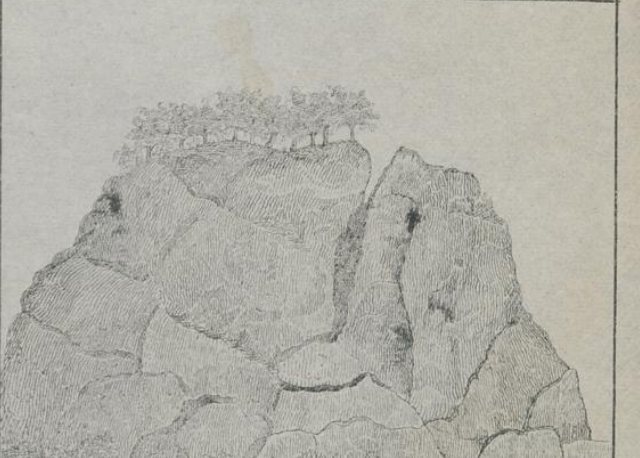
Junction of Mica Slate & Limestone at Boynton's Quarry W. Stockbridge (I)



South End of the Bed of Iron Ore in West Stockbridge (M)



Veins of Granite in Mica Slate West Hampton (N)



Hummock of Dolomite, Lee (O)

