

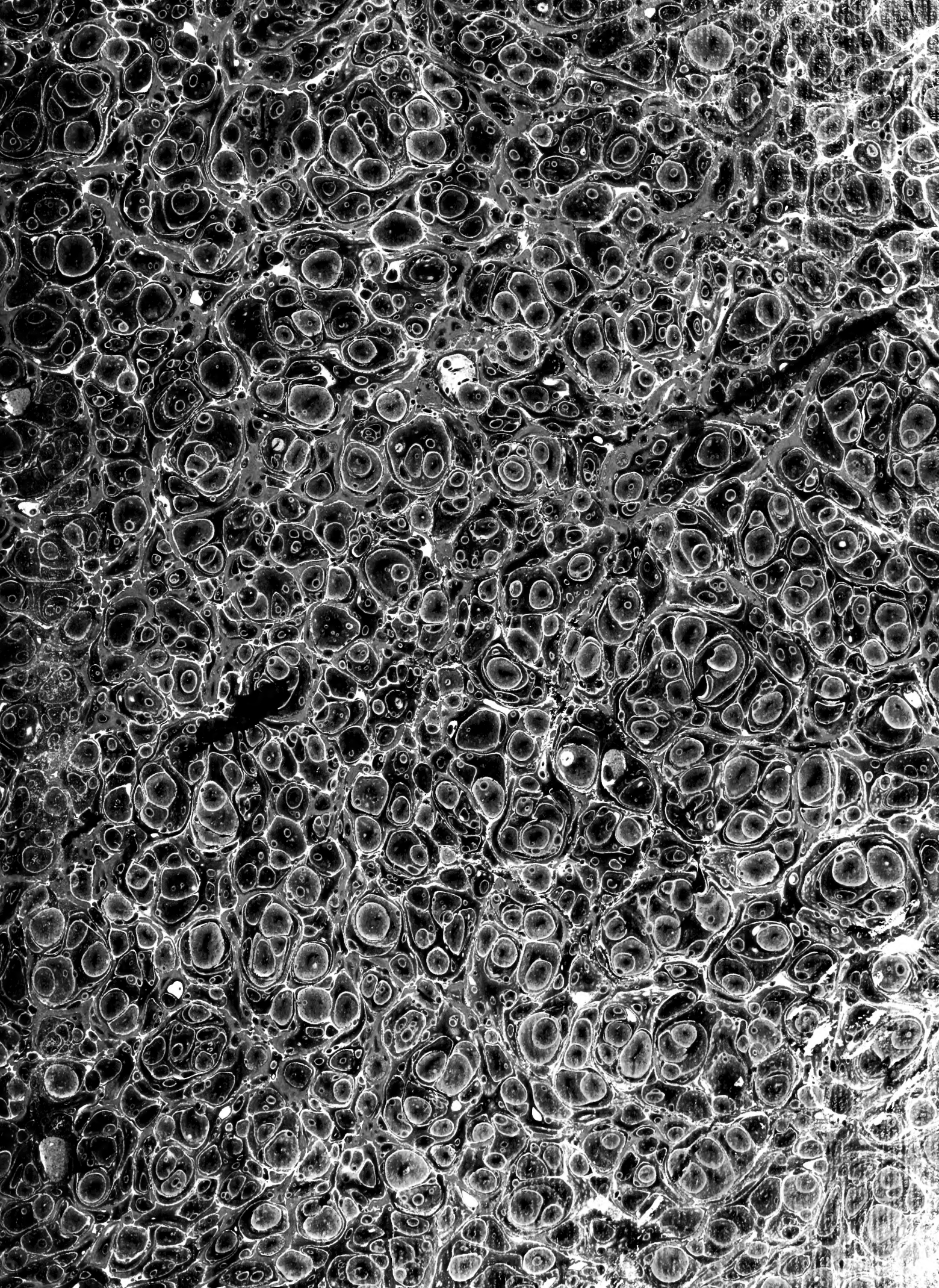
Library of the Museum
OF
COMPARATIVE ZOOLOGY,

AT HARVARD COLLEGE, CAMBRIDGE, MASS.

Founded by private subscription, in 1861.

DR. L. DE KONINCK'S LIBRARY.

No. 1639.



THE UNIVERSITY OF CHICAGO
DEPARTMENT OF CHEMISTRY
PHYSICAL CHEMISTRY
PH.D. THESIS

BY

JOHN J. HARRIS

Submitted in partial fulfillment of the requirements for the degree of Doctor of Philosophy
Department of Chemistry
The University of Chicago
Chicago, Illinois
1964

ICONOGRAPHIE
ZOOPHYTOLOGIQUE.

PARIS. — IMPRIMERIE DE FAIN ET THUNOT,
RUE RACINE, 28, PRÈS DE L'ODÉON.

ICONOGRAPHIE
ZOOPHYTOLOGIQUE,

DESCRIPTION

PAR LOCALITÉS ET TERRAINS

DES POLYPIERS FOSSILES DE FRANCE

ET PAYS ENVIRONNANTS,

PAR

HARDOUIN MICHELIN,

MEMBRE DE LA SOCIÉTÉ GÉOLOGIQUE DE FRANCE,

ACCOMPAGNÉE DE FIGURES LITHOGRAPHIÉES,

PAR LUDOVIC MICHELIN ET DELARUE FILS.

PLANCHES.

A Paris,

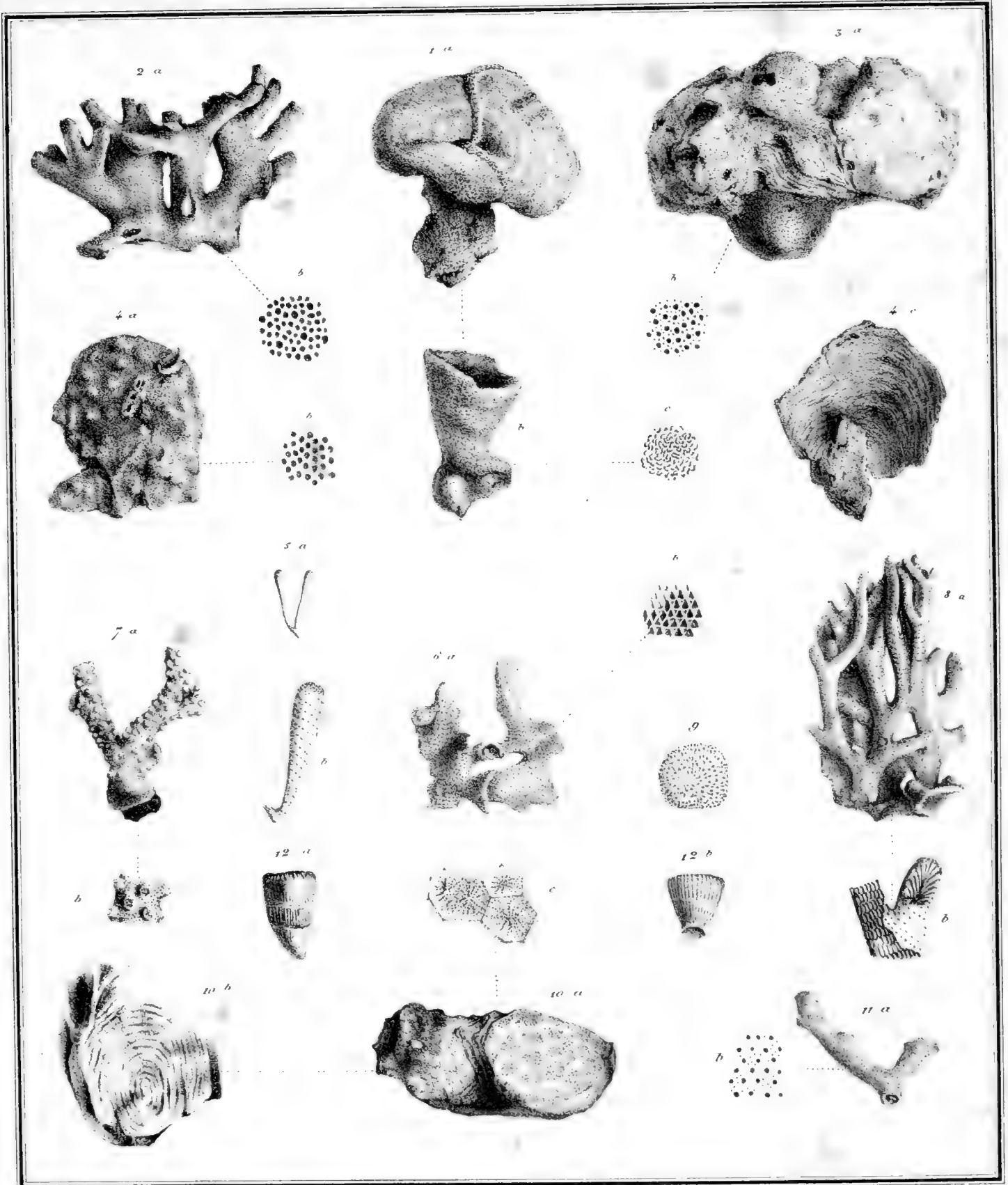
CHEZ P. BERTRAND, ÉDITEUR,

LIBRAIRE DE LA SOCIÉTÉ GÉOLOGIQUE DE FRANCE,

rue Saint-André-des-Arcs, 65.

—
1840 à 1847

MCZ LIBRARY
HARVARD UNIVERSITY
CAMBRIDGE, MA USA



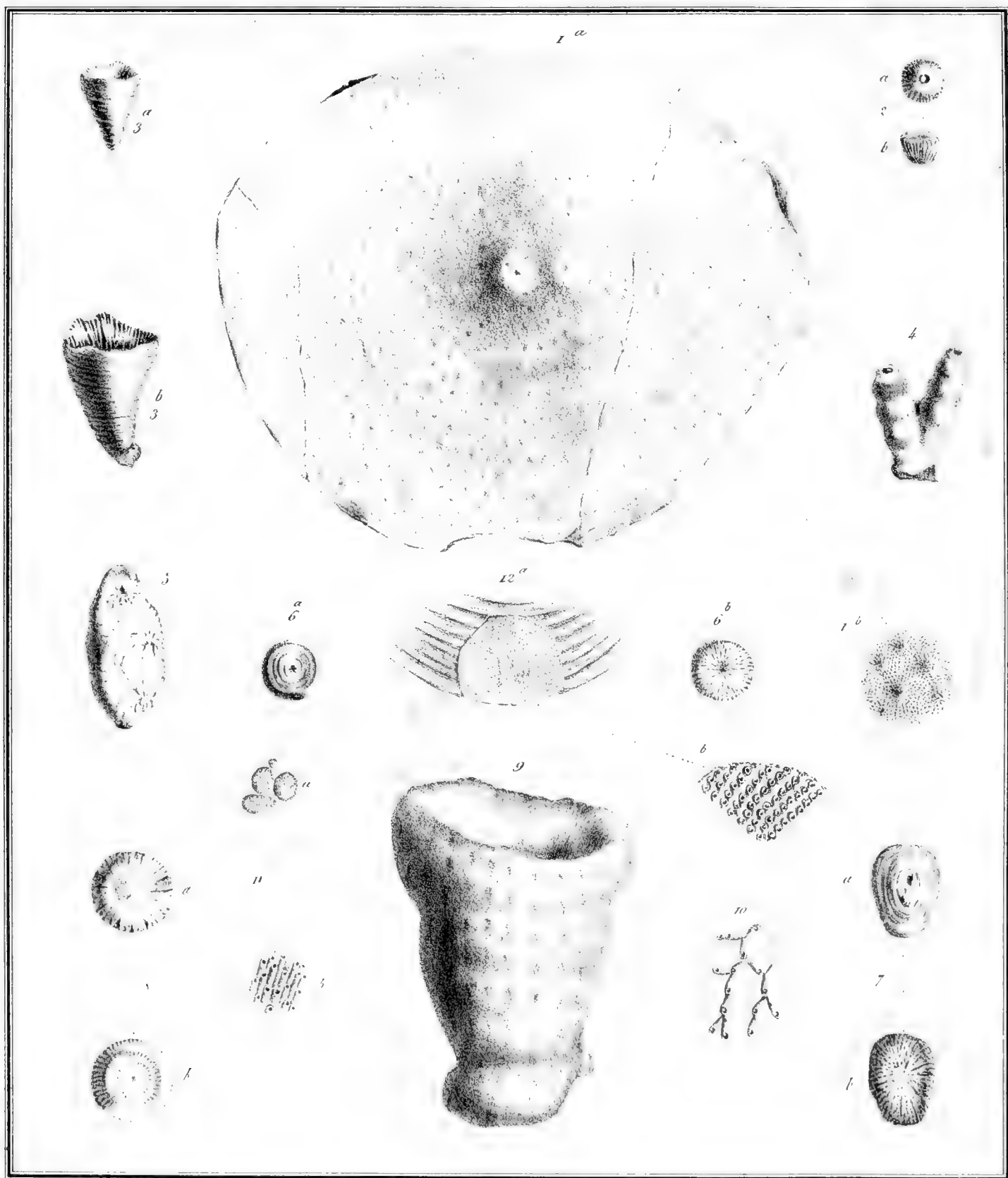
Travaux de Michelin in loco.

Liv. de Thierry Frère

1	<i>Spongia boloidiformis.</i>	Michelini	5	<i>Criopora coliformis</i>	Michelini	9	<i>Diasopora graalis</i>	Michx. Edwards.
2	<i>Heteropora cryptopora.</i>	Blainville	6	<i>Eschana triangularis</i>	_____	10	<i>Ceripora Landriotti</i>	Michelini
3	_____ <i>spongioides</i>	Michelini	7	<i>Ceripora Raulini</i>	_____	11	<i>Heteropora dichotoma</i>	Blainville
4	<i>Ceripora polymorpha</i>	Goldfuss	8	<i>Criopora graalis.</i>	_____	12	<i>Turbanoelia conulus</i>	Michelini



OOLITHE INFÉRIEURE.
DÉP. DU CAIVADOS.

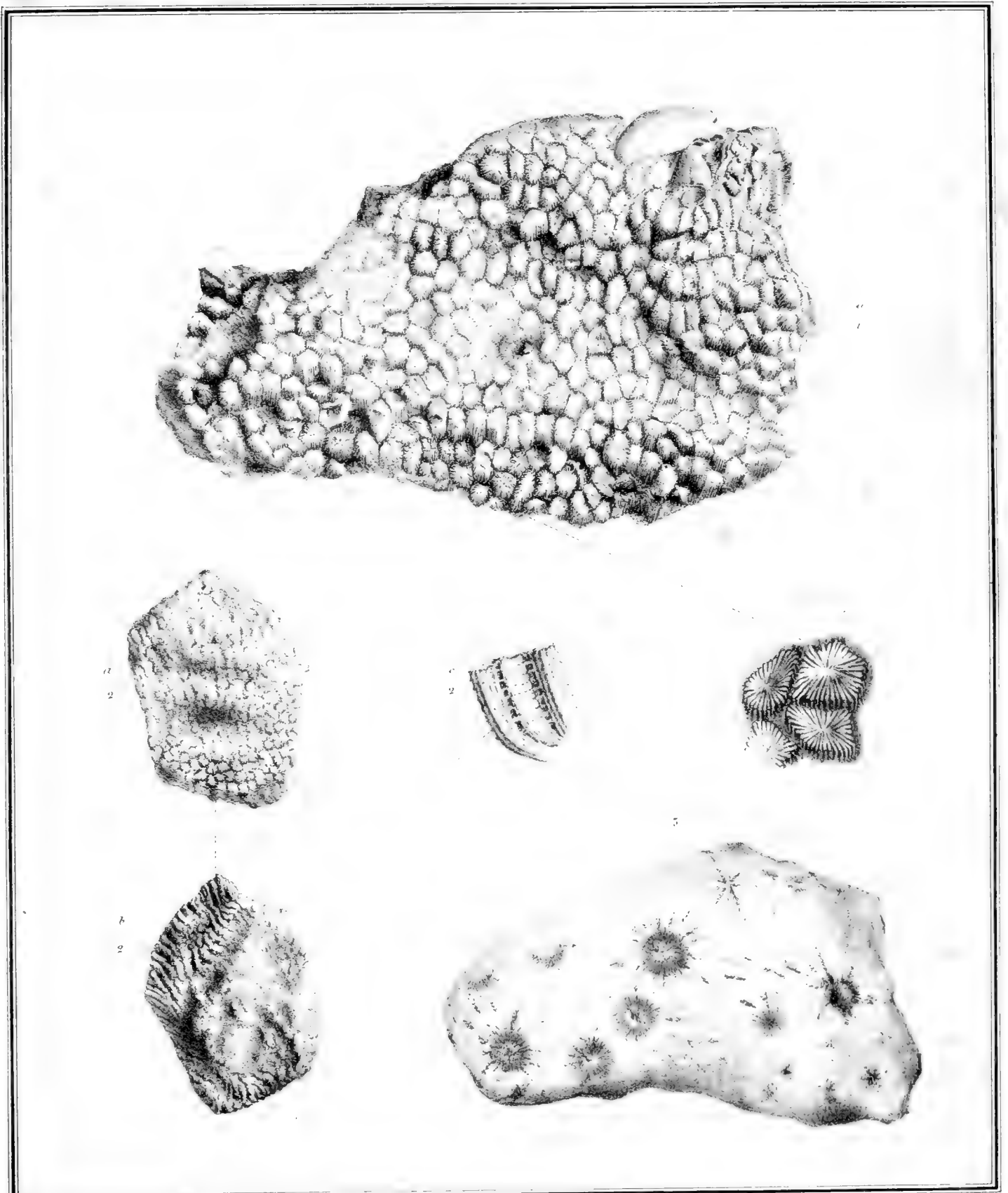


collected by Michelin in 1849

collected by Thuyet in 1849

1. <i>Astrea DeFranciana</i>	Michelin	3. <i>Spongia stellata</i>	Lamouroux	9. <i>Siphia costata</i>	Goldfuss
2. <i>Turbonella Magnavelliana</i>	_____	6. <i>Cycolites orbitolites</i>	Michelin	10. <i>Aleto dichotoma</i>	Lamouroux
3. <i>Caryophyllia arctostemonium</i>	_____	7. _____	_____	11. <i>Unstipora verrucosa</i>	M. Edwards
4. <i>Spongia Savouretis</i>	Lamouroux	8. _____	_____	12. _____	Michelin





Inbosc Michelin in l'op.

lith. de Thiery Paris

1 *Astrea polygonalis*

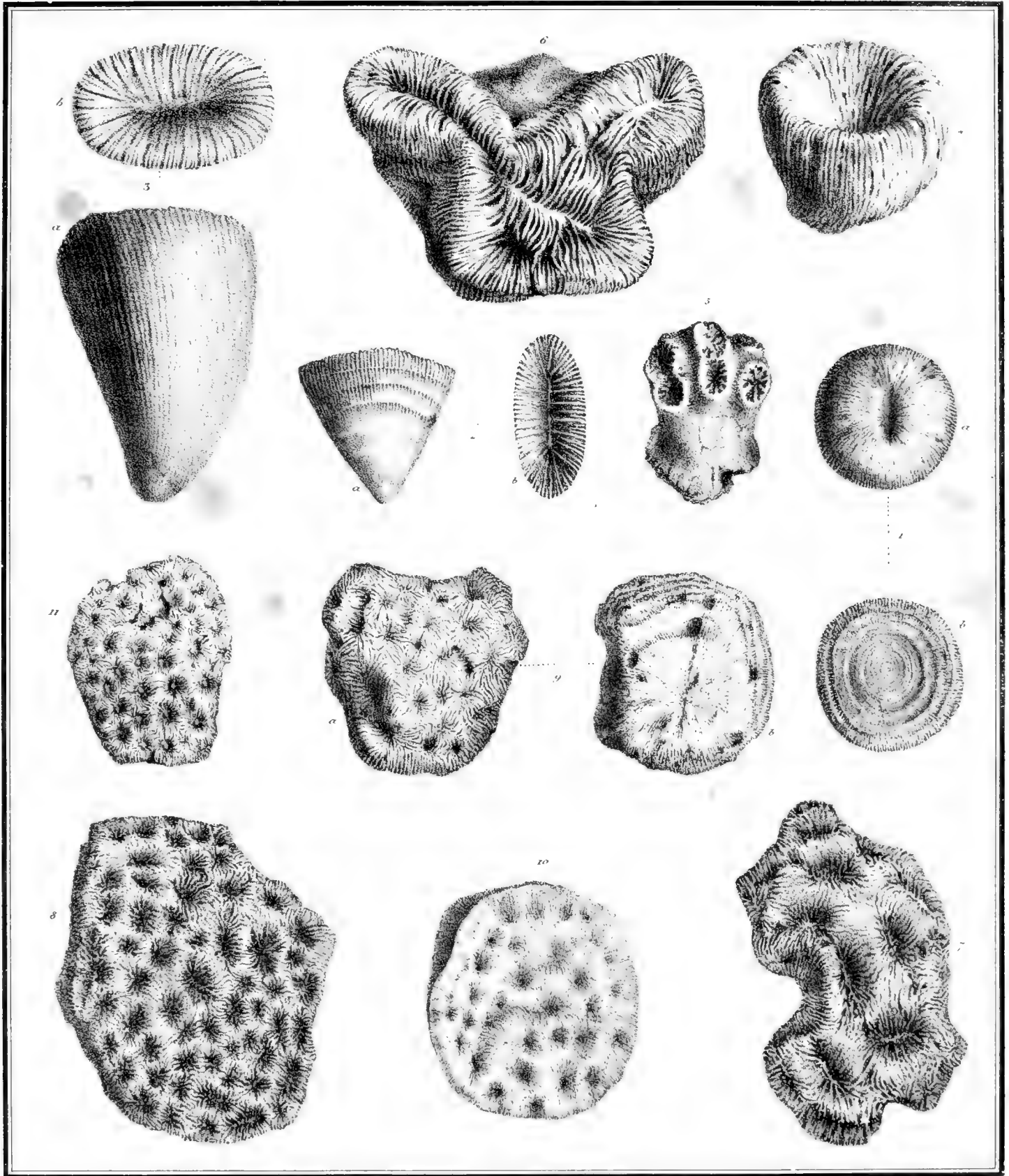
Michelin. || 2 *Sarcinula Archiacii*

Michelin.

3 *Spongia basica* Michelin.



GRÈS VERT D'UCHAUX
DEP^t DE VAUCLUSE.



Endové Michelin in lap.

- 1 *Cydonites discoides*
- 2 *Meridocia compressa*
- 3 *_____ rudis*
- 4 *Caryophyllia globosa*

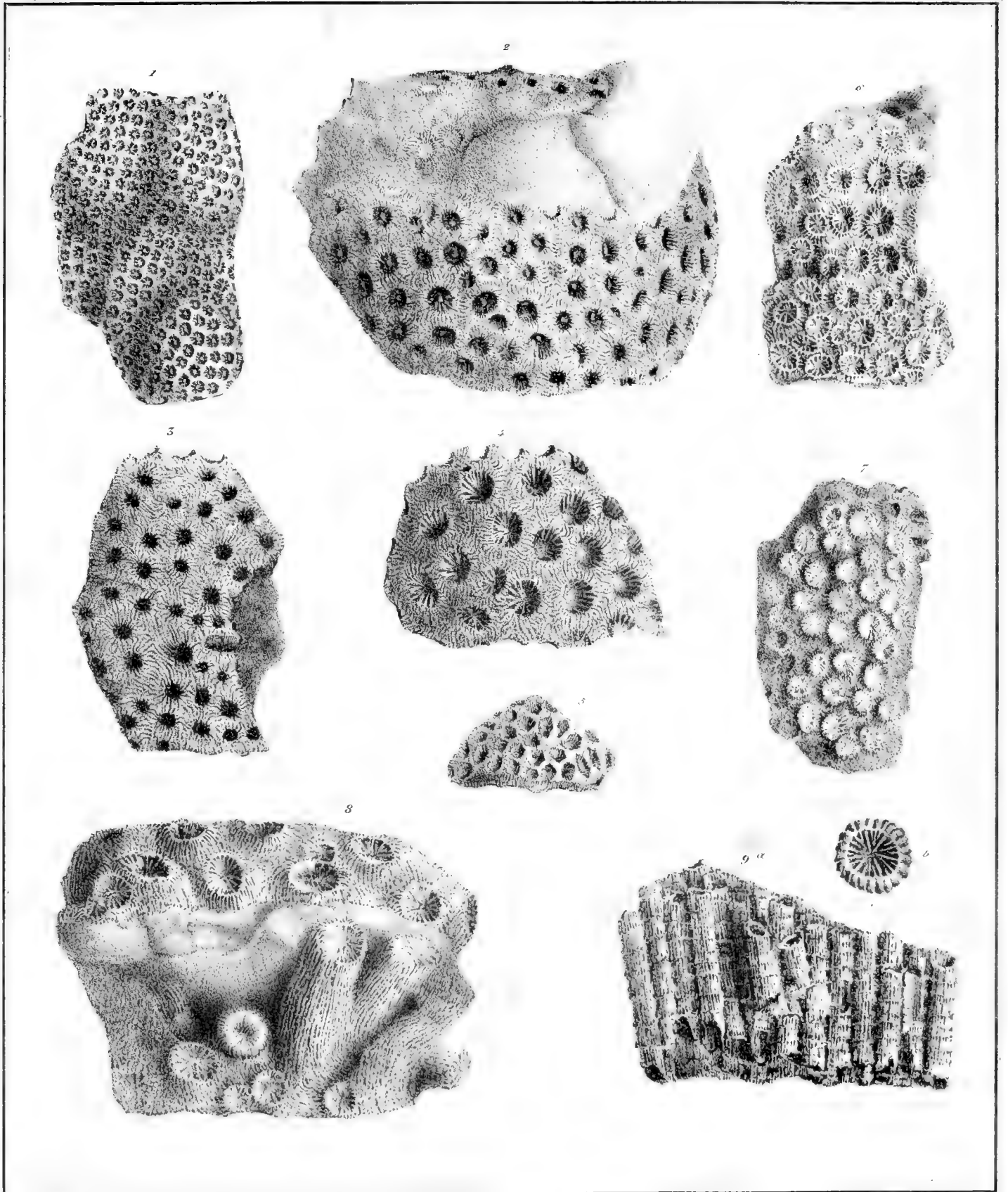
Blainville
Lamarck
Michelin

- 5 *Dendrophyllia truncatilis* Michelin'
- 6 *Lobophyllia Nequiana*
- 7 *Astrea pseudomeandrina*
- 8 *_____ lamellestrata*

- 9 *Astrea lagenum*
- 10 *_____ agurcetes*
- 11 *_____ manaxena*

Lith de Thierry Leves
Blainville
Goldfuss
Michelin





Ludovic Michelin, in type

1 *Astrea reticulata*
 2 ——— *terminaria*
 3 ——— *pulexalis*

Goldfuss
 Michelin

4 *Astrea ciliata*
 5 ——— *vesparia*
 6 ——— *sulcata-lamellosa*

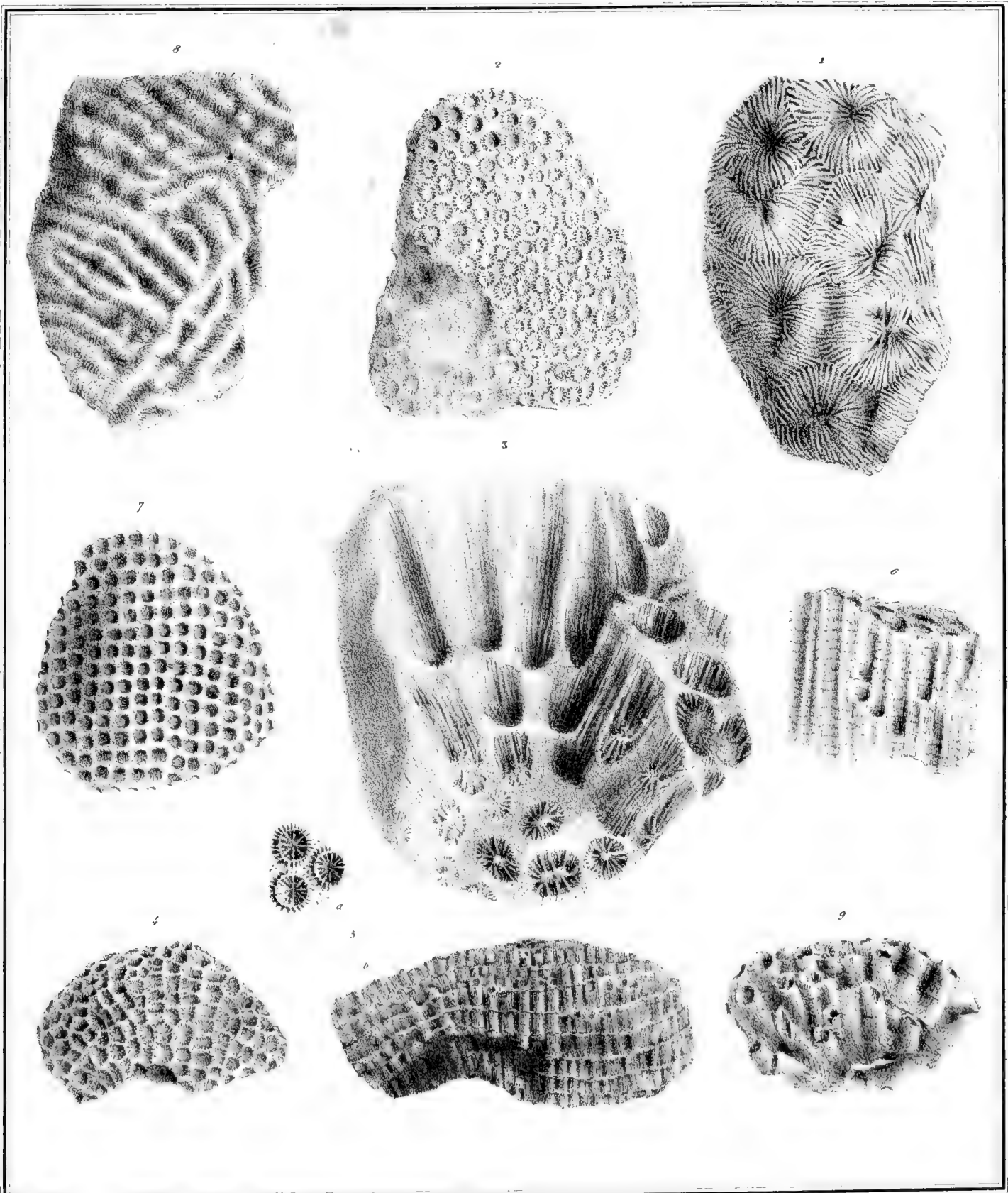
Michelin

7 *Astrea vallisclusae*
 8 ——— *varians*
 9 *Syglina fenestrata*

Lith. de Thierry Sieves

Michelin





Ludovic Michelin in l'op
 1 *Astrea lamellosissima* Michelin
 2 ————— *Dalmaniana* —————
 3 ————— *grandis* Dowerby

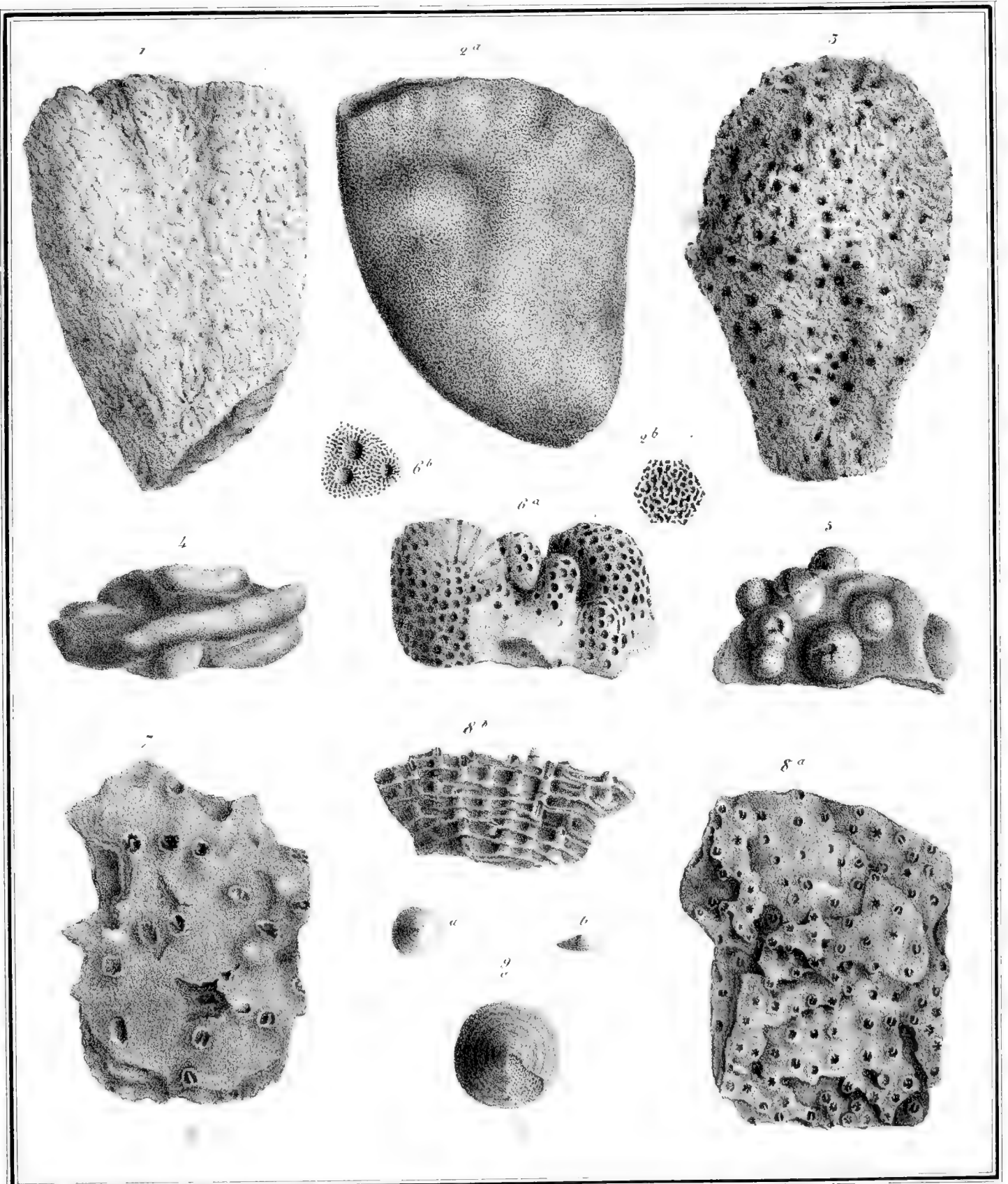
Lith. de Thierry frères
 4 *Astrea formosissima* Dowerby
 5 *Stylna strata* Michelin
 6 *Sarantia laxosa* —————

7 *Sarantia quinaucialis* Michelin.
 8 *Madrina Aransaei* —————
 9 *Lithodendron humile* —————



GRÈS VERT INFÉRIEUR

UCHAUX (DEPT DE VAUCLUSE)



Endovic Michelin in Lap

dit de Thierry Imvès

1. *Spongia sulcataria* Michelin
 2. _____ *vola.* _____
 3. _____ *pseudosiphonia* _____

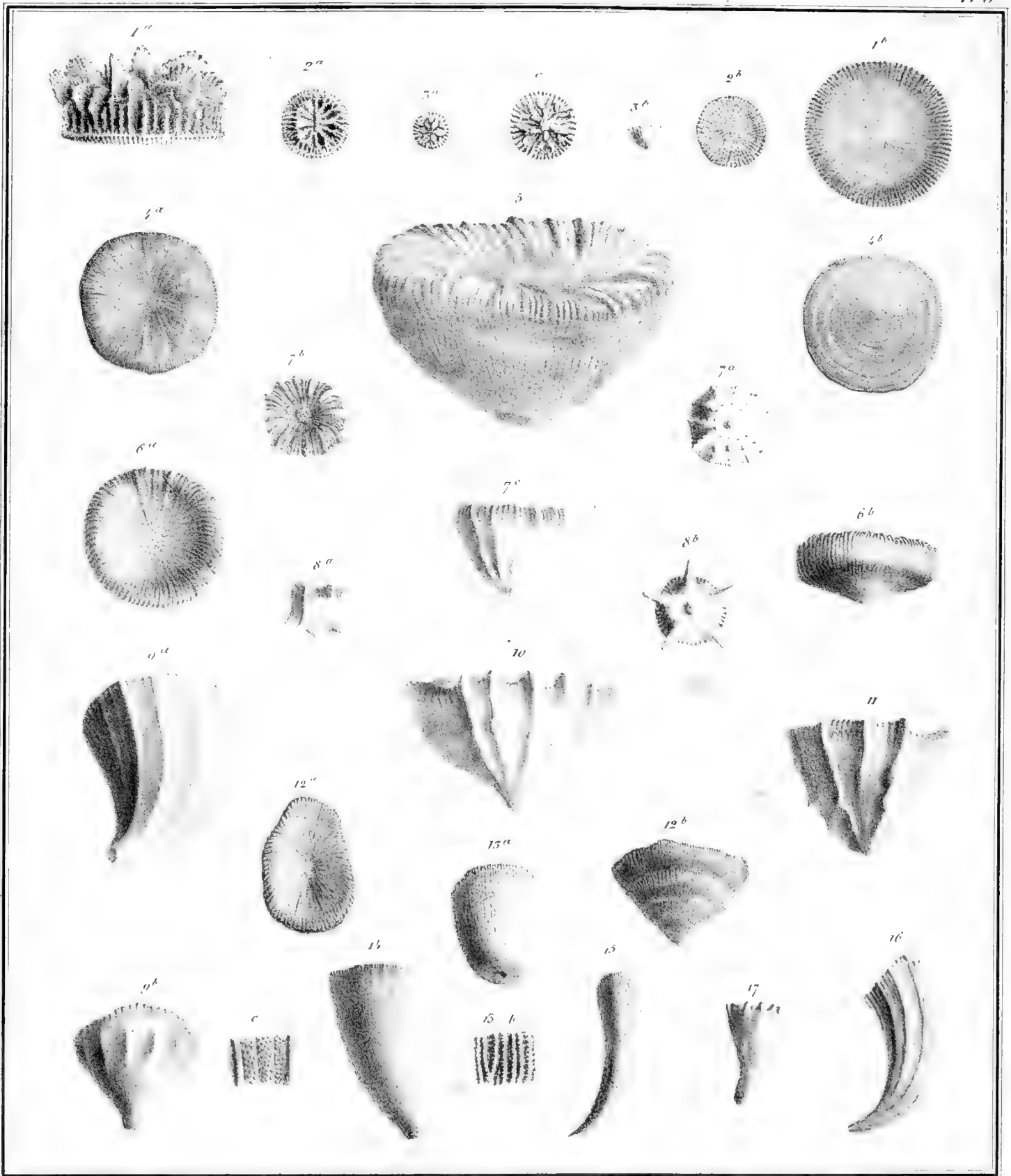
4. *Spongia sanguisuga* Michelin
 5. _____ *pilula* _____
 6. *Hebiopora Blainvilliana* _____

7. *Stylina crassa lamella* Michelin
 8. _____ *Provincialis* _____
 9. *Orbitolites concava* Samarek.



GROUPE SUPRACRETACE

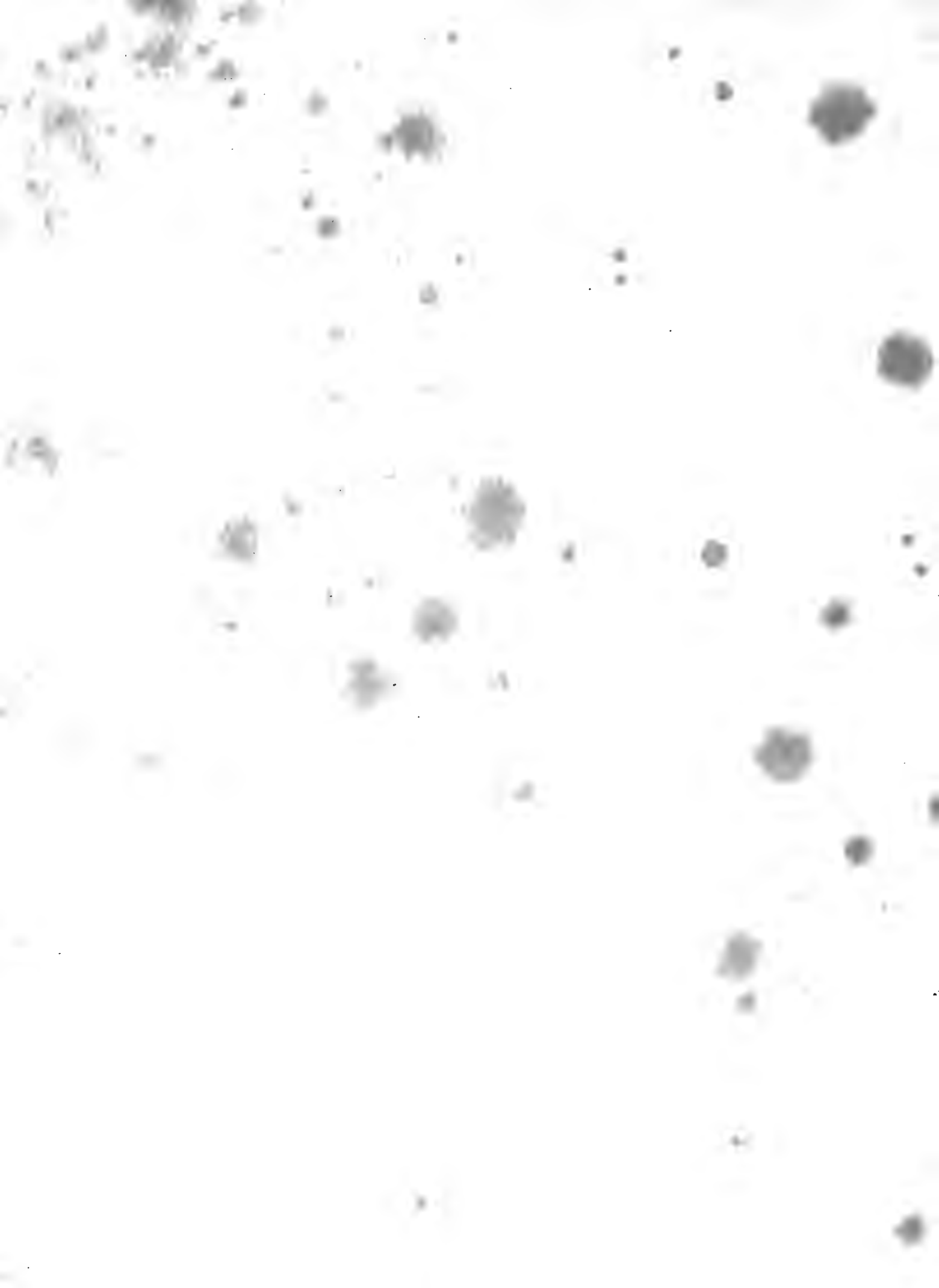
PIEMONT ASTESAN, NICE ETC.



Ludovic Michelin in Lap

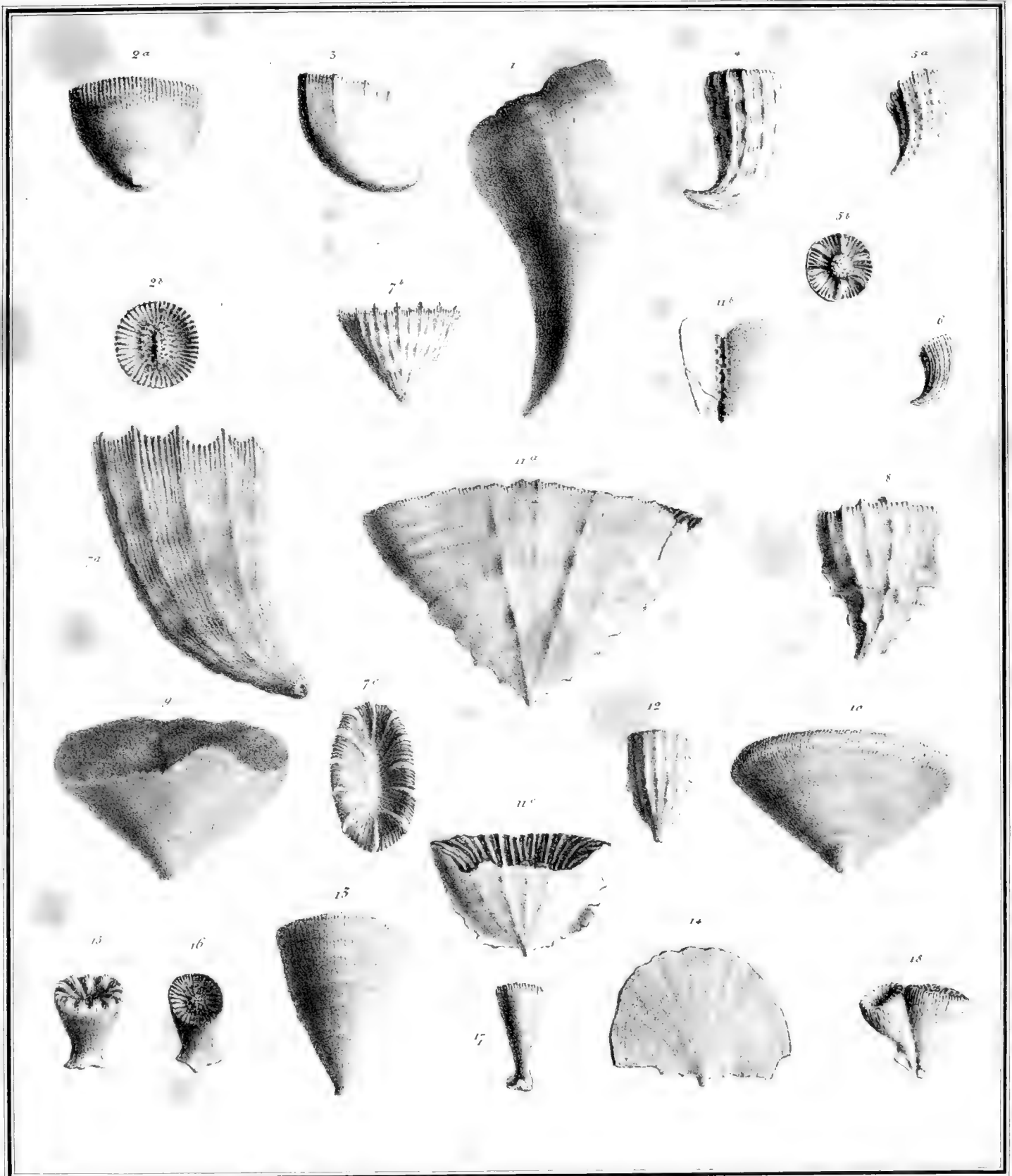
Lill de Thierry freres

1. <i>Strophonophyllea imperialis</i>	Michelin.	7. <i>Turbinolia obesa</i>	Michelotti.	13. <i>Turbinolia Semondiana</i>	Michelin.
2. _____ <i>elegans</i>	_____	8. _____ <i>armata</i>	_____	14. _____ <i>davus</i>	Michelotti.
3. _____ <i>Ilalca</i>	_____	9. _____ <i>varicostata</i>	_____	15. _____ <i>cylindrica</i>	_____
4. <i>Cydelites</i> <i>Borsonis</i>	_____	10. _____ <i>Bellardi</i>	Michelin.	16. _____ <i>cornuopic</i>	_____
5. <i>Turbinolia</i> <i>Japhet</i>	_____	11. _____ <i>pyramudata</i>	Michelotti.	17. _____ <i>Taurinensis</i>	Michelin.
6. _____ <i>Michelotti</i>	_____	12. _____ <i>brevis</i>	Deshayes.		



GROUPE SUPRACRETACE.

PIÉMONT, ASTESAN, NICE, ETC.



Ludovic Michelin, in lap

Lith de Thierry Gères

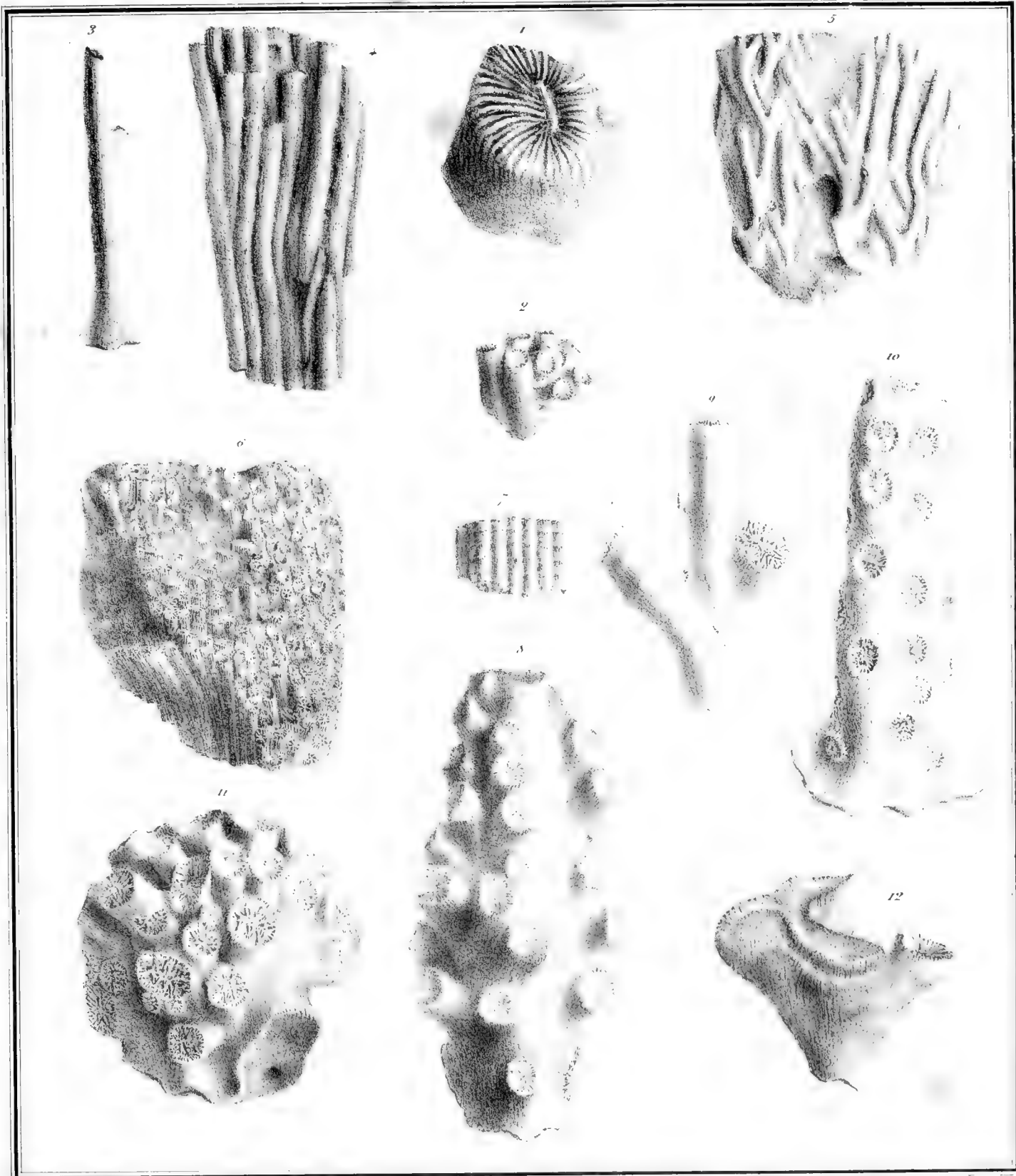
1. <i>Turbinolia</i> <i>prolonga</i> .	Michelotti.	7. <i>Turbinolia</i> <i>duodecimcostata</i>	Goldfuss.	15. <i>Flabellum</i> <i>curvatum</i>	Michelini.
2. ——— <i>plicata</i> .	—————	8. ——— <i>versicostata</i> .	Michelin.	14. ——— <i>extensum</i>	—————
3. ——— <i>Bellingheriana</i>	Michelin.	9. ——— <i>sinensis</i>	Michelotti	13. <i>Caryophyllia</i> <i>Italica</i>	—————
4. ——— <i>undulata</i> .	—————	10. ——— <i>limbrata</i>	Michelin	16. ——— <i>Pedemontana</i> .	—————
5. ——— <i>multispina</i> .	Michelotti.	11. <i>Flabellum</i> <i>avicula</i> .	—————	17. ——— <i>cyathus</i> (<i>V^o minor</i>)	Sauvouroux
6. ——— <i>multiserialis</i> .	—————	12. ——— <i>appendiculatum</i> .	—————	18. ——— <i>pseudoturbinolia</i> .	Michelin.

U. G. ...



GROUPE SUPRACRÉTACÉ.
PIEMONTE, ASTESAN, NICE, ETC.

Pl. 10.



Ludovic Michelin in Lap

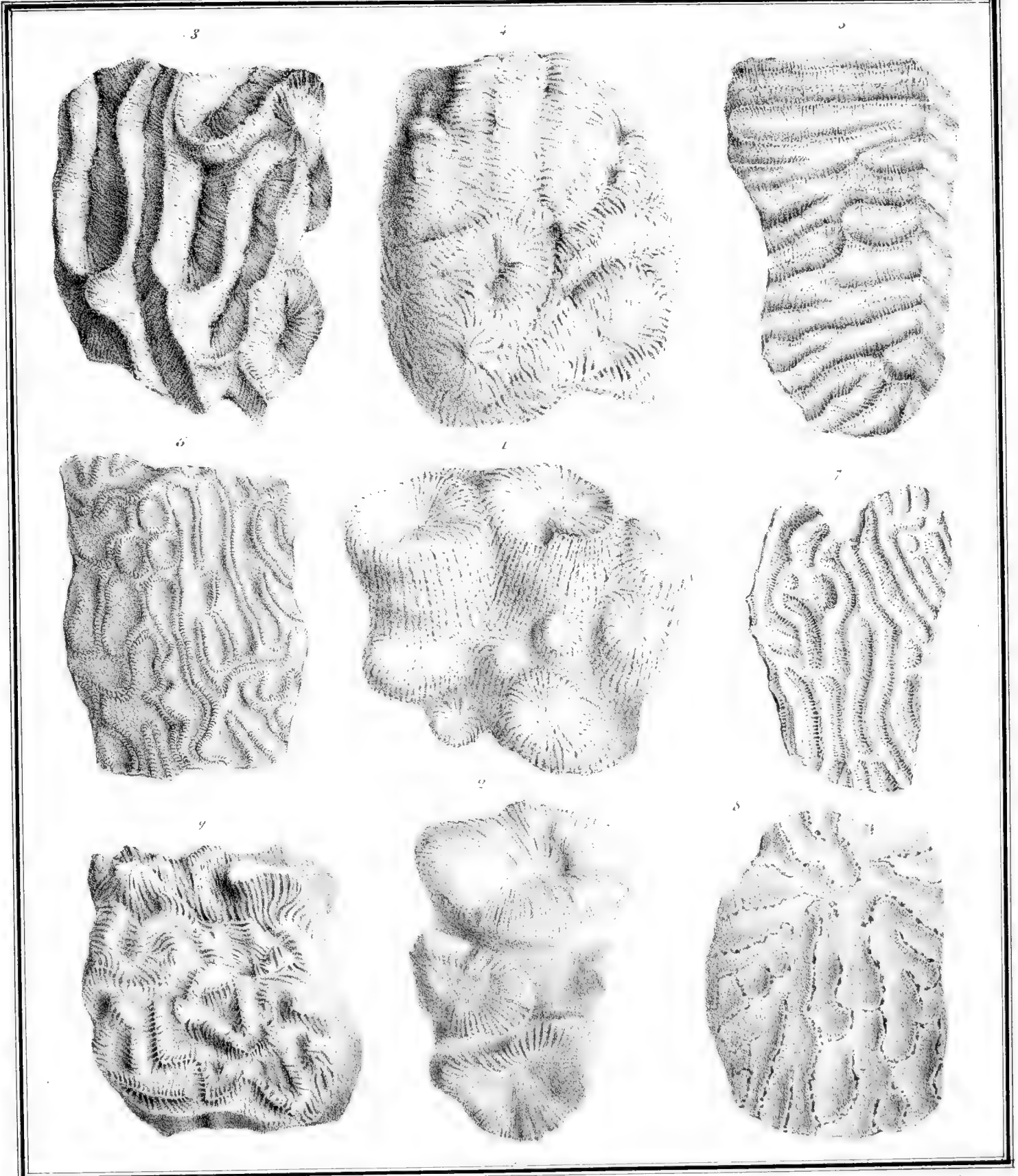
with de Thierry d'Arcey

1	<i>Anthophyllum</i>	<i>debrissum</i>	Michelin
2	<i>Lithodendron</i>	<i>flexuosum</i>	
3	_____	<i>granulosum</i>	Goldfuss
4	_____	<i>manipulatum</i>	Michelin

5	<i>Lithodendron</i>	<i>intricatum</i>	Michelin
6	<i>Stylina</i>	<i>thyrsiformis</i>	
7	_____	<i>strata</i>	Blainville
8	<i>Dendrophyllia</i>	<i>ramosa</i>	

9	<i>Dendrophyllia</i>	<i>cornigera</i>	Blainville
10	_____	<i>digitata</i>	
11	_____	<i>irregularis</i>	
12	<i>Lobophyllia</i>	<i>contorta</i>	Michelin





Dufrenoy, Michelin in Lap.

- 1 *Lobophyllus granulosa*
- 2 *disprosa*
- 3 *Meandrina profunda*

Michelin

- 4 *Meandrina settyjani*
- 5 *phrygia*
- 6 *visumosa*

Michelin
 Samarch
 Michelin

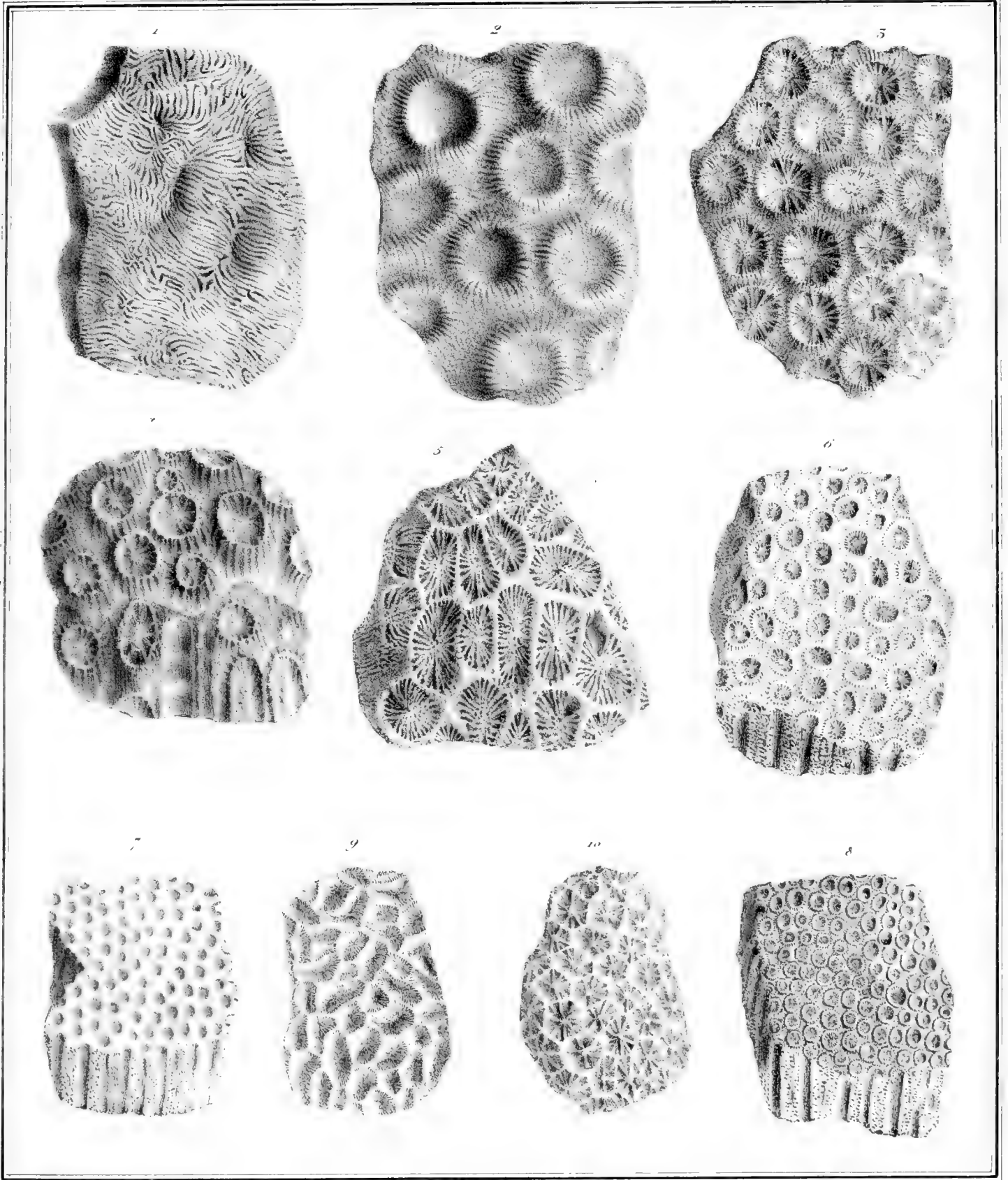
- 7 *Meandrina filigrana*
- 8 *edaele*
- 9 *Monticulurina meandrinoides*

Samarch
 Michelin



GROUPE SUPRACRETACE

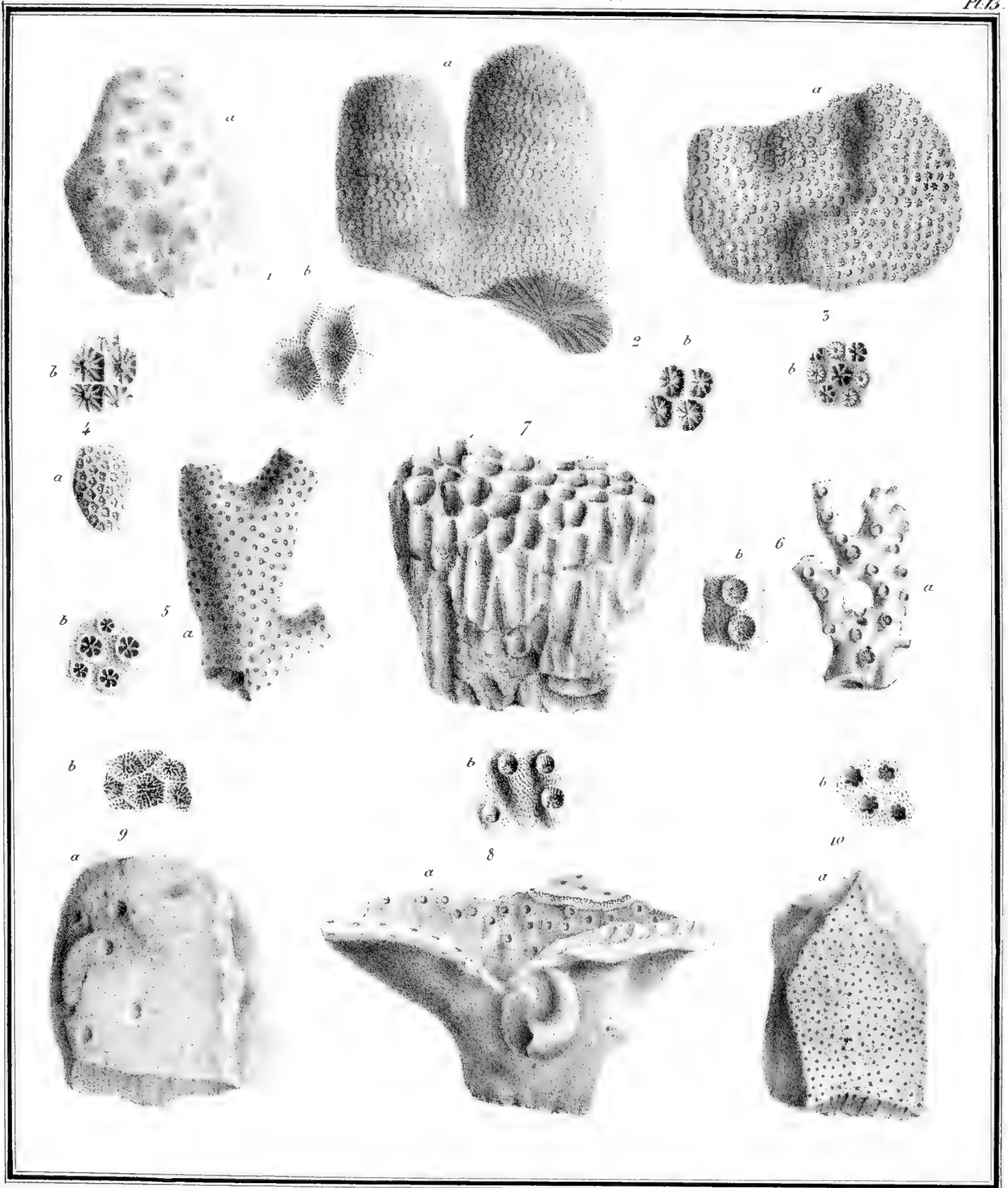
PIEMONTE, ASTESAN, NICE, ETC.



1	<i>Agaricia</i>	<i>apennina</i>	Michelin	4	<i>Astrea</i>	<i>radiata</i>	Camarch	8	<i>Astrea</i>	<i>astreoides</i>	Blainville
2	<i>Astrea</i>	<i>Rochellina</i>	_____	5	_____	<i>diversiformis</i>	Michelin	9	_____	<i>irregularis</i>	Desfrance
3	_____	<i>Quartardi</i>	Desfrance	6	_____	<i>arcus</i>	Camarch	10	_____	<i>polygonalis</i>	Michelin
				7	_____	<i>plana</i>	Michelin				



GROUPE SUPRACRETACE.
PIEMONTE, ASTESAN, NICE ETC.



Ludovic Michelin in Lap.

1. *Astrea liuvesta* al. Diongniant
2. *lobato-rotundata* Michelin
3. *Turinensis* _____

4. *Astrea ornata*
5. *ravistella*
6. *Oculina virginea*

Michelin.
Desfranco.
Lamarck.

7. *Saracnula gratissima*
8. *Gemmipora cyathiformis*
9. *Porites Ellagniana*
10. *Heliopora Supergiana*

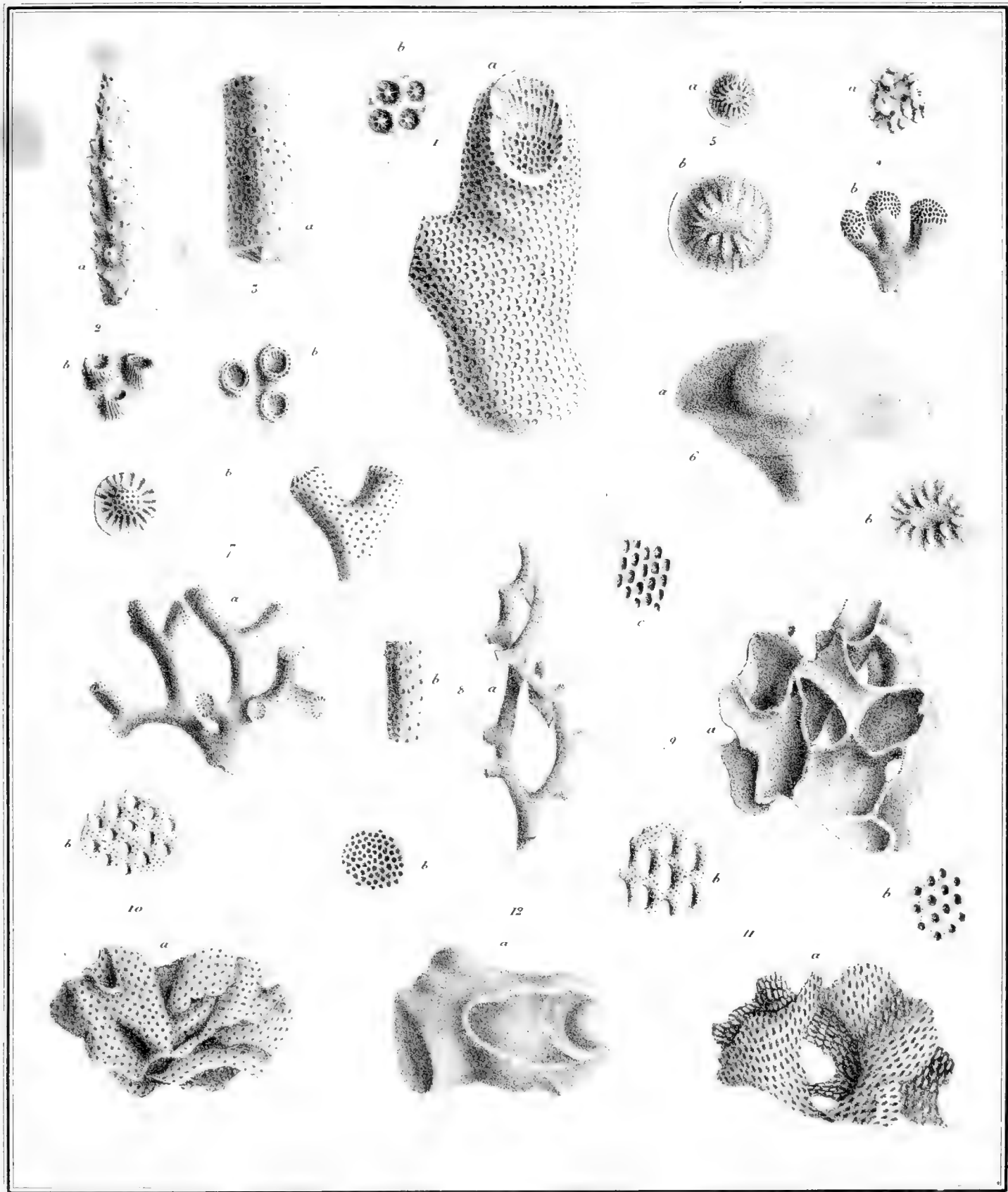
Lith. de Thierry freres

Michelin.
Blainville.
Michelin.



GROUPE SUPRACRETACÉ.

PIÉMONT, ASTESAN, NICE, ETC.



Legendre, Michelin, in Lap.

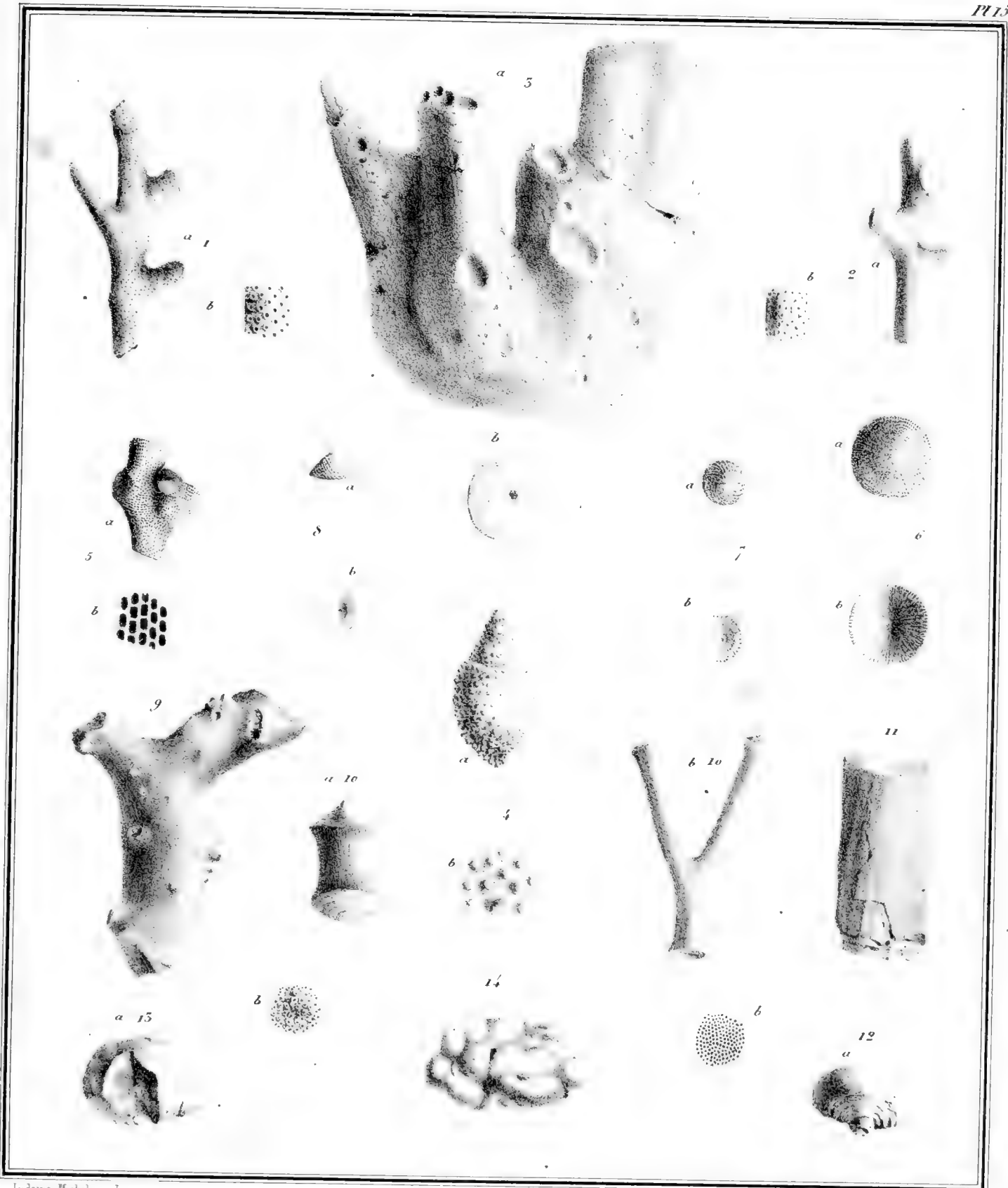
Lib. de J. J. J. J. J.

- 1. *Madrepora glabra*. Goldfuss.
- 2. ——— *lavandulina*. Michelin.
- 3. ——— *exarata*. Michelotti.
- 4. *Piondypora Marsilli*. Blainville.

- 5. *Lichæopora Mediterranea*. Blainville.
- 6. ——— *tuberosa*. Michelin.
- 7. *Myriopora truncata*. Blainville.
- 8. *Eschani cervicornis*. Lamarck.

- 9. *Eschara foliacea*. Lamarck.
- 10. *Sitopora cellulosa*. Blainville.
- 11. ——— *schimulata*. Blainville.
- 12. *Collopora pumicea*. Lamarck.





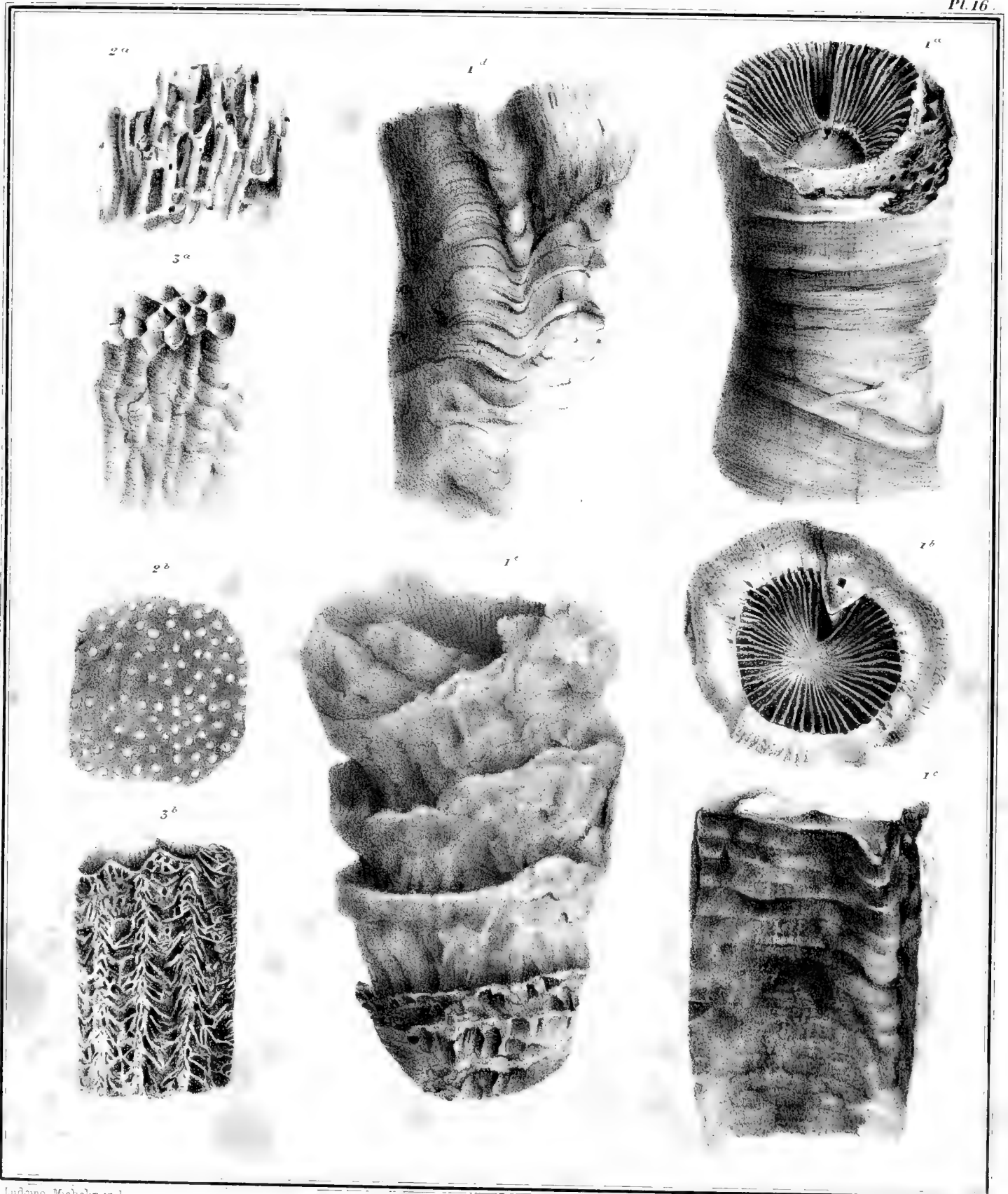
Ludovic Michelin, in Lap

Lith de Thierry freres

1. <i>Lilypora ornata</i> .	Michelin	6. <i>Lanulites ambrosaces</i> .	Michelotti	11. <i>Antipathes vetusta</i> .	Michelotti
2. ——— <i>Siphonopora</i>	—————	7. ——— <i>intermedia</i> .	—————	12. <i>Tellina simplex</i> .	—————
3. ——— <i>concentrica</i>	—————	8. ——— <i>umbellata</i>	Deshayes .	13. ——— <i>lycastrum</i>	Sauvage
4. ——— <i>echinata</i>	—————	9. <i>Cratium pallidum</i> .	Michelin .	14. <i>Stellipora tuberosa</i> .	Michelin
5. <i>Membranopora reticulatum</i>	Blainville .	10. <i>Isis melitensis</i> .	Goldfuss .		



GROUPE DE TRANSITION.
TERRAIN CARBONIFÈRE DE SABLÉ ETC (SARTHE).

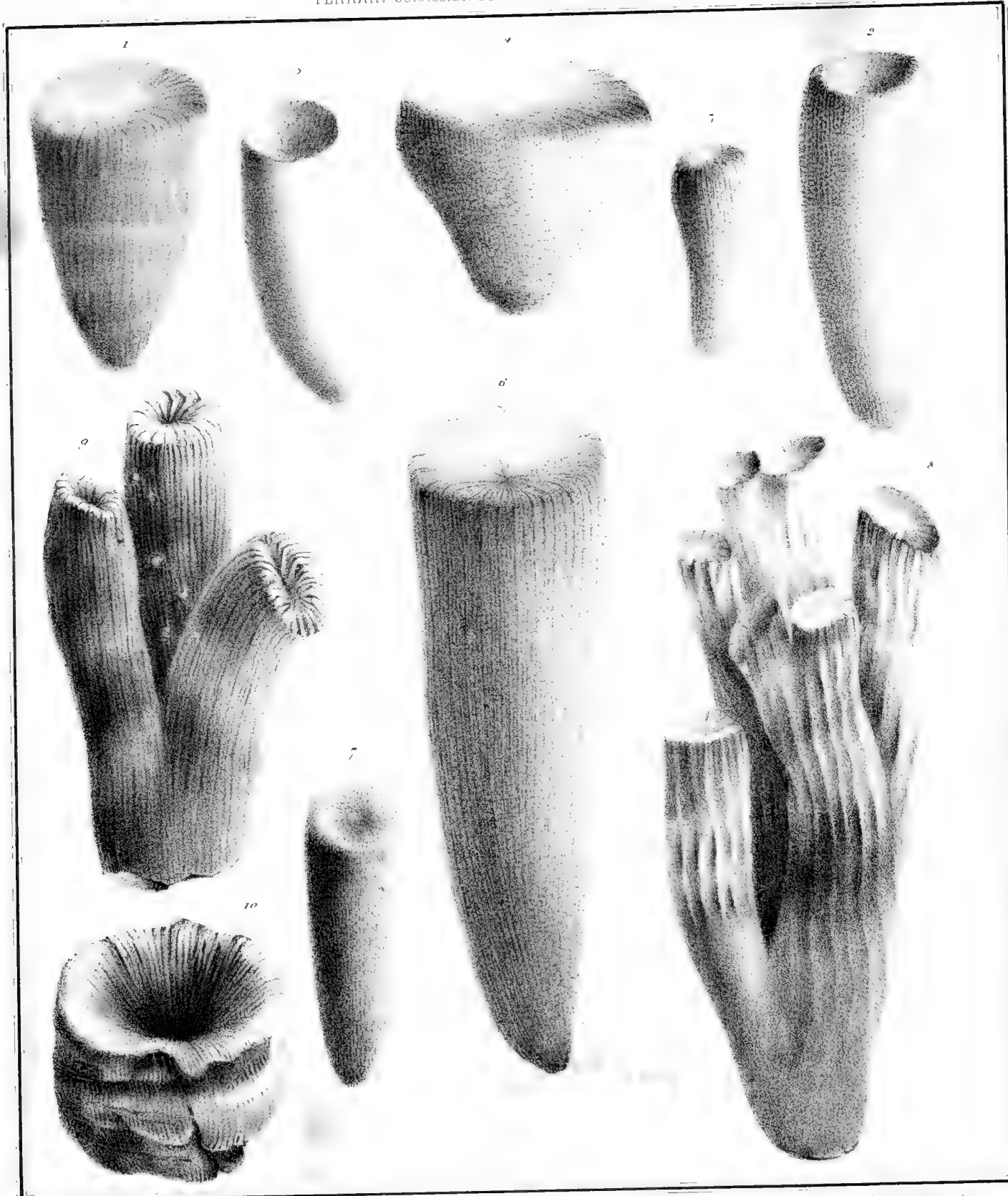


Ludovic Michelin in Lap

de Thierry France

1. *Camisia gigantea*. Michelin. || 2. *Harmodites catenatus* Koninck. || 3. *Michelinia tenuisecta*. Koninck



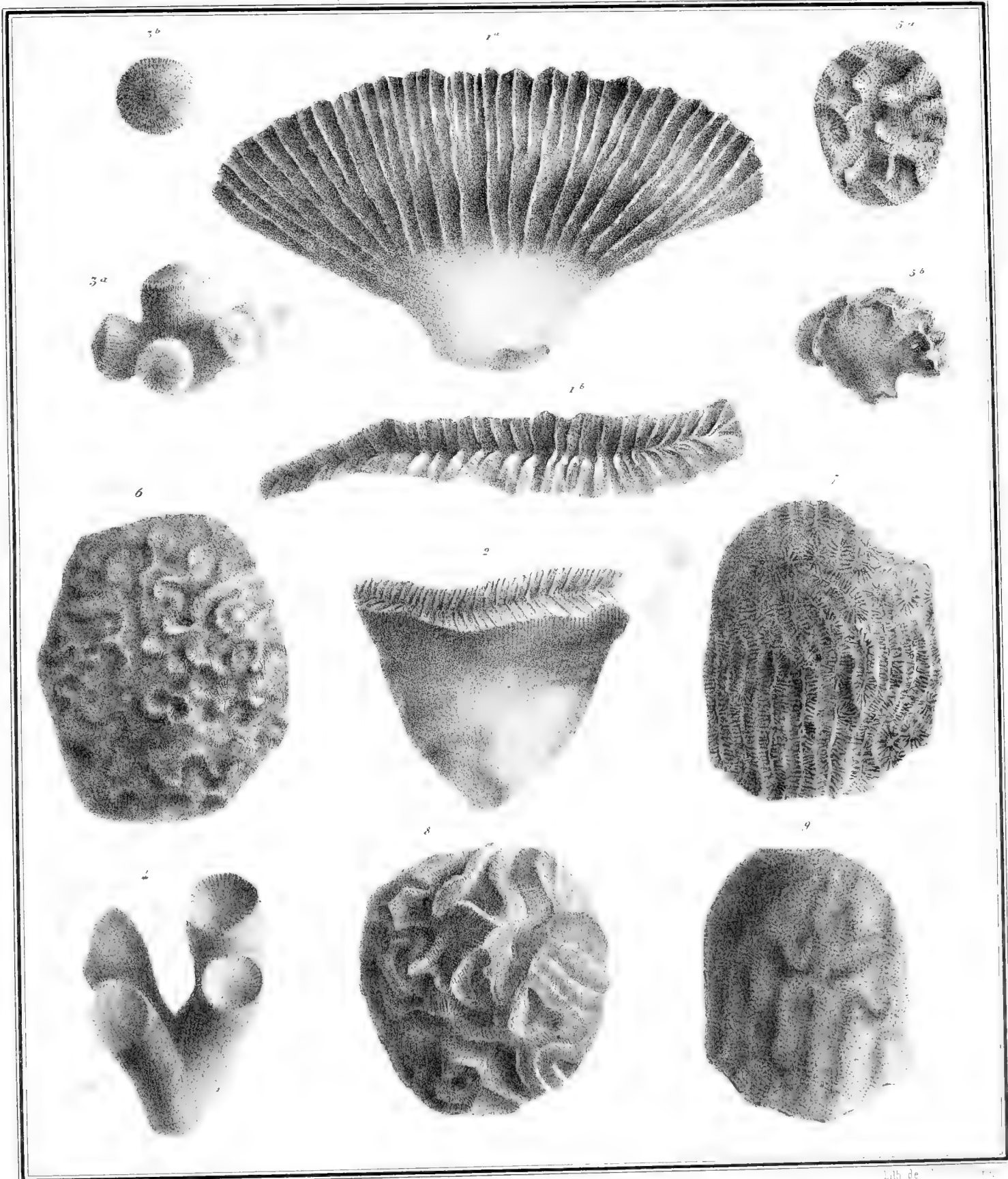


Ladovic Michelin in Lap

1	<i>Caryophyllia</i>	<i>Moraviciaca</i>	Michelin	4	<i>Caryophyllia</i>	<i>delatata</i>	Michelin	8	<i>Lobophyllia</i>	<i>semisulcata</i>	Michelin
2		<i>subcylindrica</i>		5		<i>acornata</i>		9		<i>Bavignieri</i>	
3		<i>plac minor</i>		6		<i>curvis</i>		10	<i>Anthophyllum</i>	<i>excavatum</i>	
				7		<i>longula</i>	Defrance				



GROUPE OOLITHIQUE.
TERRAIN CORALLIEN DE S^t MIHIEL, ETC. (MEUSE)



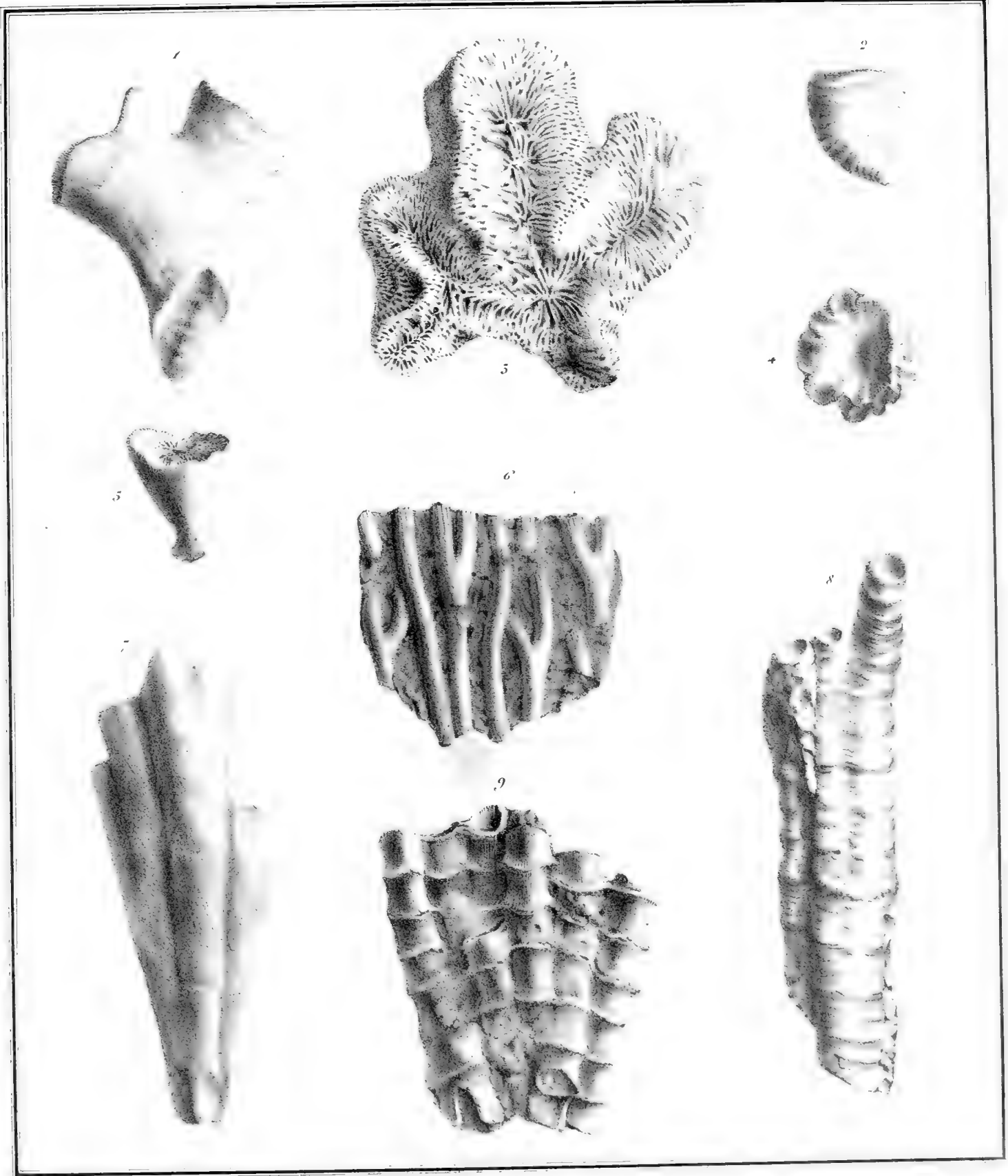
Ludovic Michelin in lap

- | | | |
|---|--|---|
| <p>1 <i>Lobophyllia flabellum</i>. Michelin.</p> <p>2 <i>pseudoturbinolia</i>. _____</p> <p>3 <i>Dendrophyllia glomerata</i>. _____</p> | <p>4 <i>Dendrophyllia dichotoma</i>. Michelin.</p> <p>5 <i>Meandrina corrugata</i>. _____</p> <p>6 _____ <i>Edwardsii</i>. _____</p> | <p>7 <i>Meandrina rustellina</i>. Michelin.</p> <p>8 <i>Rantinus</i>. _____</p> <p>9 _____ <i>lamellocentata</i>. _____</p> |
|---|--|---|



GROUPE OOLITHIQUE.

TERRAIN CORALLIEN DE S^t MIHIEL, &c (MEUSE)



1 *Lobophyllia turbinata* Michelin.
 2 _____ *incubans* _____
 3 _____ *meandrinoides* _____

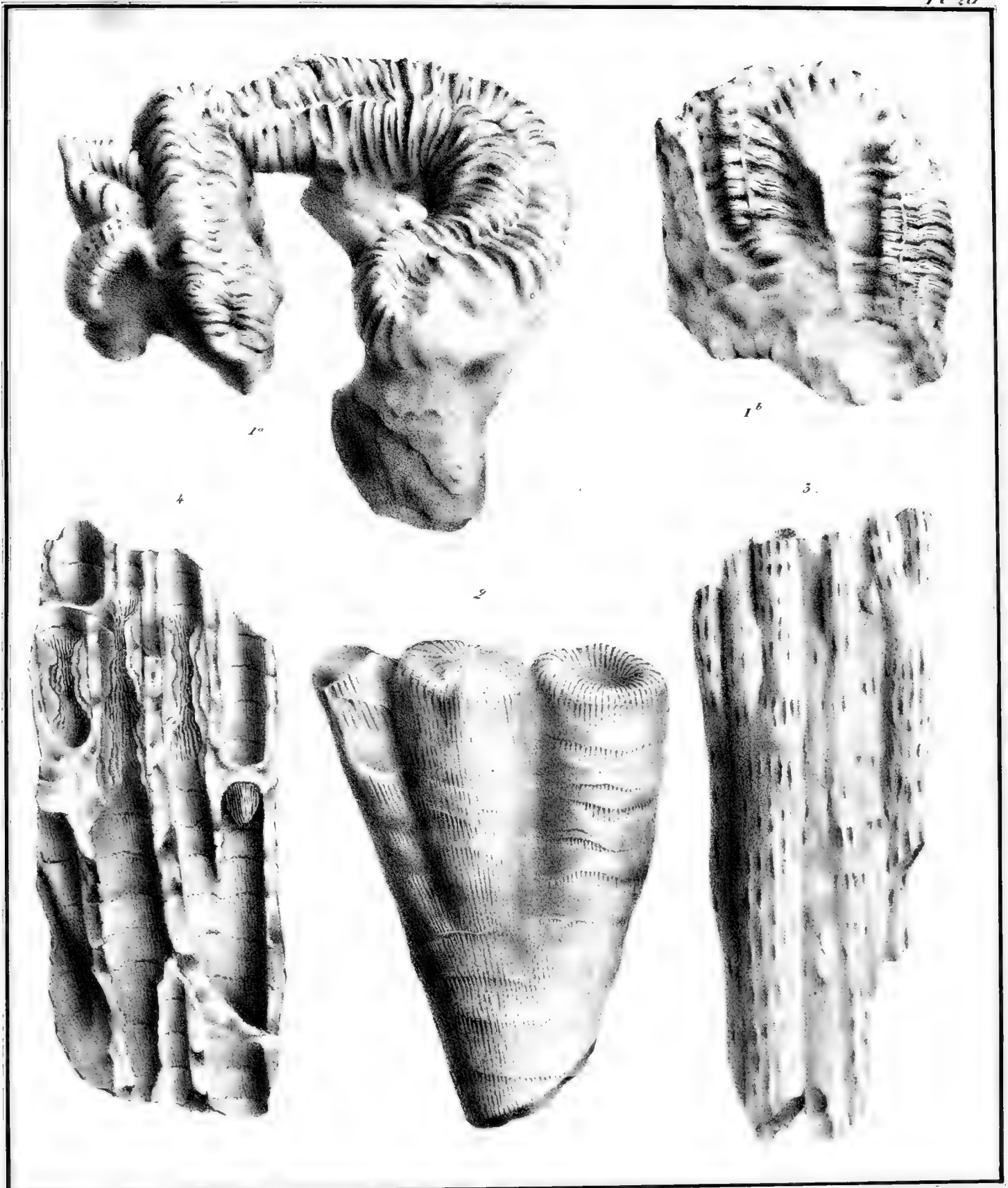
4 *Ravonia elegans* Michelin.
 5 *Caryophyllia vasiformis* _____
 6 *Lithodendron dichotomum* Goldfuss.

7 *Lithodendron funiculatus* Michelin.
 8 _____ *laeve* _____
 9 _____ *pseudostylina* _____



GROUPE OOLITHIQUE

TERRAIN CORALLIEN DE S^t MICHIEL & S^e MEUSE



Ludovic Michelin in Lapp.

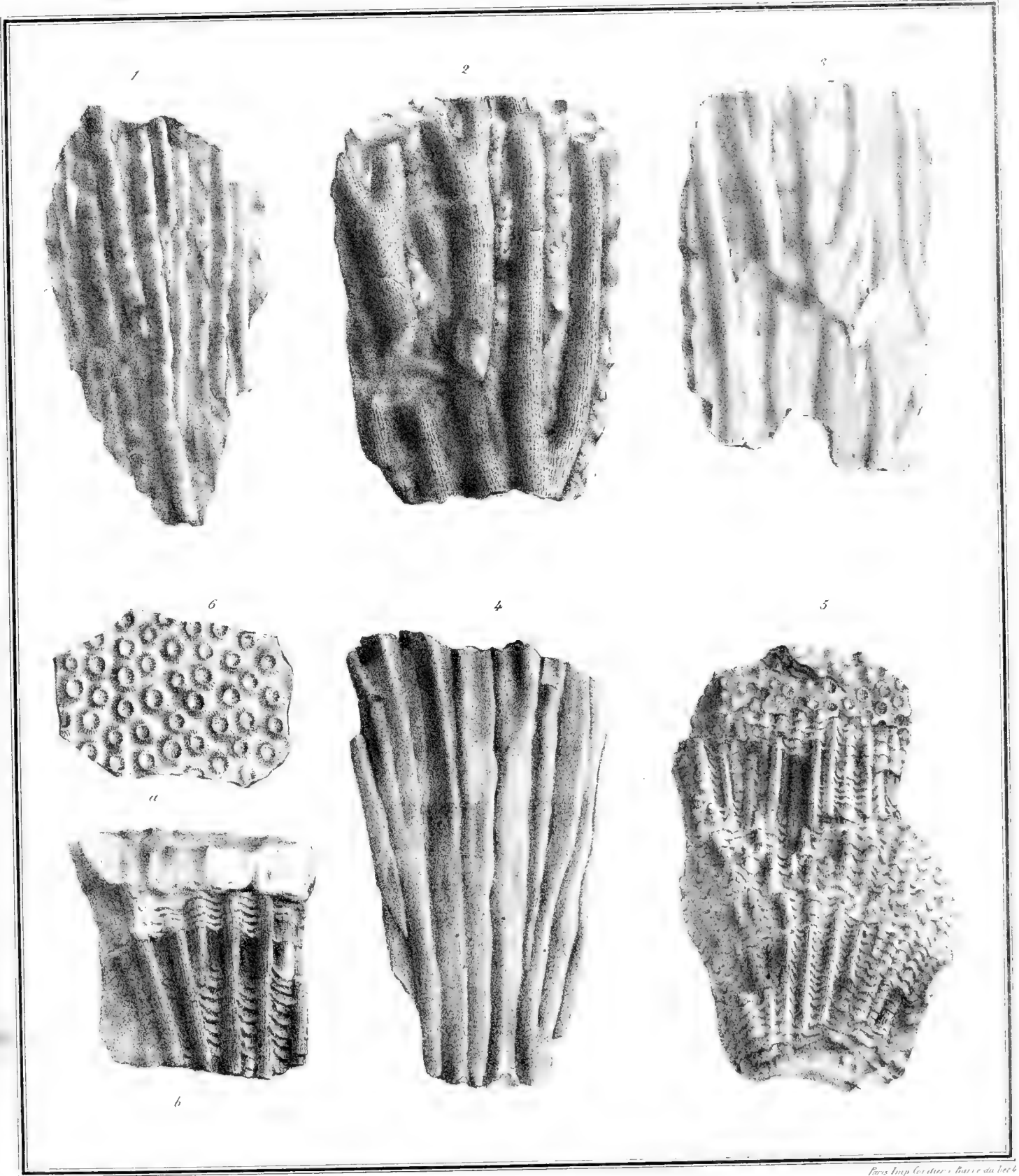
1. *Lobophyllia Deshayesiana* Michelin
 2. _____ *_____ cylindrica* _____

3. *Lobophyllia aspera* Michelin
 4. *Lithodendron pseudostylina* _____



GROUPE OOLITHIQUE.

TERRAIN CORALLIEN DE S^t MIHIEL &^a (Meuse).



Ludovic Michelin in lep

Paris Imp. Goussier, Basse du Beck

- 1. *Lithodendron articulatum.*
- 2. _____ *Edwardsii.*
- 3. _____ *Morcaustatum.*

Michelin.

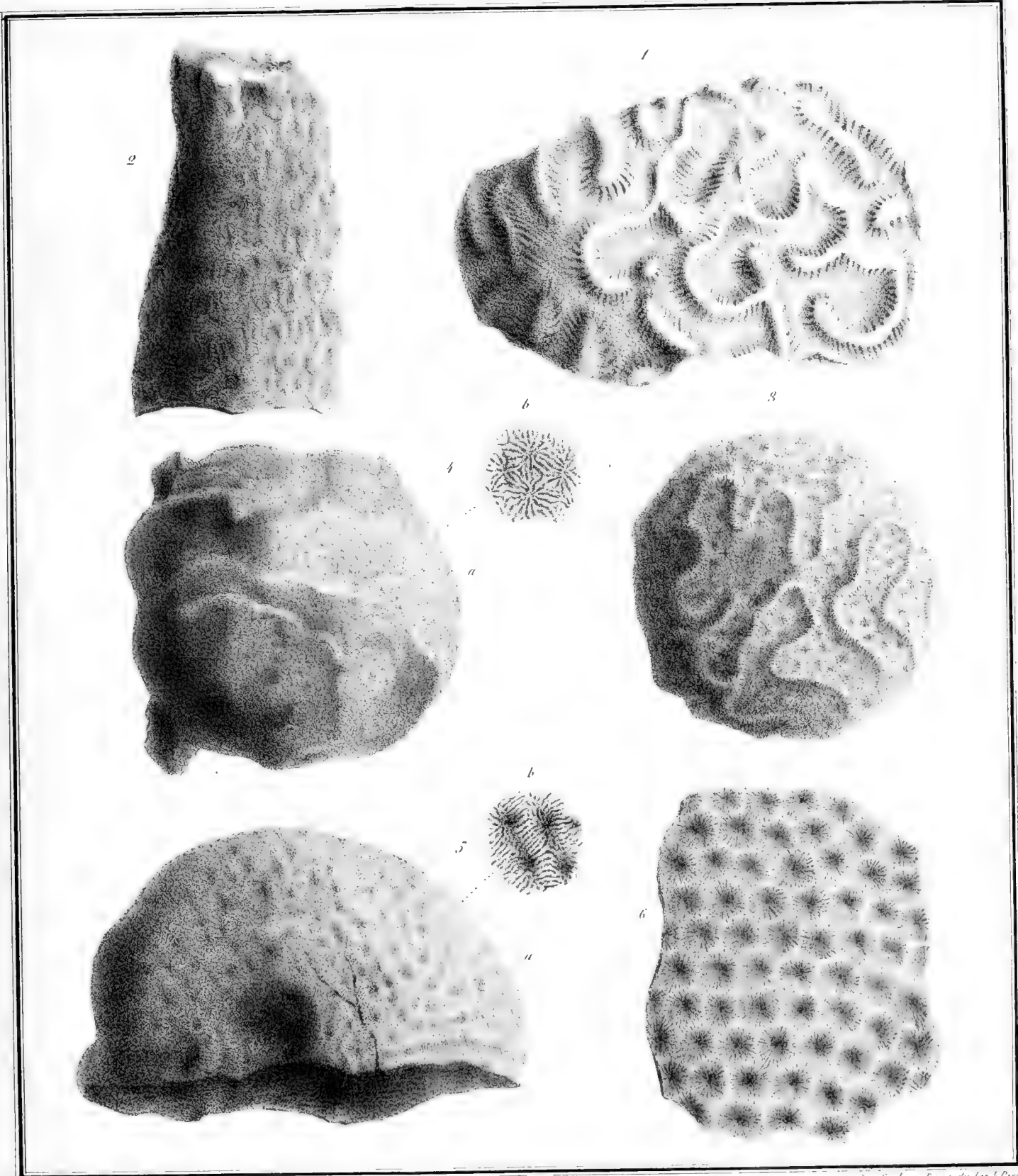
- 4. *Lithodendron flabellum*

- 5. *Stylina* *Gaulardi.*
- 6. _____ *tabulosa.*

Michelin



GROUPE OOLITHIQUE
 TERRAIN CORALLIEN DE S^t MIHIEL A^s (Meuse).



Ludovic Michelin in. lap.

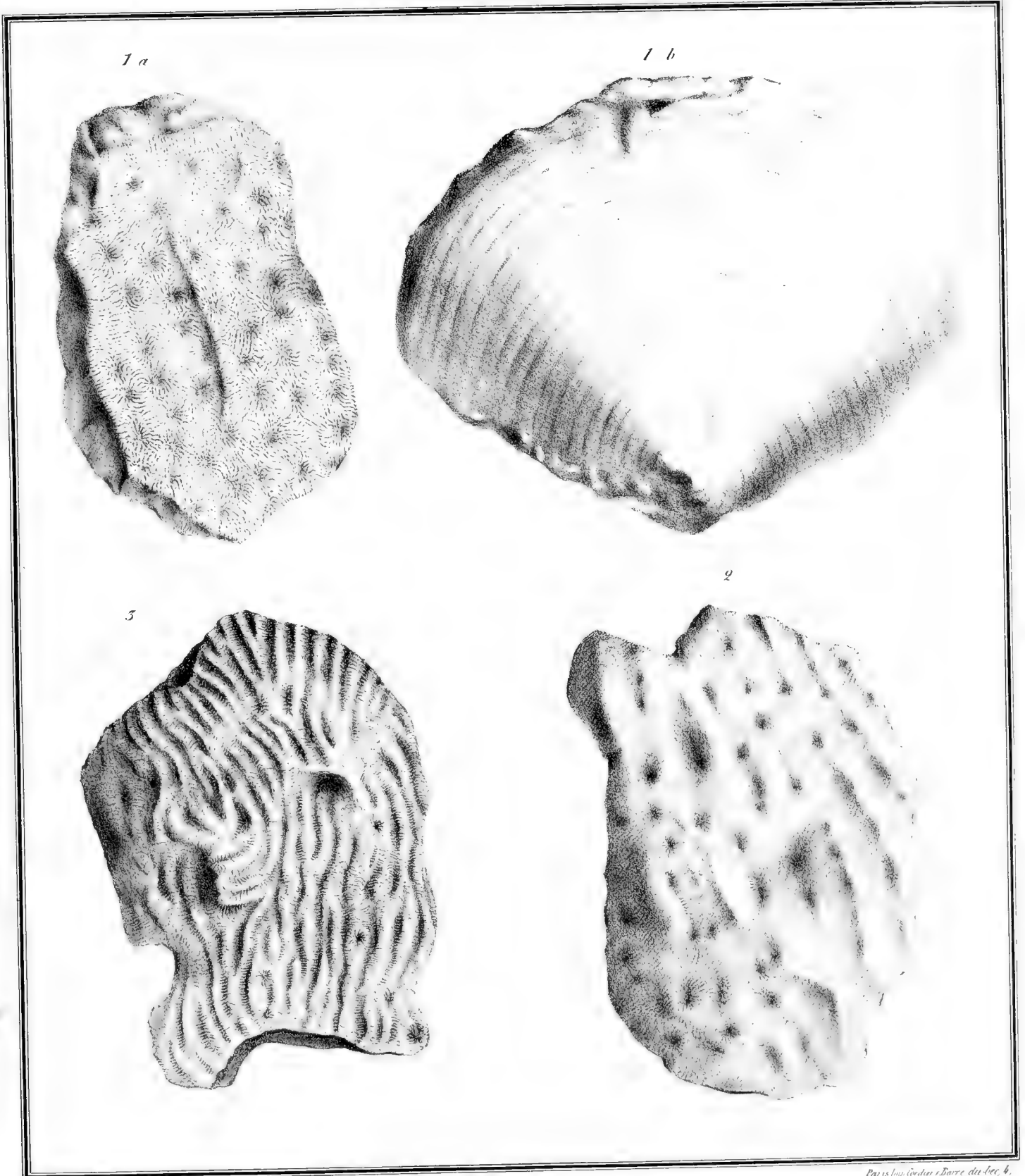
Imp. Cordier & Baerle du Parc, Paris

1 *Meandrina montana* ————— Michelin
 ? ————— *Lolharinga* —————
 3 *Pavonia meandrinoides* —————

4 *Pavonia hemispherica* ————— Michelin
 5 ————— *tuberosa* ————— Goldfuss.
 6 *Agaricia rotata* —————



GROUPE OOLITHIQUE
 TERRAIN CORALLIEN DE S^t MIHIEL &^s (Meuse).



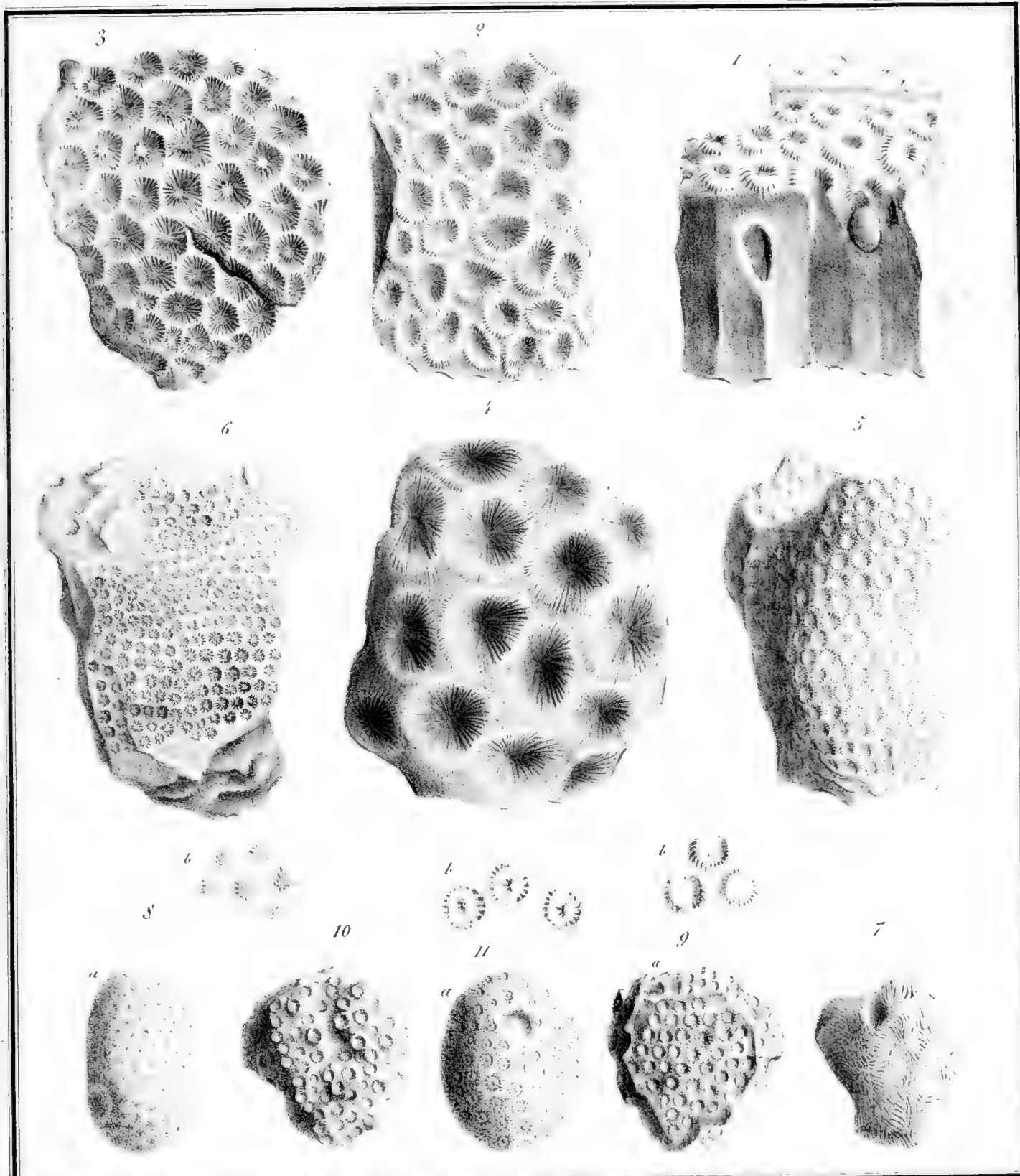
Paris, Imp. Gauthier & Co., 1884.

Ludovic Michelin in top.

1 *Agaricia granulata* Münster } 2 *Agaricia Sömmeringii* Michelin
 3 *Agaricia graciosa* Münster }
 Michelin



GROUPE OOLITHIQUE
 TERRAIN CORALLIEN DE S^r MIHEL 8^a (Meuse).



Ludovic Michelin in lap

Imp. Gudin r. Barre-du-Gez, Paris

1 *Astrea lifoliana*. Michelin.
 2 — *invandrides*. —
 3 — *helianthoides*. Goldfuss.
 4 — *Burgundiae*. Blainville.

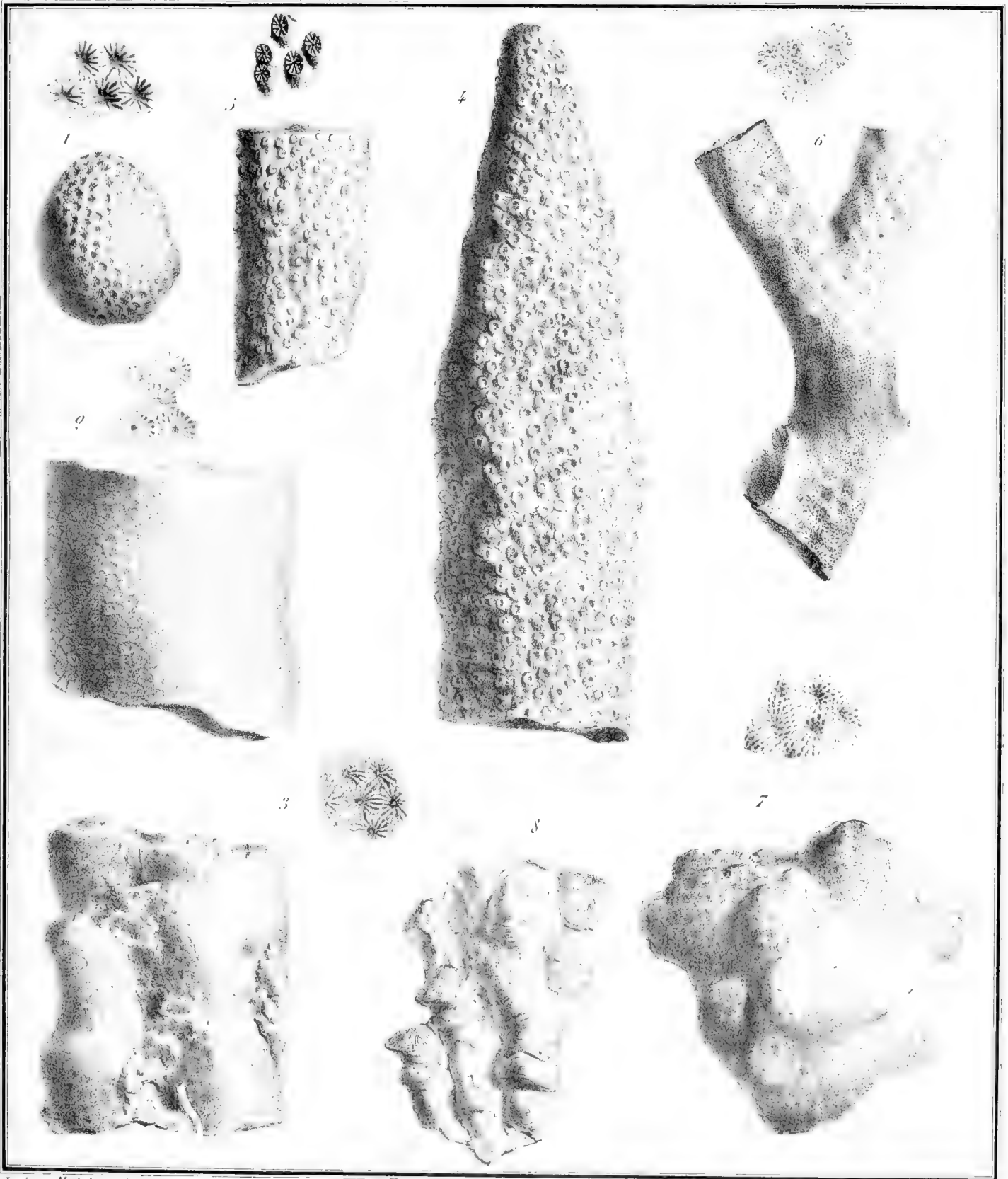
5 *Astrea depravata*. Michelin.
 6 — *pentagonalis*. Münster.
 7 — *cristata*. Goldfuss.
 8 — *Aruncola*. Michelin.

9 *Astrea versatilis*. Michelin.
 10 — *imbata*. Goldfuss.
 11 — *rotularis*. Michelin.

GROUPE OOLITHIQUE

TERRAIN CORALLIEN DE S^t MIHIEL &^a (Meuse)

PL. 25



Ludovic Michelin in lap.

Imp. G. Dur. 1, passage du bec N^o 4 Paris

1 *Astrea*

2

3 *Thamniasteria*

4 *Madrepora*

Santi Miheli

crassoramosa

Lamourouxii

Obeliscus

Michelin

Le Sauvage

Michelin

5 *Madrepora sublevis*

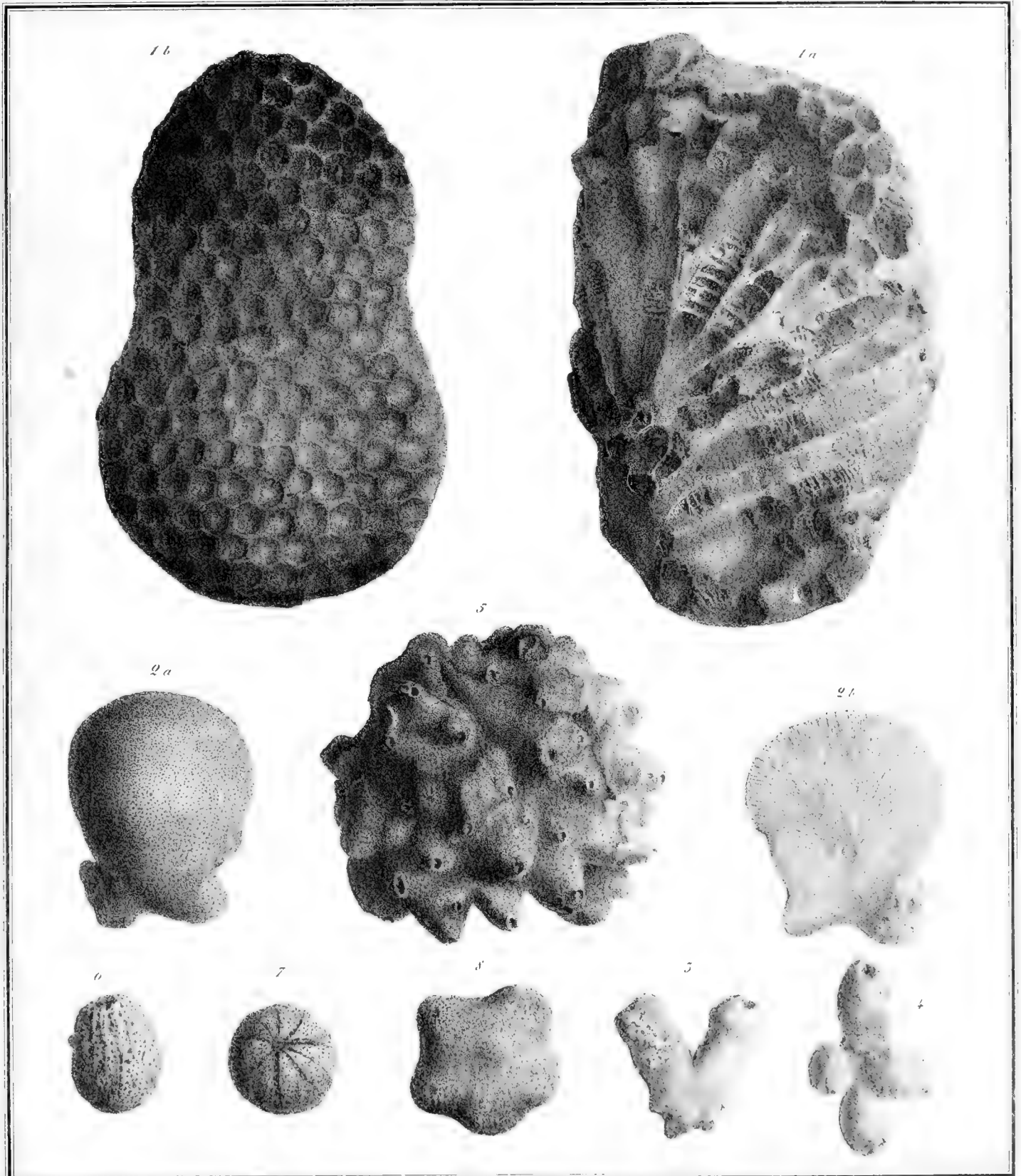
6 *Alveopora Ramosa*

7 *tuberosa*

8 *incrustata*

Michelin





Ludovic Michelin in lap

Paris Imprimerie de la Bibliothèque

1 *Cyathophora Richardi*
2 *Chaetites capilliformis*
3 *Spongia furcata*
4 _____ *lagenaria*

Michelin

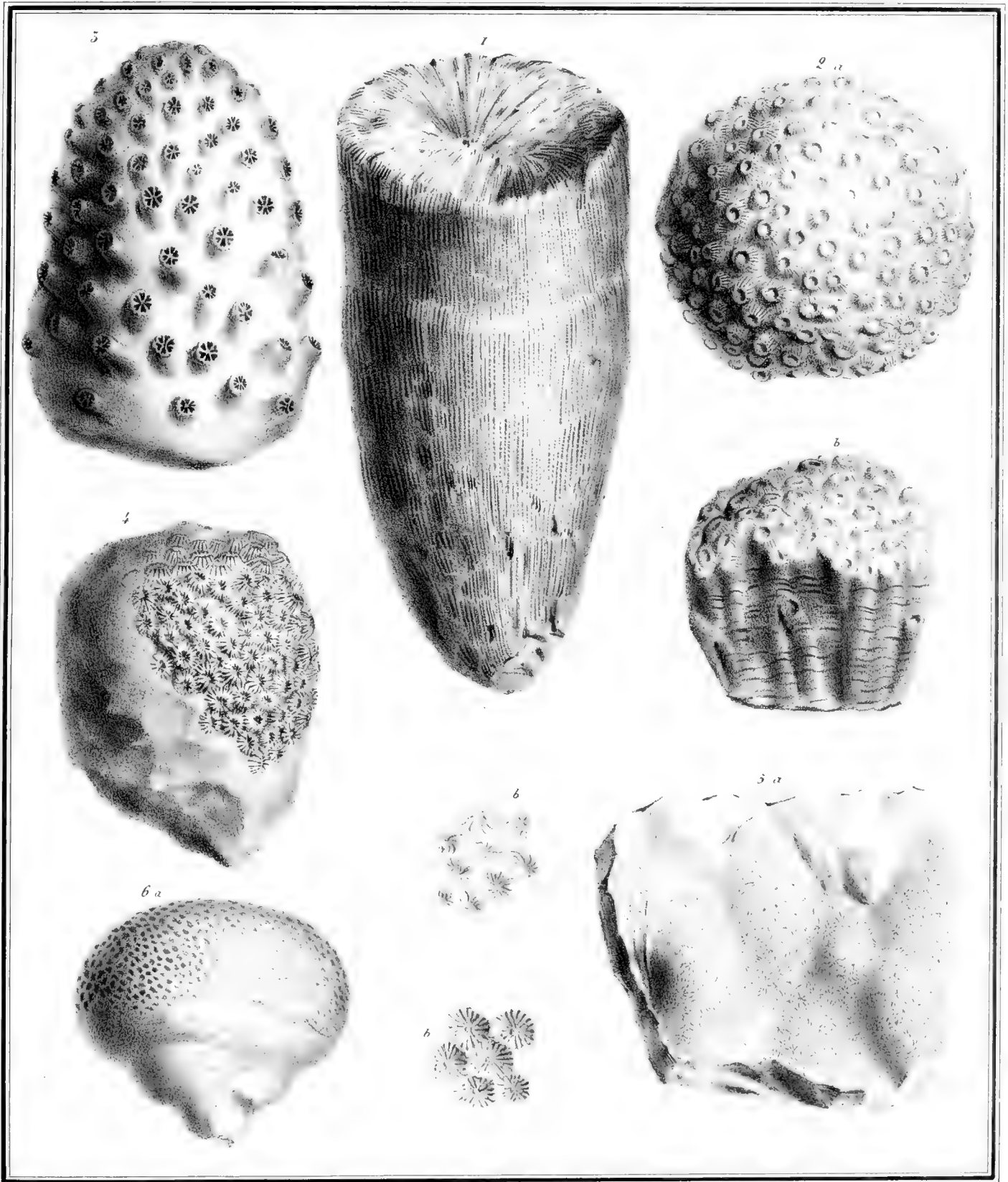
Lamouroux

5 *Spongia mamillaris*
6 *Cucurbitium pisiforme*
7 _____ *Rotula*
8 _____ *Stellatum*

Lamouroux?
Michelin
Goldfuss.



GROUPE OOLITHIQUE.
TERRAIN CORALLIEN DE S' MIHIEL & (MEJSE)



Ludovic Michelin in Lep.

Ann. de l'Éc. Polytechn.

1. *Caryophyllia Calymonai* Lamouroux
2. *Astrea tubulosa* Goldfuss.

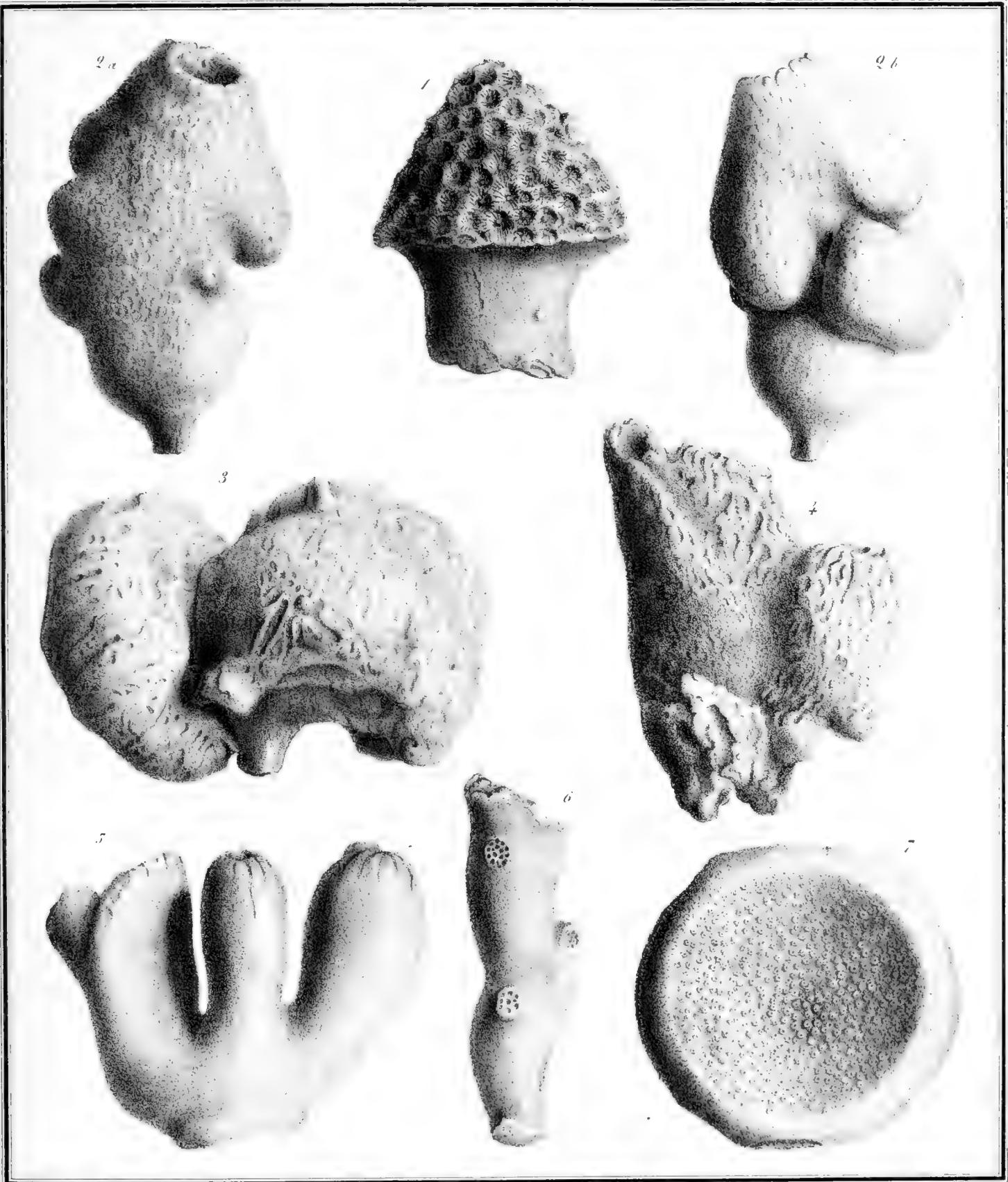
3. *Astrea tumularis* Michelin
4. _____ *Castellum*

5. *Agaricia lobata* Goldfuss.
6. *Astrea trochuiformis* Michelin

TERRAIN CRÉTACÉ.

CRAIE CHLORITÉE DU CALVADOS DE L'ORNE, D'INDRE ET LOIRE, DE LOIR ET CHER. 8.

Pl. 28



Ludovic Michelin, in lap.

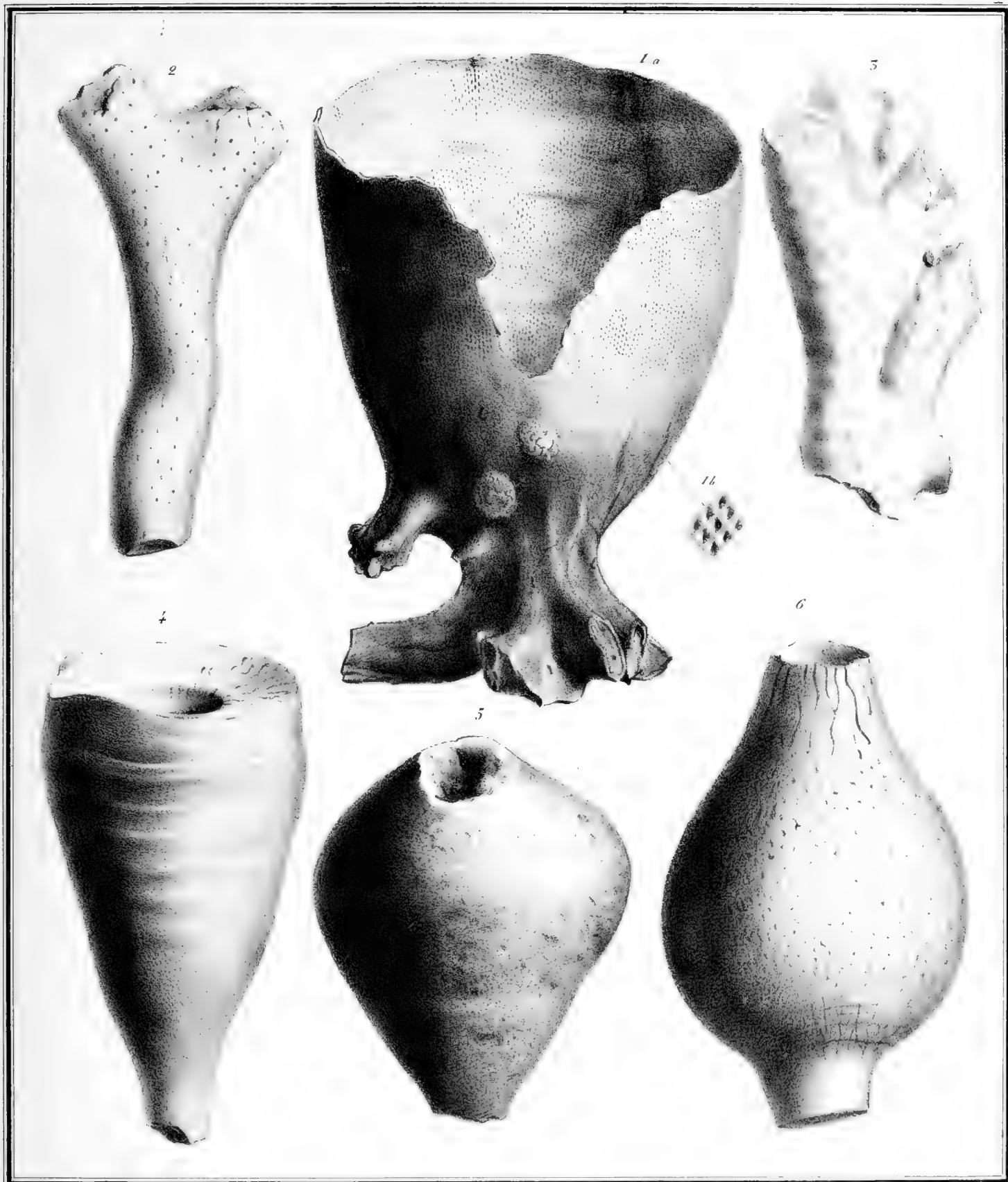
Imp. Goussier, Barre de la Seine.

- | | |
|--|-------------------------------------|
| 1 <i>Astrea conformis</i> Michelin. | 5 <i>Scyphia dichotoma</i> Michelin |
| 2 <i>Scyphia trilobata</i> _____ | 6 <i>Siphonia ramosa</i> |
| 3 <i>Cuénidium crassum</i> _____ | 7 <i>Chenendopora marginata</i> |
| 4 <i>Spongia sulcataria</i> S. inflata Mich. | |

TERRAIN CRÉTACÉ.

CRAIE CHLORITEE DU CALVADOS, DE L'ORNE, D'INDRE ET LOIRE, DE LOIR ET CHER &c.

PL. 29.



Ludovic Michelin sculp.

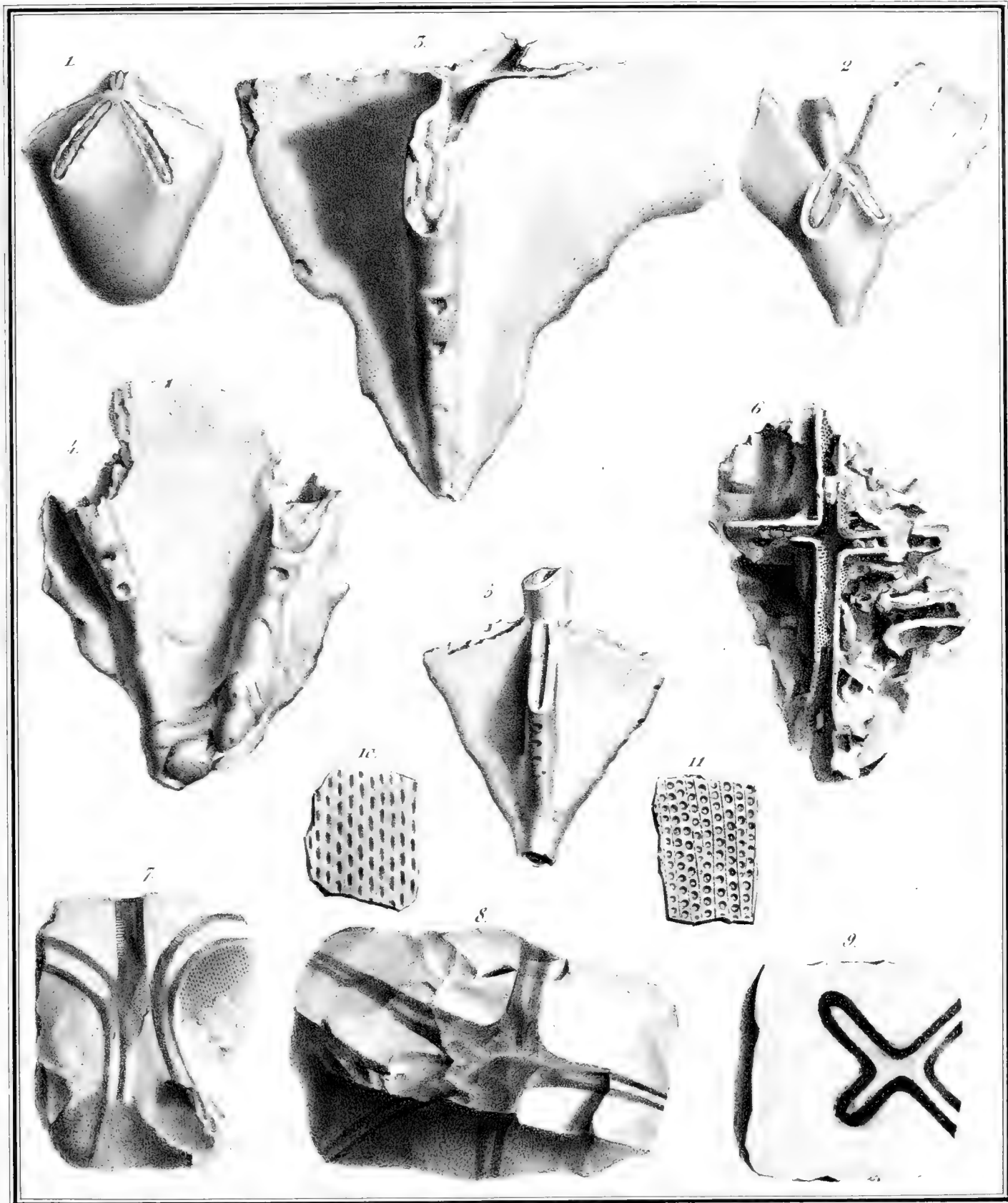
Impr. de J. B. Barre du Parc à Paris.

- | | | | | |
|---|-------------------------------------|-----------|---|---------------------------|
| 1 | <i>Cocciopora infundibuliformis</i> | Goldfuss. | 4 | <i>Scyphia cerebrata.</i> |
| 2 | <i>Spongia multiporetta.</i> | Michelin | 5 | <i>Siphonia ficoides</i> |
| 3 | <i>Müllipora mamillifera.</i> | | 6 | <i>Scyphia Filloni</i> |

Michelin

GROUPE CRÉTACÉ.

Plaque de *Orthis* et de *Strophomena* du Crétacé.



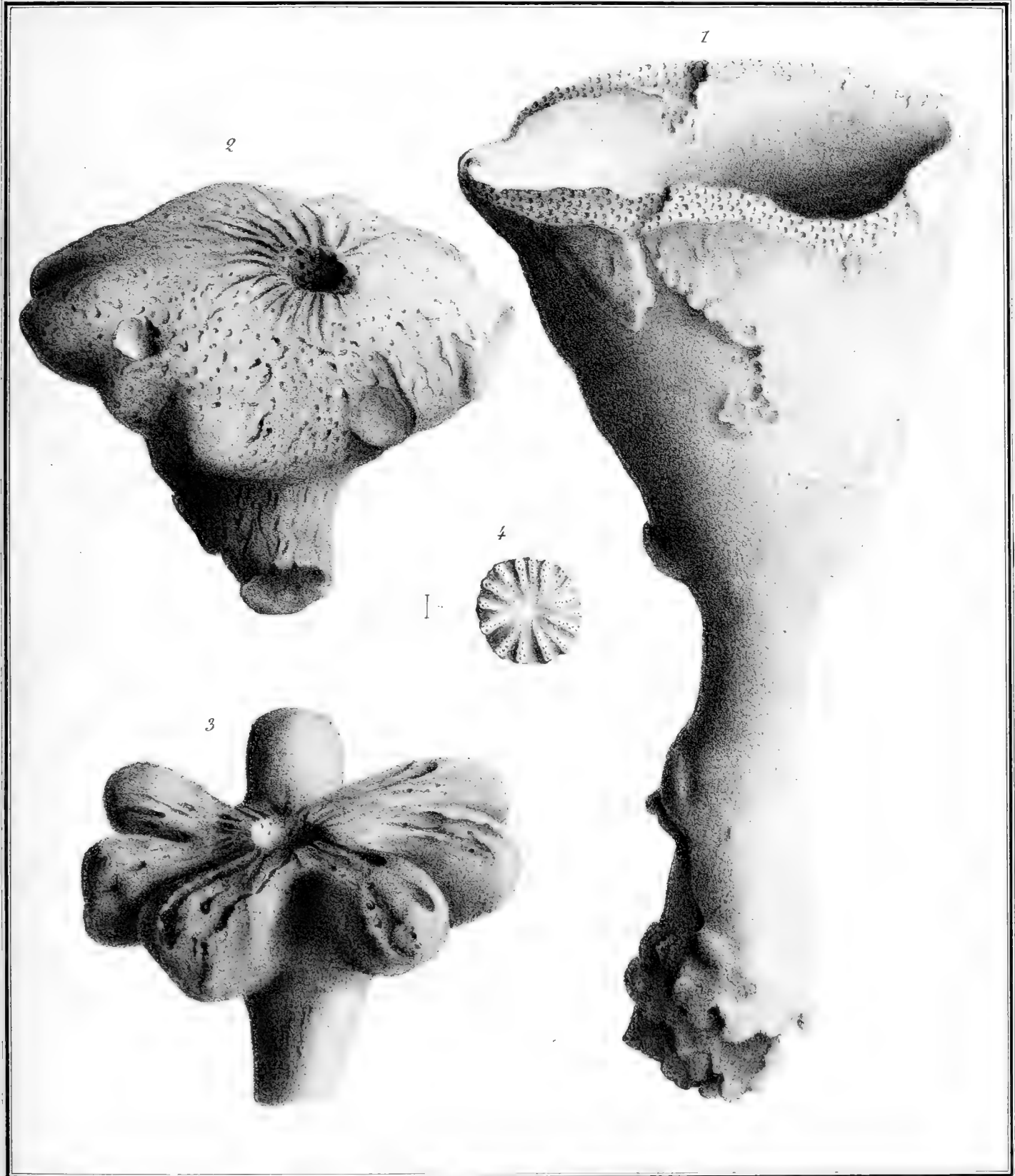
Orthis stellata Michelin



GROUPE CRÉTACÉ.

CRAIE CHLORITÉE DU CALVADOS, DE L'ORNE, D'INDRE ET LOIRE, DE LOIR ET CHER &^a

PL 31



Ludovic Michelin in lap.

Voy. Cordier r. Barre du-Roc 4 à Paris

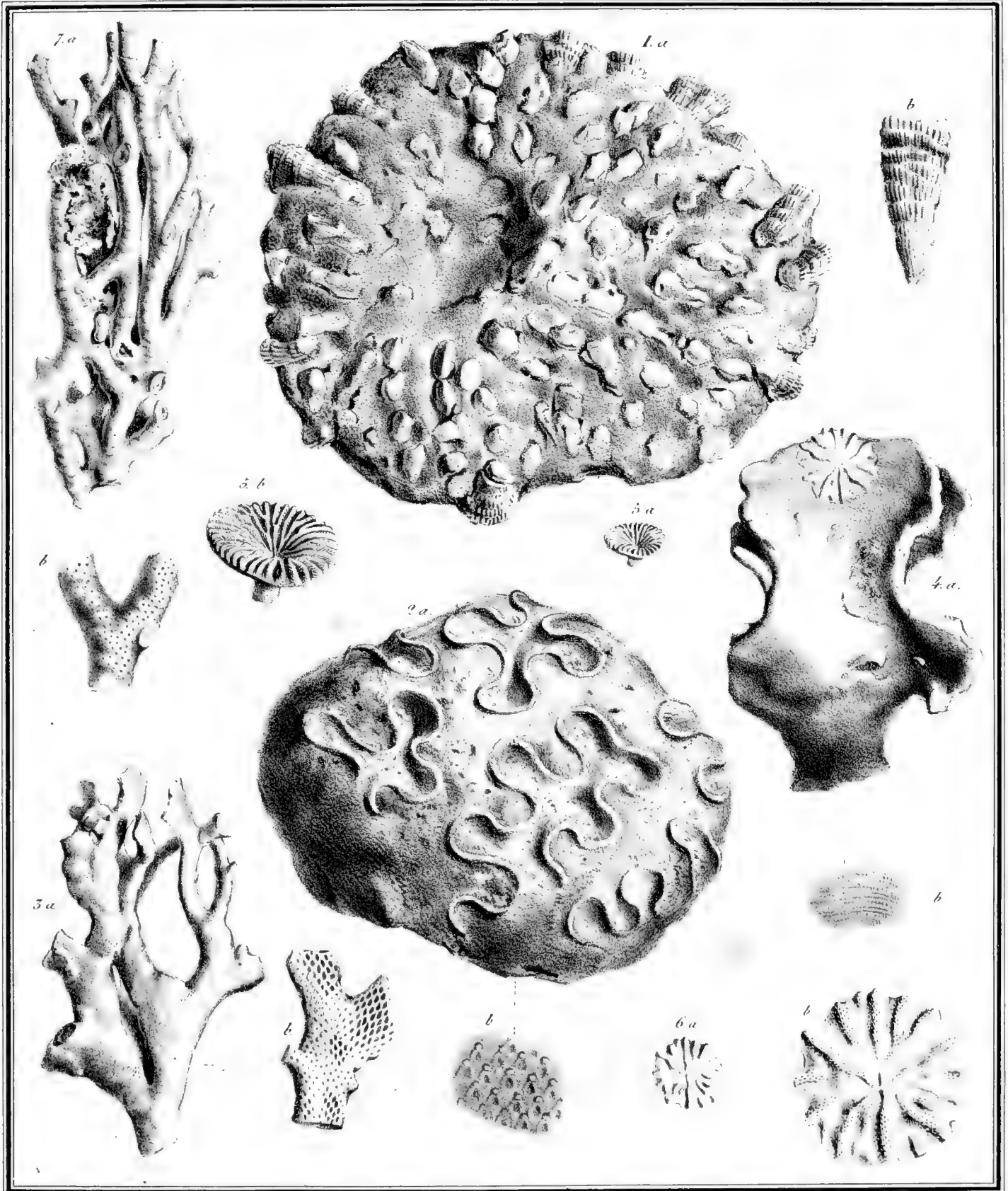
1 *Chenendopora Parkinsonis*, Michelin.
2 *Hallirhoa brevicostata*.

3 *Hallirhoa costata*. Lamouroux.
4 *Tubulipora Brongniartii*. M. Edwards?



GROUPE CRÉTACÉ

COLETTIERES DE VESADOS, DE L'ORNE, D'INDRE & LOIRE, DE L'ATLANTIQUE & CHEVREUIL



Ludovic Michelin in Lapp

Ed. de l'Im

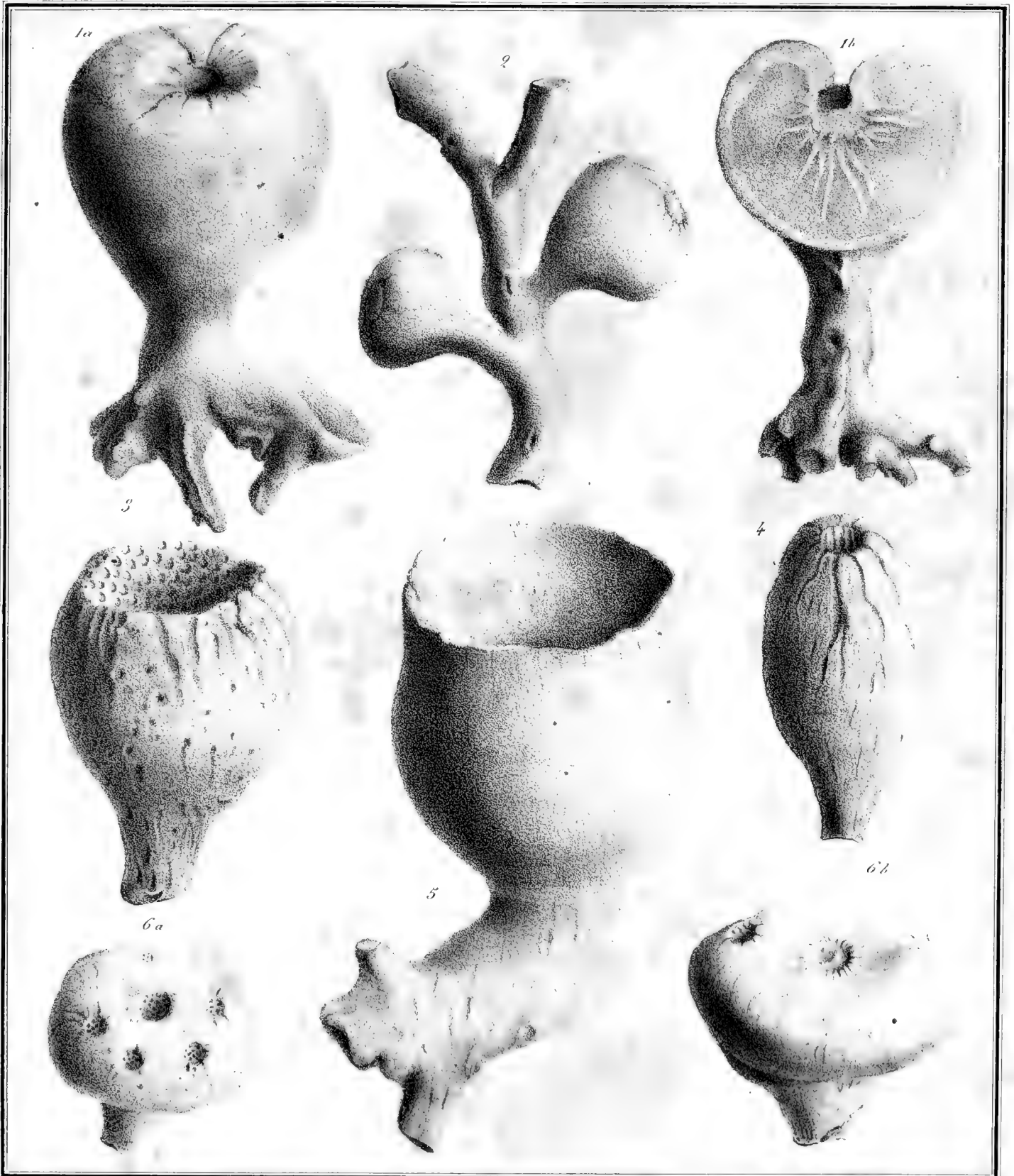
- | | | |
|---|--|--------------------------------------|
| 1 <i>Polytheca Fleurbaeysi</i> Michelin | 5 <i>Escharella Hanstrickii</i> Michelin | 6 <i>Tubulipora elegans</i> Michelin |
| 2 <i>Escharella lobquithieri</i> | 4 <i>Coelastrea expansa</i> | 7 <i>Cenocera popularia</i> |
| | 3 <i>Plogia Kudassi</i> | |



GROUPE CRÉTACÉ

CRAIE CHLORITÉE, DU CALVADOS, DE L'ORNE, D'INDRE ET LOIRE, DE LOIR ET CHER 84.

Pl. 33



Ludovic Michelin in lap.

Imp. Goussier, Rue de la Harpe, 67, Paris.

1 *Siphonia pyriformis*, Goldfuss.
 2 ————— *arbuscula*, Michelin.
 3 *Serea excavata*, —————

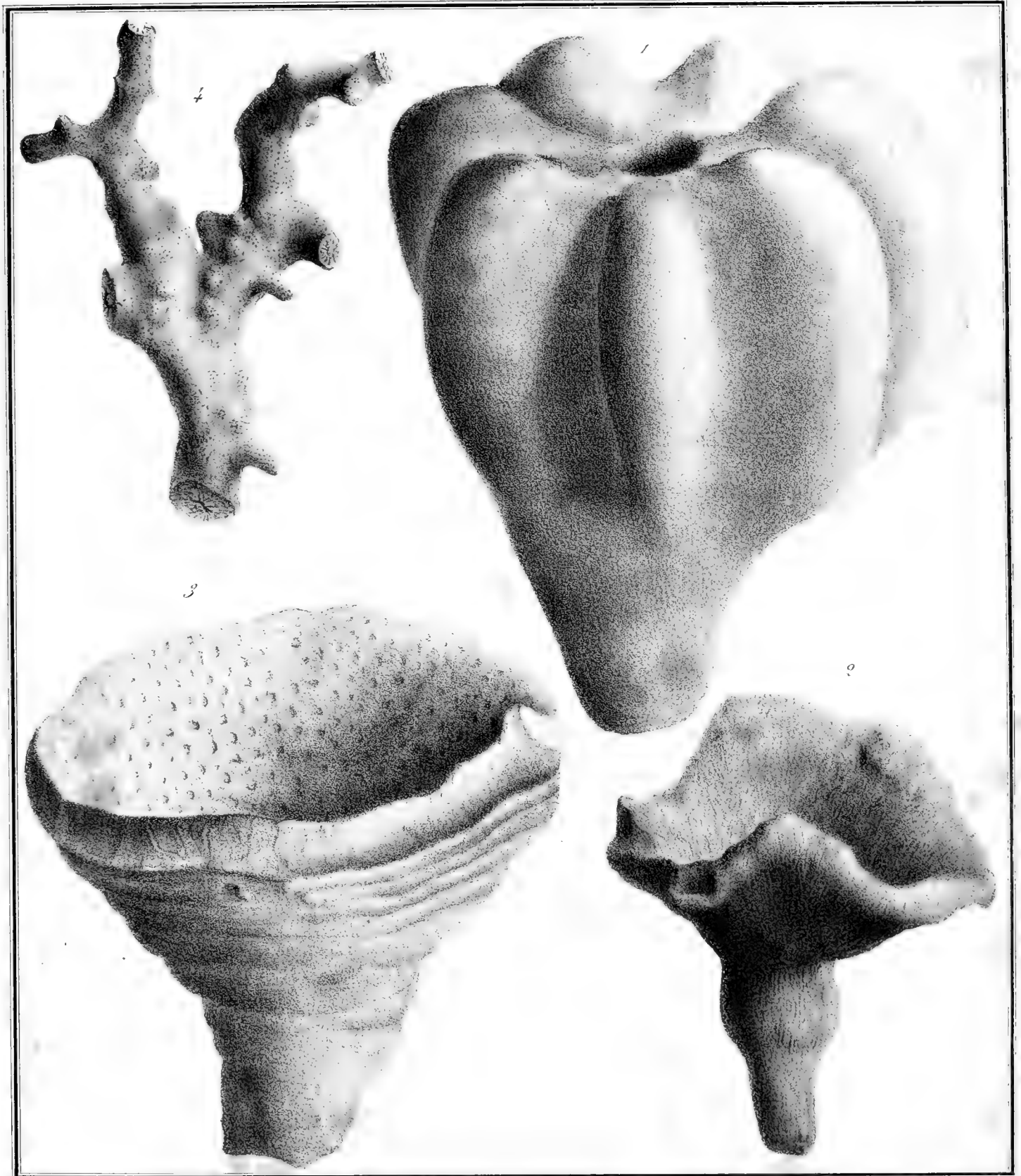
4 *Siphonia nuciformis*, Michelin
 5 *Chenendopora pocillum*, —————
 6 *Siphonia multioculata*, —————



GROUPE CRÉTACÉ

CRAIE CHLORITÉE DU CALVADOS, DE L'ORNE, D'INDRE ET LOIRE, DE LOIR ET CHER. 8.

Pl. 34



Ludovic Michelin in lep

g. G. de la ...

1 *Balliroa Tessonis*, Michelin
2 *Cheucodopora fungiformis*, Lamoureux

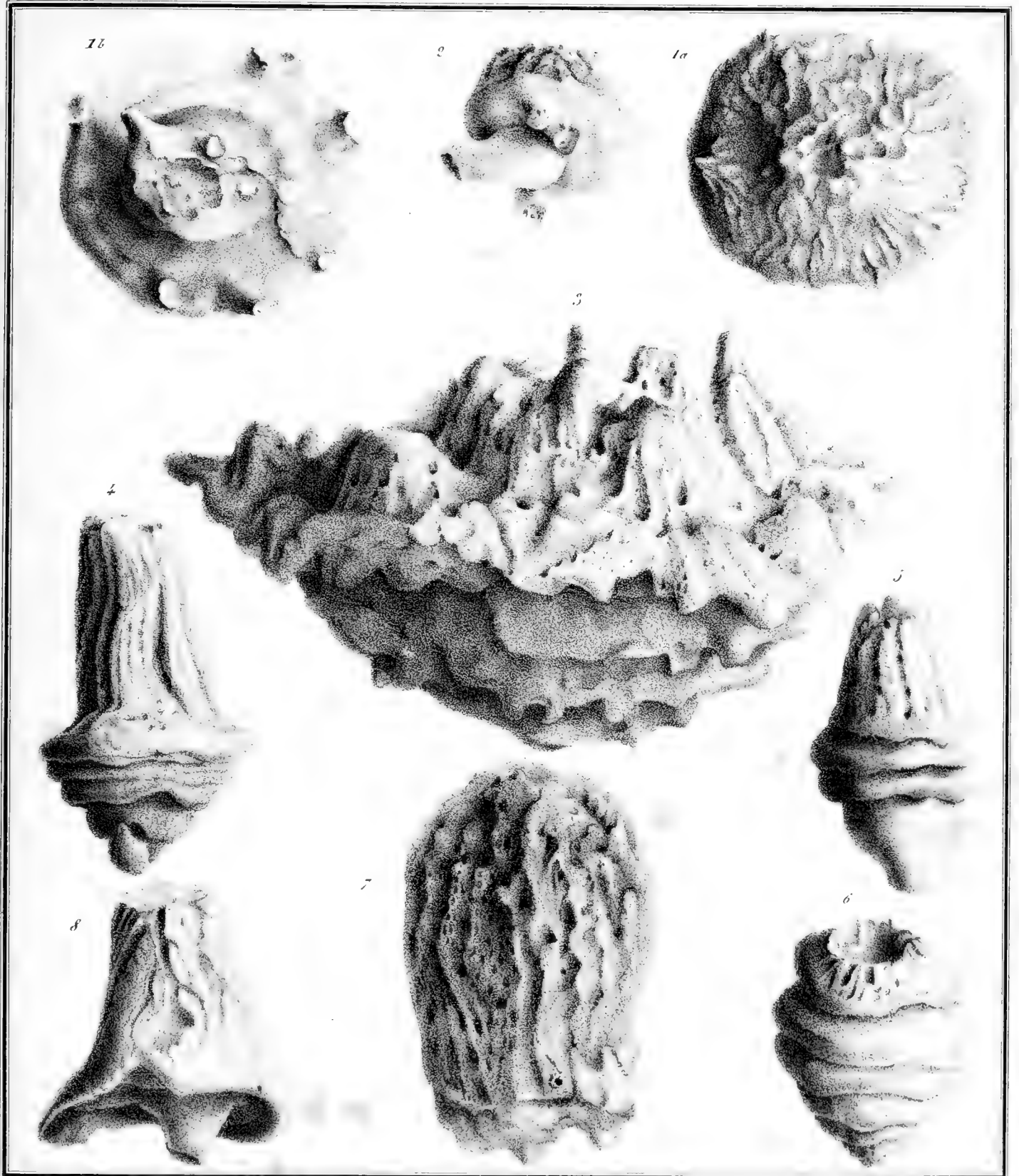
3 *Cheucodopora undulata*, Michelin.
4 *Heteropora digitata*, ———



GROUPE CRÉTACÉ.

CRAIE CHLORITÉE DU CALVADOS, DE L'ORNE, D'INDRE ET LOIRE, DE LOIR ET CHER &c.

PL. 35



Ludovic Michelin in lyp

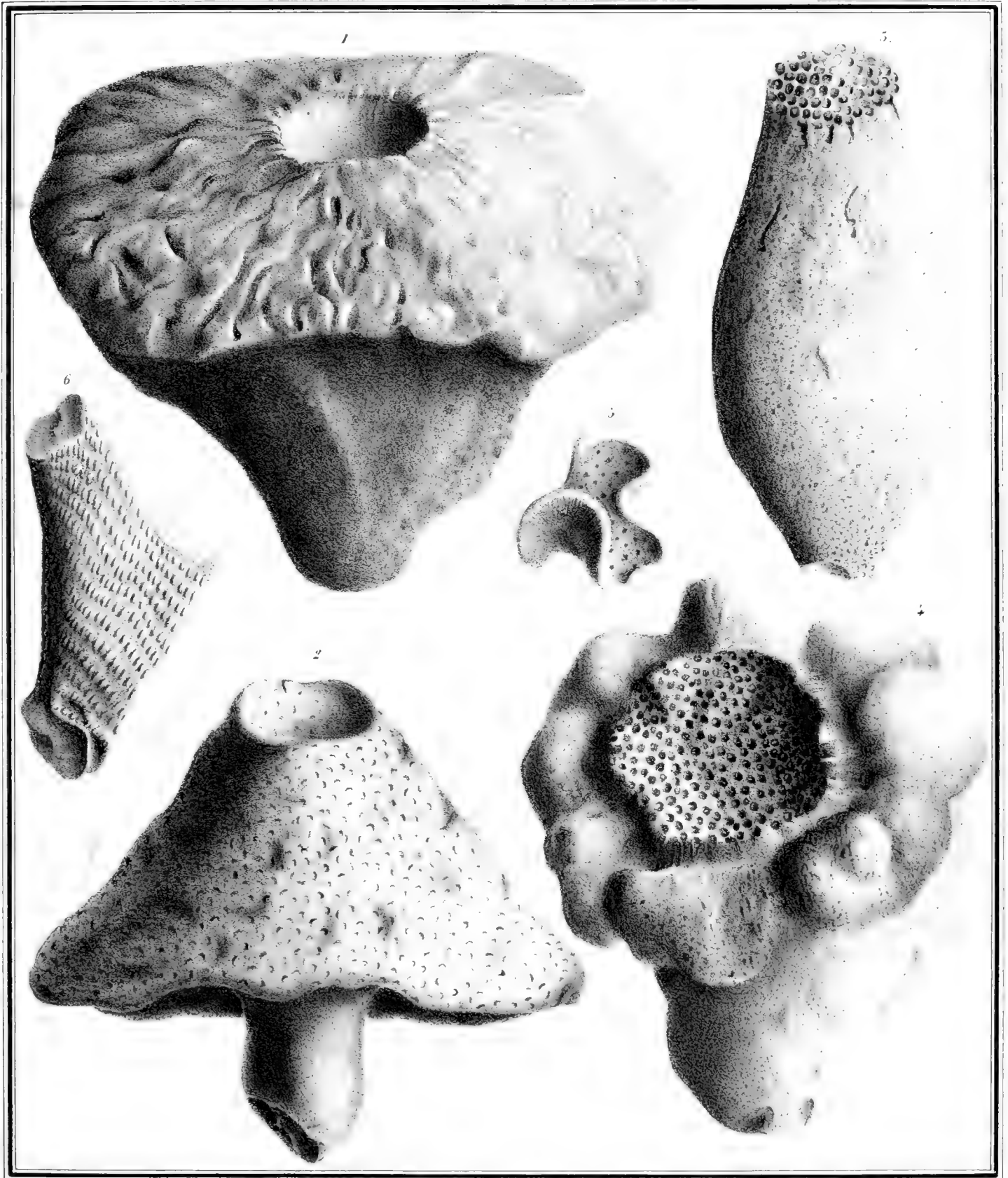
Imp. Gauthier, Paris, 1854

Turonia variabilis. Michelin.



GROUPE CRÉTACÉ

CRAIE CHLORITÉE DU CALVADOS, DE L'ORNE, D'INDRE-ET-LOIRE, DE LOIR-ET-CHER, ETC.

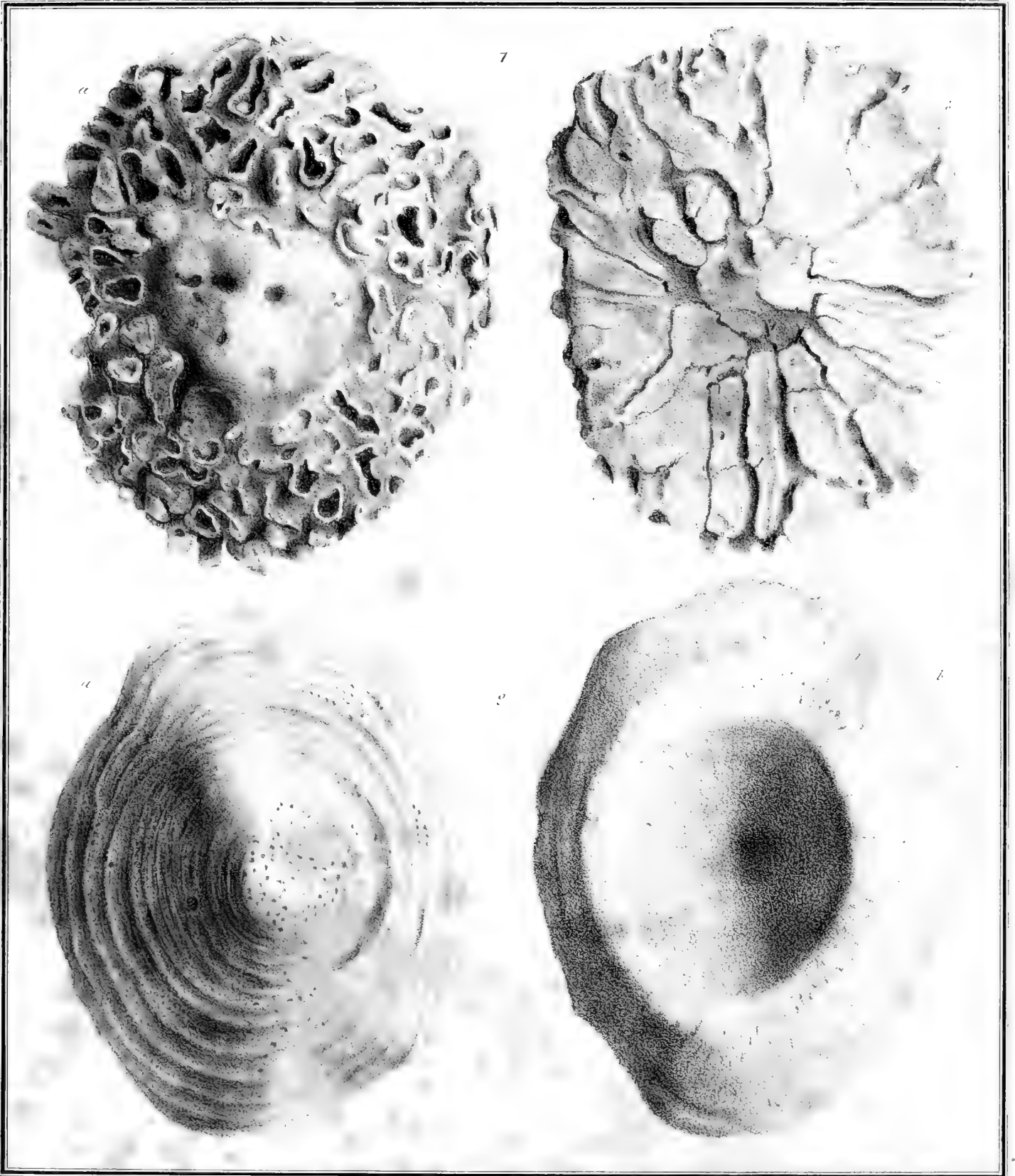


1. <i>Hippalimus Roissyi</i> Michelin .	3. <i>Sera</i> pyriformis Lamouroux .	5. <i>Spongia perrai</i> Michelin
2. ————— <i>fungoides</i> Lamouroux .	4. ————— <i>mutabilis</i> Desfrance .	6. <i>Asclepora cylindrica</i> —————



GROUPE CRÉTACÉ

CRAIE CHLORITEE, DU CALVADOS, DE L'ORNE, D'INDRE ET LOIRE, DE LOIR ET CHER &



Ludovic Michelin in 1879

Des. G. Deshayes, Barrois, in 1879

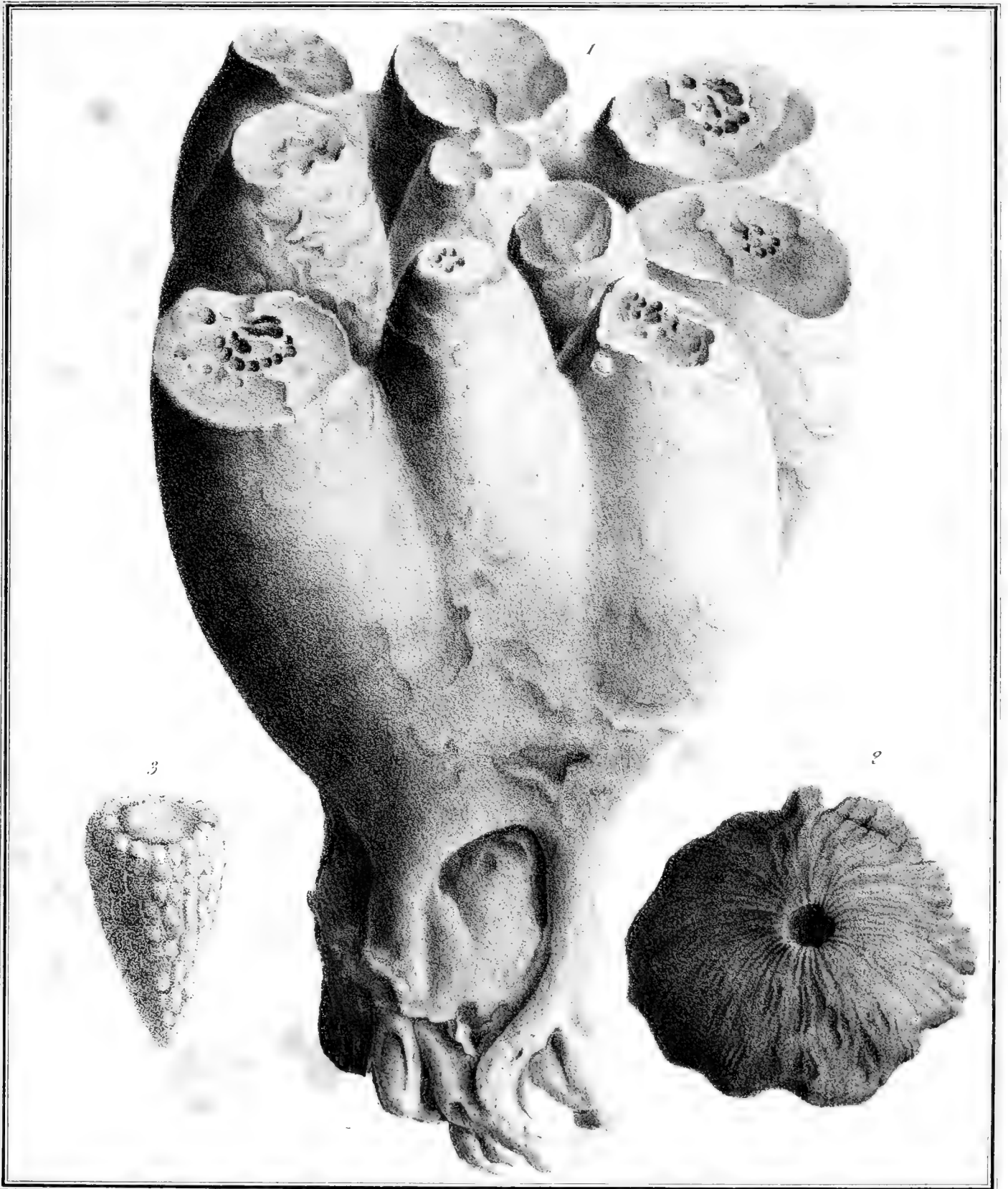
1 *Polypothecia Pitonica*. Michelin. 2 *Chenendopora pateriformis*. Michelin.



GROUPE CRÉTACÉ

CRAIE CHLORITÉE DU CALVADOS, DE L'ORNE, D'INDRE ET LOIRE, DE LOIR ET CHER &c.

Pl. 58

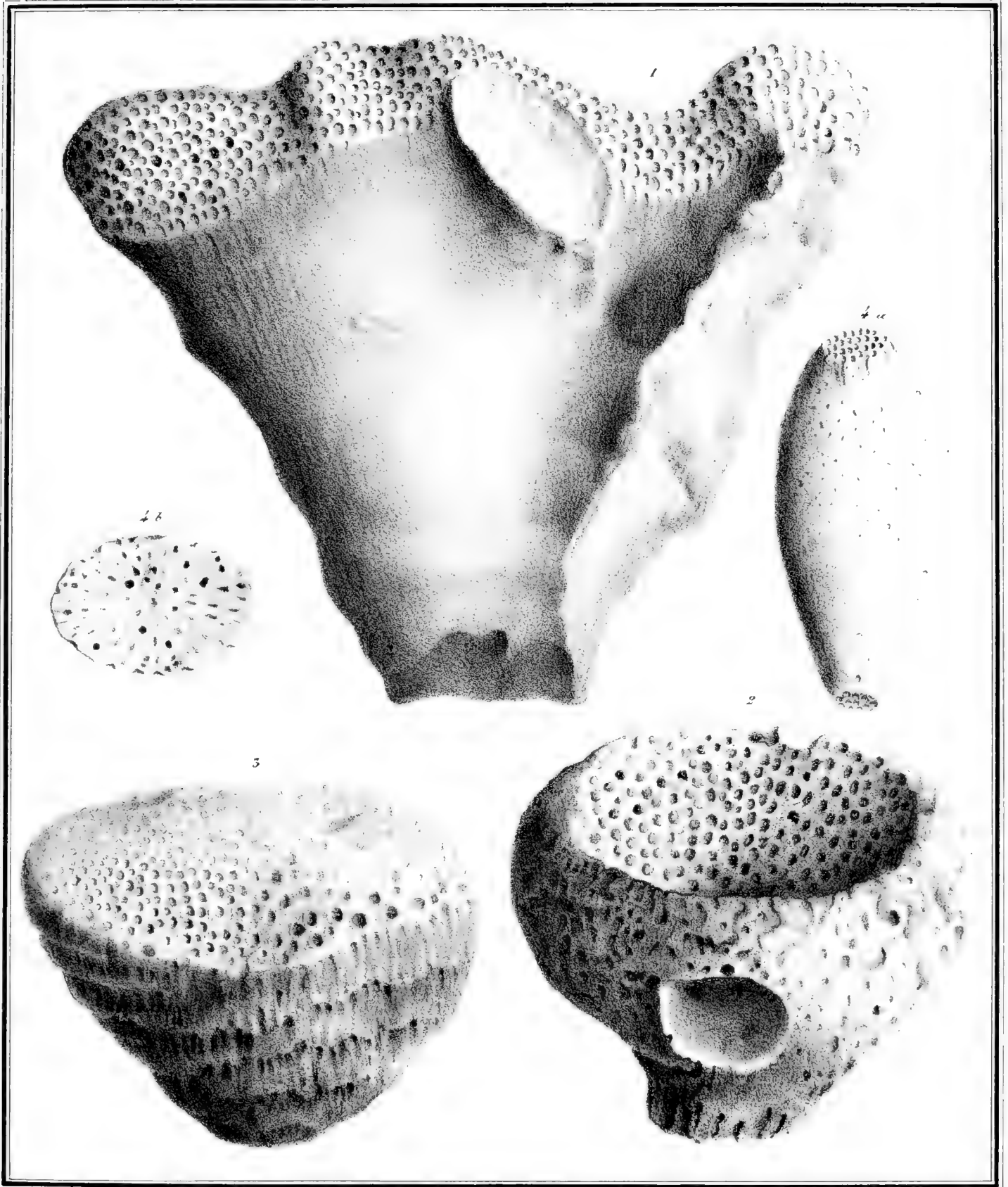


1 *Sereia gregaria*

2 *Siphonia acaulis*
3 *Ventriculites Benettii*

Michelin.
MauteLL.



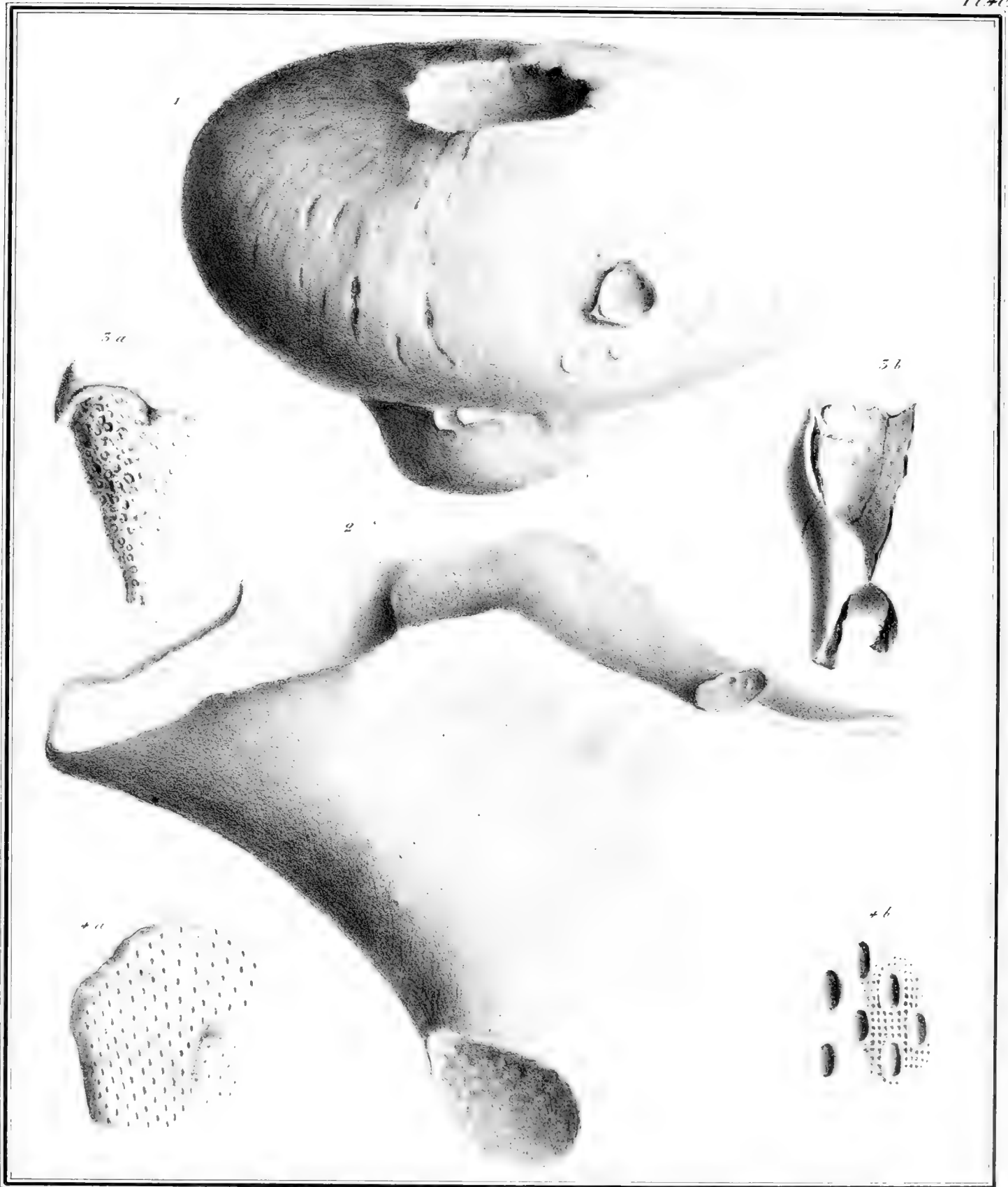


Ch. Michel

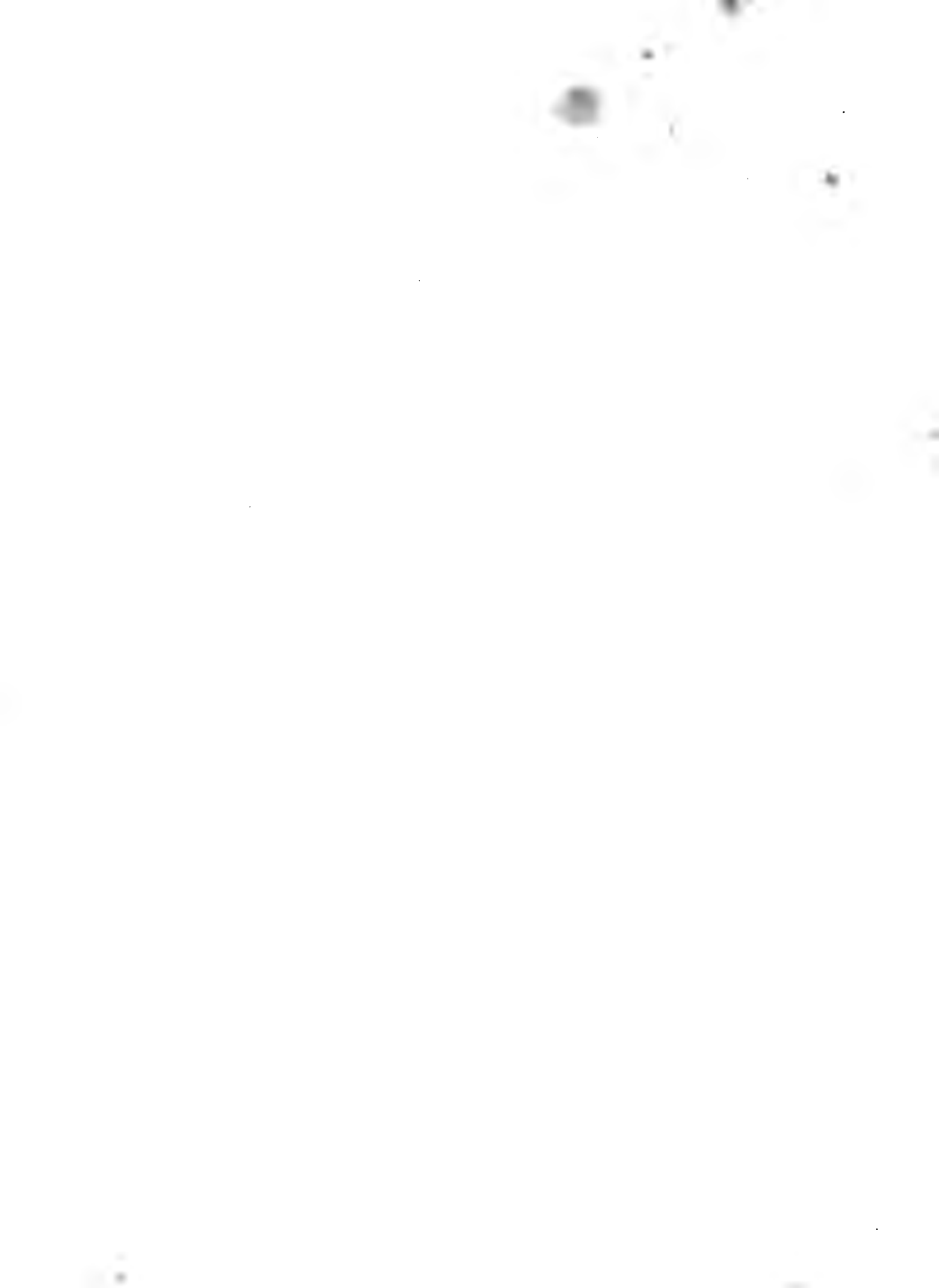
1. *Sera Desnoyersii* Michelin
 2. ————— *excavata* —————

3. *Sera tuberosa* Michelin
 4. ————— *elongata* —————



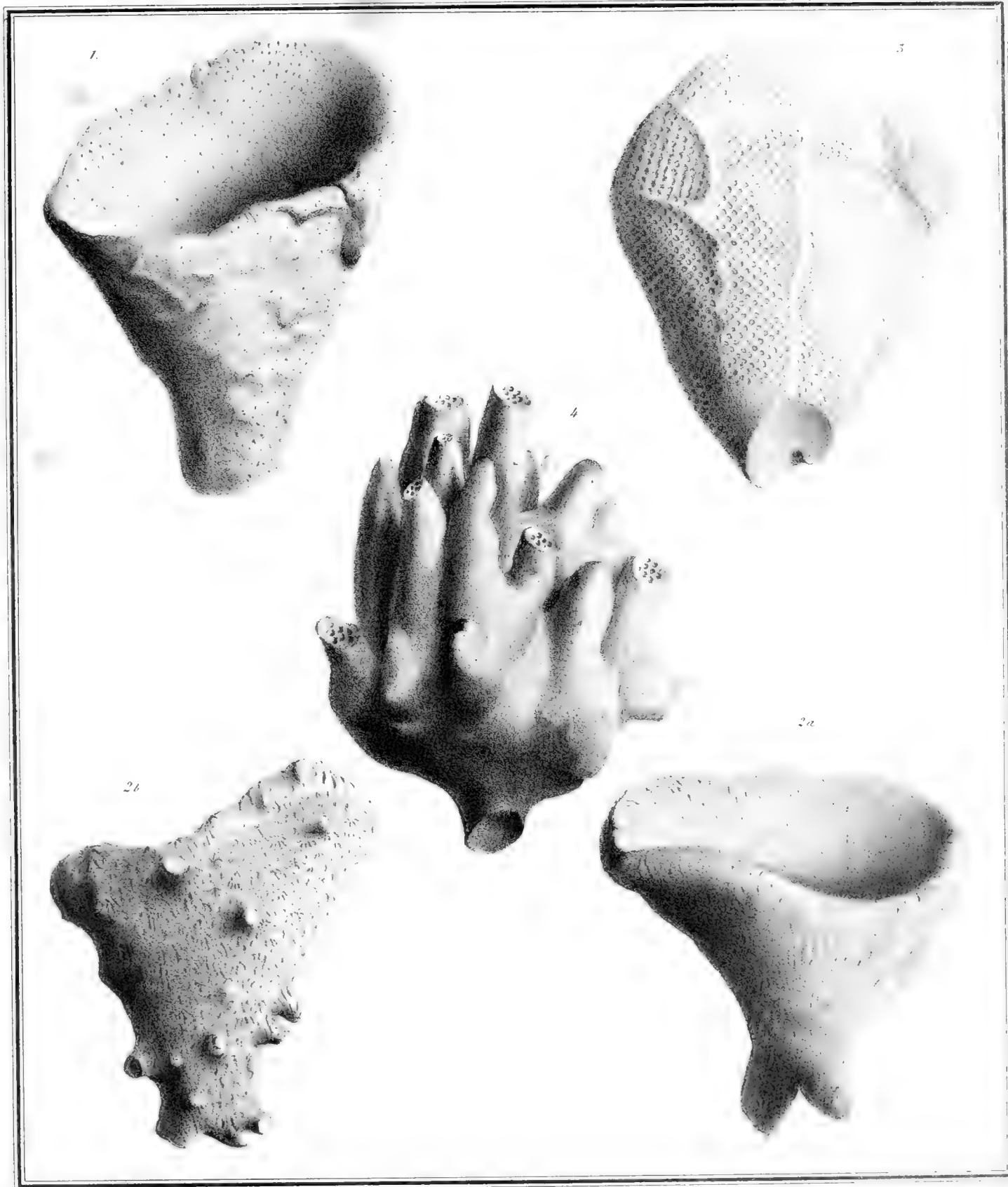


1	<i>Siphonia incrassata.</i>	Soldfuss	5	<i>Ocellaria grandipora.</i>	Michelin
2	<i>Chenendopora undulata.</i>	Michelin	4	<i>Ptilopora crassa.</i>	



GROUPE CRÉTACÉ.

FAIE CHLORITEE DU CALVADES DE L'ORNE, D'INDRE ET LOIRE



Ludovic Michelin in Leo

PLATEAU DE L'ORNE

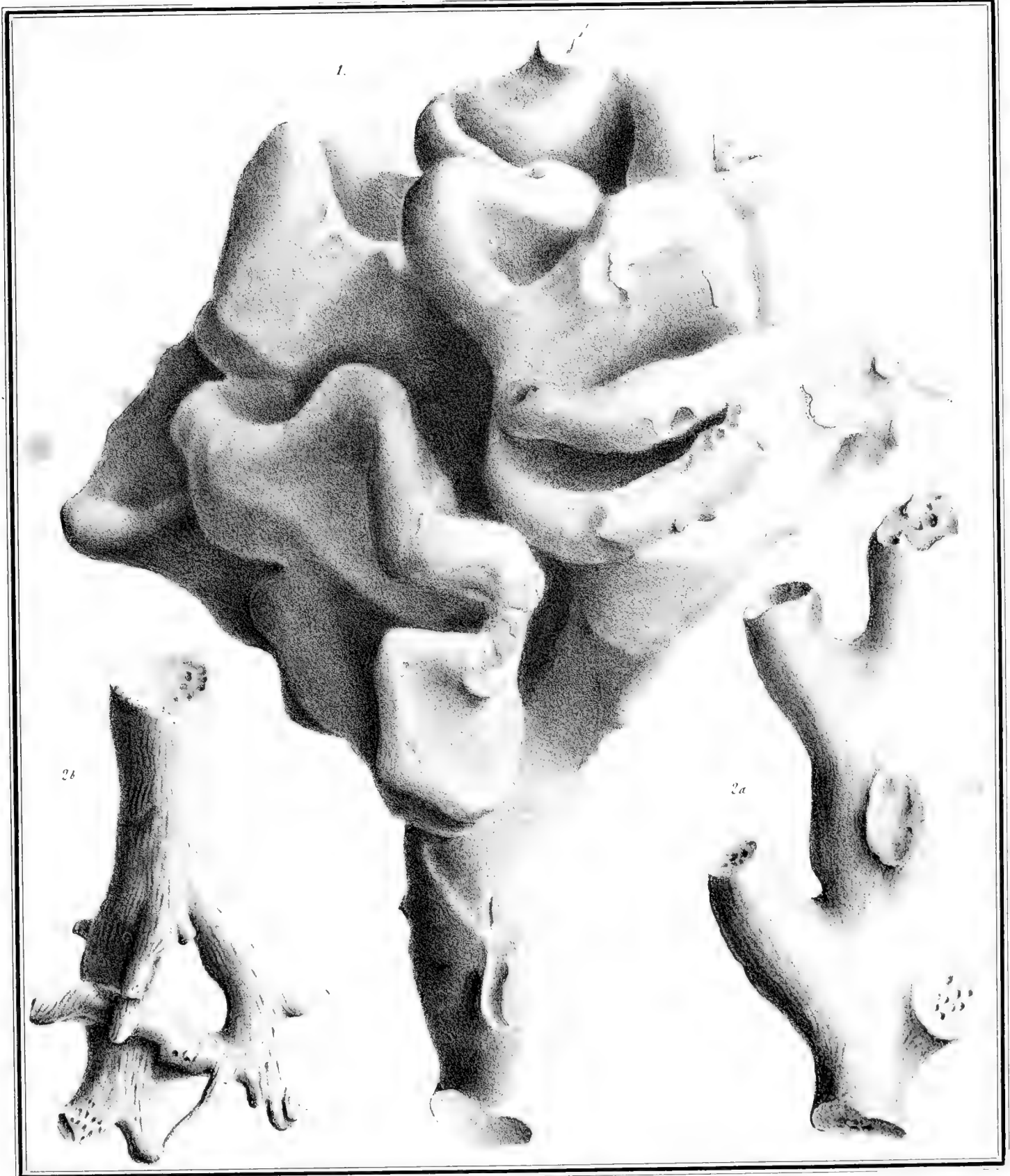
1. *Chenendopora Sabplena* Michelin.
2. *_____ obliqua* _____

3. *Ocellaria nuda* Ramond.
4. *Saxa cespitosa* Michelin



GROUPE CRÉTACÉ.

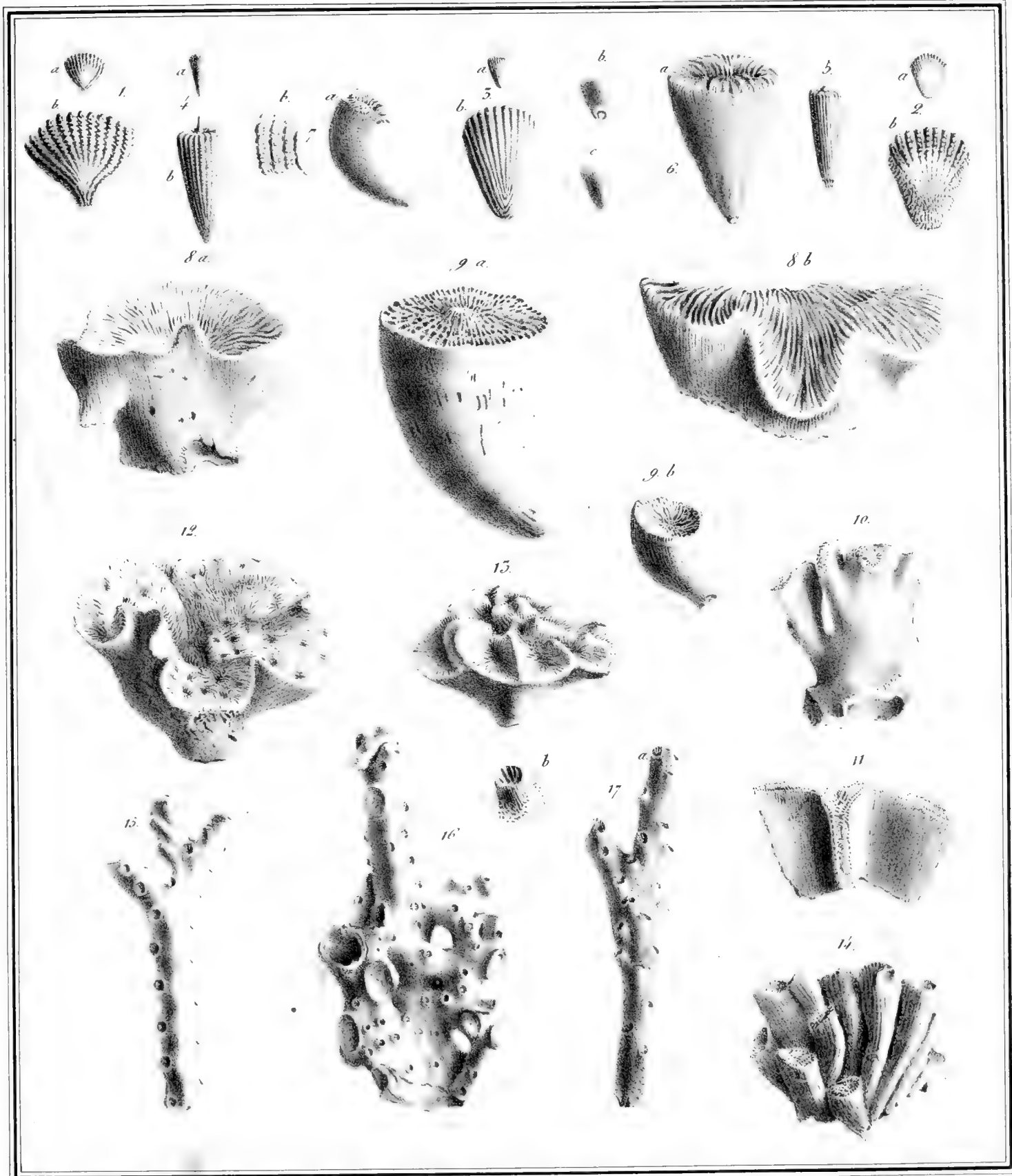
TABLEAU DES SÉRIES DE SERRA, D'APRÈS LE TRAVAIL DE MICHELIN



1. *Spongia contorto-lobata*, Michelin || 2. *Serra arborescens* Michelin



GROUPE SUPRACRÉTACÉ
 BASSIN PARISIEN.



Ludovic Michelin in Lap.

Lith. de Thierry & Co.

- 1. *Turbinolia crispata.*
- 2. *_____ semigranosa.*
- 3. *_____ mixta.*
- 4. *_____ sulcata.*
- 5. *_____ dispar.*

Lamarck.
Michelin.
DeFrance
Lamarck
DeFrance

- 6. *Turbinolia elliptica*
- 7. *_____ Graverosi.*
- 8. *Anthophyllium distortum*
- 9. *Caryophyllia truncata*
- 10. *Dendrophyllia curviro.*
- 16. *Oculina varistella.*
- 17. *Madypora ornata*

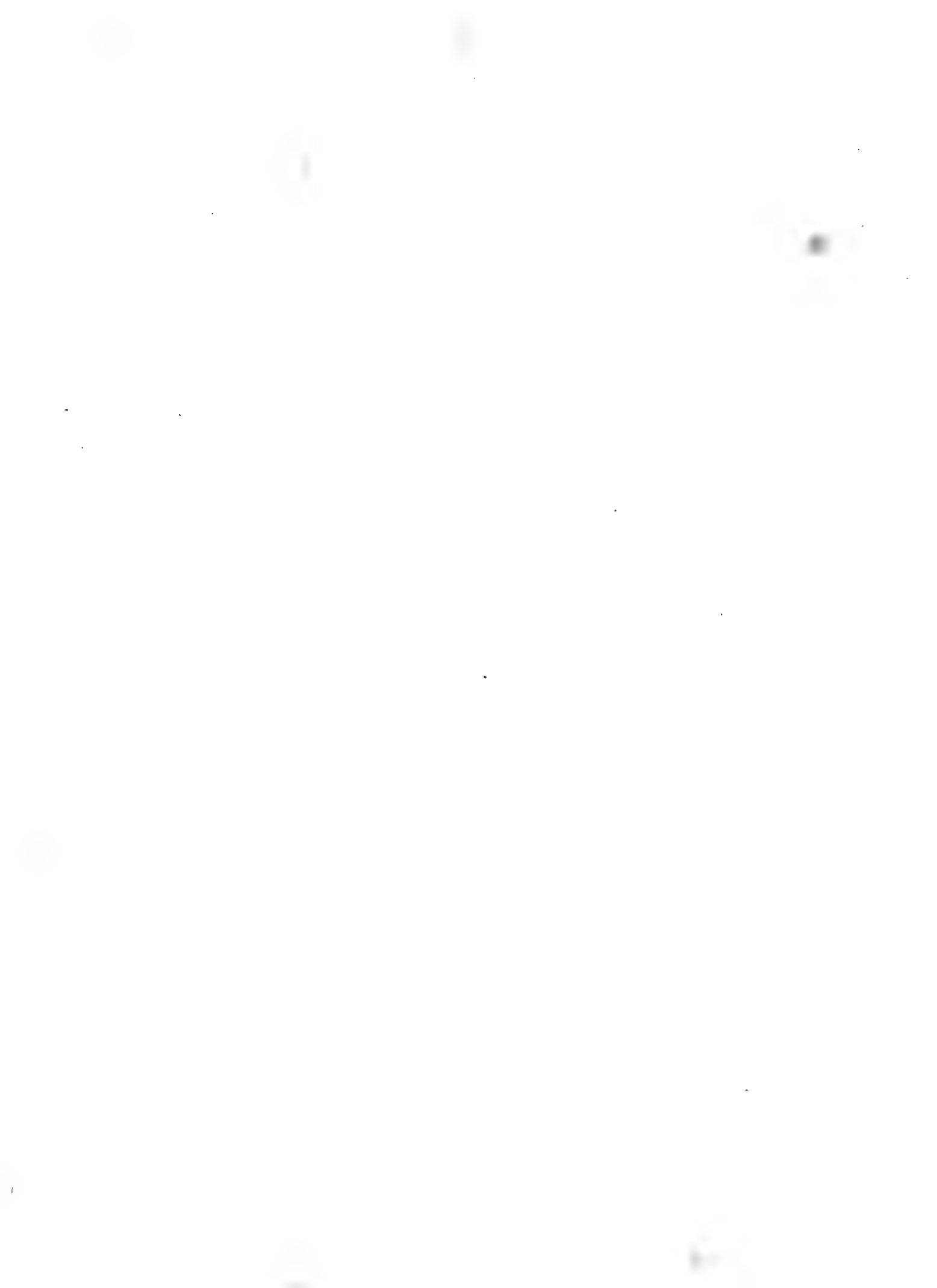
Al Brenguier
Michelin.

DeFrance.

- 11. *Lebophyllia Parisiensis*
- 12. *Aporicia insunditubiformis*
- 13. *Mandrina Valmencloisiana*
- 14. *Lithodendron irregulare*
- 15. *Oculina Solandieri.*

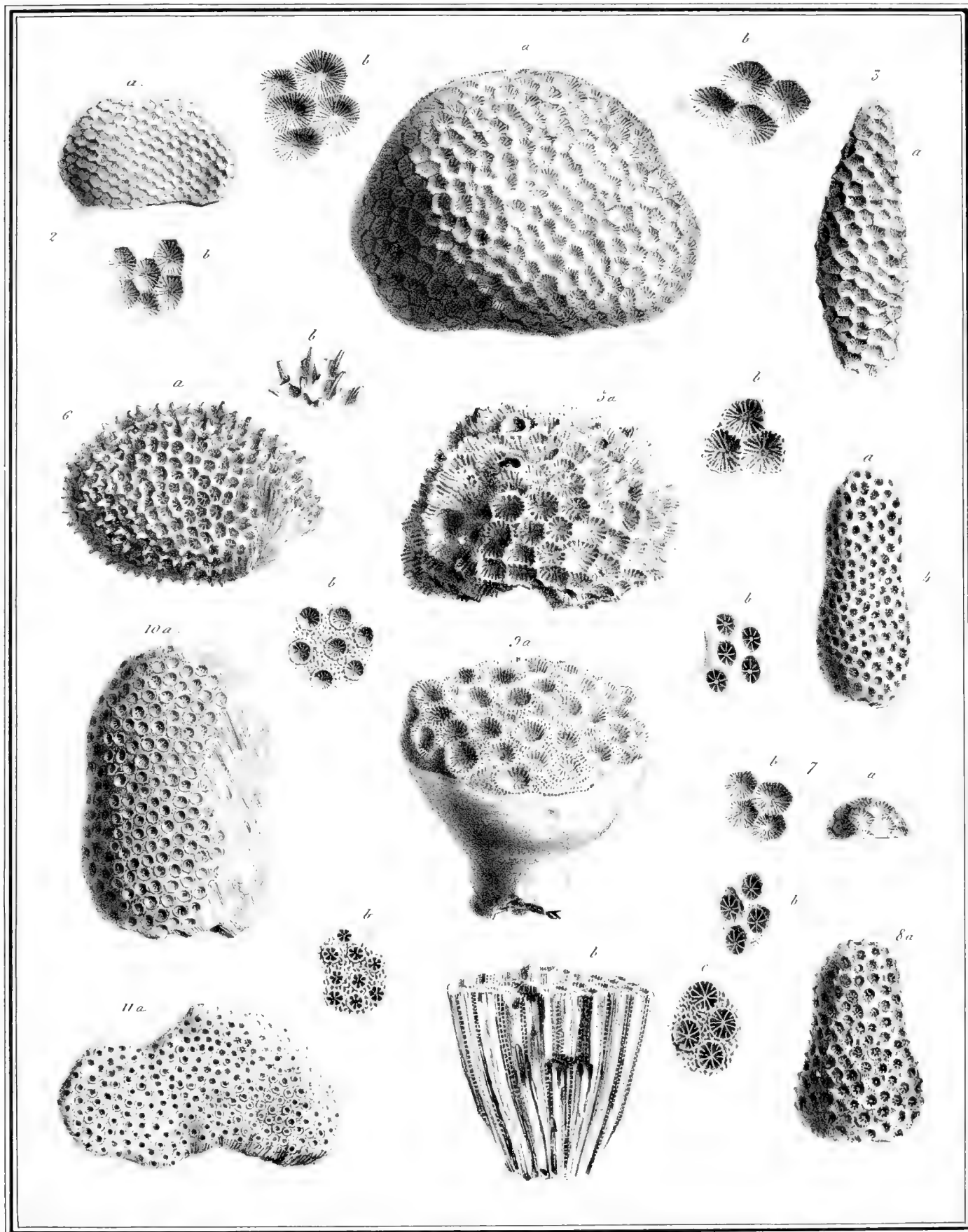
Michelin

DeFrance.



GROUPE SUPRACRÉTACÉ.

PARISIEN



Ludovic Michelin in Lap.

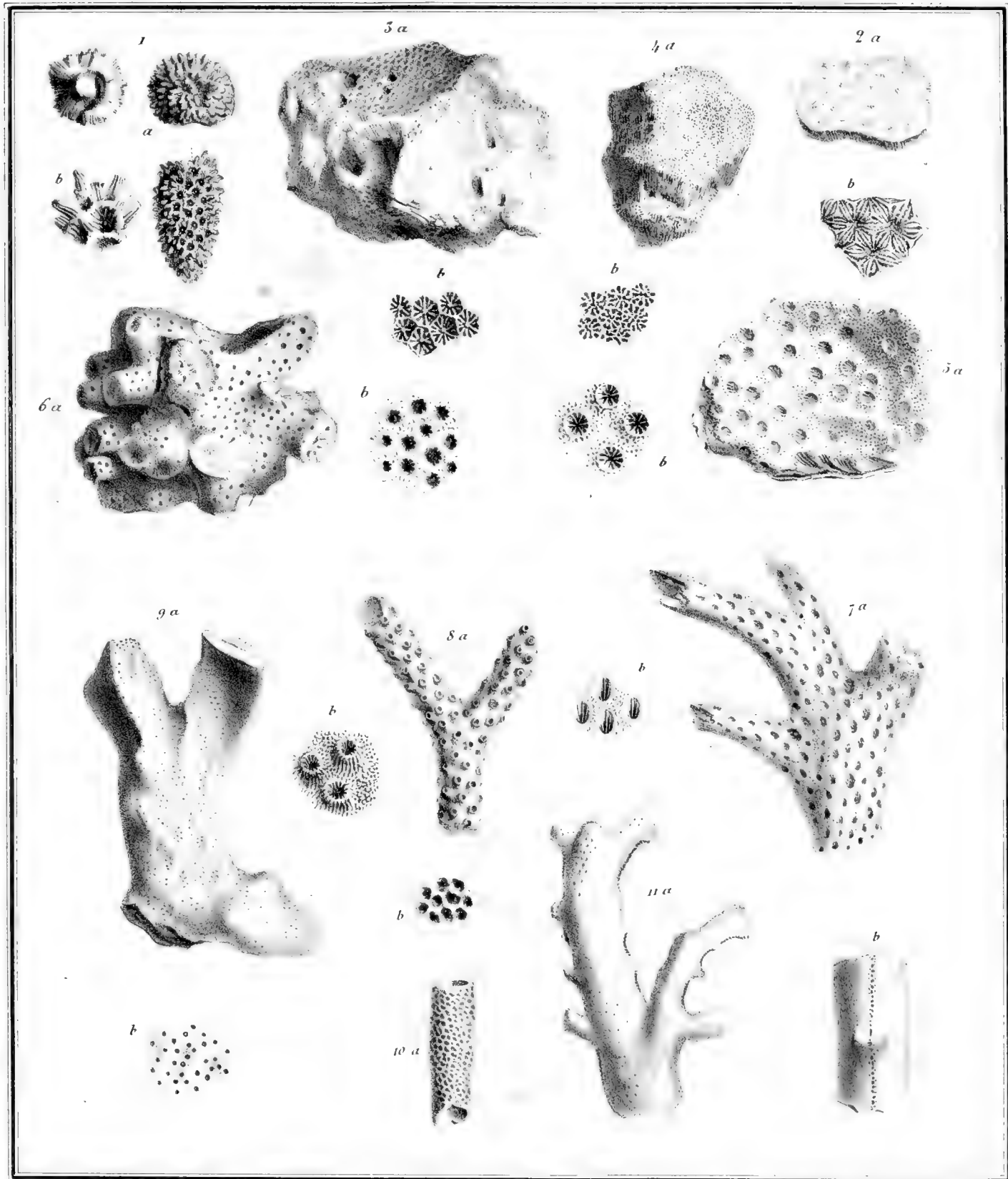
Lith. de Theury fr.

1.	<i>Astrea</i>	<i>crunulata</i>	Goldfuss.	5.	<i>Astrea</i>	<i>hirtolamellata</i>	Michelin	9.	<i>Astrea</i>	<i>sphaeroidakis</i>	Michelin
2.	_____	<i>bellula</i>	Michelin.	6.	_____	<i>emarginata</i>	Defrance	10.	_____	<i>lucida</i>	_____
3.	_____	<i>Ameliana</i>	Defrance.	7.	_____	<i>crispa</i>	Michelin	11.	_____	<i>purpurea</i>	_____
4.	_____	<i>cylindrica</i>	_____	8.	_____	<i>decorata</i>	_____				

GROUPE SUPRACRÉTACÉ.

BASSIN PARISIEN.

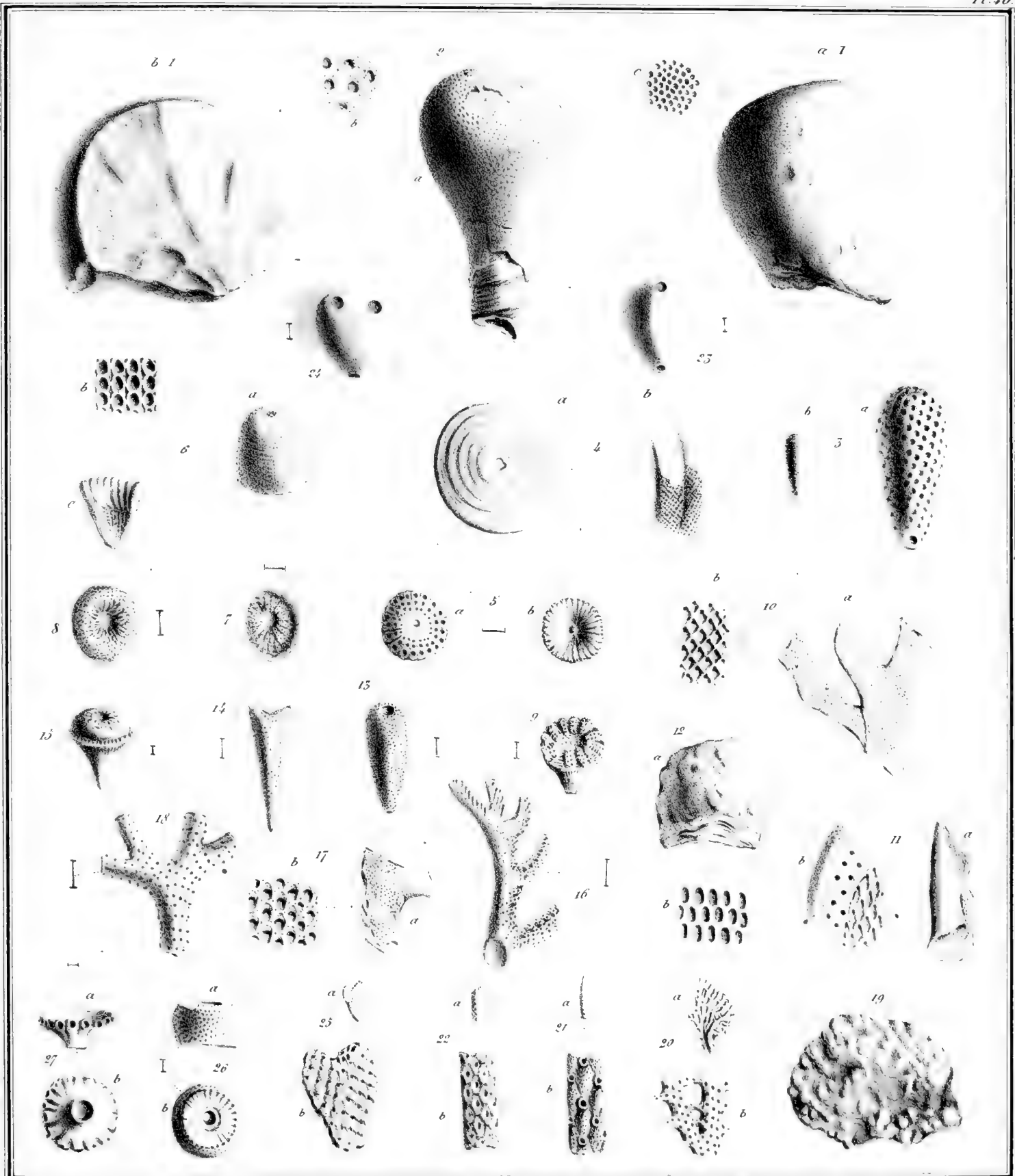
Pl. 45



Ludovic Michelin, in l'op.

<p>1. <i>Astrea</i> <i>Hystrix</i> DeFrance</p> <p>2. ——— <i>tesellata</i> Michelin</p> <p>3. ——— <i>microstellata</i> ———</p> <p>4. <i>Porites</i> <i>Deshayesiana</i> ———</p>	<p>5. <i>Conniopora</i> <i>asperrima</i> Michelin</p> <p>6. <i>Heliopora</i> <i>deformis</i> ———</p> <p>7. <i>Madrepora</i> <i>Solanderi</i> DeFrance</p> <p>8. ——— <i>Circilla</i> ———</p>	<p>9. <i>Palmipora</i> <i>Solanderi</i> Michelin</p> <p>10. <i>Alveolites</i> <i>Parisiensis</i> ———</p> <p>11. <i>Dislichopora</i> <i>antiqua</i> DeFrance</p>
---	---	---





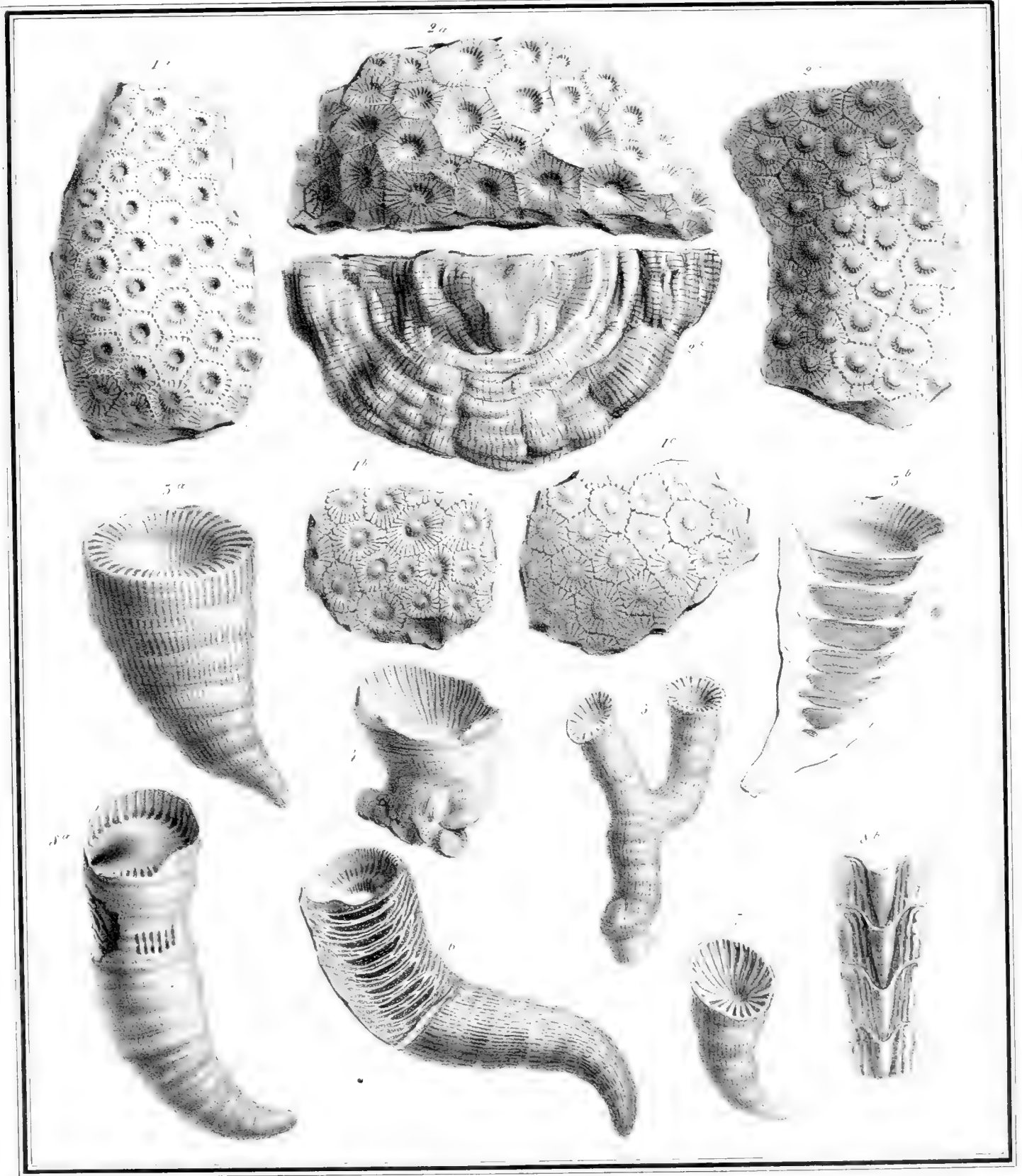
Les figures Michelini n. 1-27.

1.	<i>Chaetites pomiformis</i> .	Michelini	10.	<i>Plastrum muraliana</i> .	Michelini	19.	<i>Mullipora granulosa</i>	Michelini
2.	<i>Cœclia pyriformis</i> .	_____	11.	<i>Eschara melleoperca</i>	M Edwards	20.	<i>Pectopora Ferrussacii</i>	_____
3.	<i>Dactylopora cylindrica</i> .	Camarch	12.	<i>Membranipora philostrotiles</i> .	Michelini	21.	<i>Vincularia fragula</i>	Defrance
4.	<i>Orbitolites complanatus</i> .	_____	13.	<i>Polytrypax longula</i> .	Defrance	22.	<i>Vaginopora</i>	_____
5.	<i>Lunulites sulcatus</i> .	_____	14.	<i>Acœdaria Savantina</i>	D'Archiac	23.	<i>Orulites margaritacea</i>	Camarch
6.	_____ <i>uracolata</i> .	_____	15.	<i>Terbinia gracilis</i> .	Michelini	24.	_____	Vlas
7.	<i>Tribulopora Orignonensis</i> .	_____	16.	<i>Idmenea arenopus</i> .	Defrance	25.	<i>Eschara danuicornis</i>	Michelini
8.	_____ <i>stelliformis</i> .	Michelini	17.	<i>Eschara exuvata</i> .	Michelini	26.	<i>Vicia enriuelle</i>	_____
9.	<i>Lichenopora Defranceana</i> .	_____	18.	<i>Hornera hippoclytus</i> .	Defrance	27.	<i>Alipana marginiporella</i>	_____



GROUPE DE TRANSITION.

ENTRÉE DE L'ÉTOILE SUR MER

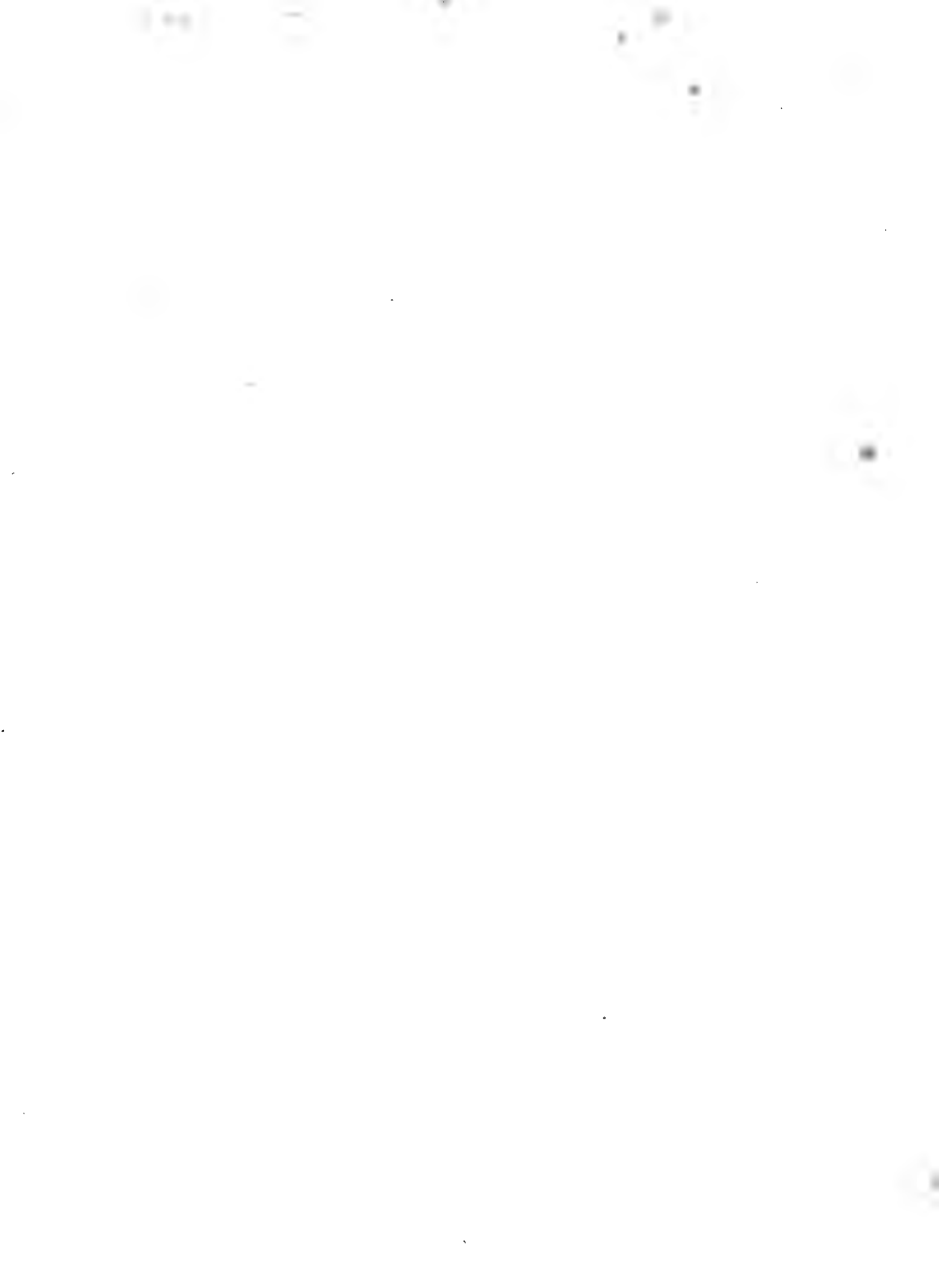


Antiqu. Tab. 27. 10.

1. *Acerentaria ananus* Michelin.
 2. *Cyathophyllum horvaynum* Goldfuss
 3. _____ *teratiles* _____

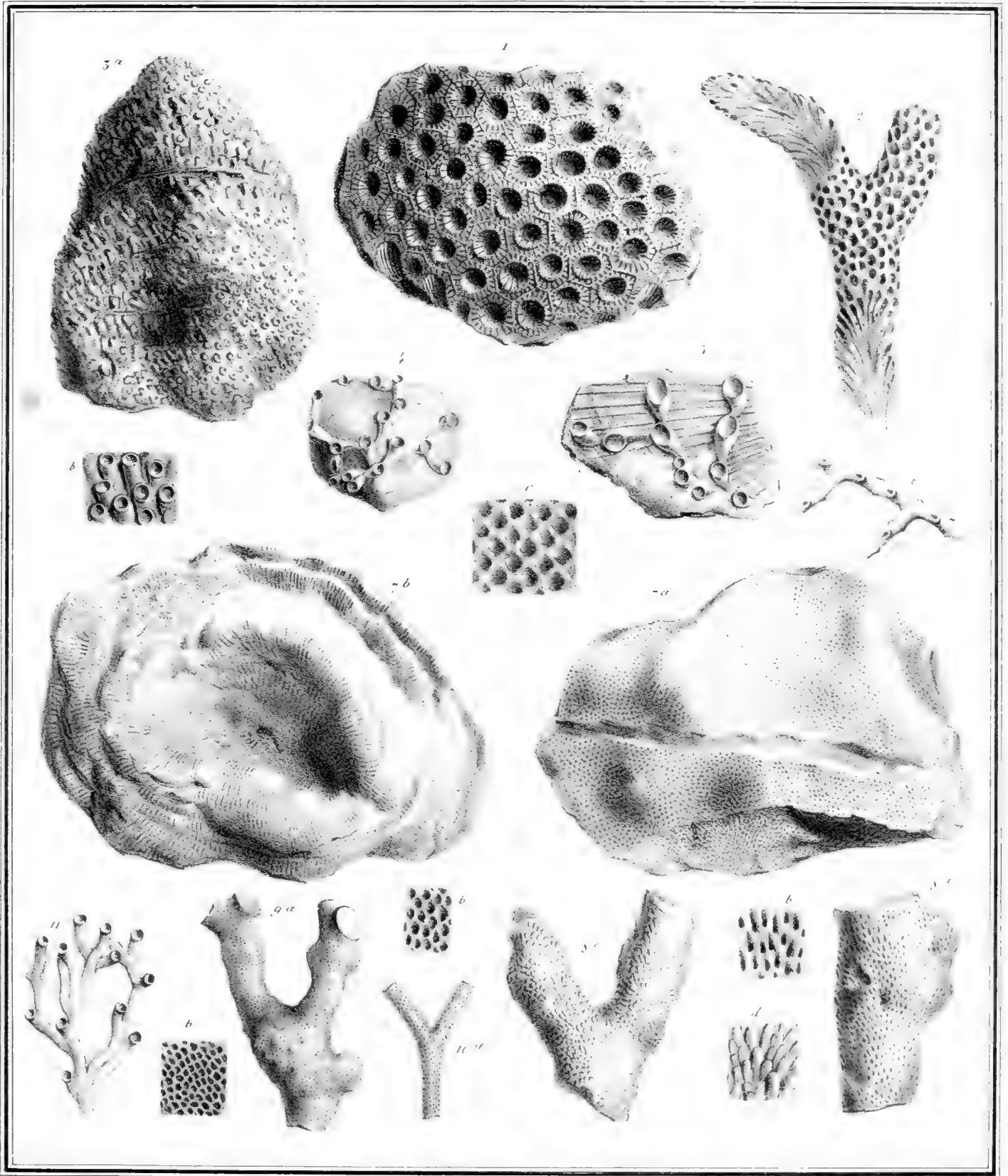
4. *Cyathophyllum Dantlous* Goldfuss.
 5. _____ *crispulosum* _____
 6. _____ *floricolum* _____

7. *Cyathophyllum nodatum* Schlottheim.
 8. *Antaria cornu bovis* Michelin



GROUPE DE TRANSITION.

TERRAIN DE LA MONTAGNE DE ST. EUSTACHE, PROVINCE DE QUÉBEC.

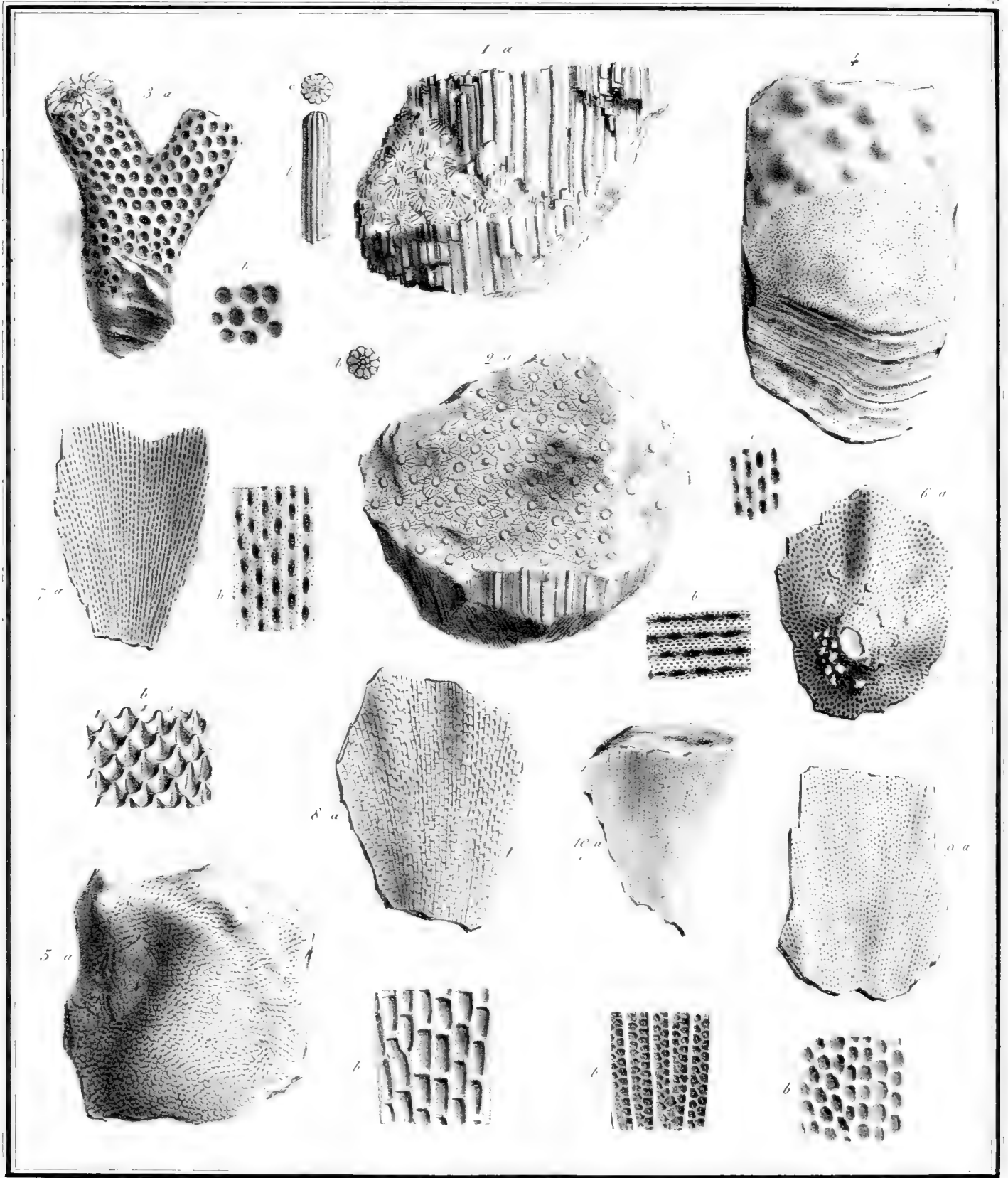


- | | | |
|---|---|---|
| <p>1. <i>Cyathophyllum profundum</i> Michelin .</p> <p>2. <i>Alveolites cervicornis</i> Blainville</p> <p>3. <i>Harmodites Bouchardi</i> Michelin</p> <p>4. <i>Aulopora tubuliformis</i> Goldfuss .</p> | <p>5. <i>Aulopora cucullina</i> Michelin .</p> <p>6. <i>Dendropora explicita</i> _____</p> <p>7. <i>Calamopora suborbicularis</i> _____</p> <p>8. _____ spongioides. Goldfuss</p> | <p>9. <i>Circopora Goldfussi</i> Michelin</p> <p>10. _____ affinis Goldfuss</p> <p>11. <i>Crusopia Boloniensis</i> Michelin</p> |
|---|---|---|



GROUPE DE TRANSITION.

TERRAIN DEVONIEN DES ENVIRONS DE BOULOGNE SUR MER (PAS-DE-CALAIS)



selon Michelin et Van

1	<i>Acroturris</i> <i>anans</i>	Michelin
2	<i>pentagona</i>	
3	<i>Alveolites</i> <i>convexus</i>	Van Blainville

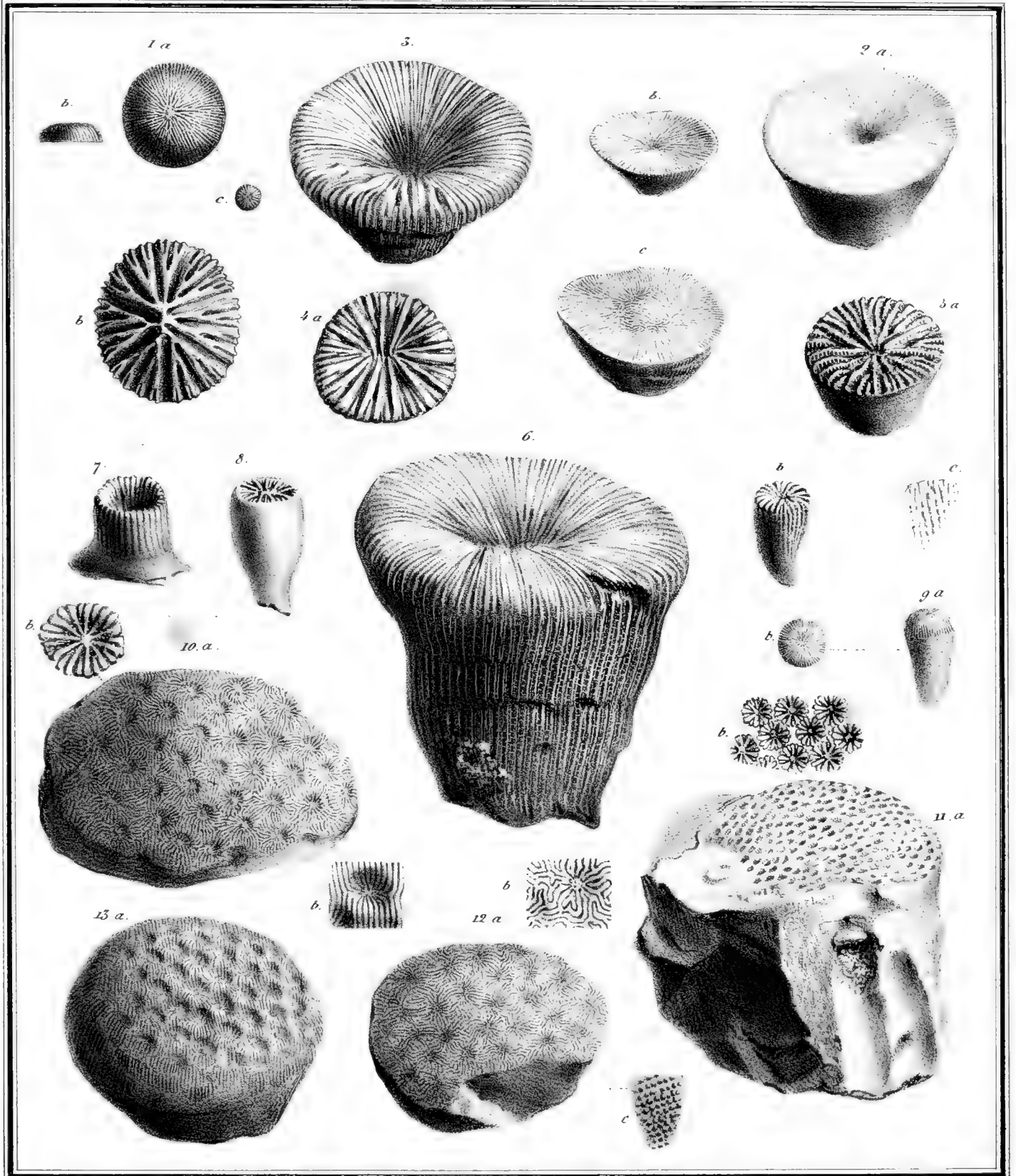
4	<i>Stromatopora</i> <i>concentrica</i>	Goldfuss
5	<i>Calamopora</i> <i>squammosa</i>	Michelin
6	<i>Retepora</i> <i>infundibulatum</i>	Loudale
7	<i>capensis</i>	Michelin

selon Michelin et Van

8	<i>Gorgonia</i> <i>bencharli</i>	Michelin
9	<i>ripasteria</i>	Goldfuss
10	<i>Fenestella</i> <i>vermiculata</i>	Michelin

GROUPE CRÉTACE.

GRÈS VERT DES ENVIRONS DU MANS. (SARTHE)

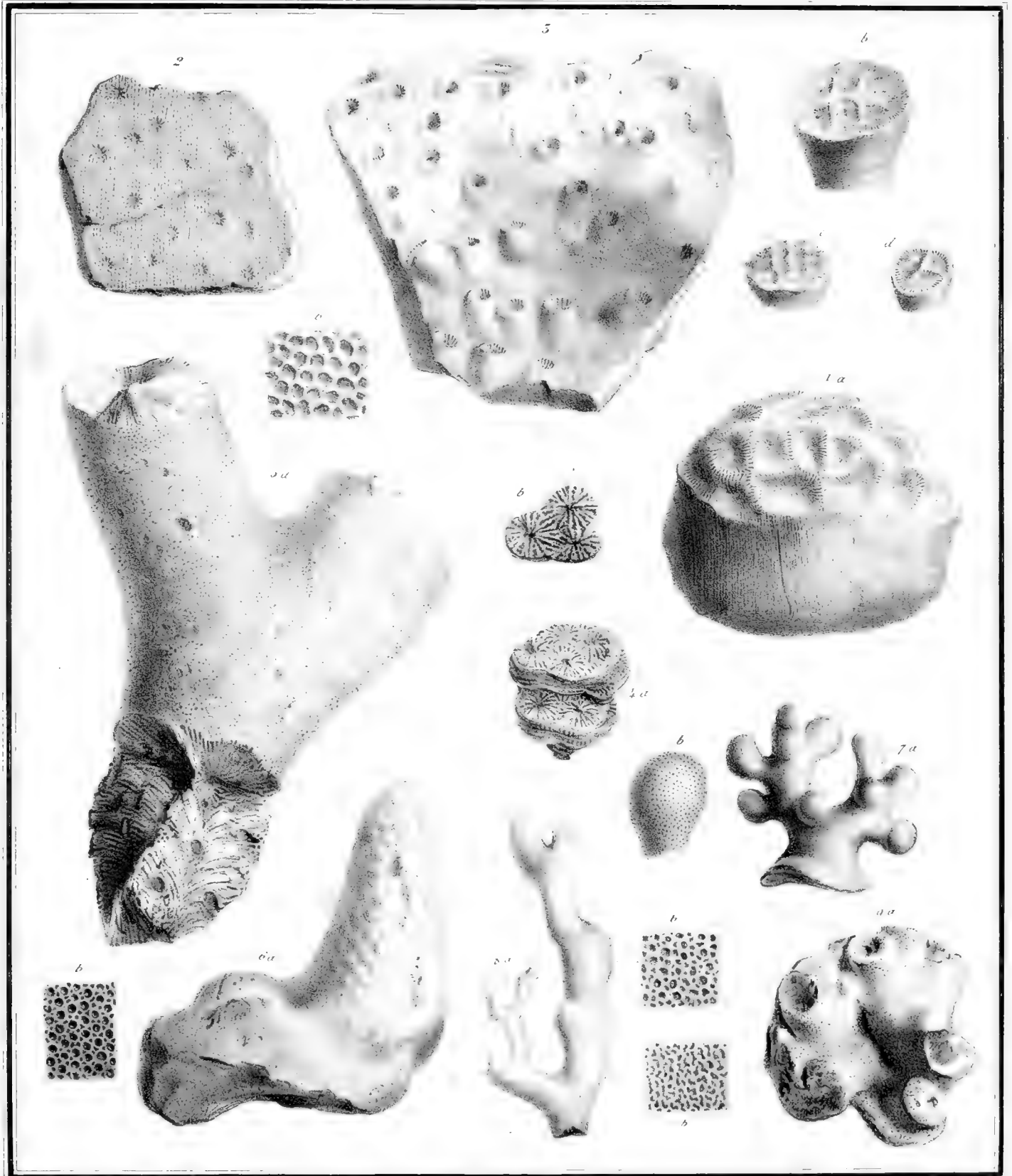


Ludovic Michelin in lan

Tab. 1000

- | | | |
|---|--|--|
| 1. <i>Cyclolites semiglobosa</i> . Michelin . | 5. <i>Anthophyllum sulcatum</i> . Michelin . | 10. <i>Astrea micraxon</i> . Michelin . |
| 2. <i>Anthophyllum patellatum</i> . _____ | 6. _____ <i>dispar</i> _____ | 11. _____ <i>Desportiana</i> . _____ |
| 3. _____ <i>pateriforme</i> . _____ | 7. _____ <i>nanum</i> . _____ | 12. _____ <i>agarioides</i> . Goldfuss . |
| 4. _____ <i>inequale</i> . _____ | 8. <i>Cariophyllia lenormani</i> . _____ | 13. _____ <i>decepiens</i> . Michelin . |
| | 9. _____ <i>striatulata</i> _____ | |

GROUPE CRÉTACÉ.
SPÈS VERT DES ENVIRONS DU L.



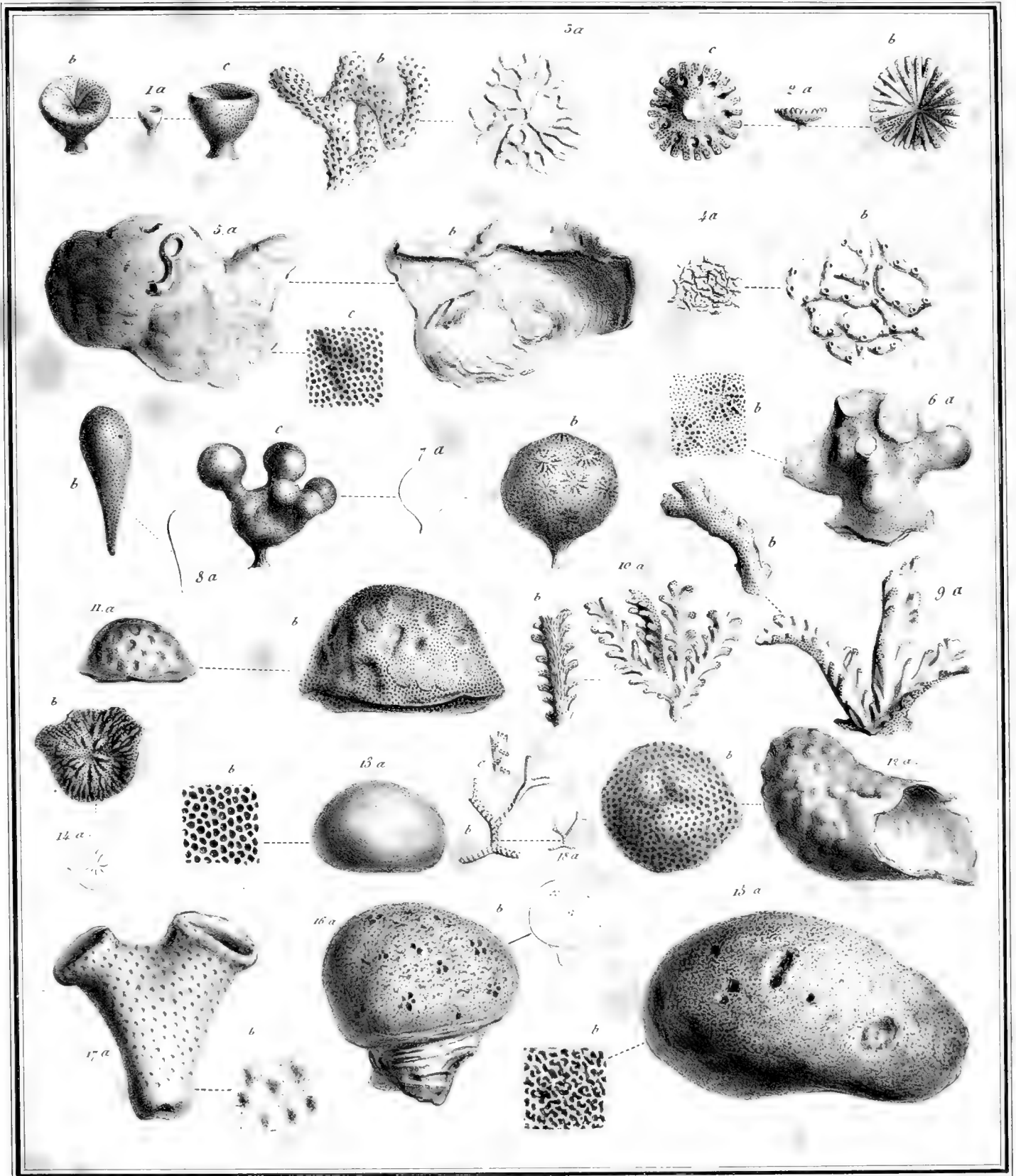
Ludovic Michelin in cap.

- | | | |
|---|---|--|
| <p>1. <i>Meandrina ambigua</i>. Michelin
 2. <i>Agaricia Ludoviciana</i>. _____
 3. <i>Oculina explanata</i>. _____</p> | <p>4. <i>Astrea superposita</i>. Michelin
 5. <i>Chadites ramulosus</i>. _____
 6. _____ lobatus. _____</p> | <p>7. <i>Cerignora truncata</i>. Michelin
 8. <i>Heteropora saracilacea</i>. _____
 9. <i>Spongia multiaquata</i>. _____</p> |
|---|---|--|



GROUPE CRÉTACÉ.

GRES VERT DES ENVIRONS DU MANS (SARTHE).



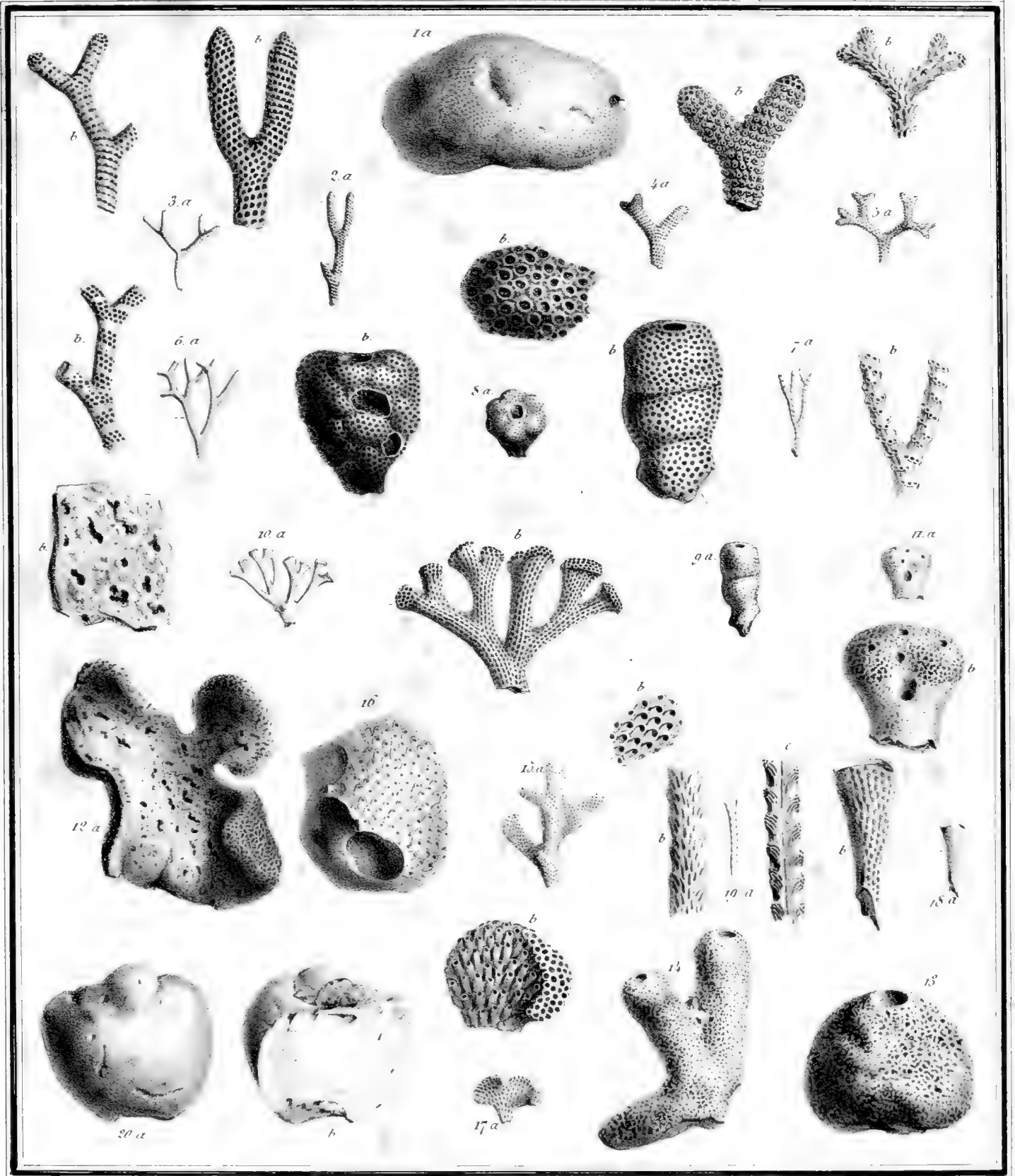
Ludovic Michelin in Lun

1. <i>Pelagia infundibulum</i>	Michelin	7. <i>Ceriopora Huotiana</i>	Michelin	15. <i>Ceriopora avellana</i>	Michelin
2. _____	_____	8. _____	_____	14. <i>Indiopora Cenomana</i>	_____
3. <i>Diastopora ramosa</i>	_____	9. <i>Sidmonca pinnata</i>	Roemer	13. <i>Spongia informis</i>	_____
4. <i>Alecto granulata</i>	M. Edwards	10. _____	_____	16. <i>Lynnorea spherica</i>	_____
5. <i>Ceriopora lechensiformis</i>	Michelin	11. <i>Ceriopora labyrinthica</i>	_____	17. <i>Chenendopora cylindrica</i>	_____
6. _____	_____	12. _____	Roemer	18. <i>Sidmonca disticha</i>	_____

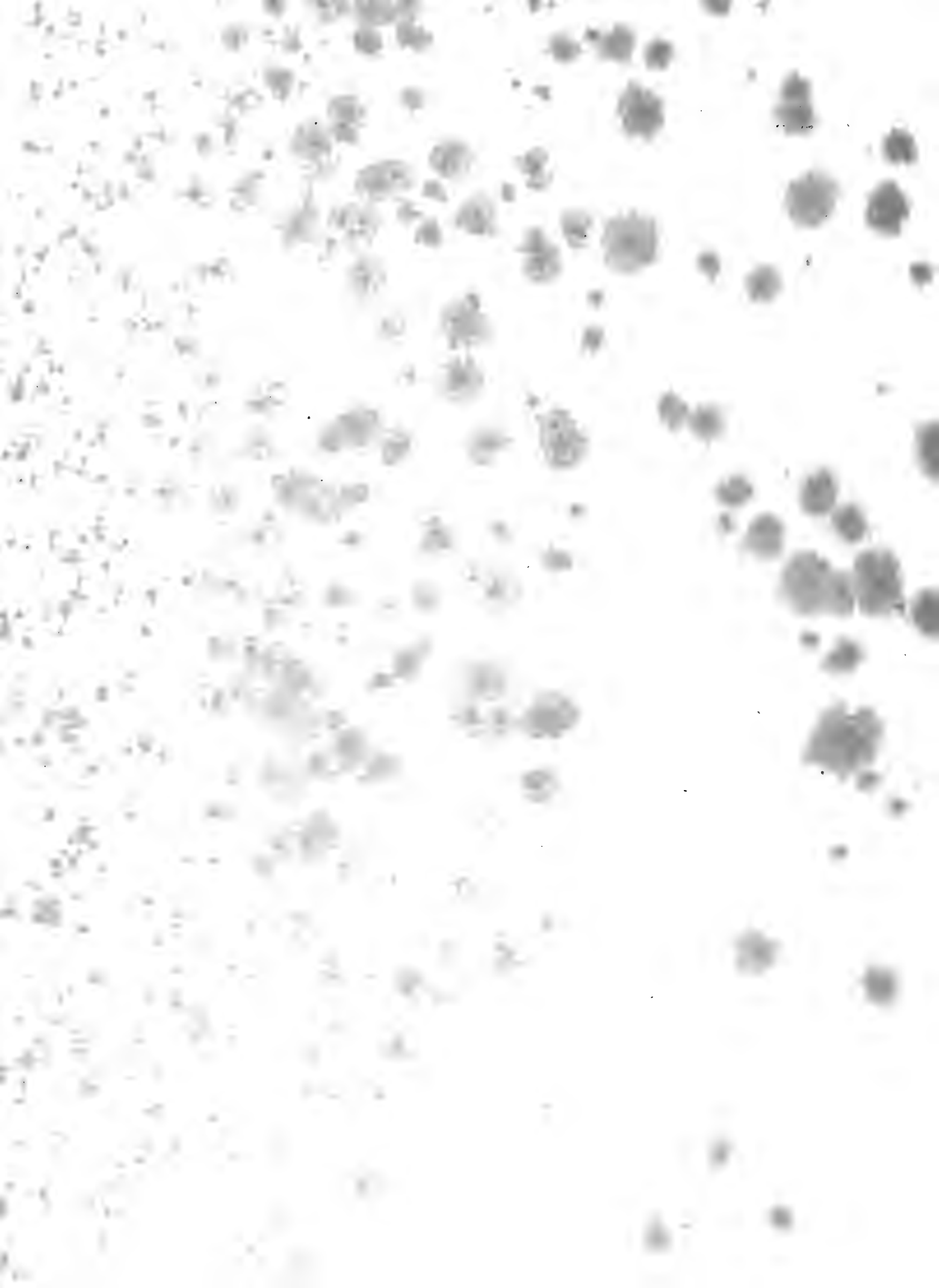


GROUPÉ CRÉTACÉ

PLATEAU DE S. ANTOINE, C. LANG. 1871

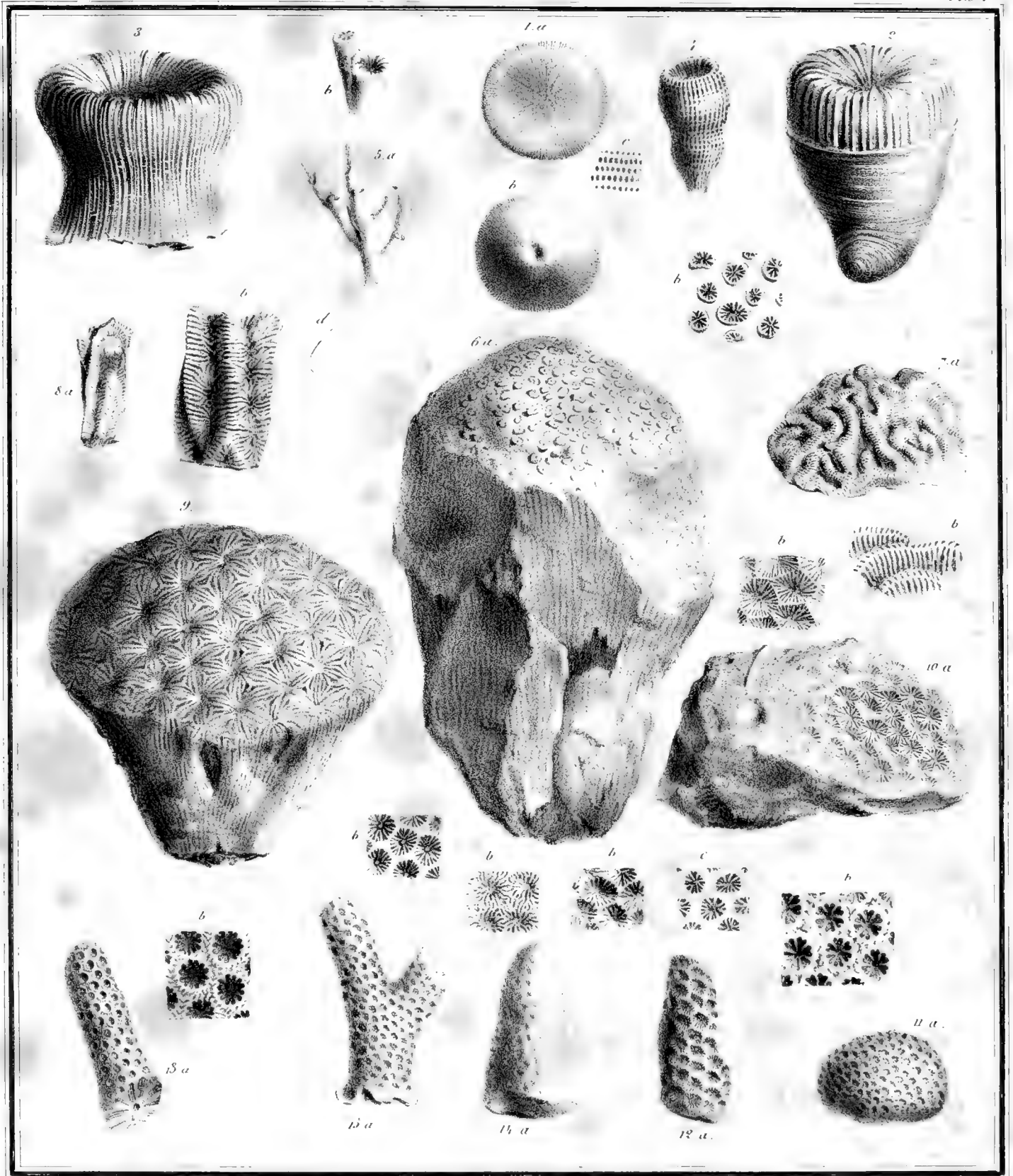


- | | | | | | |
|------------------------------------|-------------|-----------------------------------|-----------|--------------------------------------|-----------|
| 1. <i>Cricopora tuberosa</i> . | Michelin. | 8. <i>Thalamopora viscutosa</i> . | Michelin. | 15. <i>Eschara dicheloma</i> . | Goldfuss. |
| 2. <i>Pustulopora gracilis</i> . | _____ | 9. _____ <i>siphonoides</i> . | _____ | 16. _____ <i>piriformis</i> . | _____ |
| 3. _____ <i>semiclausula</i> . | _____ | 10. <i>Corymbopora Meunardi</i> . | _____ | 17. <i>Diastopora pavonina</i> . | Michelin. |
| 4. _____ <i>pustulosa</i> . | Blainville. | 11. <i>Spongia tubulifera</i> . | _____ | 18. _____ <i>escharoides</i> . | _____ |
| 5. _____ <i>echinata</i> . | Doerner. | 12. _____ <i>Trigaris</i> . | _____ | 19. <i>Moronea tetragona</i> . | _____ |
| 6. _____ <i>pseudospiralis</i> . | Michelin. | 13. <i>Siphna fragaroides</i> . | _____ | 20. <i>Mullipora lycoperidites</i> . | _____ |
| 7. <i>Cricopora verticillata</i> . | _____ | 14. _____ <i>micropora</i> . | Doerner. | | |



GROUPE OOLITHIQUE.

FORÊT-MARÉE DE LUC, RANVILLE 8^a (CALVADOS)



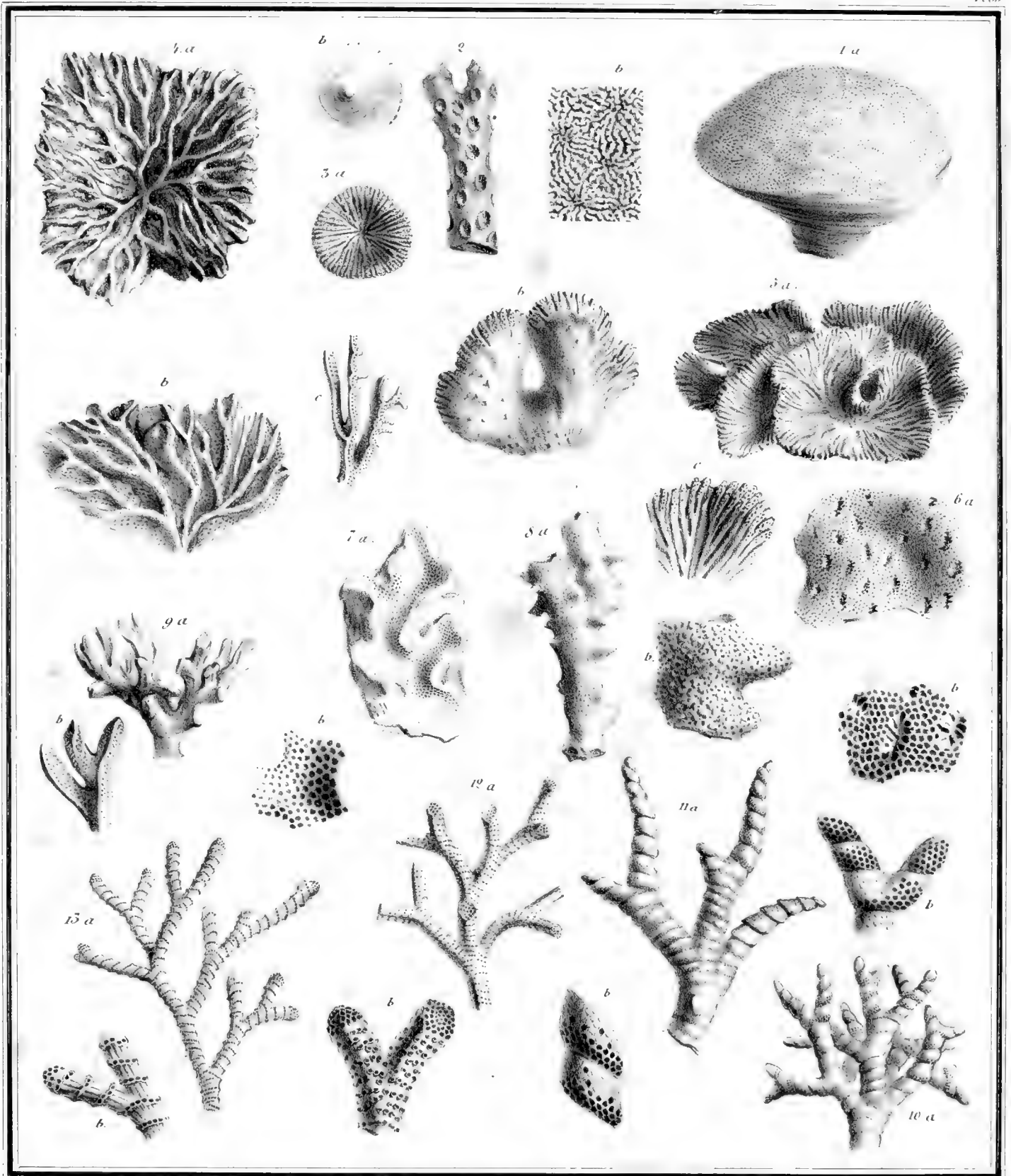
Échelle de Michelini en 1/20

Lib. de Thiers, Paris

1. <i>Fungia orbiculata</i> .	Lamouroux	6. <i>Lithodendron Euxinum</i> .	Michelini	11. <i>Astrea bucciformis</i>	Michelini
2. <i>Montlivaltia caryophyllata</i> .	_____	7. <i>Meandrina venustata</i> .	_____	12. _____	_____
3. <i>Anthophyllum truncatum</i> .	Michelini	8. <i>Agaricus ramulosa</i> .	_____	13. <i>Pocillopora sertifera</i>	_____
4. <i>Caryophyllia retorta</i> .	_____	9. <i>Astrea Lamourouxii</i>	_____	14. <i>Astrea Calomensis</i> .	_____
5. <i>Ocalina gemmata</i> .	_____	10. _____	Lamouroux	15. _____	Defrance



GROUPE OOLITHIQUE
 FOREST-MARBLE DE LUC, RANVILLE 8^a (CALVADOS).



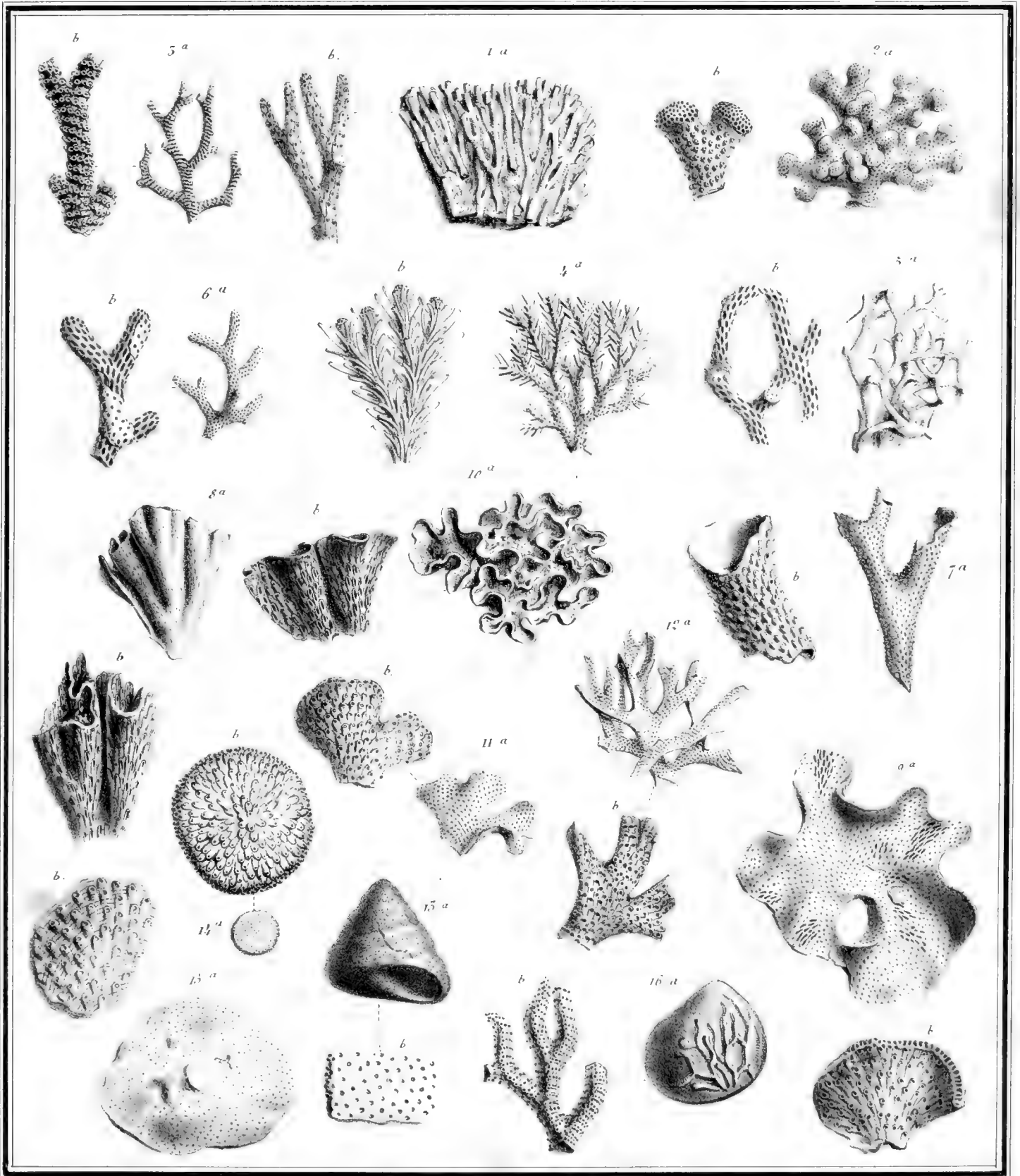
Échelle: Michelén en lan

Éch. de Luc, Ranville

1. <i>Alveopora</i> <i>Microsolena</i> .	Michelén.	6. <i>Thacona</i> <i>dalthrata</i> .	Lamouroux.	11. <i>Terebellaria</i> <i>Antelope</i> .	Lamouroux.
2. <i>Oculina</i> <i>Neustriaca</i> .	Michelén.	7. <i>Tilesia</i> <i>contorta</i> .	_____.	12. <i>Cricopora</i> <i>tetragona</i> .	Blainville.
3. <i>Plagia</i> <i>dypada</i> .	Lamouroux.	8. <i>Chrysiora</i> <i>spinosa</i> .	Michelén.	13. _____ <i>elegans</i> .	_____.
4. <i>Apsendesia</i> <i>dianthus</i> .	Blainville.	9. _____ <i>damacernis</i> .	Lamouroux.		
5. _____ <i>crystalu</i> .	Lamouroux.	10. <i>Terebellaria</i> <i>rumosissima</i> .	_____.		

GROUPE OOLITHIQUE.

FOREST MARBLE DE LUC, RANVILLE &^a (CAIENNE)



vic. Michelin in Lap.

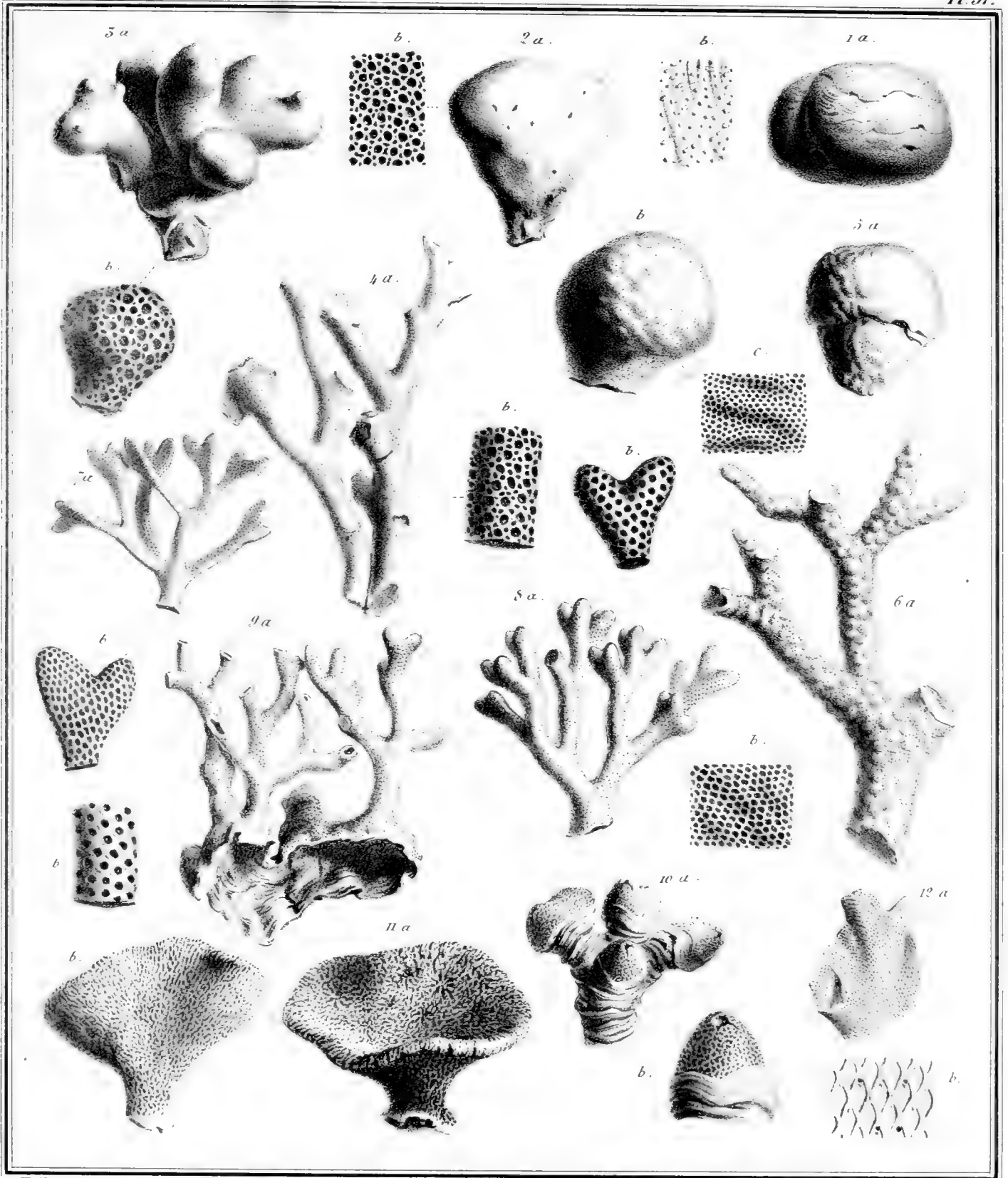
Lith. de Thierry Frères

1.	<i>Cricopora</i>	<i>capitata</i>	Blainville.	7.	<i>Diastopora</i>	<i>Lamoureauxi</i>	M. Edwards.	15.	<i>Diastopora</i>	<i>diluviana</i>	M. Edwards.
2.	—	<i>abbreviata</i>	—	8.	—	<i>foliacea</i>	Lamoureaux.	14.	—	<i>verrucosa</i>	—
3.	—	<i>verticillata</i>	Michelini.	9.	—	<i>Eudesiana</i>	M. Edwards.	13.	—	<i>undulata</i>	Michelini.
4.	<i>Entalophora</i>	<i>cellarioides</i>	Lamoureaux.	10.	—	<i>Michelinii</i>	—	16.	—	<i>triquetra</i>	Lamoureaux.
5.	<i>Intricaria</i>	<i>bayocensis</i>	Defrance.	11.	—	<i>lamellosa</i>	Michelini.				
6.	<i>Cricopora</i>	<i>Tessonis</i>	Michelini.	12.	—	<i>cervicornis</i>	—				



GROUPE OOLITHIQUE.

FOREST-MARBLE DE LUC, RANVILLE, &^a (CALVADOS)



Eudovic Michelin in lap.

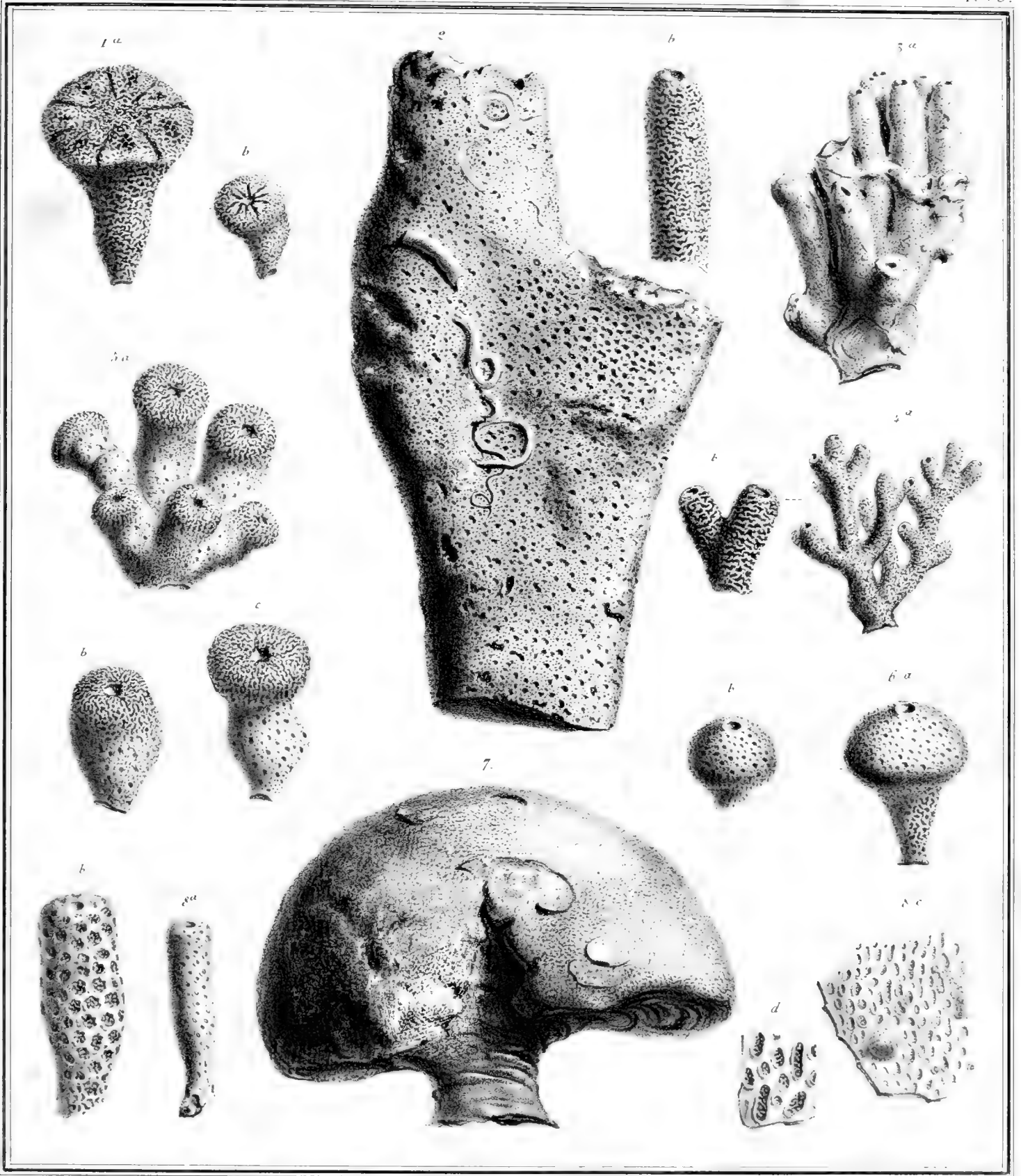
Léon de Thierry f^{es}

- | | | |
|--|--------------------------------------|---|
| 1. <i>Diastopora microstoma</i> Michelin | 5. <i>Ceriopora globosa</i> Michelin | 9. <i>Ceriopora corymbosa</i> Michelin |
| 2. <i>Heteropora ficulina</i> _____ | 6. _____ <i>pustulosa</i> _____ | 10. <i>Lymnorea mamillosa</i> Lamouroux |
| 3. _____ <i>pyriformis</i> _____ | 7. _____ <i>dumetosa</i> _____ | 11. <i>Spongia hebellicoides</i> _____ |
| 4. _____ <i>ramosa</i> _____ | 8. _____ <i>confusa</i> _____ | 12. <i>Eschara Ranvilliana</i> Michelin |



GROUPE OOLITHIQUE.

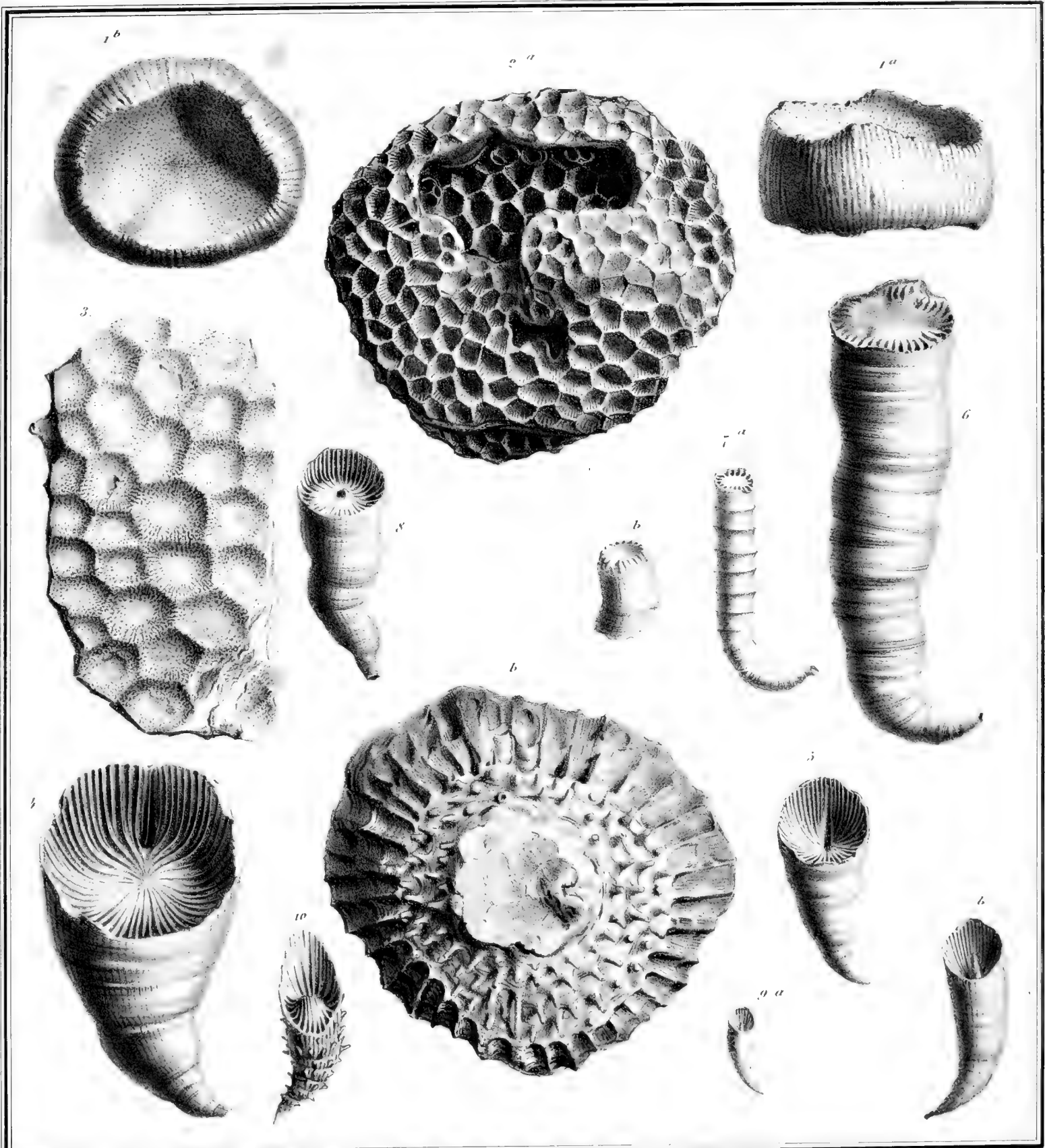
E. S. MARRAS DE L'OC. BASSILEE 1858.



1. <i>Spongia</i>	<i>umbellata</i> .	Michelin .	4. <i>Scyphia</i>	<i>pistilloides</i> .	Michelin .	7. <i>Lymnorea</i>	<i>gigantea</i> .	Michelin
2. ———	<i>macrocaulis</i>	—————	5. <i>Siphonia</i>	<i>lagenaria</i>	—————	8. <i>Endea</i>	<i>cribraria</i> .	—————
3. <i>Scyphia</i>	<i>cymosa</i> .	—————	6. ———	<i>lycoperlioides</i>	—————			



GROUPE DE TRANSITION.
TERRAIN CARBONIFERE DE TOURNAI (BELGIQUE)



Lith. Michelin in text

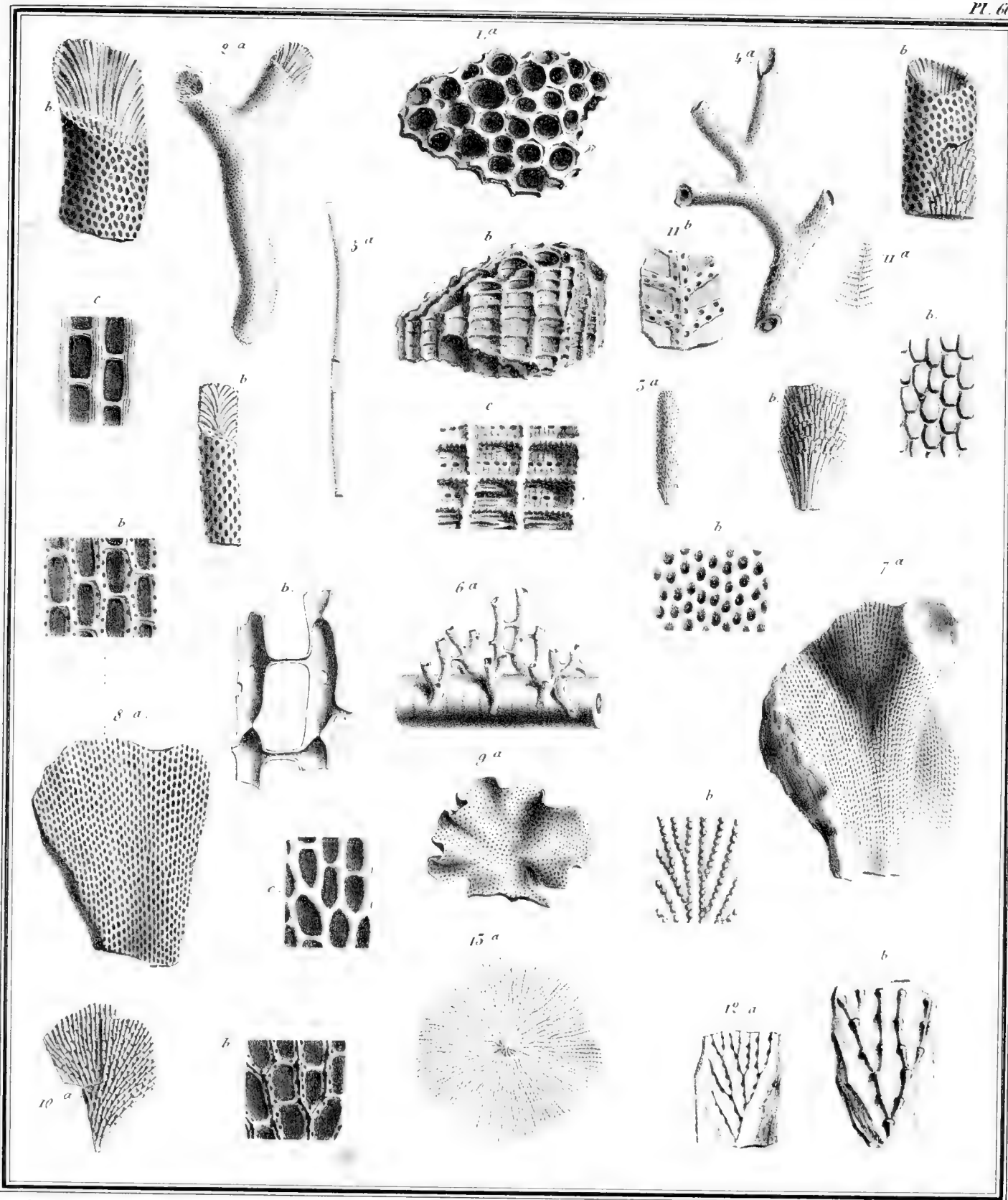
Lith. Thierry Frères

<p>1 <i>Mortieria vertebralis</i>. Heninck.</p> <p>2 <i>Michelinia favosa</i>. _____</p> <p>3 _____ <i>compressa</i>. Michelin.</p> <p>4 <i>Caninia patula</i>. _____</p>	<p>5 <i>Caninia cornuopora</i>. Michelin.</p> <p>6 <i>Amploplexus coralloides</i>. Sowerby.</p> <p>7 _____ <i>serpuloides</i>. Heninck.</p> <p>8 <i>Cyathaxonia tortuosa</i>. Michelin.</p>	<p>9 <i>Cyathaxonia cornu</i>. Michelin.</p> <p>10 _____ <i>spinosa</i>. _____</p>
---	---	--



GROUPE DE TRANSITION

TERRAIN CARBONIFERE DE TOURNAY (BELGIQUE)



Leschke & Michelien del.

Ed. Mouton sculp.

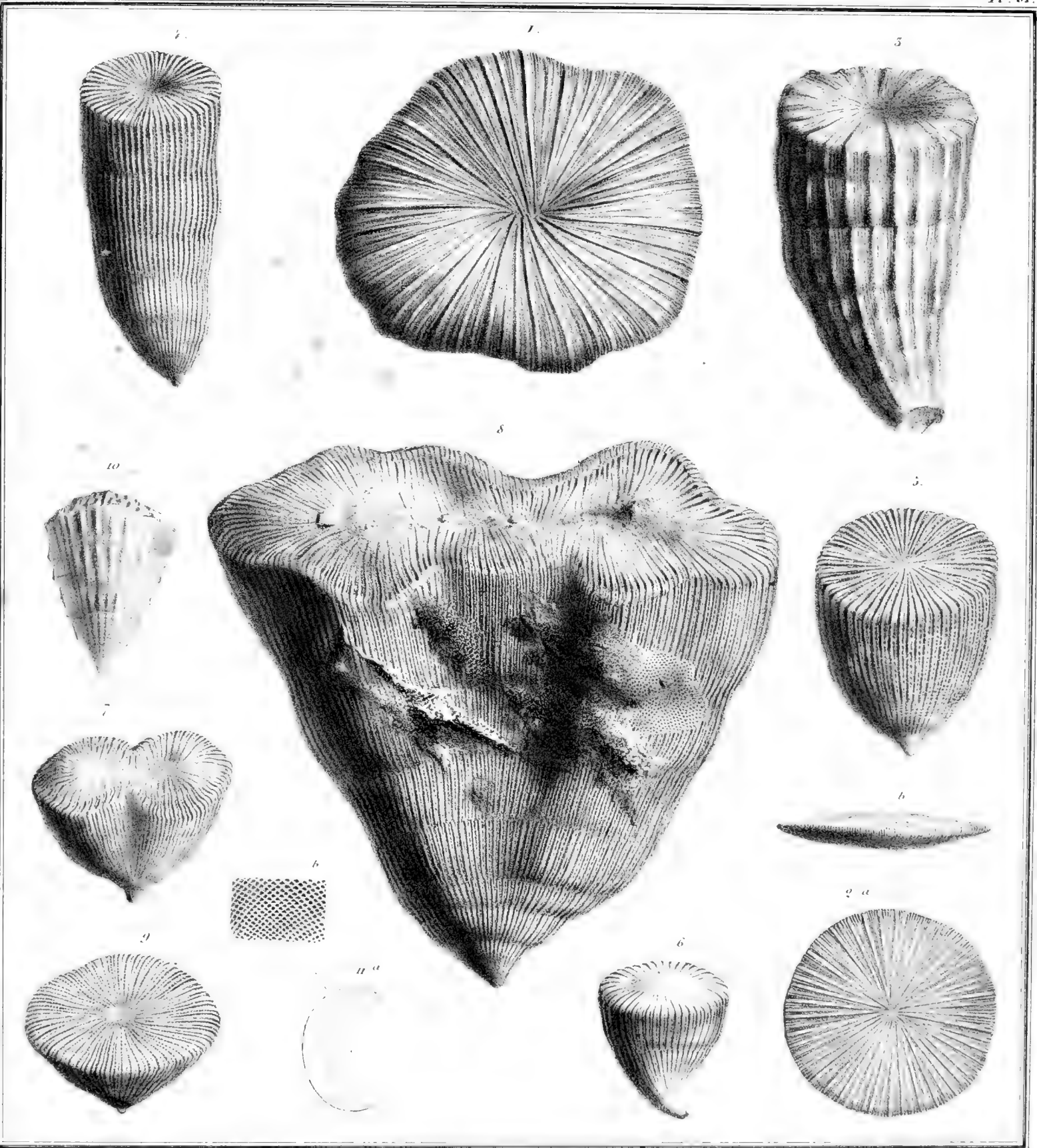
- 1. *Favosites cylindrica* . Michelien .
- 2. *Alveolites tumida* . _____
- 3. _____ *scabra* . _____
- 4. _____ *irregularis* . Honinek .
- 5. _____ *funiculata* . Michelien .

- 6. *Harmodites catenatus* . Honinek .
- 7. *Retepora retiformis* . Michelien .
- 8. _____ *membranacea* . Phillips .
- 9. *Discopora antiqua* . Michelien .
- 10. *Gorgonia undulata* . _____

- 11. *Gorgonia uniceps* . Schlotheim .
- 12. *Leisideia tubiformis* . Michelien .
- 13. _____ *undulata* . _____



GROUPE SUPRACRÉTACÉ .
 TERRAIN NUMMULITIQUE DE LA PALAREA, JARRIER PRÈS NICE

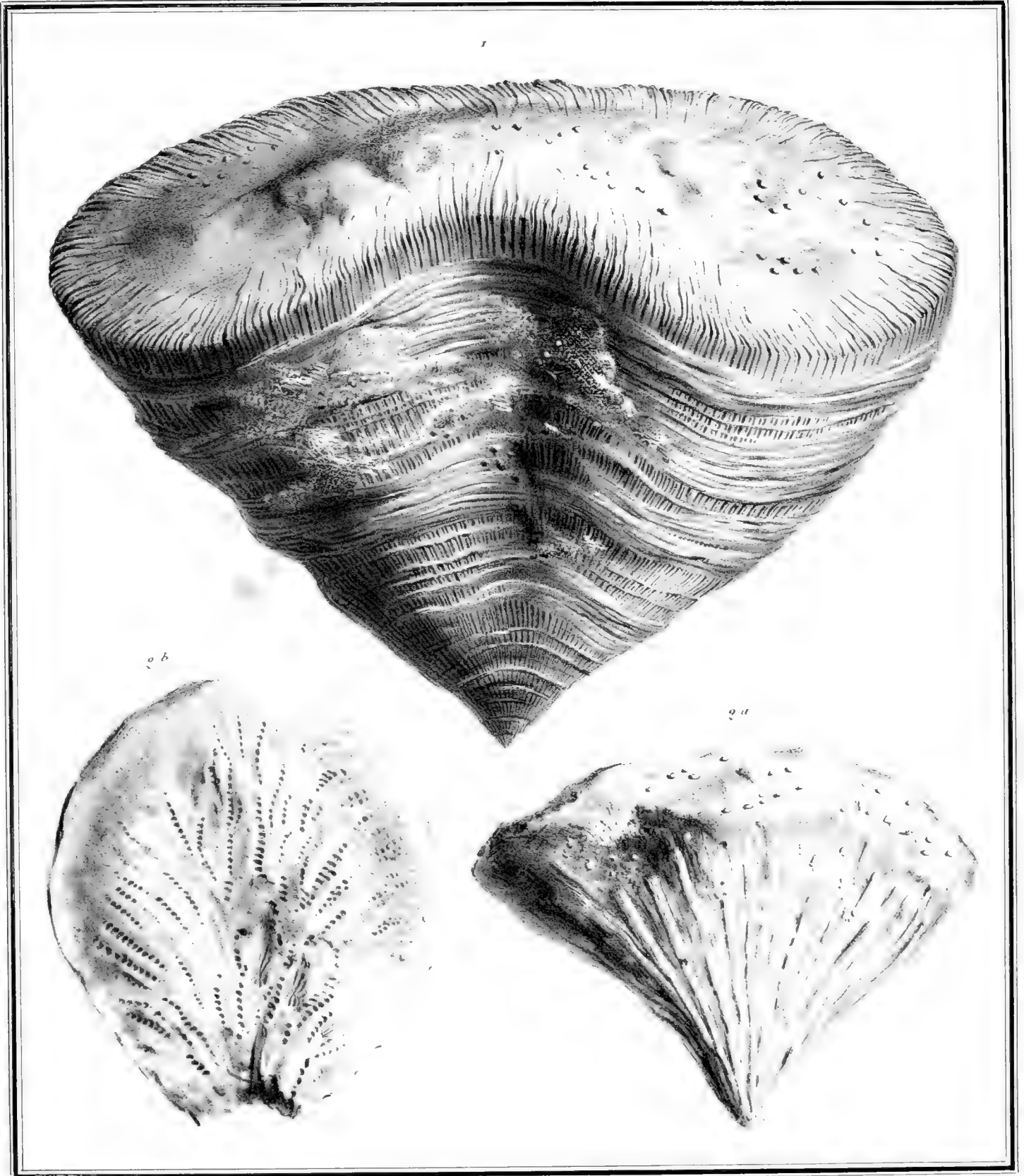


1. <i>Fungia</i>	<i>Niceensis</i>	Michelin	5. <i>Turbinolia</i>	<i>hemispherica</i>	V ^{las} Michelin	9. <i>Turbinolia</i>	<i>cycloloboides</i>	Heller
2. <i>Cyclolites</i>	<i>Borsonis</i>	V ^{las}	6. _____	<i>Alpina</i>	_____	10. <i>Flabellum</i>	<i>costatum</i>	_____
3. <i>Turbinolia</i>	<i>axarata</i>	_____	7. _____	<i>bilobata</i>	_____	11. <i>Orbitolites</i>	<i>elliptica</i>	Michelin
4. _____	<i>corniculatum</i>	_____	8. _____	<i>multisinuosa</i>	_____			



GROUPE SUPRACÉTACÉ.

TERRAIN NUMMULITIQUE DE LA PALAREA, JARRIER PRES NICE.



Delarue in lan

1 *Turbinolia bilobata* N^o Maxima Michelin | 2 *Stylina Persiana* Michelin



GROUPE SUPRACRÉTACÉ.

TERRAIN NUMMULITIQUE DE LA PALAREA, JARRIER PRÈS NICE.

17. 65.

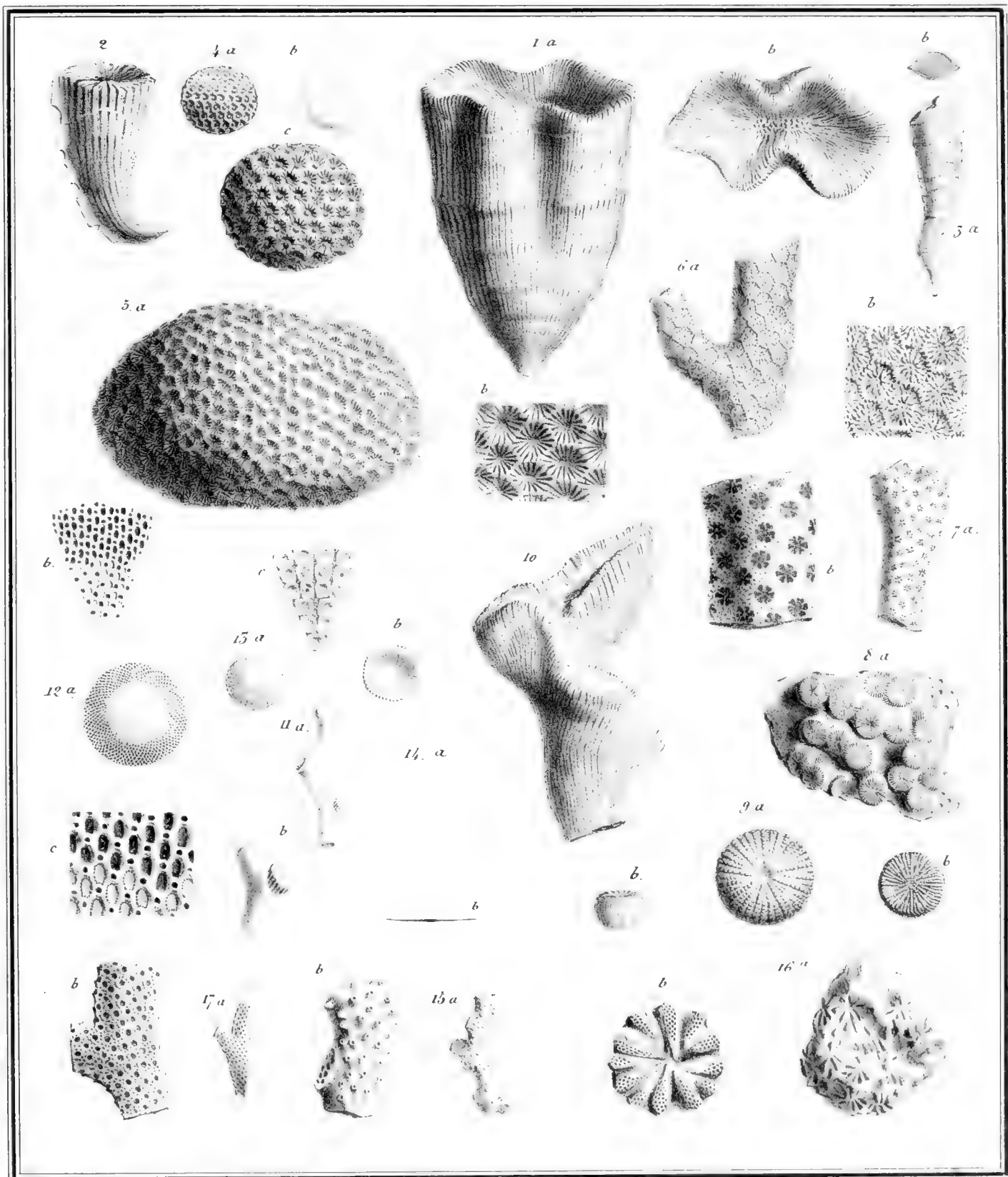


Tableau n. 65.

Tableau n. 65.

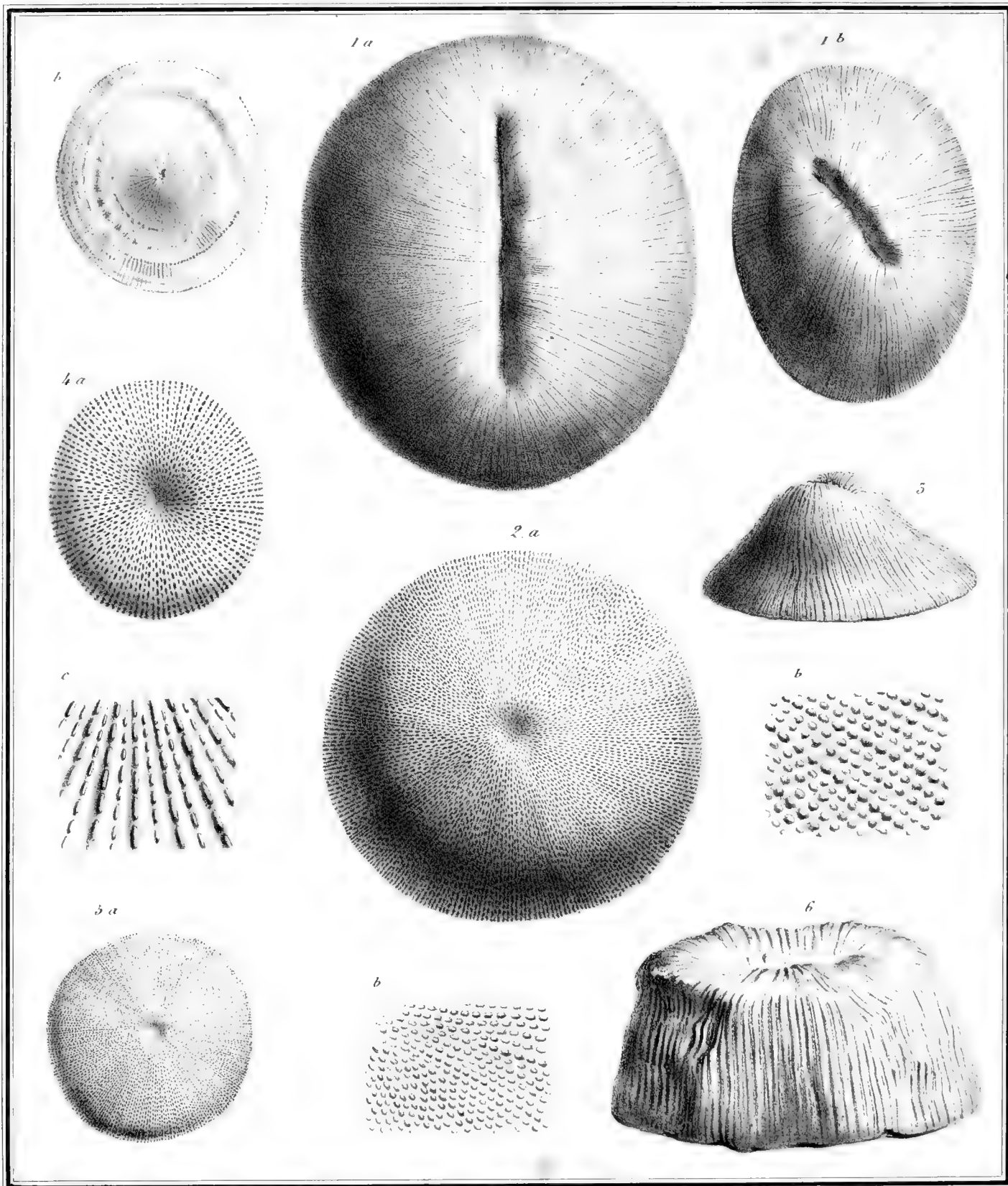
1. <i>Turbinolia sinuosa</i> . Al. Braconieri	7. <i>Astrea distans</i> . Leymerie	15. <i>Lunulites punctatus</i> . Leymerie
2. <i>Flabellum Pyrenacum</i> . Michelin	8. ————— <i>brevissima</i> . Deshayes	14. <i>Orbitolites Pralli</i> . Michelin
3. ————— <i>vaginule</i> . —————	9. <i>Anthophyllum Braunii</i> . Michelin	13. <i>Diasopora Thorelli</i> . —————
4. <i>Astrea nimisma</i> . Desfrance	10. <i>Lobophyllia Michelianiana</i> . Leymerie	16. <i>Lichenopora conjuncta</i> . —————
5. ————— <i>Caillandi</i> . Michelin	11. <i>Oculina incerta</i> . —————	17. <i>Eschara Leymeriana</i> . —————
6. <i>Alveopora elegans</i> . —————	12. <i>Lunulites Vandenheckei</i> . —————	



GROUPE CRÉTACÉ

CRAIE A HIPPURITES DES CORBIÈRES, DES MARTIGUES, DE MAZAUGUES &^a

Pl. 64.



Delarue in lap.

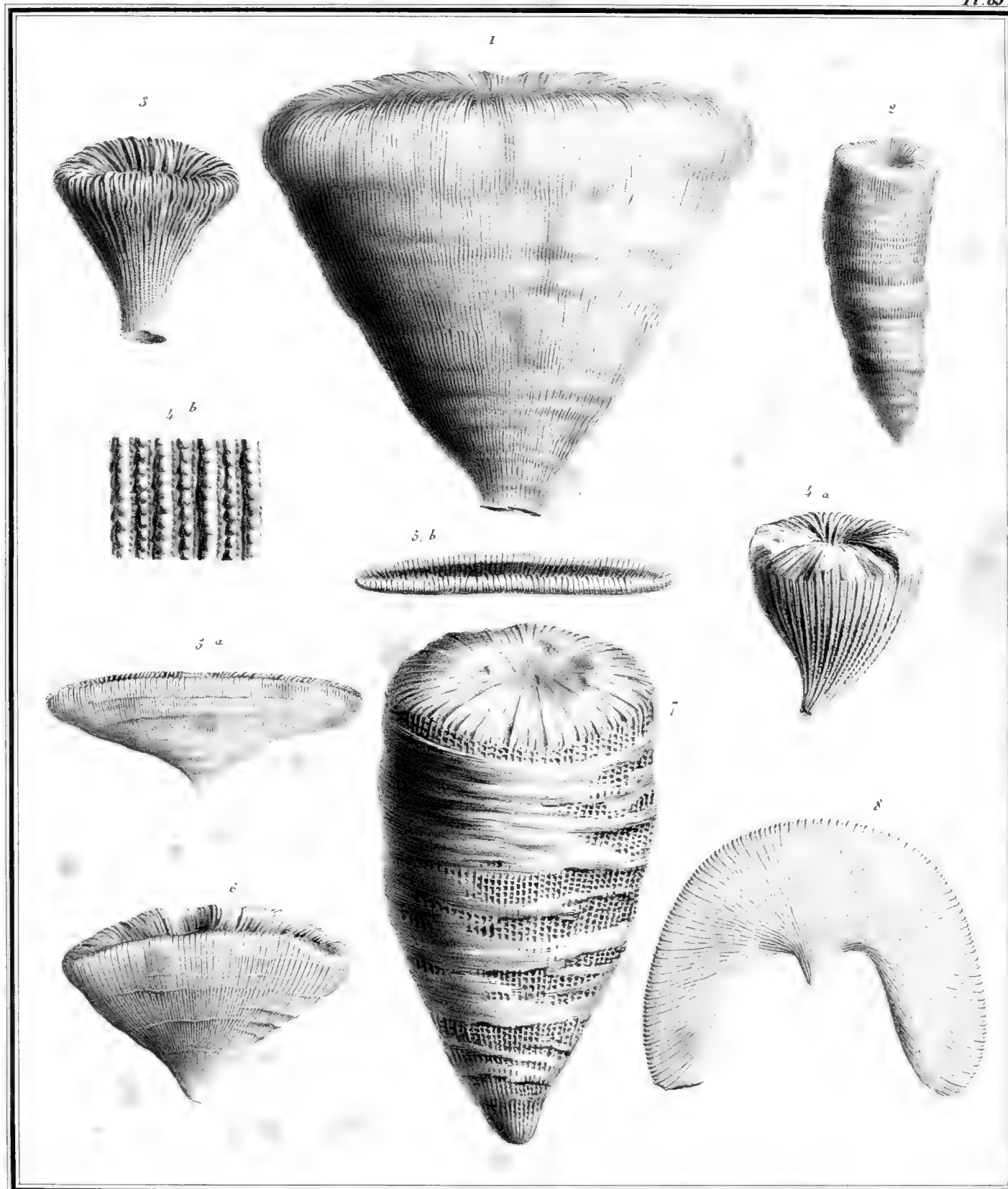
Lib. Thierrières

1	<i>Cyclolites elliptica</i>	Lamarck		5	<i>Cyclolites undulata</i>	Goldfuss		5	<i>Cyclolites Corbieriana</i>	Michelin
2	<i>Cyclolites hemispherica</i>	Blainvillè		4	<i>Cyclolites Haveriana</i>	Michelin		6	<i>Cyclolites rugosa</i>	



GROUPE CRÉTACÉ.

CRAIE À HIPPURITES DES CORBIÈRES, DES MARTIGUES, DE MAZAUGUES &^a



Delarue in lap.

Lith. Thierry Frères.

1 *Turbinolia Boissyana*. Michelin .
 2 _____ *vicarius* _____
 3 _____ *patula* . _____

4 *Turbinolia rudis* ? Michelin
 5 _____ *alata* . _____
 6. _____ *complanata* . Goldfuss

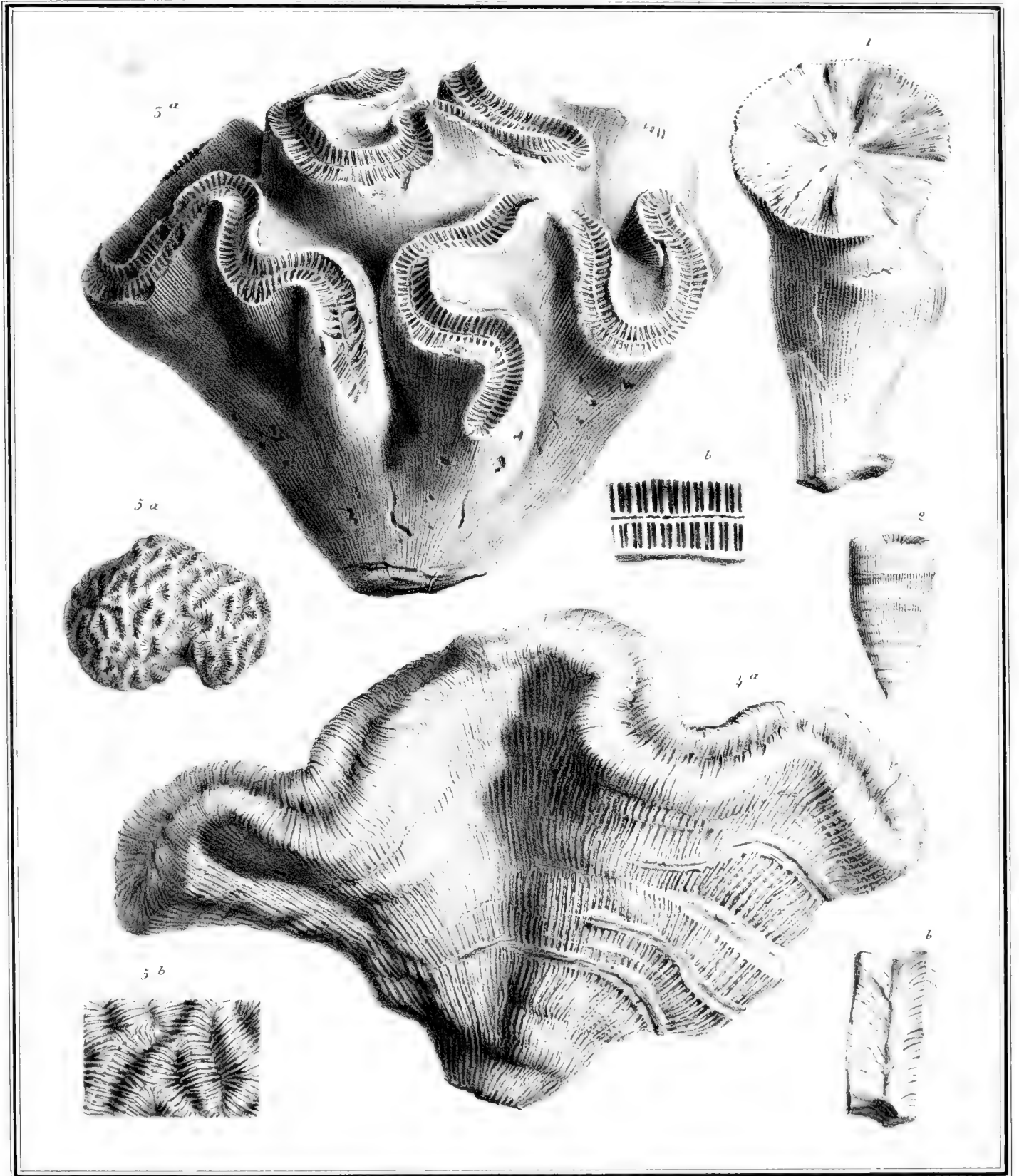
7 *Turbinolia hippuritiformis* Michelin .
 8 *Diplectenium lunatum* . _____



GROUPE CRÉTACÉ

CRAIE À HIPPURITES DES CORBIÈRES, DES MARTIGUES, DE MAZAUGUES &c.

Pl. 66.

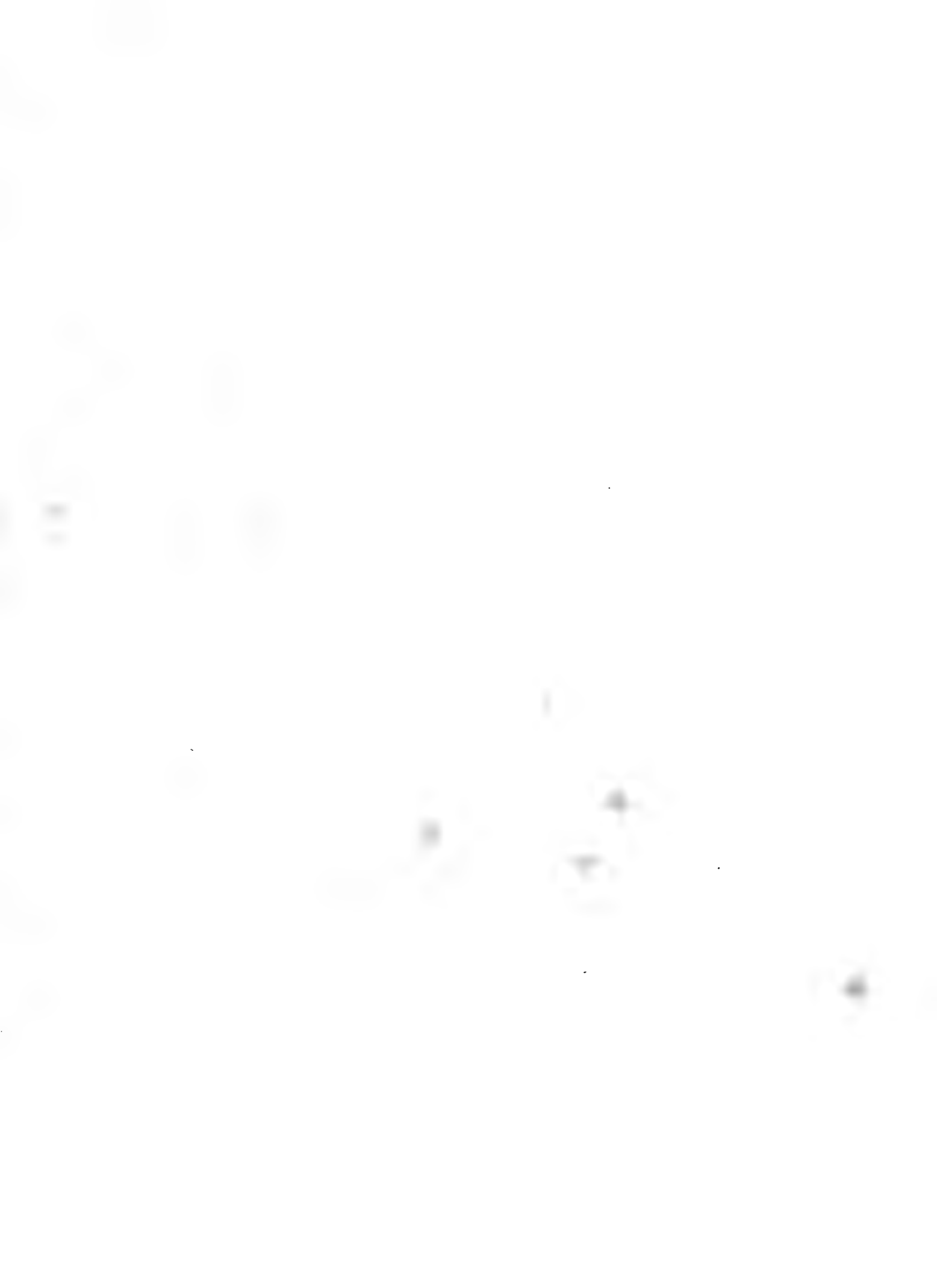


Delarue sculp.

Lib. de Thierry f. 66

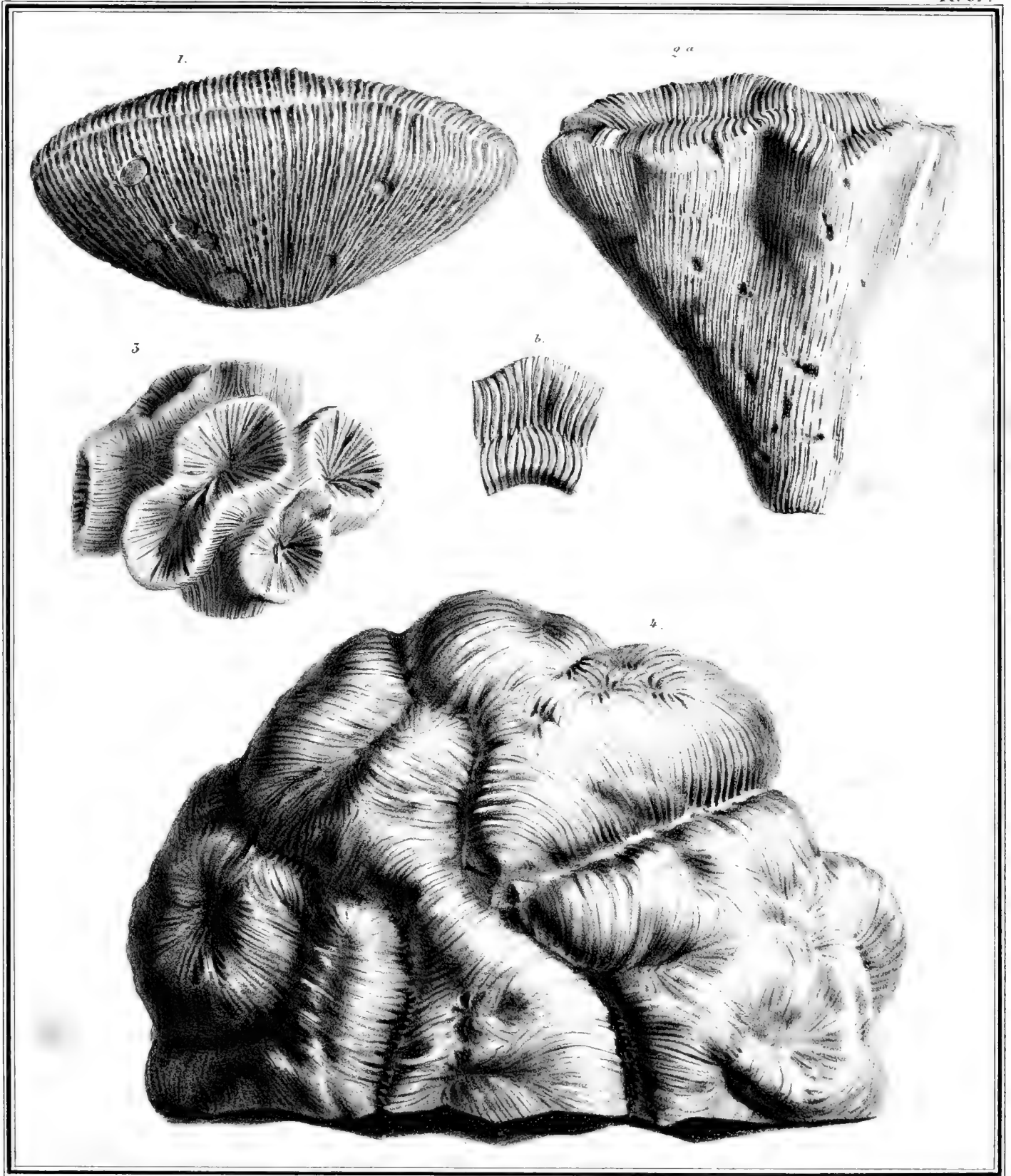
- | | | |
|-----------------------|---------------------|-----------|
| 1. <i>Turbinella</i> | <i>cernua</i> | Goldfuss. |
| 2. ——— | <i>cuneolus</i> | Michelin |
| 3. <i>Lobophyllia</i> | <i>labyrinthica</i> | ————— |

- | | | |
|-----------------------|-------------------|----------|
| 4. <i>Lobophyllia</i> | <i>Martiniana</i> | Michelin |
| 5. <i>Meandrina</i> | <i>tendilla</i> | Goldfuss |



GROUPE CRÉTACÉ

CRAIE À HIPPURITES DES CORBIÈRES, DES MARTIGUES, DE MAZAUGUES &c



Delarue sculp.

Lith de Thierry Frères

1 *Turbinolia cymbula*. Michelin
 2 *Lobophyllia occitania*. ———

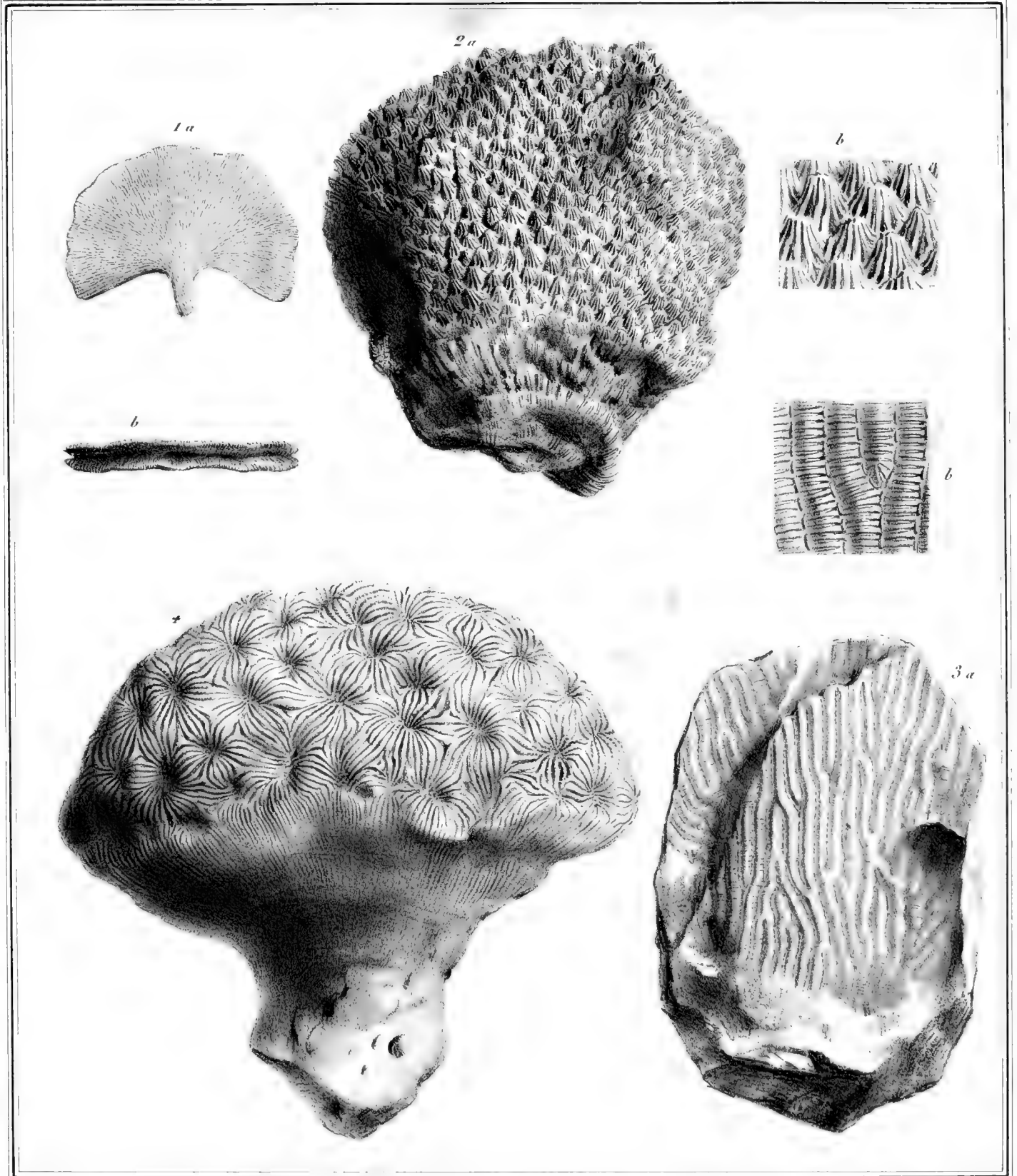
3. *Lobophyllia lobata*. Blainville
 4. *Meandrina macroreina*. Michelin



GROUPE CRÉTACÉ

CRAIE A HIPPURITES DES CORBIÈRES, DES MARTIGUES, DE MAZAUGUES, &^a

Pl 68.



Delarue in lap.

Imp Thierry freres

1. *Diploctenium Matheronis*. Michelin.
2. *Monticularia Styriana*. —————

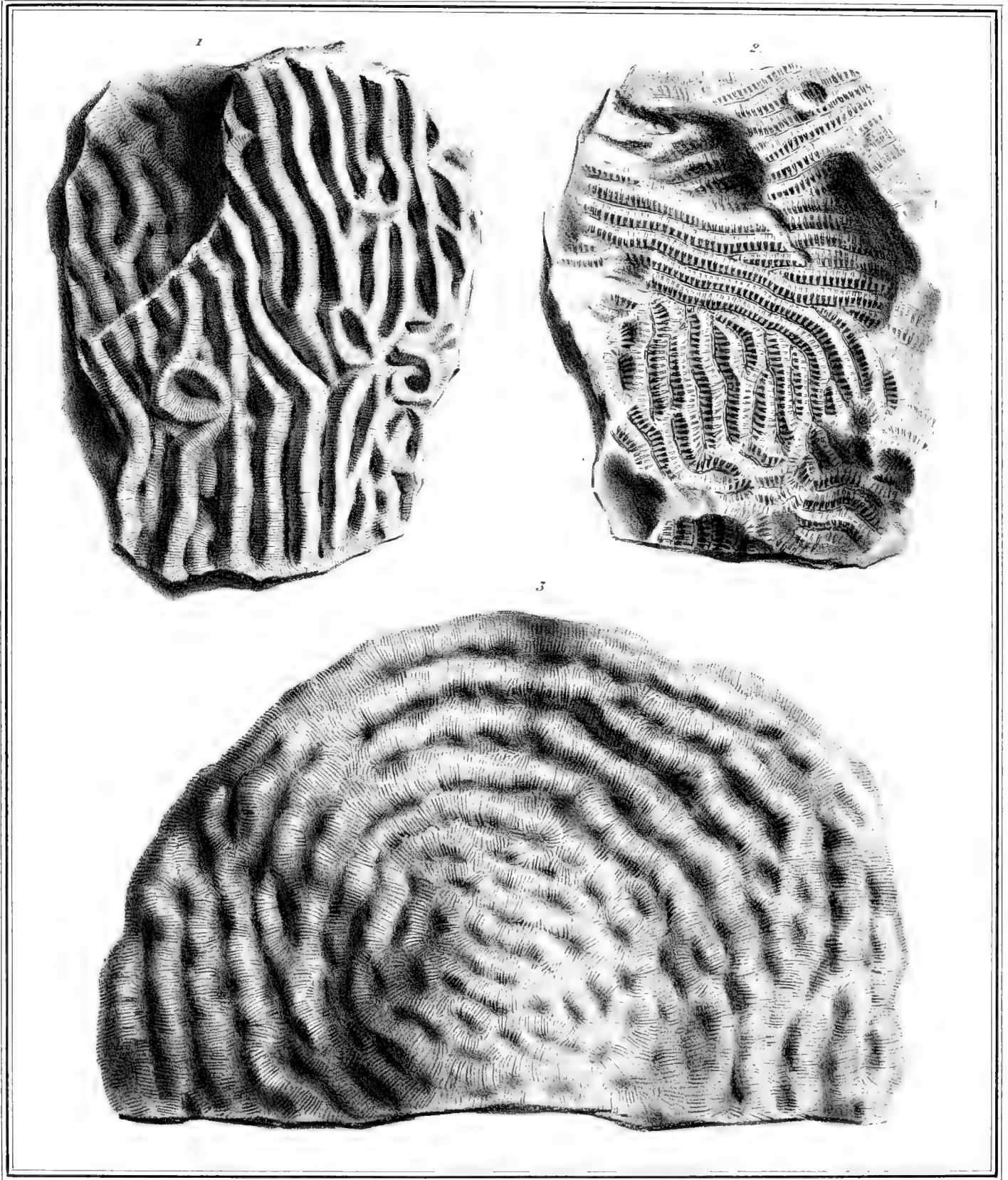
3. *Meandrina radiata*. Michelin.
4. *Astrea Firmasiana*. —————



GROUPE CRÉTACÉ

CRAIE A HIPPURITES DES CORBIÈRES, DES MARTIGUES, DE MAZAUGUES & ^a

Pl. 69.



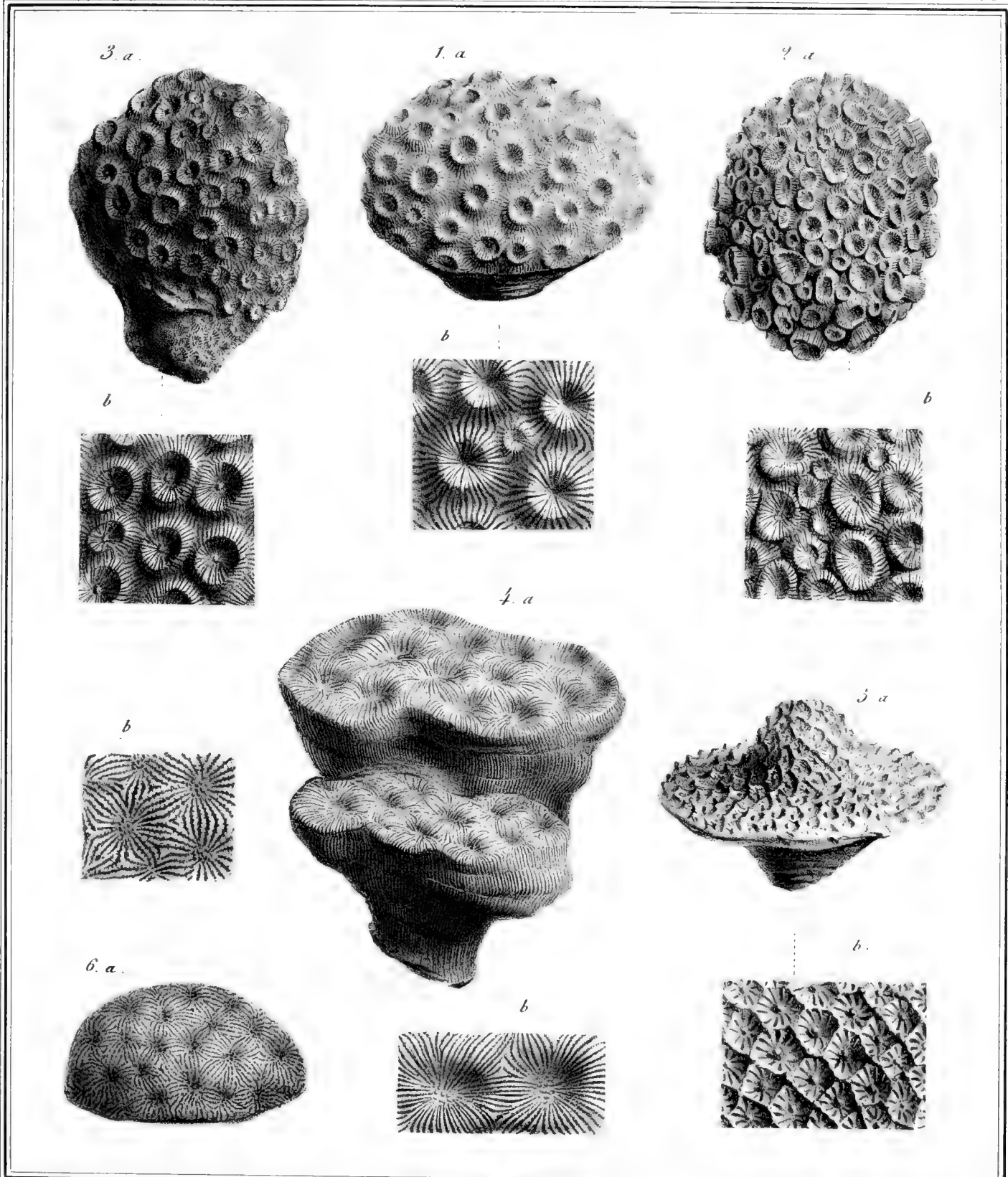
Delarue in lan.

lib. de Mus. Paris

1. *Meandrina Alaciana* Michelin. || 2. *Meandrina Pyrenaica* Michelin. || 3. *Agaricia circularis* Michelin.

GROUPE CRÉTACÉ

CRAIE A HIPPURITES DES CORBIÈRES DES MONTAGNES NORMANDES



Delarue in lap

Lith. Thury freres

- 1. *Astraea pediculata.*
- 2. ——— *compressa.*
- 3. ——— *Dumasiiana.*

Deshayes
 Michelin

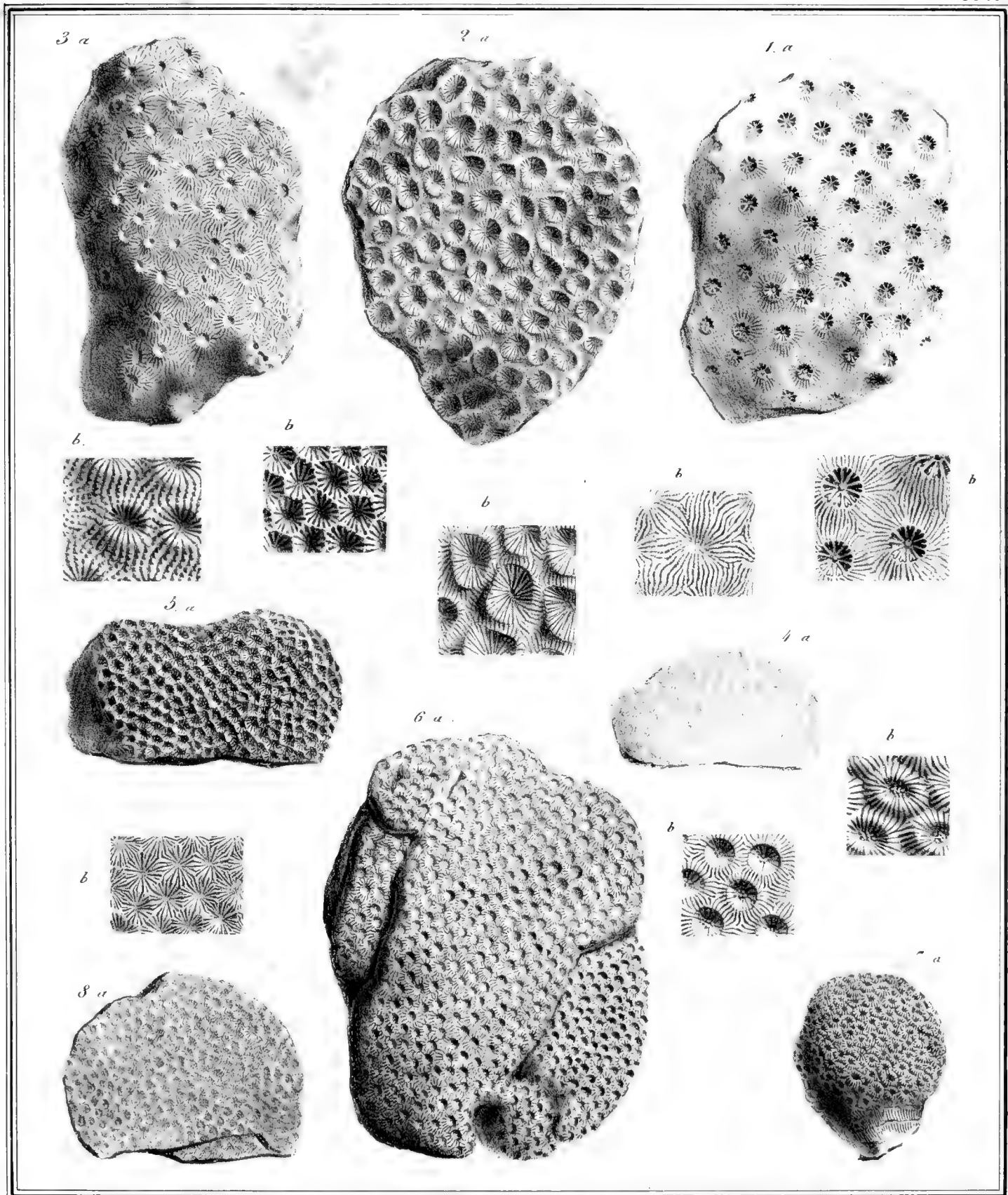
- 4. *Astraea media*
- 5. ——— *Lupcyrousiana*
- 6. ——— *composita*

Sowerby
 Michelin



GROUPE CRÉTACÉ.

CRASSE À HIPPIRIDES DES COBBIÈRES, DES MARTIGUES, DE MAZAL, ETC.



Delarue in Lap

Lith. Thierry frères

1.	<i>Astrea sparsa</i>	Michelin
2.	_____ <i>Doublieri</i>	_____
3.	_____ <i>sculpta</i>	_____
4.	_____ <i>Teissieriana</i>	_____

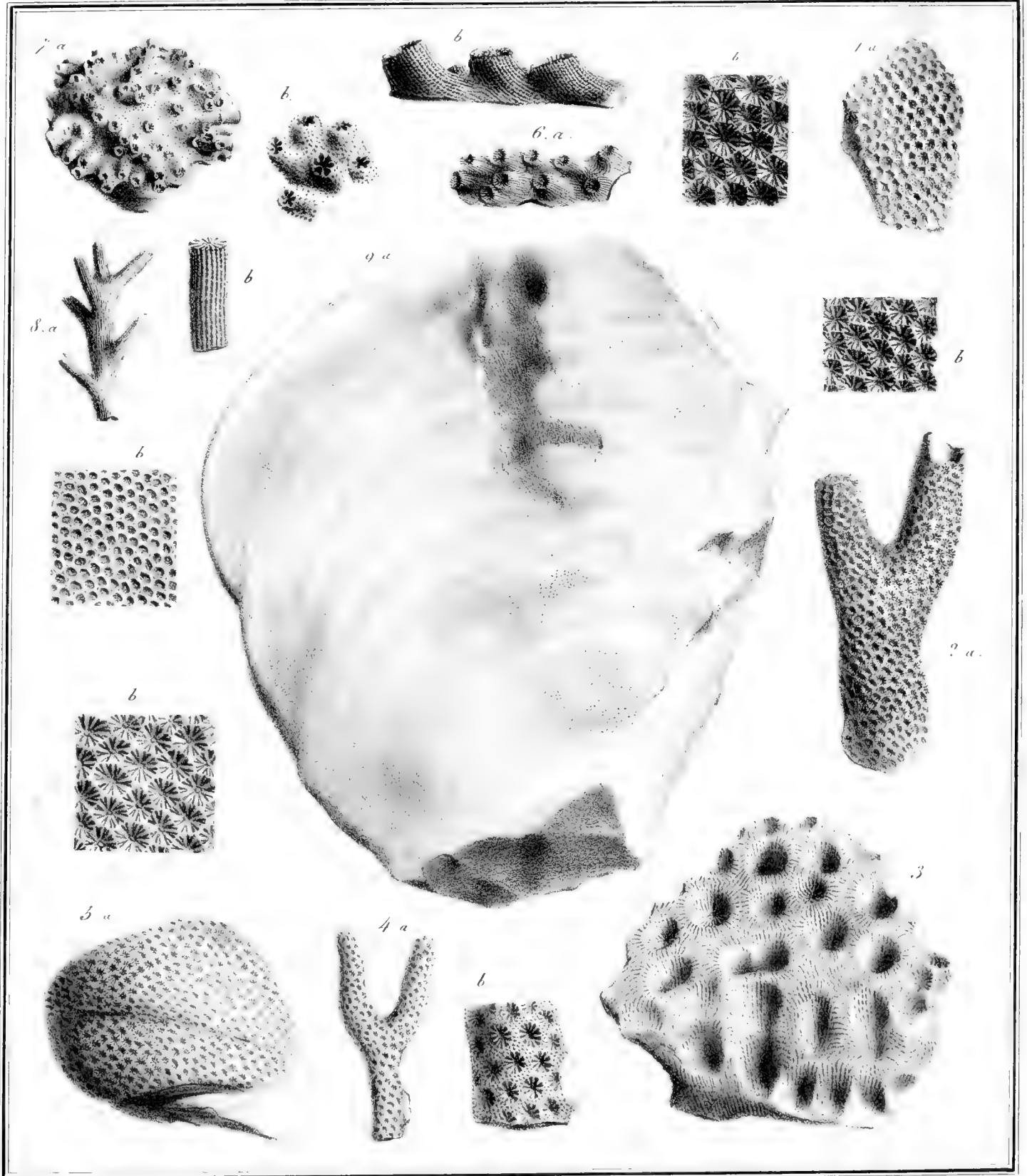
5.	<i>Astrea firmosa</i>	Goldfuss
6.	_____ <i>striata</i>	_____
7.	_____ <i>variolaris</i>	Michelin
8.	_____ <i>Requienii</i>	_____



GROUPE CRÉTACÉ.

CRASSE A HIPPIURITES DES CORBIÈRES, DES MARIQUES

NOUVEAU



Michelin lith

lith. Thury, foss.

1 *Astrea decaphylla* Michelin
 2 ——— *octolamellosa* ———
 3. ——— *perforata* ———

4 *Astrea ramosa* Powerby
 5. ——— *formosissima* ———
 6. *Lithodendron gommans* Michelin

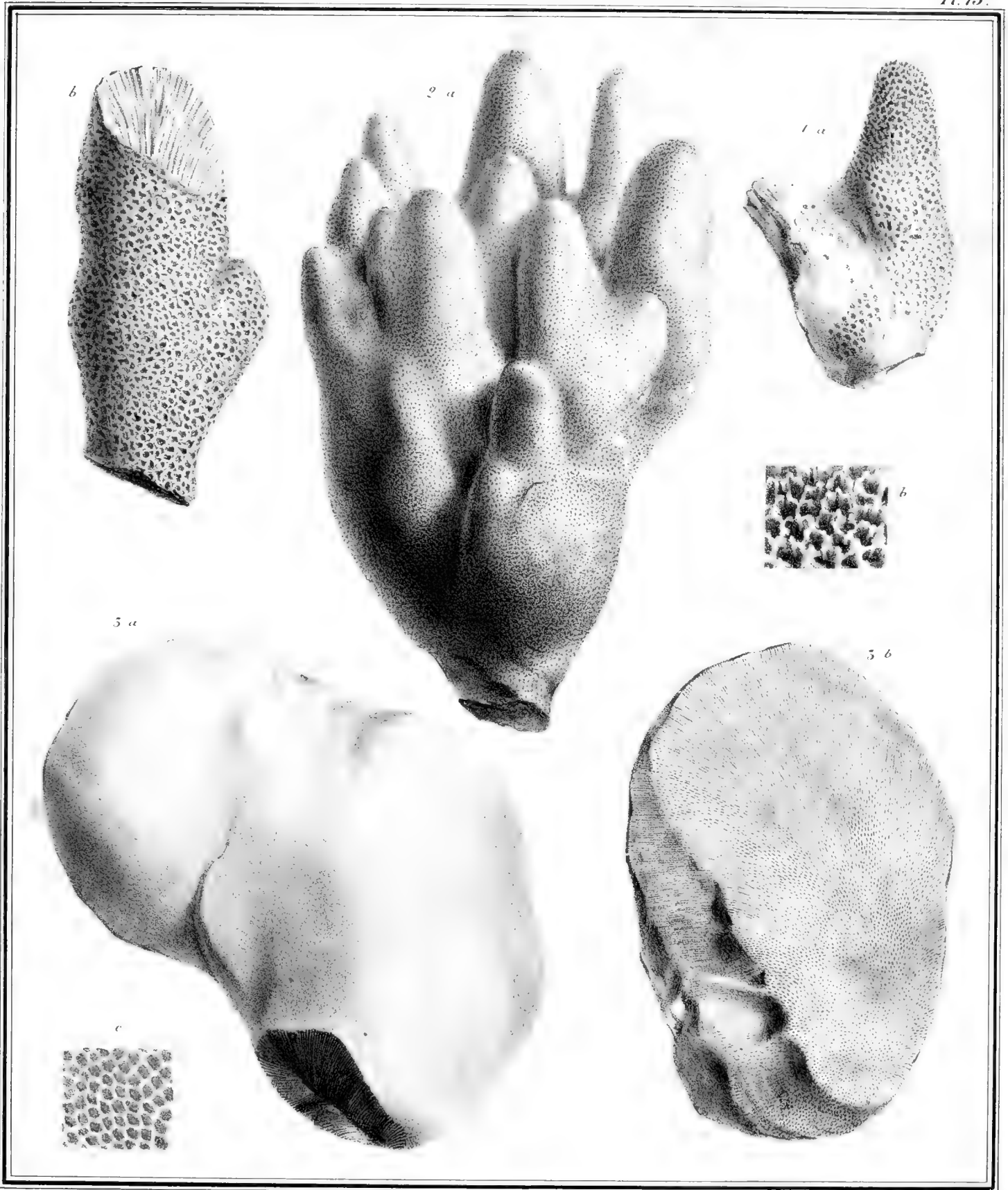
7. *Lithodendron exigue* Michelin
 8. ——— *ramulosum* ———
 9 *Chaetetes flabellum* ———



GROUPE CRÉTACÉ.

ALVÉOLITES DES CORBIÈRES, DES MARTIGUES, DE MONTAIGUES &c

Pl. 75.



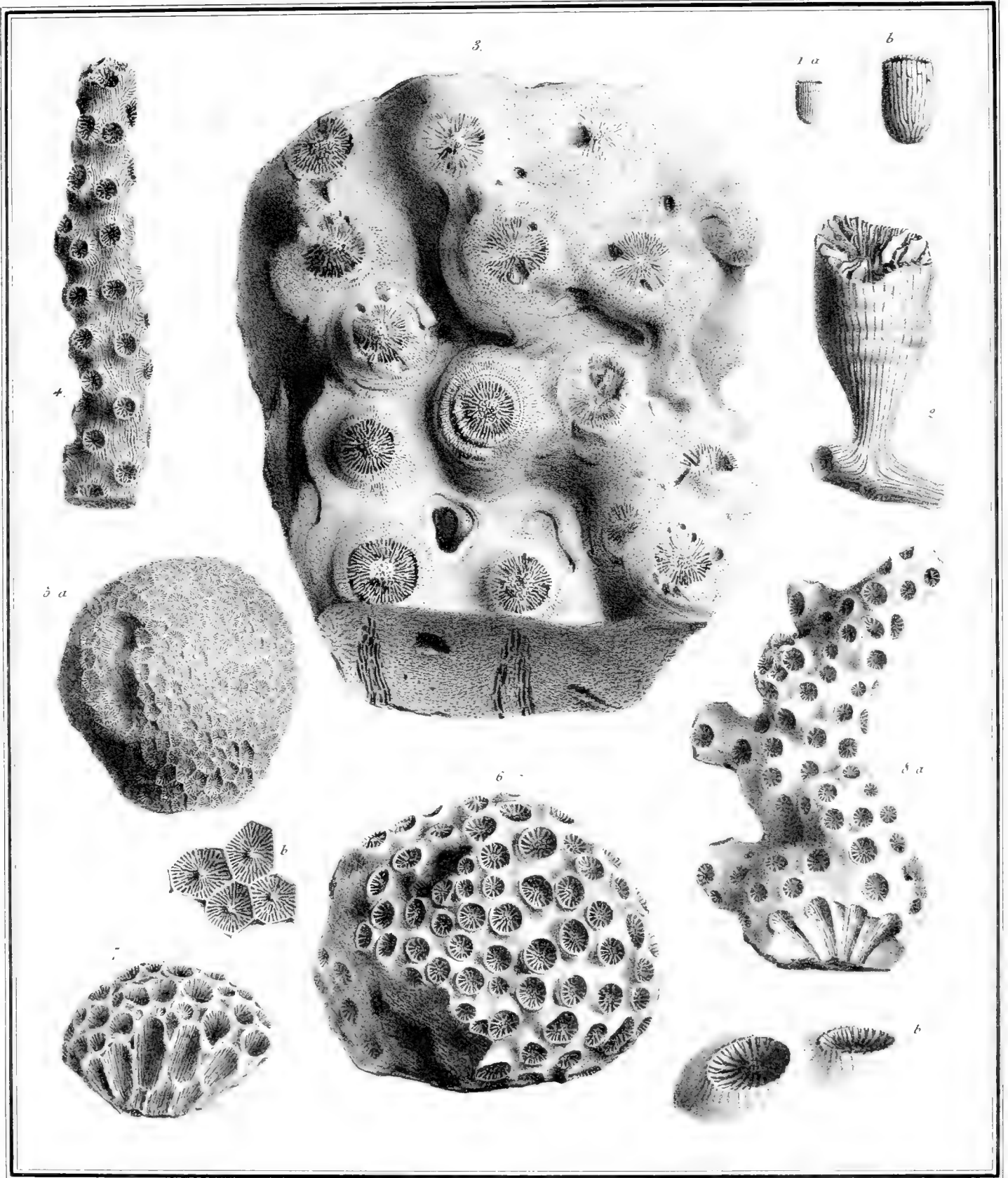
Delarue in cop

de Darrou vers

1. *Alveolites Massiliensis*, Michelin. || 2. *Chaetetes irregularis*, Michelin || 3. *Chaetetes Cyreni*, Michelin

GROUPE SUPRACRÉTACÉ.

FALUNS DE L'ANJOU, DE LA BRETAGNE, DE LA TOURAINE



Delarue in lap.

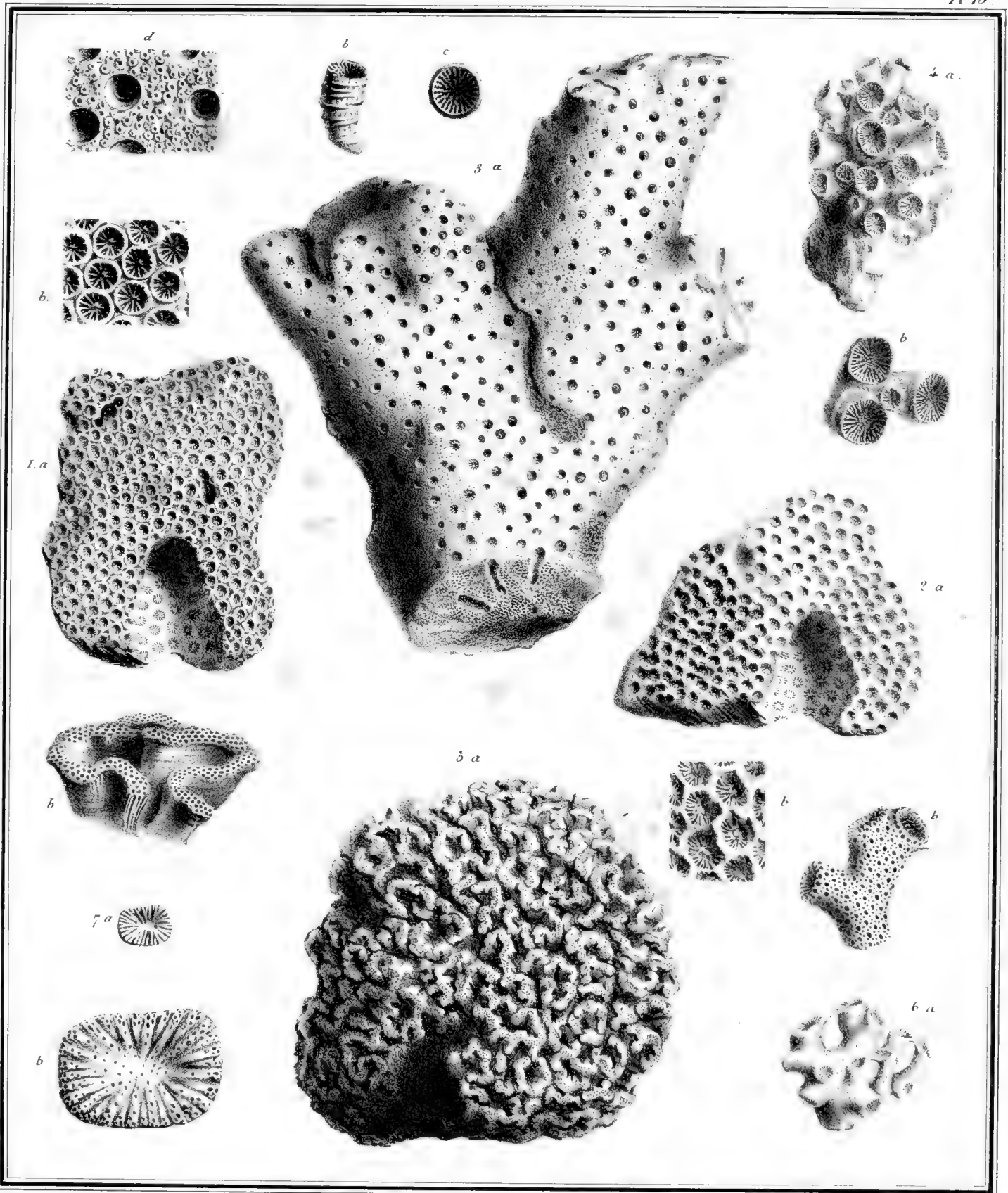
Ill. Thierry Freres

- | | | |
|--|---|--|
| 1. <i>Tarbinolia Malletiana</i> Oefrance | 4. <i>Dendrophyllia digitata</i> Blainville. (pl. elongata) | 7. <i>Astrea latiformis</i> Michelin |
| 2. <i>Caryophyllia Altavillensis</i> | 5. <i>Astrea Bertrandiana</i> Michelin | 8. <i>Oculina crassoramosa</i> |
| 3. <i>Dendrophyllia Theobaldensis</i> Michelin | 6. <i>semispherica</i> Oefrance | |



GROUPE SUPRACRÉTACE

FALUNS DE L'ANJOU, DE LA BRETAGNE DE LA TOURNAI



Delarue sculp.

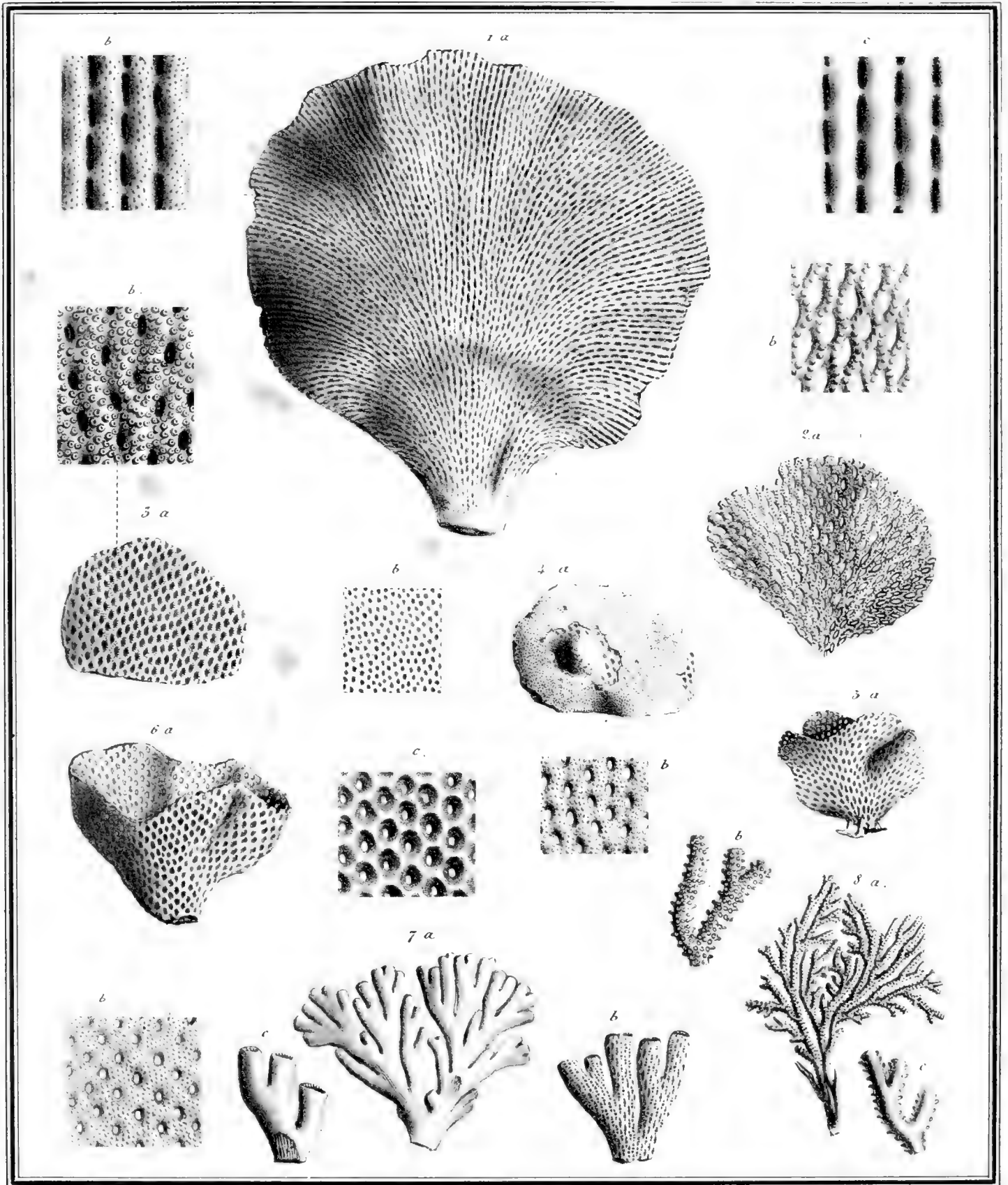
Pl. 75. 75.

- | | | | | | |
|------------------------|----------------------------|----|--------------------|----------------------|------------|
| 1. 2. <i>Astrea</i> | <i>Turonensis</i> Michelin | 5 | <i>Apsendesia</i> | <i>cerebriformis</i> | Blainville |
| 3. <i>Lithodendron</i> | <i>parasitum</i> _____ | 6 | <i>Heteropora</i> | <i>intricata</i> | Michelin |
| 4. _____ | <i>multicaule</i> _____ | 7. | <i>Lichenopora</i> | <i>America</i> | _____ |



GROUPE SUPRACRÉTACÉ.

FALUNS DE LANJOU, DE LA BRETAGNE, DE LA TOURAINE



Delarue in lap.

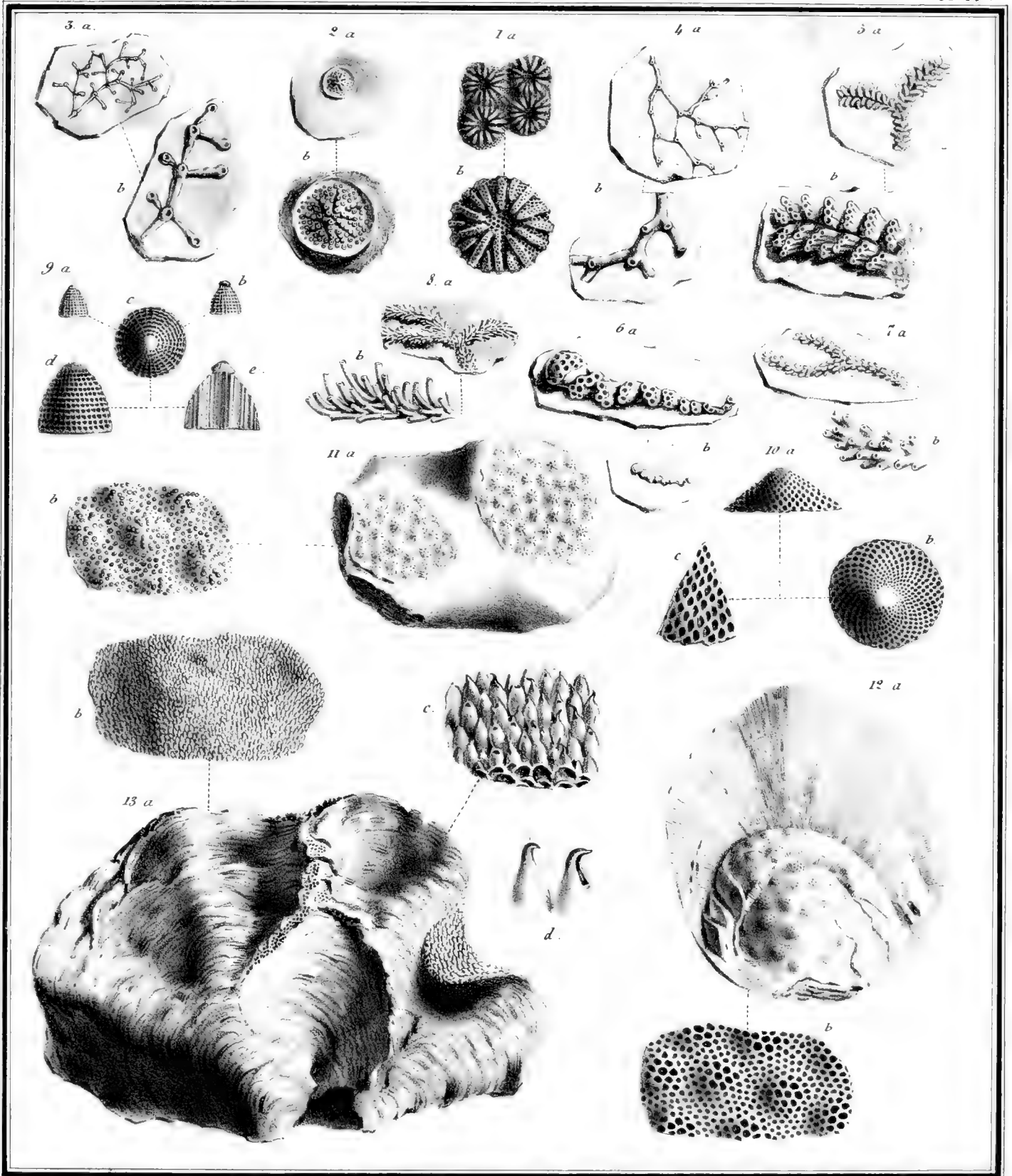
Lith. Thierry frères

1	<i>Helopora flabelliformis</i>	Blainville	3	<i>Helopora frustulata</i>	Lamarck
2	— <i>granulosa</i>	Michelin	6	— <i>alveolaris</i>	Blainville
3	— <i>subinosa</i>	—	7	<i>Hornera striata</i>	Milne Edwards
4	— <i>applanata</i>	Blainville	8	— <i>andegavensis</i>	Michelin



GROUPE SUPRACRÉTACÉ.

FALUNS DE LANJOU, DE LA BRETAGNE, DE LA TOURNAI



Delarue in lap.

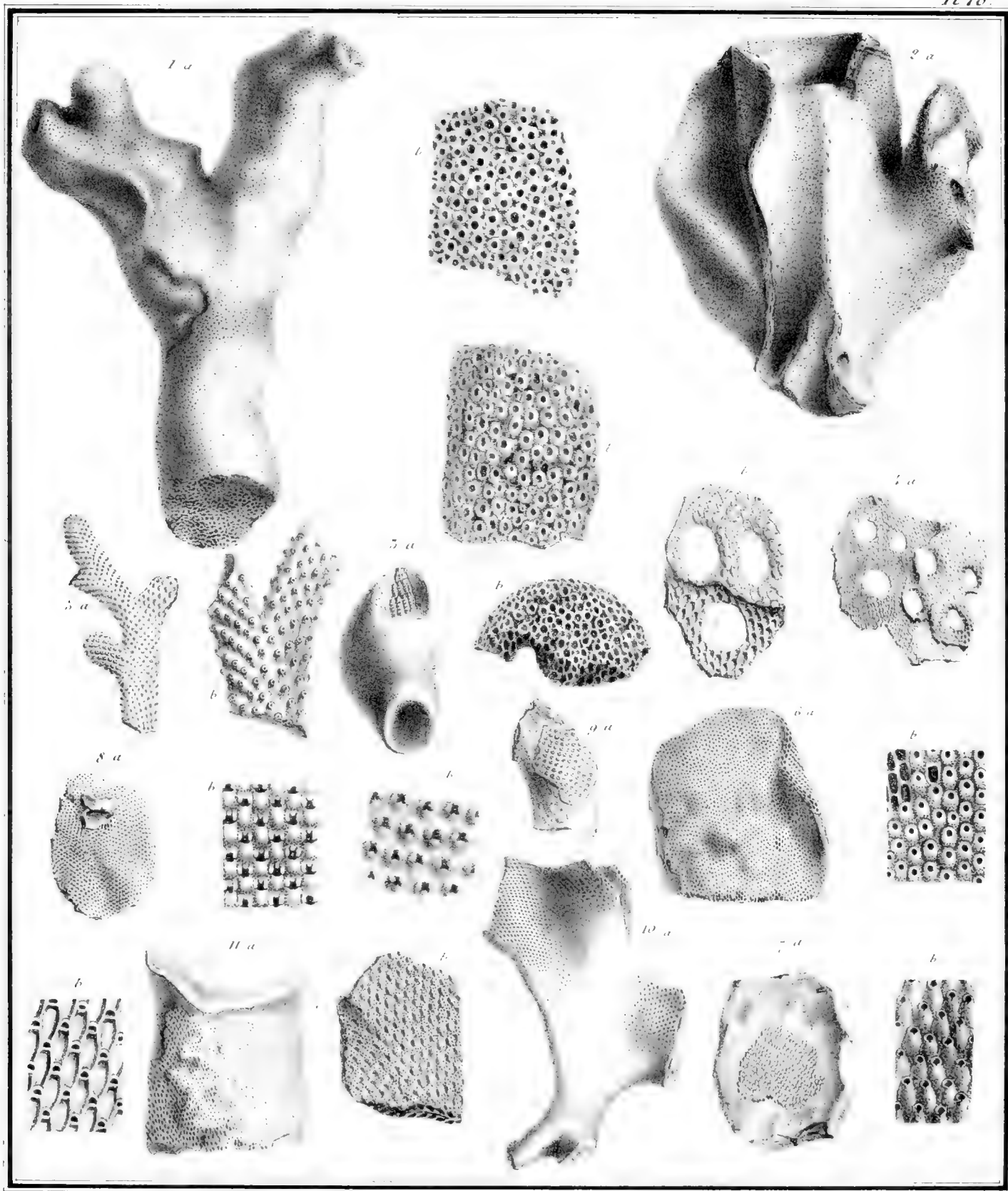
Lith de Thierry 1855

<p>1. <i>Lichenopora cumulata</i> . . . Michelin</p> <p>2. <i>Tubulipora fungicuta</i> . . . _____</p> <p>3. <i>Alecto vesiculosa</i> . . . _____</p> <p>4. _____ <i>parvula</i> . . . _____</p>	<p>5. <i>Obelia disticha</i> . . . Michelin .</p> <p>6. _____ <i>alternata</i> . . . _____</p> <p>7. <i>Tubulipora limbriata</i> . . . Lamarch</p> <p>8. _____ <i>cornigera</i> . . . Michelin .</p> <p>9. <i>Lunulites conica</i> . . . Desfrance .</p>	<p>10. <i>Lunulites luvieri</i> . . . Desfrance .</p> <p>11. <i>Cerzopora licheniformis</i> . . . Michelin .</p> <p>12. <i>Chaetetes pomiformis</i> . . . V. l'as id</p> <p>13. <i>Collepora cucullina</i> . . . Michelin</p>
--	--	---



GROUPE SUPRACRÉTACÉ.

FAUNES DE LANJOU DE LA BRETAGNE, DE LA TOULONNAISE



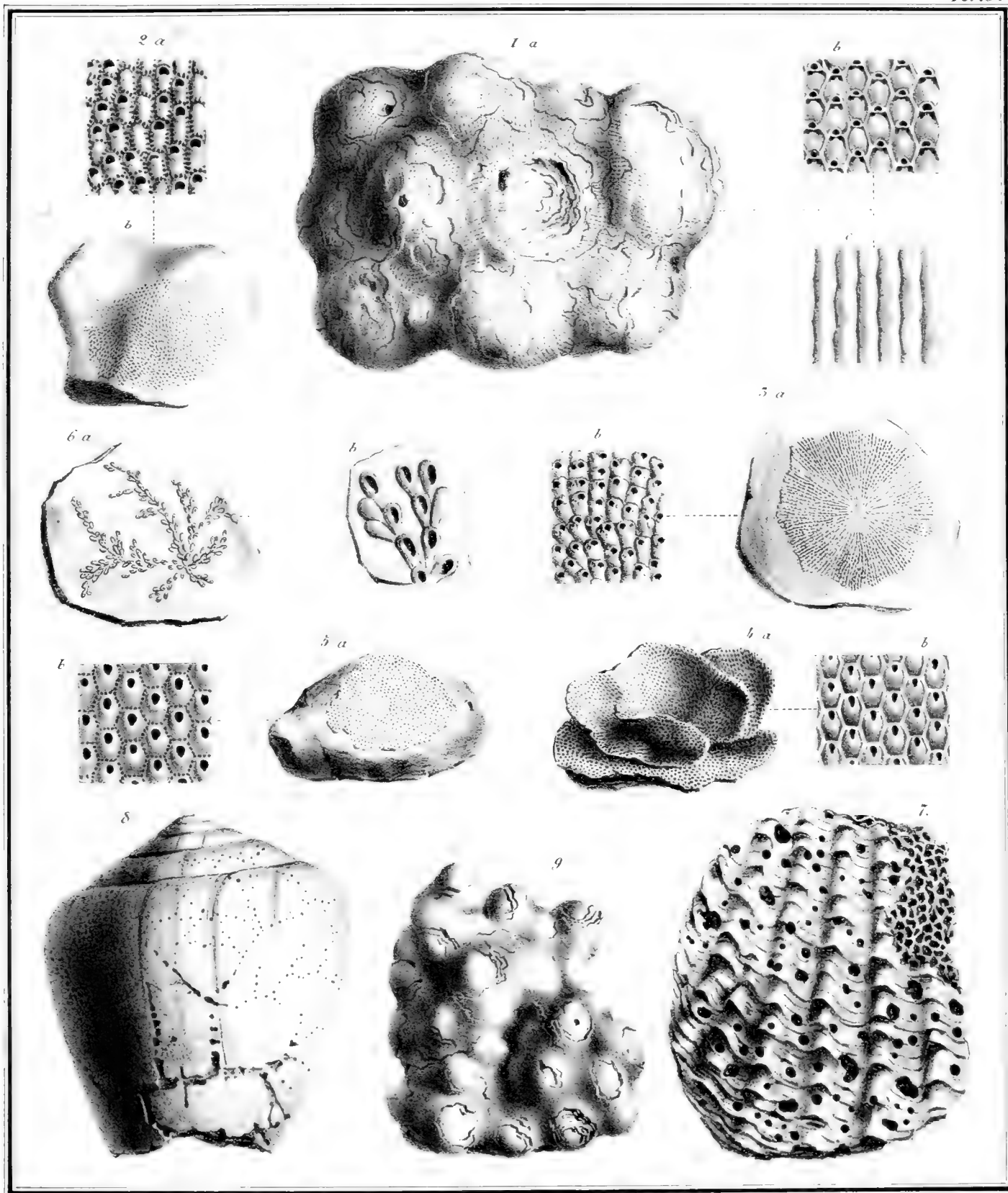
1. *Clepora pulmata* . Michelin .
 2. ————— *foliacea* —————
 3. ————— *parasitica* . —————
 4. *Aleone relquiformis* . —————

5. *Aleone lamellosa* . Michelin
 6. *Eschara Selagwaha* . M Edwards
 7. ————— *incisa* . —————
 8. ————— *Deshayesi* —————

9. *Eschara talosa* Michelin .
 10. ————— *monilifera* M Edwards
 11. ————— *Andegavensis* Michelin .

GROUPE SUPRACRÉTACÉ.

FALUNS DE LANJOU, DE LA BRETAGNE, DE LA NORMANDE.



- | | | |
|-------------------------------------|--|----------------------------------|
| 1. <i>Eschara nobilis</i> Michelin. | 4. <i>Eschara affinis</i> M Edwards. | 7. <i>Voa Nuvernoyi</i> Mado |
| 2. <i>_____ pertusa</i> M Edwards. | 5. <i>_____ lala</i> _____ | 8. <i>_____ Nardina</i> Michelin |
| 3. <i>_____ biaperta</i> Michelin. | 6. <i>Craserpia pyriformis</i> Michelin. | 9. <i>Hallypora uvaria</i> _____ |



