UNIVERSITY OF TORONTO
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PALÉONTOLOGIE FRANÇAISE

DESCRIPTION

DES ANIMAUX INVERTÉBRÉS

DATES DE LA PUBLICATION

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Feuilles 7 — 9	Octobre 1876.
Planches 167 — 178	
Feuilles 10 et 11	Octobre 1876.
Planches 179 — 190	
Feuilles 12 — 14	Septembre 1877.
Planches 191 — 202	
Feuilles 15 — 17	Juin 1878.
Planches 203 — 214	
Feuilles 18 et 19	Octobre 1878.
Planches 215 — 226	
Feuilles 20 — 22	Décembre 1878.
Planches 227 — 238	
Feuilles 23 — 25	Octobre 1879.
Planches 239 — 250	
Feuilles 26 — 30	Janvier 1880.
Planches 251 — 262	

945-76. — Corbeil, Typ. et stér. Crété.

PALÉONTOLOGIE FRANÇAISE

DESCRIPTION

DES ANIMAUX INVERTÉBRÉS

COMMENCÉE PAR ALCIDE D'ORBIGNY

continuée

SOUS LA DIRECTION D'UN COMITÉ SPÉCIAL

TERRAIN JURASSIQUE

TOME DIXIÈME

1re Partie

ÉCHINIDES RÉGULIERS

Familles des Cidaridées et des Salénidées

PAR

G. COTTEAU

ANCIEN PRÉSIDENT DE LA SOCIÉTÉ GÉOLOGIQUE DE FRANCE

ATLAS

30562

PARIS

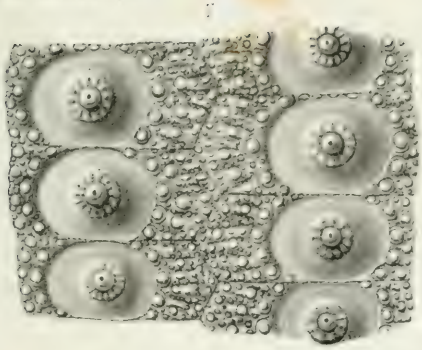
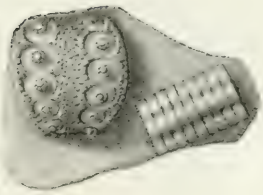
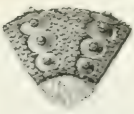
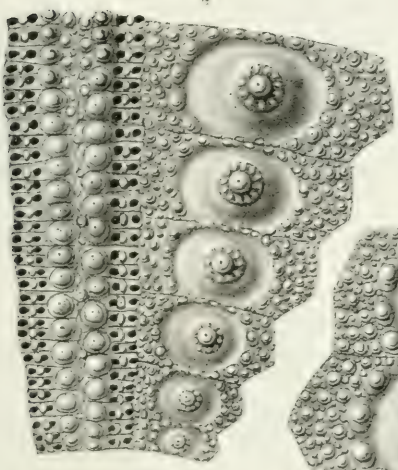
G. MASSON, ÉDITEUR

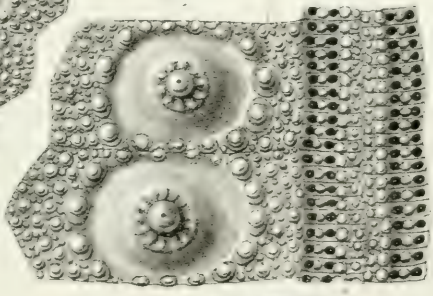
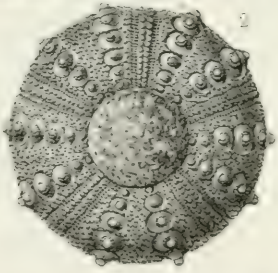
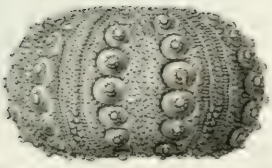
LIBRAIRE DE L'ACADÉMIE DE MÉDECINE

120, Boulevard Saint-Germain, en face de l'École de Médecine

1875-1880

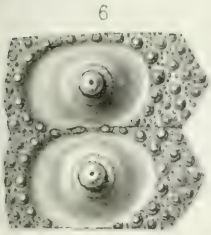
QE
755
F8
07
Sect. B
1. Ser.
t. 10 a
ATLAS

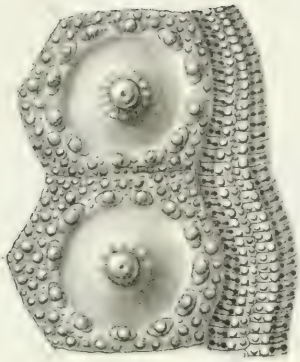





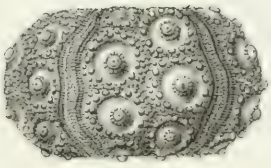




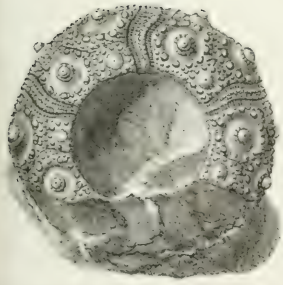
J. Masson, Éditeur. Imp. Becquet, Paris

1 – 4. Cidaris Toucasi, Cotteau. Étage rhétien.
5 – 7. C. ——— Crossei. ——— Et. sinémurien.



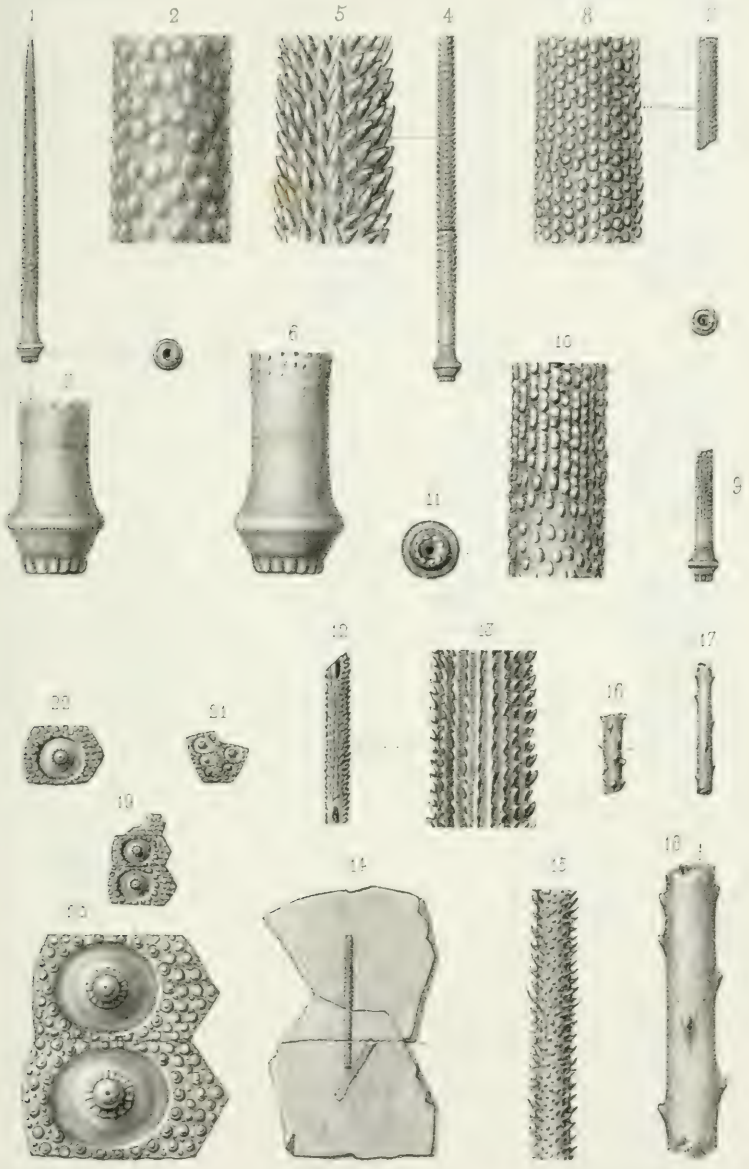






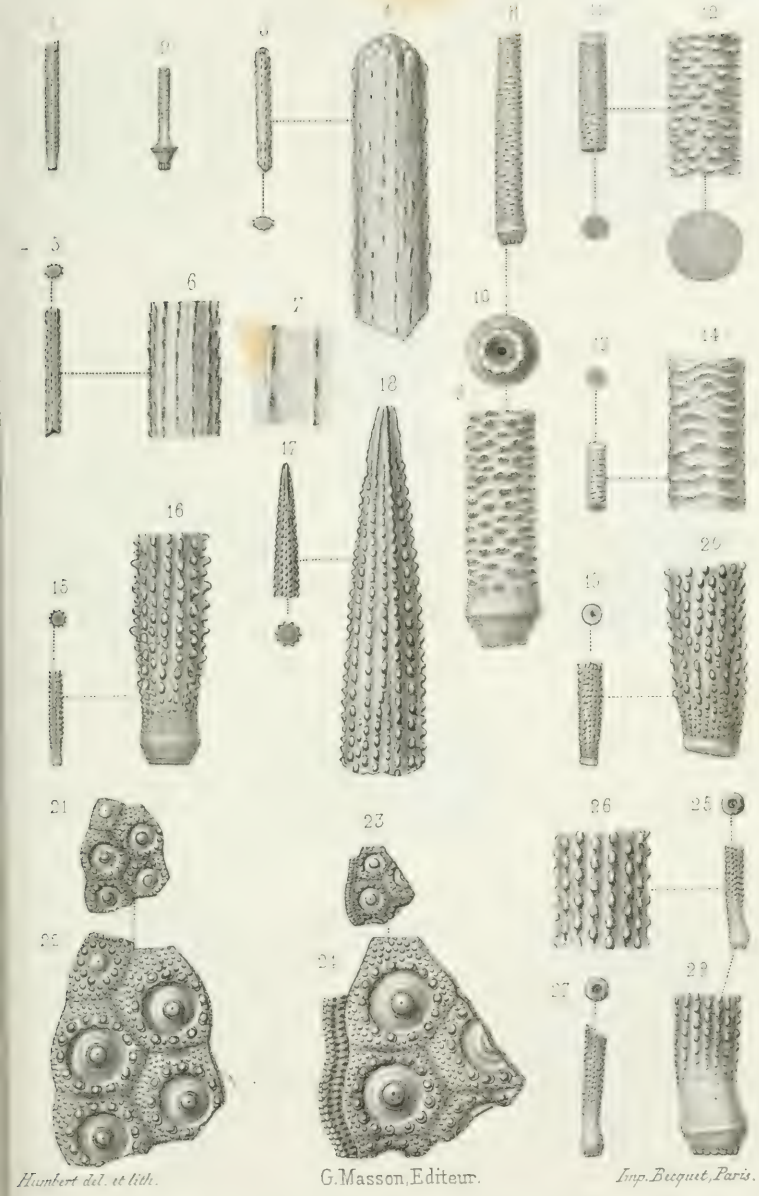
Humbert del. et lith. G. Masson, Editeur. Imp. Lemercier, Paris

1–4. *Cidaris Falsani*, Dumortier Sinémurien.
5. 6. *C.____ Pellati*, Cotteau, ____ ____
7. 9. *C.____ Jarbus*, d'Orbigny _____



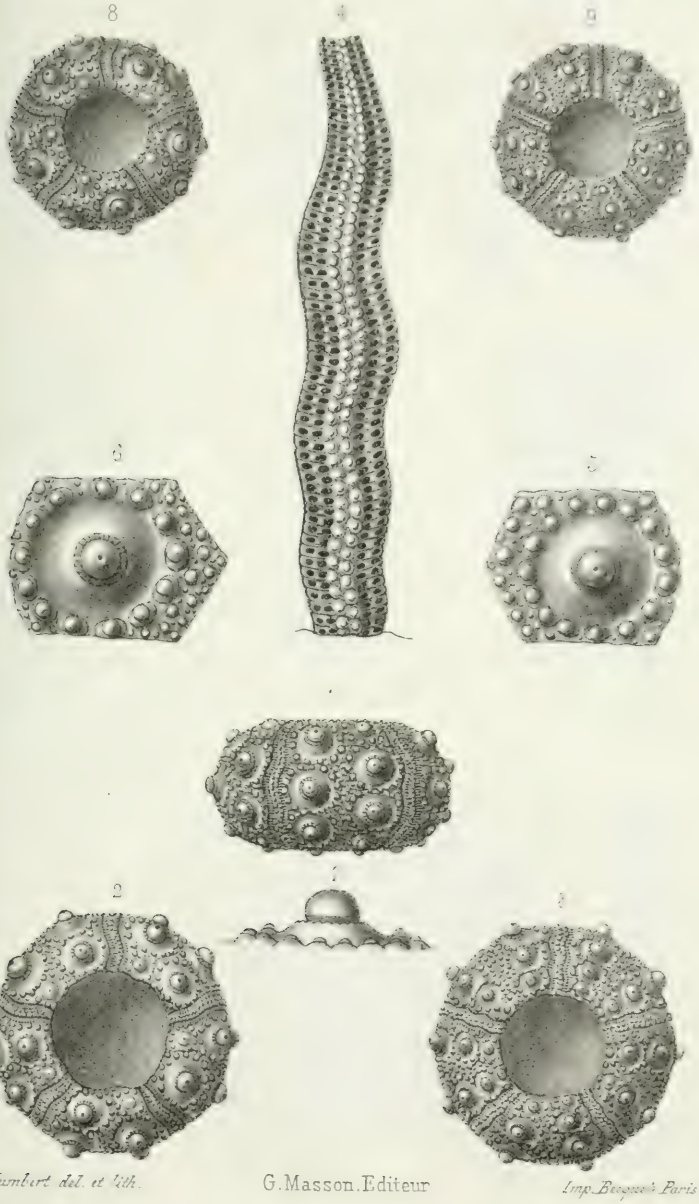
Humbert del. et lith. G. Masson, Editeur. Imp. Bugnet, Paris.

1 _ 11.	*Cidaris*	*Martini*, Cotteau	*Sinémurien.*
12 _ 13.	*C.* ____	*Itys*, d'Orbigny.	____
14 _ 15.	*C.* ____	*pilosa*, Cotteau.	____
16 _ 18.	*C.* ____	*armata*, ____	*Liasien.*
19 _ 22.	*C.* ____	*Moorei*, Wright.	____



Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

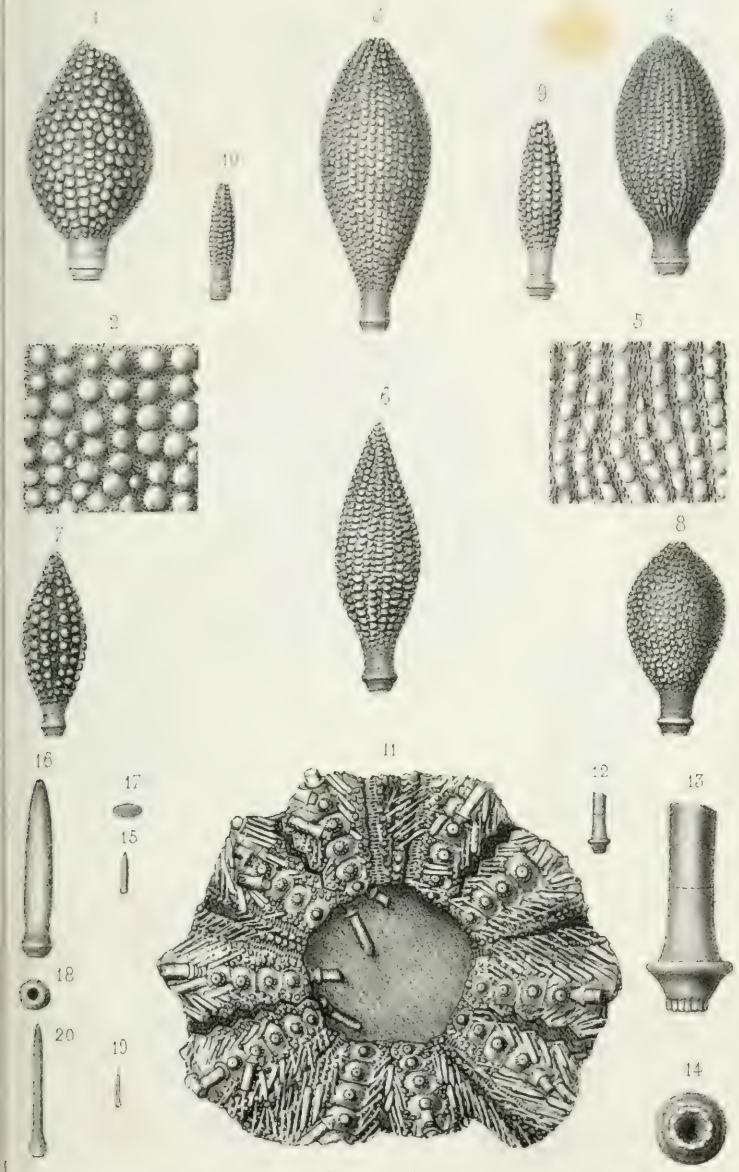
1–7. *Cidaris striatula*, Cotteau. Liasien.
8–14. *C.* ——— *subundulosa*, ——— ———
15–20. *C.* ——— *Deslongchampsi* ——— ———
21–24. *C.* ——— *Morierei* ——— ———
25–28. *C.* ——— *Carabœufi* ——— ———



Humbert del. et lith. G. Masson, Editeur Imp. Becquet Paris.

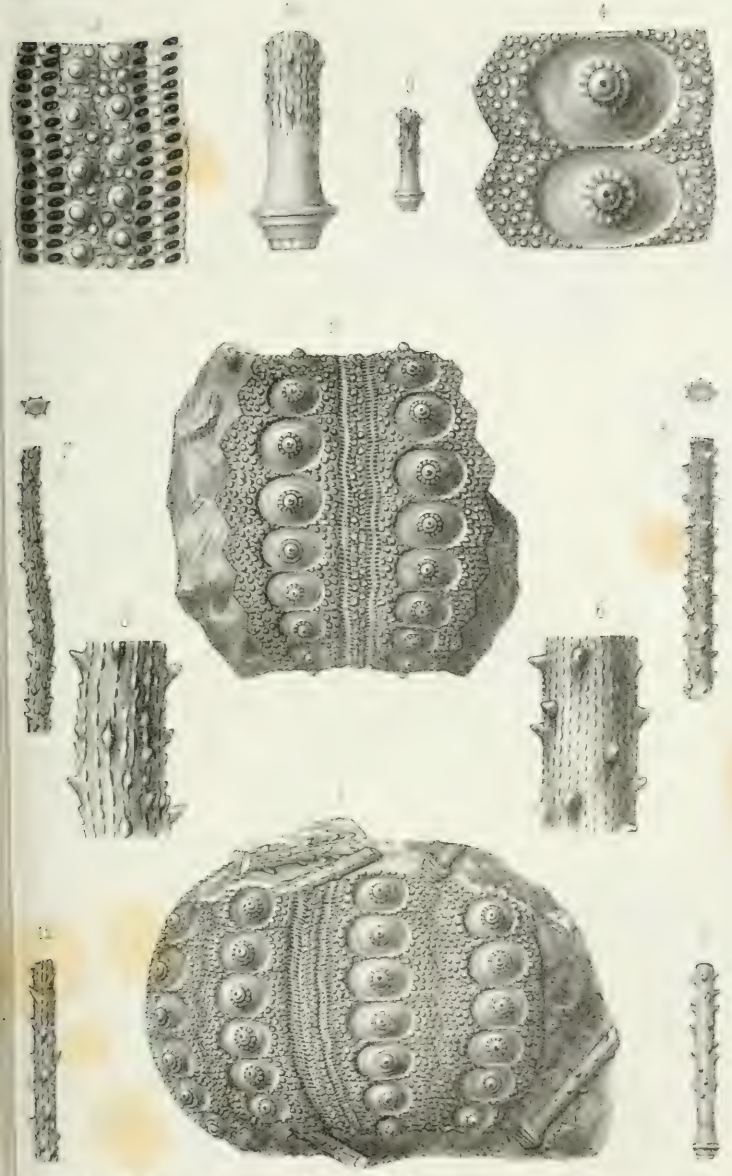
Cidaris cucumifera, Agassiz. Bajocien.

T. Jurassique. Echinides. Pl. 148.

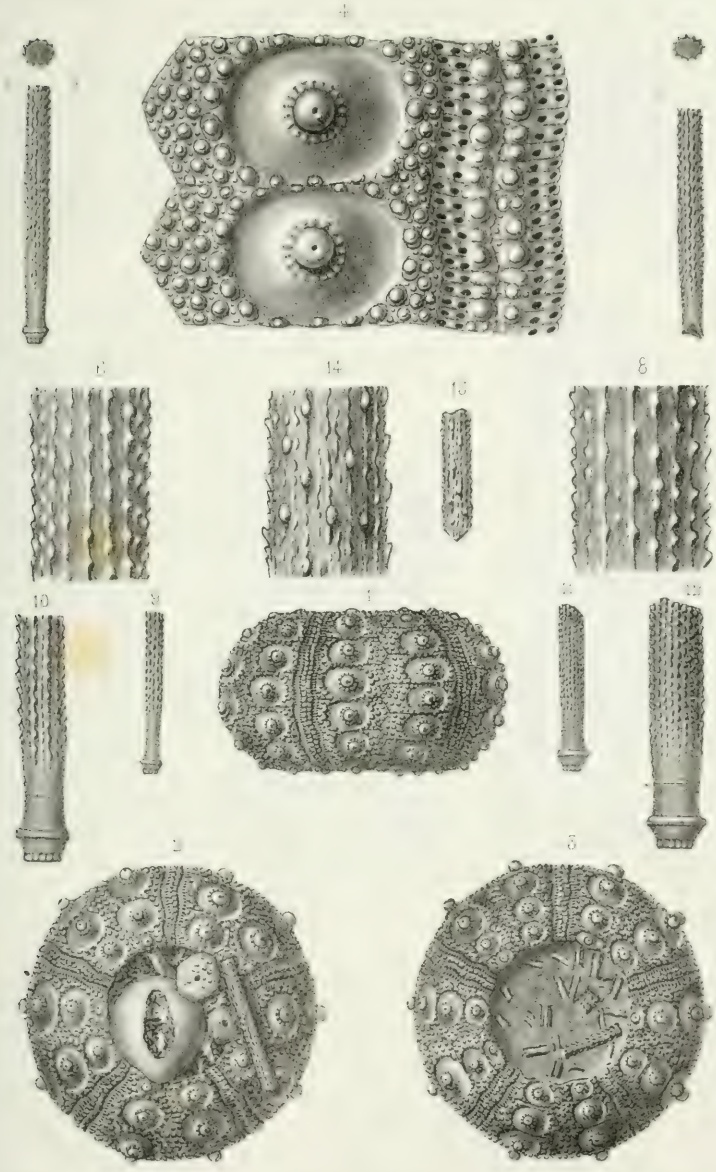


Humbert del. et lith. G. Masson, Editeur. *Imp. Buquet, Paris.*

1 – 10. Cidaris cucumifera, Agassiz. Bajocien.
11 – 20. C.____ spinulosa, Rœmer. _____

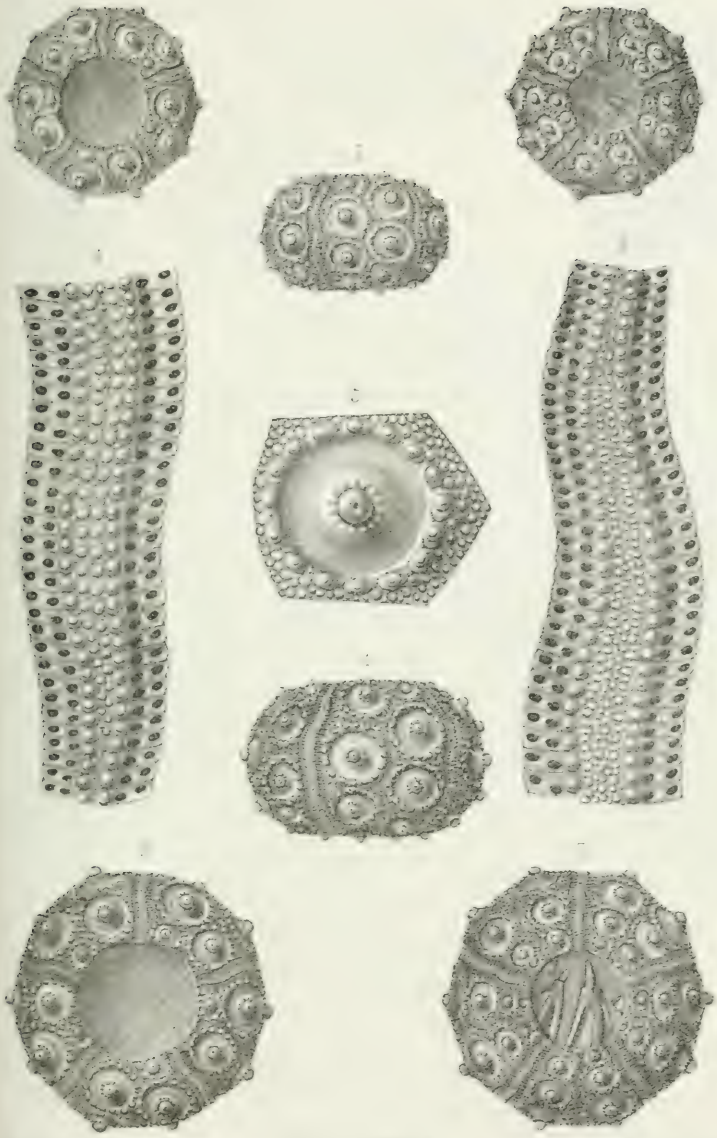


Cidaris spinulosa, Rœmer. Bajocien.



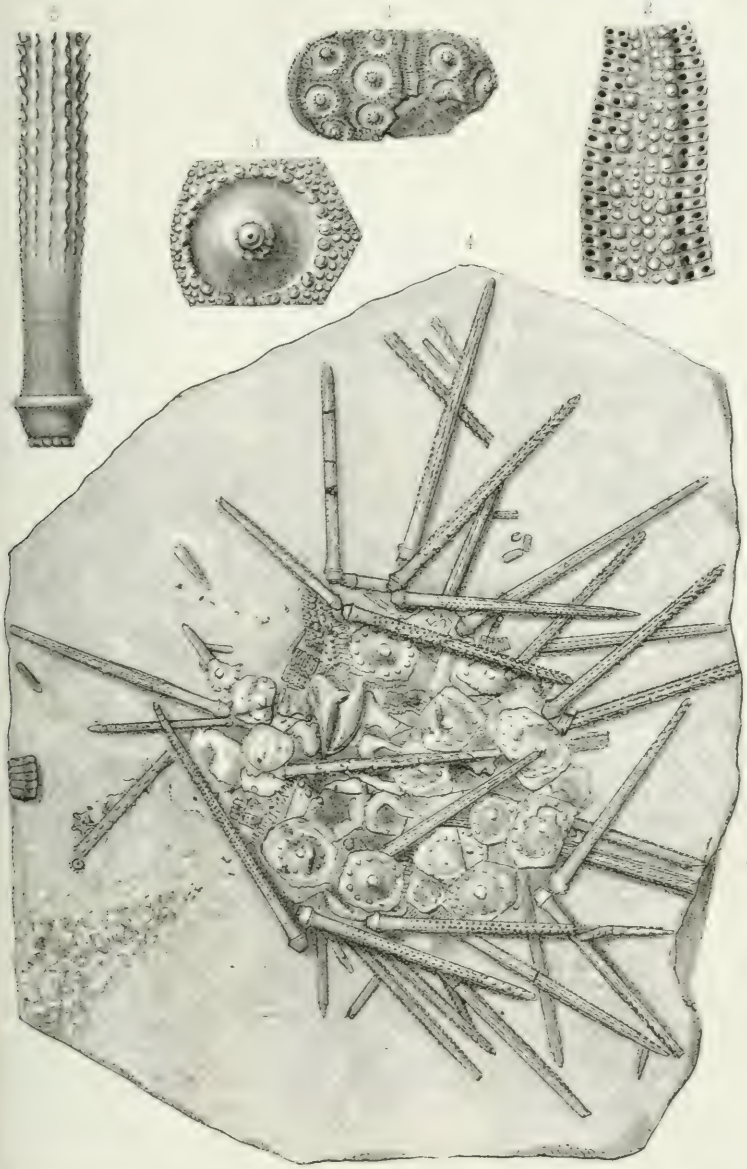
Humbert del. et lith. G.Masson Editeur. *Imp.Buguet, Paris.*

Cidaris Zschokkei Desor. Baiocien



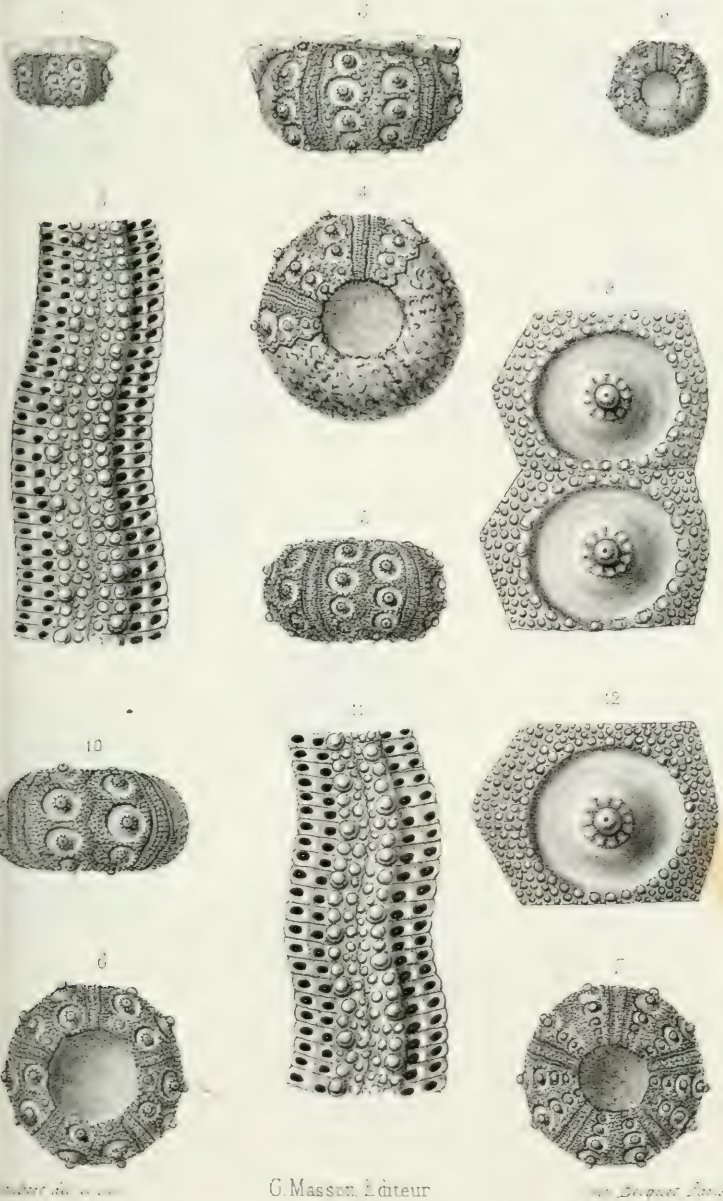
Humbert del. et lith. G. Masson Imp. Becquet, Paris

Cidaris Sæmanni, Cotteau Bajocien.



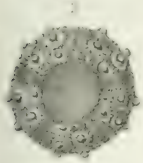
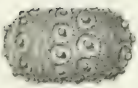
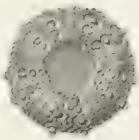
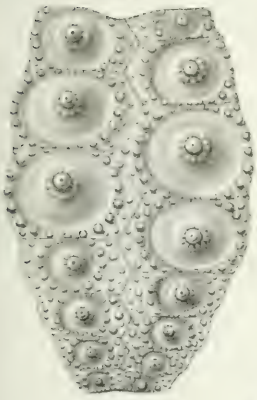
Humbert del. et lith. G. Masson Editeur. Imp. Becquet, Paris.

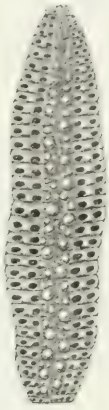
1 – 3. *Cidaris Sœmanni*, Cotteau. Bathonien.
4 – 5. *C.* ——— *Charmassei*, ——— Bajocien.

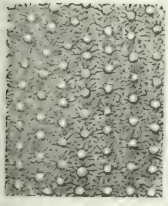


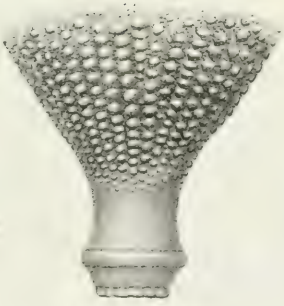
G. Masson, Éditeur

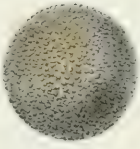
1 - 4. *Cidaris Collenoti*, Cotteau. Bajocien.
5 - 12. *C.* ____ *Caumonti*, ____ ____



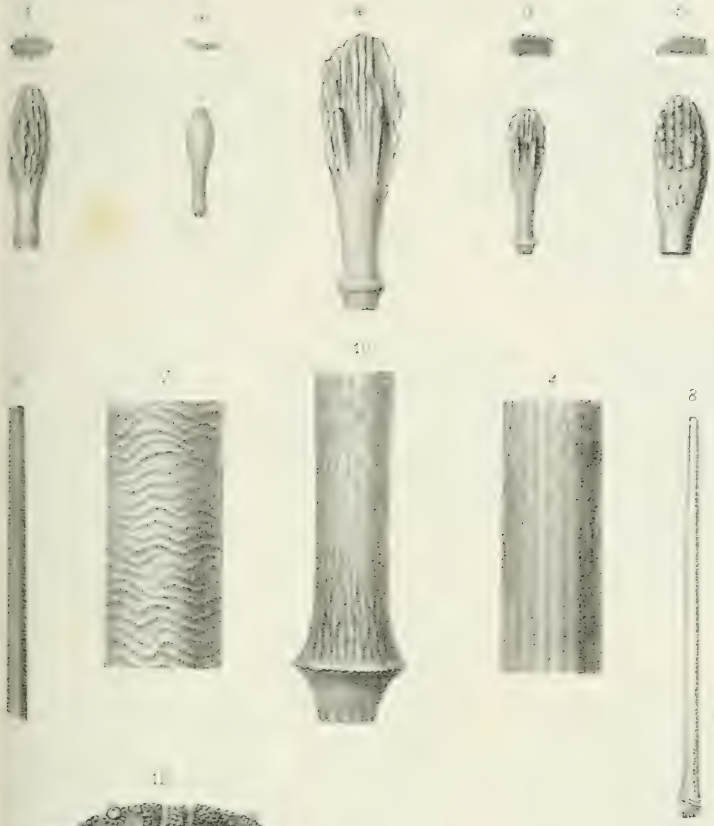


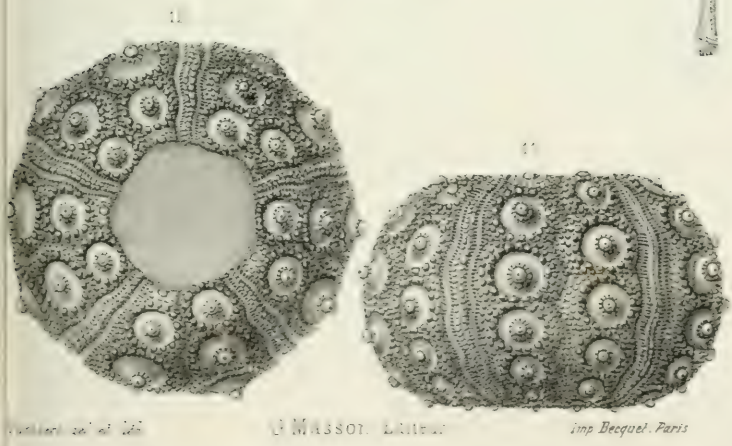




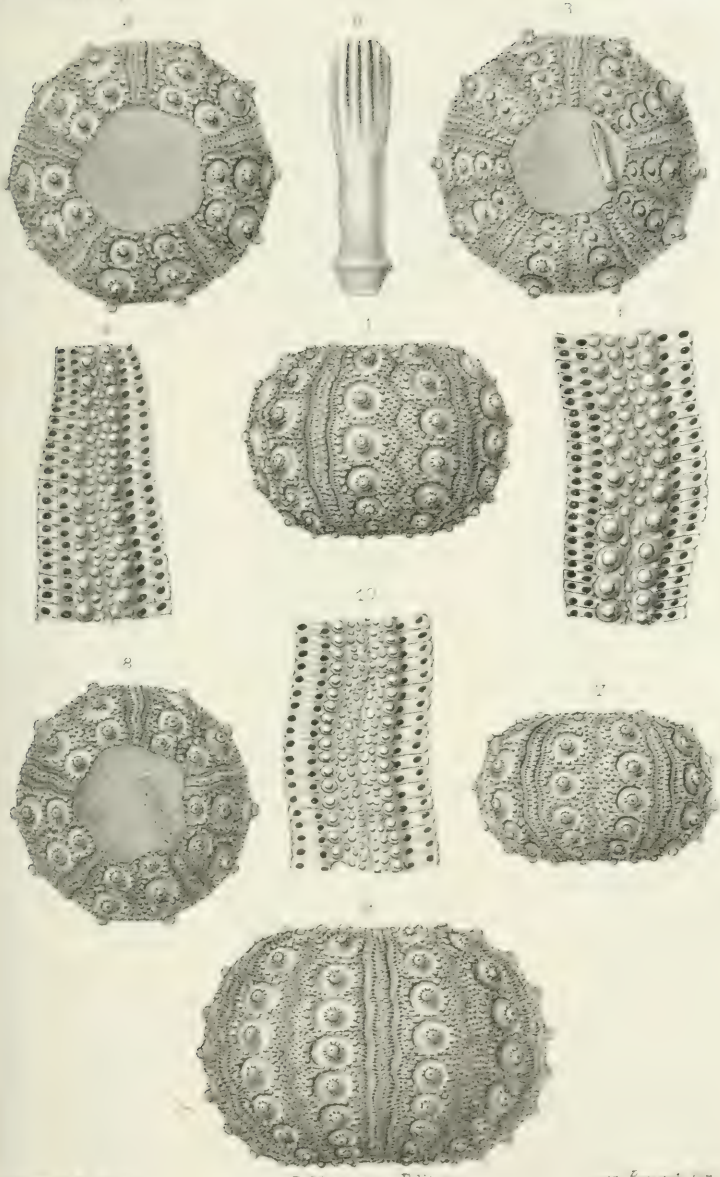
Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

1 – 6. Cidaris Bajocensis, Cotteau. Bajocien.
7 – 12. C. ____ Roysi Desor. ____



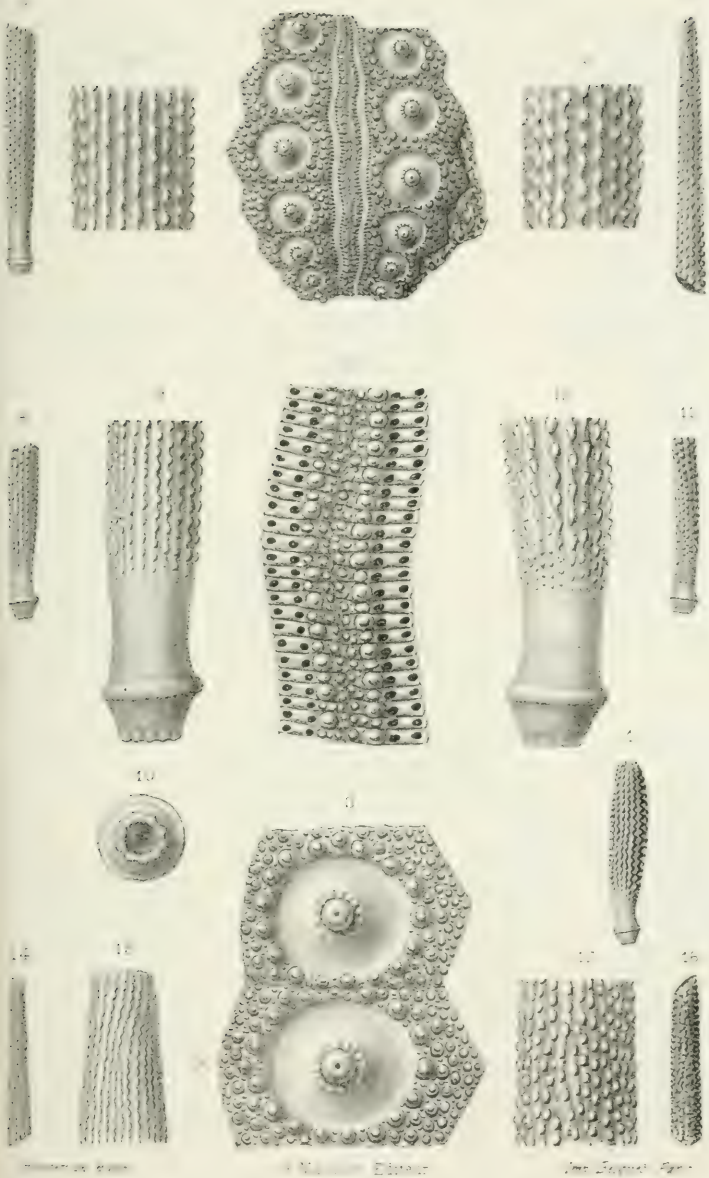


1_5 *Cidaris Dumortieri*, Cotteau. Bajocien
6_7 ——— *Corteti*, Cotteau. ———
8_10 ——— *Chantrei*, Cotteau ———
11_12 ——— *Baheani*, Cotteau. Bathonien

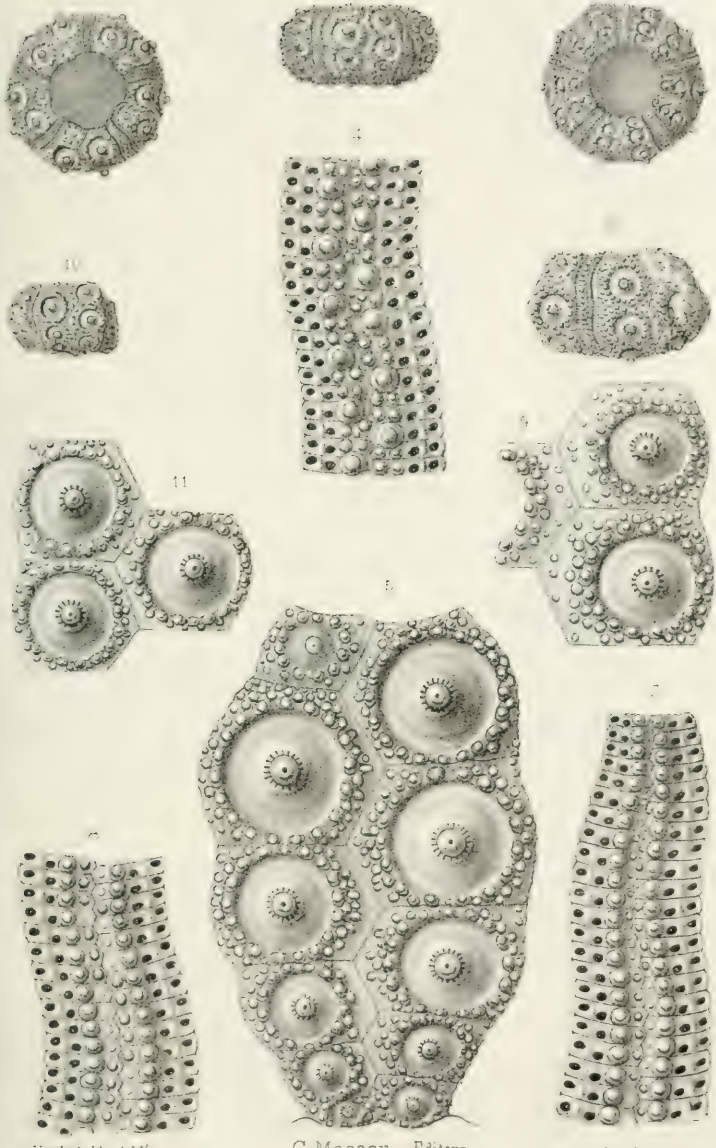


G. Masson Editeur

Cidaris Babeaui, Cotteau Bathonien

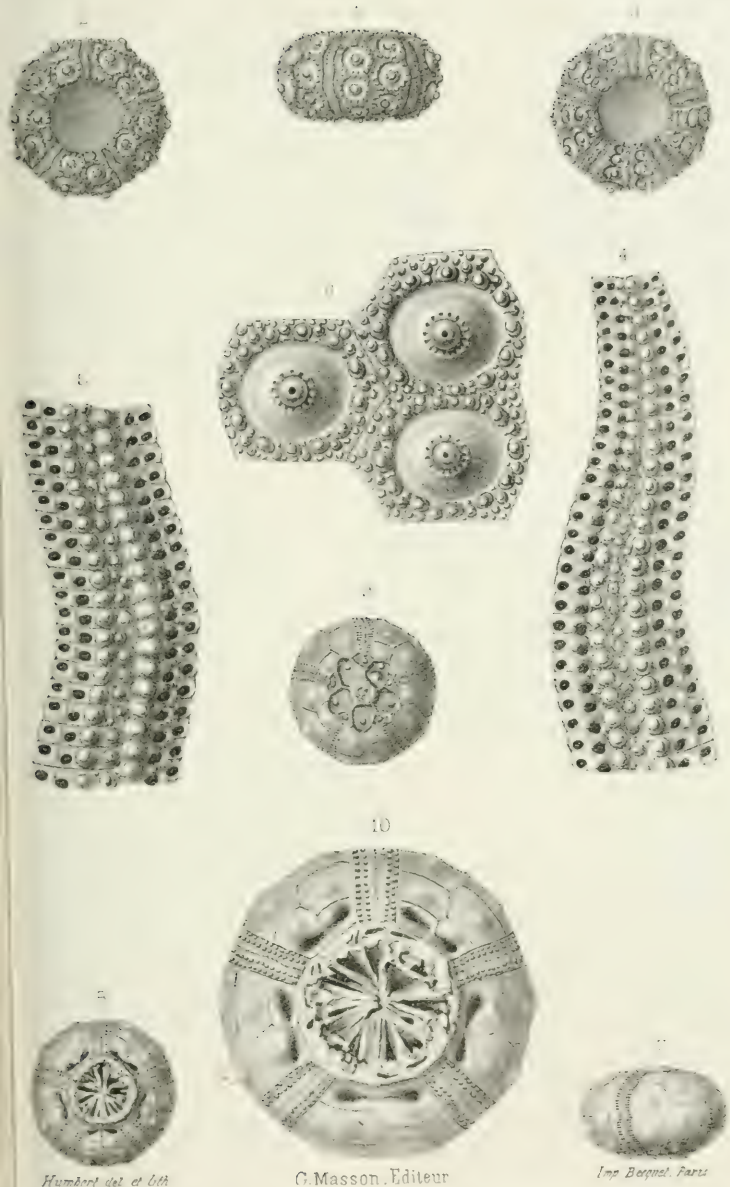


Cidaris Bathonica, Cotteau. Bathonien.



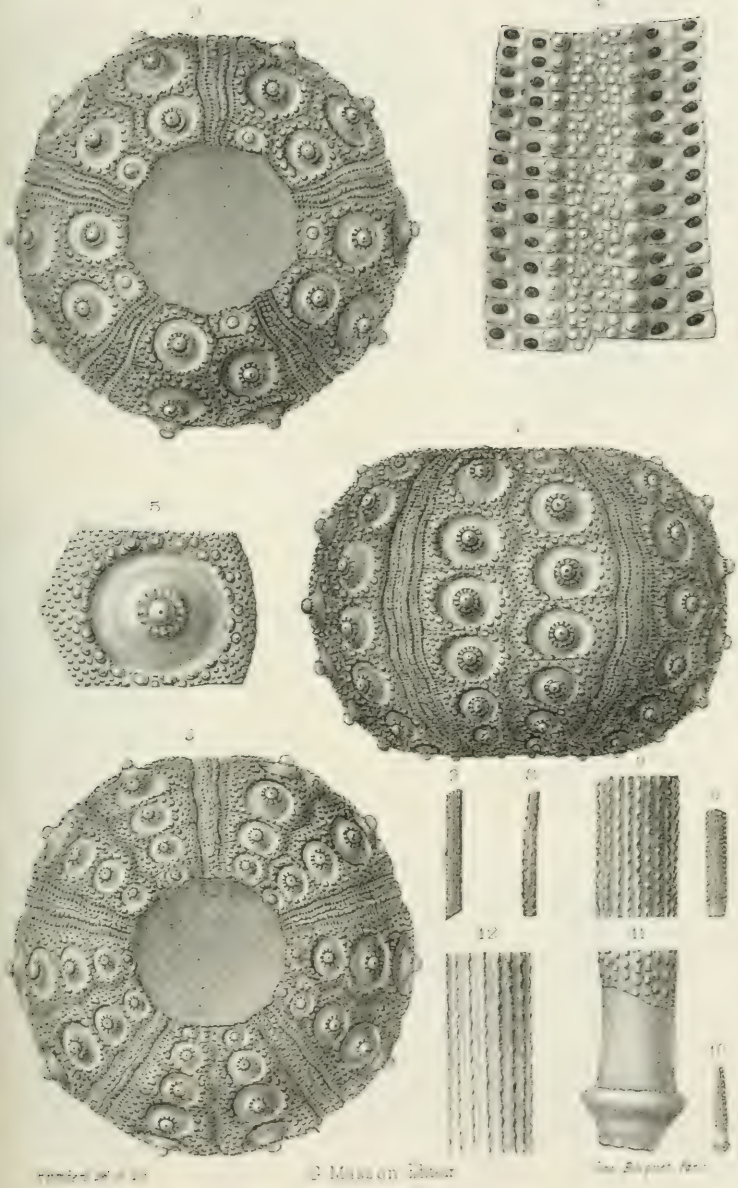
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris

Cidaris sublævis, Cotteau. Bathonien

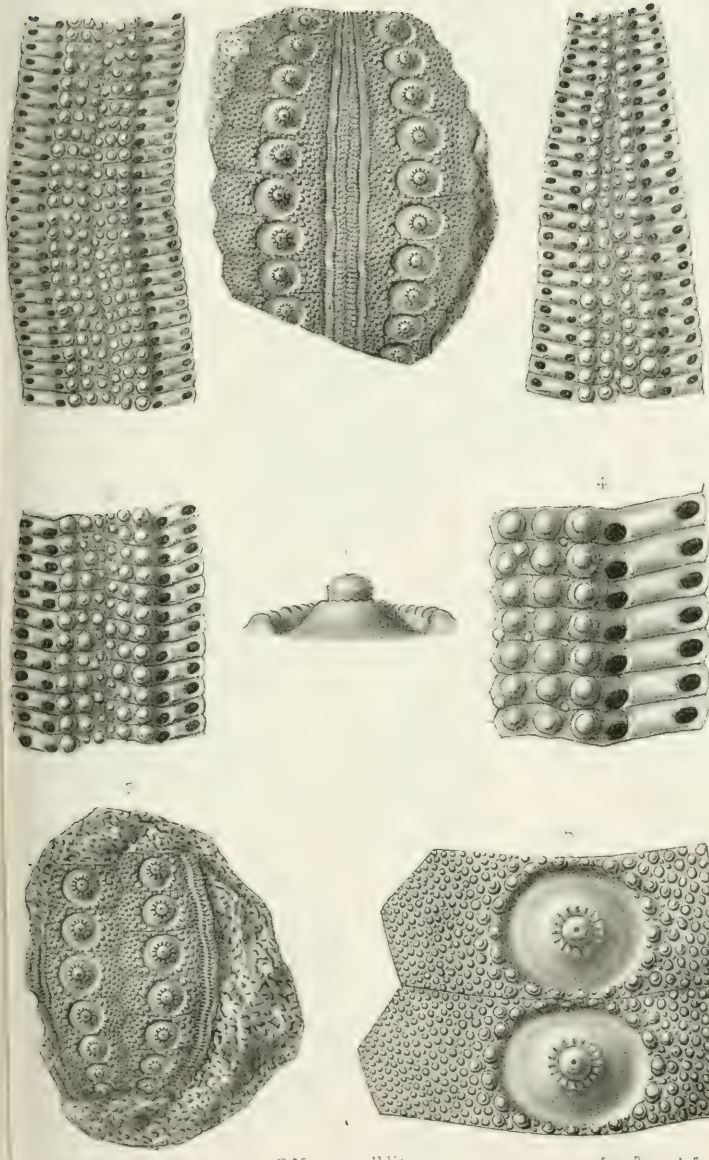


Humbert del. et lith. G. Masson, Editeur Imp. Becquet, Paris

Cidaris sublævis, Cotteau. Bathonien

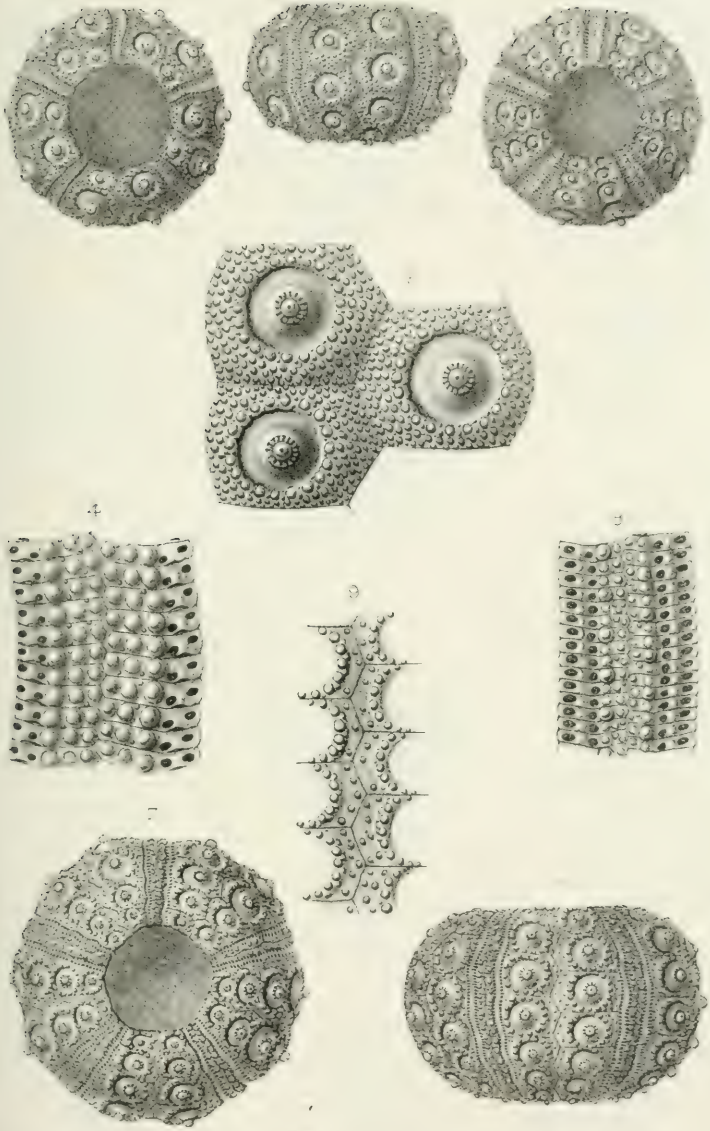


1_5 *Cidaris Desori*, Cotteau. Bathonien.
6_12 ——— *Guerangeri*, Cotteau ———



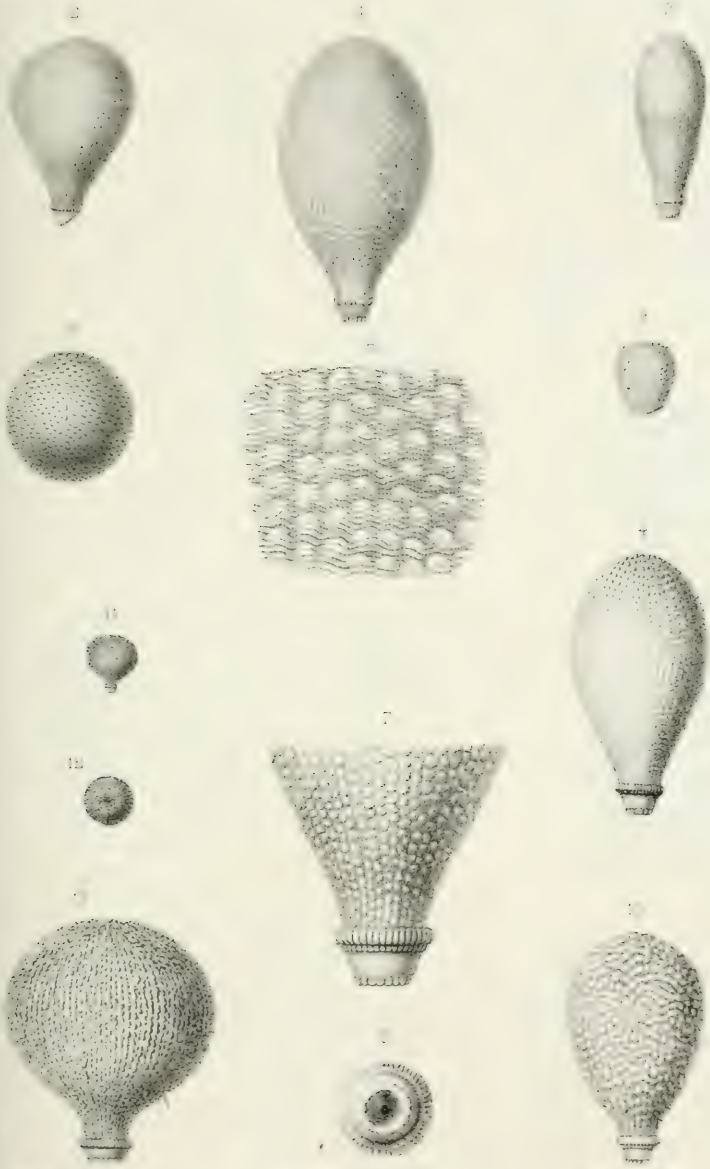
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet. Paris

Cidaris Blainvillei, Desmarets. Bathonien



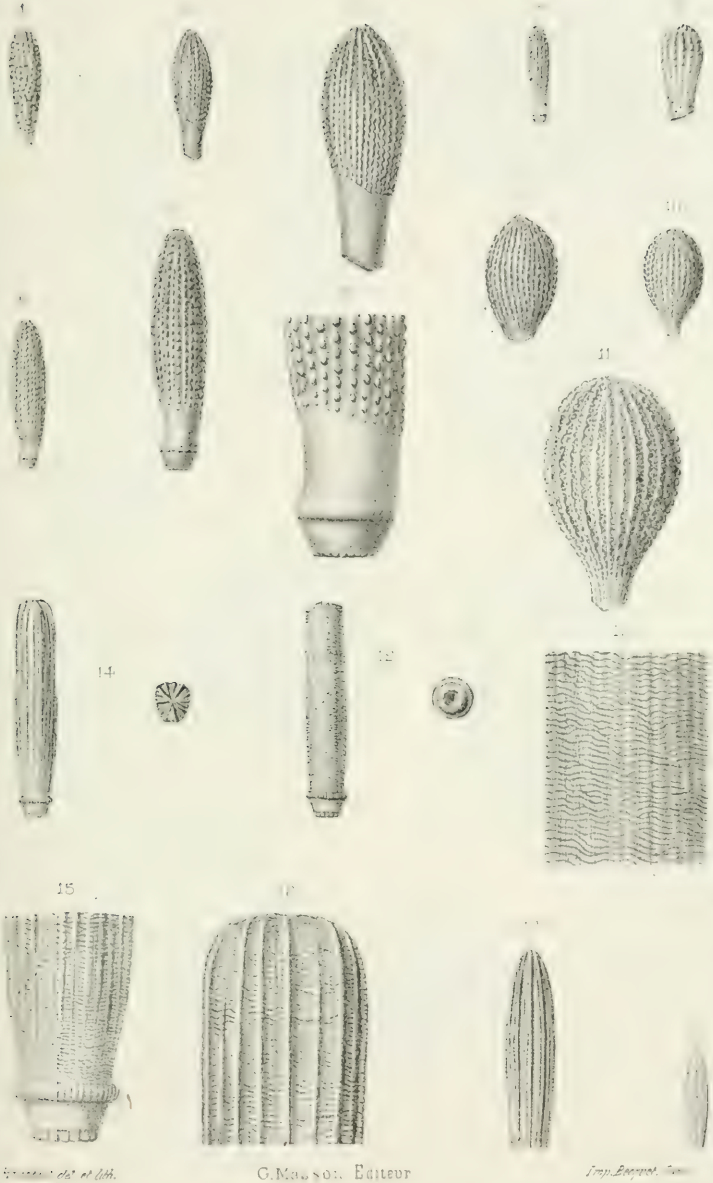
Humbert del. et lith. Masson Editeur Imp. Lecquet Paris

1_5 *Cidaris Langrunensis*, Cotteau. Bathonien
6_9 ——— *microstoma*, Cotteau ———



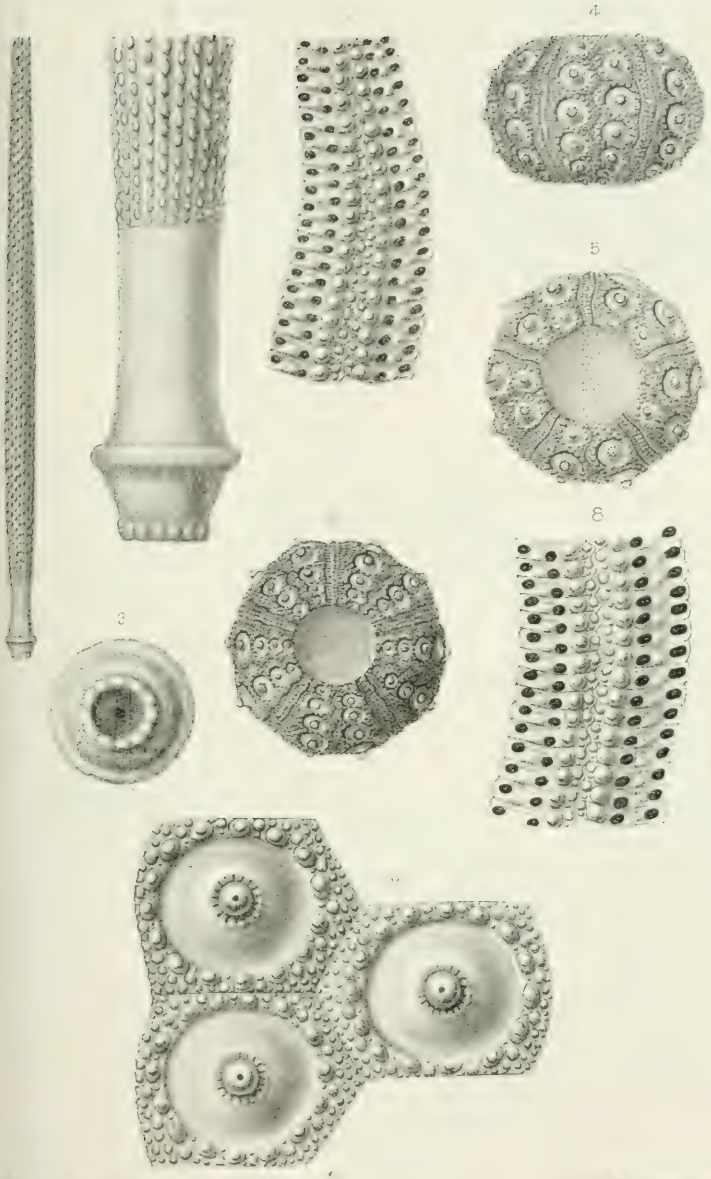
Humbert del. et lith. G. Masson Éditeur. Imp. Becquet. Paris.

1_10. *Cidaris meandrina*. Agassiz. Bathonien
11_13. ——— *Julii*, Cotteau. ———



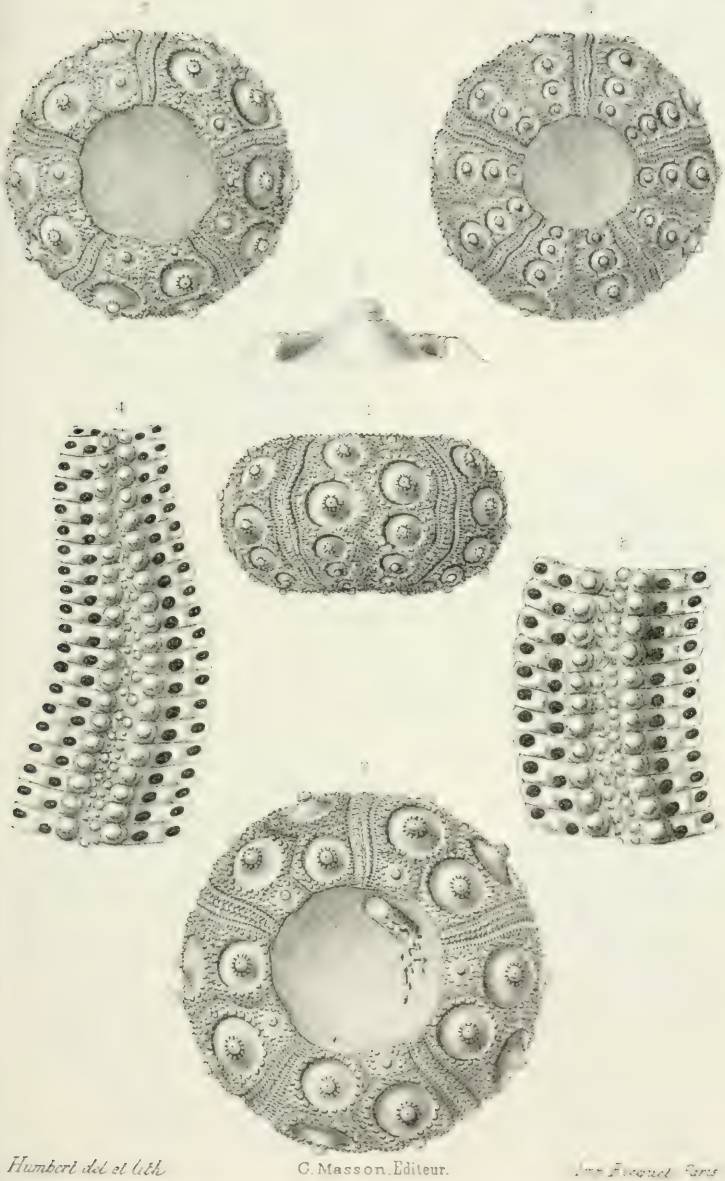
Gravé et lith. G. Masson, Editeur Imp. Becquet, Paris

1_8. *Cidaris Davousliana*, Cotteau Bathonien.
9_11. ——— *episcopalis*. Cotteau ———
12_18. ——— *Kaechlini*. Cotteau. ———



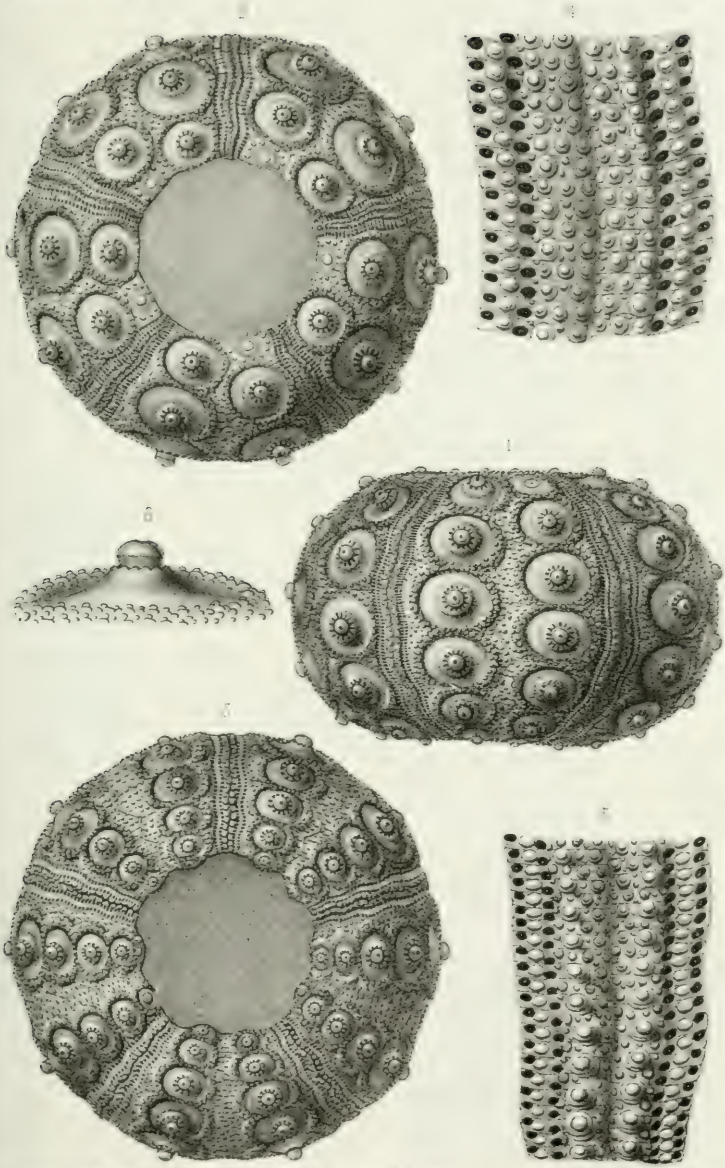
Imp. Becquet Paris

1–3 *Cidaris Cellensis*, Wimmer-Chalmas. Bathonien.
4–9. ___ *Desnoyersi*, Cotteau. Callovien.



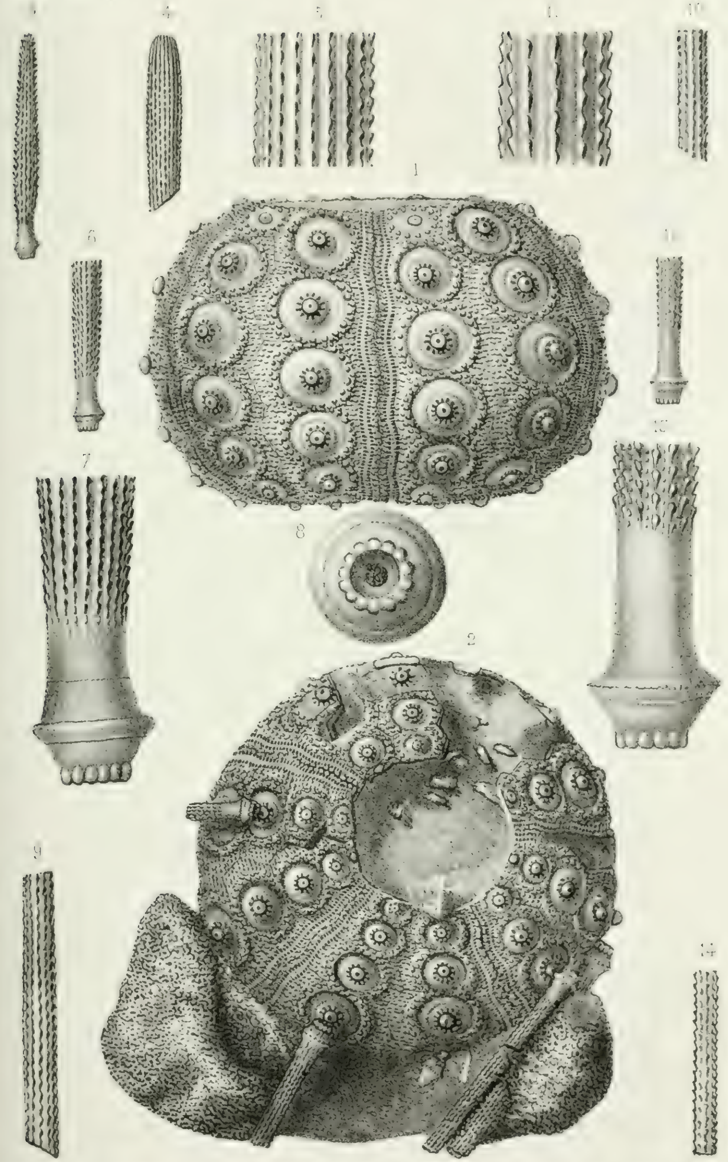
Humbert del et lith. C. Masson. Editeur. Imp. Becquet Paris

Cidaris Blumenbachi, Agassiz. Oxfordien.



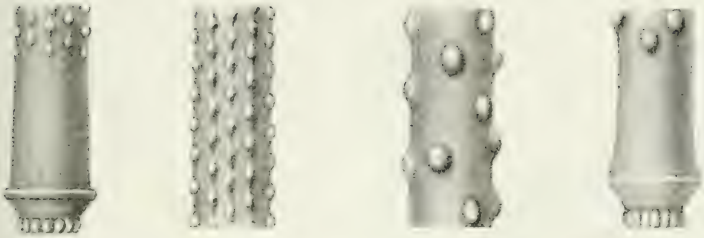
Lambert del et lith. G. Masson Éditeur Imp. Becquet Paris

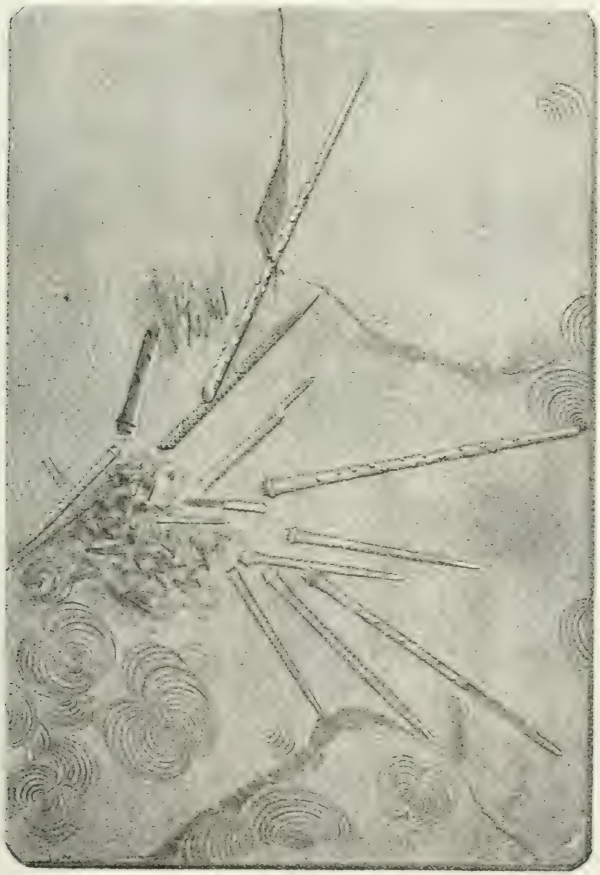
Cidaris Blumenbachi Munster. Corallien.



Humbert del. et lith. G. Masson, Éditeur Imp. Becquet Paris

Cidaris Blumenbachi, Munster. Corallien.

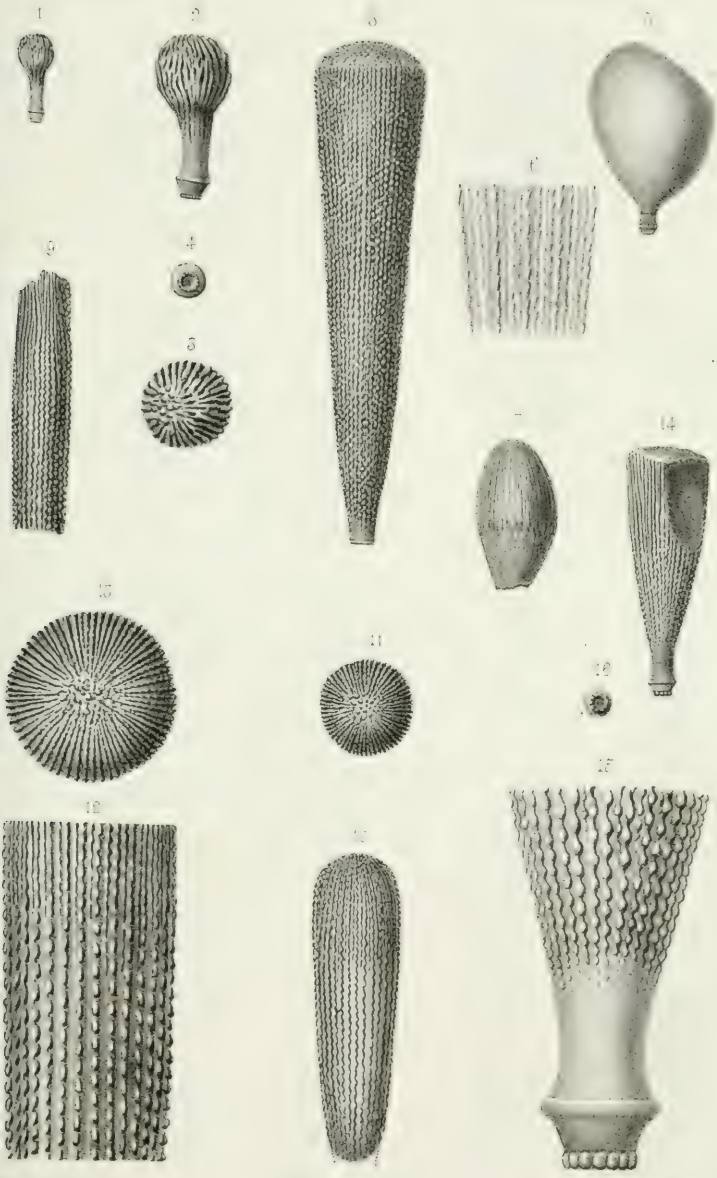




Humbert del. et lith. G. Masson, Editeur

Cidaris variegata, Cotteau. Gallovien

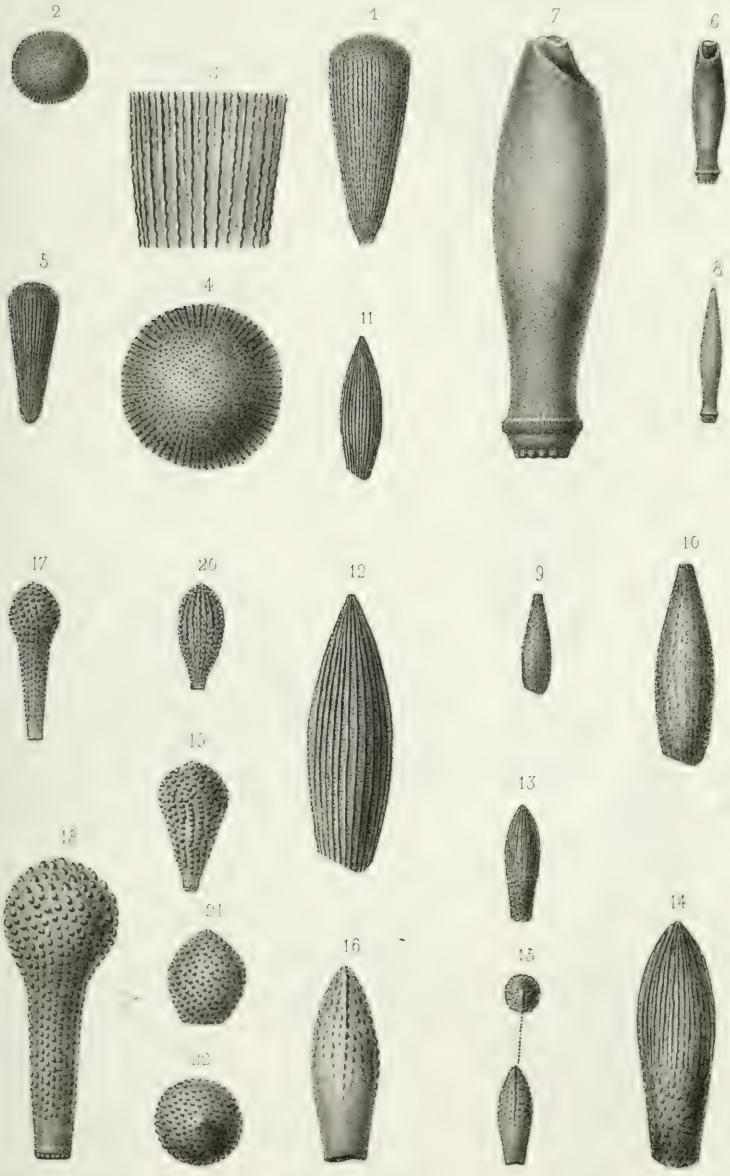
T. Jurassique. Échinides VI (VI)



Humbert del. et lith G. Masson, Editeur. *Imp. Becquet Frères*

1–4. Cidaris Munieri, Cotteau. Bajocien.
5–7. C.____ calloviensis, Cotteau. Callovien.
8–16. C.____ filograna, Agassiz. Oxfordien.

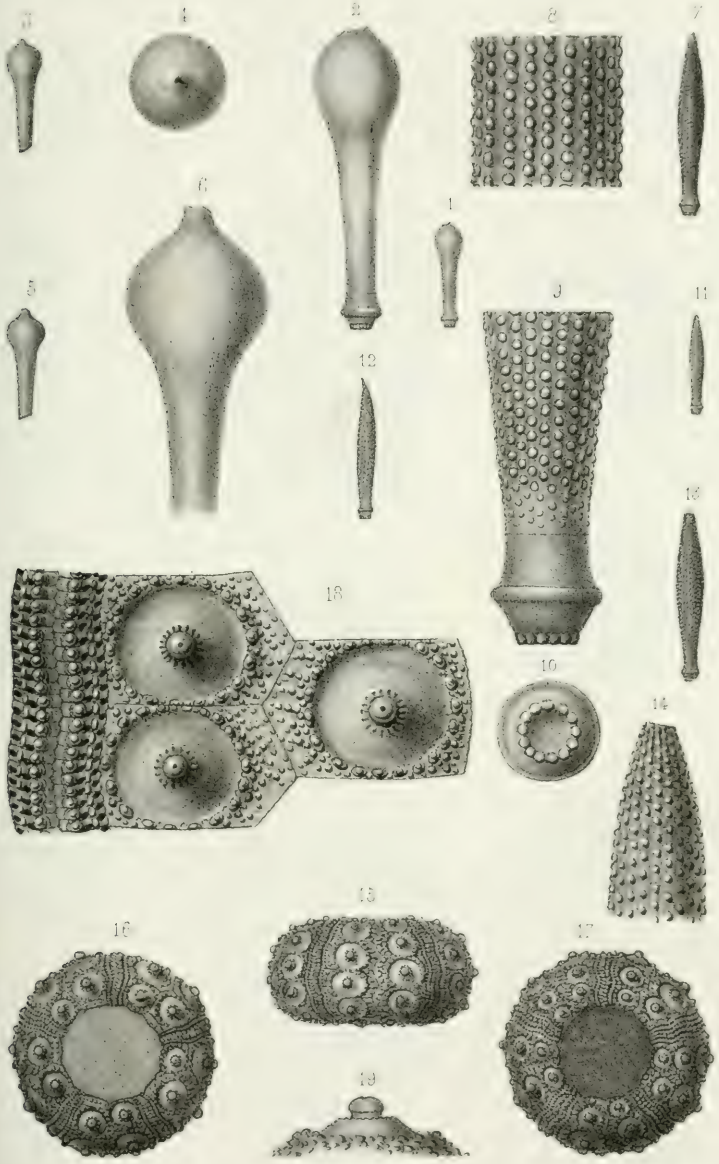
T. Jurassique. Echinides. Pl. 171



Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

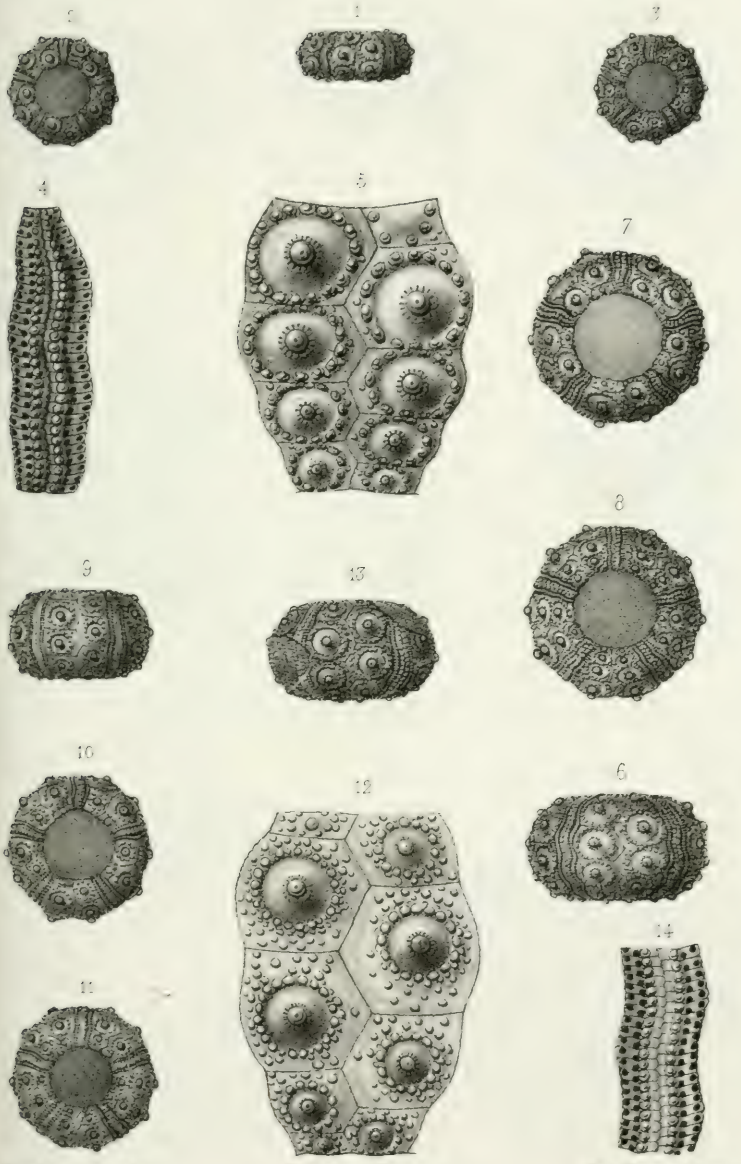
1 – 5. Cidaris filograna, Agassiz. Bathonien
6 – 16. C. ____ Schloenbachi, Desor. Oxfordien.
17 – 22. C. ____ pilum, Michelin. Oxfordien.

T. Jurassique. Echinides. Pl. 172



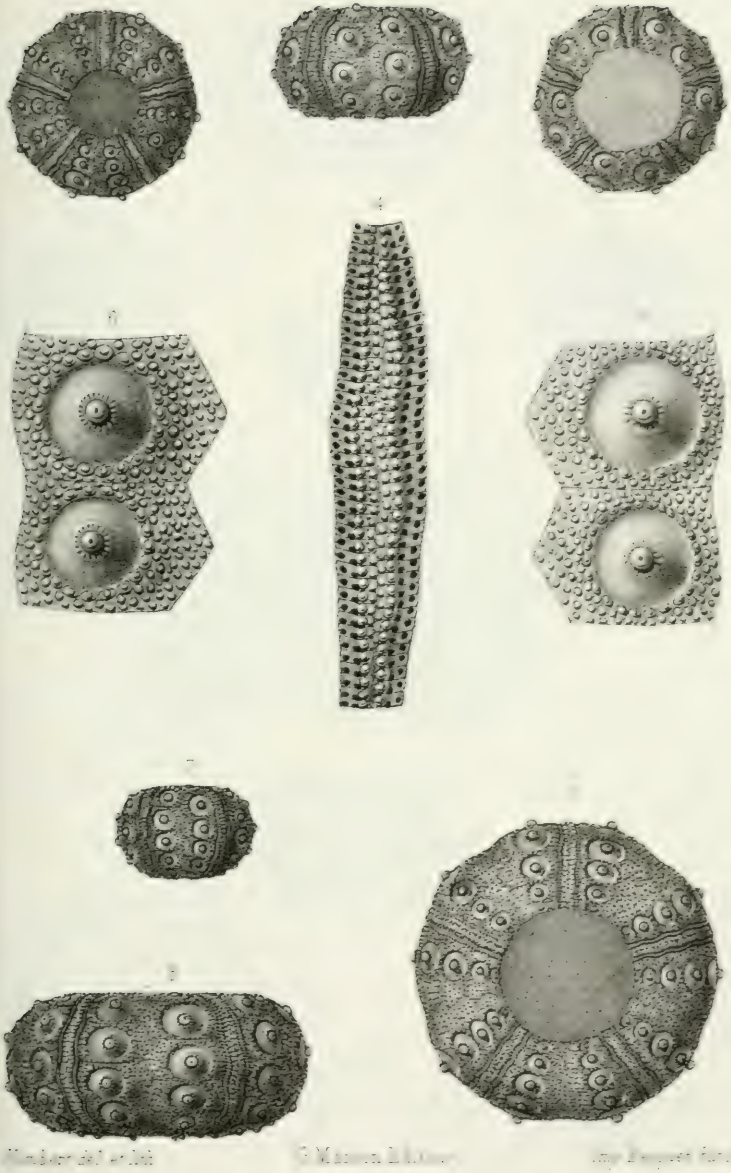
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris

1_6. *Cidaris Marioni*, Gauthier. Oxfordien.
7_14. *C.____ Chalmasi*, Cotteau. Oxfordien.
15_19. *C.____ Matheyi*, Desor. Oxfordien.

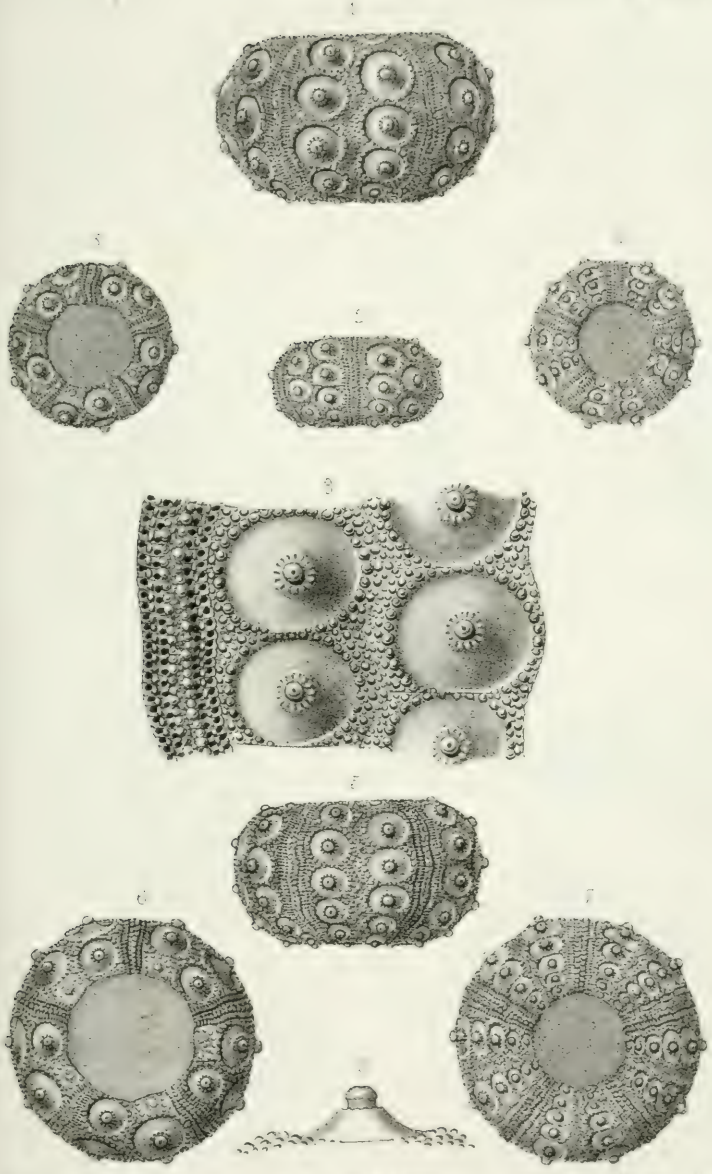


Humbert del. et lith. G. Masson Editeur Imp. Becquet Paris

1 – 8. *Cidaris Matheyi*, Desor. Oxfordien.
9 – 14. *C.* ——— *elegans*, Goldf. Oxfordien.

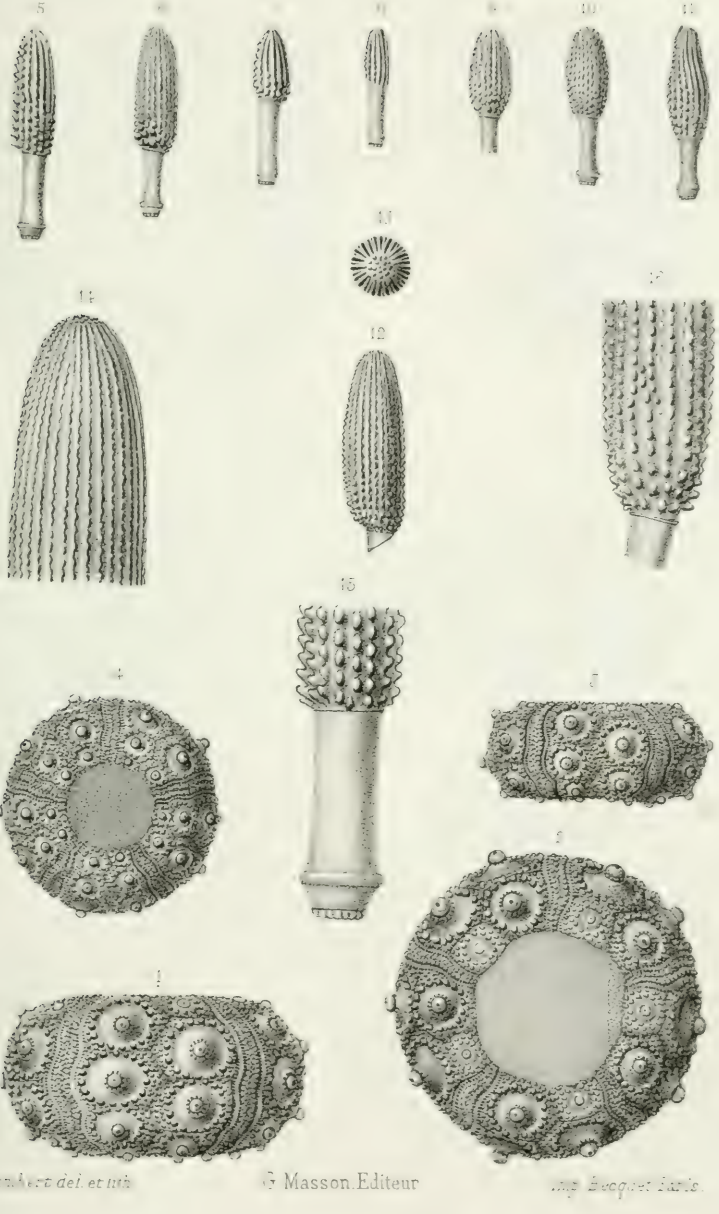


Cidaris lævinscula Agassiz Oxfordien.



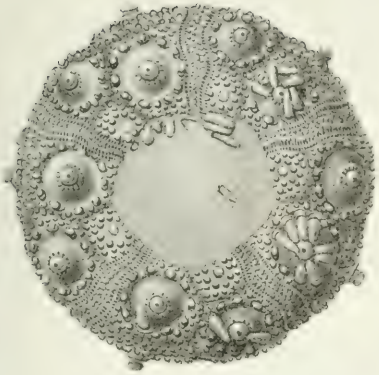
Humbert del. et lith. G. Masson Editeur Imp. Becquet Paris

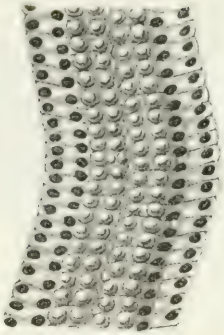
Cidaris alpina, Cotteau. Oxfordien.

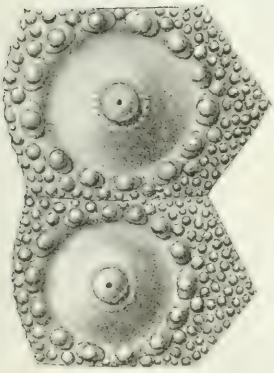


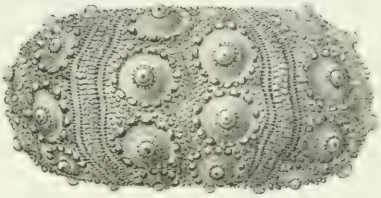
Humbert del. et lith. G. Masson. Editeur Imp. Becquet Paris.

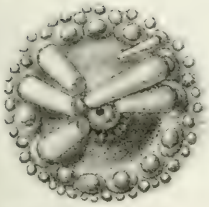
Cidaris coronata, Goldfuss Oxfordien.

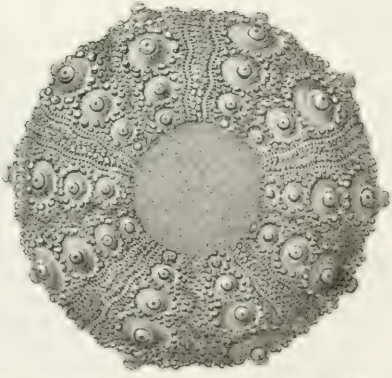




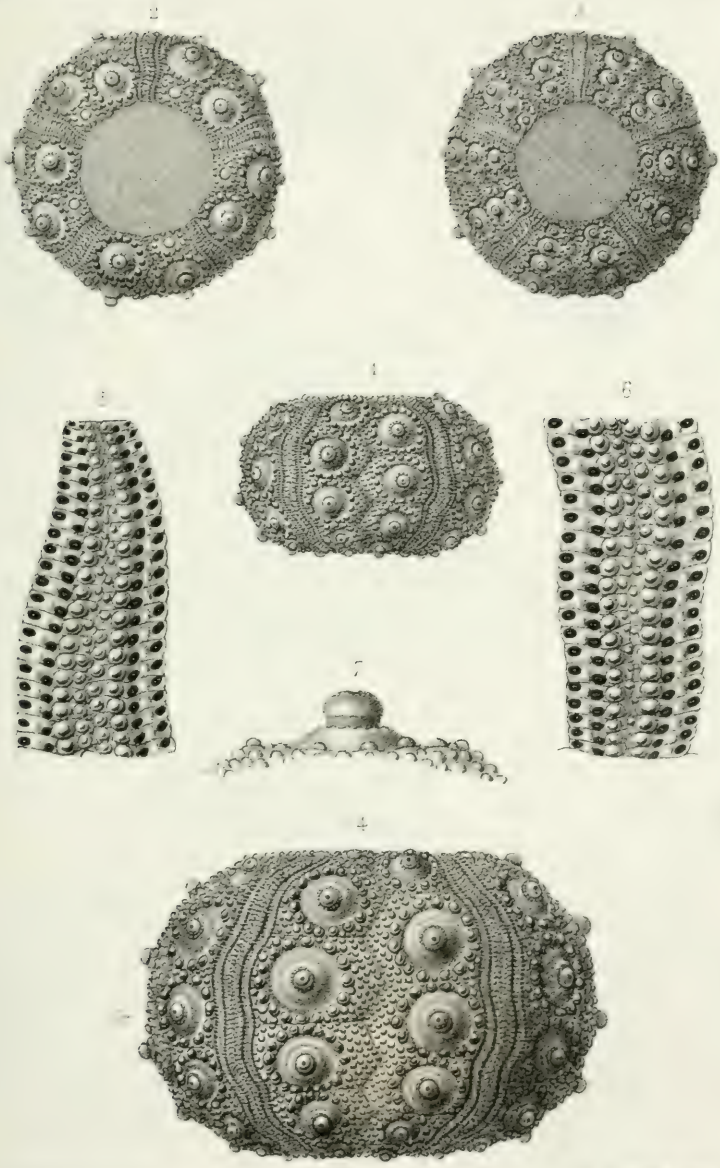






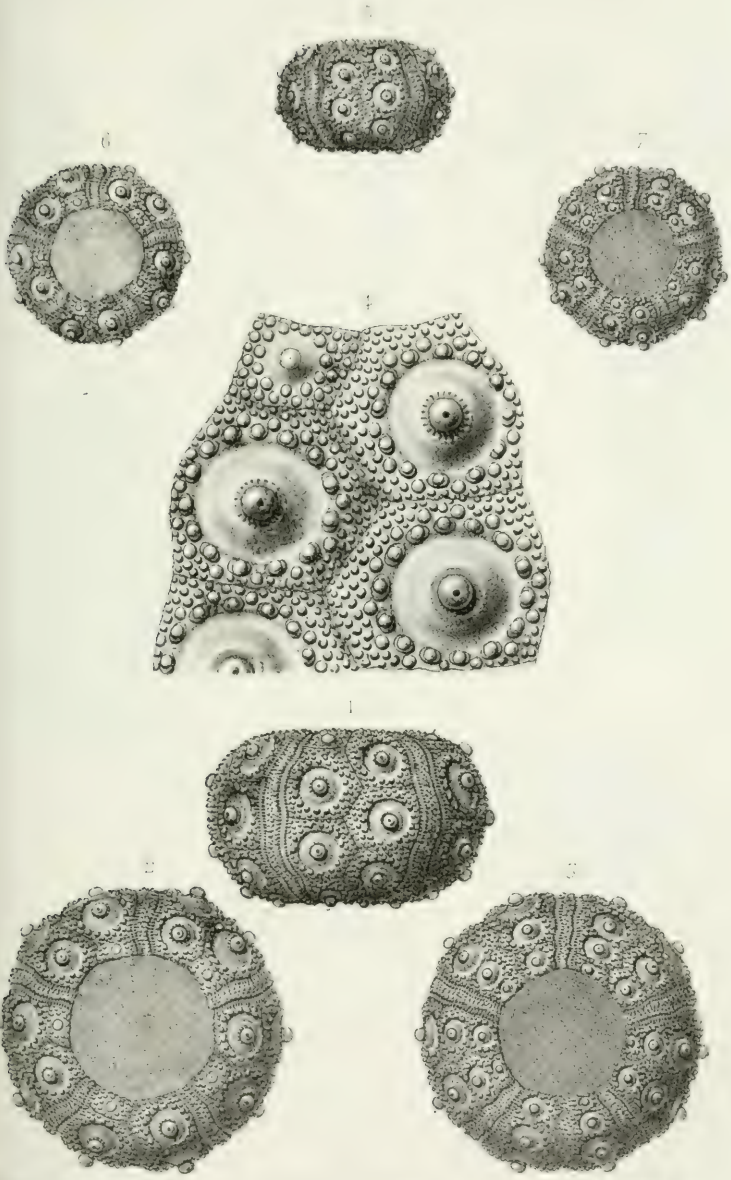


Cidaris coronata, Goldfuss Corallien.



Humbert del. et lith. G. Masson, Editeur. Imp. Becquet [illegible]

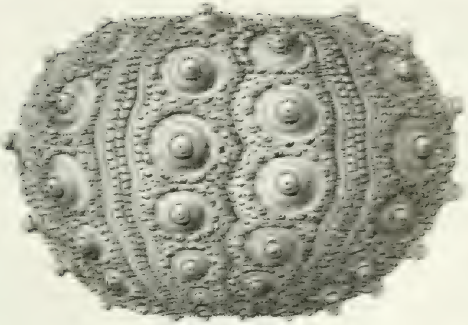
Cidaris cervicalis, Agassiz. Corallien.



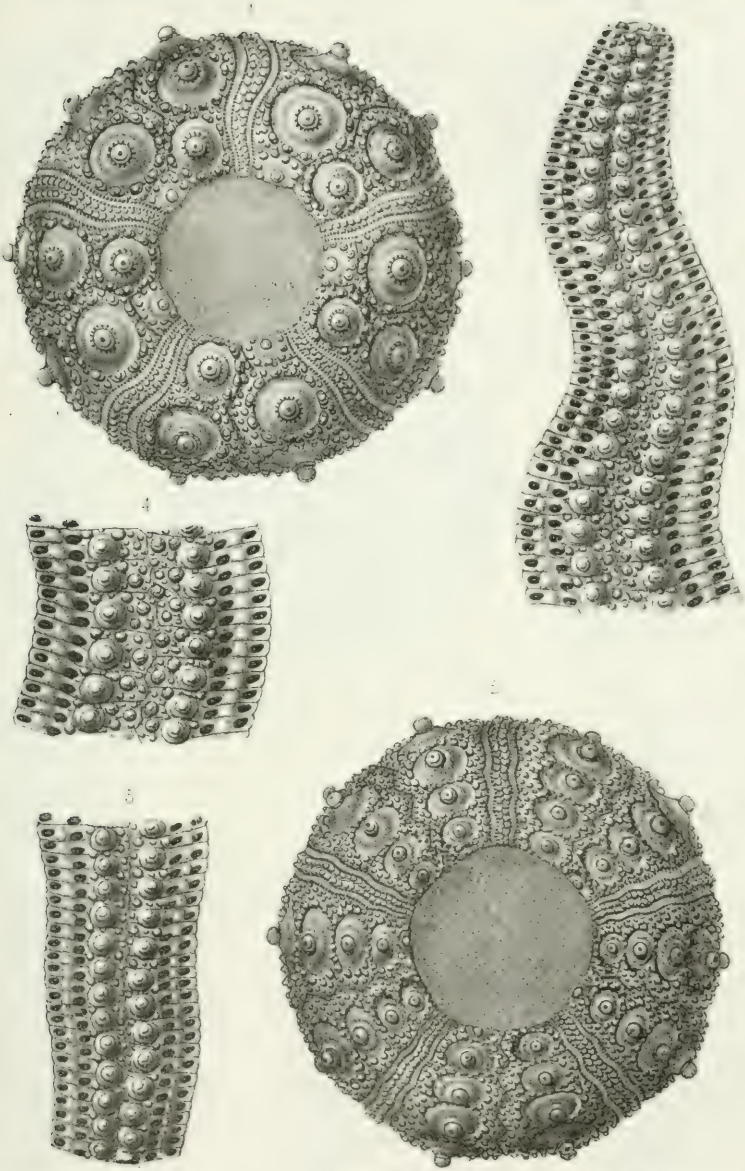
Humbert del.et lith. G.Masson.Edit.

Cidaris cervicalis, Agassiz. Corallien.

Cidaris cervicalis, *Agassiz*. *Corallien*.

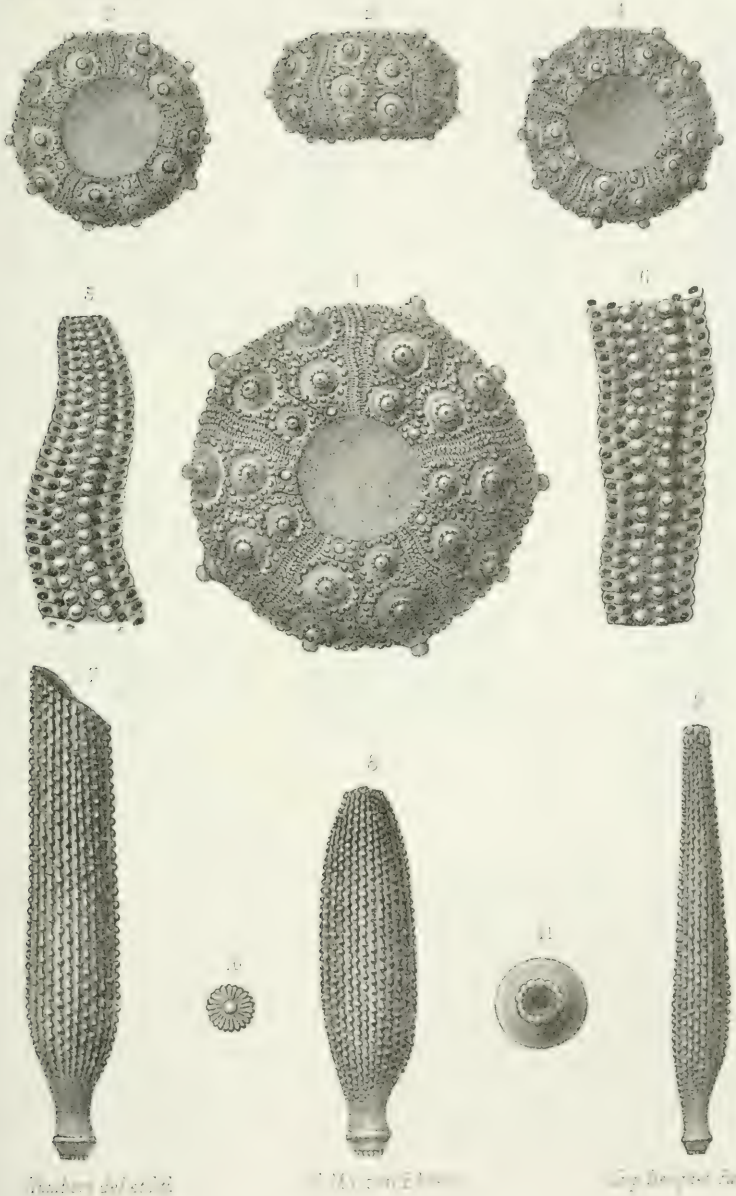


Cidaris florigemma, Phillips. Coralline Oolite.

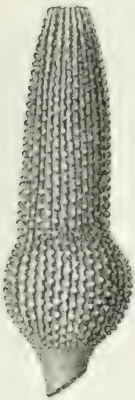


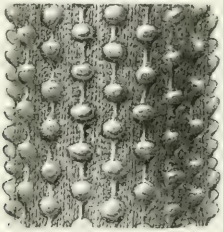
Humbert del. et lith. — G. Masson Editeur

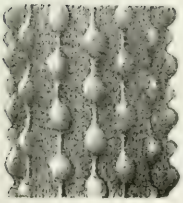
Cidaris florigemma, Phillips. Corallien inf.

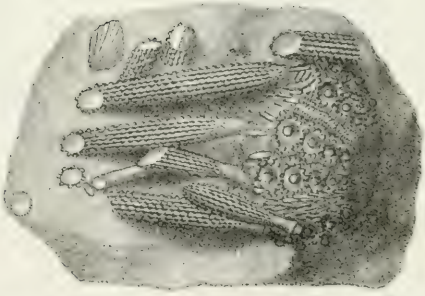


Cidaris florigemma. Phillips. Corallien inf.





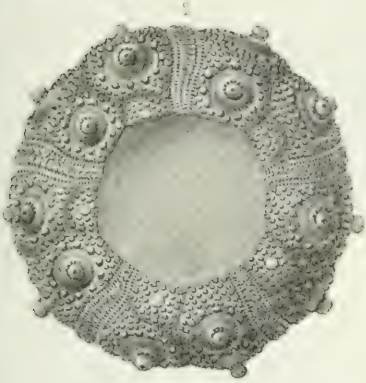


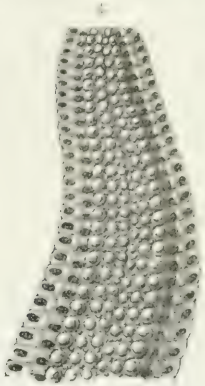


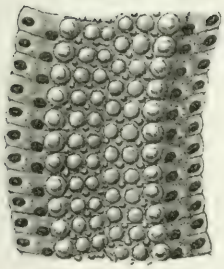
Humbert del. et lith. © Masson, Éditeur Imp. Becquet Paris

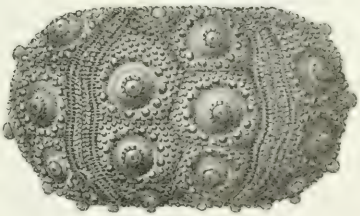
Cidaris florigemma, *Phillips*. *Corallien inf. et sup.*

T. Jurassique. Echinides Pl. 185



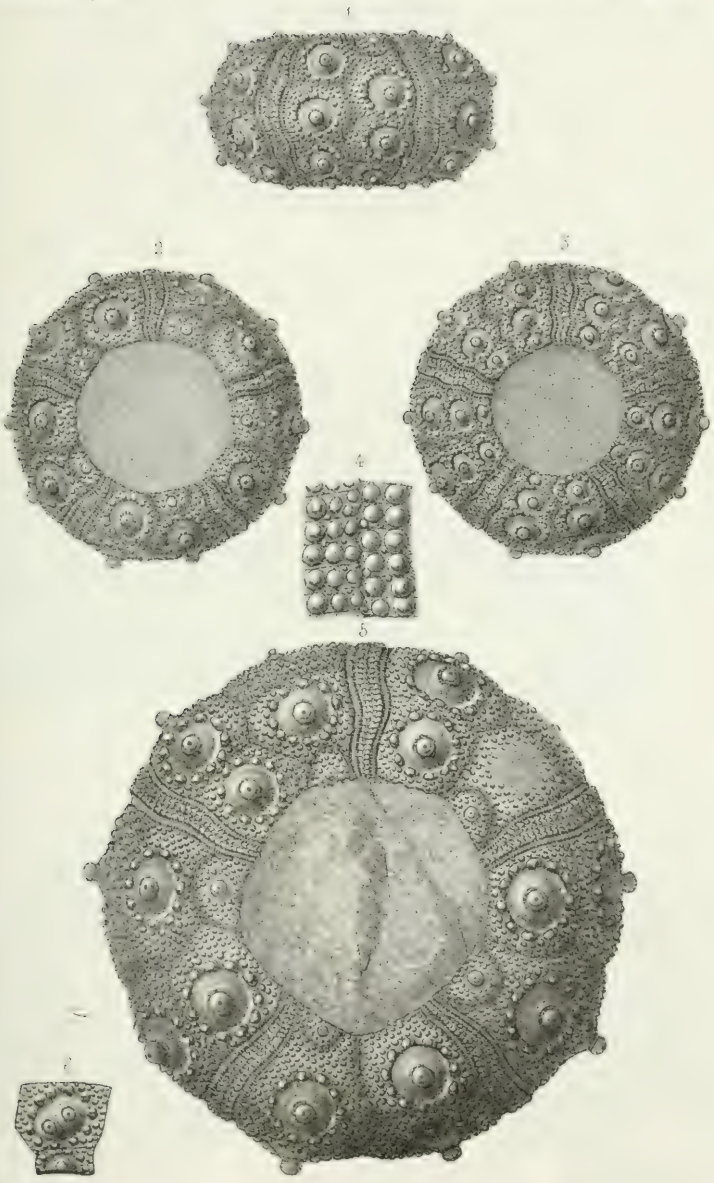






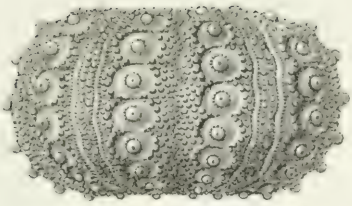
Humbert del. et lith. G Masson, Éditeur. *Imp. Lemercier Paris*

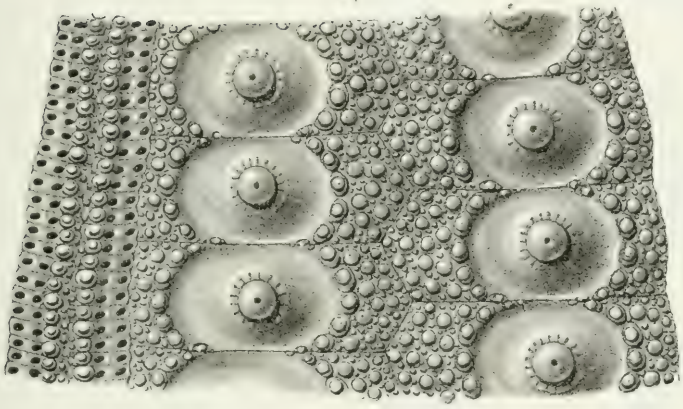
Cidaris monilifera, Goldfuss. Corallien inf.

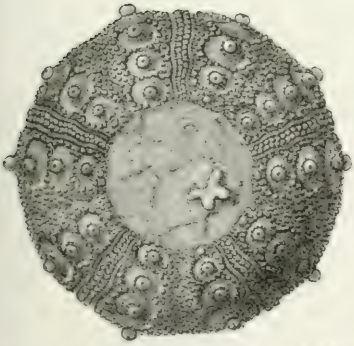


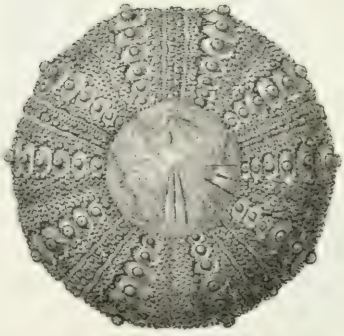
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

Cidaris monilifera, Goldfuss. Corallien inf.

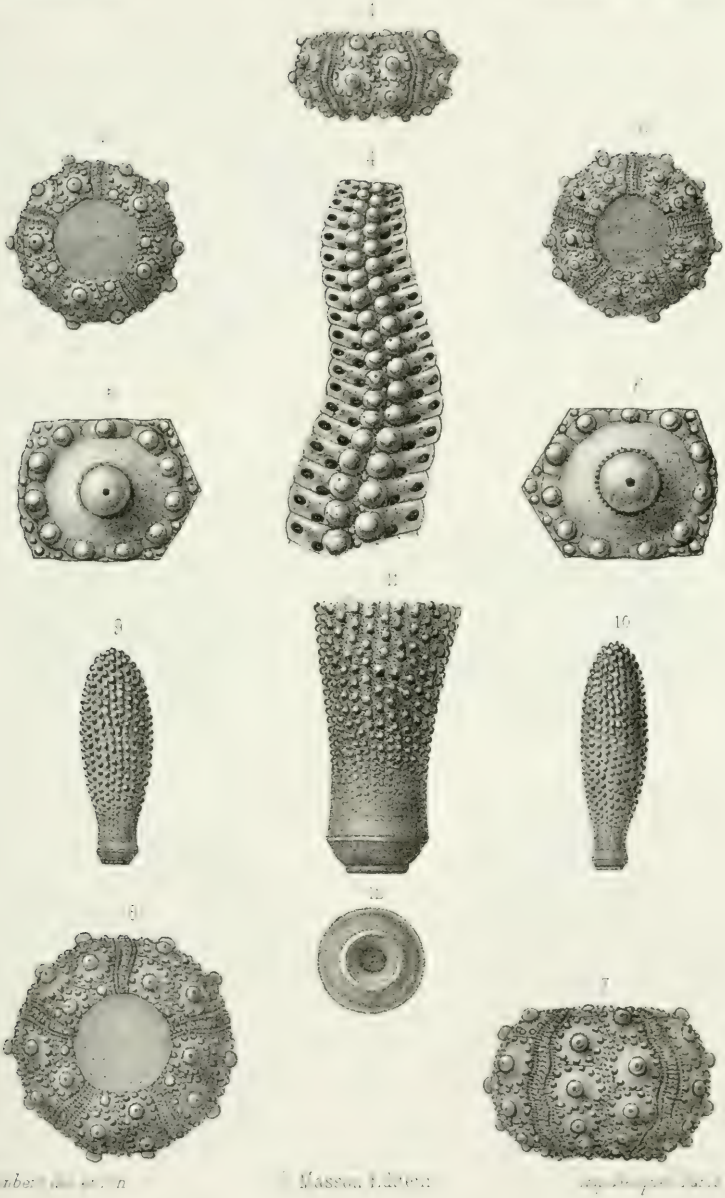




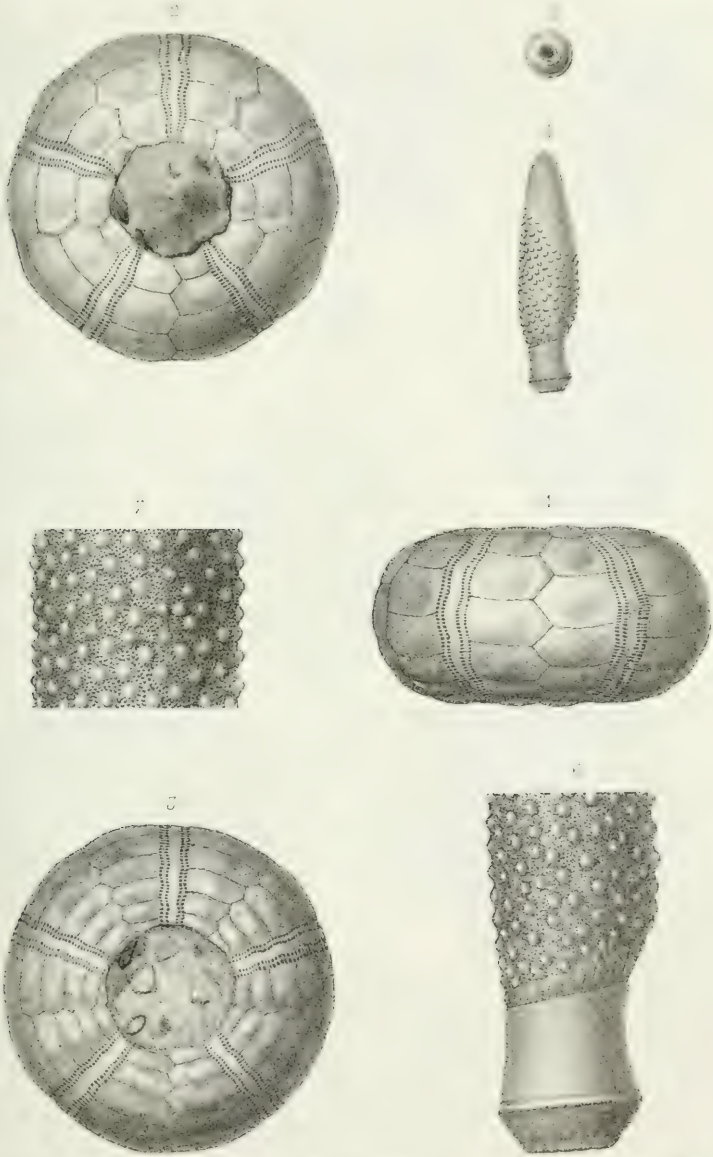




Cidaris Trouvillensis, Calleux Corallien.

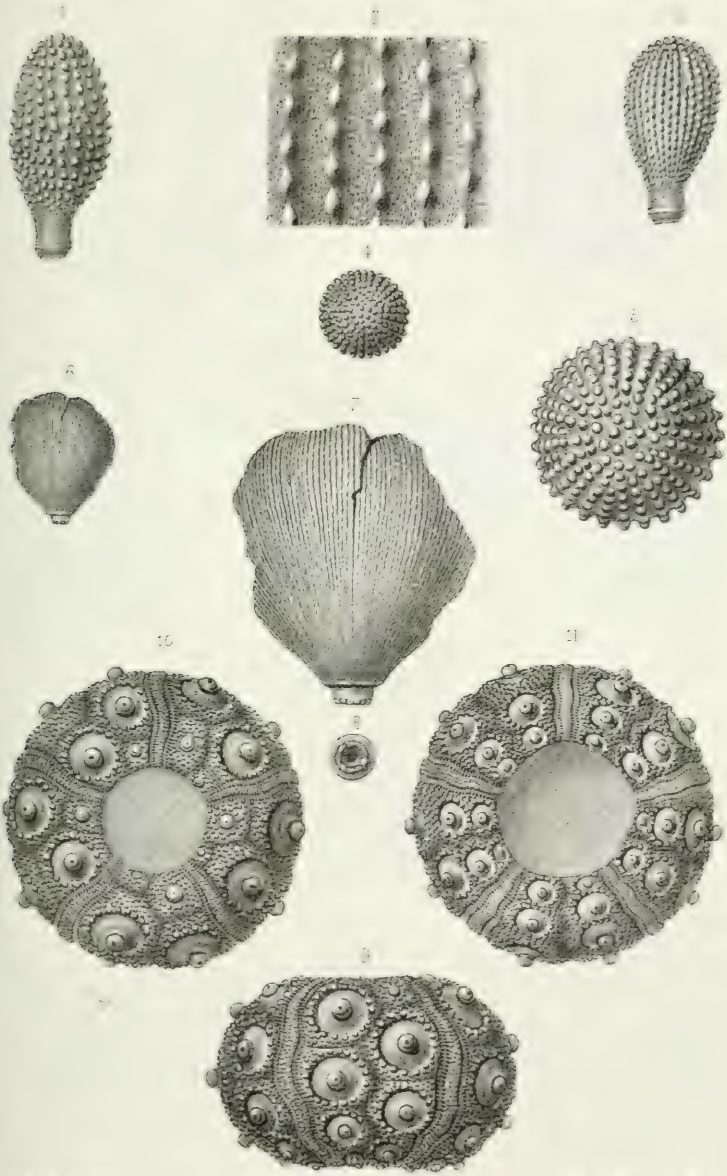


Cidaris propinqua, Munster. Corallien.



Humbert del. et lith.

1–3. *Cidaris silicea*, Cotteau. Corallien inf.
4–7. C. —— *granulata* Cotteau.

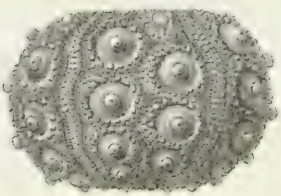


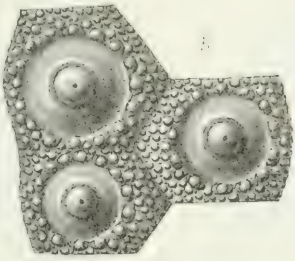
G. Masson Éditeur

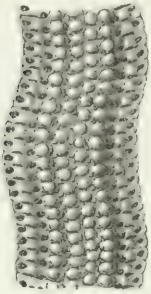
1 _ 5. Cidaris Icaunensis, Cotteau. Corallien inf.

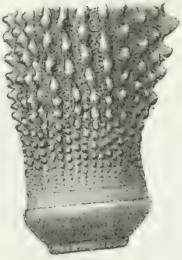
6 _ 8. C.____ Guirandi, Cotteau. Corallien sup.

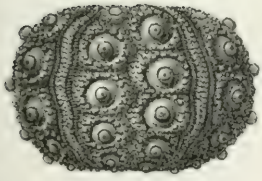
9 _ 11. C.____ marginata, Cotteau.

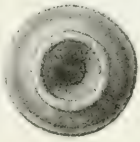


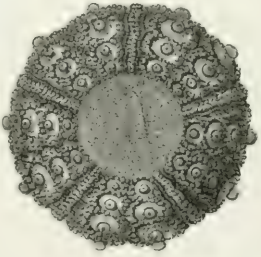








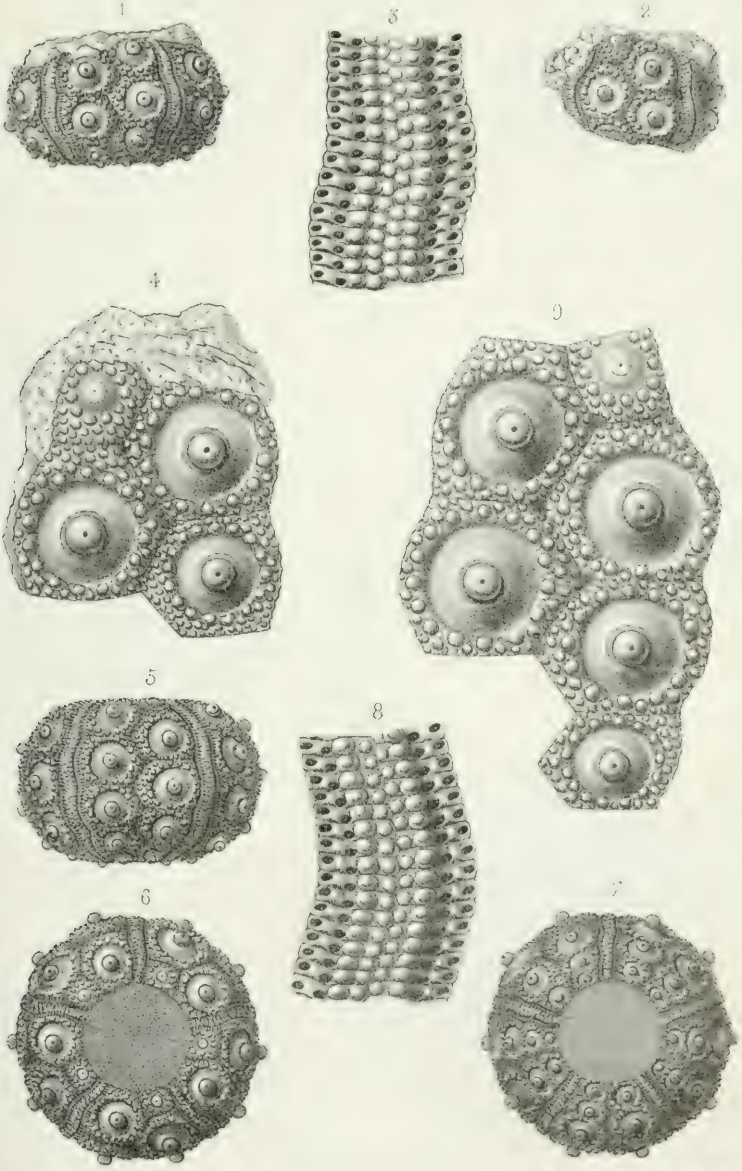




Humbert del. et lith. G. Masson. Editeur. *Imp. Becquet, Paris.*

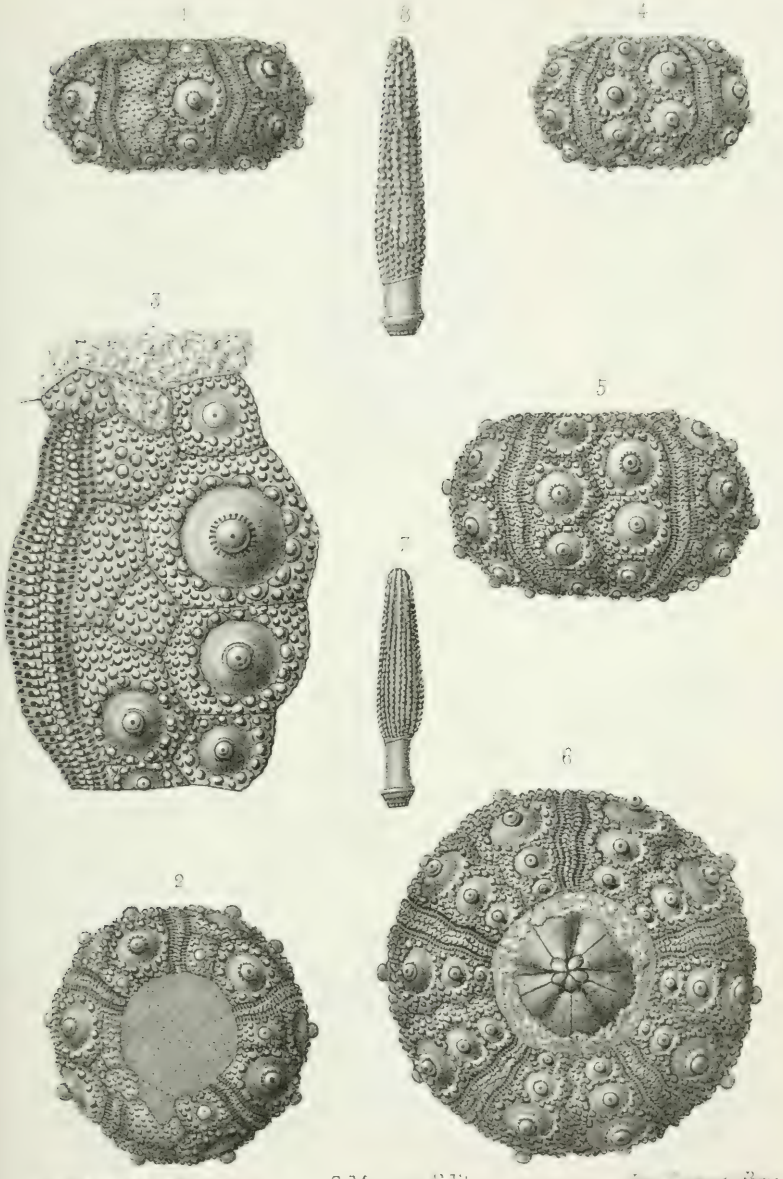
Cidaris marginata, Goldfuss. Corallien sup.

T. Jurassique. Echinides. Pl. 192.



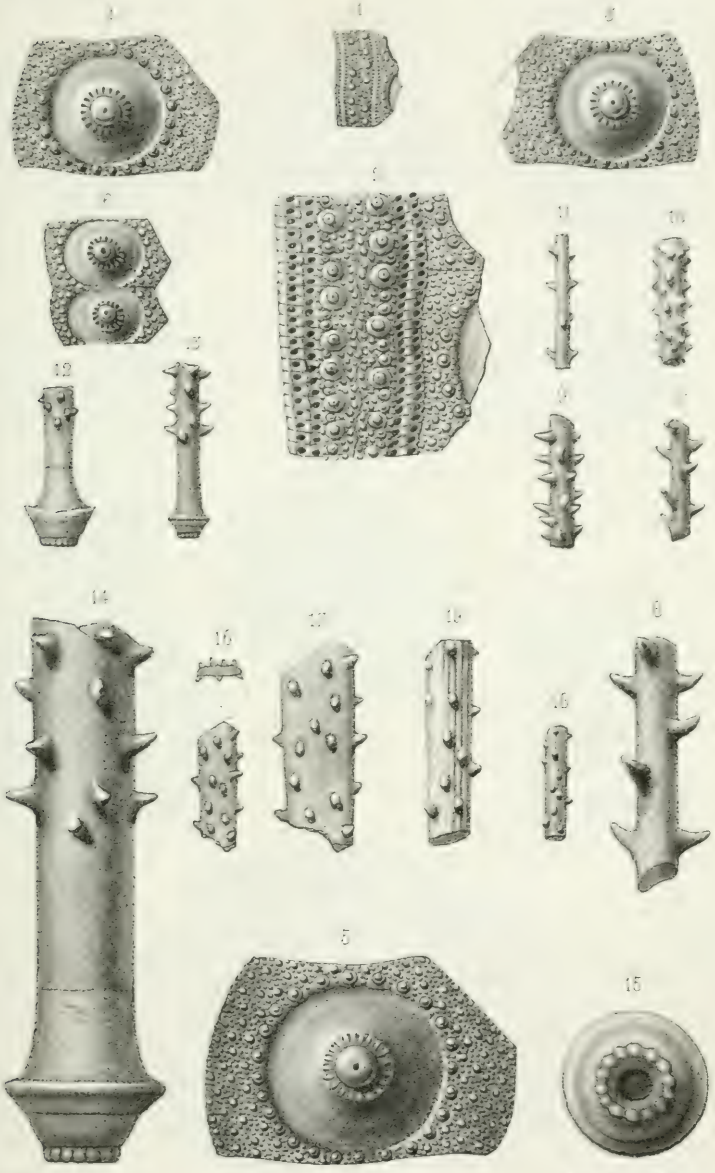
Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

Cidaris marginata, Goldfuss. Corallien sup. et Kimmeridgien.



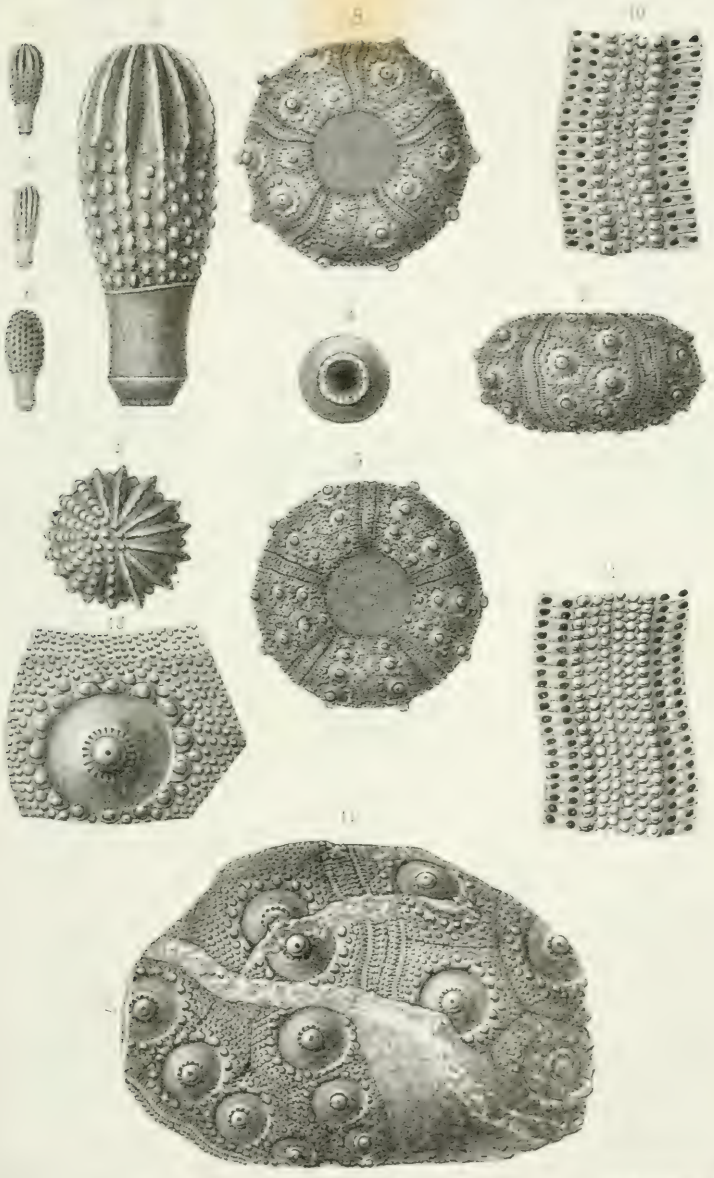
G. Masson Editeur

Cidaris cervicalis, Agassiz. Oxfordien et Corallien.



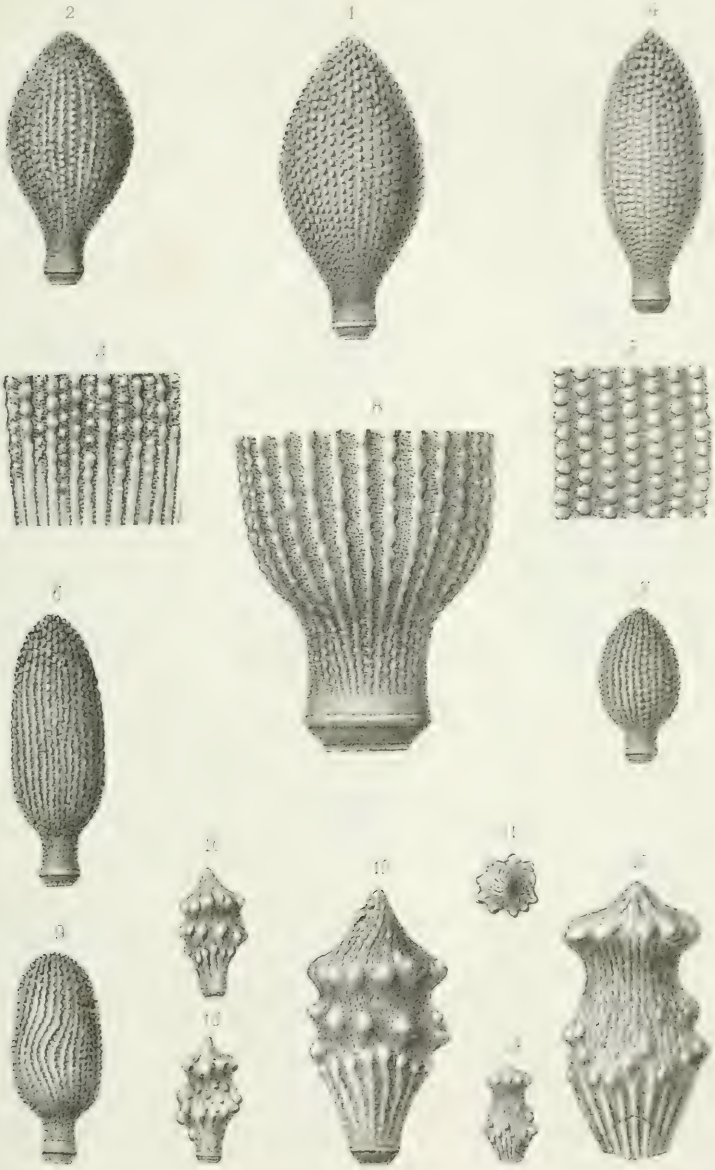
G. Masson Editeur.

Cidaris spinosa. Agassiz. Oxfordien.



Humbert del. et lith.

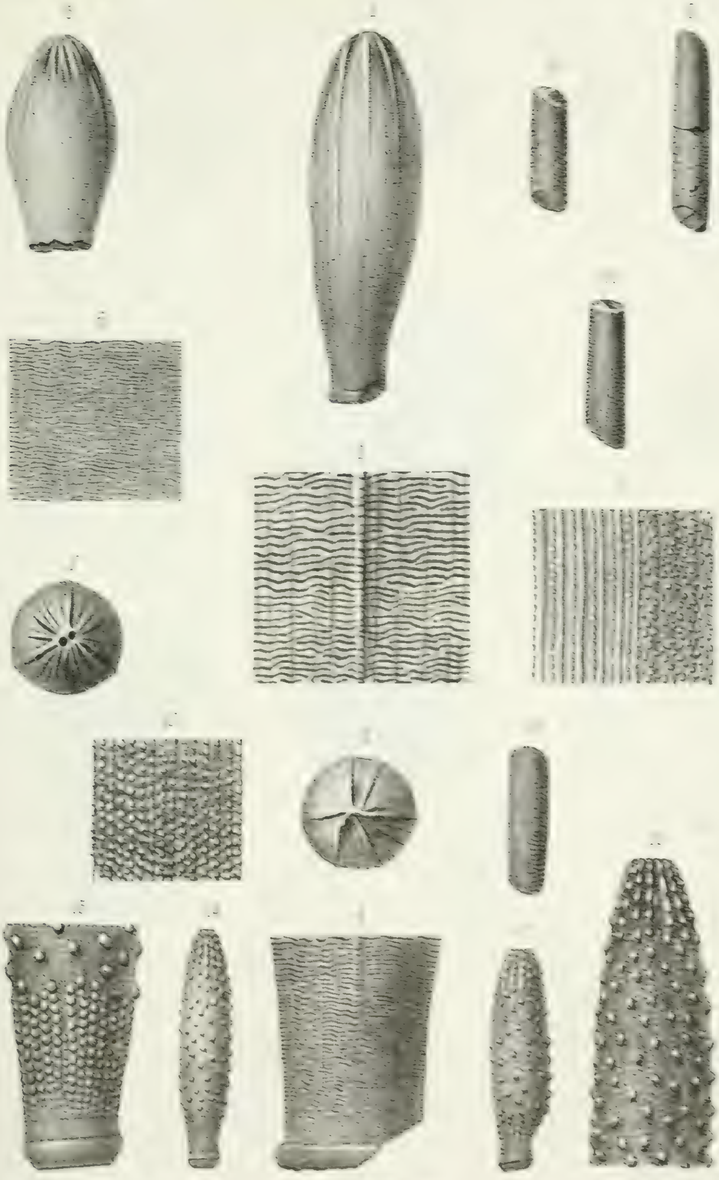
1 – 6. Cidaris Valfinensis, Cotteau. Corallien
7 – 13. C.____ glandifera, Goldfuss. ____



Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

1–9. *Cidaris glandifera* Goldfuss Corallien

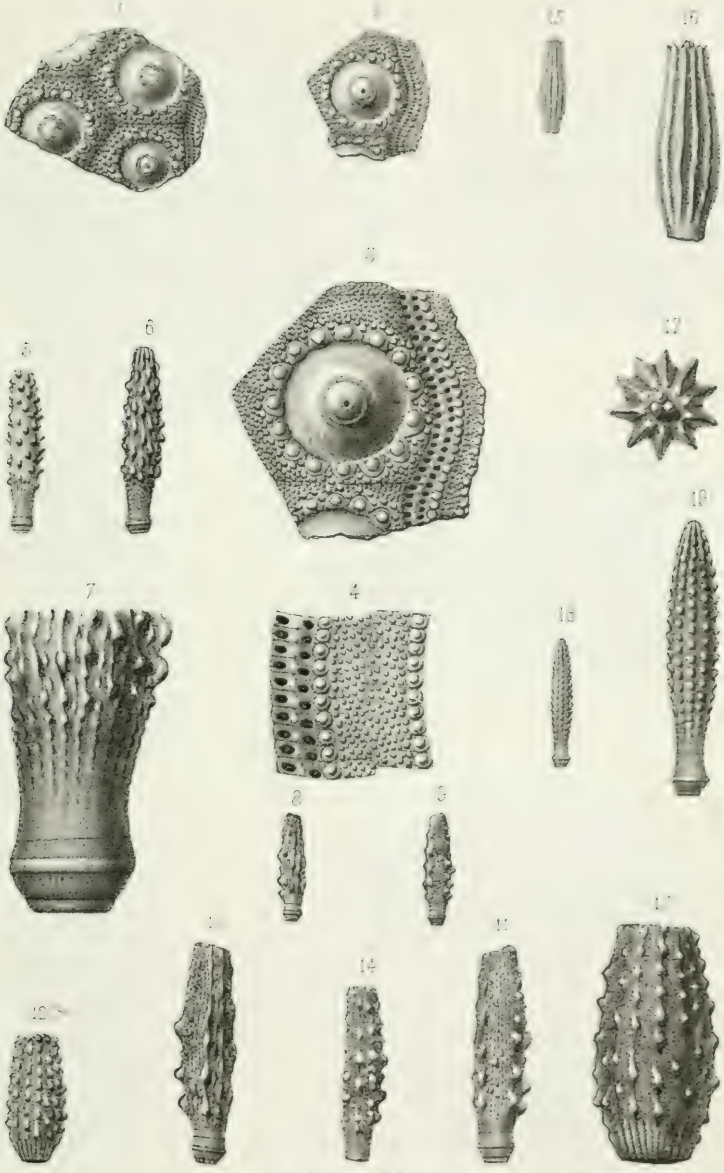
10–15. C. ——— *Pilleti*, de Loriol. ———



1 _ 7 Cidaris carinifera. Agassiz. Corallien sup.

8 _ 13 C. _____ lineata. Cotteau. Corallien.

14 _ 17 C. _____ acrolineata. Cotteau. Corallien sup.



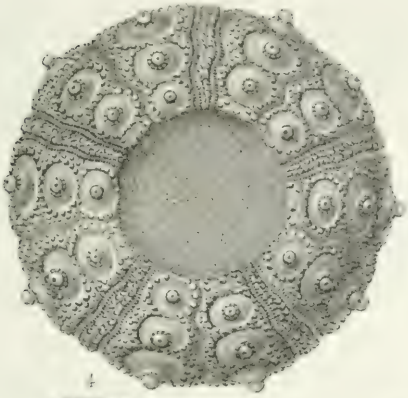
Humbert del. et lith. Imp. Becquet

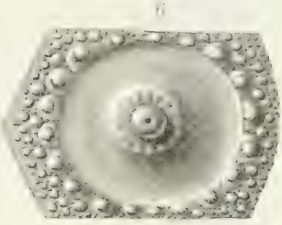
1–4. *Cidaris millepunctata*, Gauthier. Corallien sup.

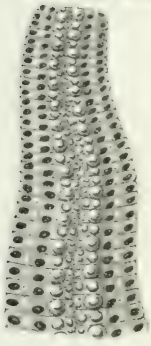
5–14. C. ——— *platyspina*, ———

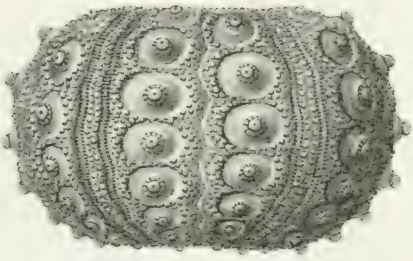
15–17. C. ——— *Normanna*, Cotteau. Kimmeridgien

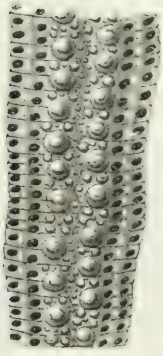
18–19. C. ——— *Ducreti*, de Loriol. ———

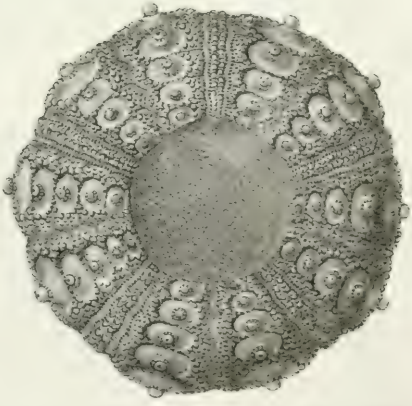






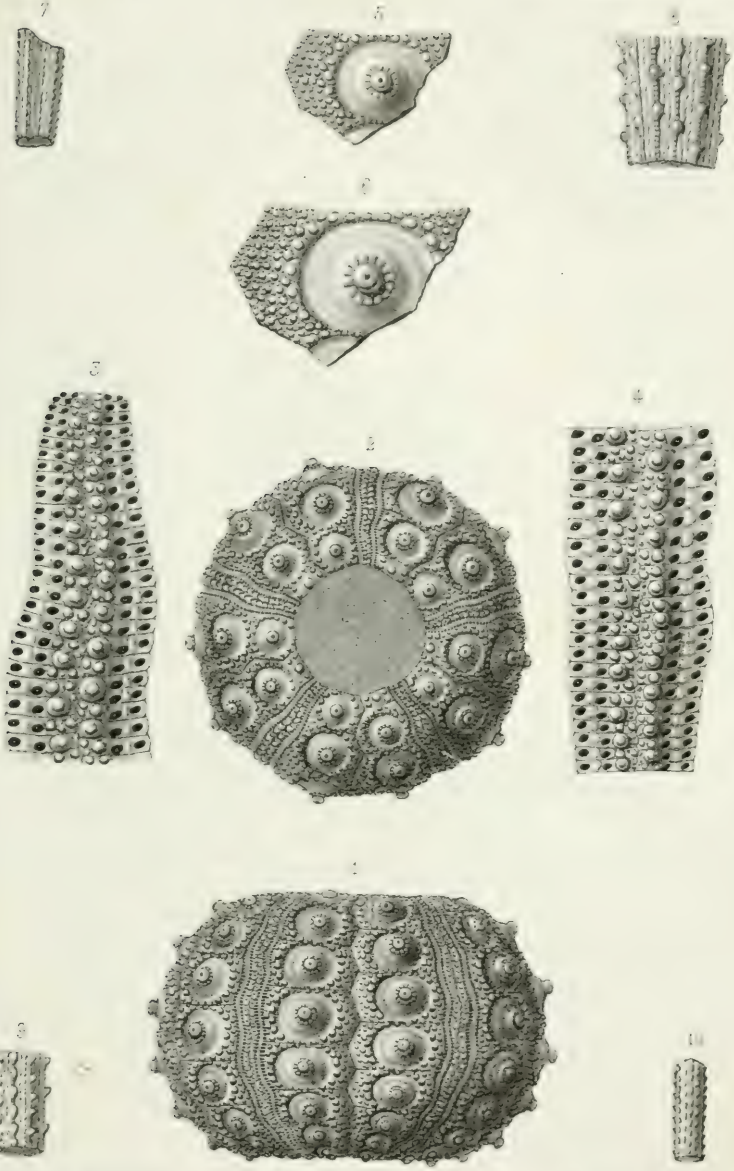






Humbert del. et lith. G. Masson, Editeur. *Imp. Bacquet, Paris*

Cidaris Poucheti, *Desor. Kimmeridgien.*

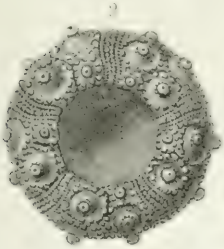


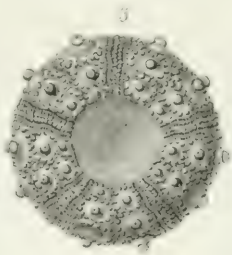
Humbert del. et lith. — © Masson Editeur — Imp. Becquet, Paris.

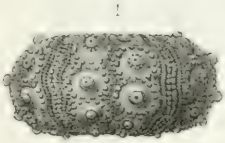
1 – 4. *Cidaris Poucheti*, Desor. Kimmeridgien

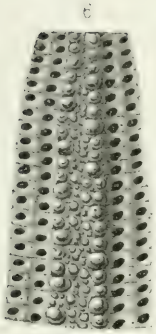
5 – 10. *C.* ____ *Beneniensis*, Wright

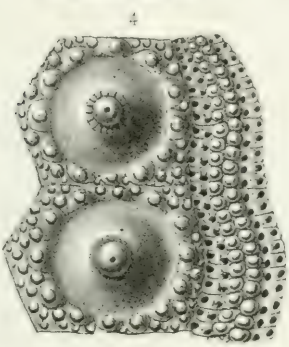
T. Jurassique. Echinides. PL. 201.

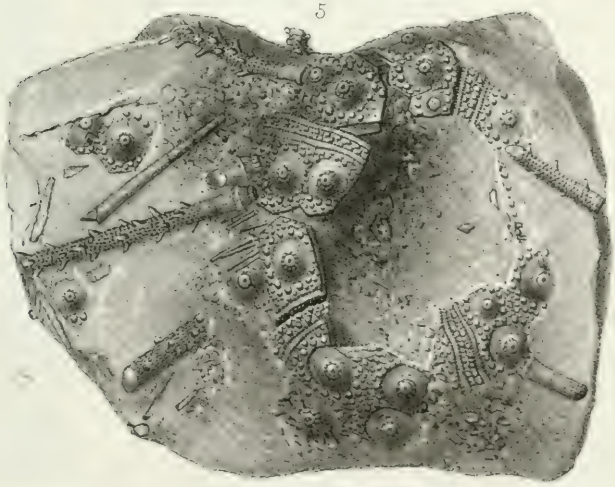








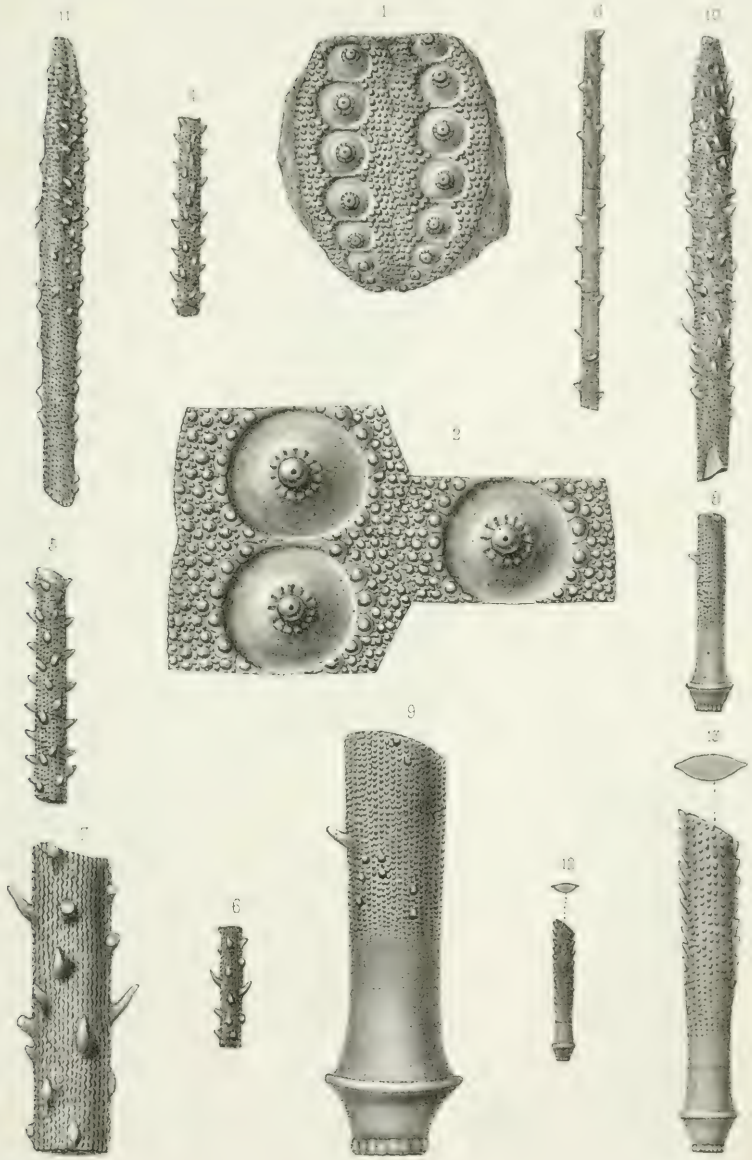




Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris.*

1 _ 4. *Cidaris Kimmeridgensis*, Cotteau. Kimmeridgien

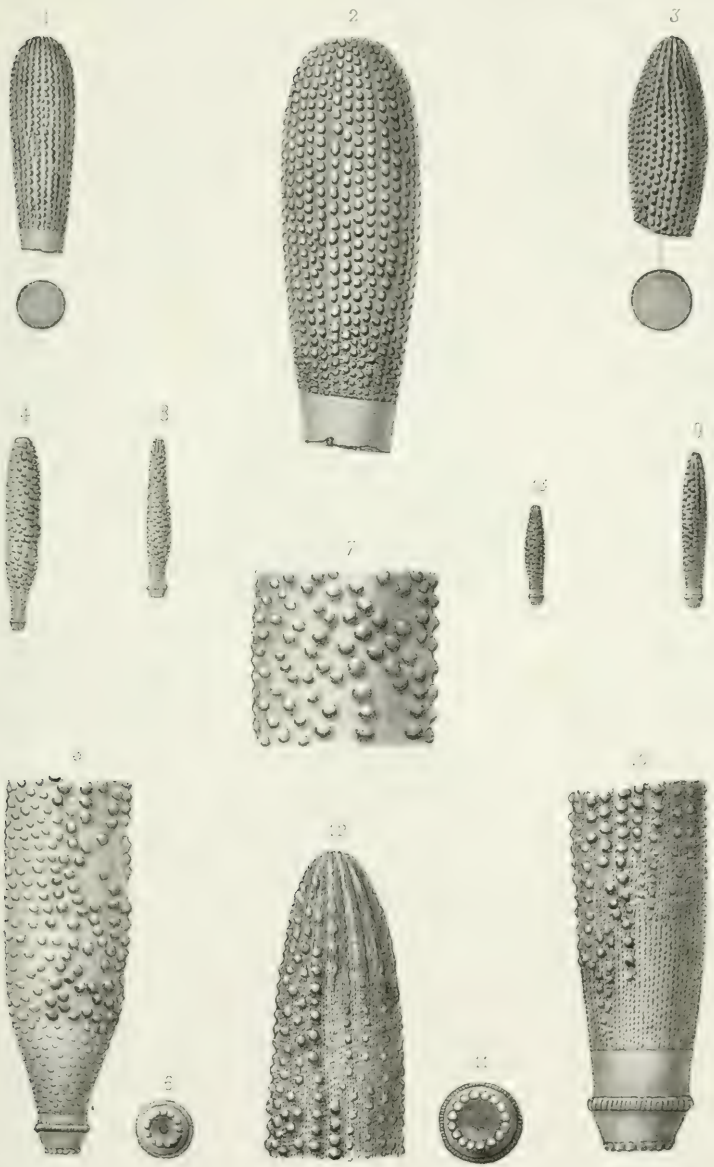
5 _ 7. *C.* ____ *Legayi*, Sauvage. Portlandien



Humbert del. et lith. G. Masson, Editeur *Imp. Becquet, Paris*

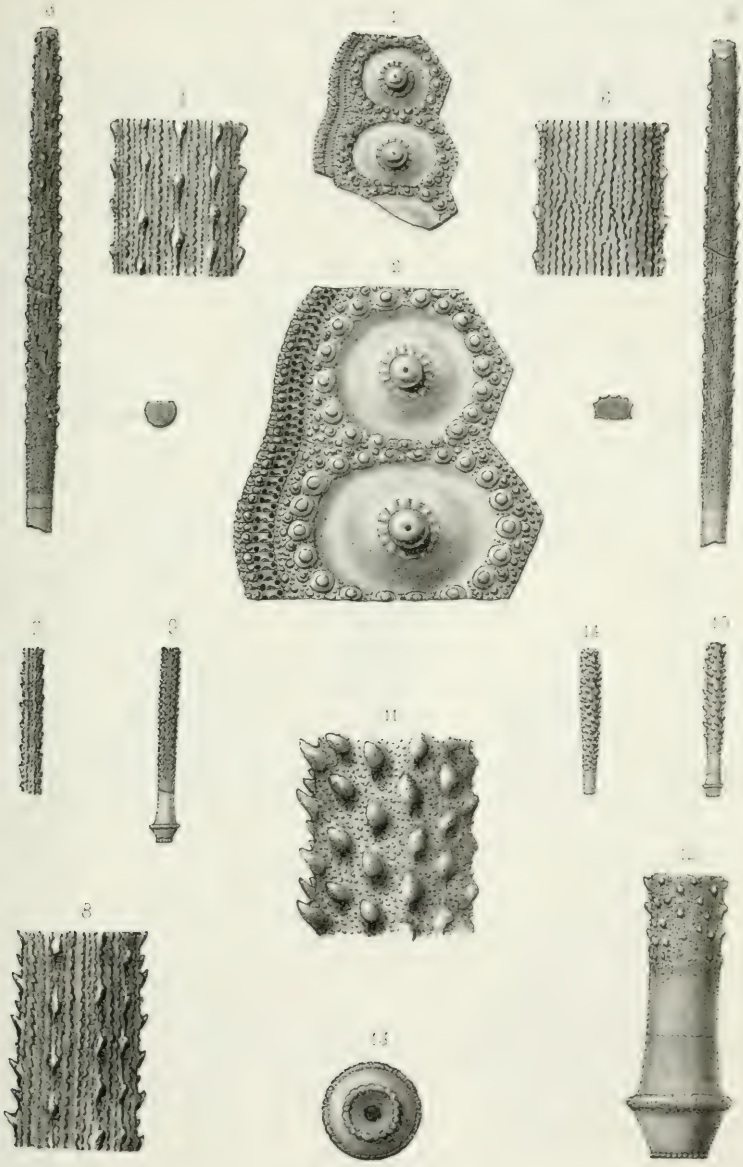
1 – 9. Cidaris Leymerii, Sauvage. Portlandien.

10 – 13. C. ——— Bononiensis, Wright. Kimmeridgien.



Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet Paris.*

1 – 3. Cidaris Schlumbergeri, Coteau. Corallien.
4 – 8. C. — Beltremieuxi, — —
9 – 13. C. — Beaugrandi, — — Kimmeridgien.

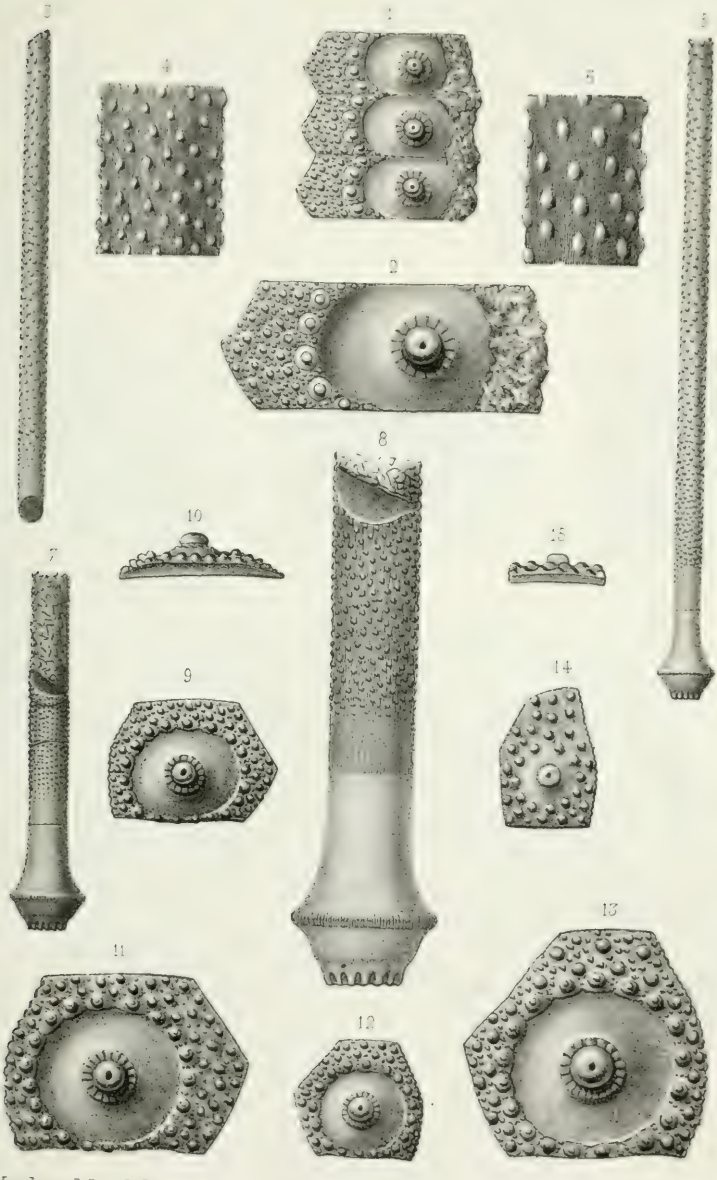


Humbert del. et lith. G. Masson Éditeur Imp. Becquet Paris

1_9. *Cidaris Bononiensis*, Wright. Kimmeridgien.

10_14. C._____ *Locardi*, Cotteau. Bajocien.

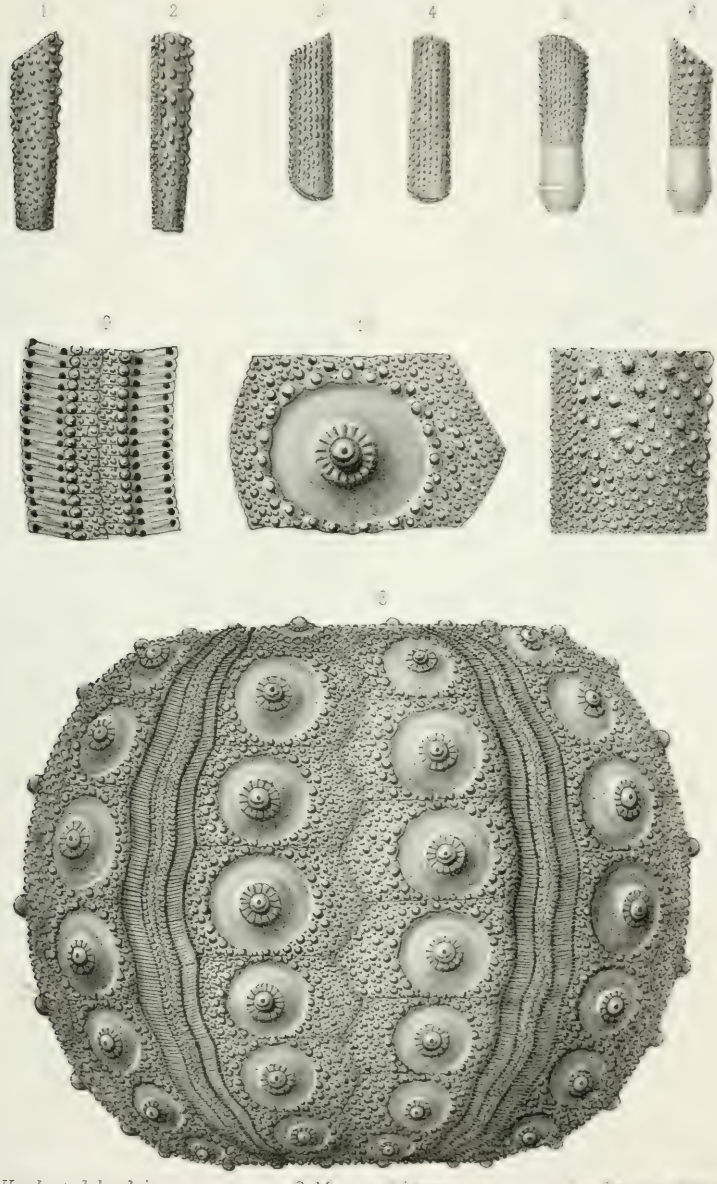
T. Jurassique. Echinides. Pl. 205.



Humbert del. et lith. G. Masson, Editeur. Imp. Becquet Paris.

1 – 8. *Rhabdocidaris Moraldina*, Desor. Liasien.

9 – 15. *R.* — — — — *impar*, Dumortier Toarcien.



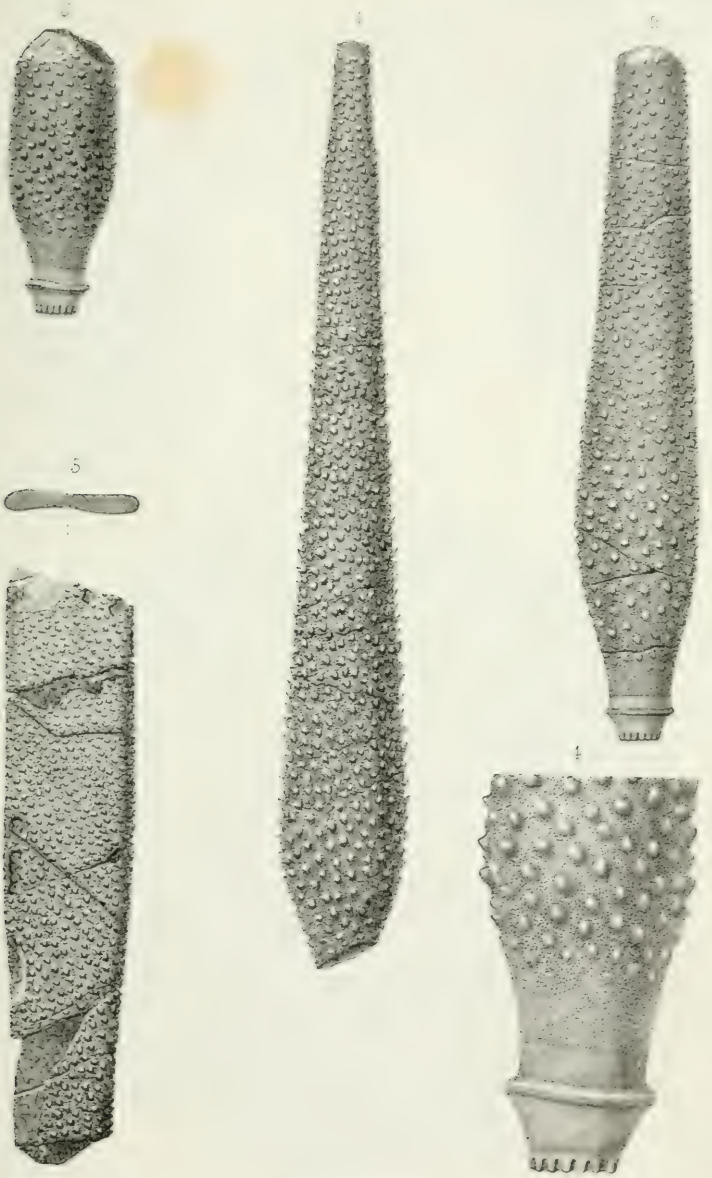
Humbert del. et lith. G. Masson Éditeur Imp. Lemercier Paris

1 7. *Rhabdocidaris pandarus* Cotteau. Toarcien

8 10 *R.* ——— *major*, ——— ———

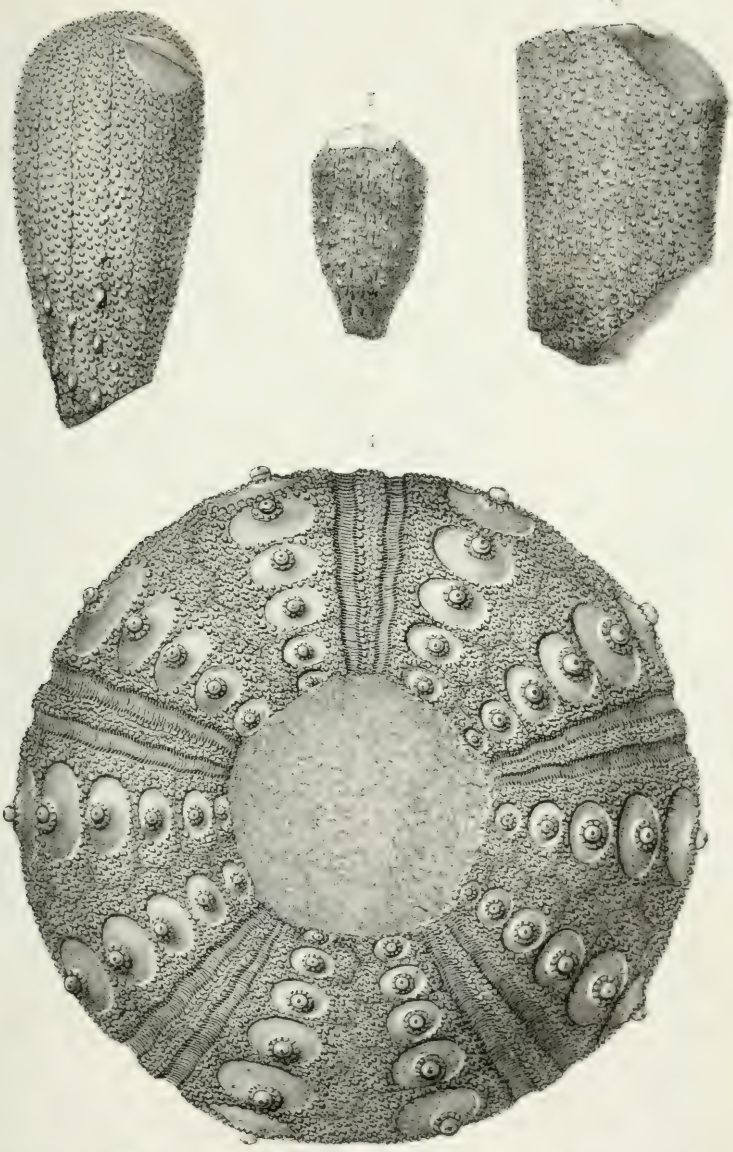
T. Jurassique.

Echinides. PL. 207.



Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris

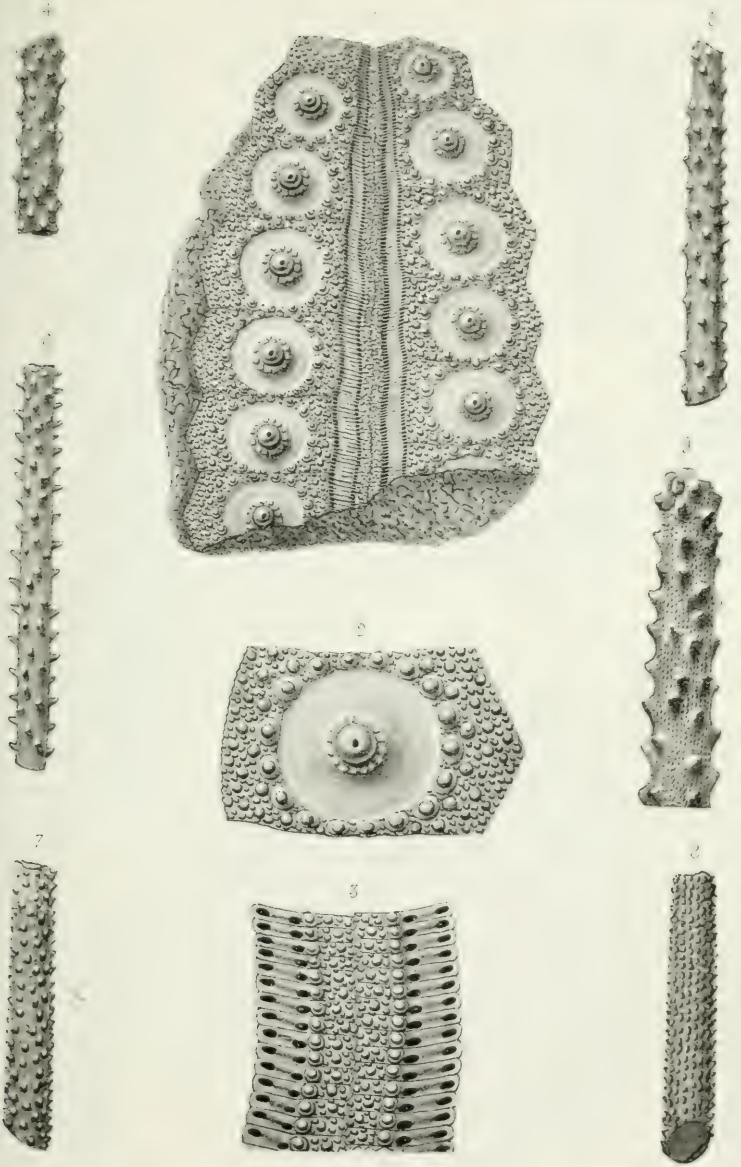
Rhabdocidaris major, Cotteau, Tournouër



Humbert del. et lith. G. Masson Editeur. Imp. Becquet Paris

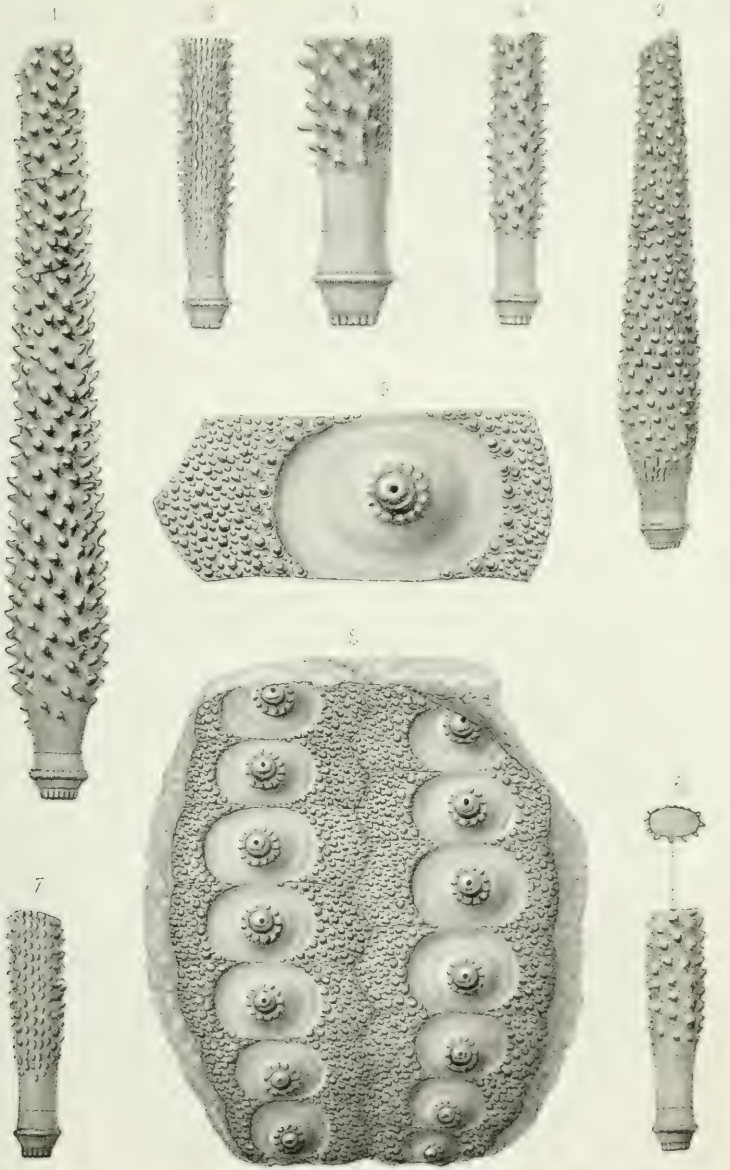
1. *Rhabdocidaris major* Cotteau Toarcien.

2. 4. *R.* ——— ——— *crassissima*. Cotteau Bajocien



Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris

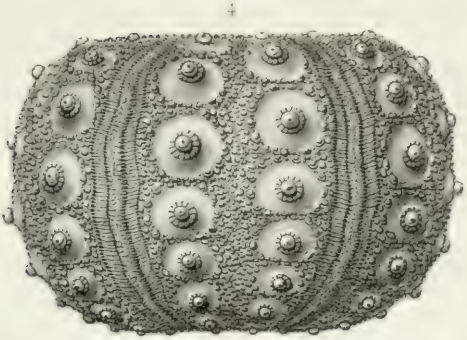
Rhabdocidaris horrida, de Loriol. Bajocien.

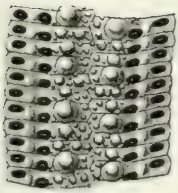


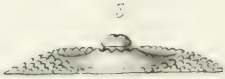
Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris.

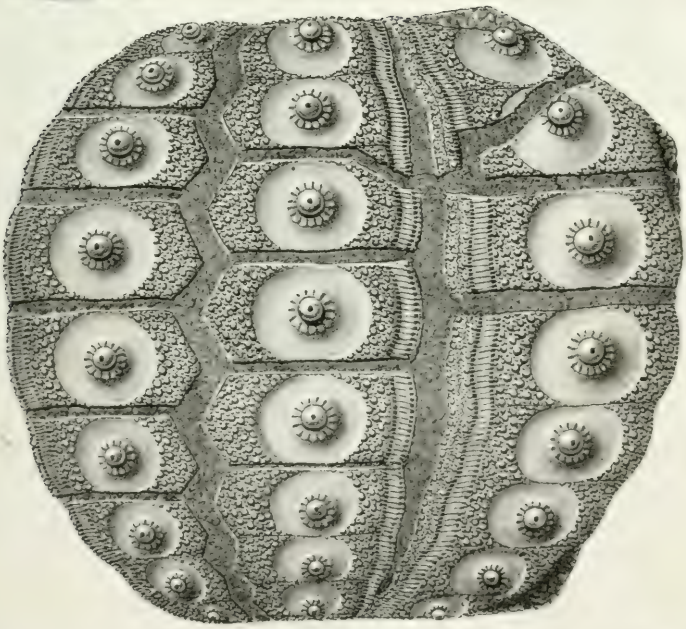
1–7. *Rhabdocidaris horrida*, de Loriol. Bajocien.

8. 9. *R.* _____ *Rhodani* Cotteau.





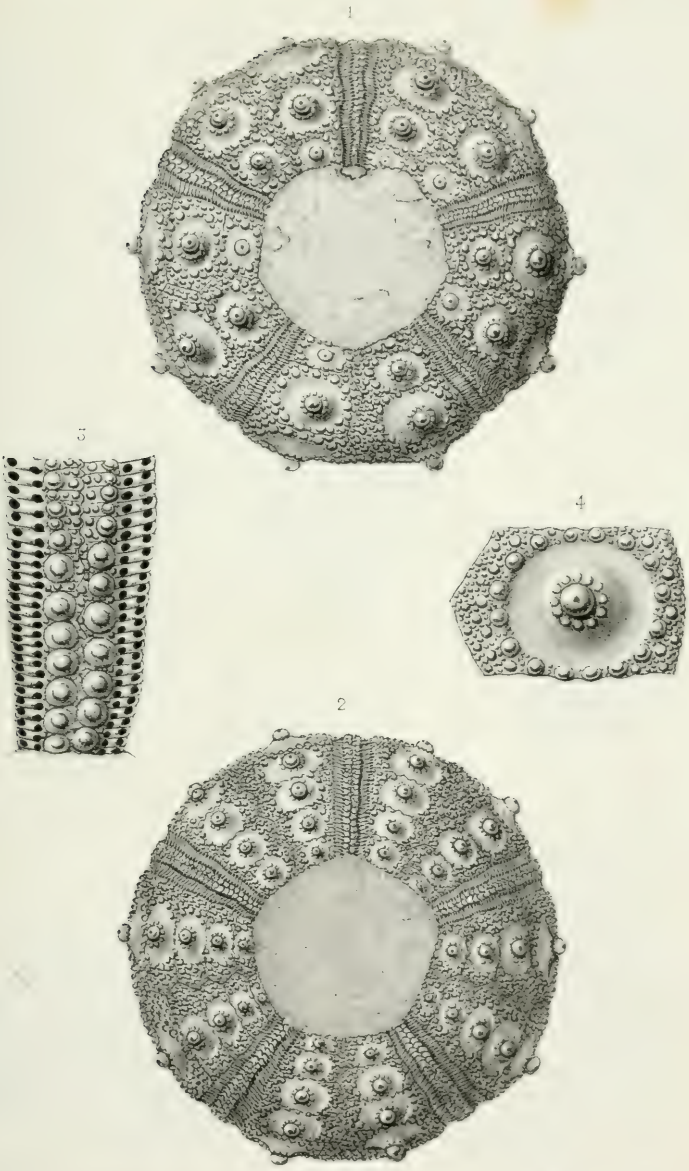




Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris*

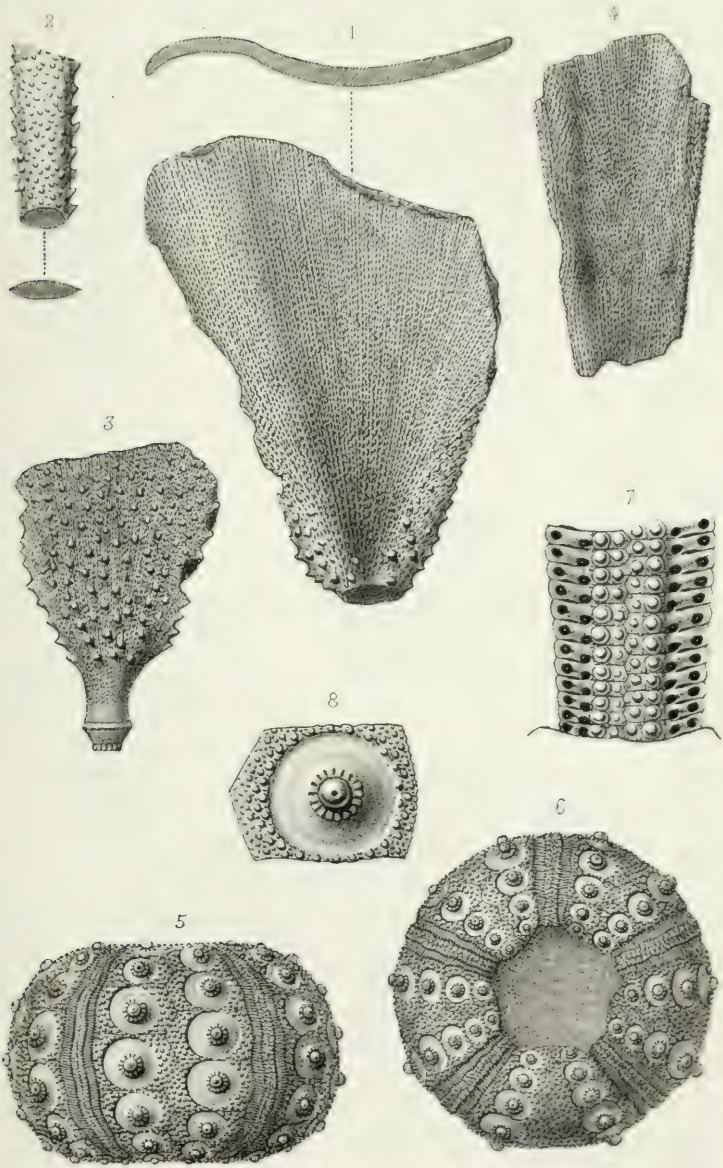
1–3. Rhabdocidaris Gauthieri, Coteau. Bajocien

4 R. _____ *Varusensis*, _____ _____



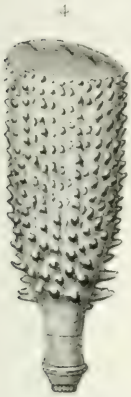
Humbert del. et lith. G. Masson Editeur Imp Becquet Paris

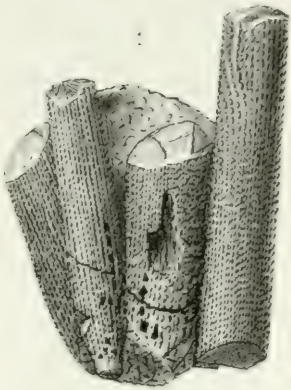
Rhabdocidaris Varusensis, Cotteau. Bajocien.

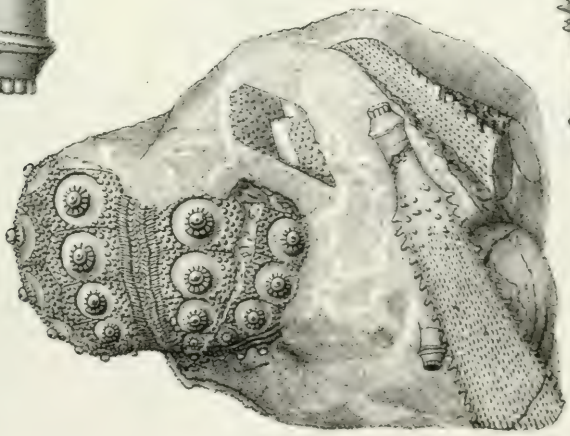


Humbert del. et lith. G. Masson, Editeur. Imp. Becquet, Paris

Rhabdocidaris copeoides, Desor. Bajocien et bathonien.

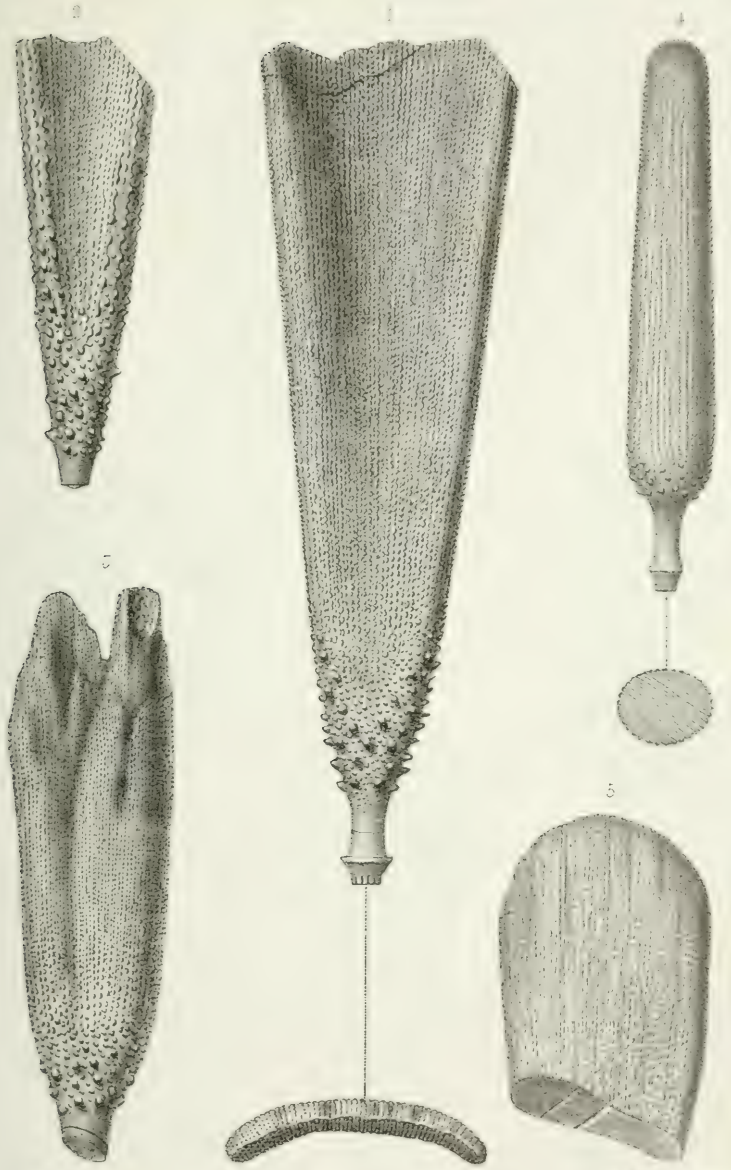






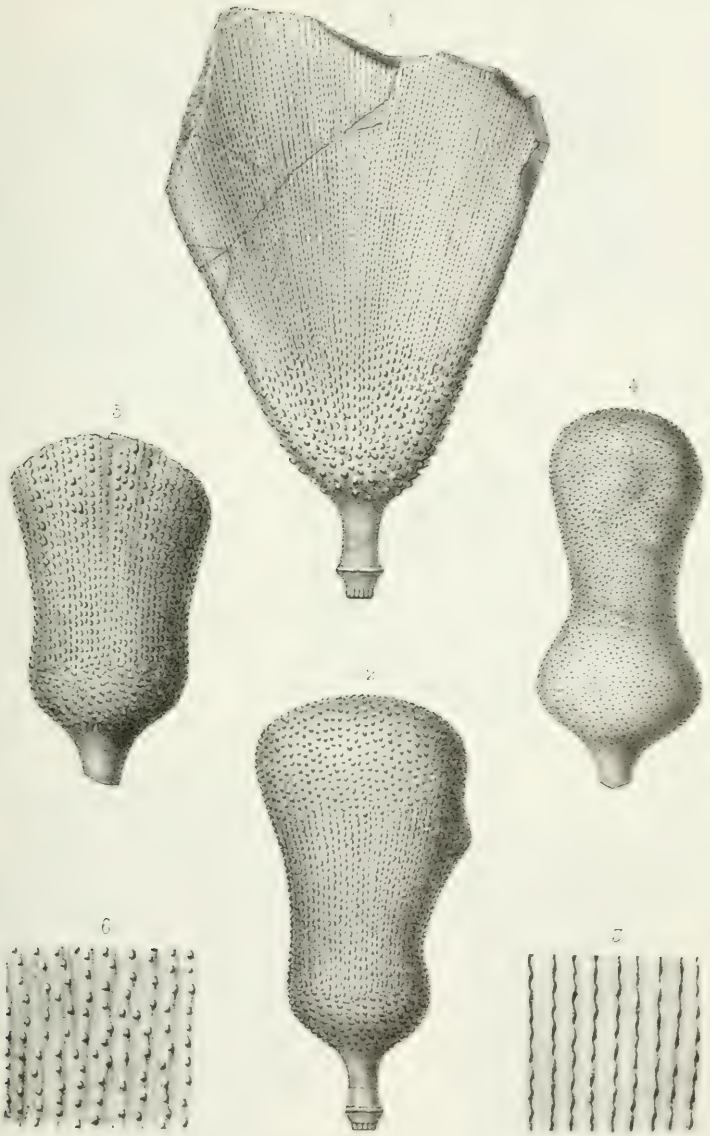
Humbert del.et lith. G.Masson,Editeur. *Imp.Becquet,Paris*

Rhabdocidaris copeoides, Desor. Bathonien et Callovien.



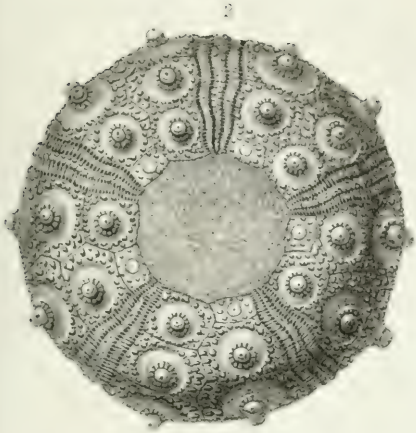
Humbert lith. G. Masson, Editeur.

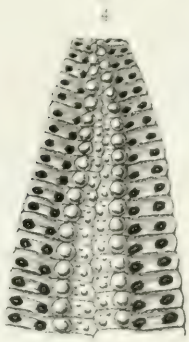
Rhabdocidaris copeoides, Descr. Callovien.

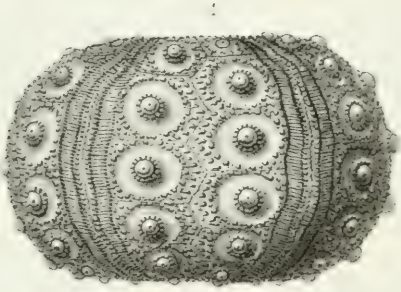


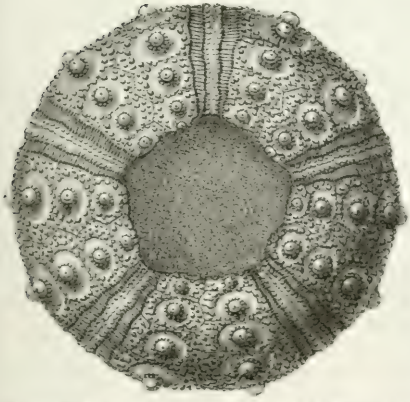
Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris

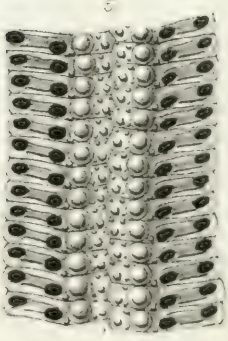
1. *Rhabdocidaris copeoides*, Desor. Callovien.
2 – 6. *R.* ——— *Thurmanni*, ——— ———





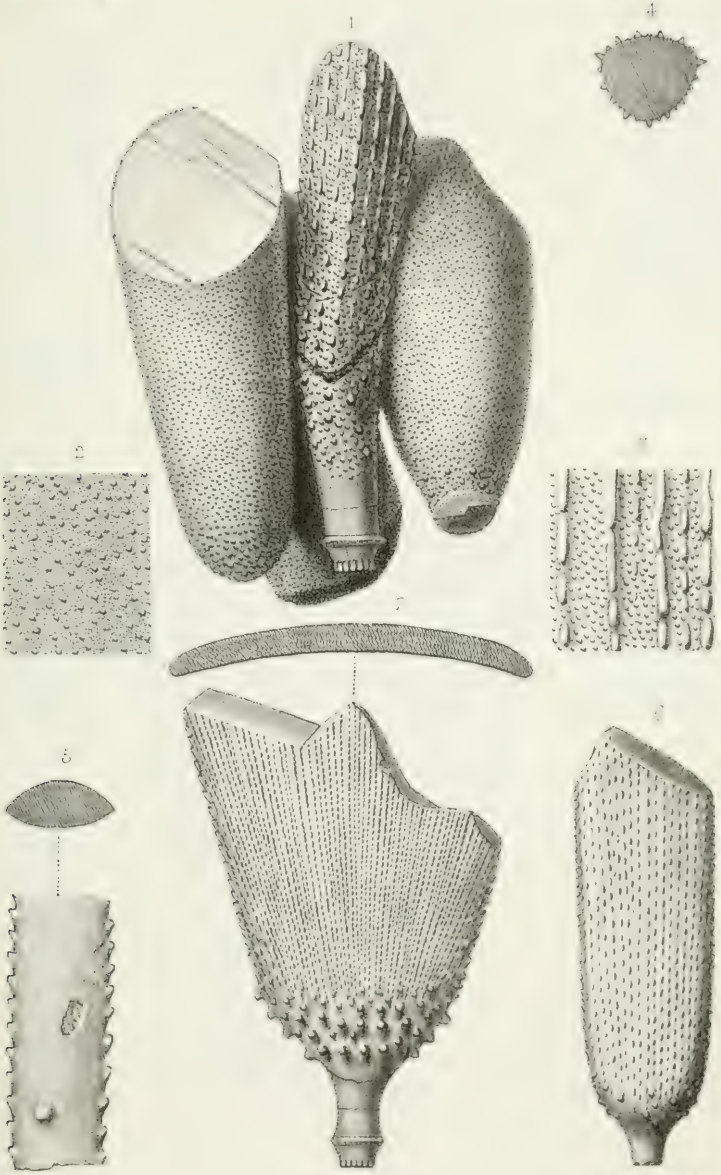






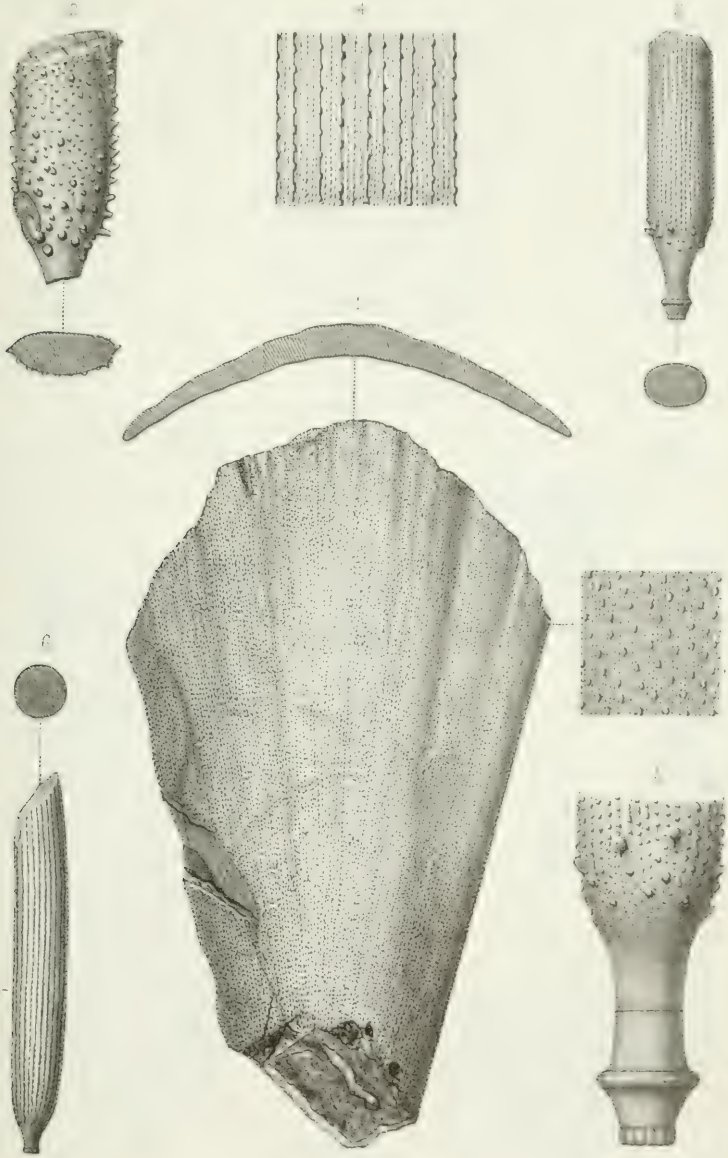
Humbert lith. G. Masson Editeur. Imp. Becquet Paris

Rhabdocidaris guttata, Cotteau. Callovien.



Humbert lith. G. Masson, Editeur. Imp. Bouquet Paris

1 – 4. *Rhabdocidaris sarthacensis*, Cotteau. Oxfordien.
5 – 7. *R.* ——— *caprimontana*, Desor. ———

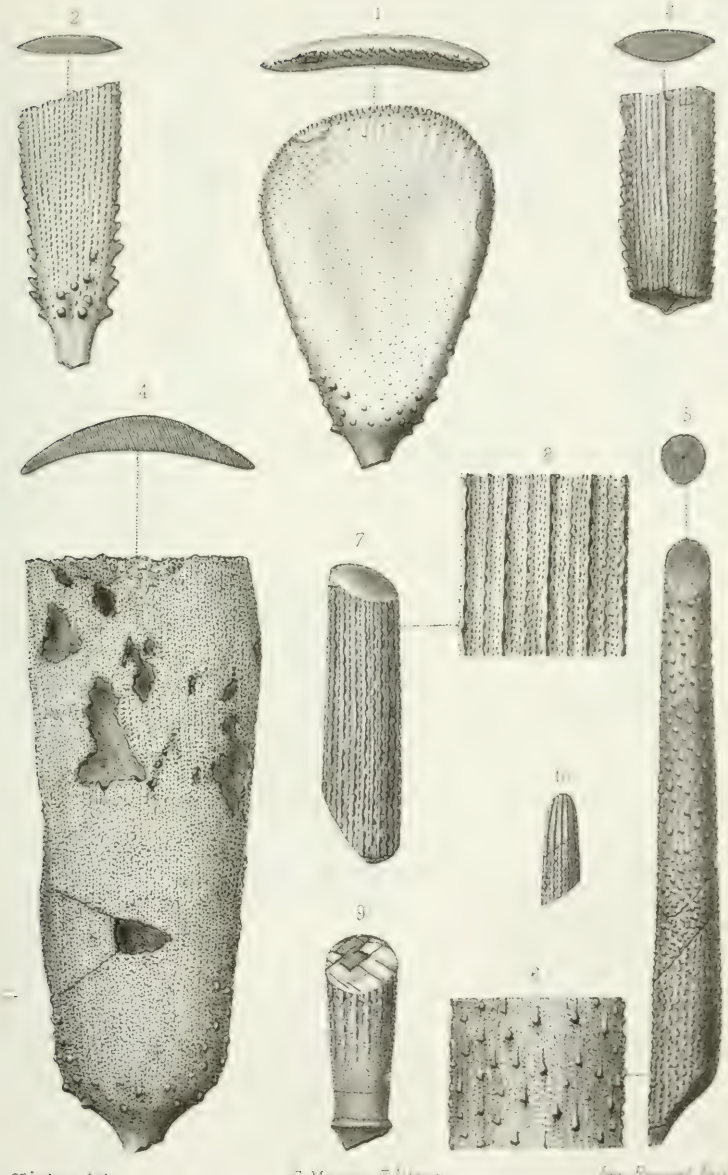


Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris

Rhabdocidaris caprimontana, Descr. Oxfordien.

T. Jurassique.

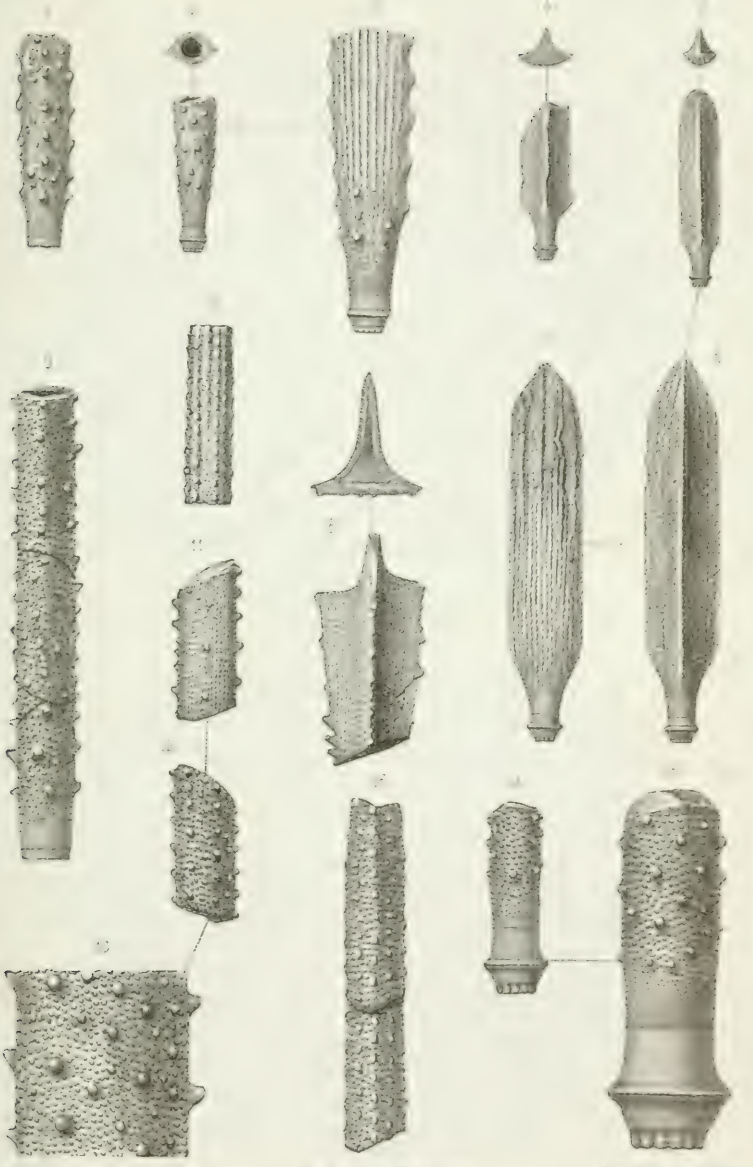
Échinides. Pl. 270.



1 – 4. *Rhabdocidaris caprimontana*. Desor. Oxfordien.
5 – 6. *R.* _____ *Janitoris*, Gauthier _____.
7 – 10. *R.* _____ *Censoriensis*, Cotteau. Corallien.

1 – 6. Rhabdocidaris trigonacantha. Desor Corallien

7 – 12. R. ——— megalacantha ——— ———

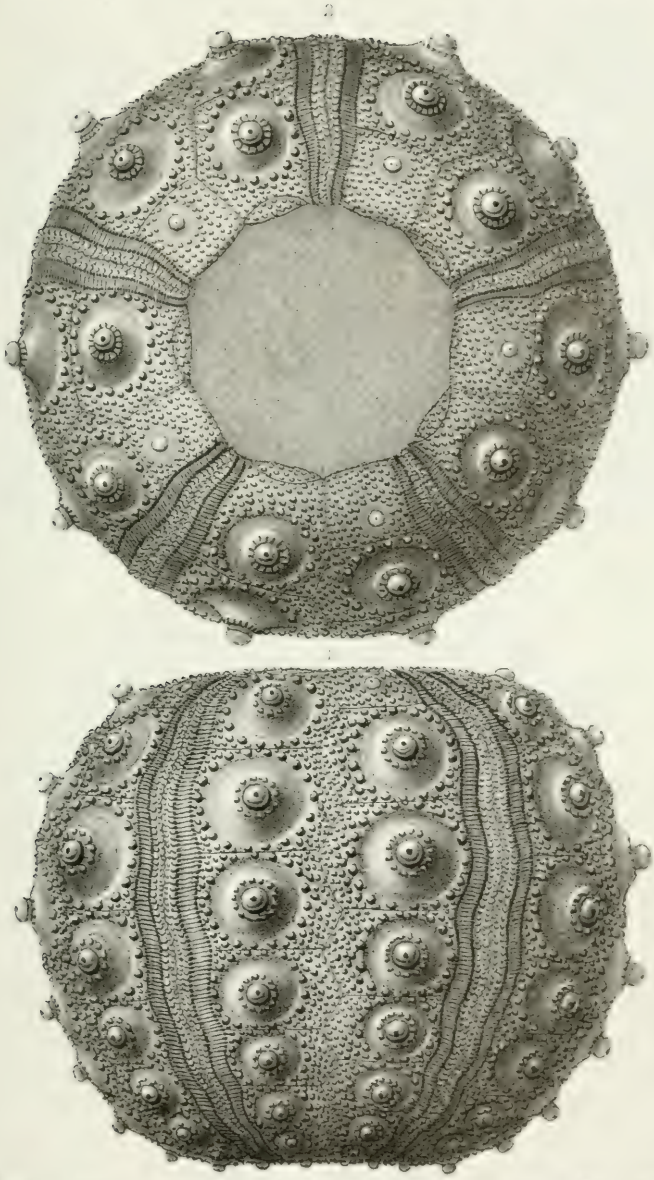


Humbert lith. G. Masson, Éditeur Imp. Becquet, Paris.

1_3. *Rhabdocidaris Ritteri*, Desor. Corallien.

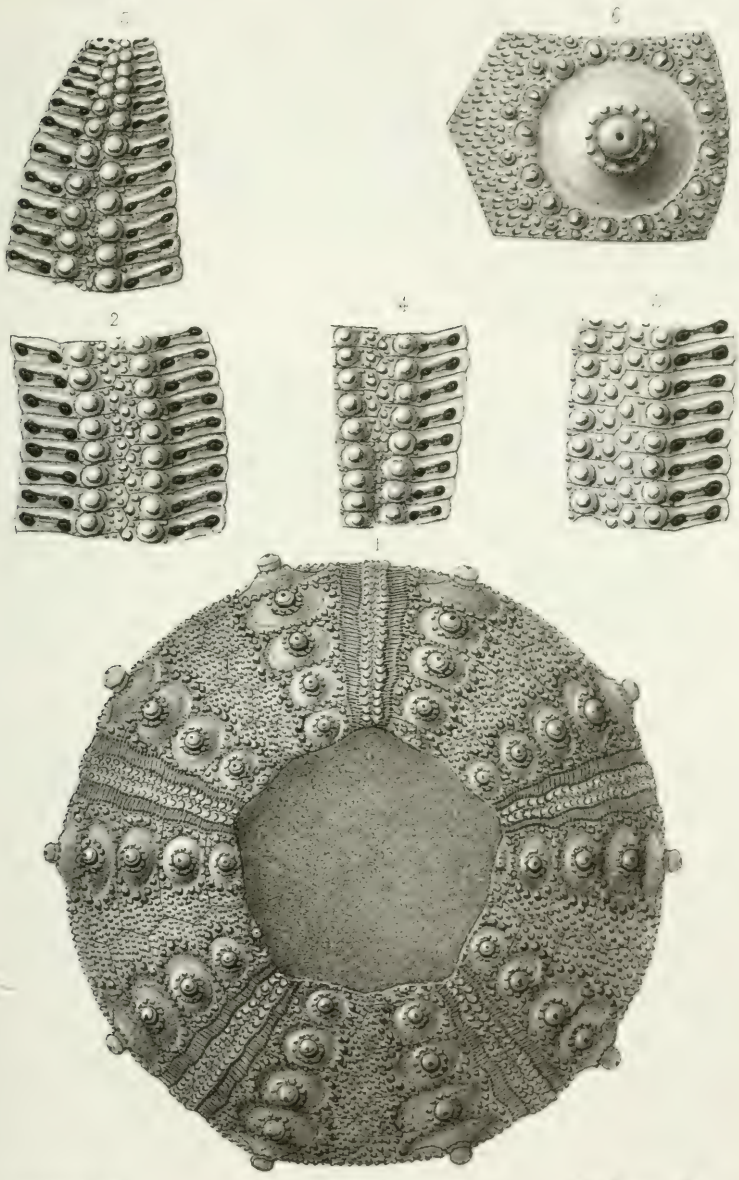
4_8. *R.* ——— *triptera* ——— ———

9_16. *R.* ——— *virgata*, Gauthier. Corallien.

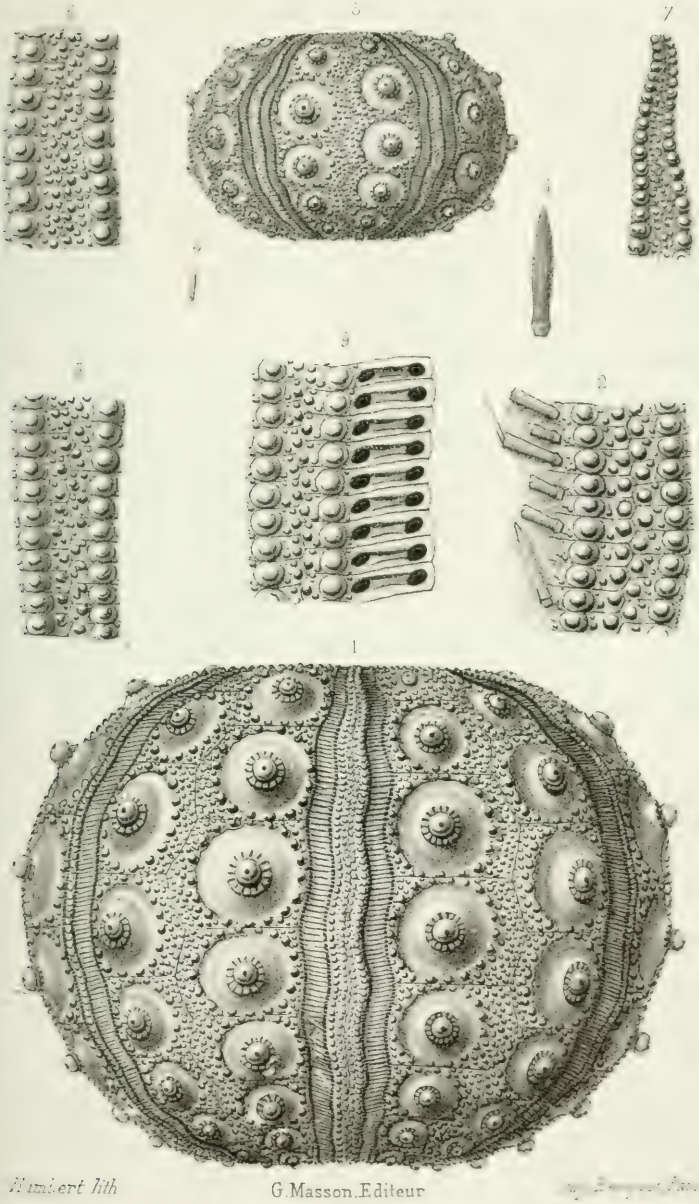


Humbert lith. G. Masson Editeur

Rhabdocidaris Orbignyana Desor. Corallien inf.

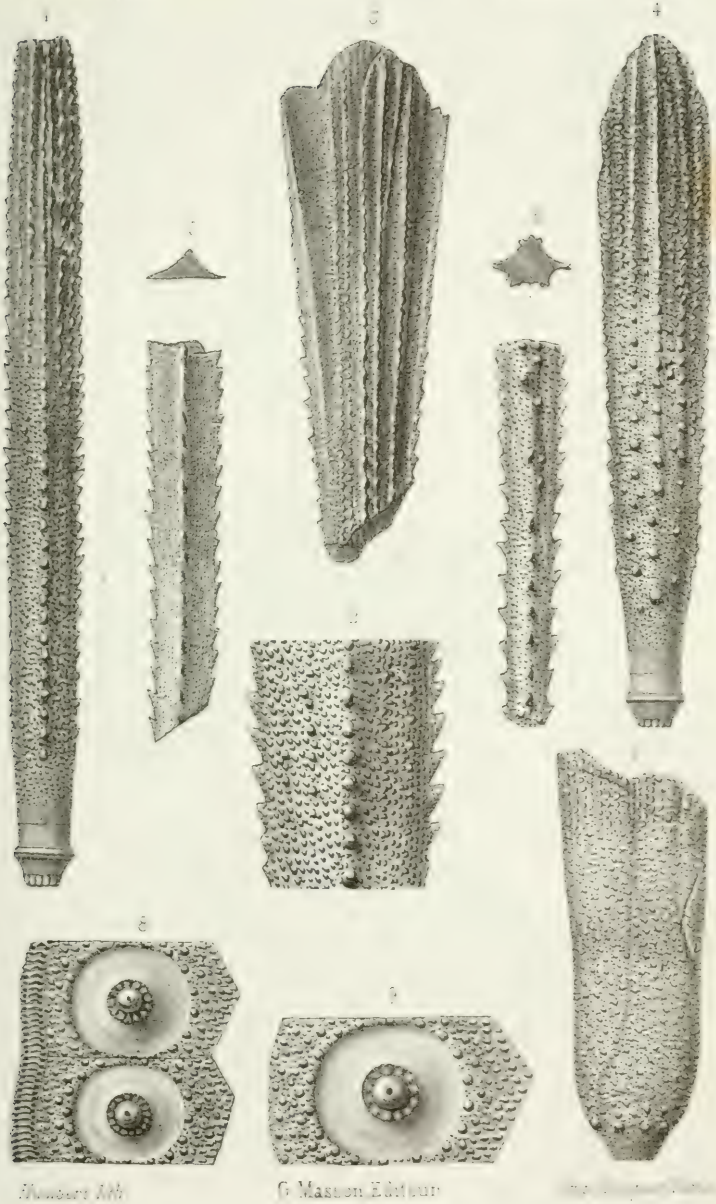


Rhabdocidaris Orbignyana, Desor. Corallien



Humbert lith G. Masson, Editeur [illegible]

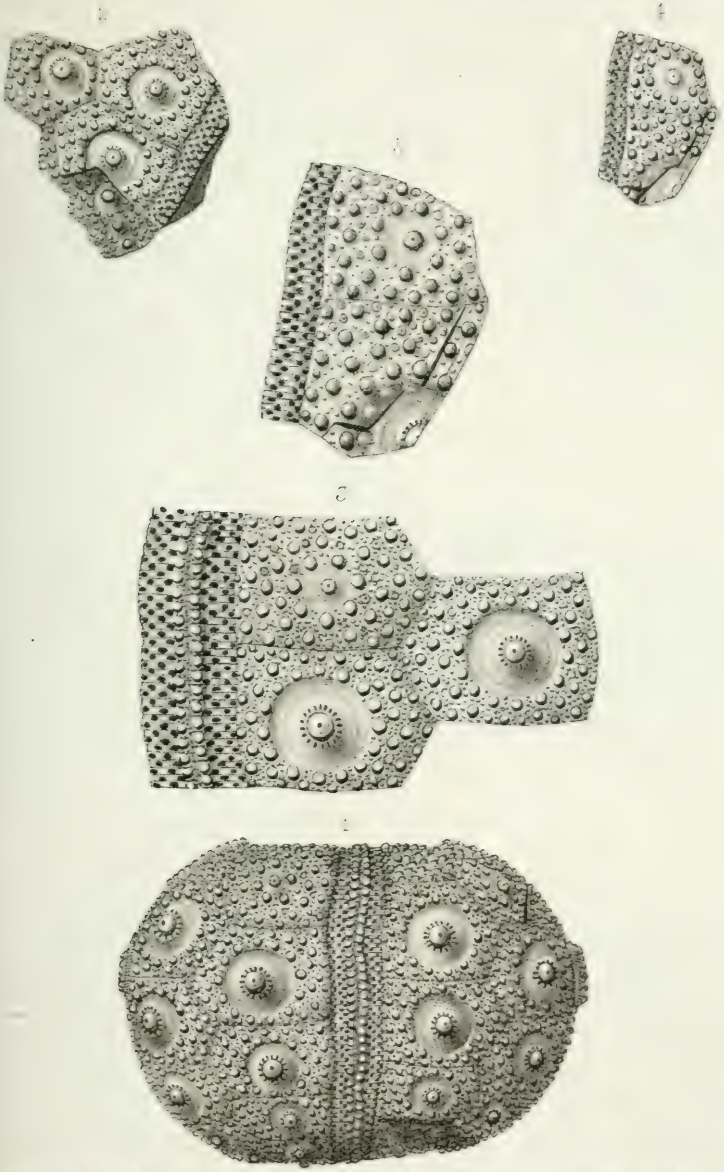
Rhabdocidaris Orbignyana, Desor. [illegible]



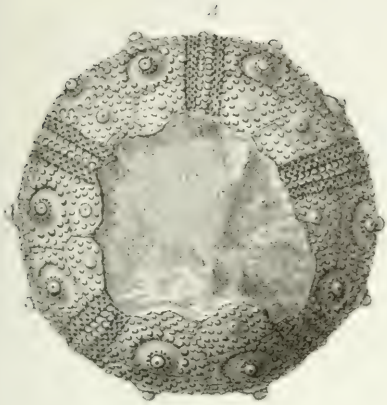
Rouvier lith. G. Masson Éditeur

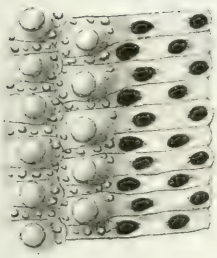
1 7 *Rhabdocidaris Orbignyana*, Desor. Kimmeridgien

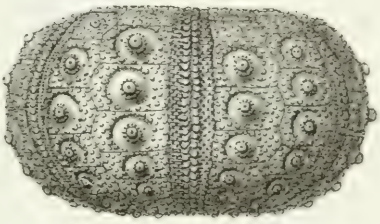
8 9. *R* ——— *Bononiensis*, Cotteau. ———

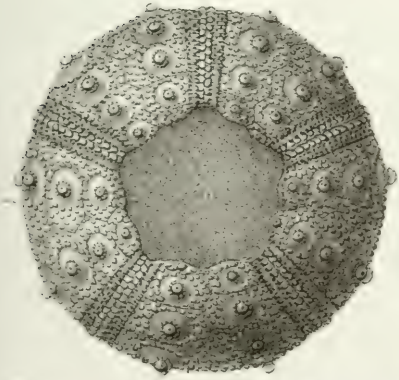


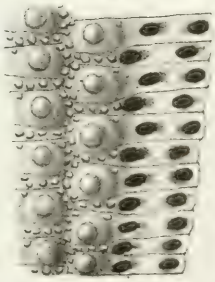
Diplocidaris Dumortieri, Cotteau Bathonien





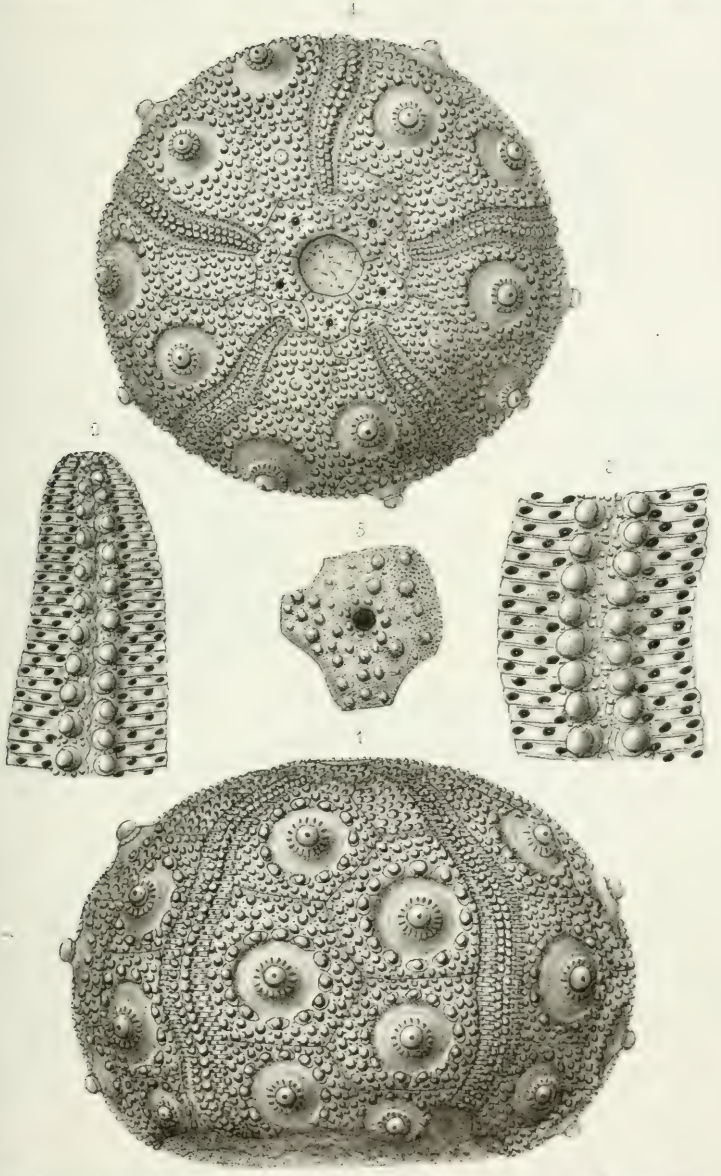






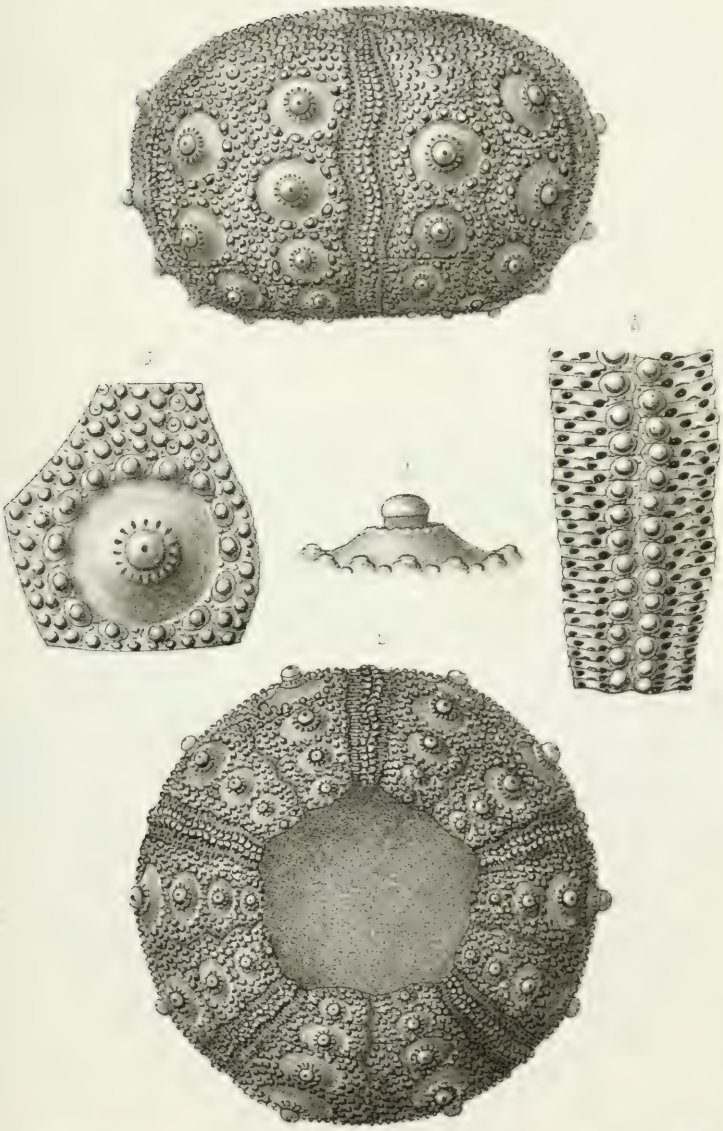
Humbert del. et lith. G. Masson Éditeur Imp. Becquet Paris

Diplocidaris Gauthieri, Cotteau. Oxfordien



Humbert del. et lith. G. Masson Éditeur Imp. Hurguet Paris

Diplocidaris gigantea, Desor. Corallien.



Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris*

Diplocidaris gigantea, *Desor. Corallien.*

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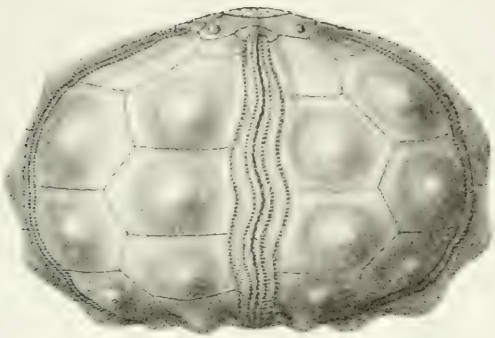

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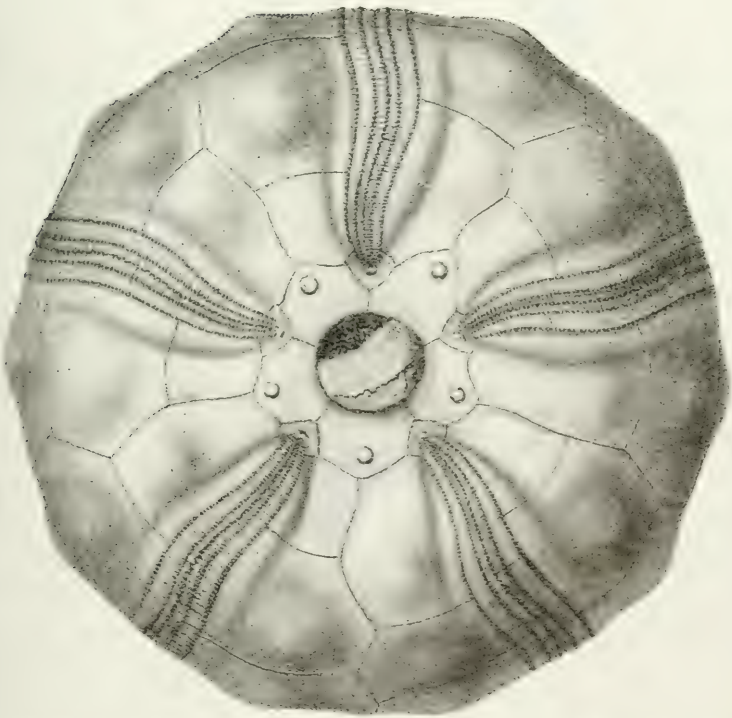
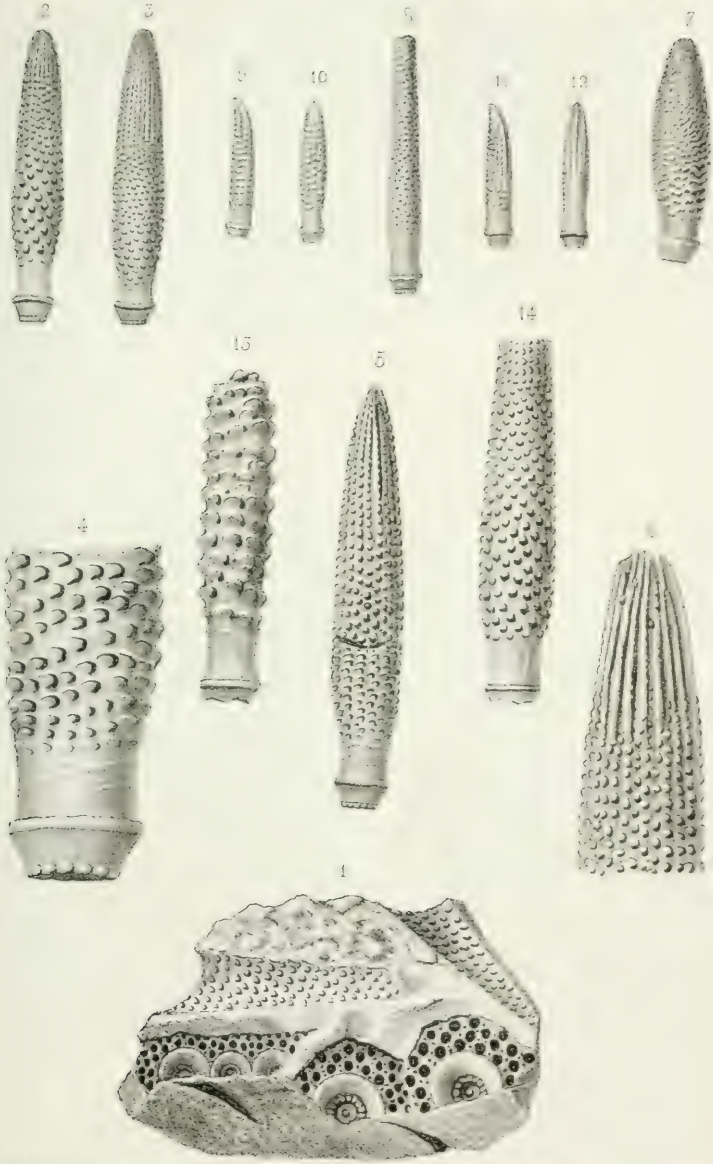


Imp. Becquet, Paris. G. Masson, Editeur. Imp. Becquet, Paris.

Diplocidaris gigantea, Desor. Corallien.

T. Jurassique.

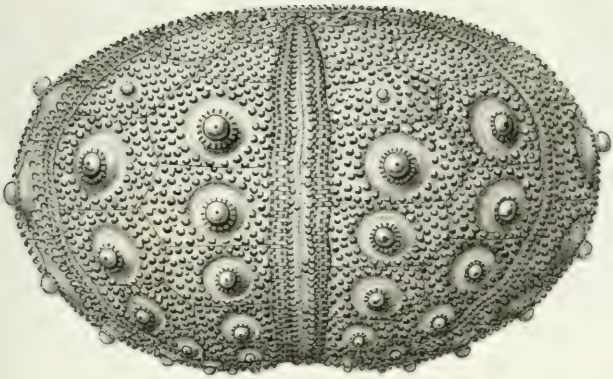
Echinides Pl. 232.



Humbert del. et lith. C. Masson, Editeur Imp. Becquet, Paris

Diplocidaris gigantea, Desor. Coralliens

1



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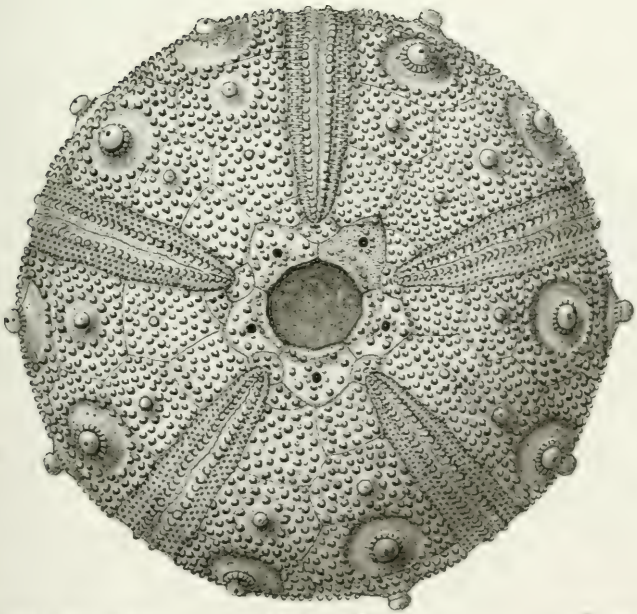
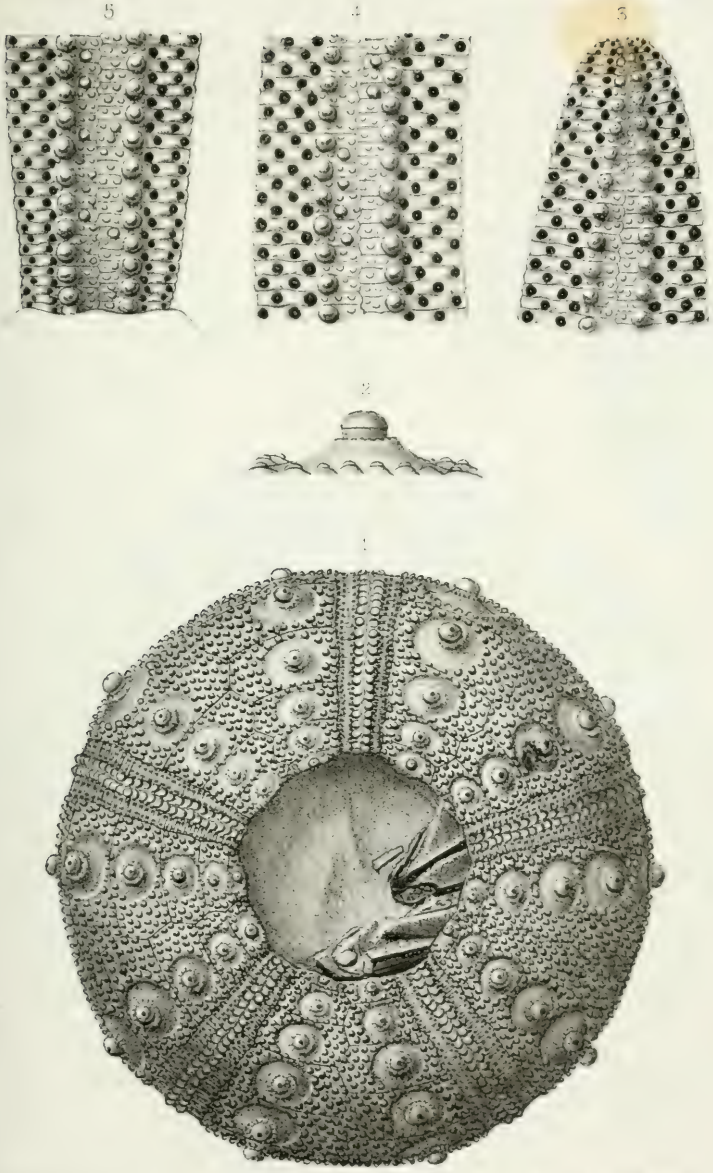


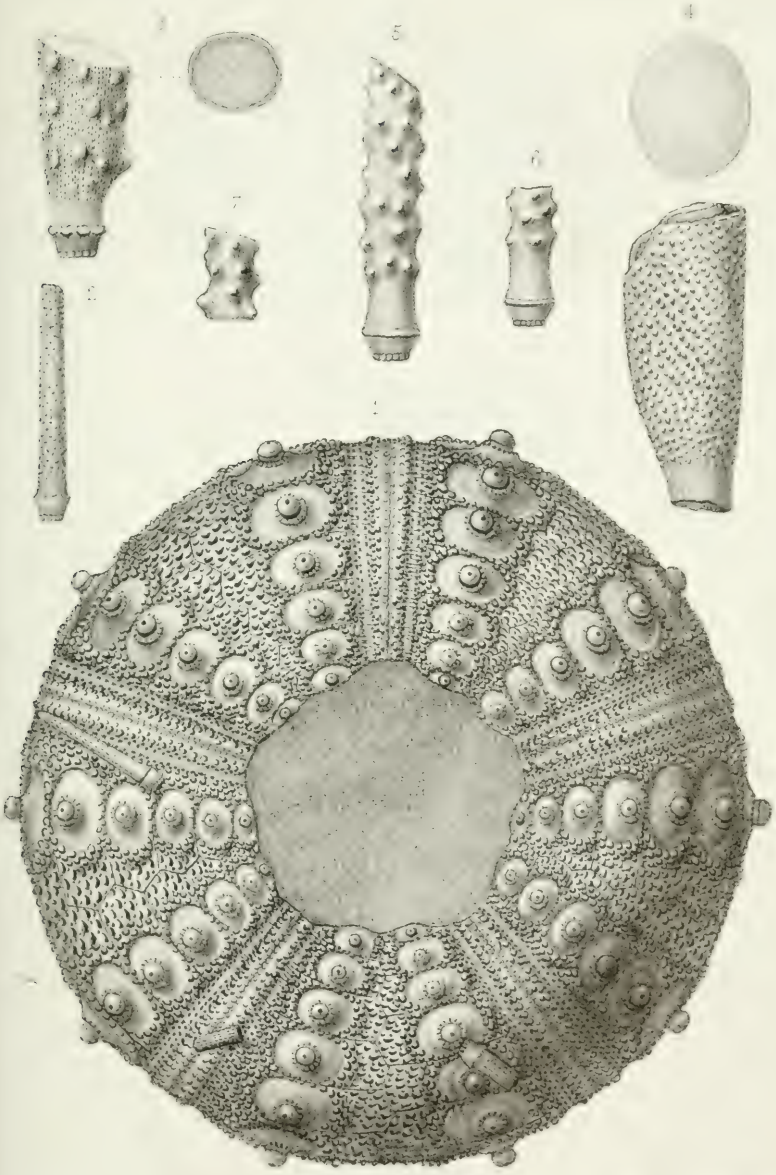
Humbert del. et lith. G. Masson Éditeur Imp. Becquet Paris

Diplocidaris Etalloni, de Loriol Corallien.



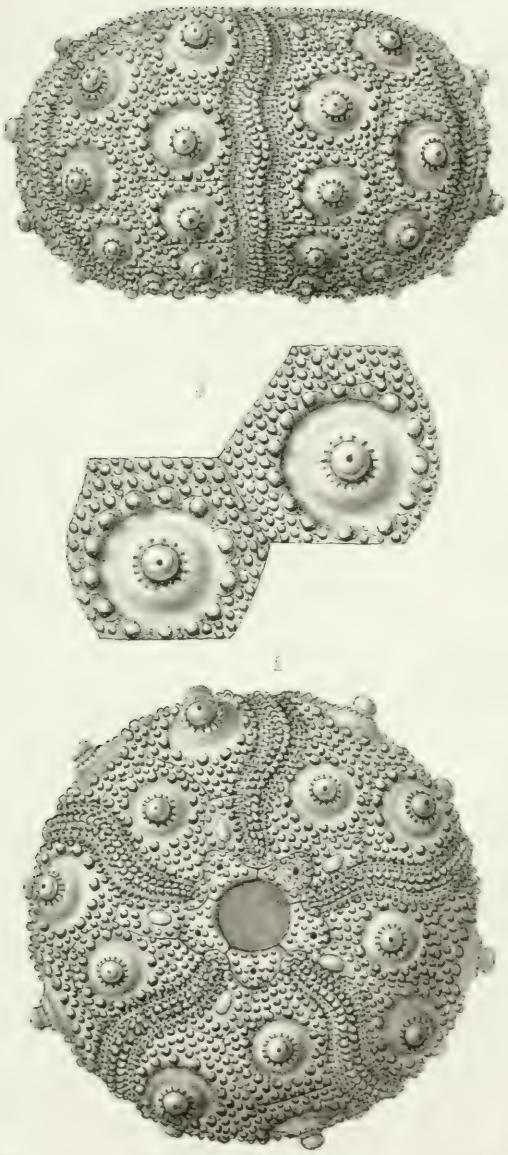
Humbert del. et lith. G. Masson, Editeur

Diplocidaris Etalloni, de Loriol. Corallien.



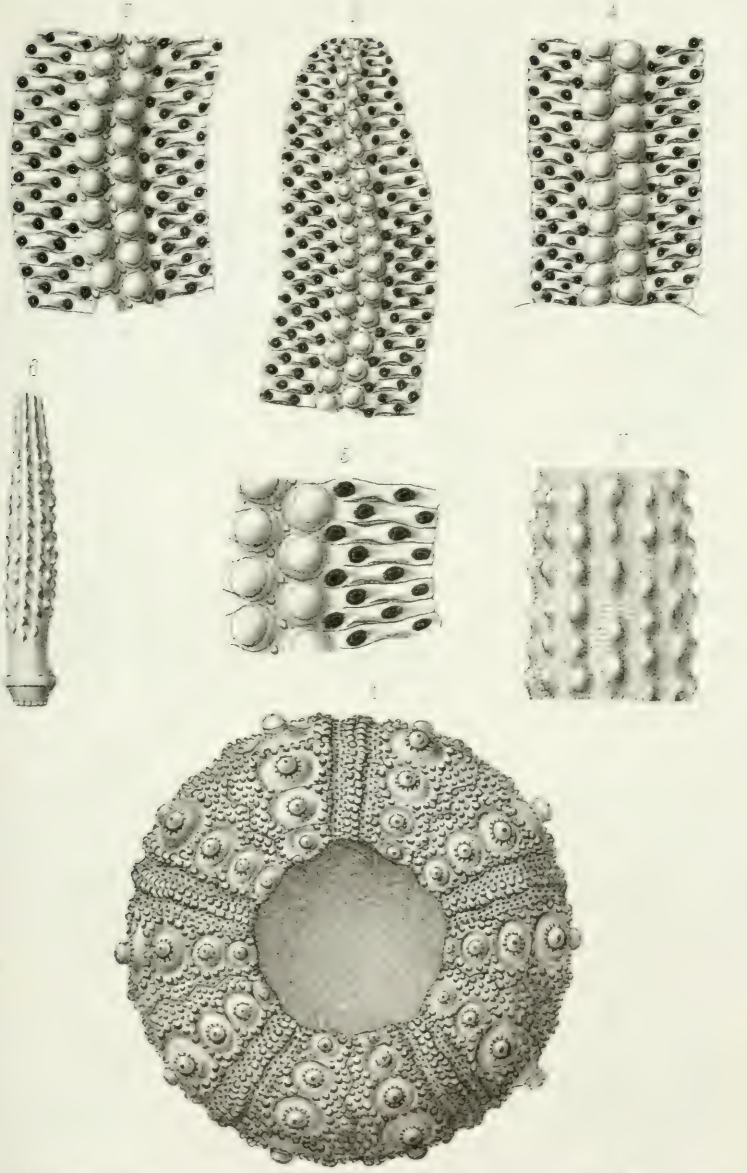
Humbert del. et lith. G. Masson, Editeur. *Imp. Becquet, Paris*

1, 2. Diplocidaris Etalloni, de Loriol. Corallien.
3. D. ——— *cladifera*, Desor. ———
4. D. ——— *cinnamomea* ———
5. D. ——— *verrucosa* ———



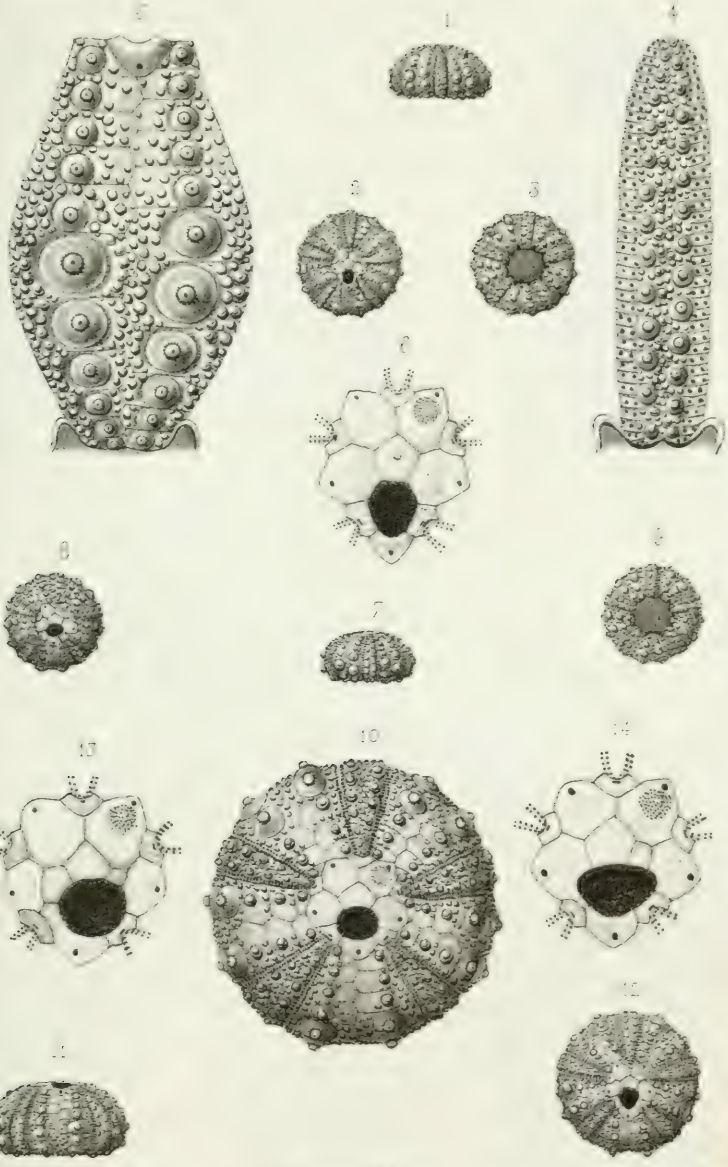
Hombert del. et lith. G. Masson Éditeur Imp. Langlois

Diplocidaris miranda, Cotteau Corallien sup.



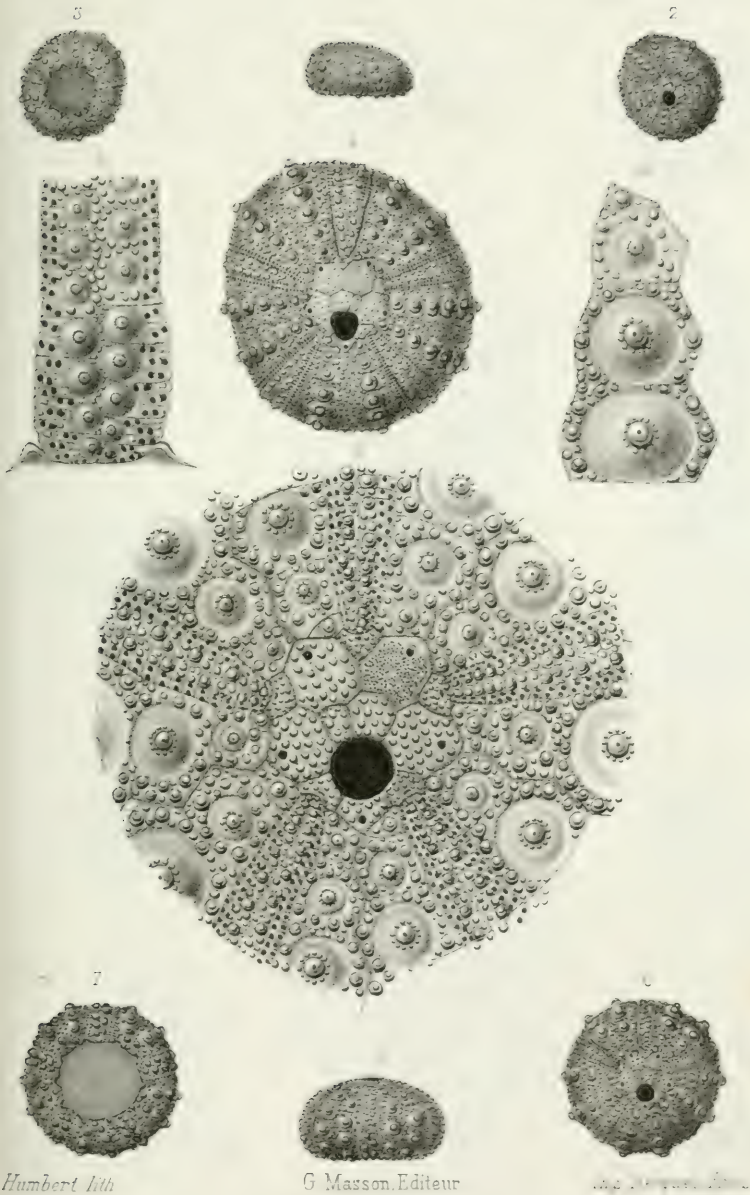
Humbert del. et lith. 3 Masson. Editeur. Imp. Becquet. Paris.

Diplocidaris miranda, Cotteau. Corallien sup.



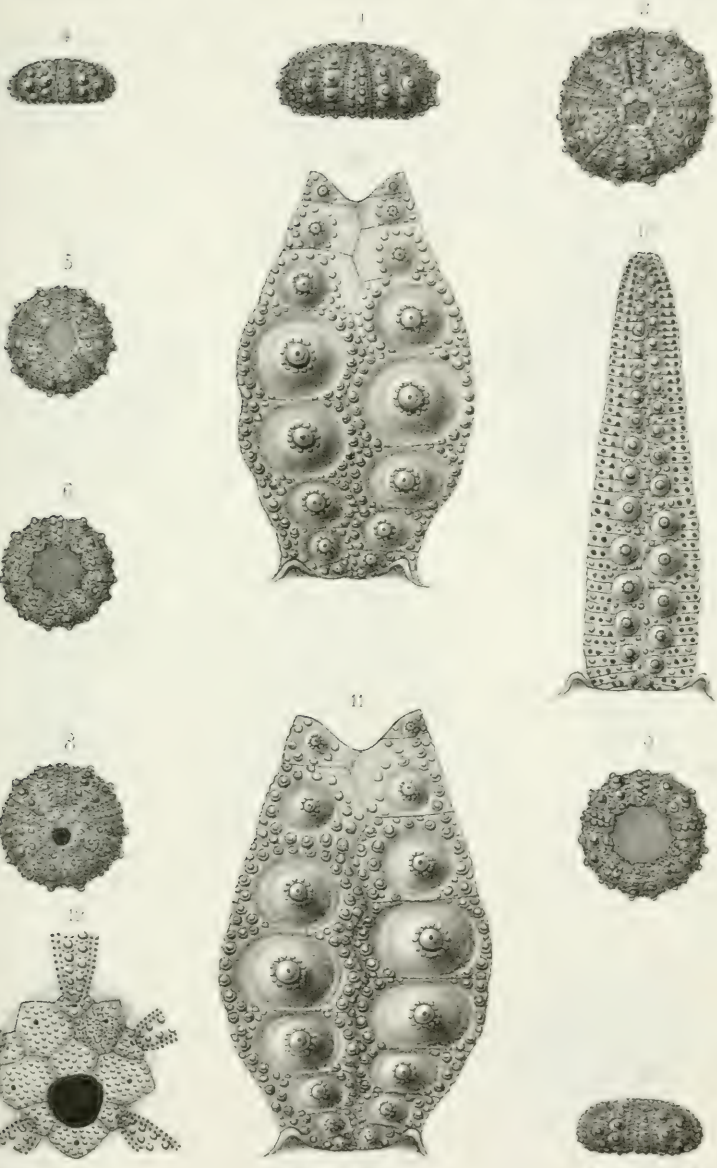
Humbert del. et lith. G. Masson Editeur Imp. Becquet Paris.

Acrosalenia spinosa, Agassiz. Bajocien



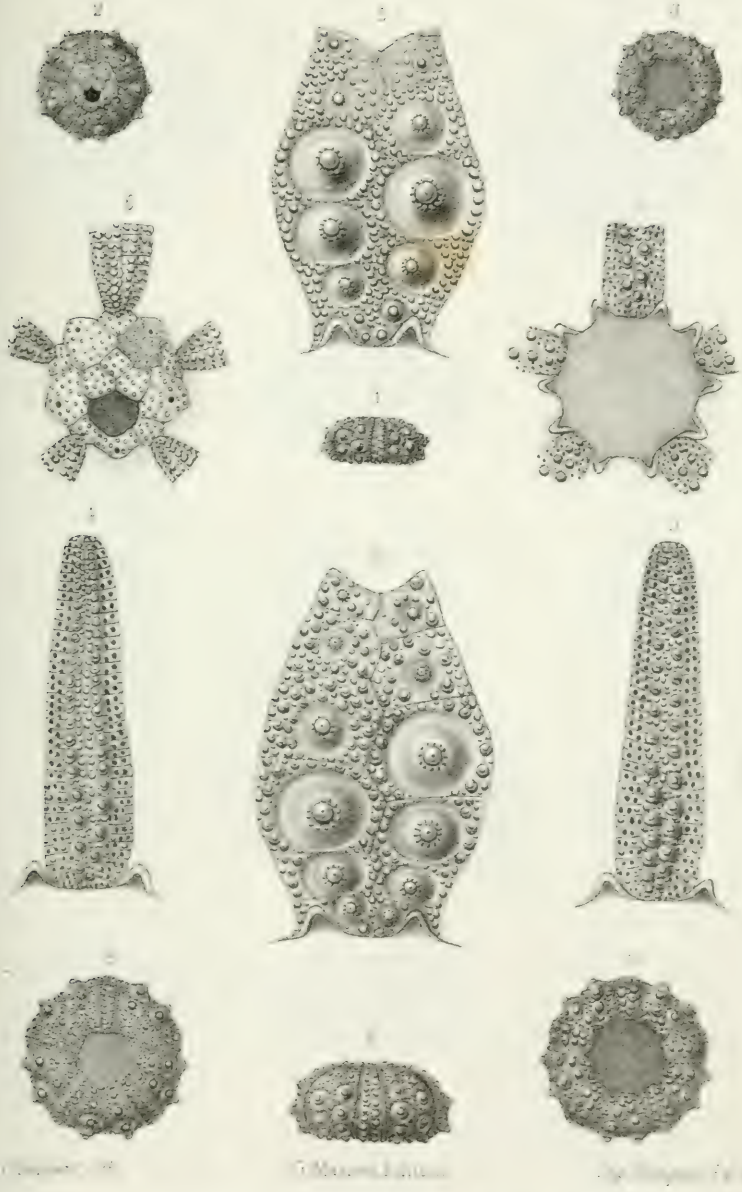
Humbert lith G Masson. Editeur

1 _ 4. *Acrosalenia spinosa*, Agassiz. Bathonien.
5 _ 10. *A.* _____ *Gauthieri*, Cotteau. Bajocien



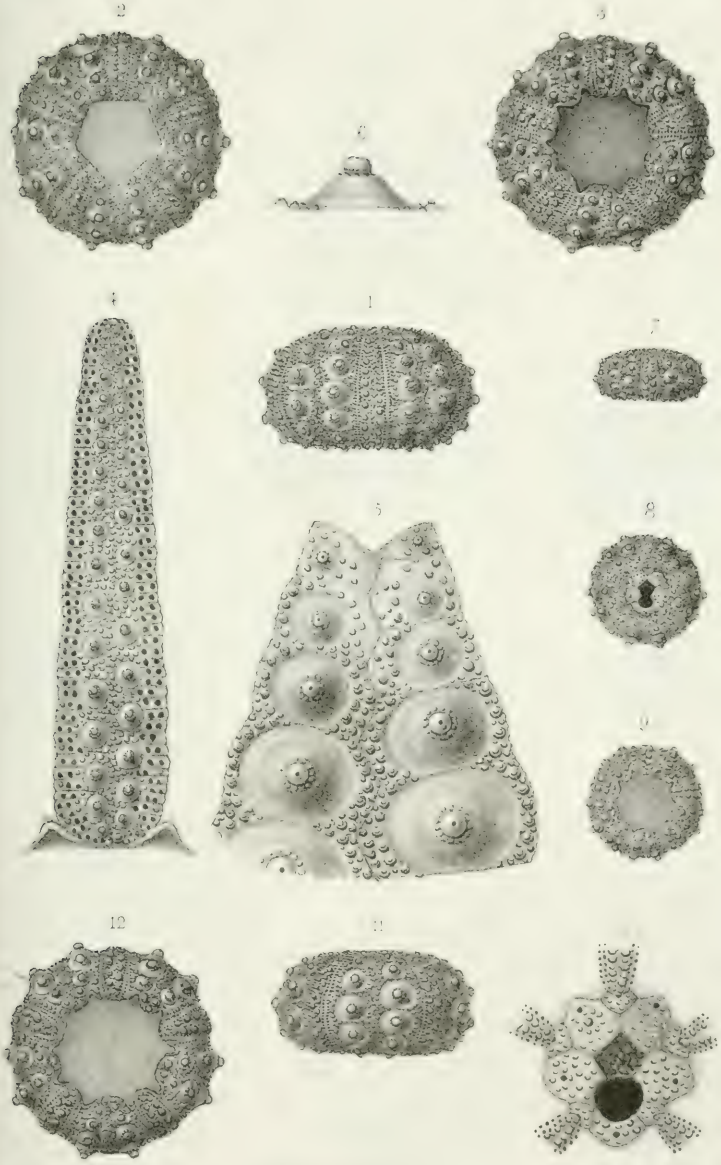
Humbert lith. G. Masson Editeur [illegible]

Acrosalenia Lycetti, Wright. Bathonien.



1–7. *Acrosalenia Lowcana*, Wright. Bathonien

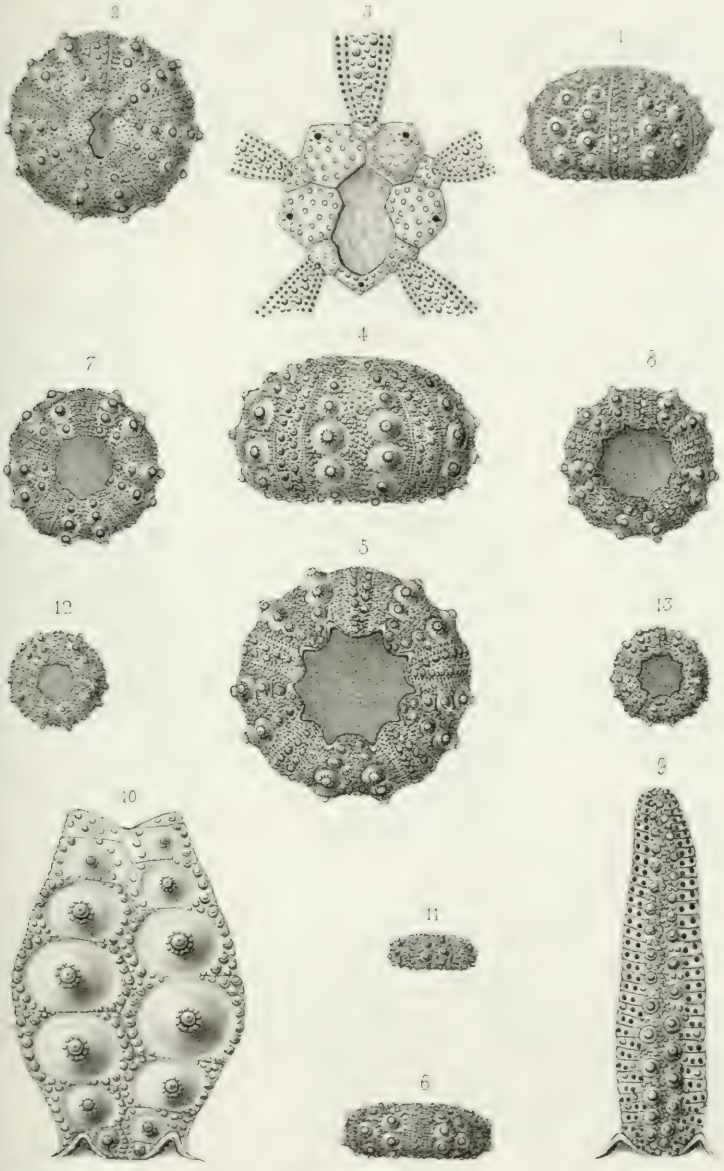
8–12. *Acrosalenia pentagona* Cotteau



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris

Acrosalenia hemicidaroides, Wright. Bathonien.

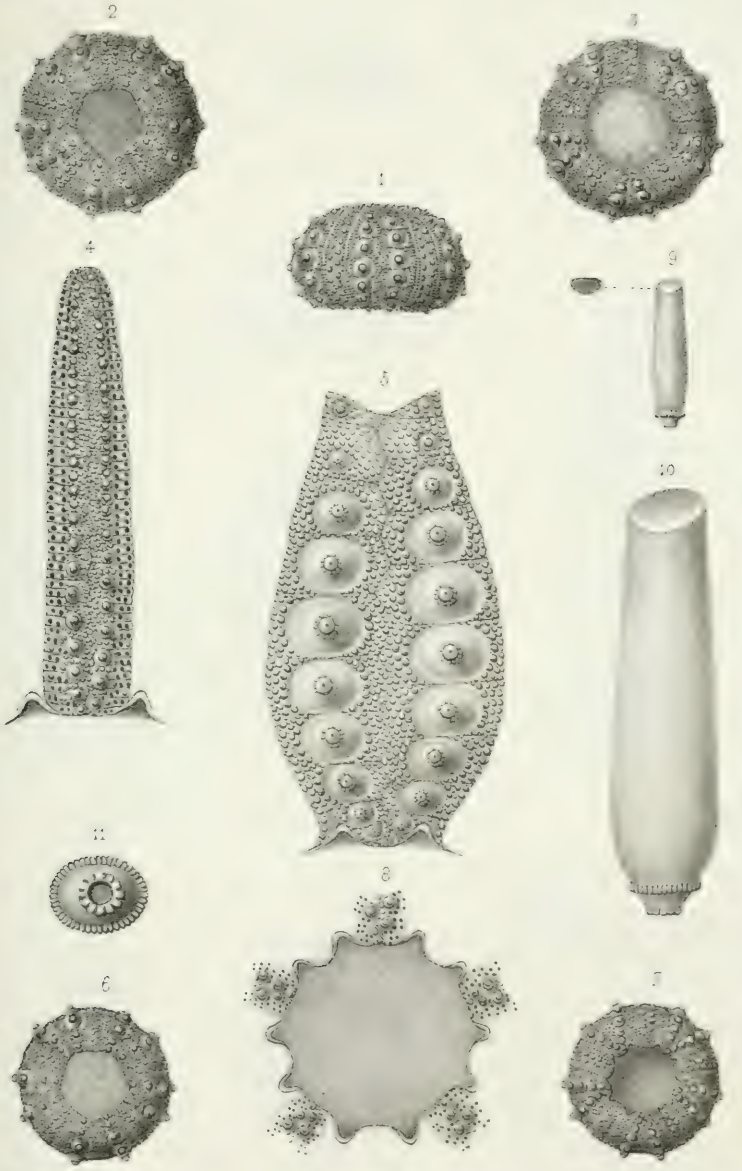
T. Jurassique. Echinides. Pl. 243.



Humbert lith. G. Masson, Editeur. Imp. Becquet, Paris.

1 _ 5. *Acrosalenia hemicidaroides*, Wright Bathonien.

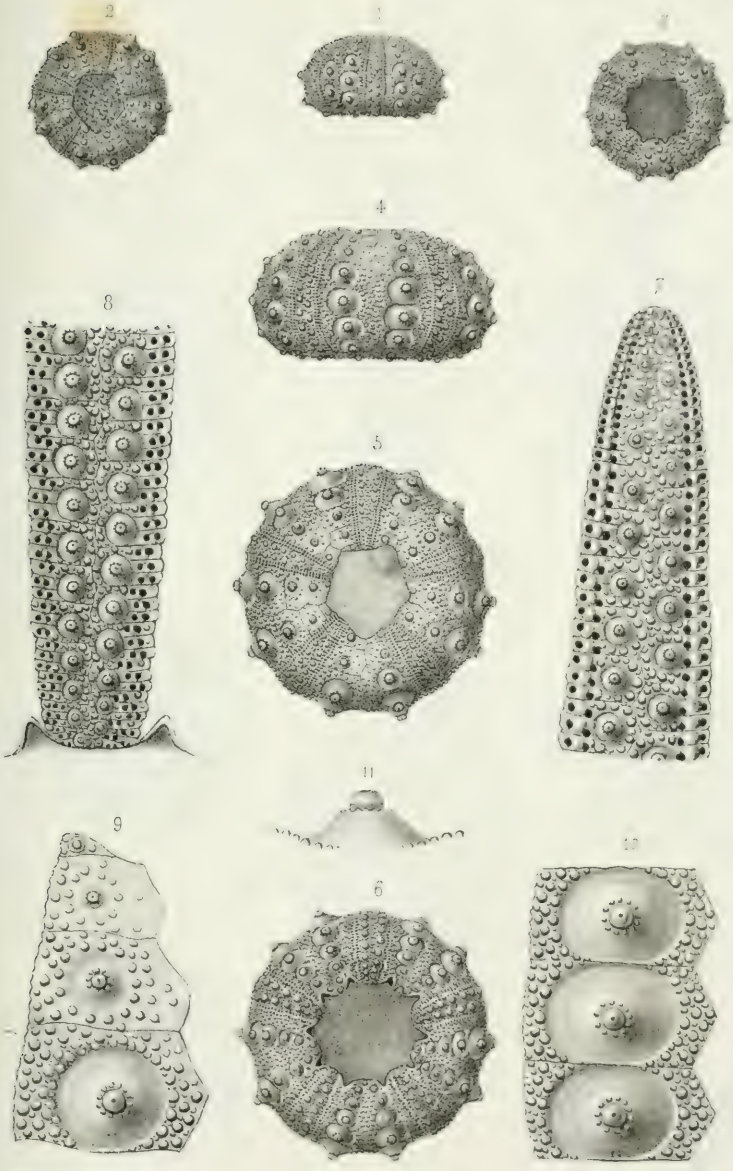
6 _ 13. A. _ _____ *Berthelini*, Cotteau. _____



Humbert lith. G. Masson, Editeur. *Imp. Becquet, Paris*

Acrosalenia Lamarcki, Wright. Bathonien.

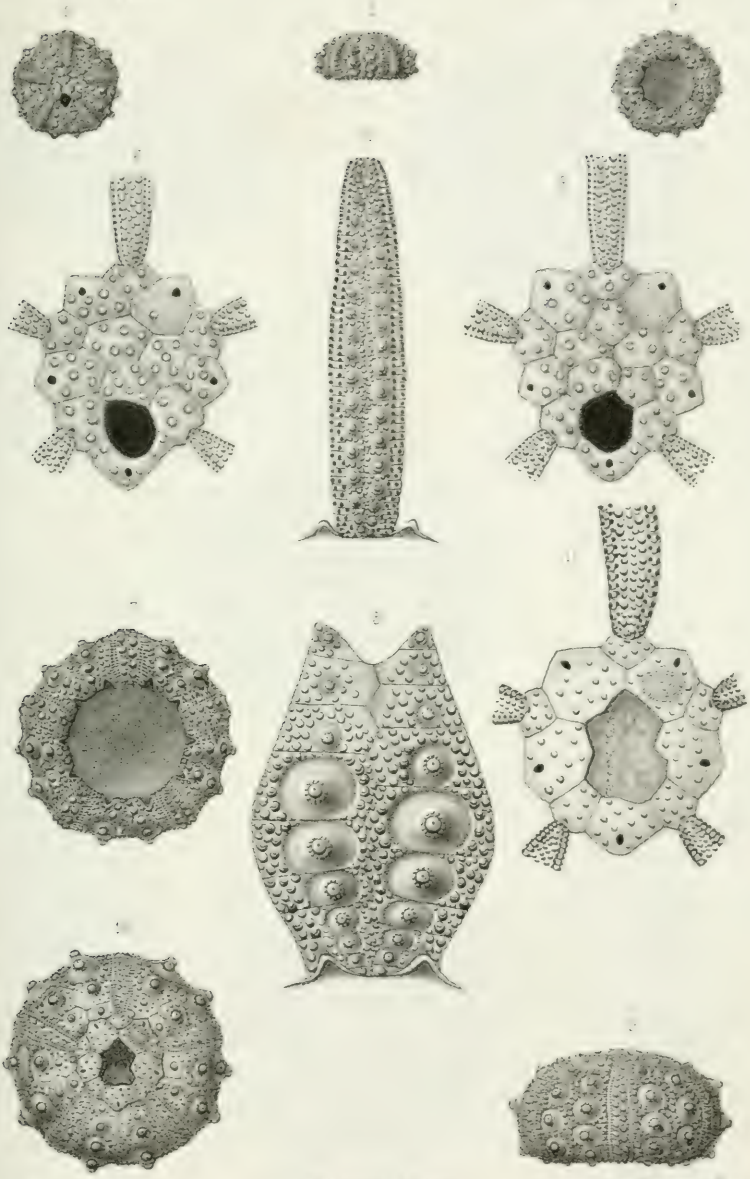
T. Jurassique. Echinides. Pl. 245



Humbert lith G. Masson, Editeur Imp. Becquet Paris

1 _ 3. *Acrosalenia Lamarcki*, Wright. Bathonien.

4 _ 11. *A.* _____ *Lapparenti*, Cotteau. ___ ___

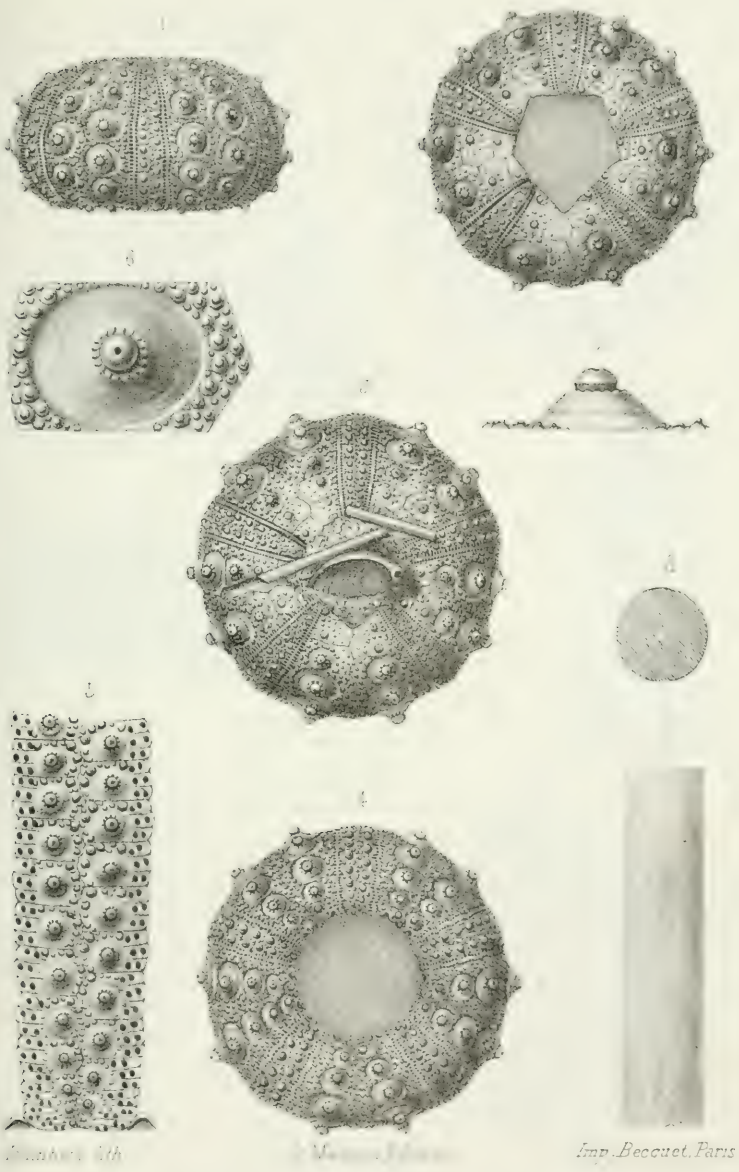


Humbert lith. G. Masson Éditeur Imp. Becquet Paris.

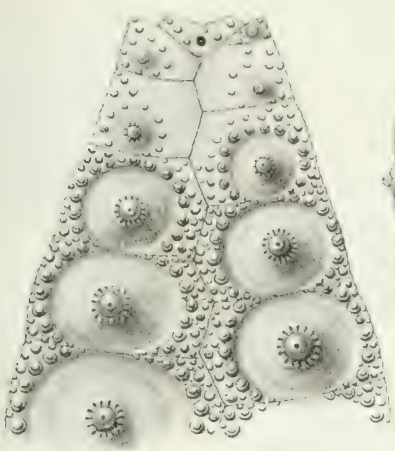
1 _ 8. *Acrosalenia pseudodecorata* Cotteau Bathonien

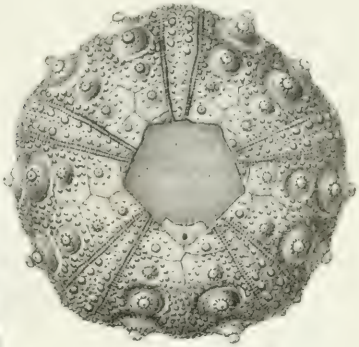
9 _ 11. A. _____ *Marioni*, Cotteau. _____

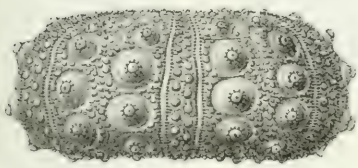
T. Jurassique

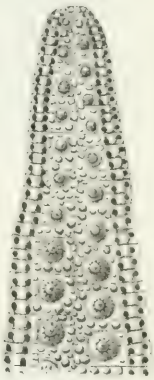


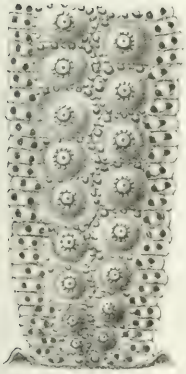
Acrosalenia Marioni, Coteau. Bathonien.

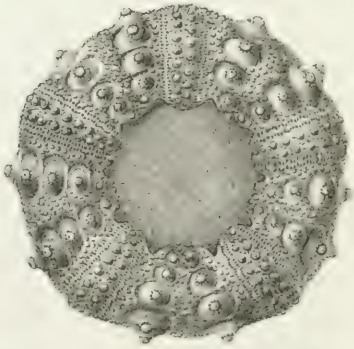




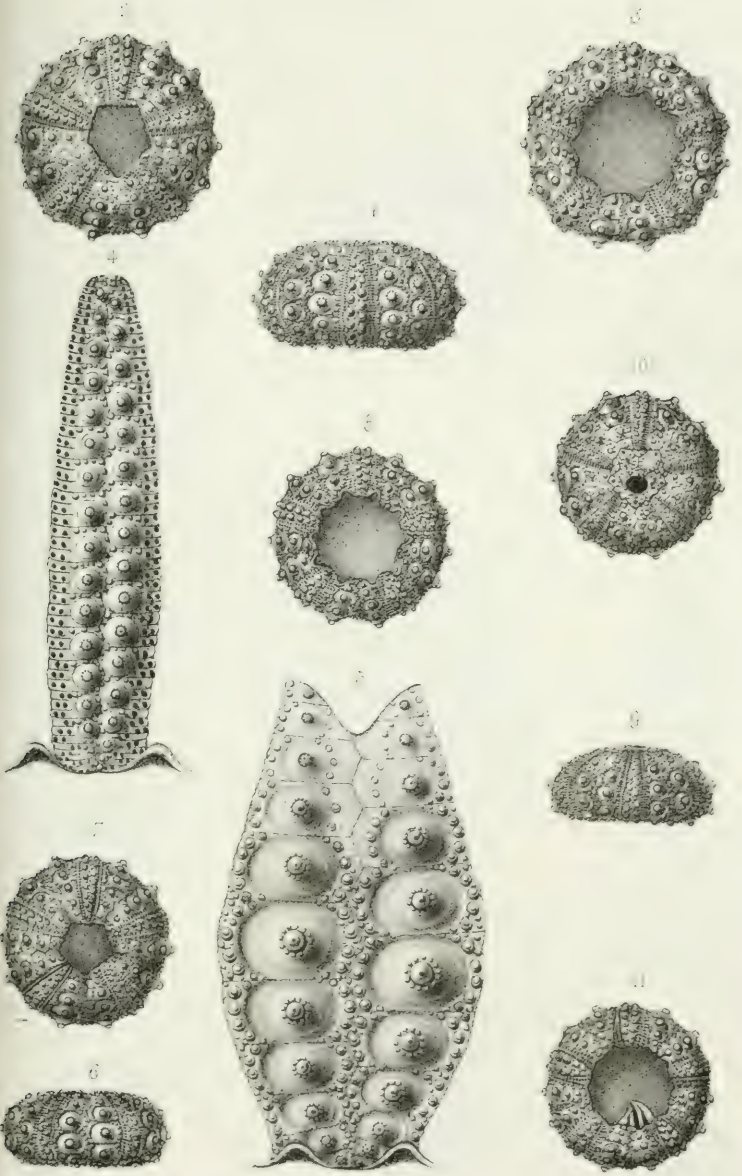






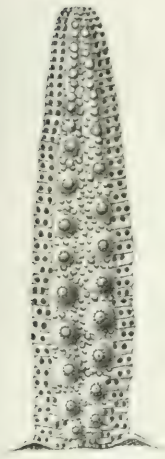


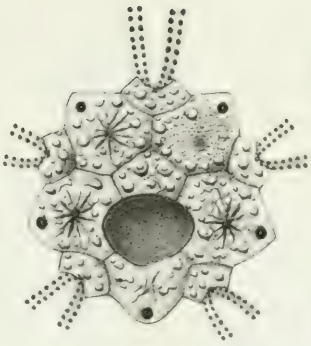
Acrosalenia Marioni, Coteau. Oxfordien.

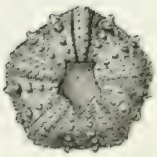


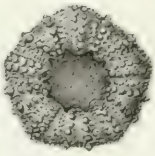
1 – 8. Acrosalenia radians, Desor. Callovien.

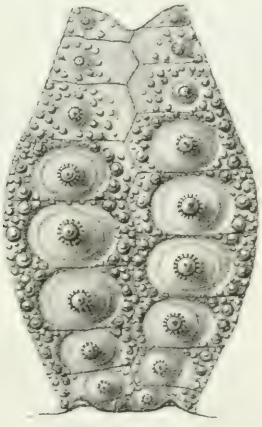
9 11 A. ——— Marcoui, Cotteau Corallien

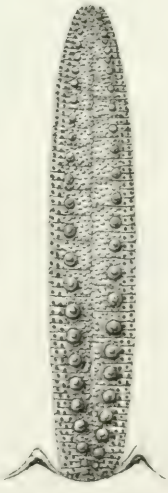


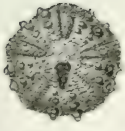


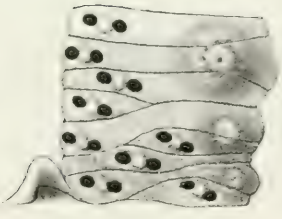


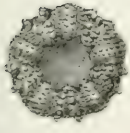






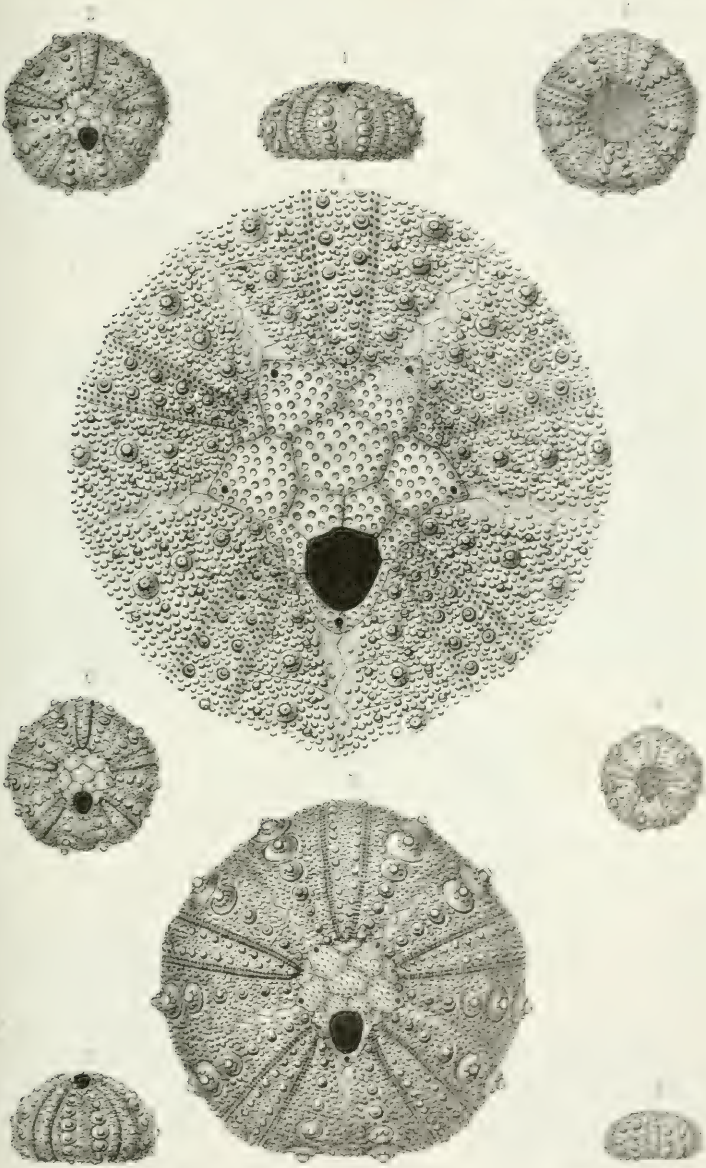




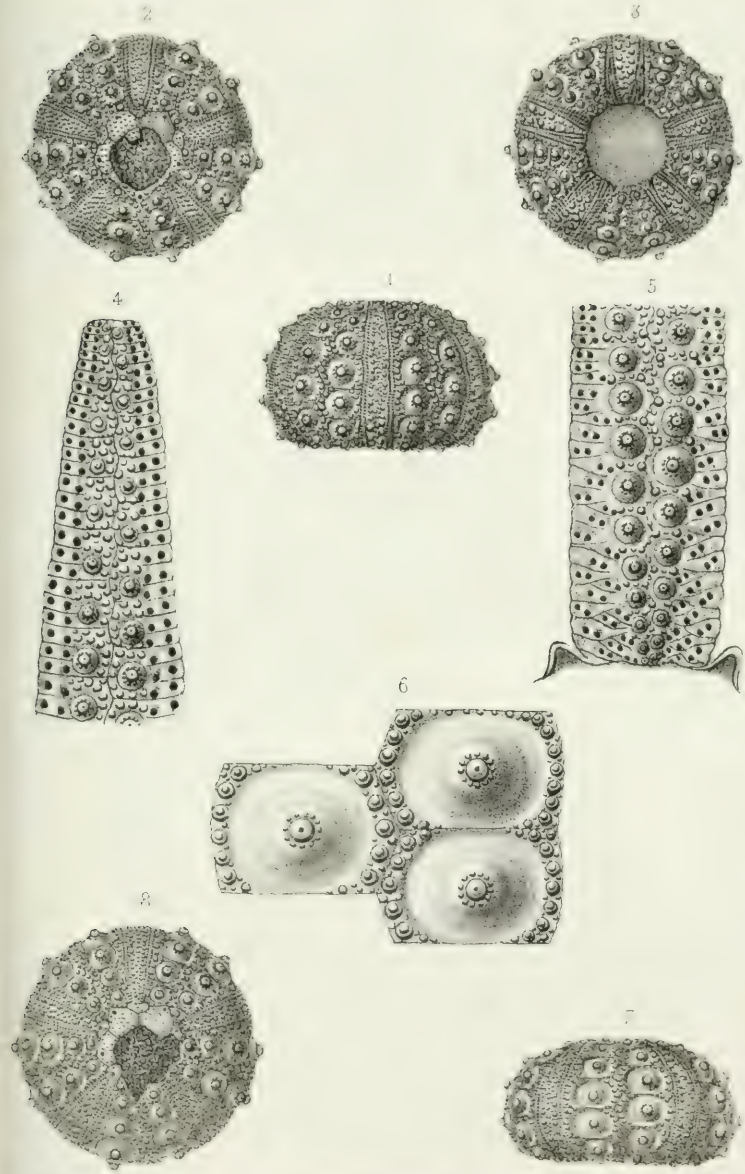


1 - 4. Acrosalenia Marcou Cotteau, Corallien.

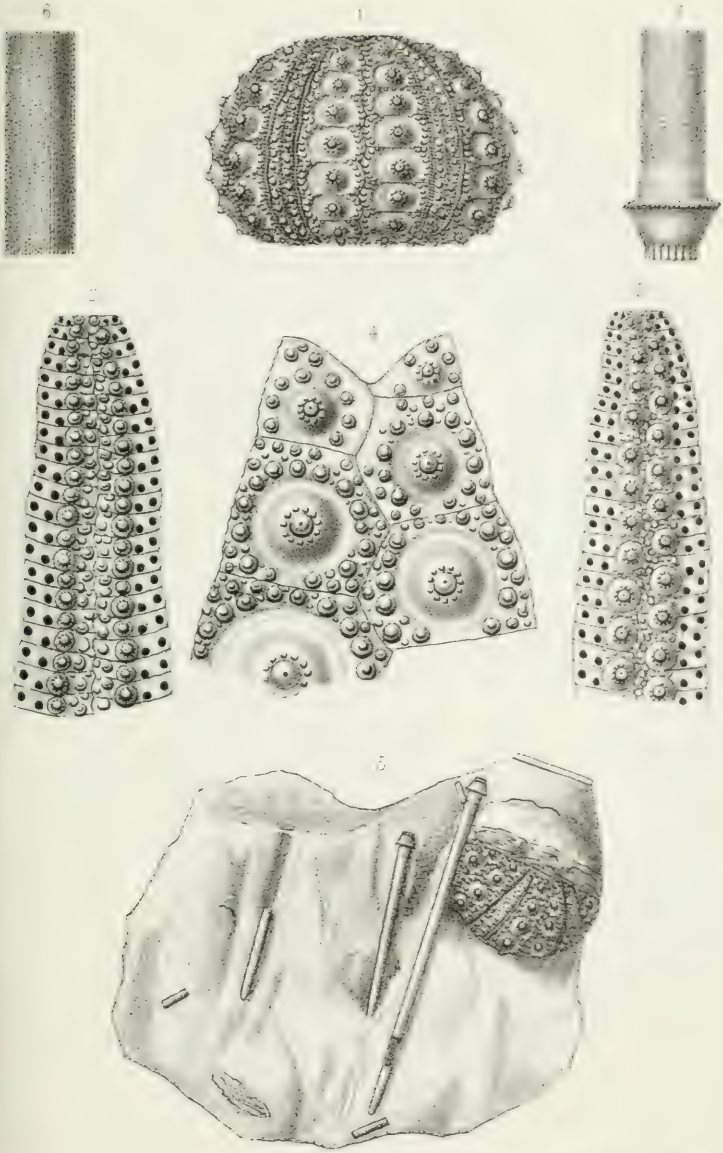
5 - 11. A. ——— angularis, Agassiz, ———



Acrosalenia angularis, Desor. Corallien et Kimméridgien

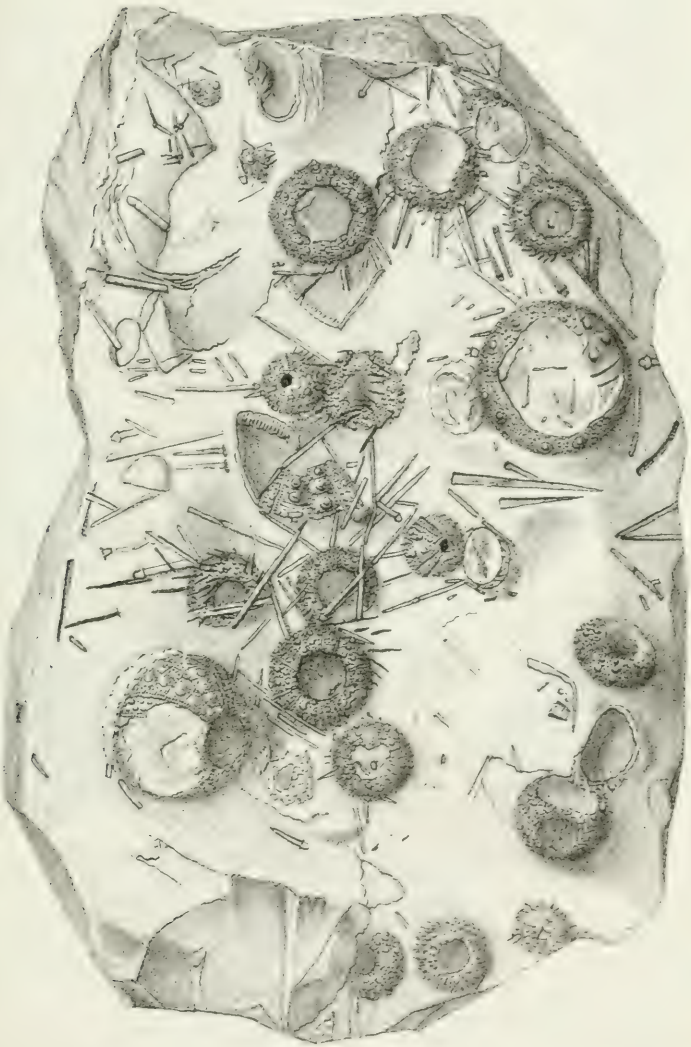


Aeresalenia Kœnigi, Wright Portlandien



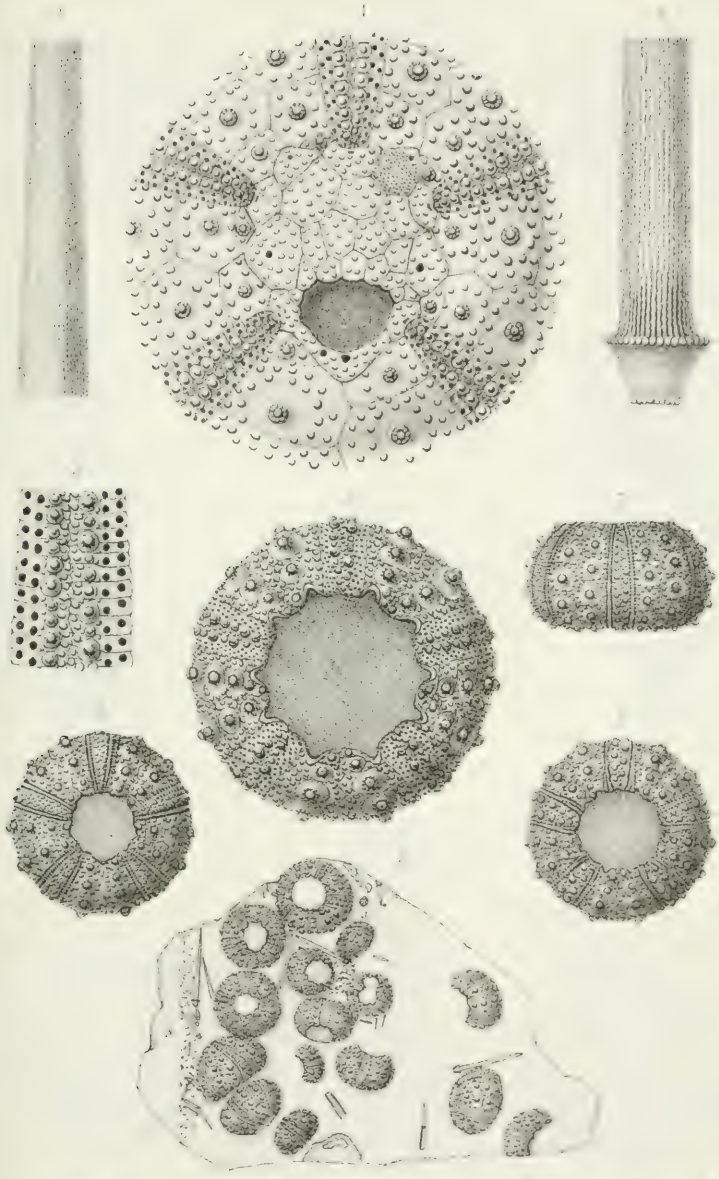
Humbert lith. G. Masson, Editeur. *Imp. Becquet Paris.*

Acrosalenia Kœnigi, Wright. Portlandien

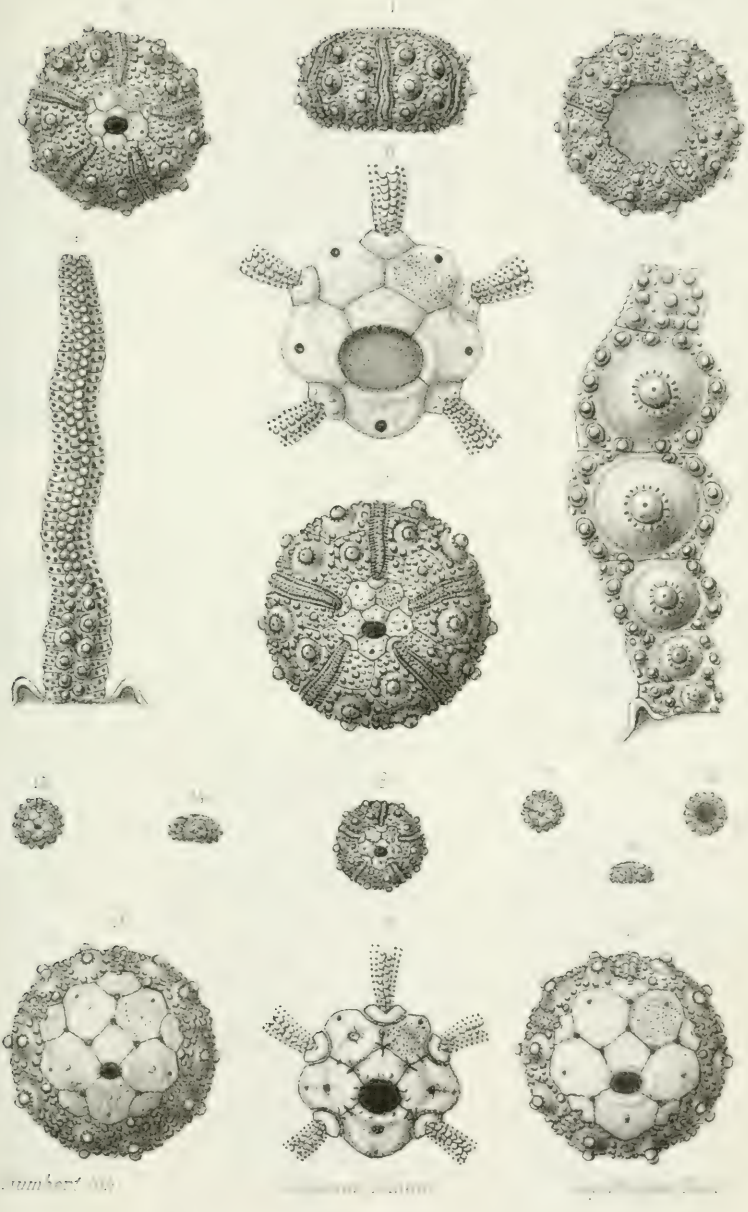


Humbert lith. G. Masson Editeur Imp. Becquet Fils

Acrosalenia Lamberti, Coteau Portlandien.

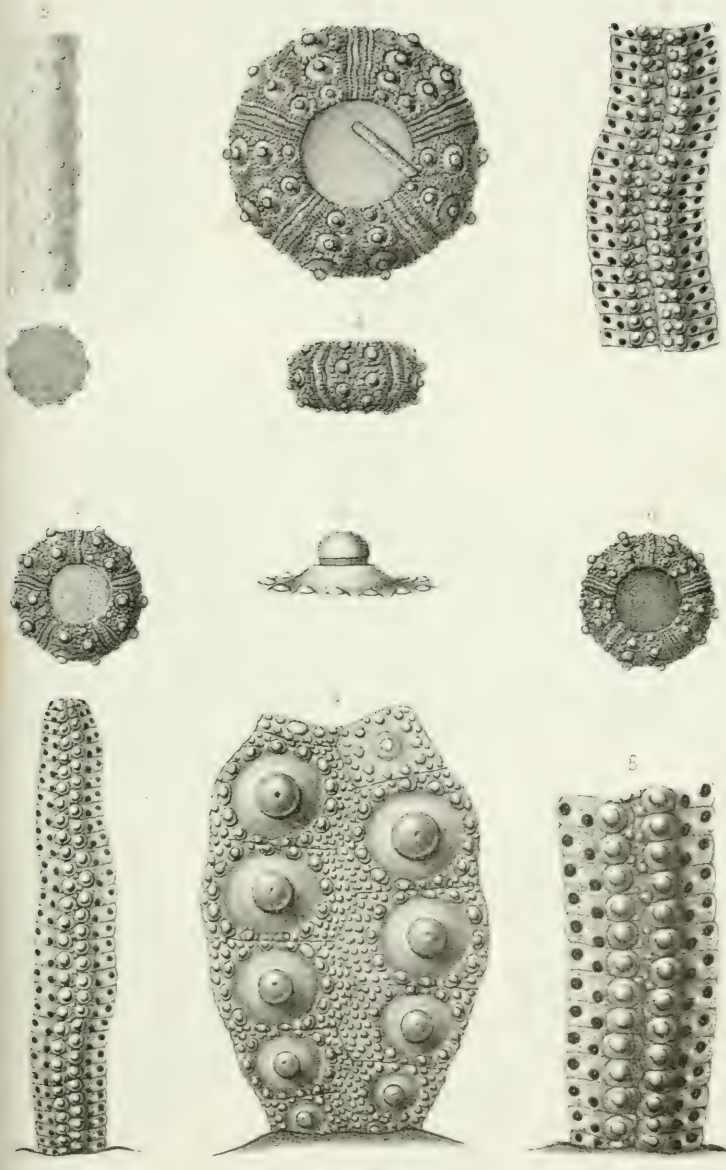


Acrosalenia Lamberti, Cotteau Portlandien



1 — 9. *Pseudosalenia aspera* Etallon. Corallien.

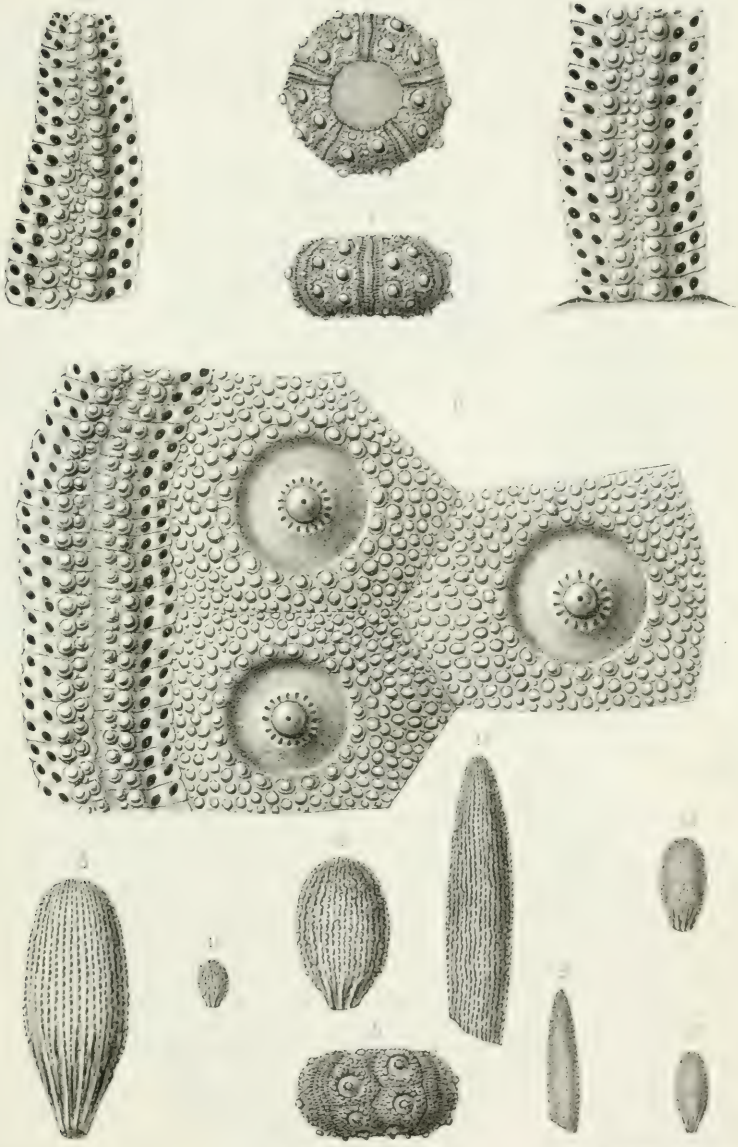
10 — 16. *Peltastes Vuilleti* de Loriol.



Humbert lith. G. Masson Editeur Imp. Becquet Paris

1 . 3 *Cidaris sublævis*, Cotteau Bajocien

4 . 10 *C. Honorinæ*, — —



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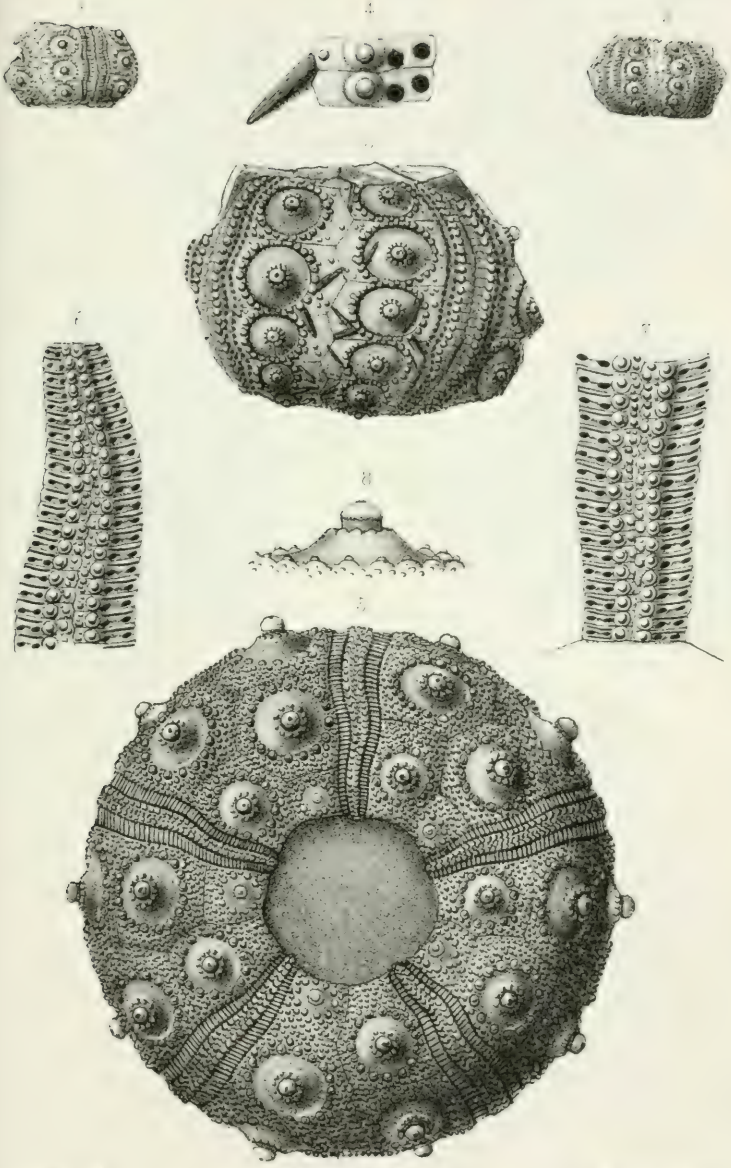
1 – 4. *Cidaris Honorinæ*, Cotteau. Bajocien.

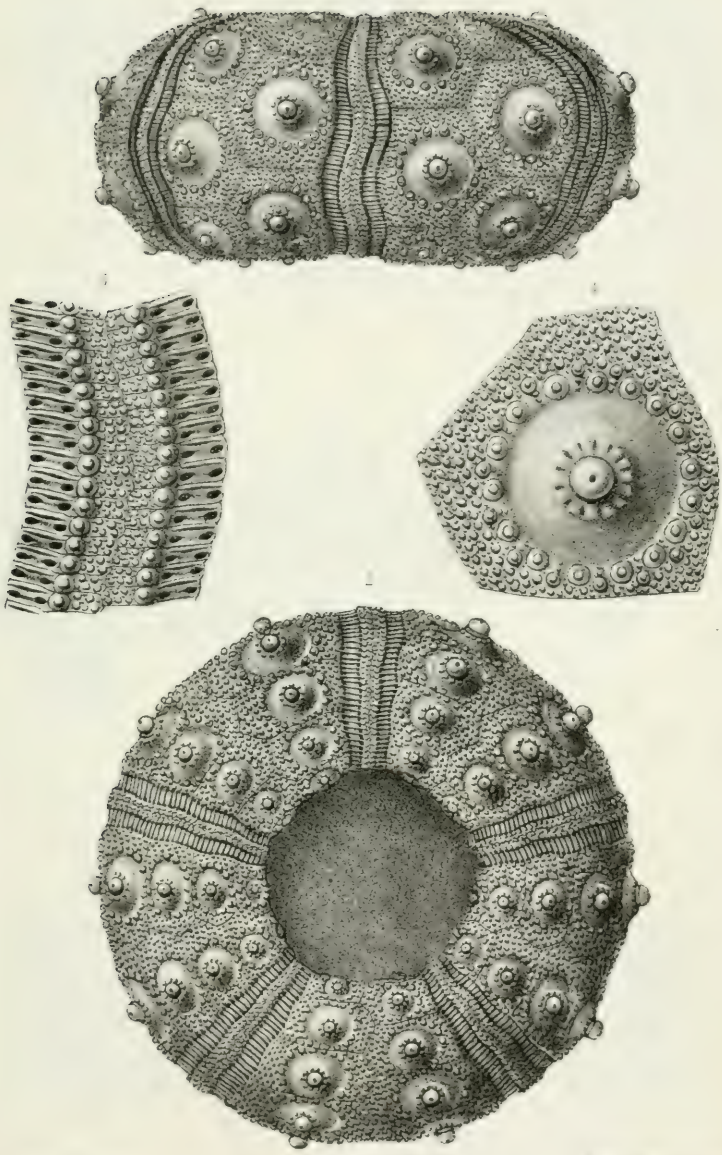
5 – 6. *C. Caumonti*

7 – 13. *C. lamillosa*

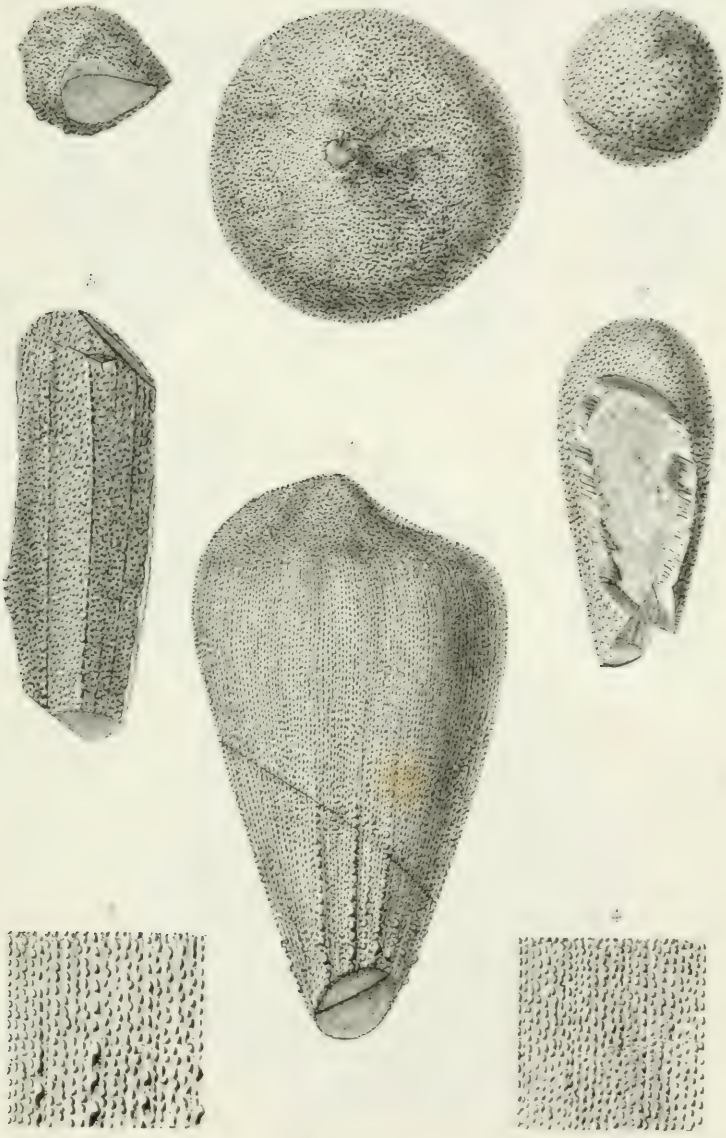


1 à 4. *Cidaris Matheyi*, Desor. Bathonien

5 à 8. *Rhabdocidaris nobilis*, Desor. Oxfordien sup.



Rhabdocidaris nobilis, Desor



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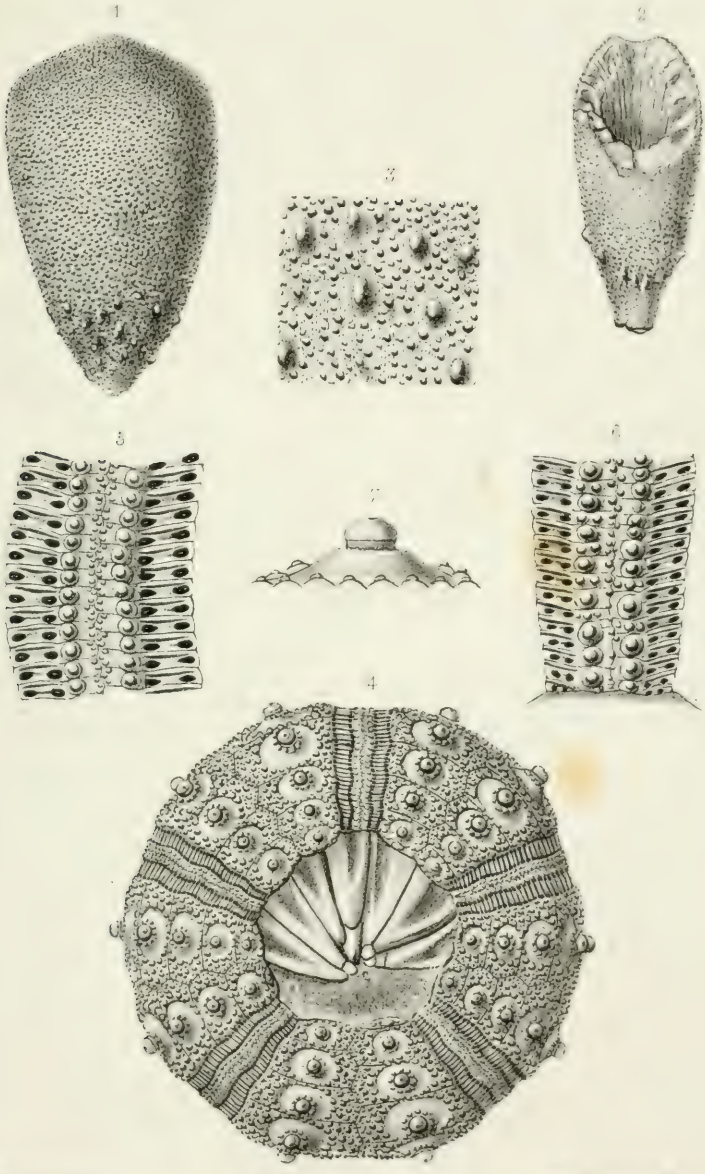
Rhabdocidaris crassissima, Cotteau. Séquanien.



G. Masson, Editeur

1–3. *Rhabdocidaris crassissima*, Cotteau. Séquanien

4–7. *R.* ——— *Orbignyana*, Desor. Kimmeridgien

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