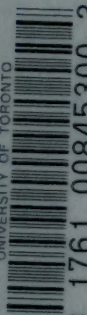


UNIVERSITY OF TORONTO



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PALÉONTOLOGIE FRANÇAISE

Orbigny, Alcide Dessalines d'

PALÉONTOLOGIE FRANÇAISE
OU
DESCRIPTION
DES FOSSILES DE LA FRANCE

continué
PAR UNE RÉUNION DE PALÉONTOLOGISTES

SOUS
LA DIRECTION D'UN COMITÉ SPÉCIAL

2^o Série. — **VÉGÉTAUX**

PLANTES JURASSIQUES

PAR
LE COMTE DE SAPORTA

—
TOME II
—

Cycadées

ATLAS

PARIS
G. MASSON, ÉDITEUR
LIBRAIRE DE L'ACADÉMIE DE MÉDECINE
Place de l'École-de-Médecine, 17.

1875

33360
575/94

PALEONTOLOGIE FRANCAISE
DES FOSSILES DE LA FRANCE

PAR UNE REUNION DE PALEONTOLOGISTES
LA DIRECTION DU COMITE SPECIAL

2. Série - VERTICAUX

QE

755

F8

07

Sect. B

2. Ser.

t. 2

ATLAS

PARIS

G. MASSON, EDITEUR

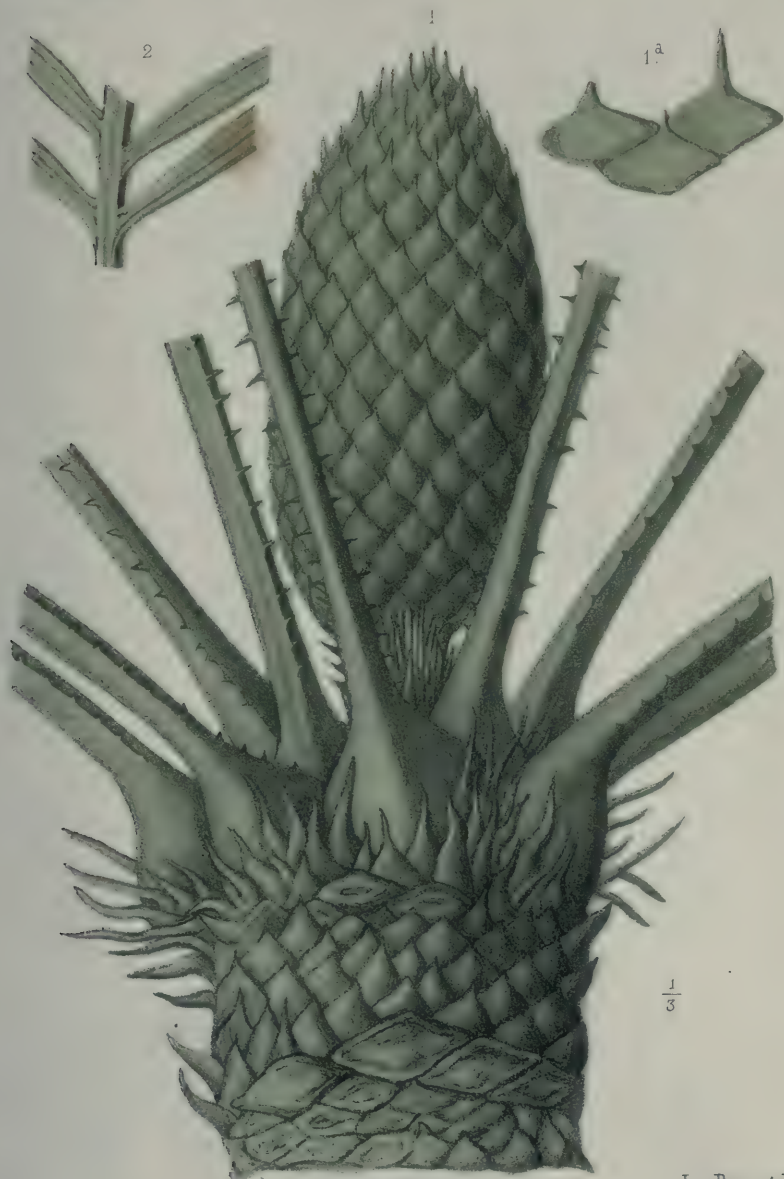
LIBRAIRE DE L'ACADEMIE DE MEDICINE

17, Boulevard de la Sorbonne, Paris

1912



33883
2/1/12



Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.

CYCADÉES ACTUELLES (organes caractéristiques.)

- 1. G. Cycas (tige surmontée d'un cône mâle)
- 2. — — — (portion de fronde.)



CYCADÉES ACTUELLES (organes caractéristiques.)

- | | |
|--------------------------------------|------------------------------------|
| 1. <i>G. Cycas</i> (base de fronde.) | 4. <i>G. Cycas</i> (androphylle.) |
| 2-3. ——— (carpophylles.) | 5. <i>G. Zamia</i> (cône femelle.) |
| 6-7. <i>G. Zamia</i> (carpophylles.) | |



Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris

CYCADÉES ACTUELLES (organes caractéristiques.)

- | | |
|---|---|
| 1. <i>G. Encephalartos</i> (propagule.) | 3. <i>Macrozamia</i> (portion de fronde.) |
| 2. ————— (cône femelle.) | 4. <i>G. Zamia</i> (sommité de fronde.) |

1

2

3

1^a

$\frac{1}{2}$

Formant lith.

G. Masson, Éditeur.

Imp. Becquet, Paris.

CYCADÉES ACTUELLES (organes caractéristiques.)

1-3. G. Encephalartos (portion de fronde et pinnules.)





Formant lith.

G. Masson, Editeur.

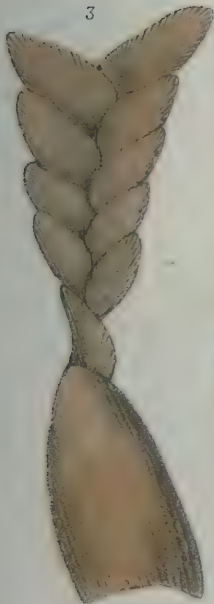
Imp. Lecquet, Paris.

CYCADÉES ACTUELLES (organes caractéristiques.)

- | | |
|--|--|
| 1. <i>G. Encephalartos</i> (port général.) | 3. <i>G. Cycas</i> (appendices corticaux.) |
| 2. <i>Zamia calocoma</i> D.C. (portion de tige.) | 4. <i>G. Dioon</i> (id.) |
| 5. <i>G. Ceratozamia</i> (Carpophylle.) | |



$\frac{1}{4}$



3



4



2

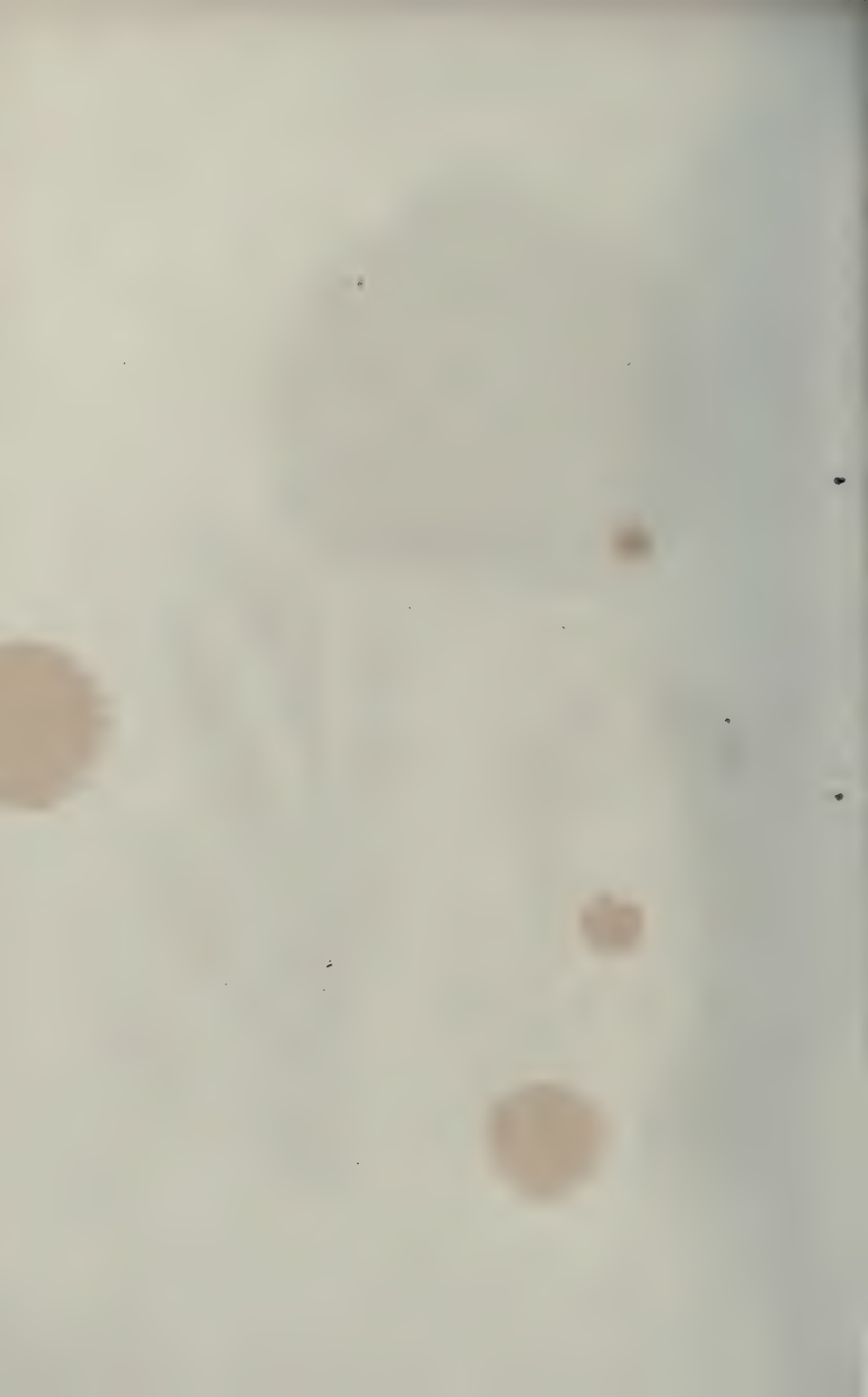
Formant lith.

G. Masson. Editeur.

Imp. Becquet. Paris.

CYCADÉES FOSSILES (organes caractéristiques.)

1. Cycadeoidea (Echinostachys) microphylla, Buckl.
2. Podozamites distans, Presl. (plante jeune ou propagule.)
- 3-4. Otozamites sp. (plantes jeunes.)



2

1



5^a

3

5

4

Normant lith.

G. Masson, Editeur.

Imp. Becquet Paris.

CYCADÉES FOSSILES (organes caractéristiques.)

1. 2. *G. Cycadospadix*, Schimp. (spadices femelles) | 4. *G. Zamiostrabus*, Endl. (cône femelle.)
 3. *G. Beania*, Carruth. (cône femelle.) | 5. Cône de *Zamiée* tertiaire.



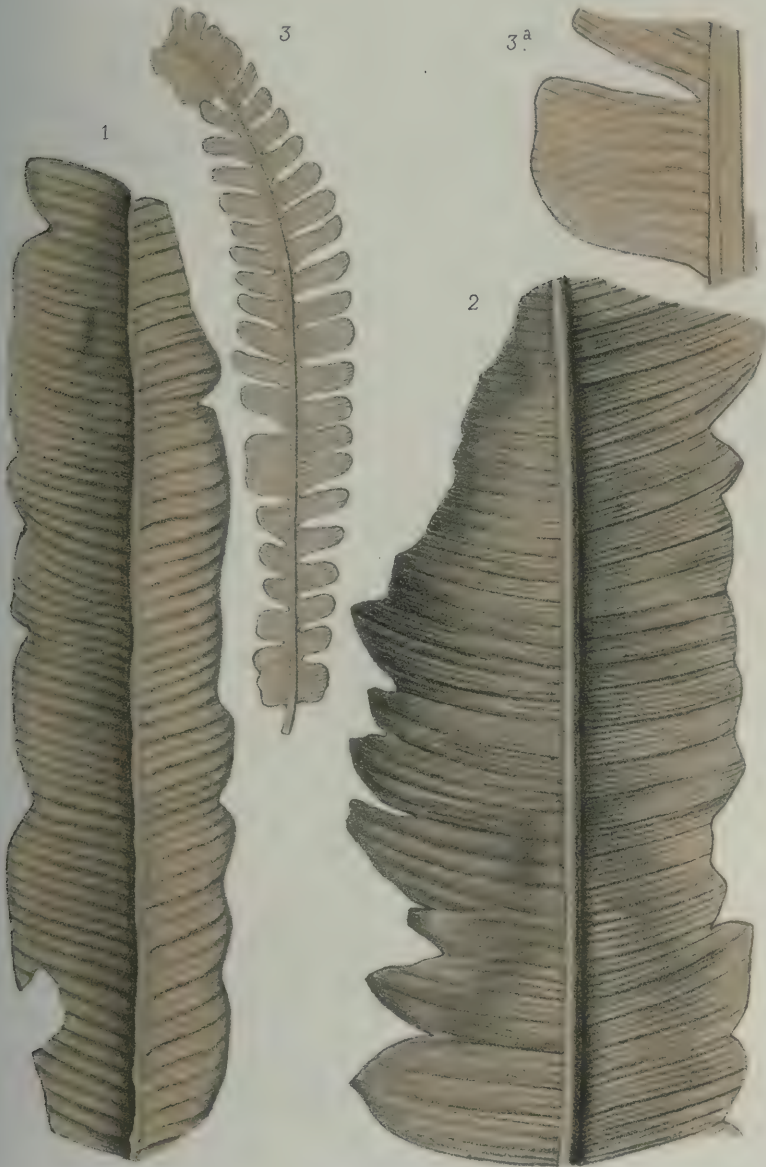
romant lith.

G. Masson, Editeur.

Imp. Bécquet, Paris.

CYCADÉES FOSSILES (organes caractéristiques.)

- 1. Zamiosirobus (Androstrobus) Guerangeri, Brngt. (cône mâle.)
- 2-7. G. Næggerathiä, Sternb. (folioles.)



Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.

1-2. *Nilssonia brevis*, Brongn.

3. *Anomozamites inconstans*, Schimp.



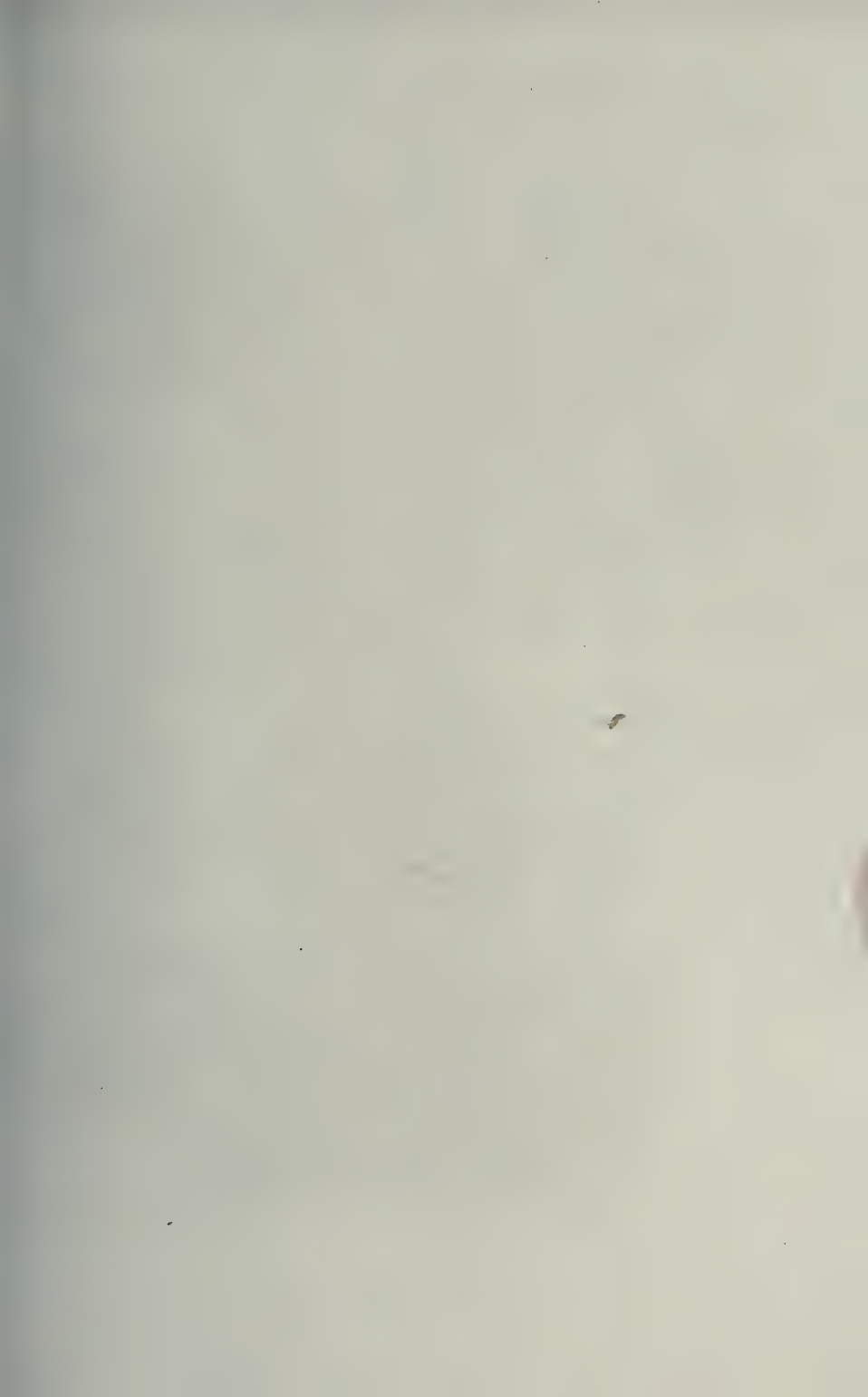
Formant lith.

G. Masson, Editeur.

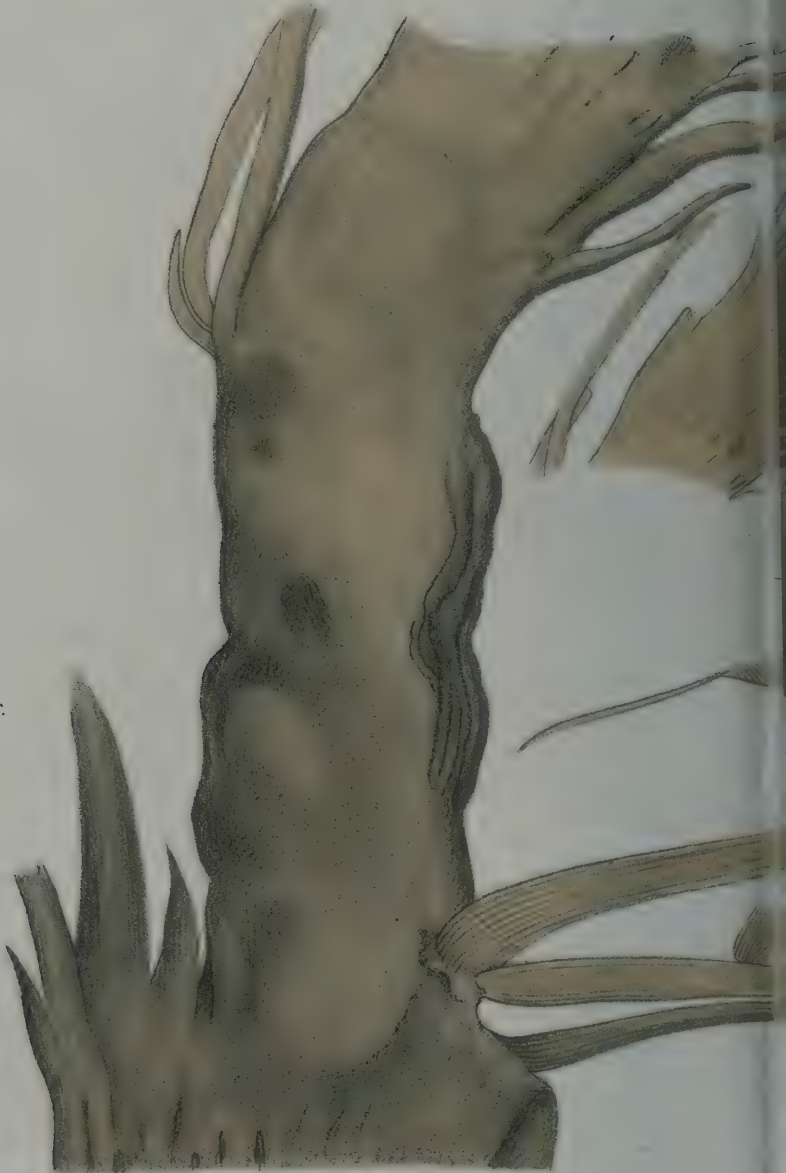
Imp. Becquet, Paris.

1. *Pterophyllum Jægeri*, Brongn.

2. *Ctenophyllum Braunianum*, Schimp.



1



Formant lith.

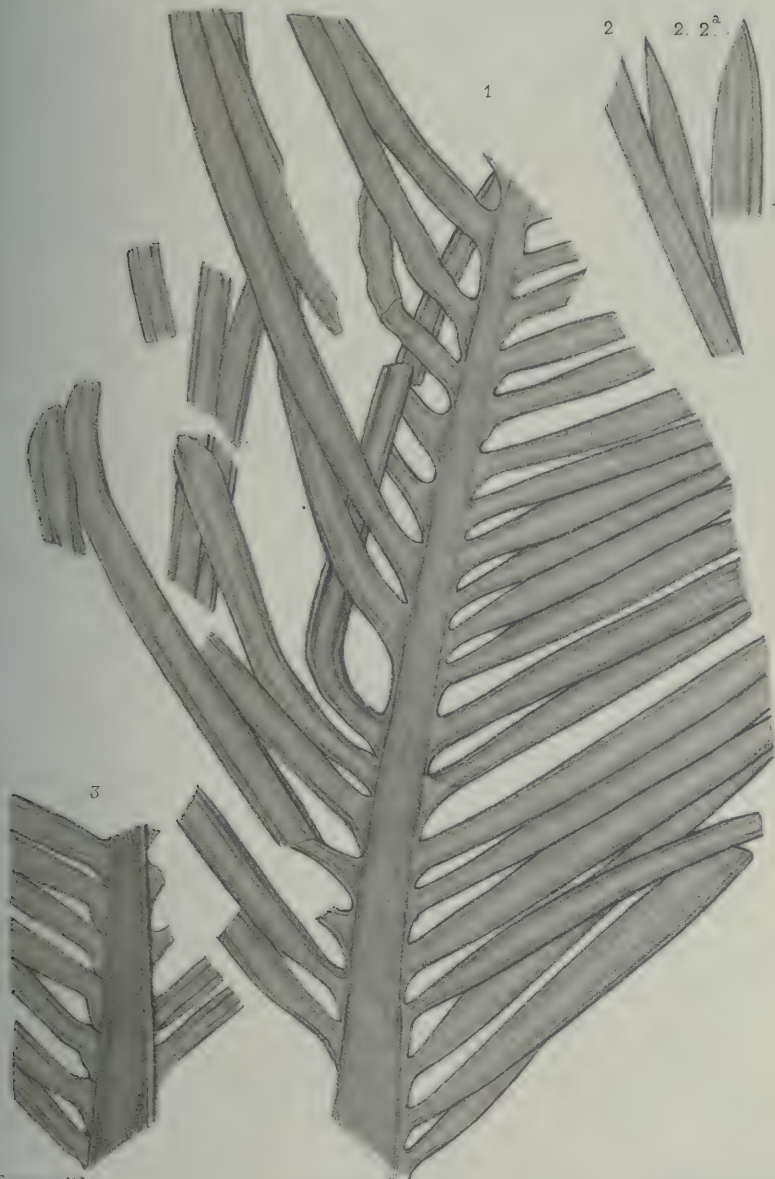
1. Zamit
2. Dior

2^a

2



Imp. Becquet, Paris.

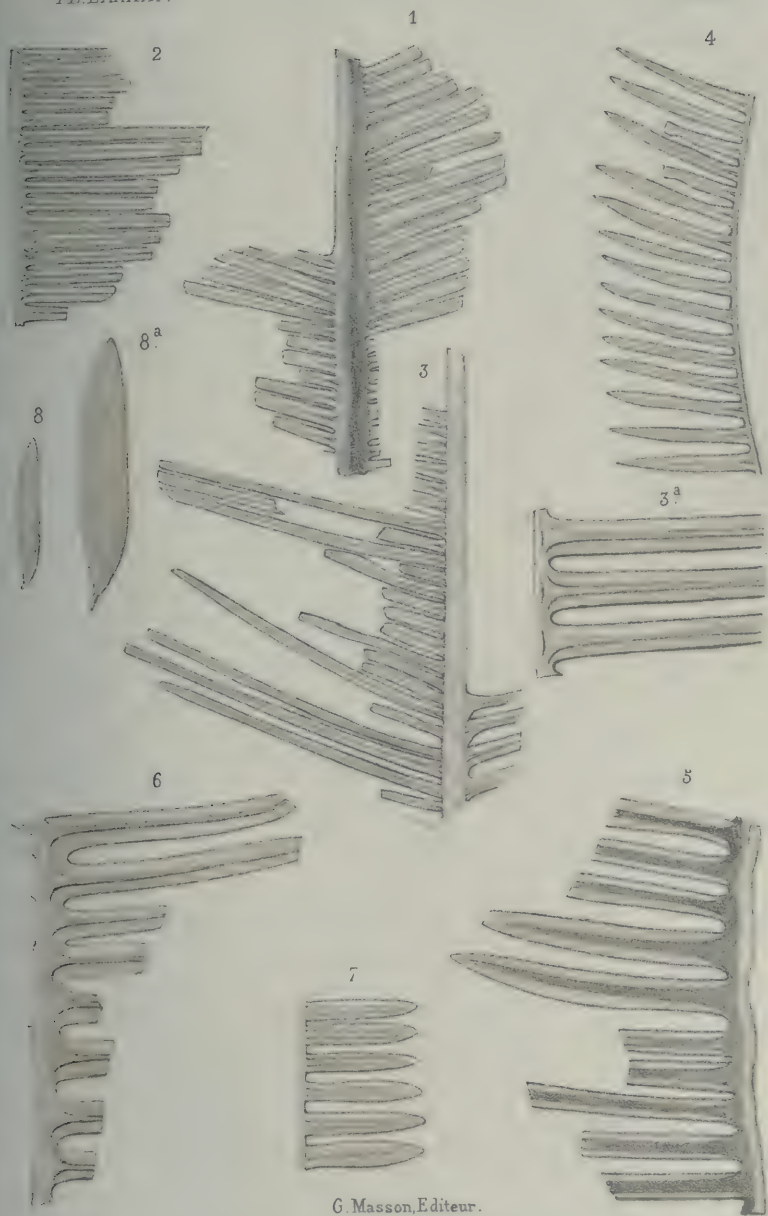


Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.

1-3. *Cycadites Lorteti*, Sap.



G. Masson, Editeur.

Imp. Becquet, Paris.

Formant lith.

1-4. *Cycadites rectangularis*, Brauns.

5-7. *C. ——— Delessei*, Sap.

8. *Podozamites parvulus*, Sap.



Formant lith.



Imp. Becquet, Paris.

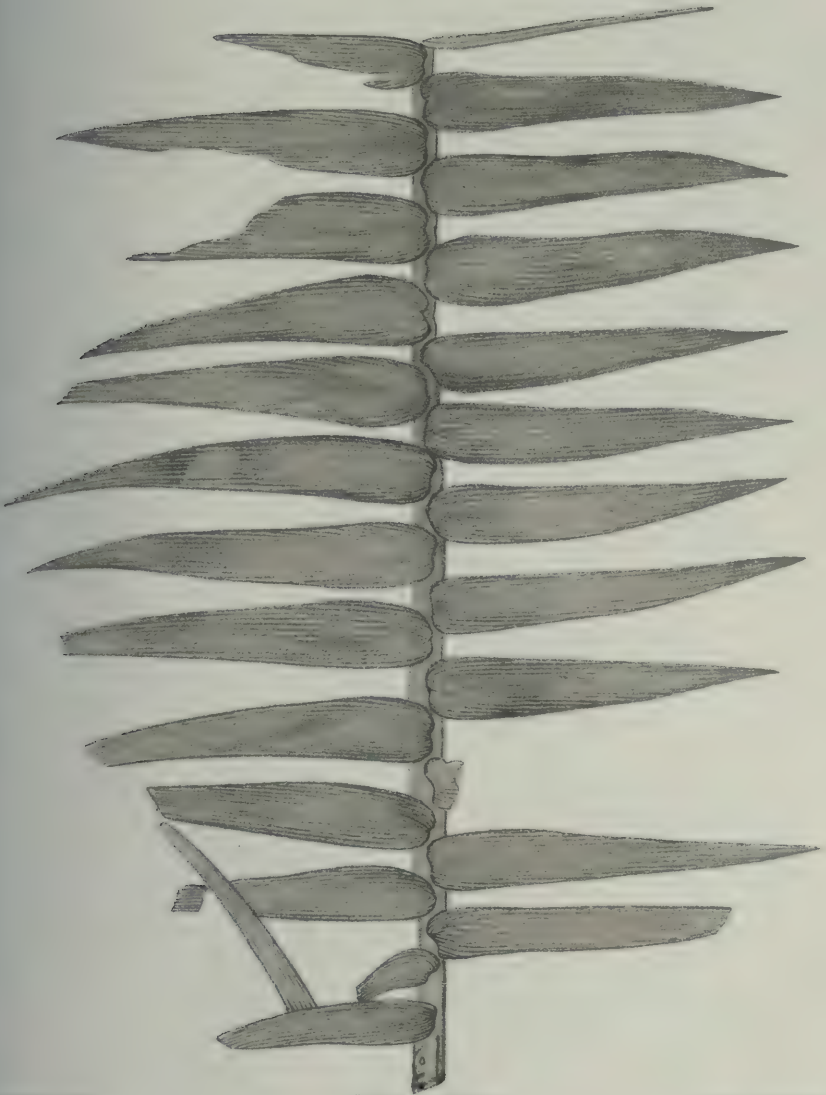


Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.

1 - 2. *Zamites Moreaui*, Brongn.



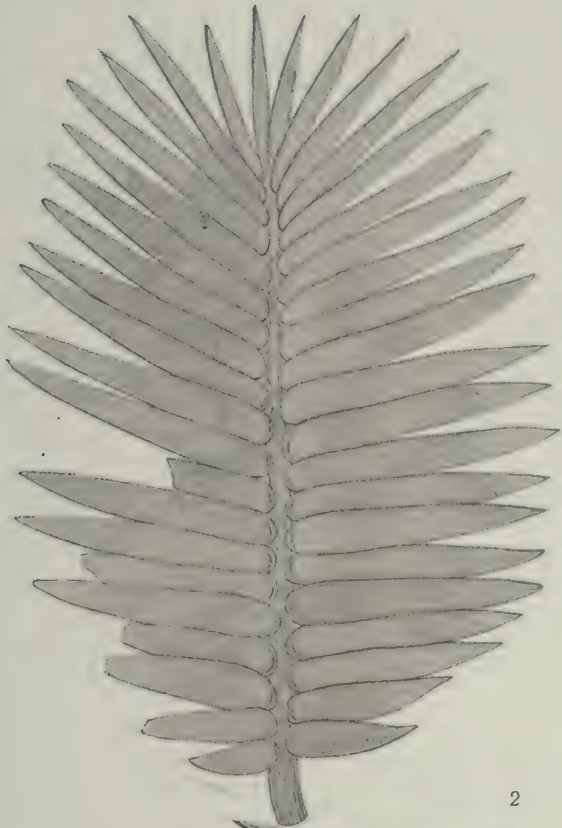
Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.

Zamites acerosus, Sap.

1



2



Formant lith.

G. Masson, E. diteur.

Imp. Bécquet, Paris.

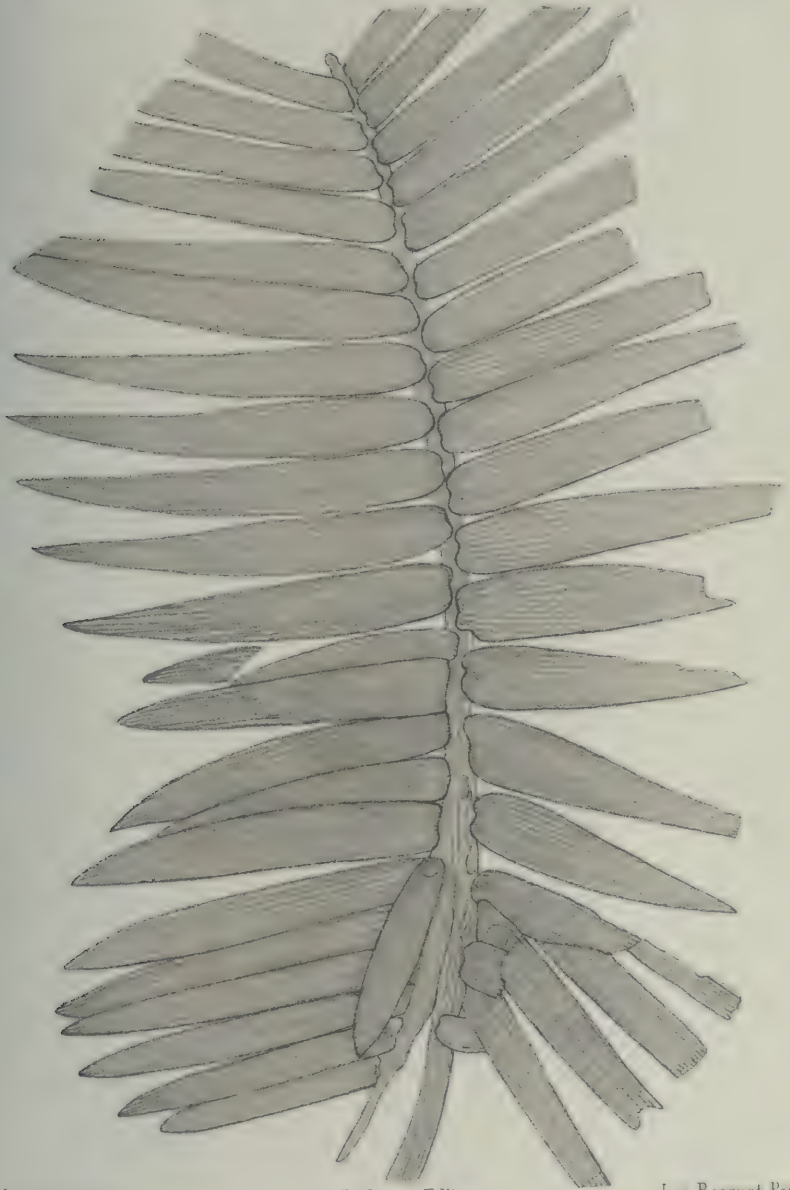
1-2. *Zamites Feneonis*, Brongn.

T. Jurassique. Végétaux.
PL. LXXXVIII.



Formant lith.





Formant lith.

G. Masson. Editeur.

Imp. Becquet, Paris

Zamites Feneonis, Brongn.

T. Jurassique. Végétaux.

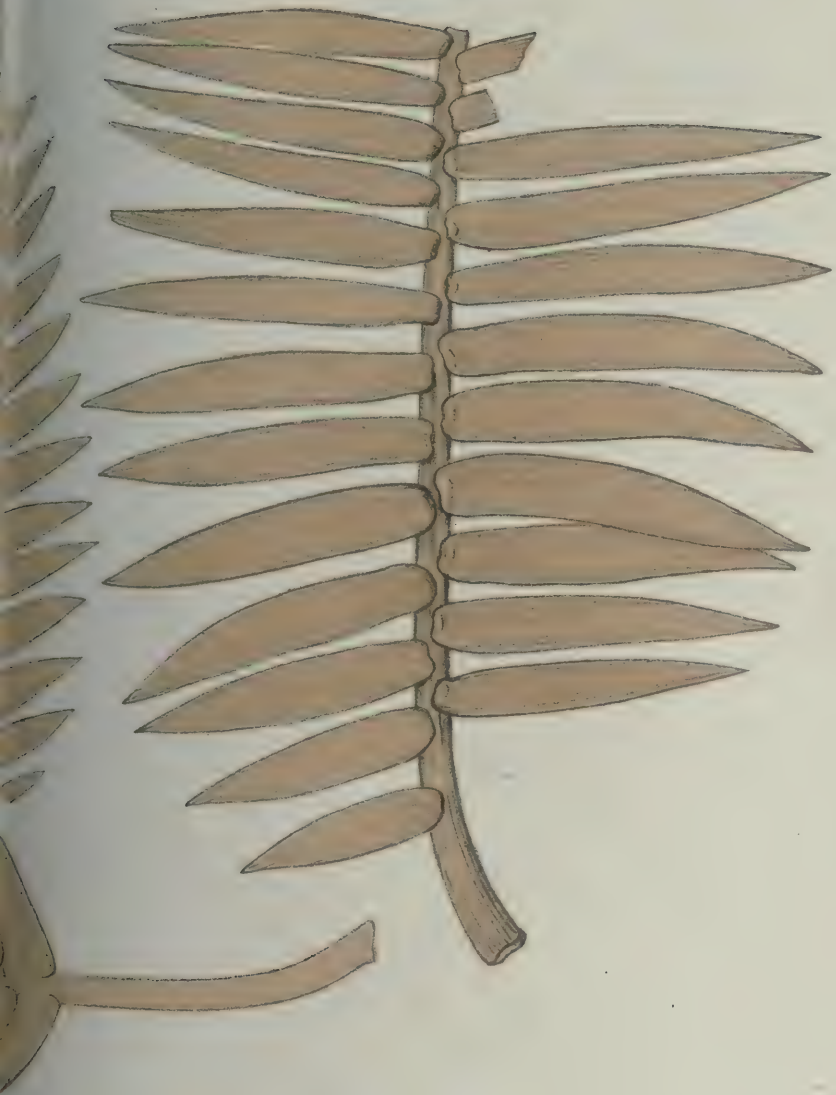
PL. XC.

1



Formant lith.

1 - 2. Zamite
3. Z. _____



Imp. Becquet, Paris.

gn.
articulatus, Sap.



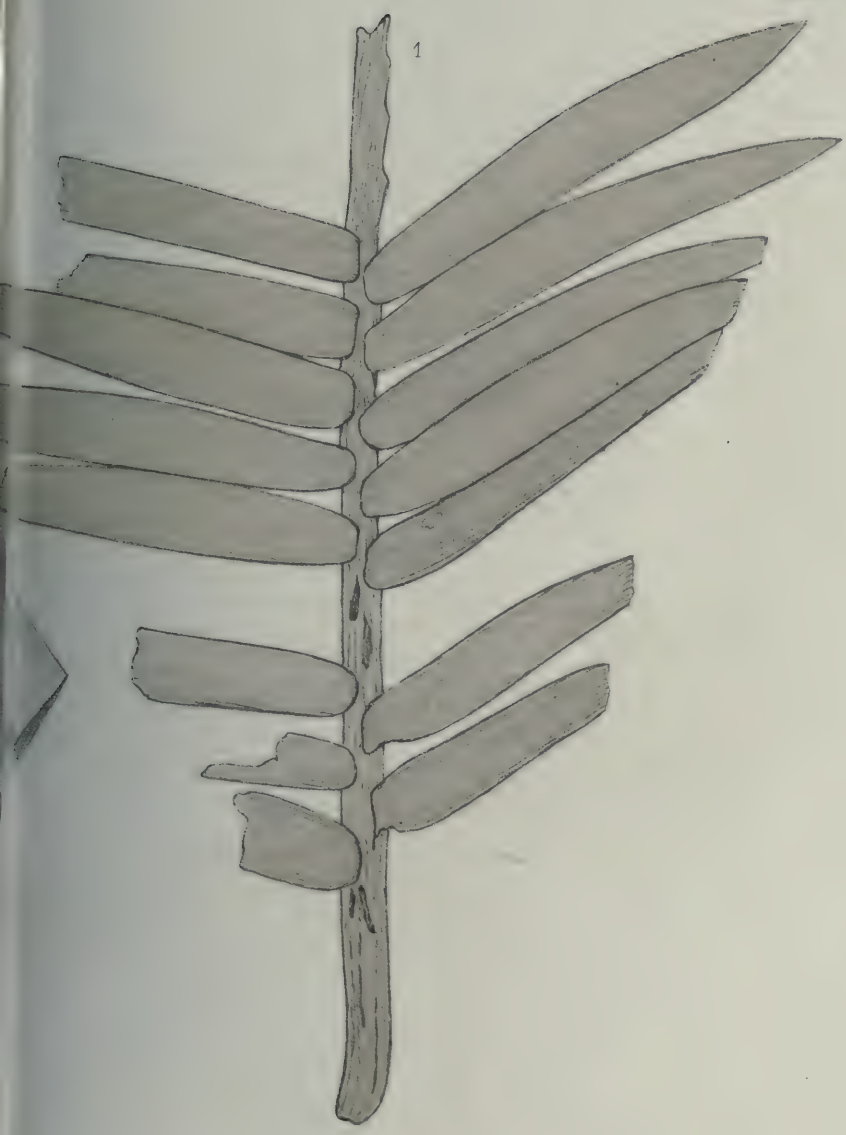
T. Jurassique. Végétaux.

PL. XCII.



Formant lith.

1. *Zamites Fenconis*, Var. *articulata*
 2. ——— *procerus*, Sap. ———

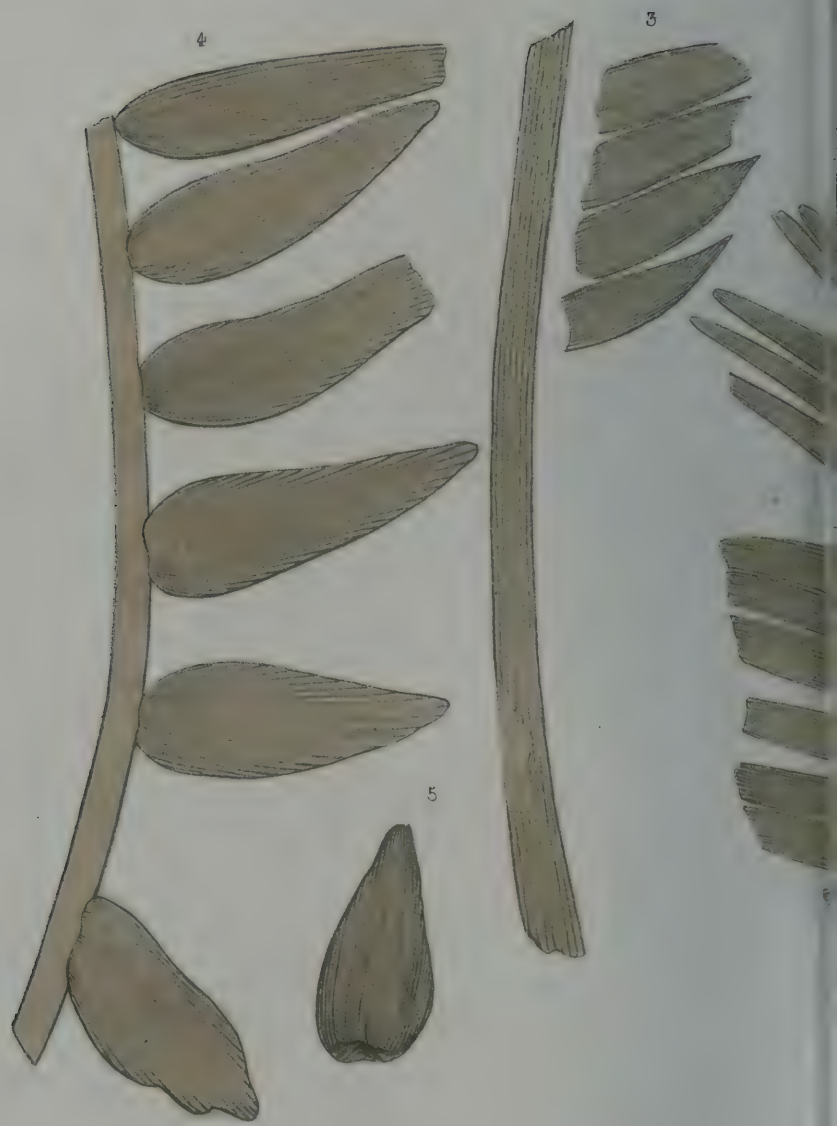


Imp. Becquet, Paris.

Podozamites cuspidatus, Sap.
Zamites pumilio, Sap.

T. Jurassique. Végétaux.

PL. XCIII.



Formant lith.

- 1. *Zamites claravallensis*
- 2. ——— *Renevieri*, He



imp. Becquet, Paris

ites fallax, Sap.
—— distractus, Sap.



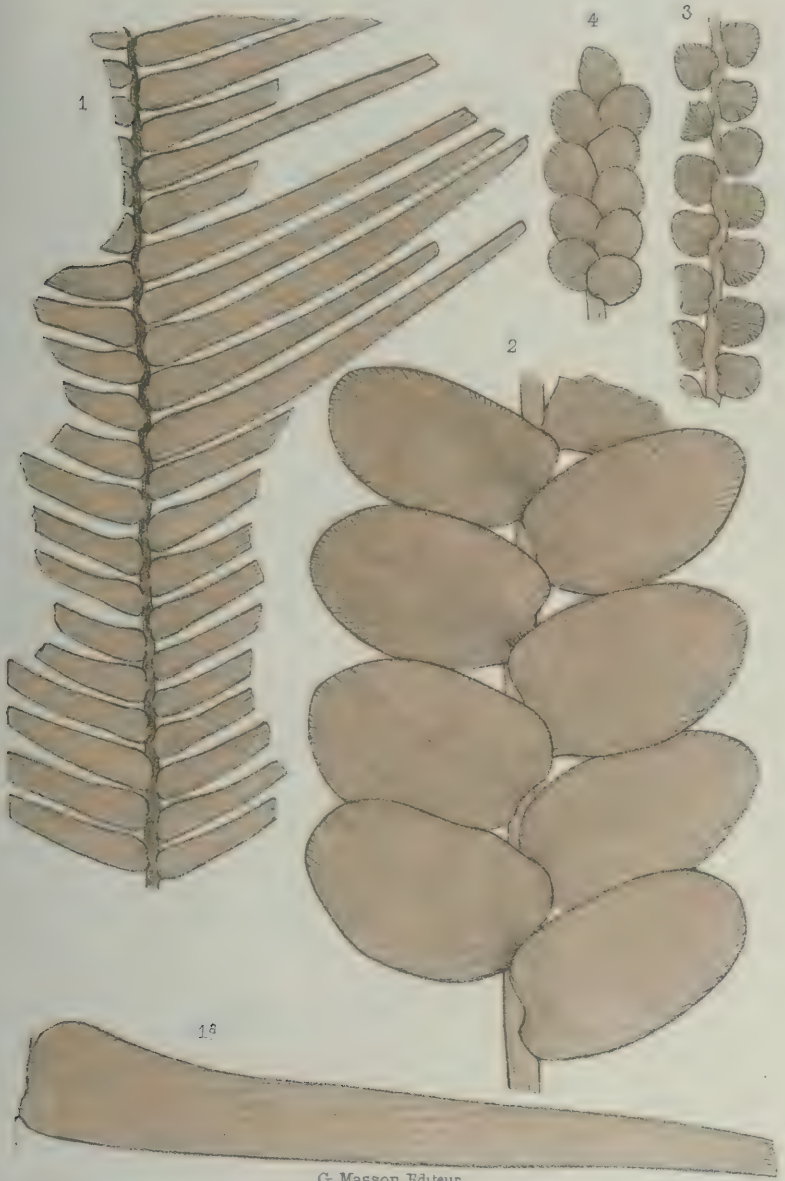


G. Masson, Editeur.

Imp. Becquet, Paris

1-2. *Zamites confusus*, Sap.

3. *Otozamites lævis*, Brongn

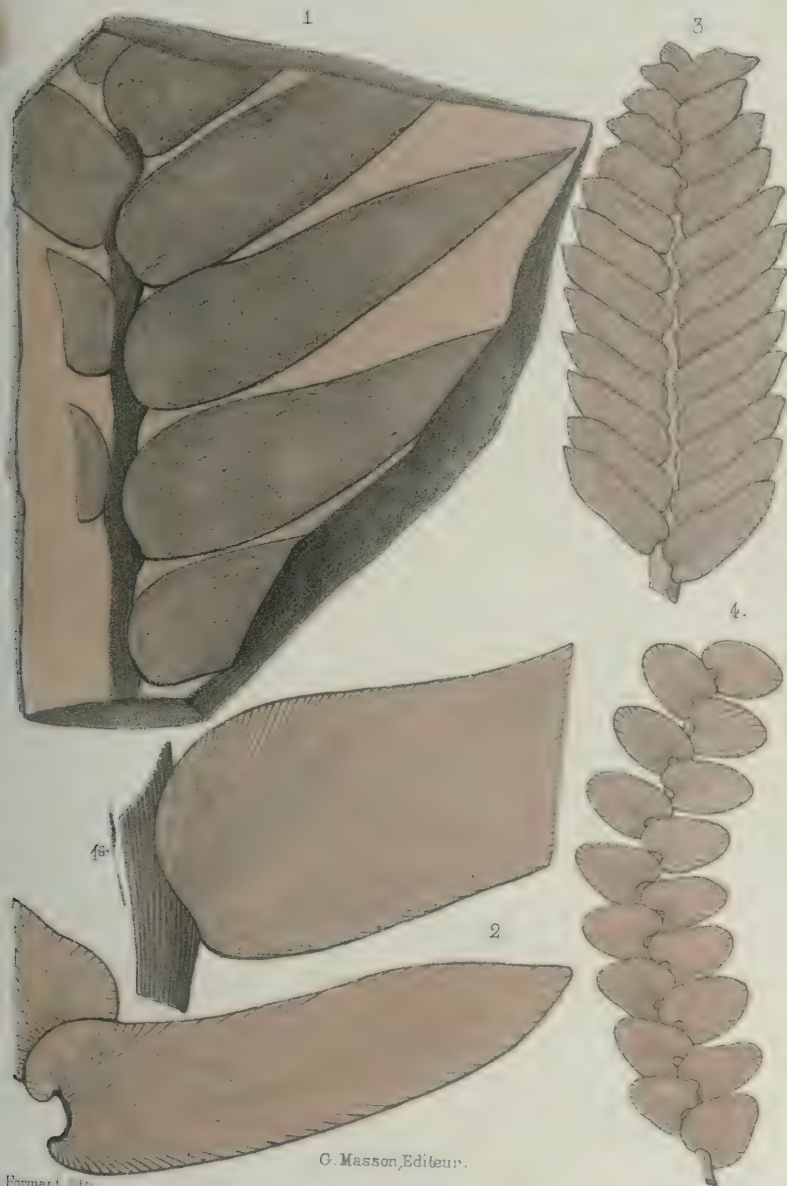


Formant, lith.

G. Masson, Editeur.

Imp. Bequet, Paris.

1. *Otozamites Goldiæi*, Brongn.
2. _____ *Beani*, Brongn.
- 3-4. _____ *Bunburyanus*, Zign.

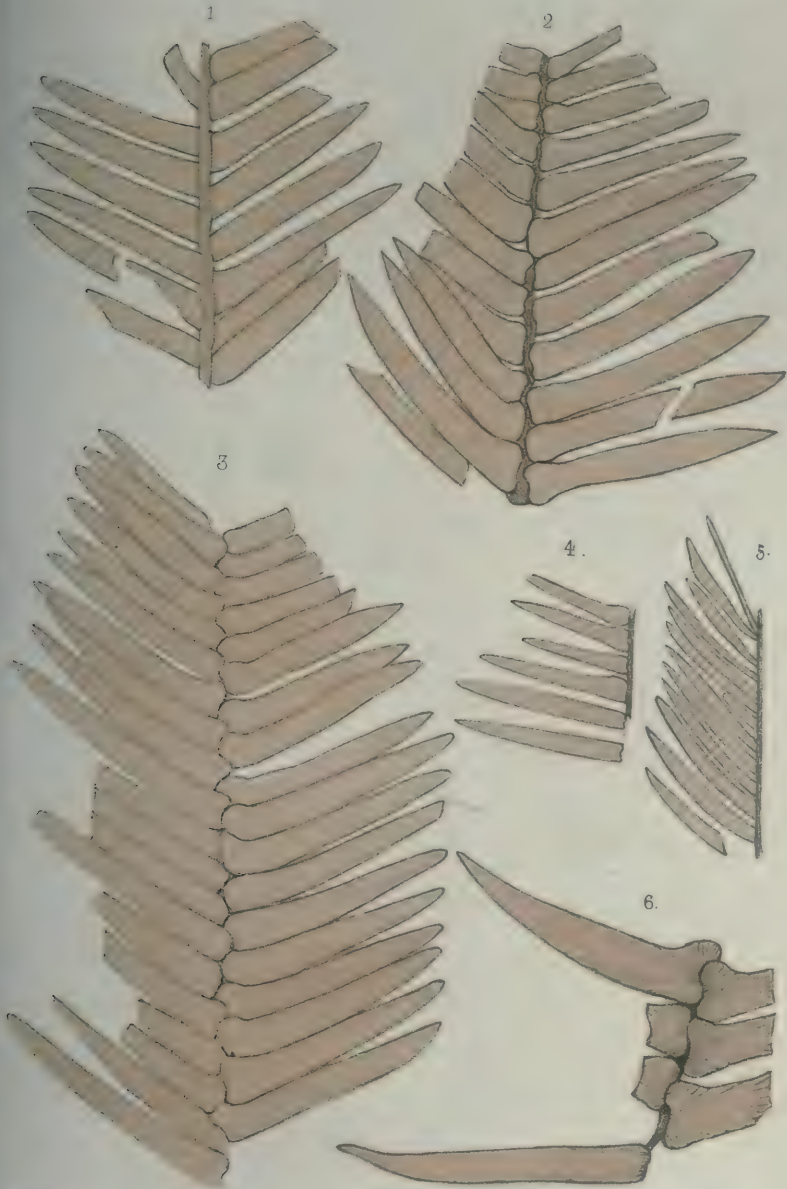


Formet. 211.

G. Masson, Editeur.

Imp. Becquet, Paris.

1. *Otozamites Youngii*, Brongn.
2. ————— *Bucklandi*, Brongn.
3. ————— *Mattellianus*, Zign.
4. ————— *Trevisani*, Zign.

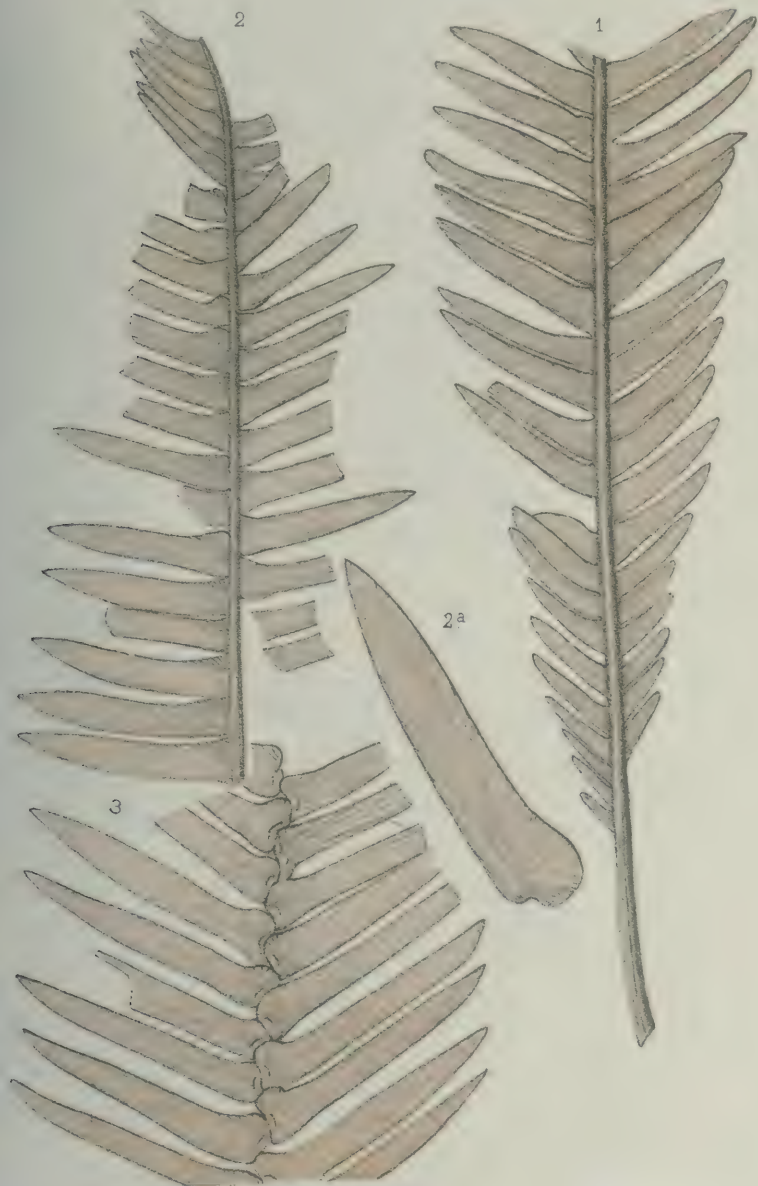


Bernant, lith.

G. Masson, Editeur.

Imp. Bequet, Paris.

1-6. *Otozamites latior*, Sap.



Formant, lith.

G. Masson, Editeur

Imp. Becquet, Paris.

1-3. *Otozamites latior*, Sap.



Formant lith.

Masson, Editeur.

Imp. Bequet, Paris.

1-3. *Otozamites brevifolius*, F. Br.

4. _____ *Terquemi*, Sap.





Formant. Ent.

G. Masson, Éditeur.

Imp. Becquet, Paris

1. *Otozamites Hennoquei*, Pom.

2-3. _____ *recurrens*, Sap.



Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris

1. *Otozamites major*, Schimp.

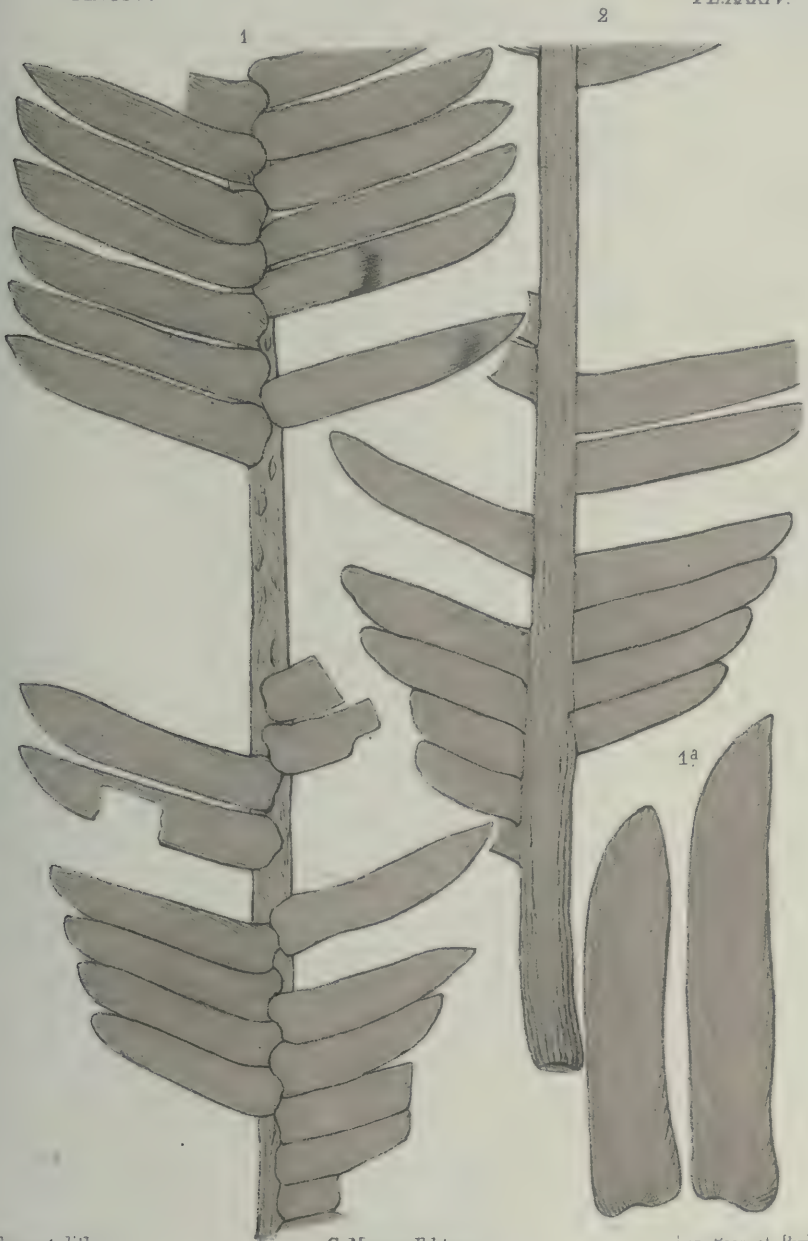


Formant, lith.

G. Masson, Editeur.

Imp. Becquet, Paris

- 1. *Otozamites disjunctus*, Sap.
- 2-3. _____ *graphicus*, Schimp.
- 4. _____ *Brongniartii*, Schimp.



Formant, lith.

C. Masson, Editeur.

imp. Lecquet, Paris.

1-2. *Otozamites pterophylloides*, Brongn.



Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.

Otozamites pterophylloides, Brongi.



Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.



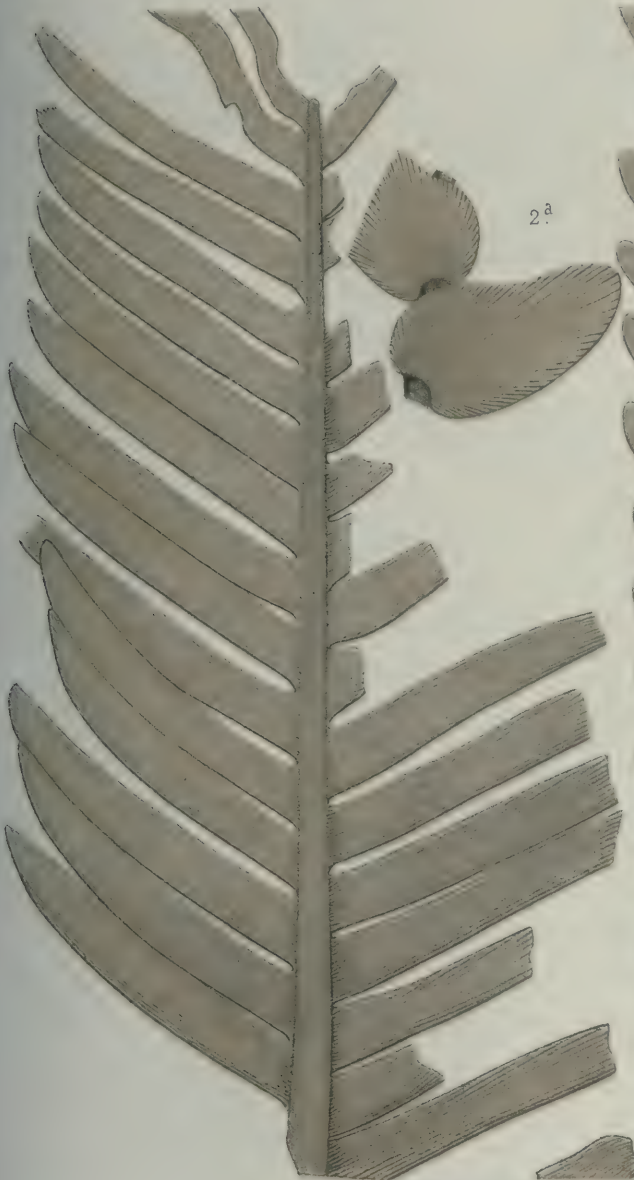
Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.

1-3. *Otozamites pterophylloides*, Brongn.

1



2



Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.

1. *Otozamites pterophylloides*, Brongn.

2. *O. ——— microphyllus*, Brongn.



Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.

1. *Otozamites marginatus*, Sap.
2 - 7. *O.* _____ *Reglei*, (Brongn.) Sap.



Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.

1. *Otozamites decorus*, Sap.
2. *O. _____ lagotis*, Brongn.



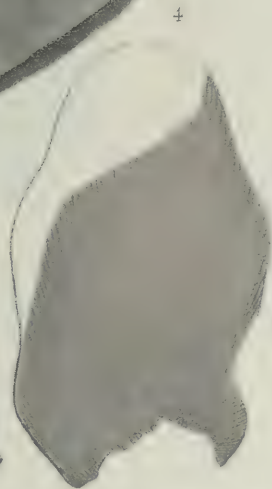
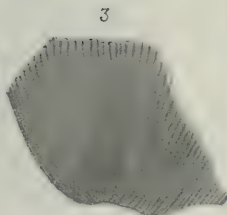
Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.

1-2. *Otozamites decorus*, Sap.

3. *O. _____ pterophylloides*, Brongn.

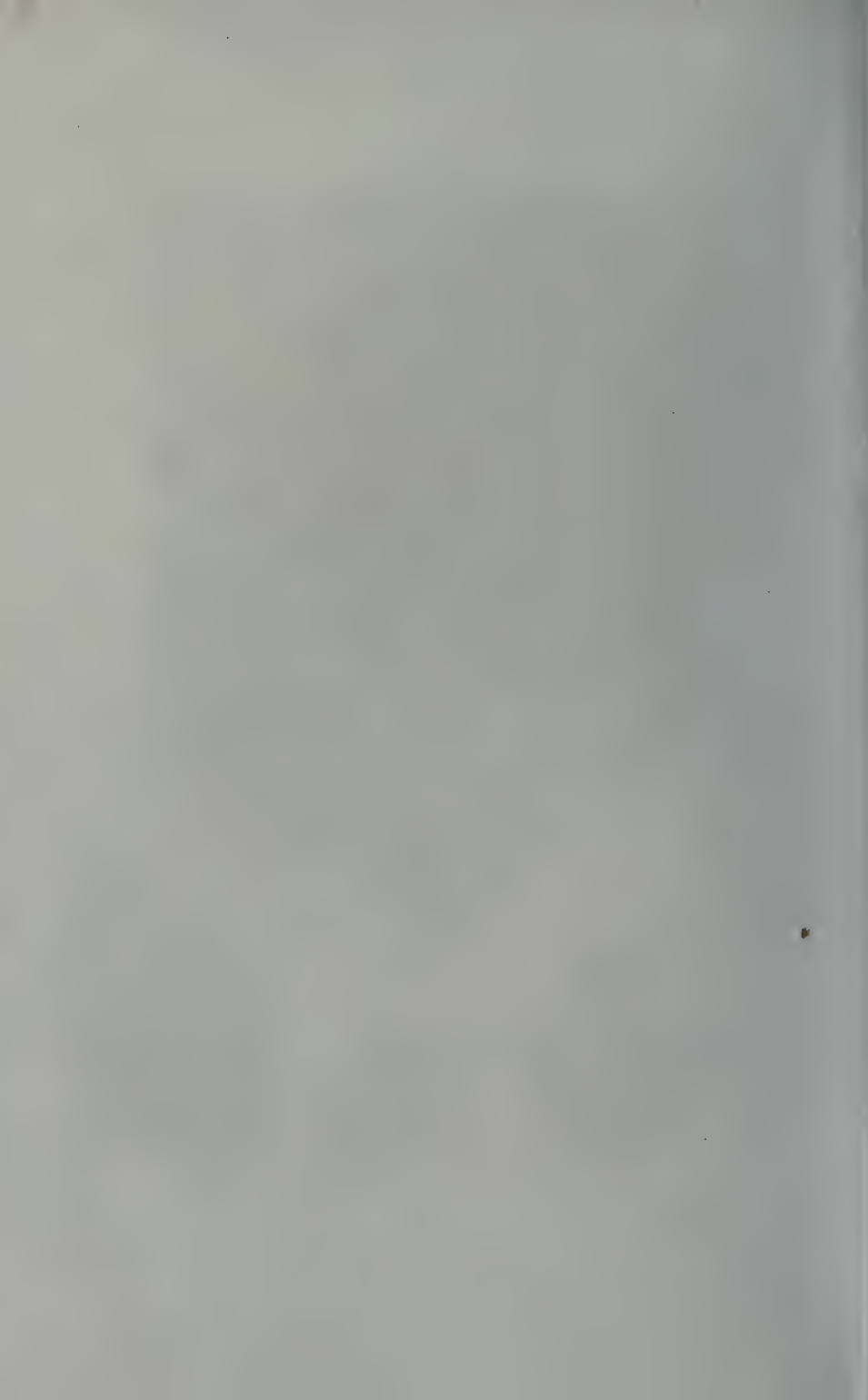


Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.

1. *Sphenozamites latifolius*. (Brongn.) Sap.
 2-4. *S.* _____ *Brongniartii*, Sap.





Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.

1-4. *Sphenozamites latifolius*, (Brongn.) Sap.



Formant lith.

G. Masson, Editeur.

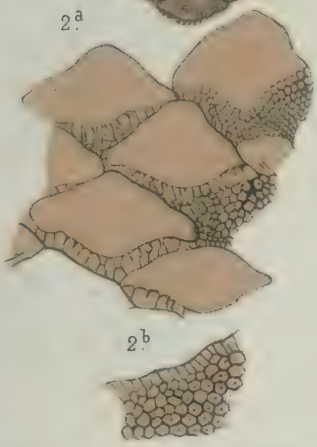
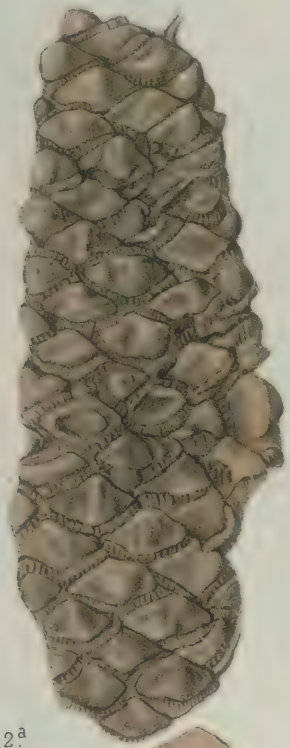
Imp. Becquet, Paris.

1-2. *Sphenozamites Rossii*, Zign.

4. *Cycadolepis villosa*, Sap.

3. *Cycadorachis abscisa*, Sap.

5-6. *C. _____ hirta*, Sap.



Formant lith.

G. Masson, E. diteur.

Imp. Becquet, Paris.

1-2. *Androstrobus Balduini*, Sap.



Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.

1 - 5. *Cycadospadix Hennoquei*, Schimp.

6. *Cycadeospermum hettangense*, (Schimp.) Sap.

7 - 8. *Cycadospadix Moræanus*, Schimp.



Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris

- | | |
|-------------------------------------|-------------------------------|
| 1. Cycadorachis armatus, Sap. | 9. Cycadeospermum Pomelii, S. |
| 2 - 7. Zamiostrabus Ponceleti, Sap. | 10. C. _____ wimillensis |
| 8. Z. _____ index, Sap. | 11. 12. C. _____ Schlumberg |



Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.

1. *Bolbopodium micromerum*, Sap.

2. *B. _____ pictaviense*, Sap.

3. *Cylindropodium liasinum*, (Schimp.) Sap.

T. Jurassique. Végétaux.

PL. CXIX.

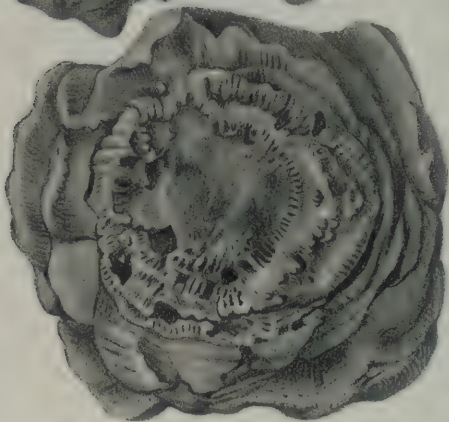
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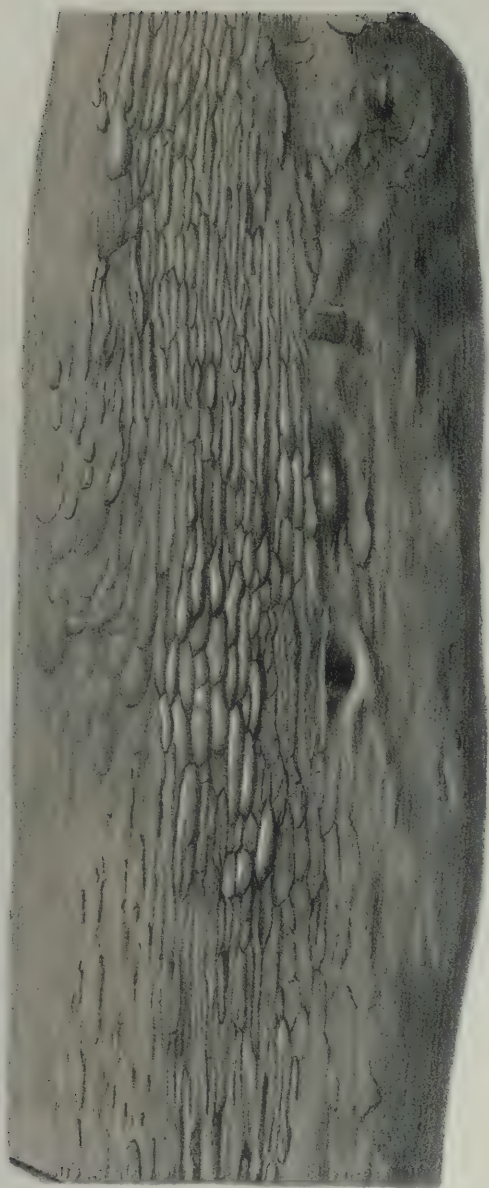


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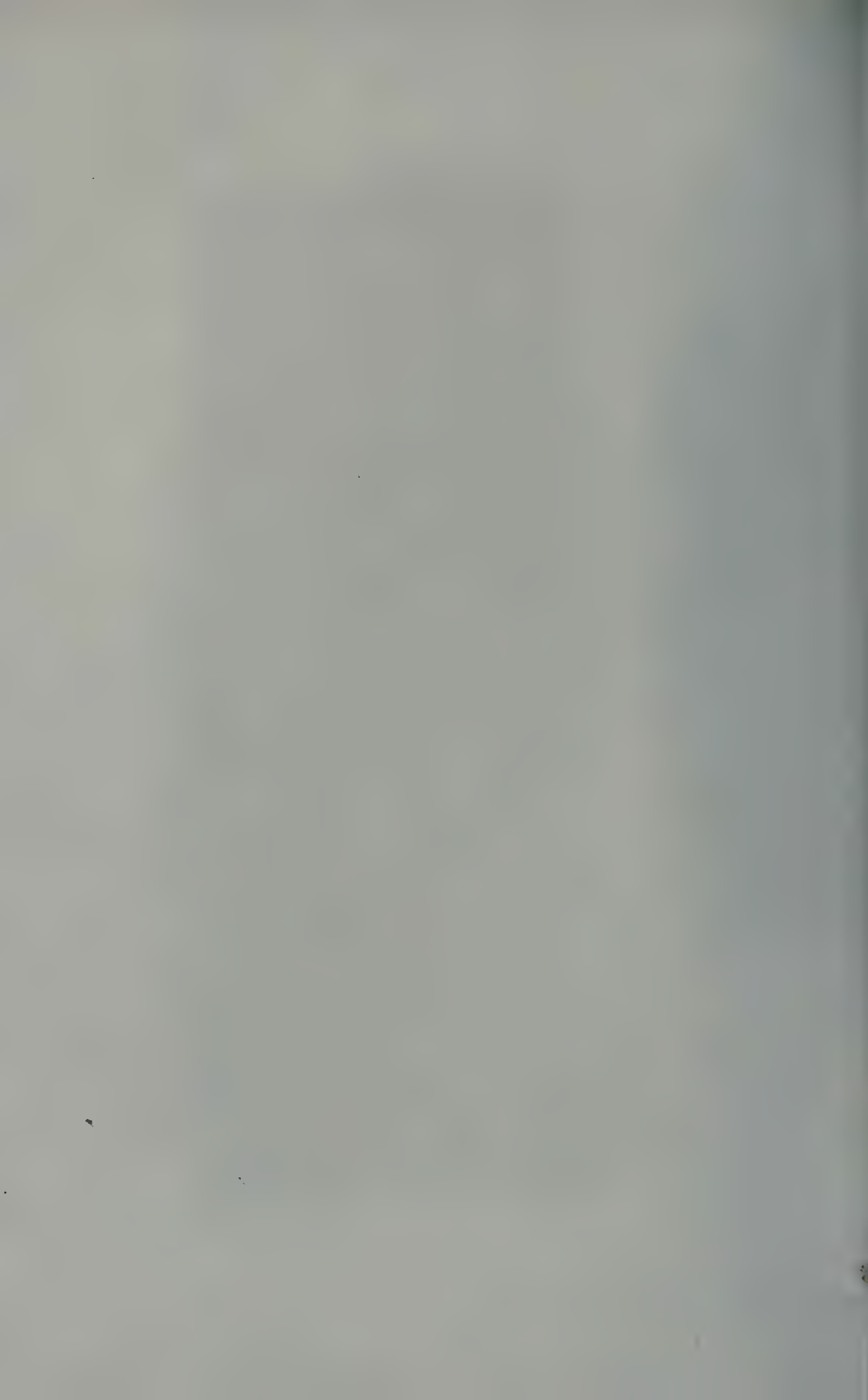
Formant lith.

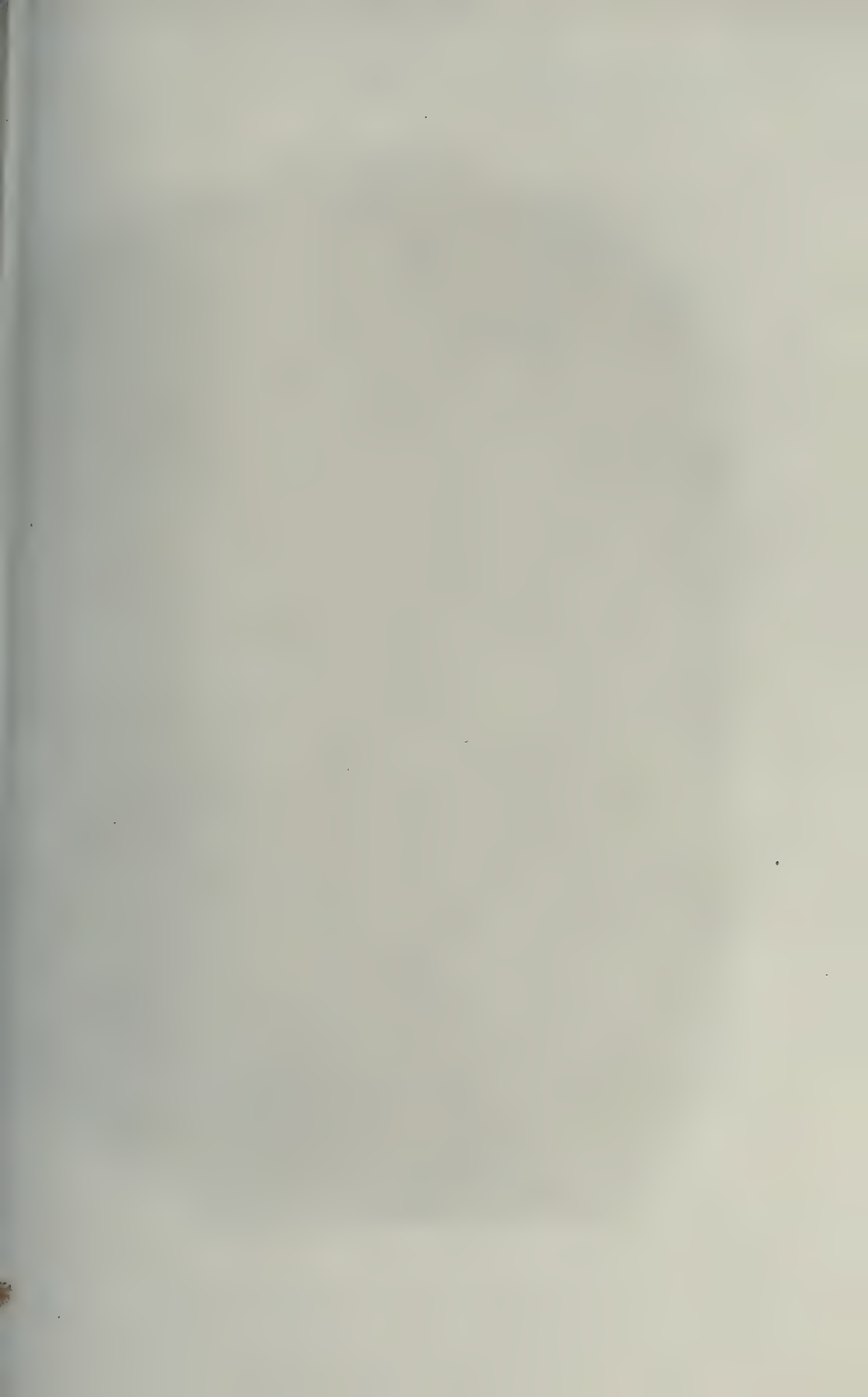
- 1-2. *Cylindropodium liasinum*, (Schimp)
 3. *C.* _____ *gracile*, (Pom.) S



Imp. Becquet, Paris.

Cylindropodium Deshayesi, Sap.
Cycadomyelon hettangense, Sap.





T. Jurassique. Végétaux.

PL. CXX.

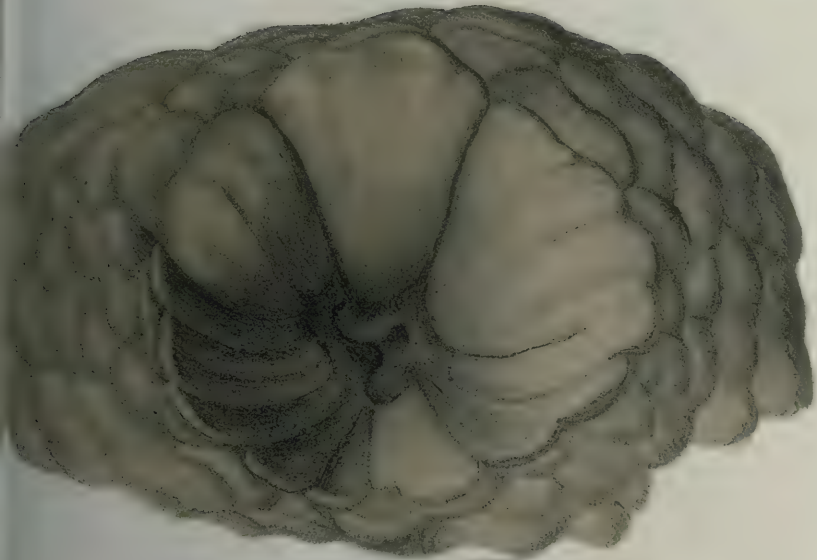
1



Formant lith.

1 - 3. Platylep.

2



3

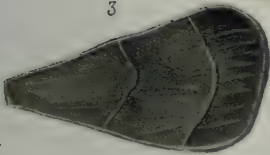


Imp. Becquet, Paris. p.v

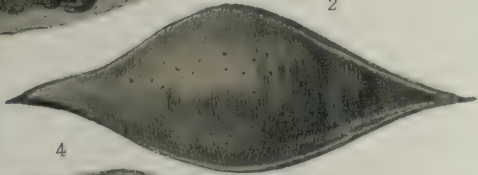
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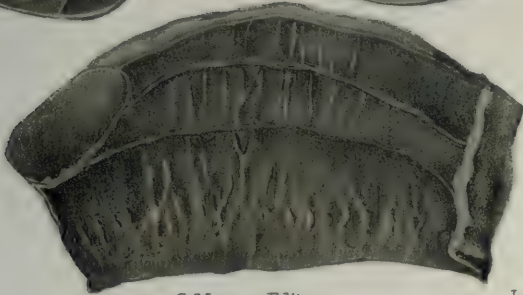
3



2



4



Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris. p.v.

1. *Platylepis impressa*, Sap.

2 - 4. *Encephalartos Altensteini*, Lehm. (Appendice cortical.)

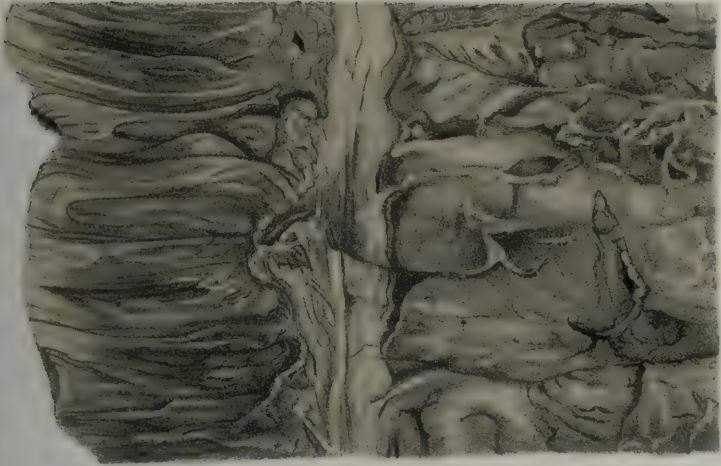
T. Jurassique. Végétaux.
PL. CXXII.

1



Formant lith.

3



2



ieur.

Imp. Bequet, Paris. p.v.

Trigéri, Sap.

T. Jurassique. Végétaux.

PL. CXXIII.

1 $\frac{3}{4}$ 2 $\frac{3}{4}$ 

Formant lith.

1 - 2. Cla
 3 - 5. Fitt



eur

Imp. Becquet, Paris. p. v

sarlatense, Sap.
Martii, (Morière) Sap.

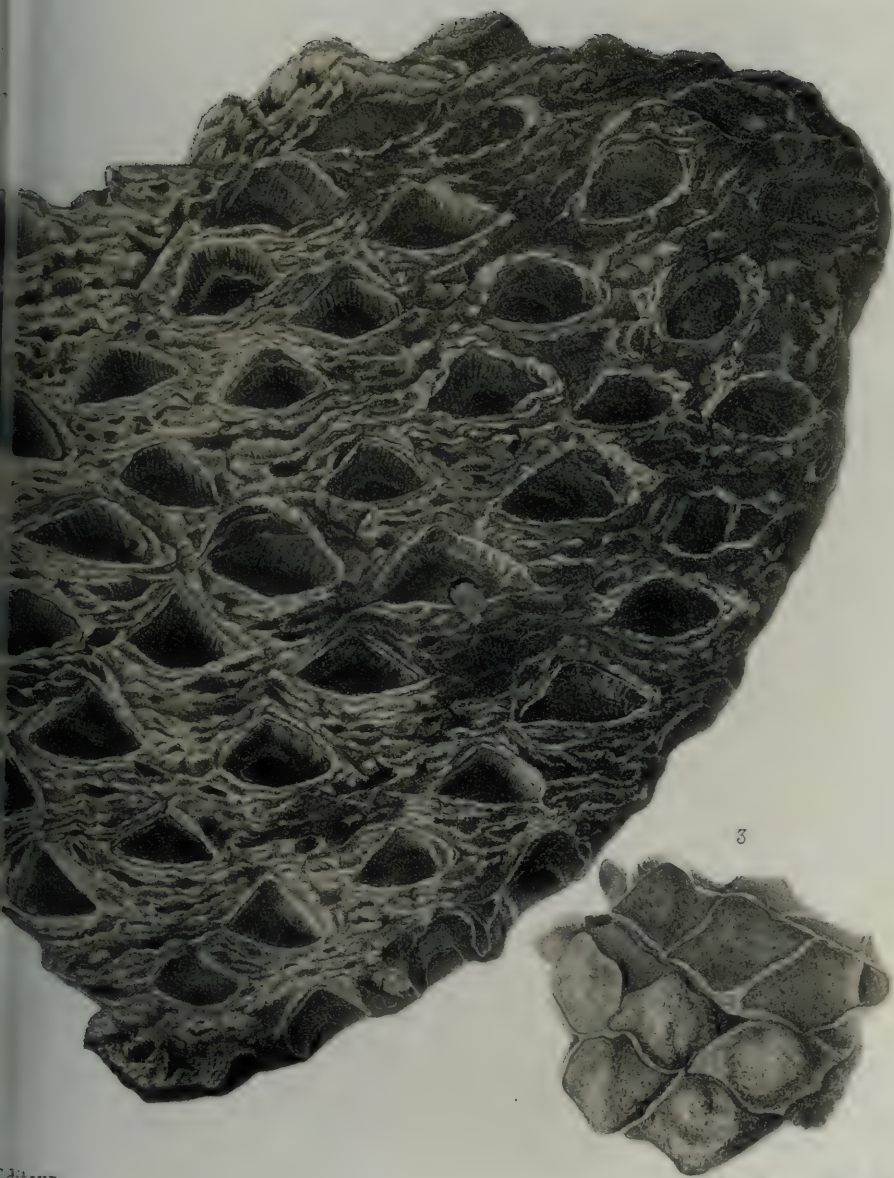
T. Jurassique. Végétaux.
PL. CXXIV.

2



Formant lith.

1 - 2. Clathro
 3 - 4. Cylindro



Editeur.

Imp. Becquet, Paris. p. 7.

atum, Sap.

sinum, (Schimp.) Sap.



T. Jurassique. Végétaux.
PL. CXXV.

1



$\frac{3}{4}$

Formant lith.

1-3. F
4. F

3



4



2



eur.

Imp. Becquet. Paris.

ignis, Sap.
amata, Carr.

T. Jurassique. Végétaux.

PL. CXXVI.

1



Formant lith.



Imp. Becquet, Paris.

T. Jurassique. Végétaux.

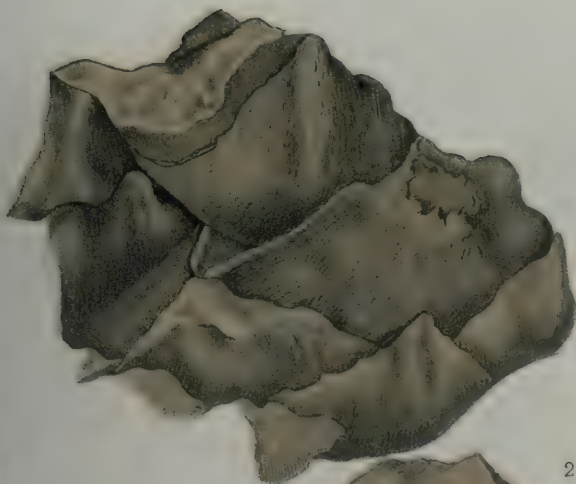
PL. CXXVII.

1



Formant lith.

3



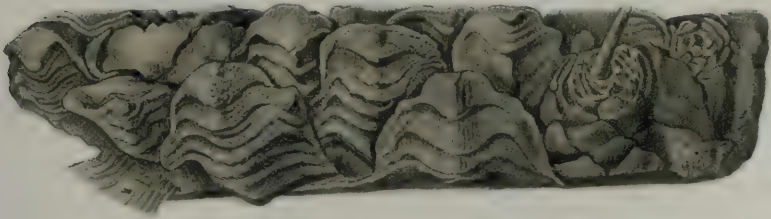
2



ur.

Imp. Becquet Paris. p.v.

gauxi, Sap.



1



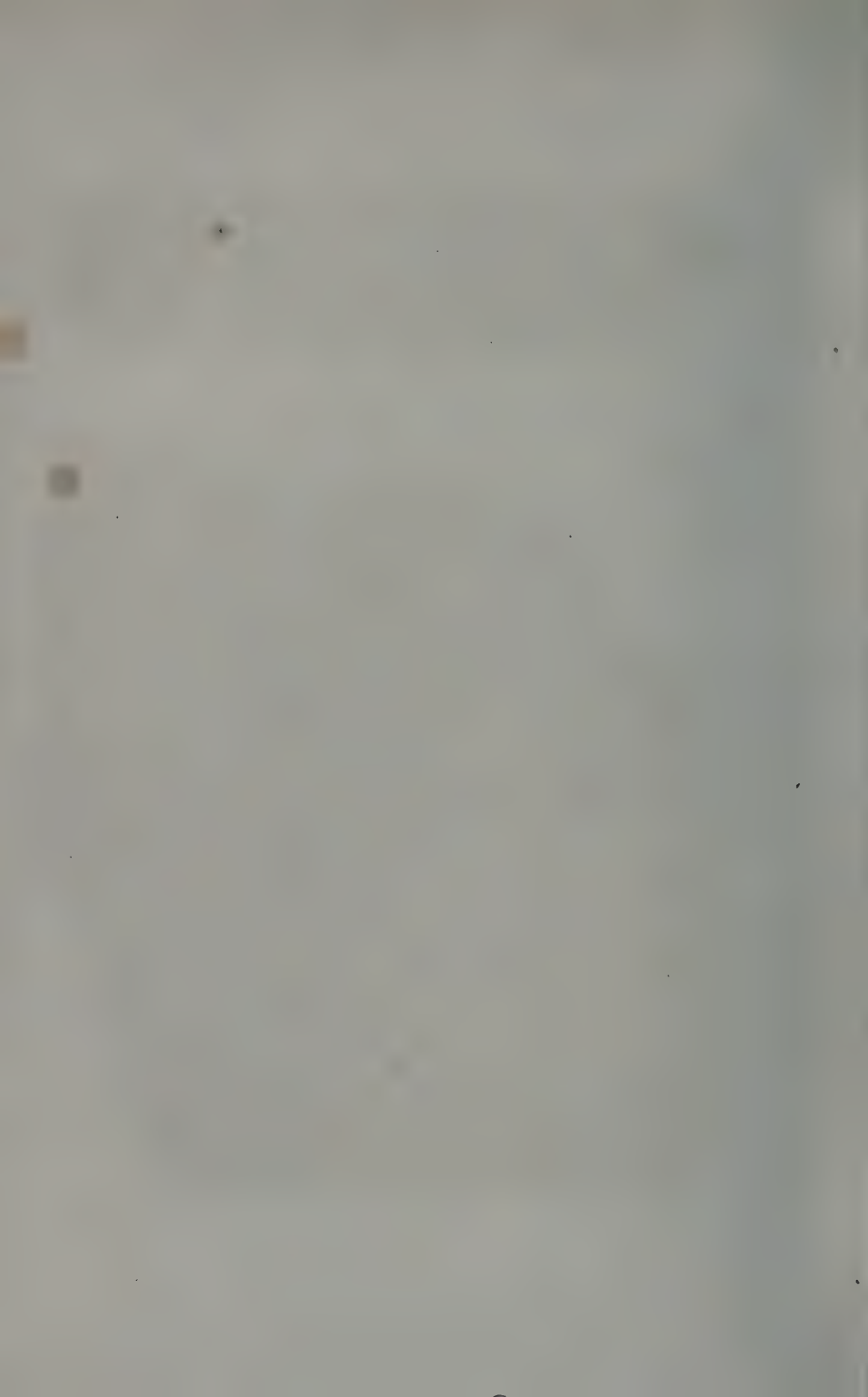
Formant lith.

G. Masson, Editeur.

Imp. Becquet, Paris.

1. *Bucklandia anomala*, Presl.

2. *Cycas revoluta*, L. (Appendices corticaux.)



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QE
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07
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t.2
Atlas

Orbigny, Alcide Dessalines d'.
Paléontologie française

Physical &
Applied Sci.

