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Fig. 1

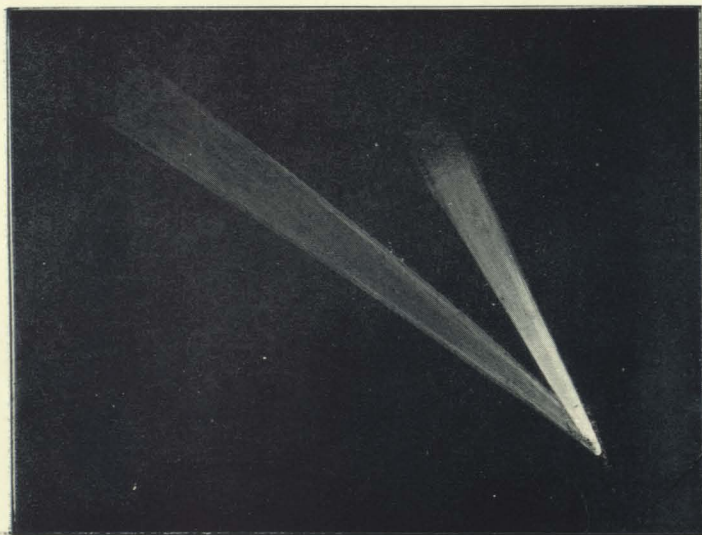
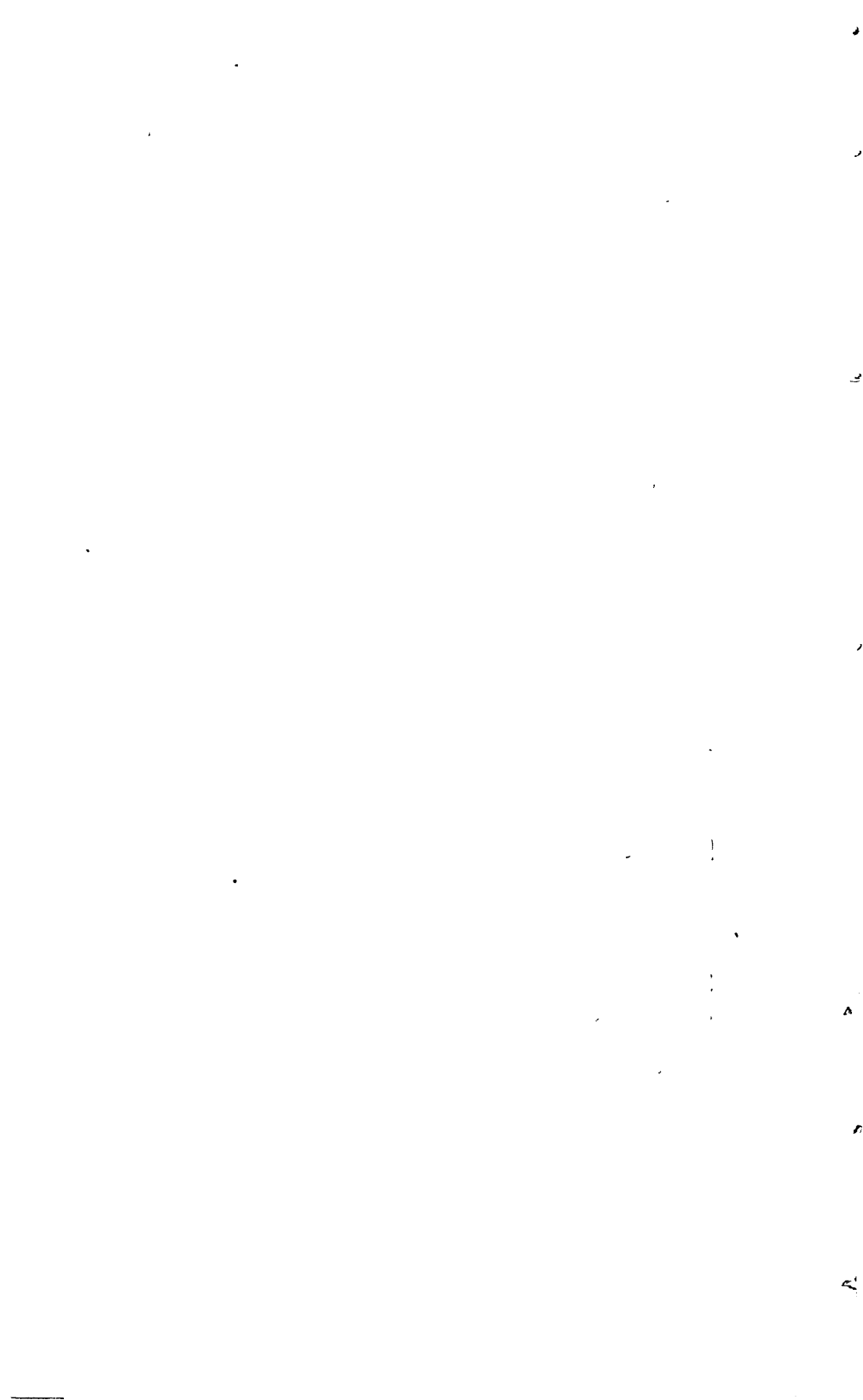
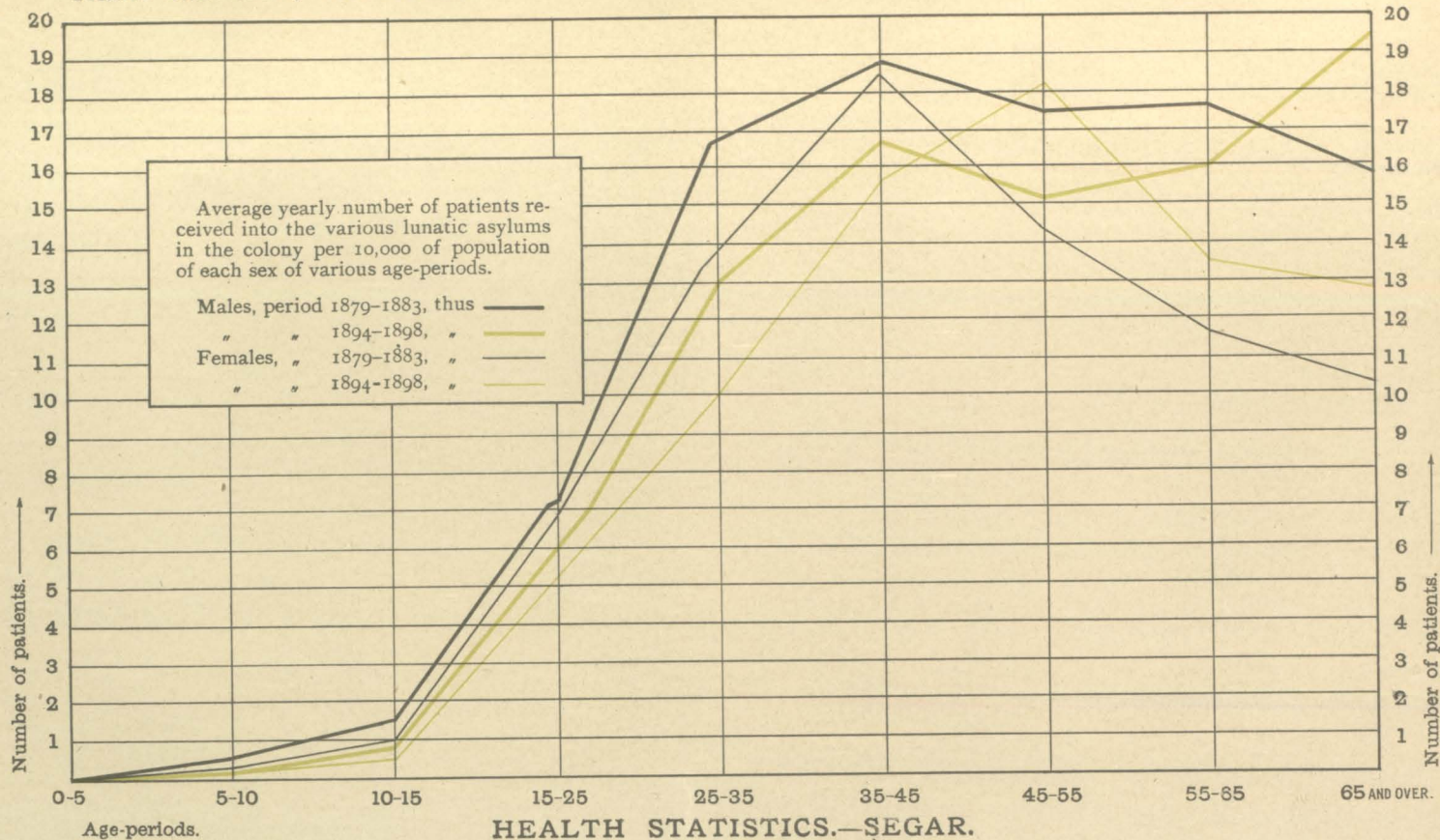


Fig. 2.

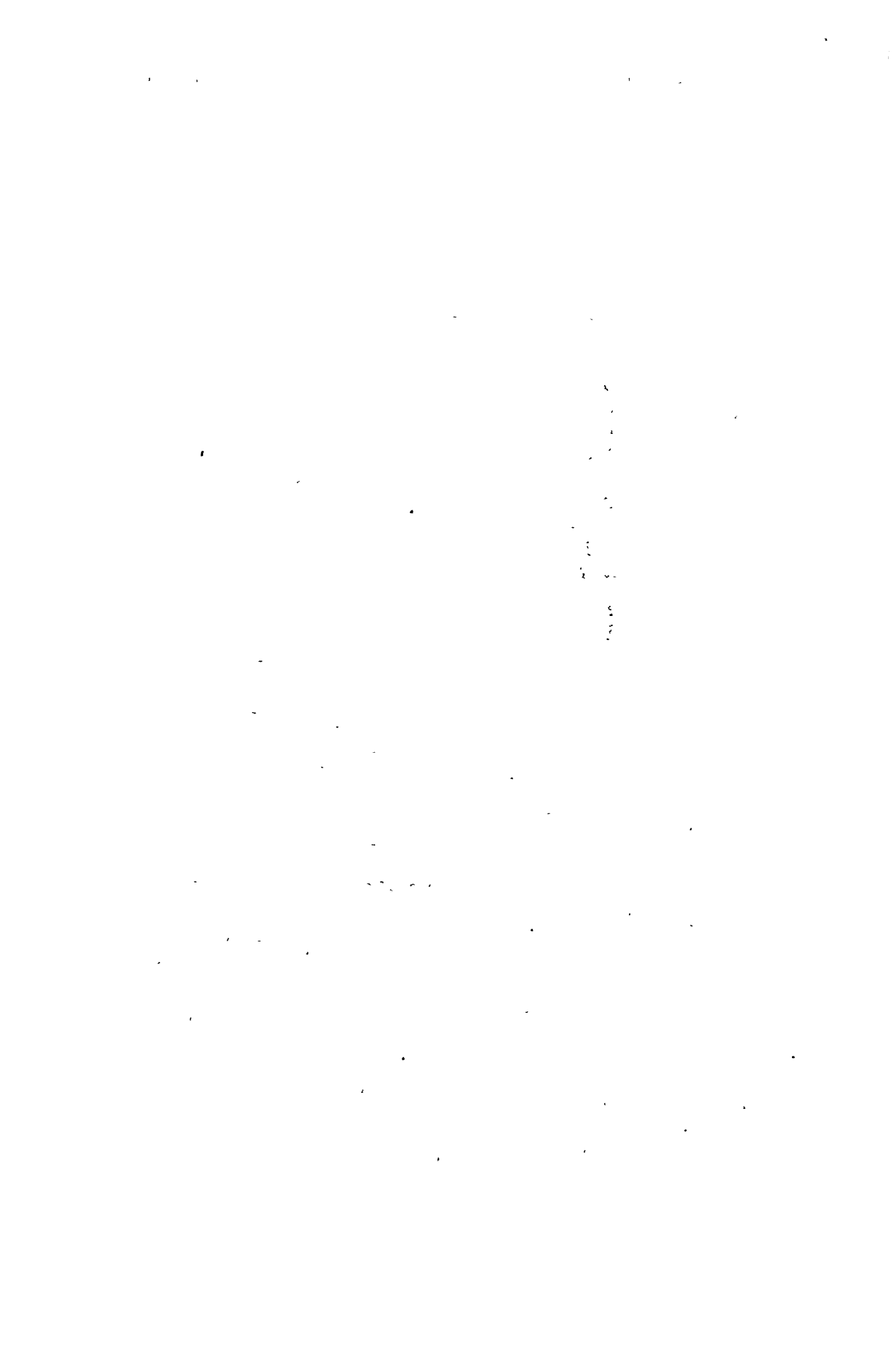
COMET OF 1901.—Hudson.

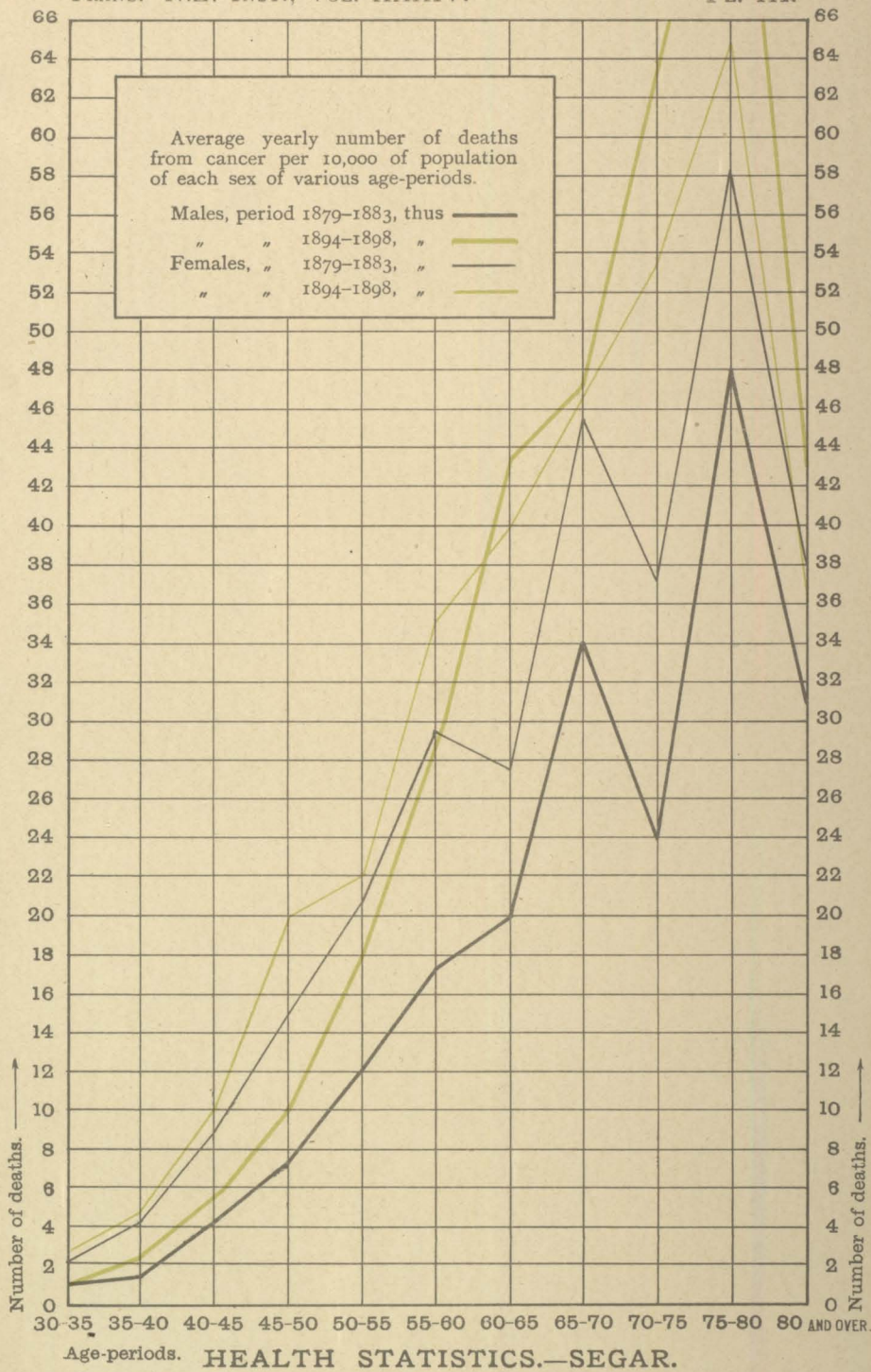






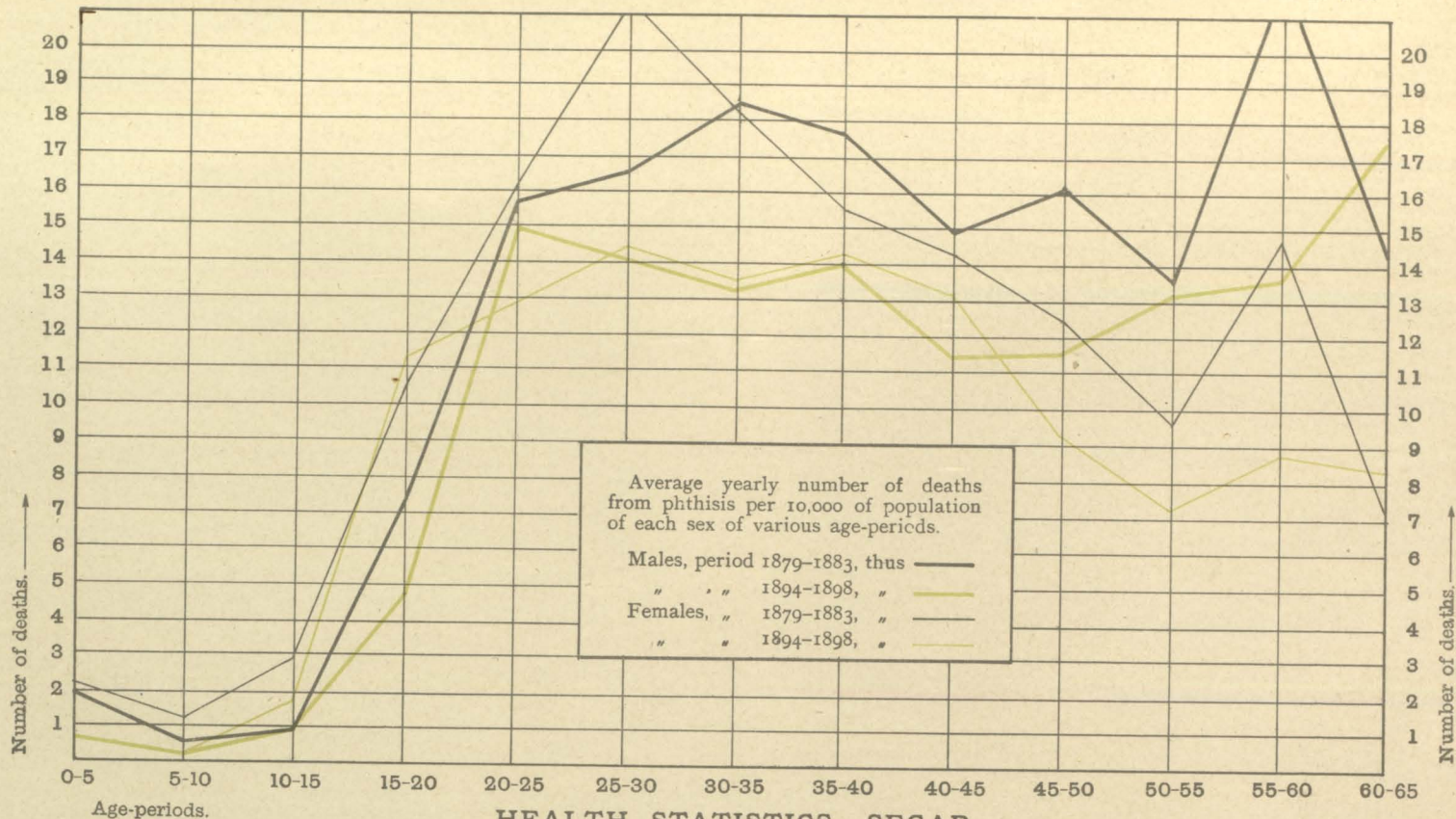
HEALTH STATISTICS.—SEGAR.





Age-periods. HEALTH STATISTICS.—SEGAR.





Average yearly number of deaths from phthisis per 10,000 of population of each sex of various age-periods.

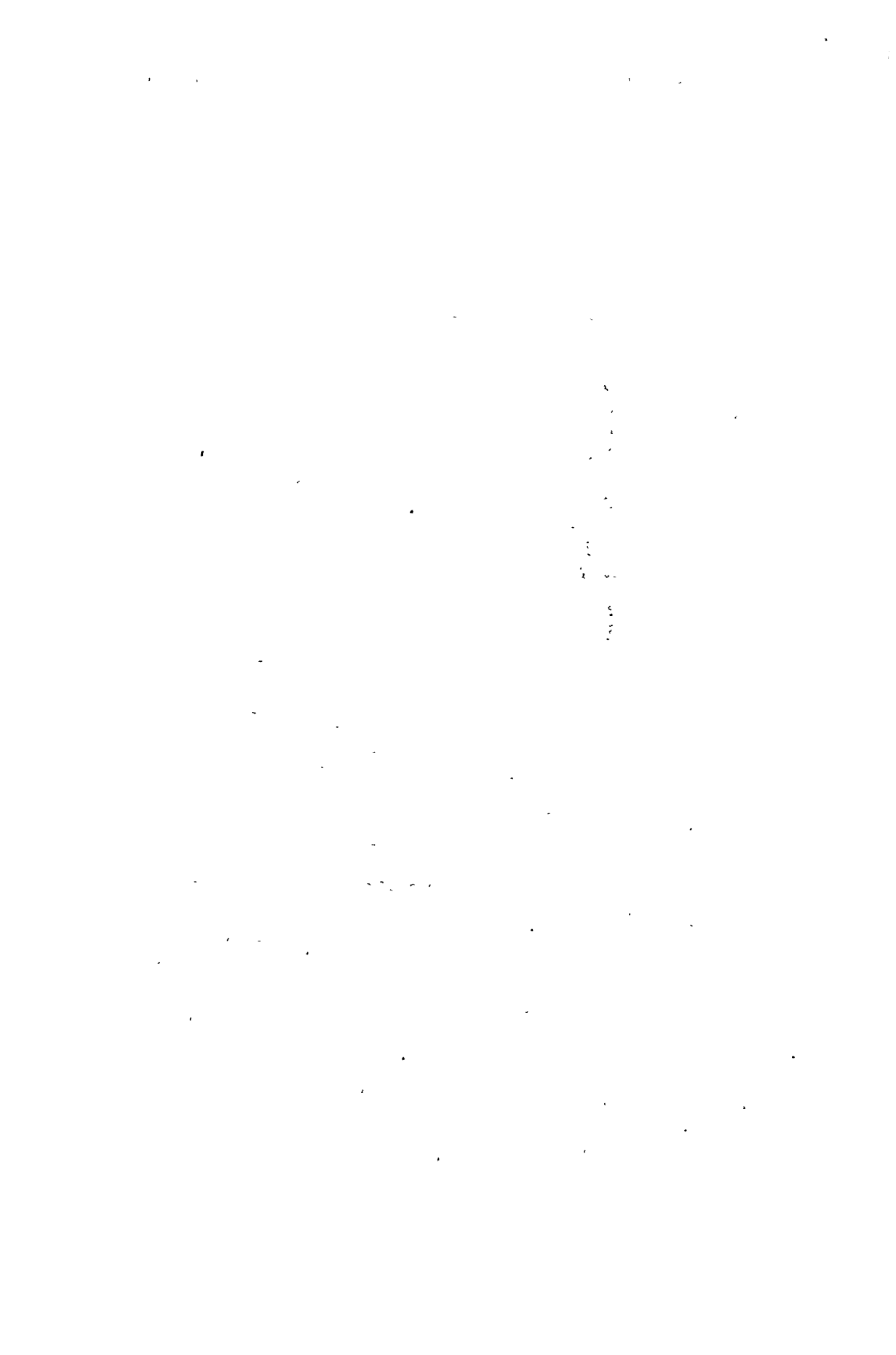
Males, period 1879-1883, thus ———

" " 1894-1898, " ———

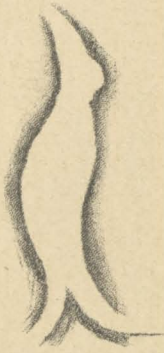
Females, " 1879-1883, " ———

" " 1894-1898, " ———

HEALTH STATISTICS.—SEGAR.



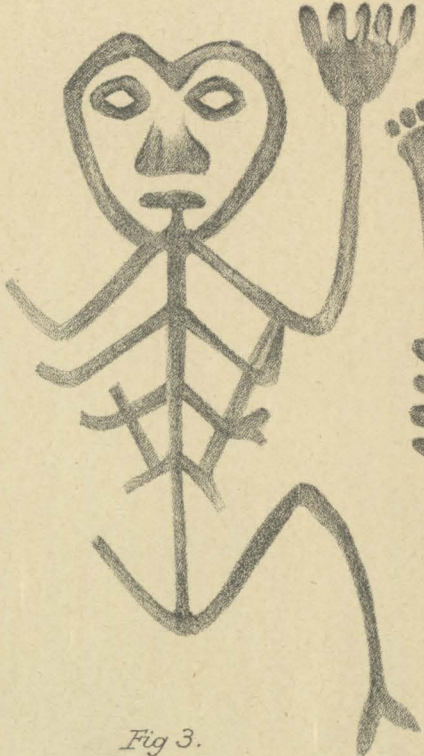
*Fig 5.*



*Fig 1.*



*Fig 2.*



*Fig 3.*

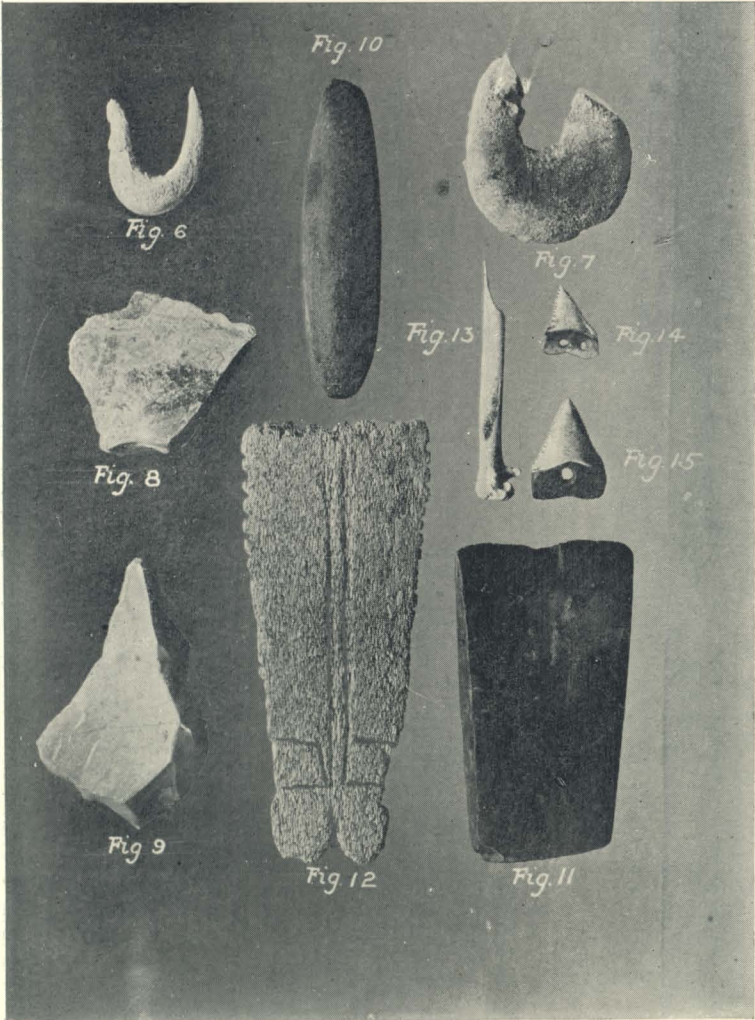


*Fig 4.*

MORIORI CARVINGS.—Dendy.

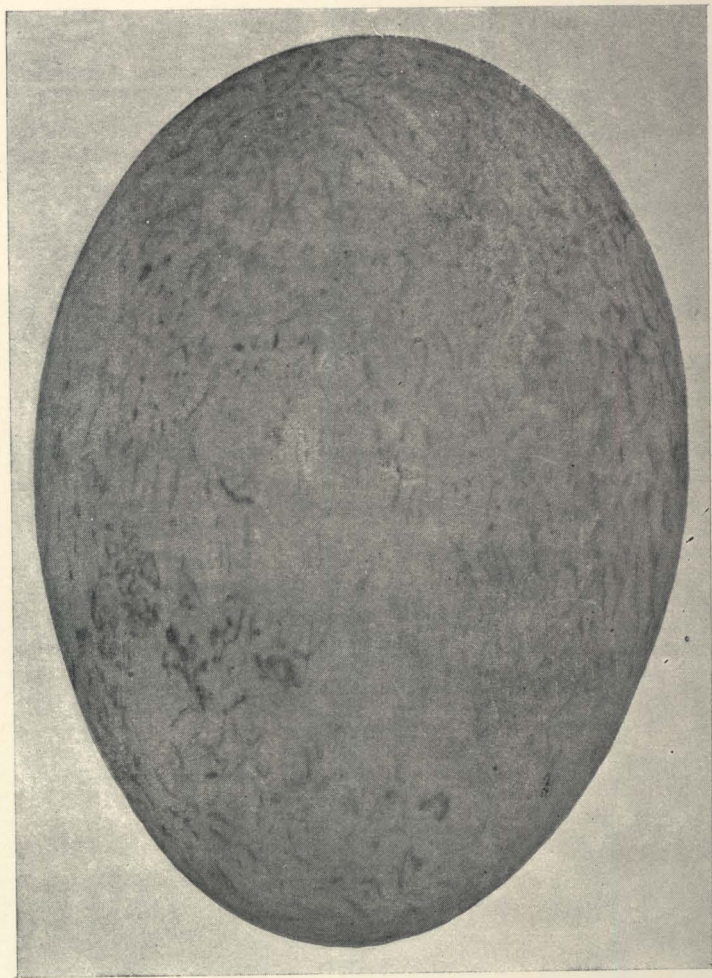






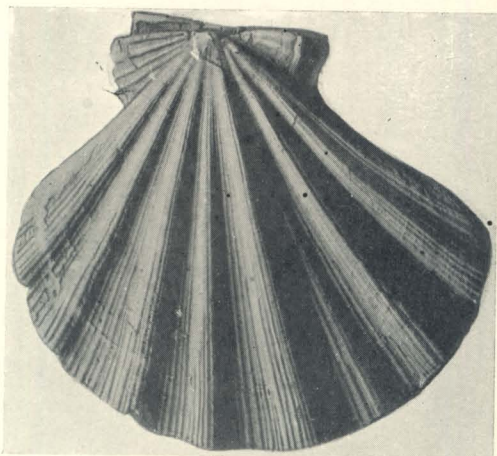
MORIORI RELICS.—Dendy.



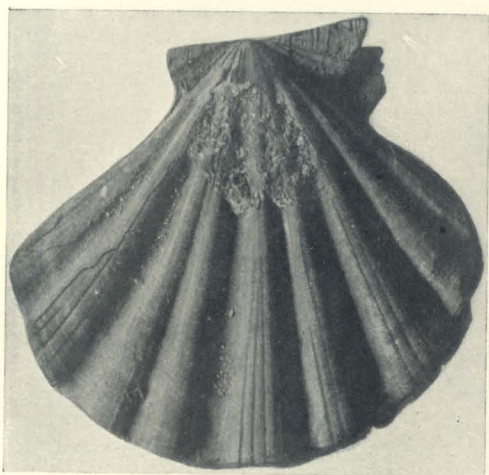


MOA'S EGG.—Benham.  
(Reduced.)



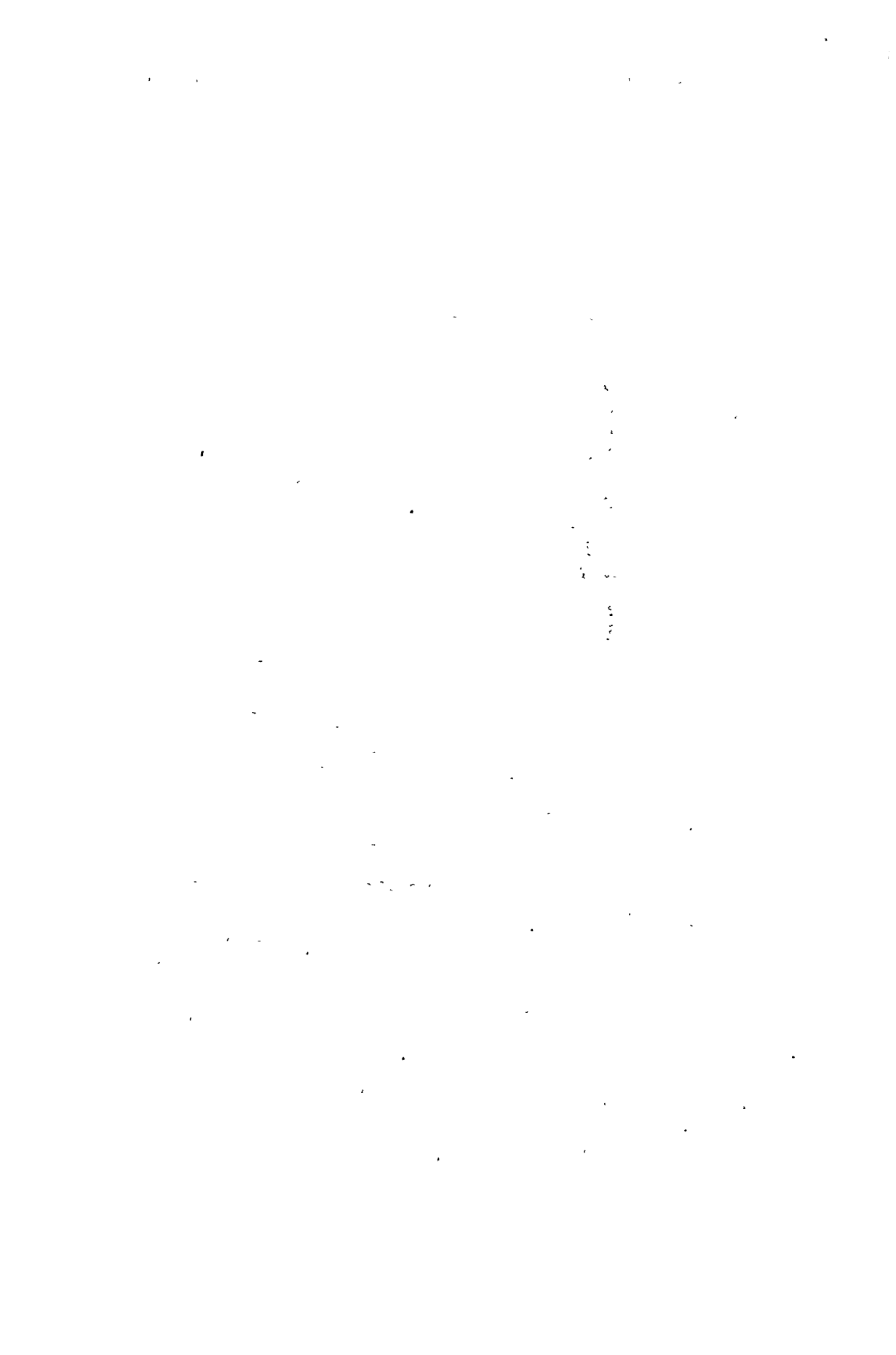


Left Valve.



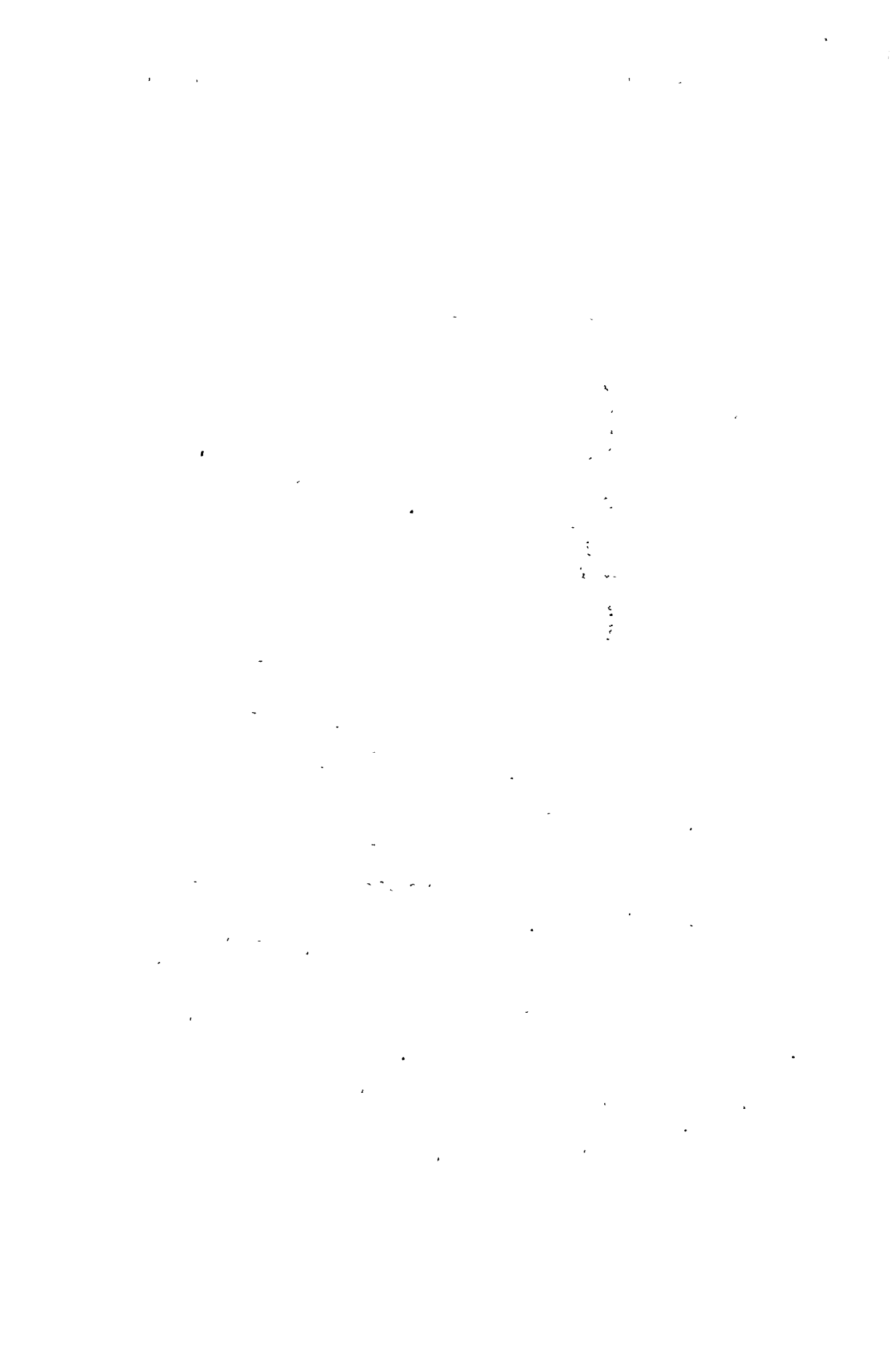
Right Valve.

PECTEN DENDYI, n.s.—Hutton.

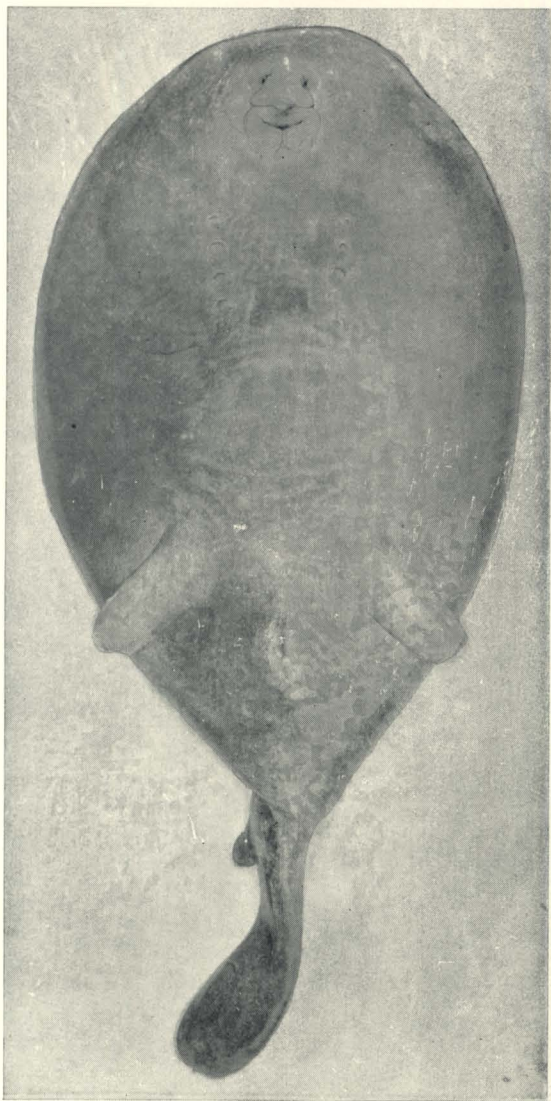




ALEPISAURUS FEROX.—Hutton.

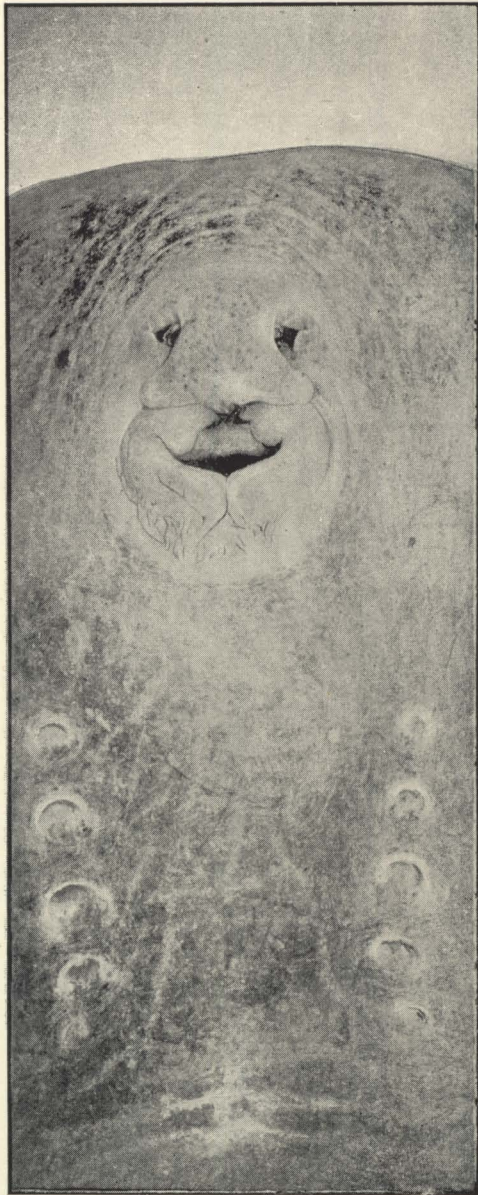




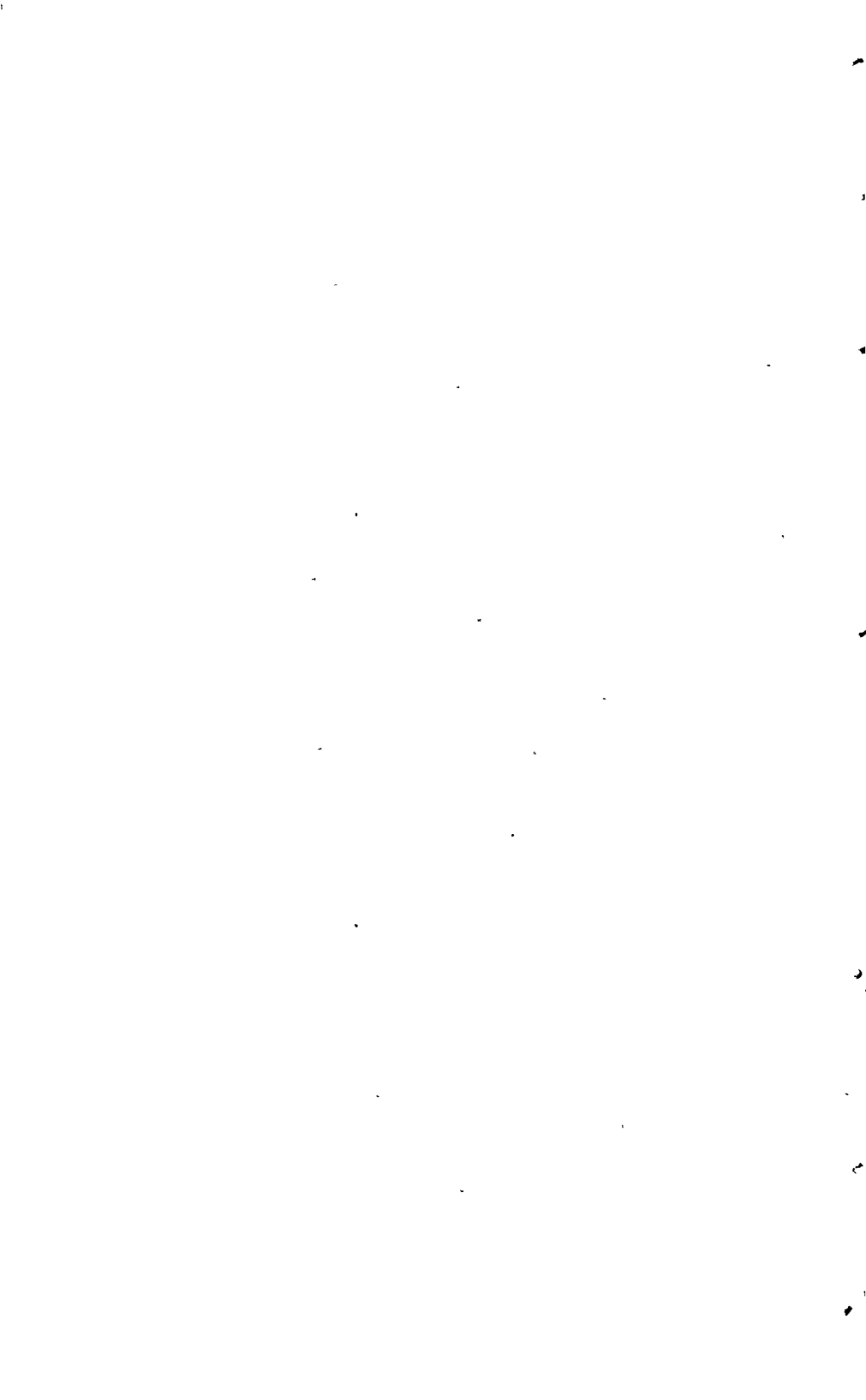


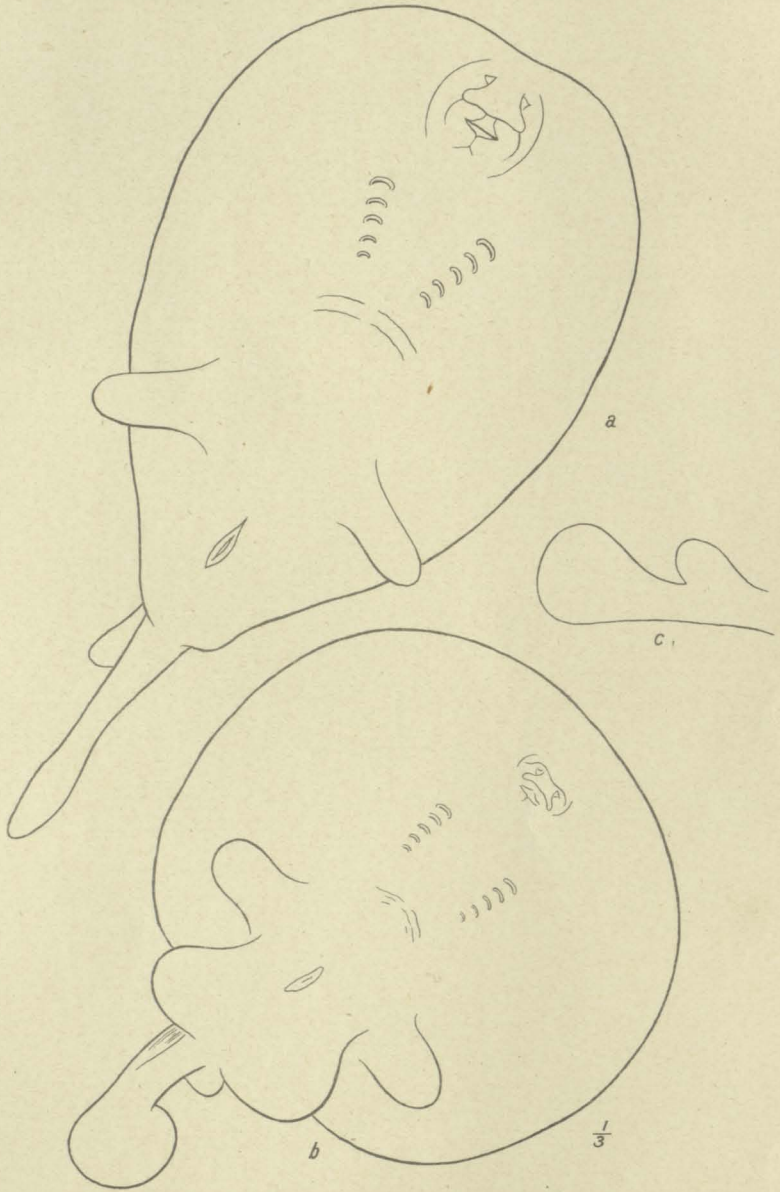
ASTRAPE AYSONI, n.s.—Hamilton.





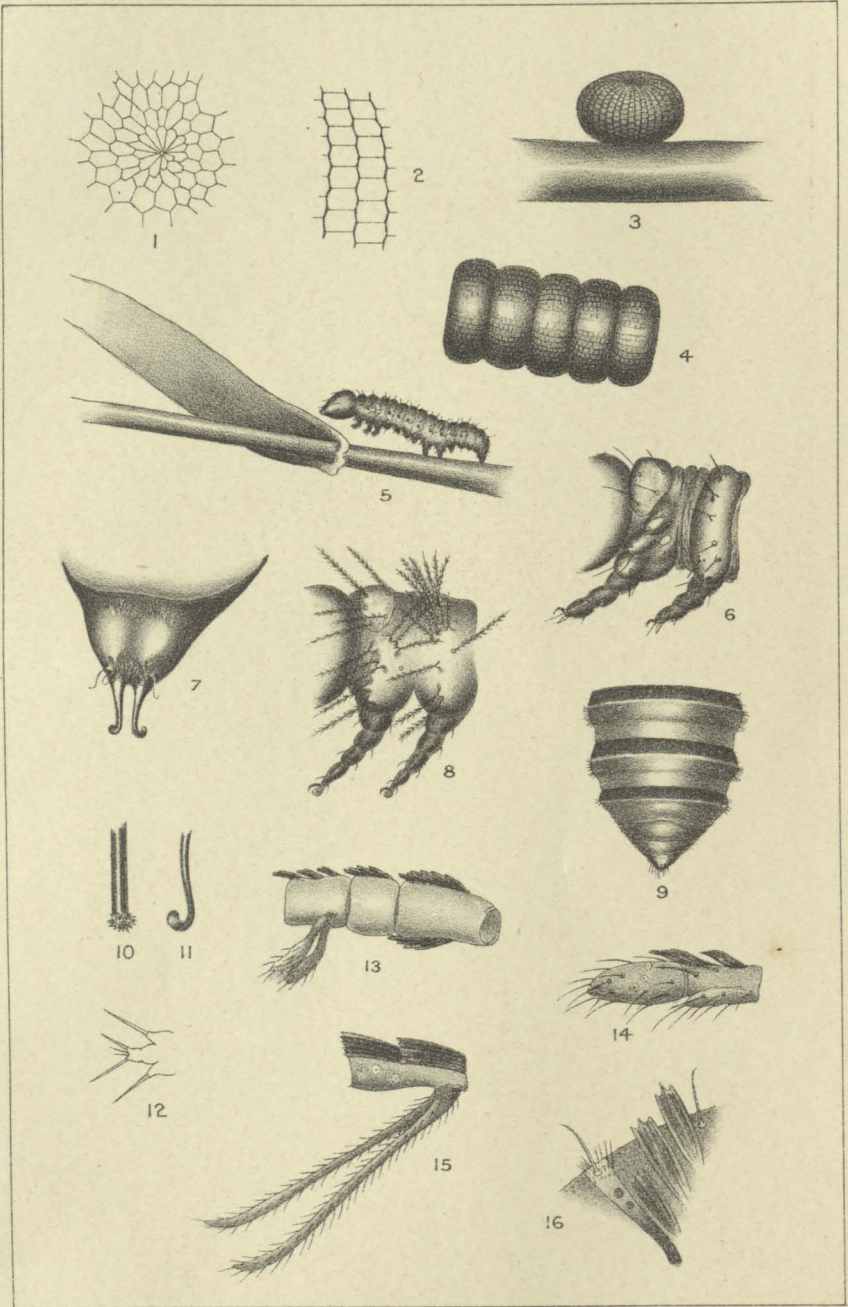
ASTRAPE AYSONI, n.s.—Hamilton.





ASTRAPE AYSONI. n.s.—Hamilton.

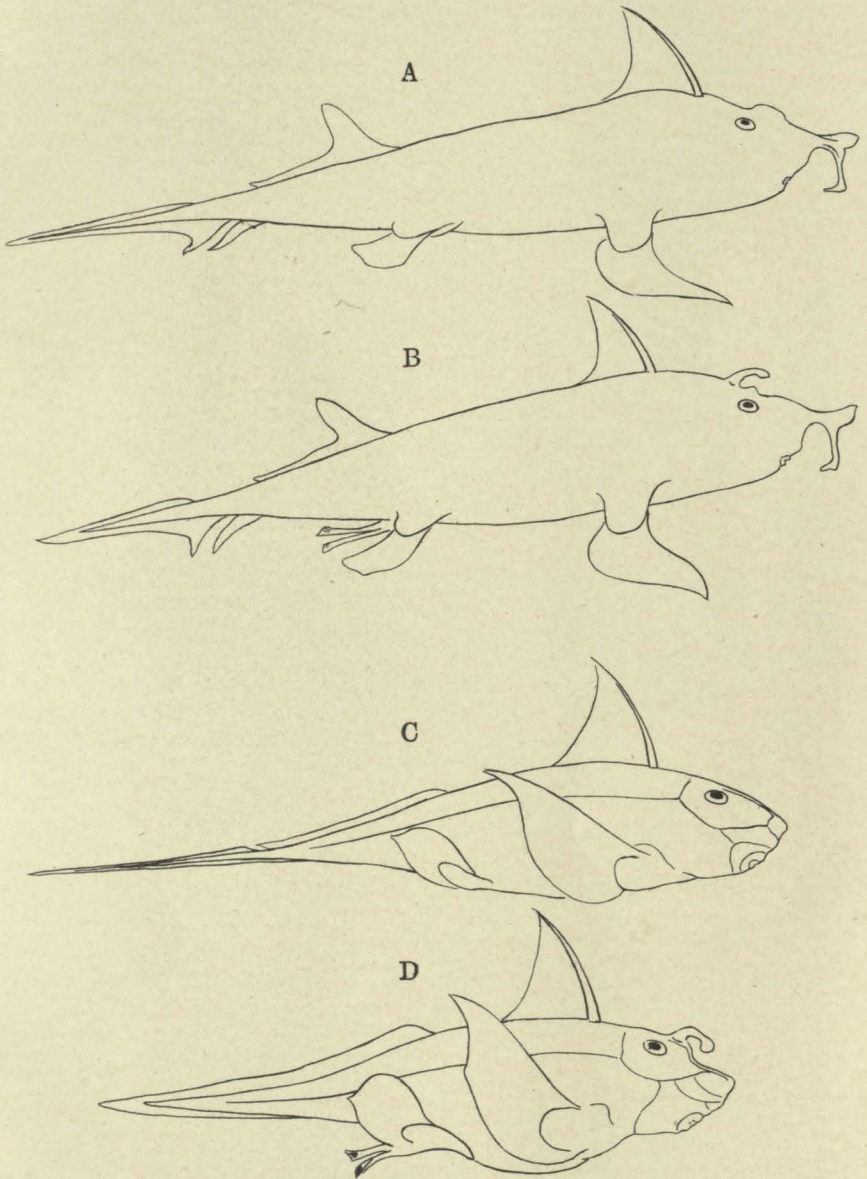




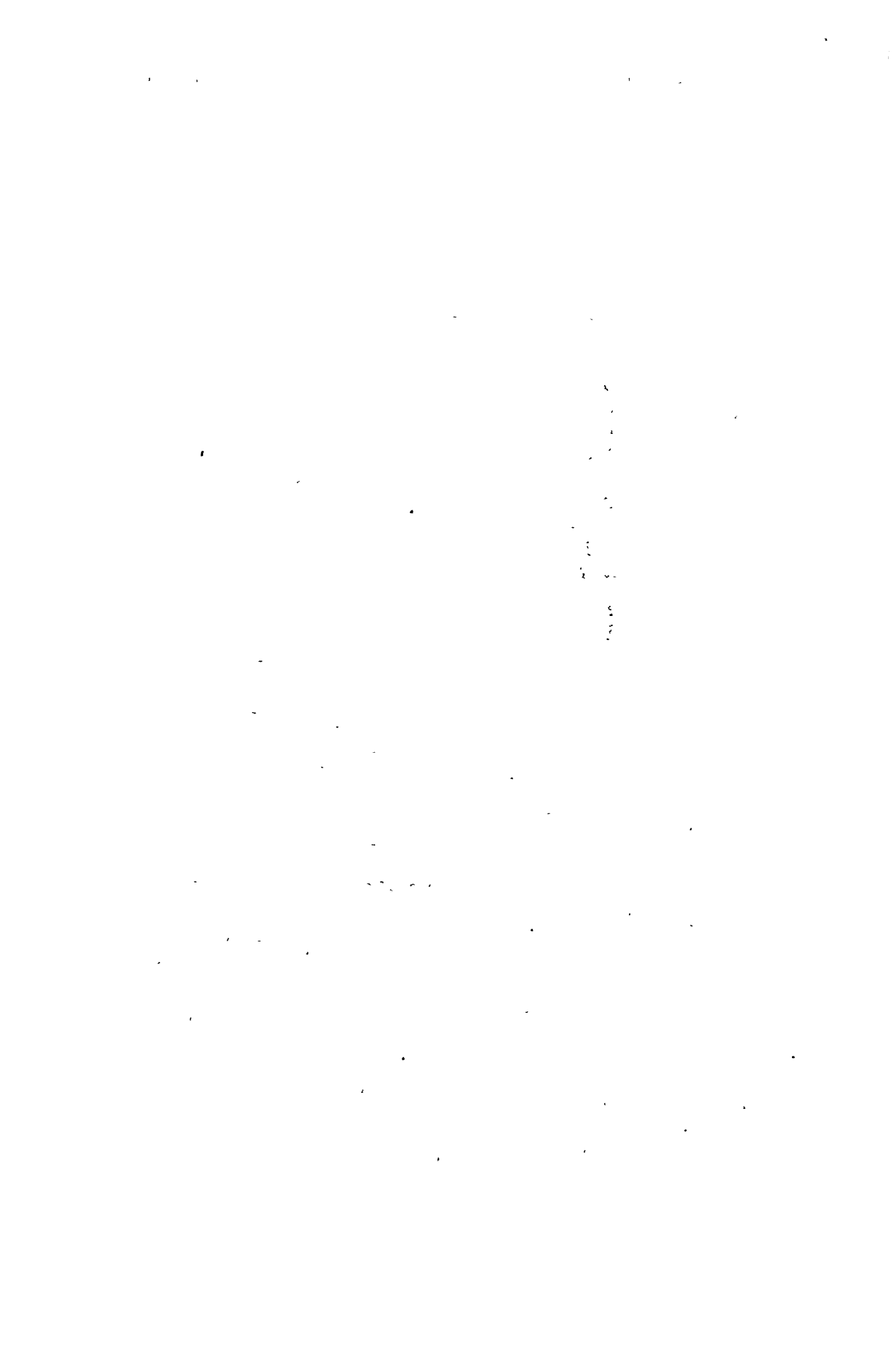
EMBRYO N.Z. LEPIDOPTERA.—A. Quail.

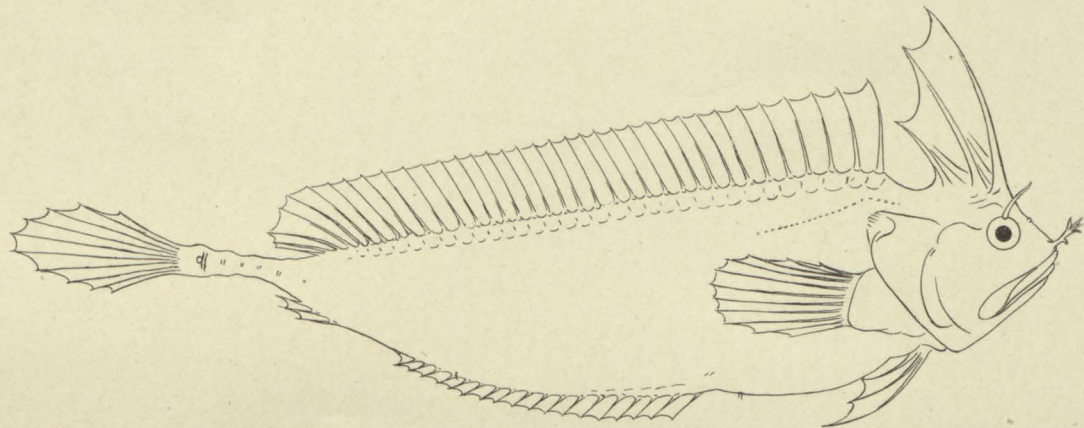




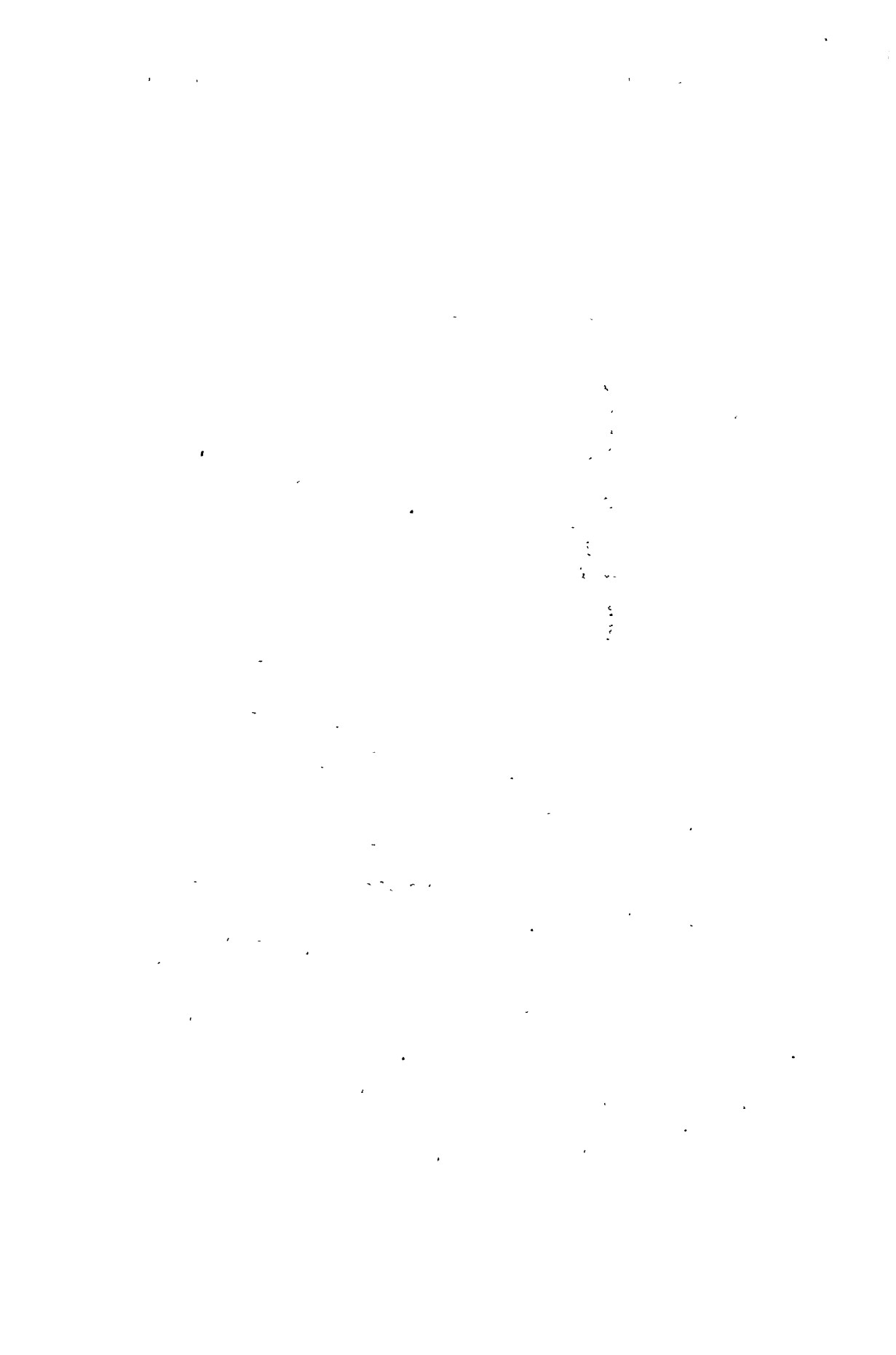


A.—*Callorhynchus antarcticus*, female. B.—Male.  
C.—*Chimæra collicei* (= *C. monstrosa* var. *australis*?) female. D.—Male.



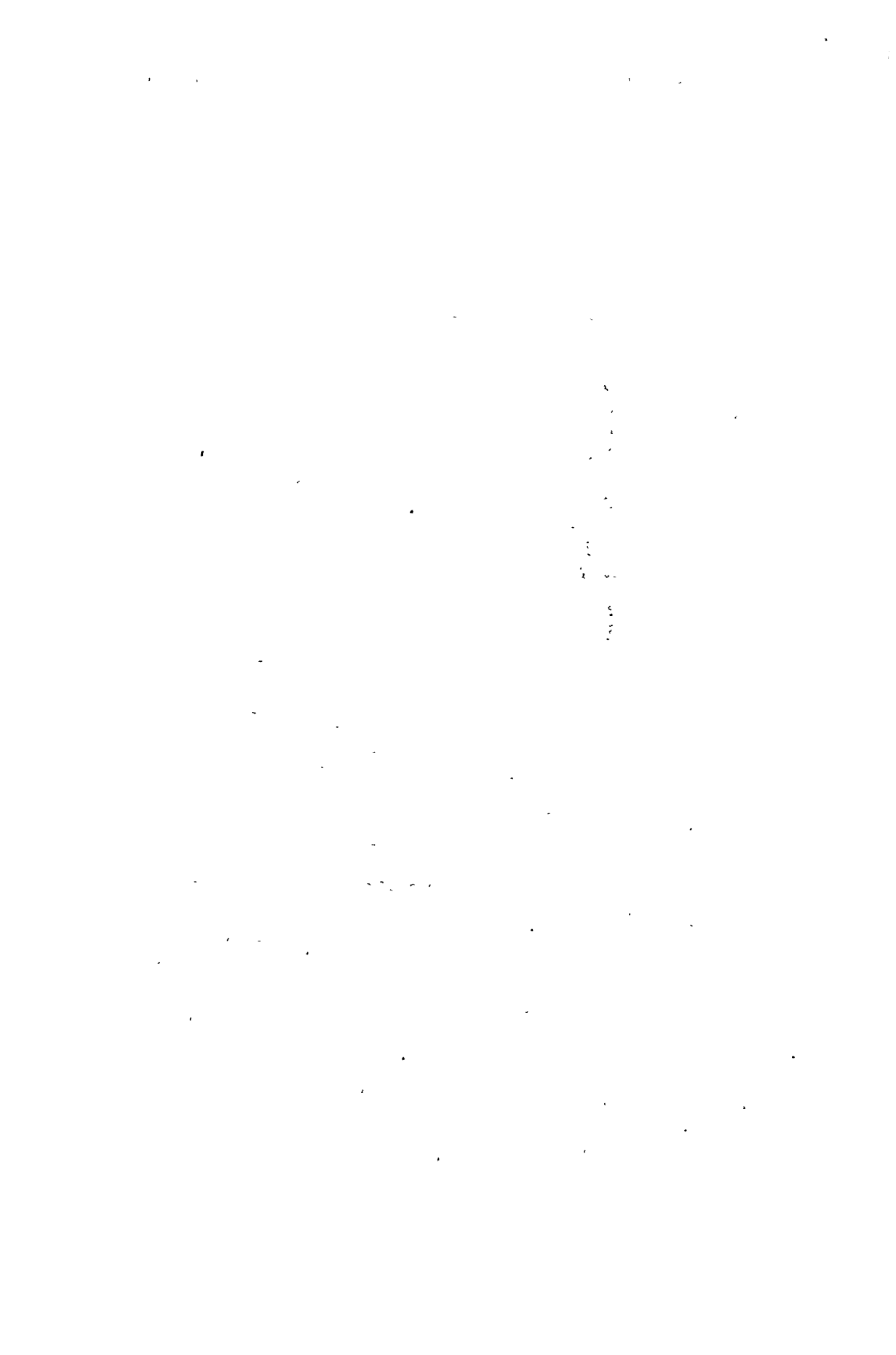


*Auchenopterus aysoni*, n.s.



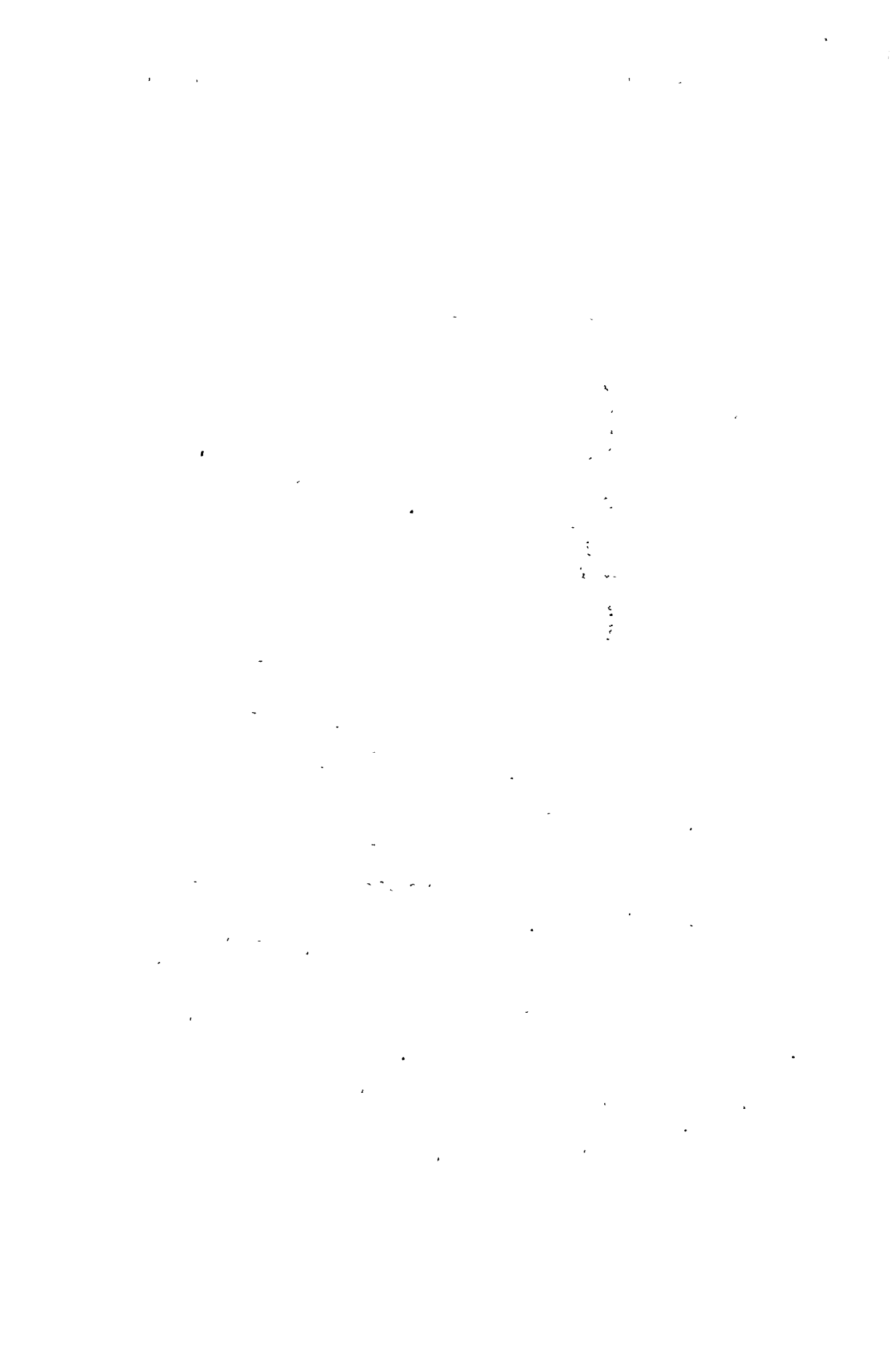


COTULA FEATHERSTONII.—Cockayne.

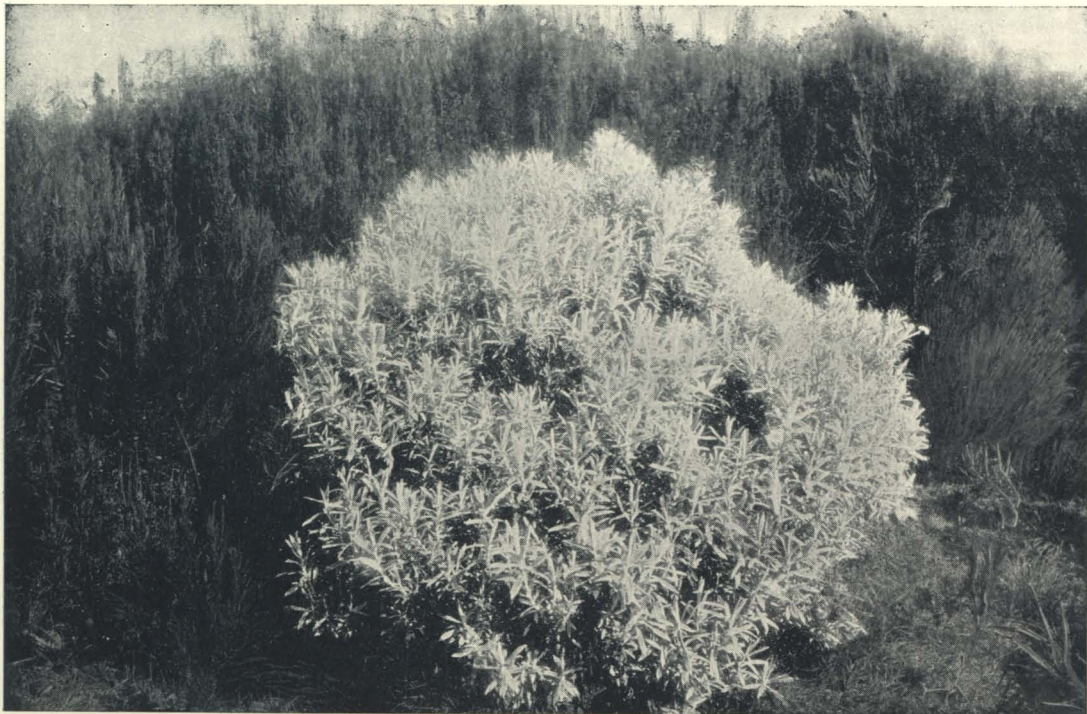




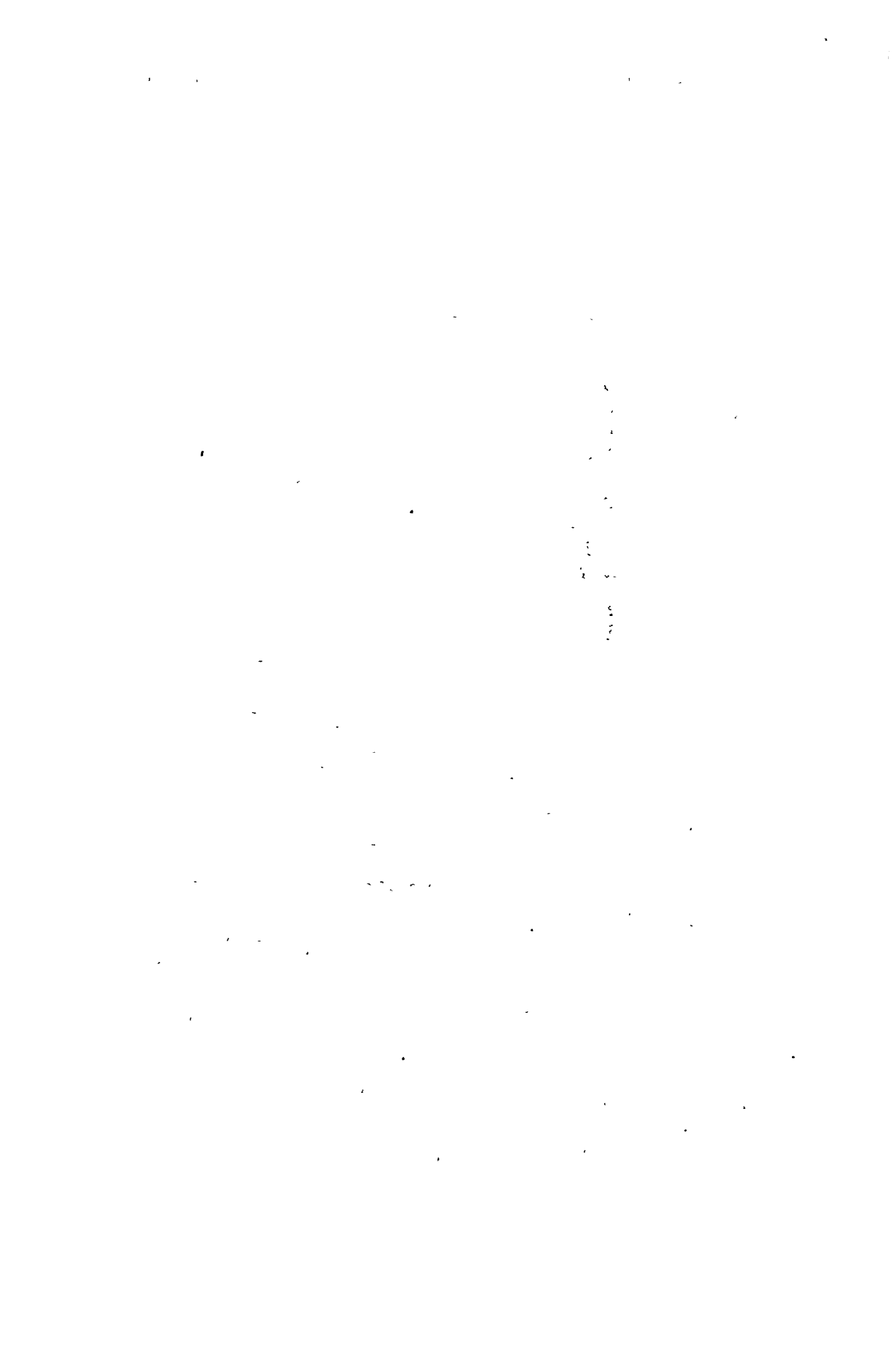
MYOSOTIDIUM NOBILE.—Cockayne.





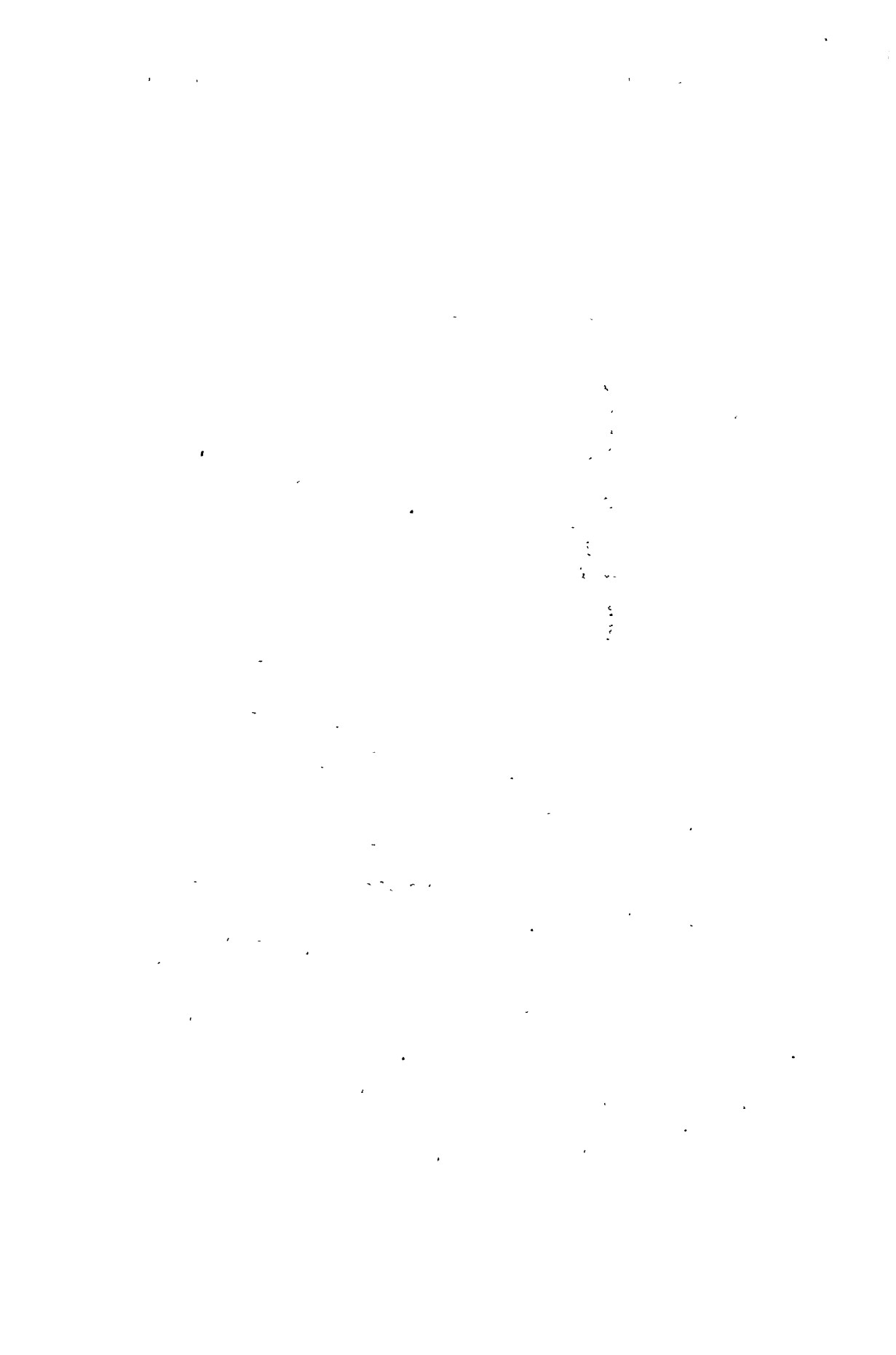


*OLEARIA SEMIDENTATA*.—Cockayne.

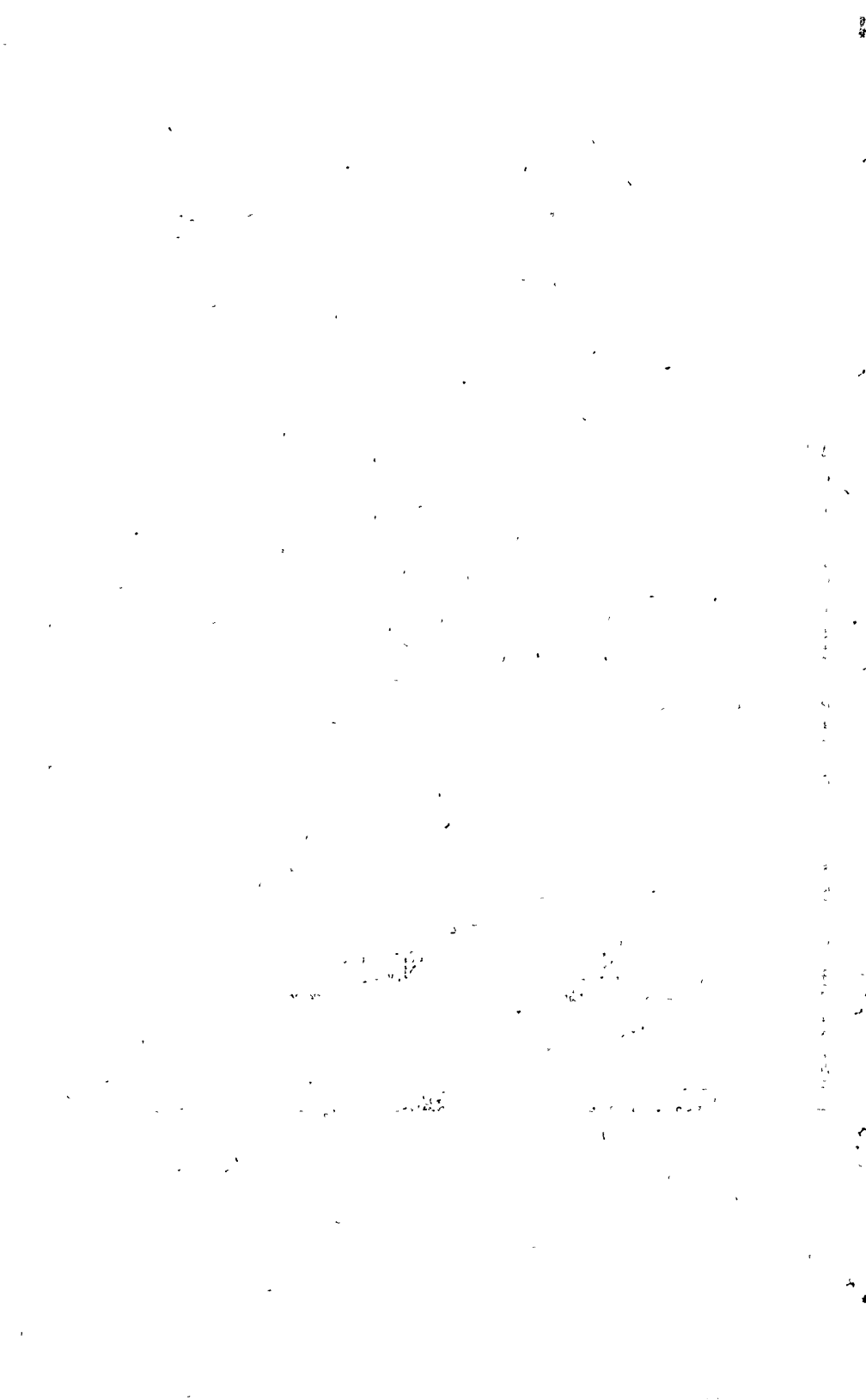


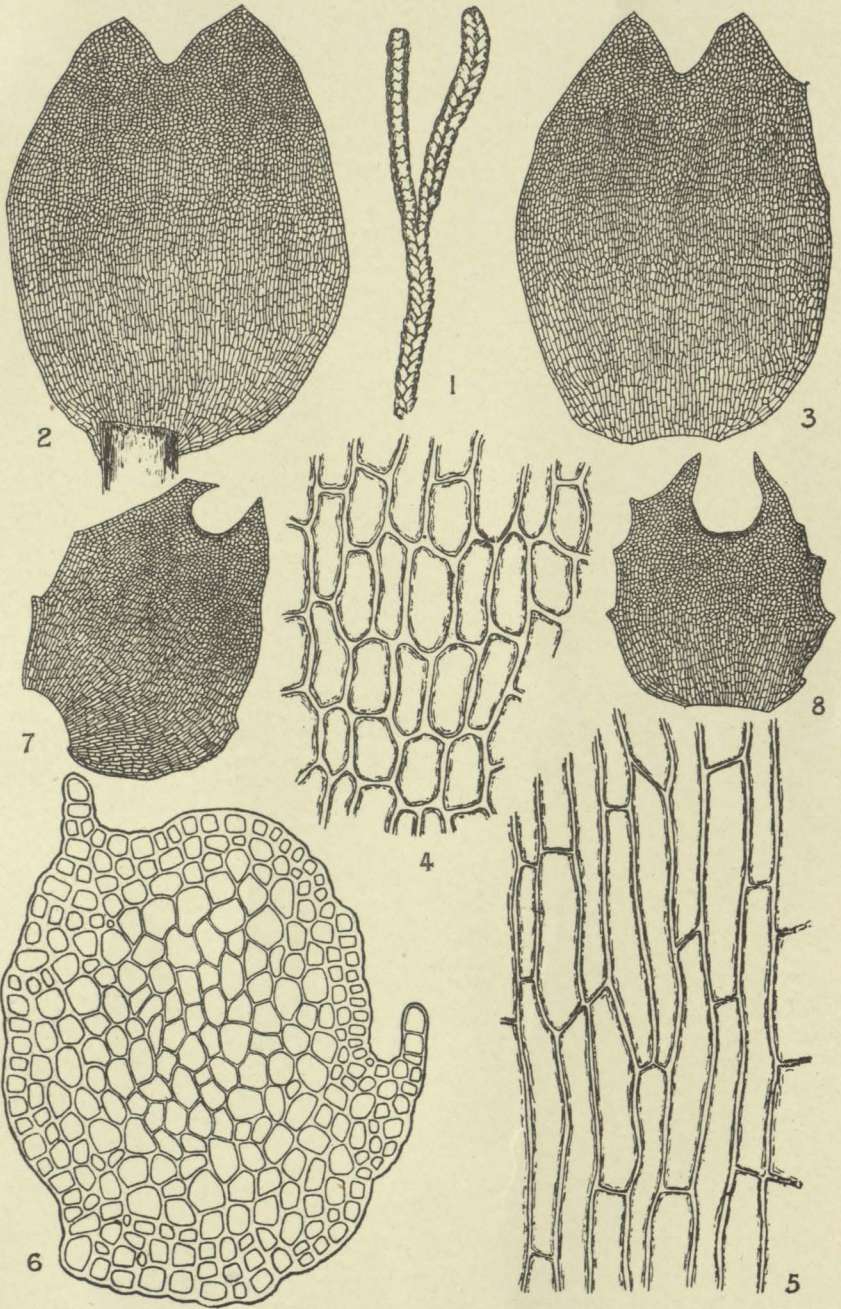


DRACOPHYLLUM ARBOREUM.—Cockayne.









E. S. Salmon del.

ISOTACHIS STEPHANII





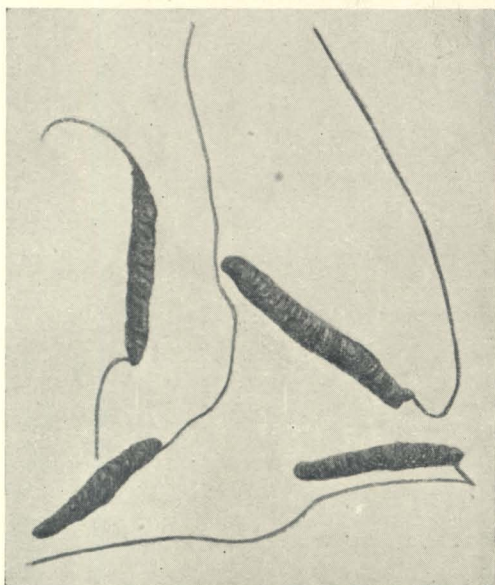


Fig. 1.

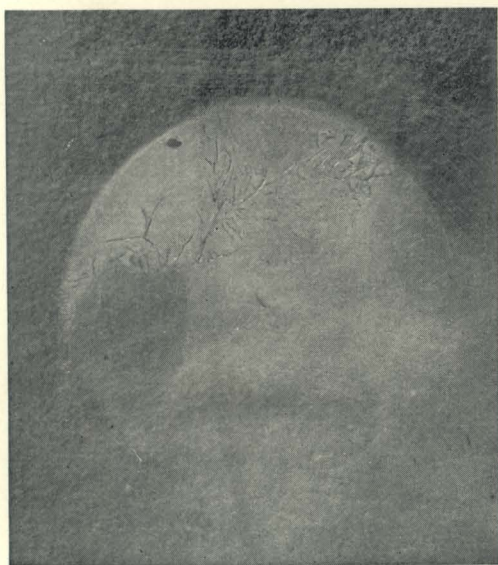
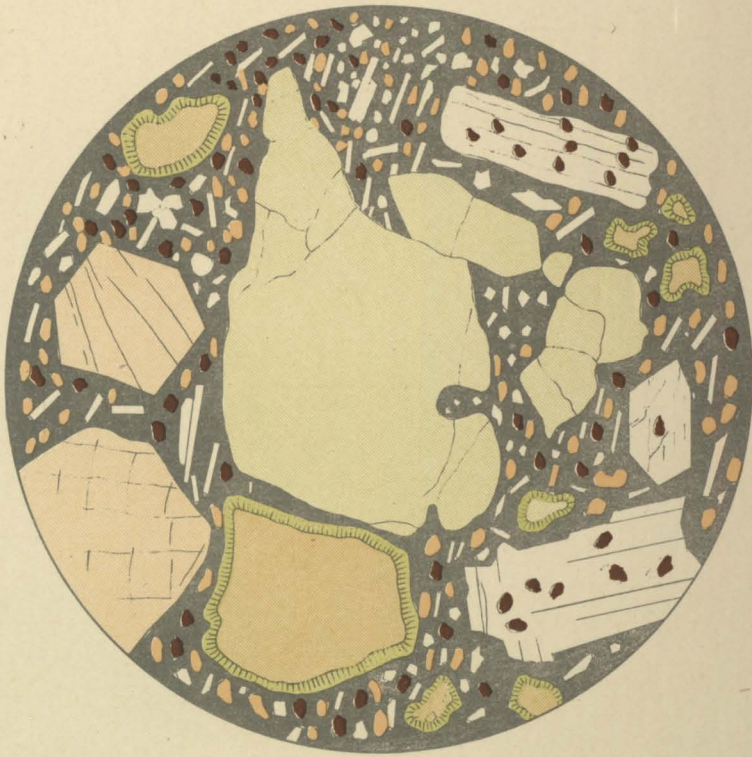


Fig. 2.

**CORDICEPS.—Hill.**



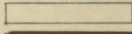




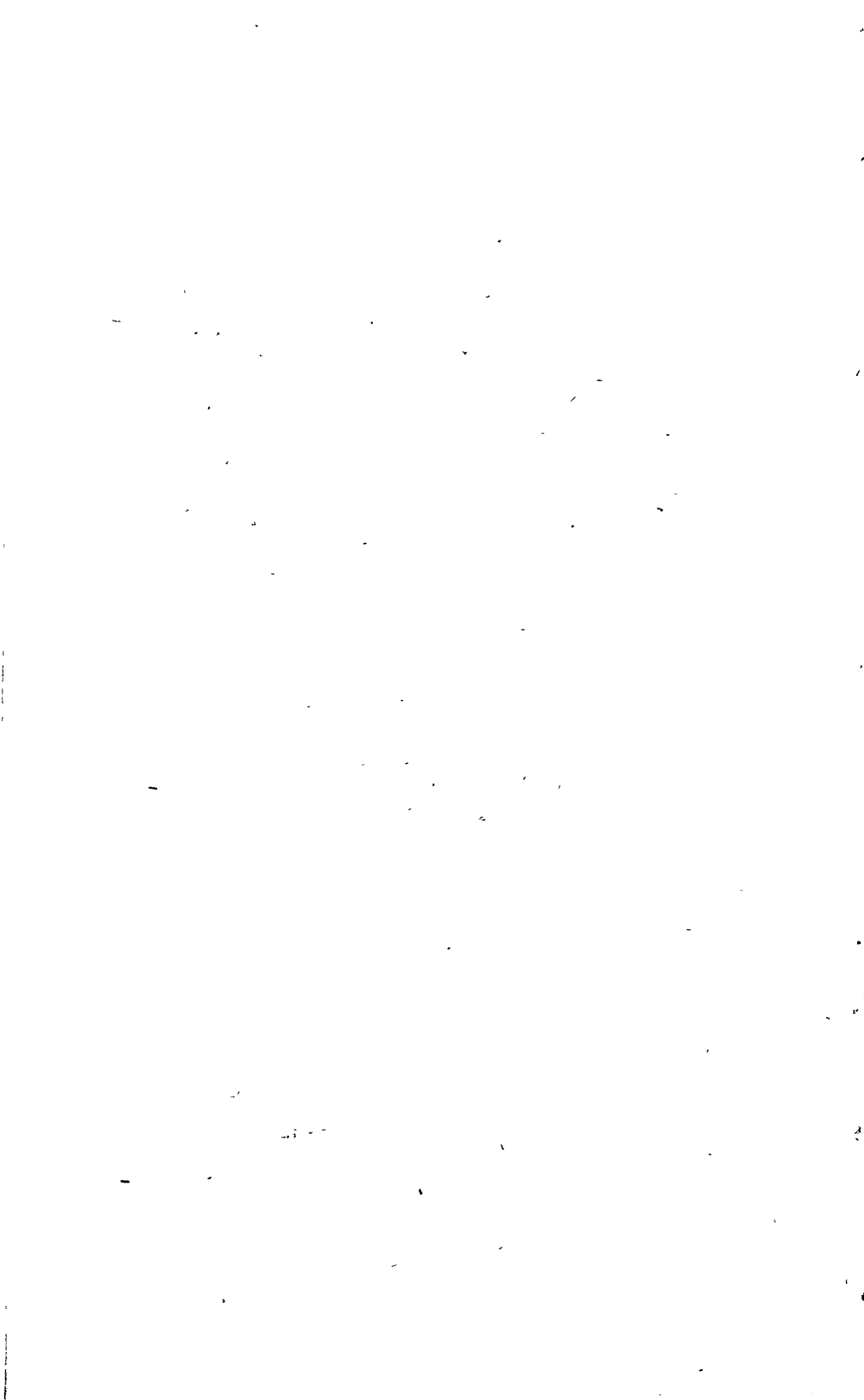
A.  
FRAGMENT FROM TAKAPUNA ASH-BEDS.



MAGNIFIED 50 DIAMETERS.

In this and three following plates the ground-mass is largely opaque, but not vitreous, dark matter, probably due to kaolinisation of feldspar.




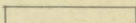


Altered olivine crystal	...	...	
Augite crystals and specks	...	...	
Feldspar crystals	...	...	
Magnetite specks	...	...	
Crystals having cavities filled with calcite with border of chlorite	...	...	



B.  
 FRAGMENT IN CONGLOMERATE FROM POINT  
 EAST OF WHANGAPARAOA.



MAGNIFIED 50 DIAMETERS.

- |                                      |     |     |   |
|--------------------------------------|-----|-----|---|
| Altered olivine crystals (two shown) | ... | ... |    |
| Augite crystals                      | ... | ... |   |
| Feldspar crystals                    | ... | ... |    |
| Magnetite specks                     | ... | ... |    |
| Chlorite lining inside of cavities   |     |     |    |



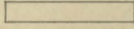

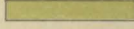


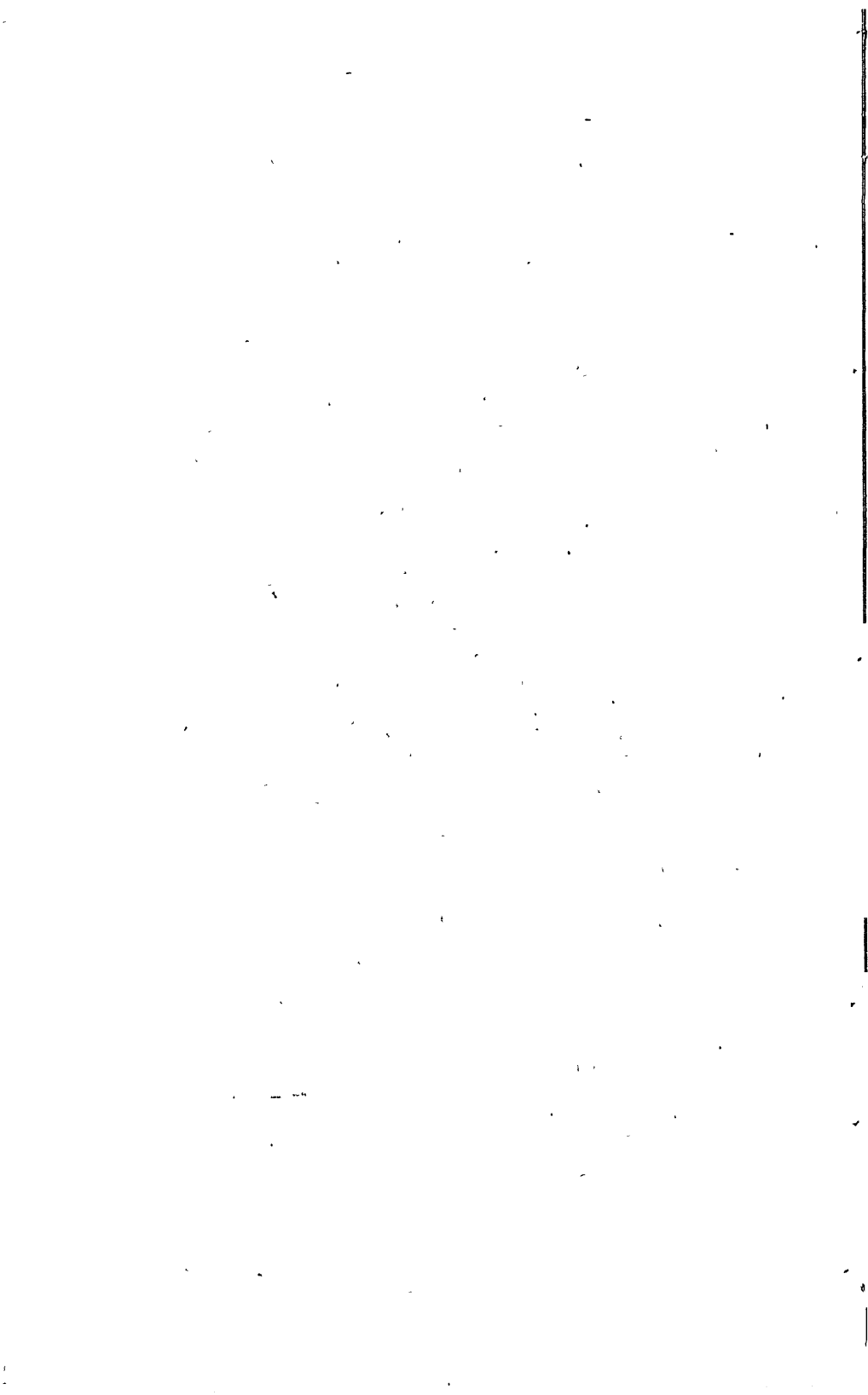
C.

FRAGMENT IN GRIT FROM THE HORN, MANUKAU HARBOUR.



MAGNIFIED 50 DIAMETERS.

Augite crystals	...	...		
Feldspar crystals	...	...		
Magnetite specks	...	...		
Cavity partly filled with chlorite	...	...		








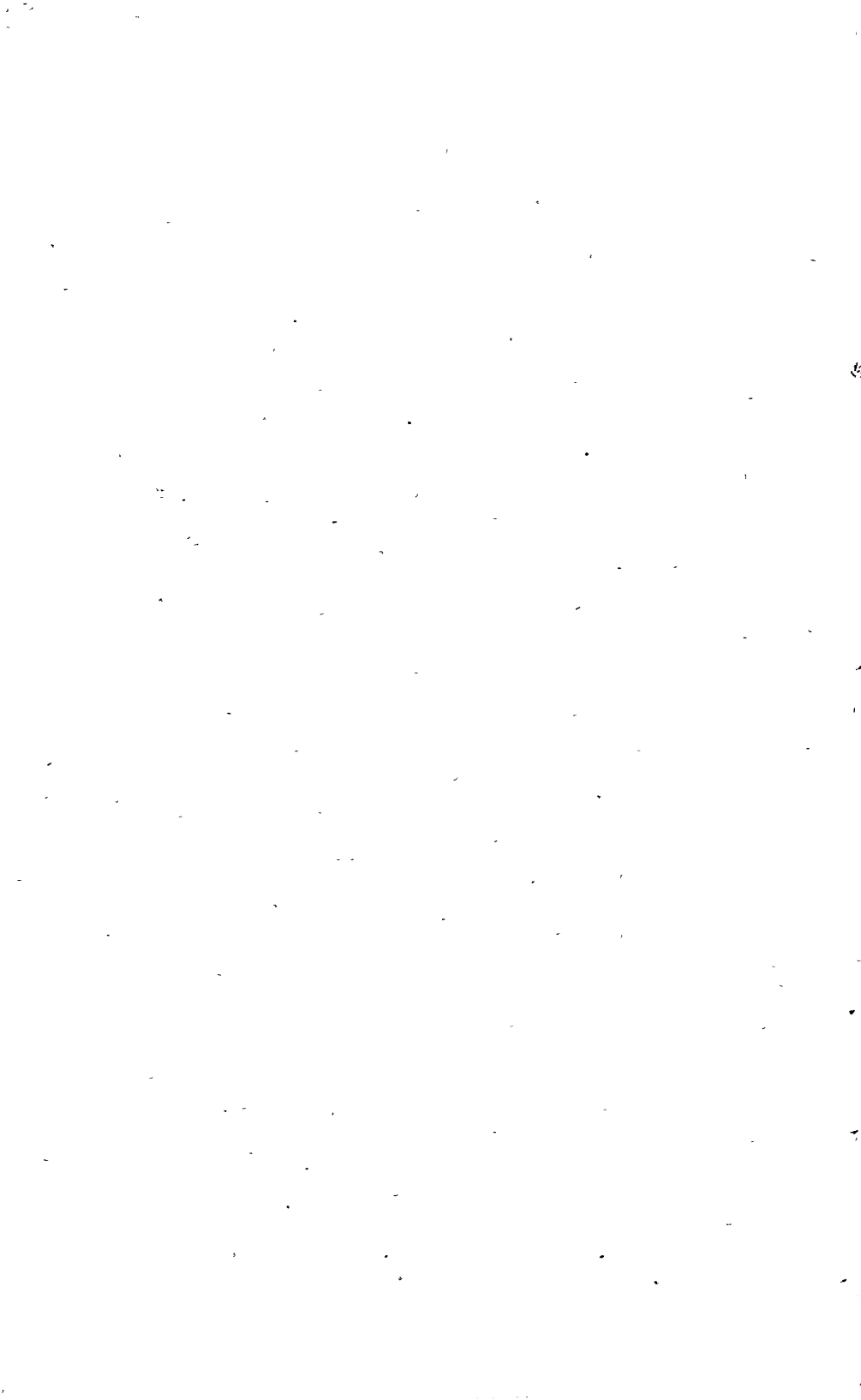
D.  
FRAGMENT IN GRIT AT CHELTENHAM BEACH.



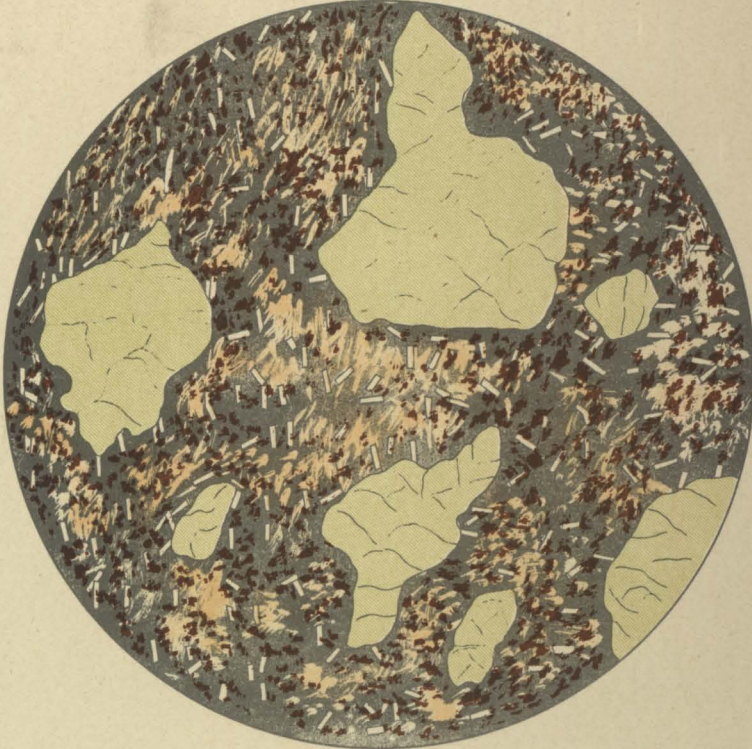
MAGNIFIED 50 DIAMETERS.

Augite crystals	...	...	
Feldspar crystals	...	...	
Magnetite specks	...	...	
Chlorite	...	...	

Some of the larger green crystals may be altered olivine, the rest is probably due to the alteration of some pyroxene.


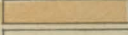
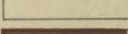



E.  
MOUNT EDEN BASALT.

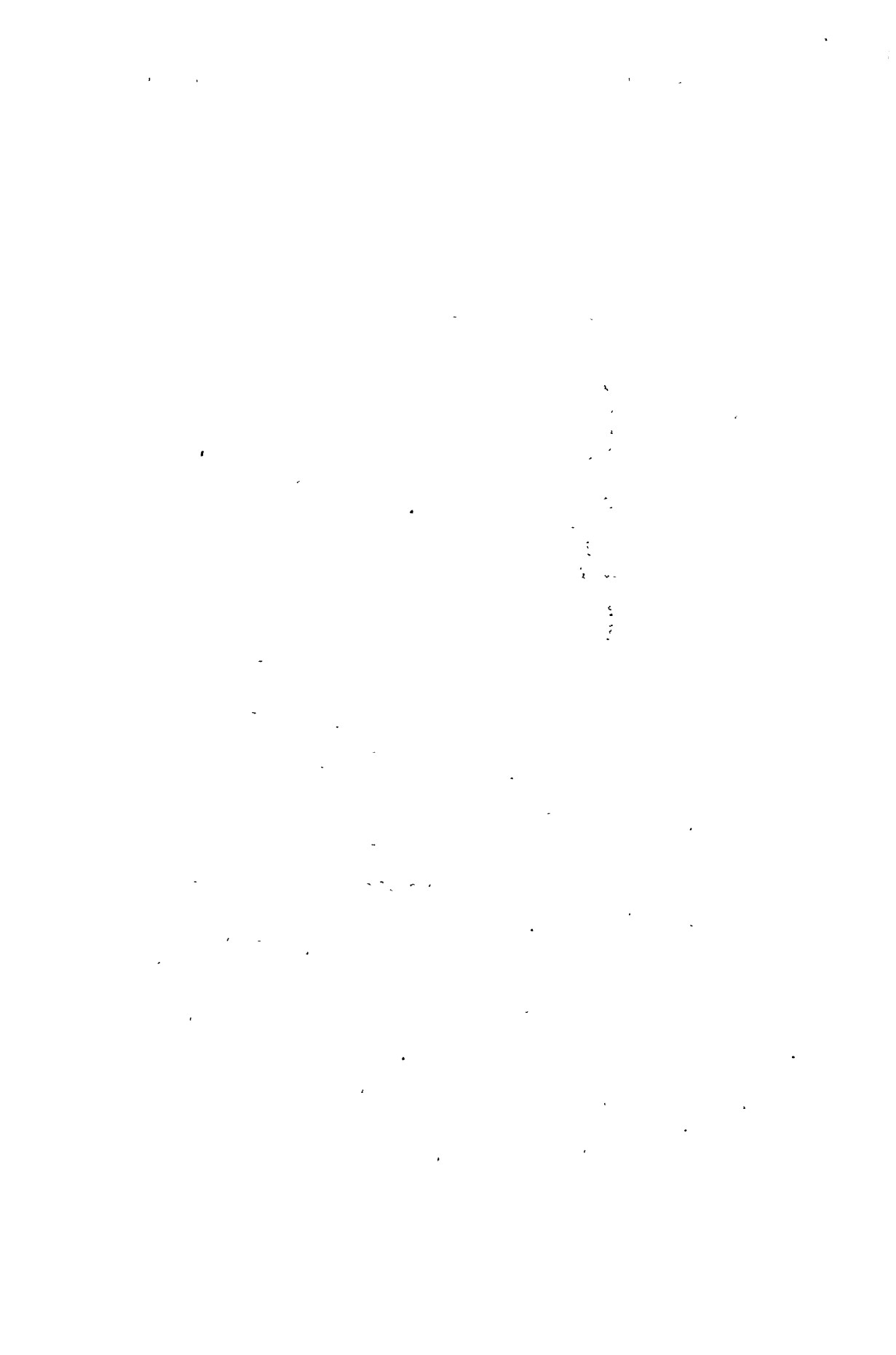


MAGNIFIED 50 DIAMETERS.

Ground-mass vitreous, consisting of small triclinic needle-shaped feldspar crystals and microliths, minute augite crystals and specks of magnetite imbedded in a glassy magma.

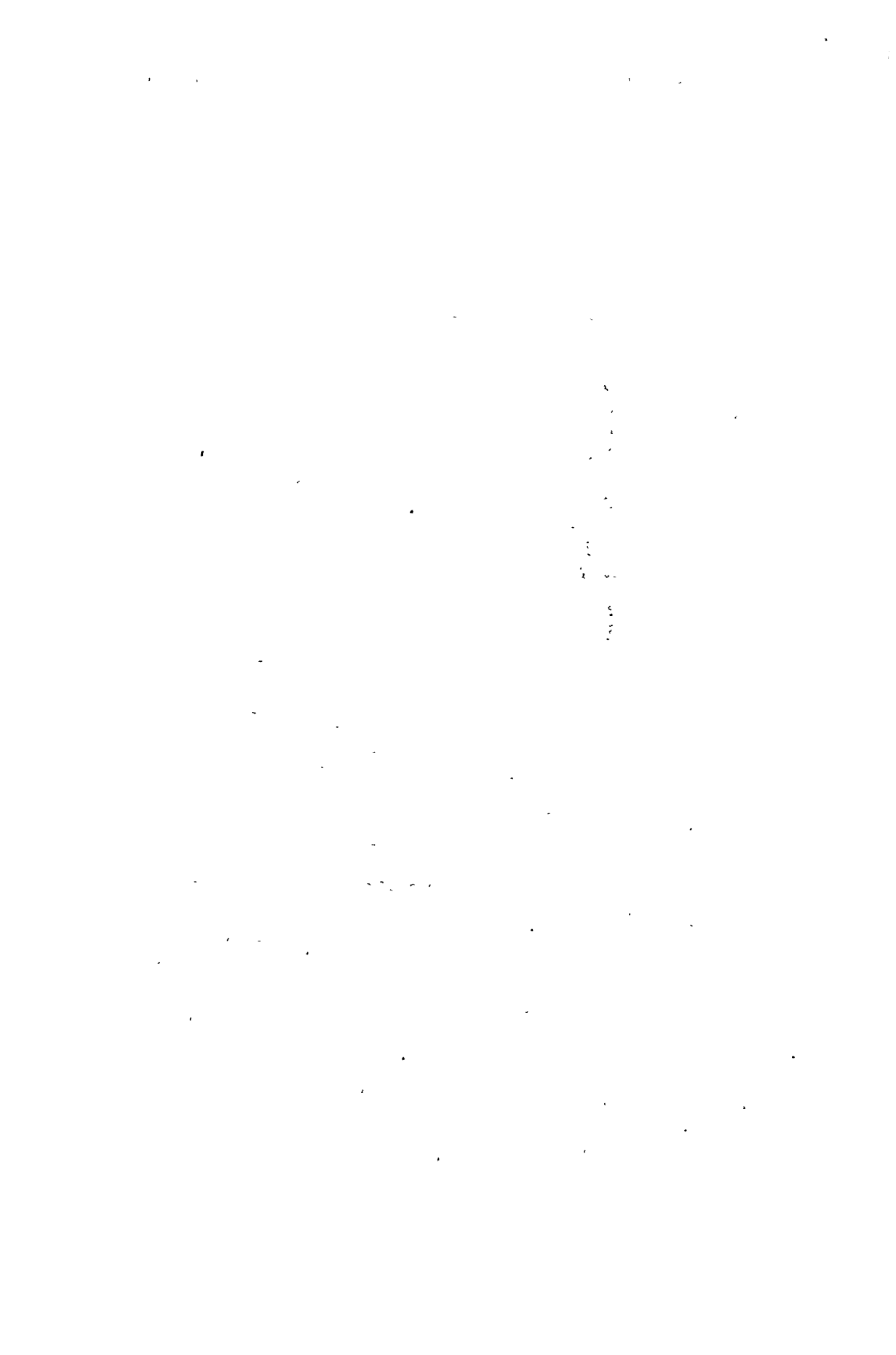
Olivine crystals.	...	...	
Augite crystals	...	...	
Feldspar crystals	...	...	
Magnetite specks	...	...	

The olivine is abundant; the smaller crystals can only be recognised under crossed nicols.



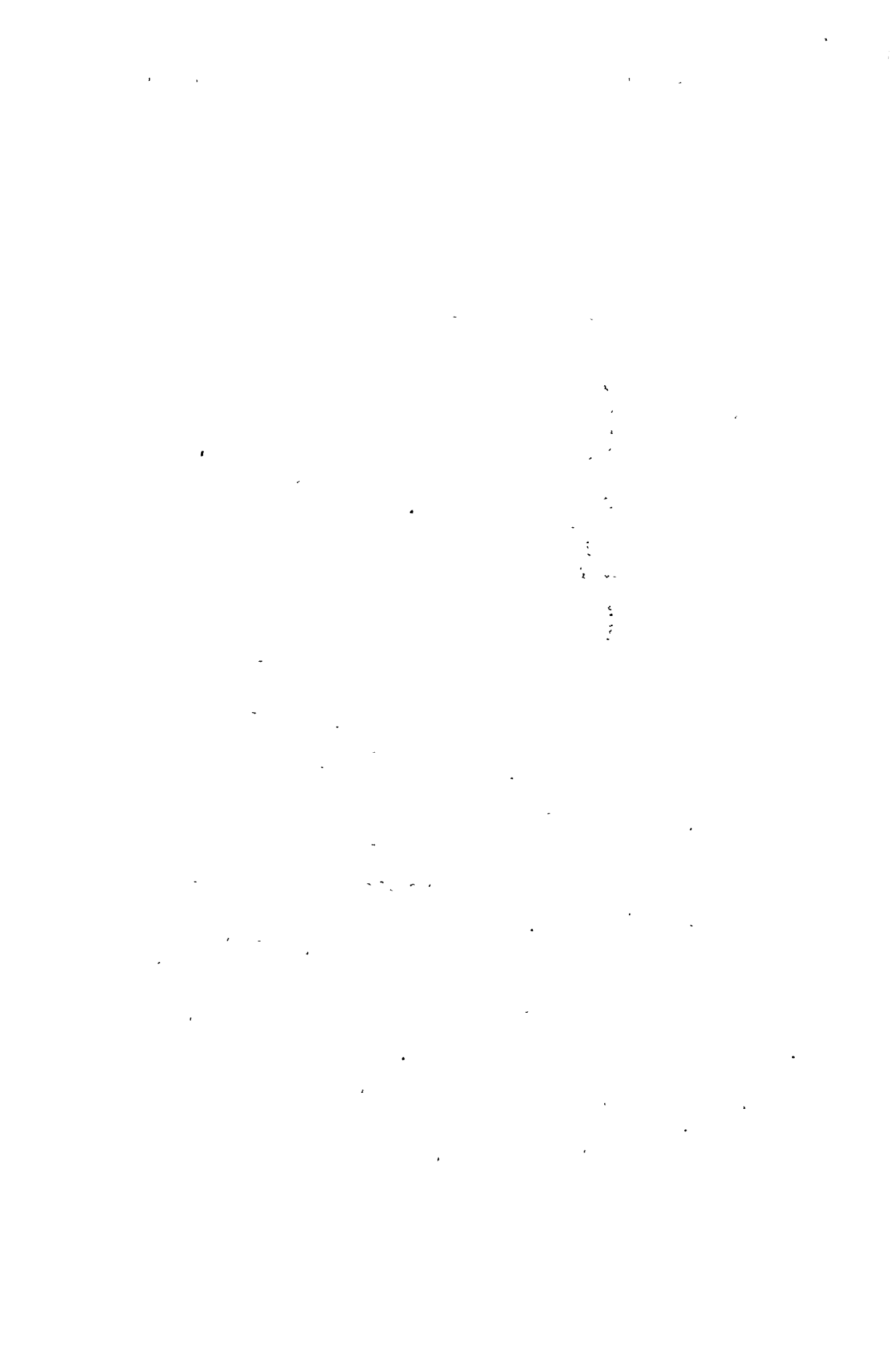


MORAINES, LEITH VALLEY.—Park.

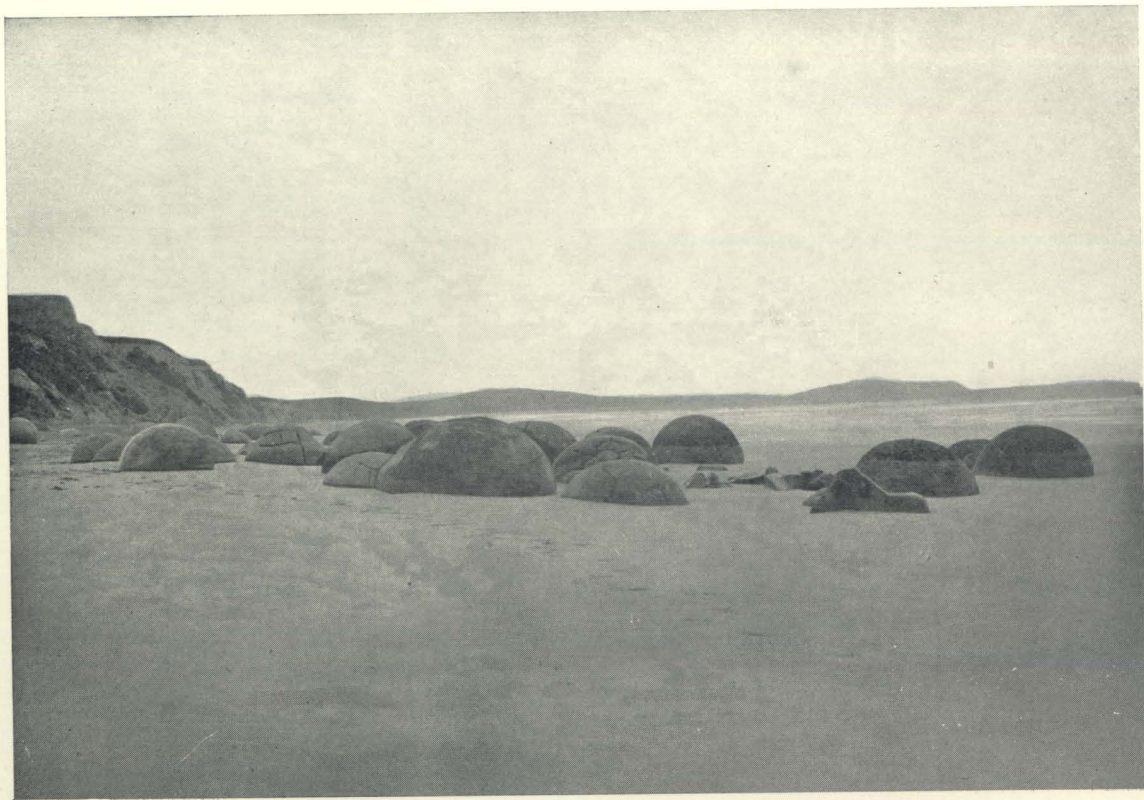




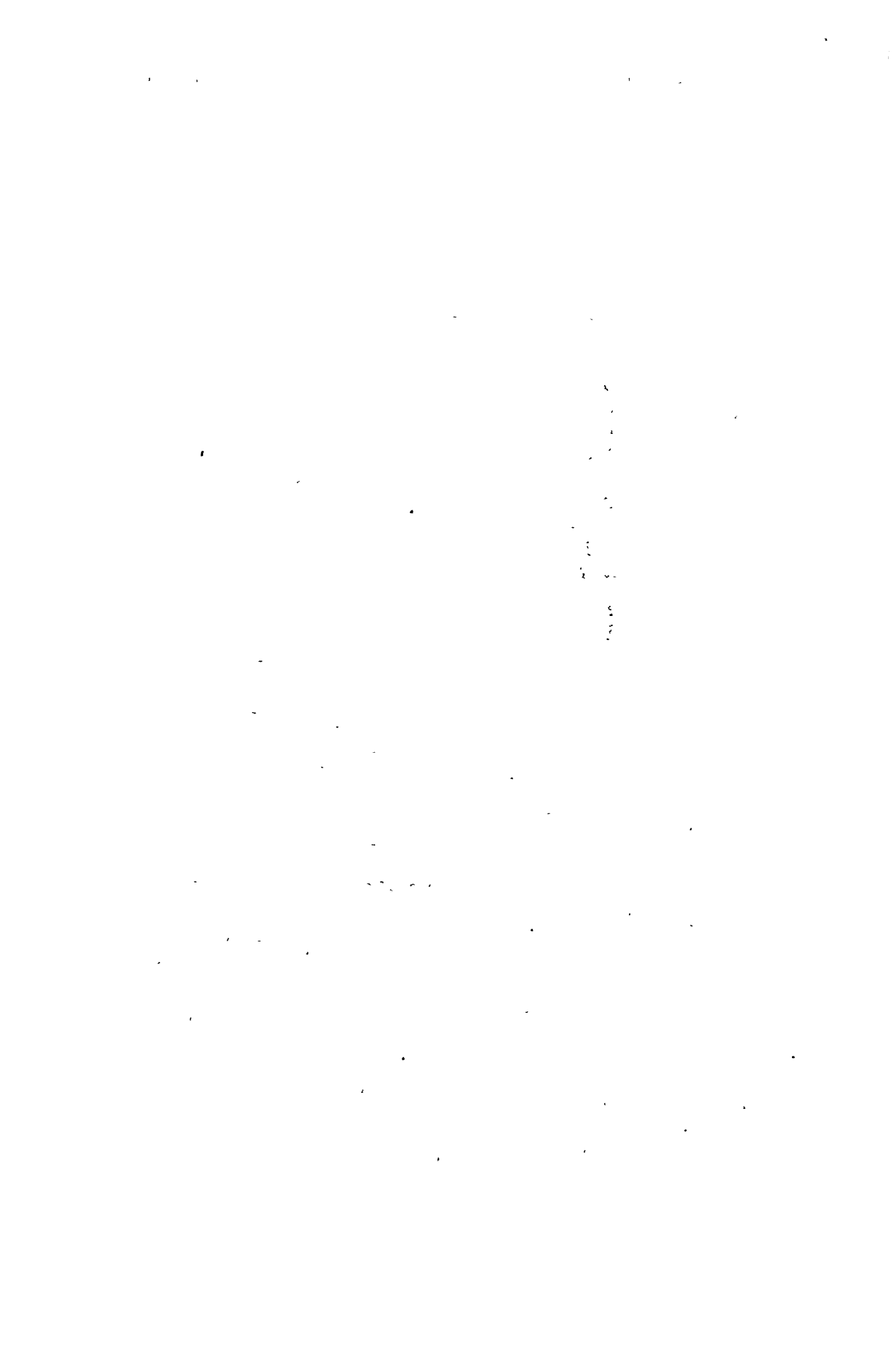
MORAINES, LEITH VALLEY.—Park.





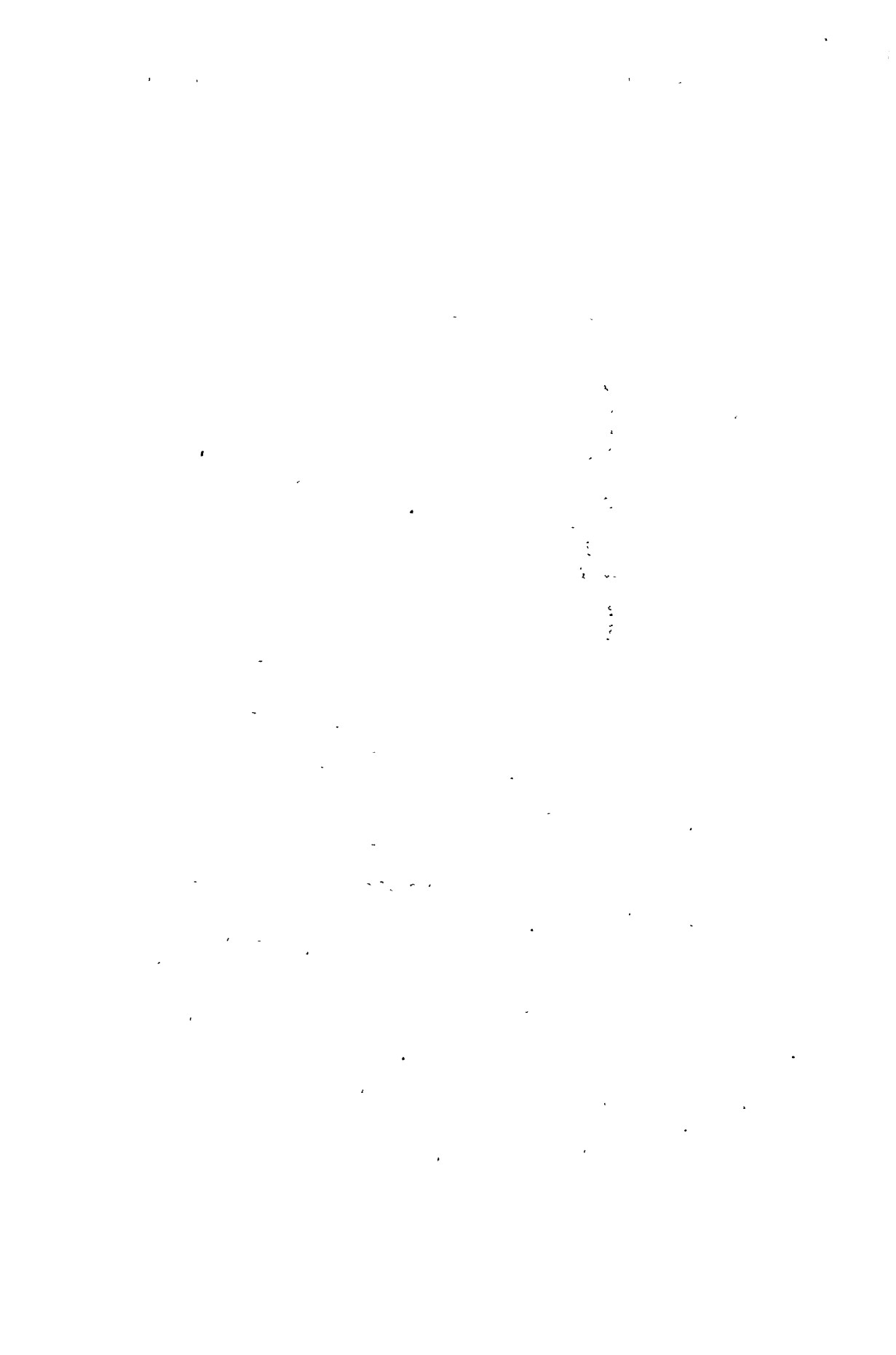


MOERAKI BOULDERS.—Hamilton.



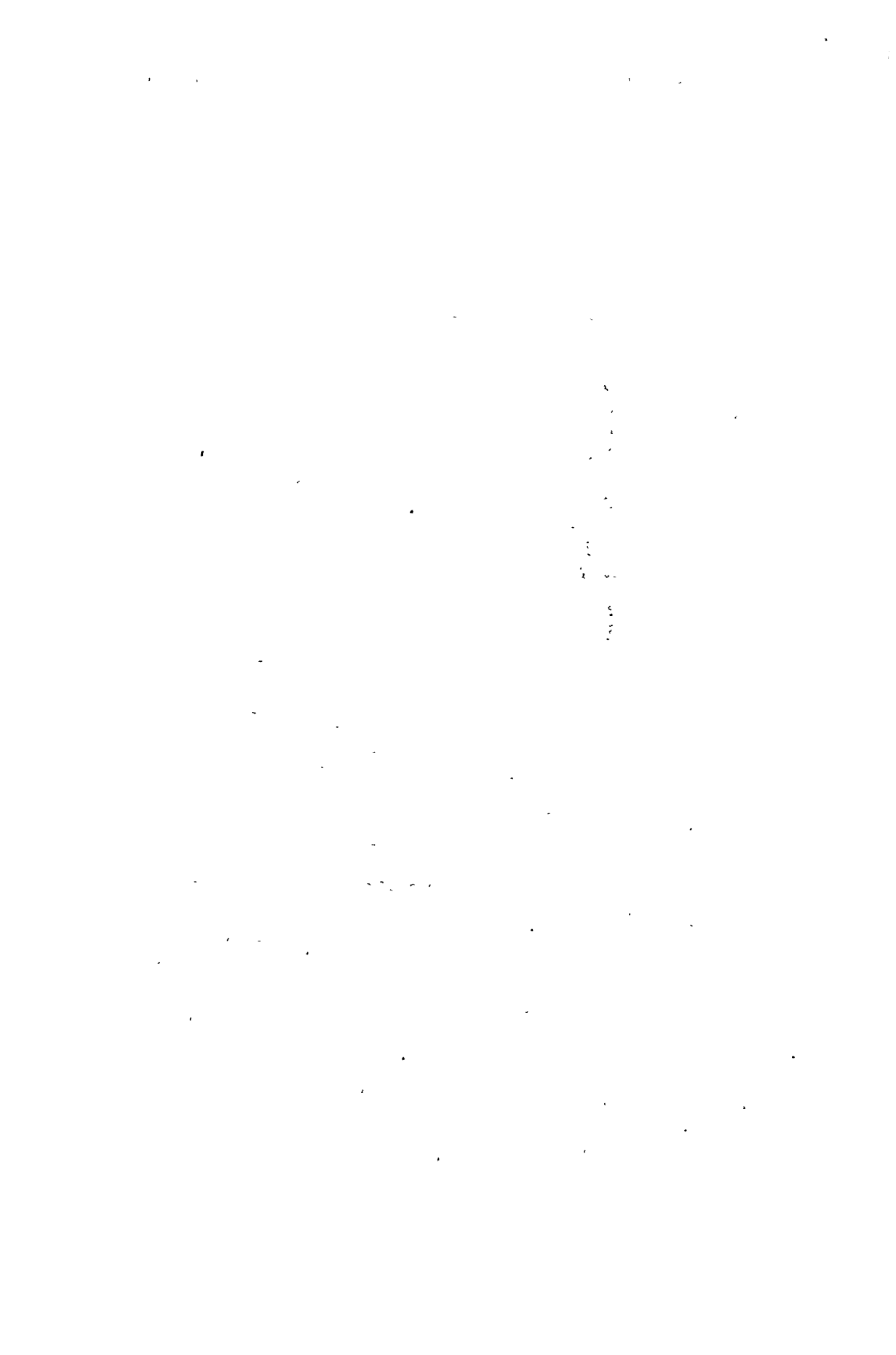


MOERAKI BOULDERS.—Hamilton.



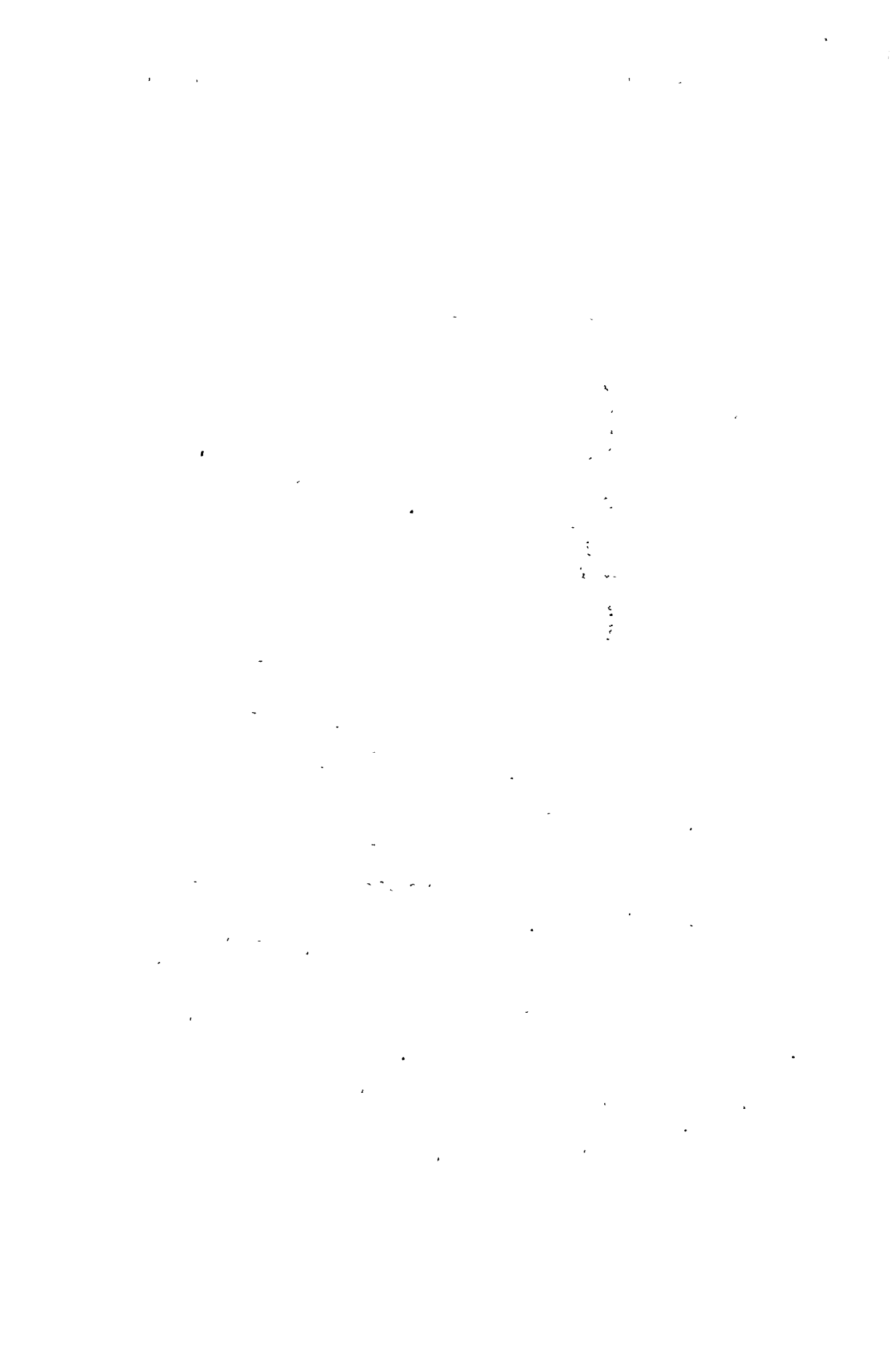


MOERAKI BOULDERS.—Hamilton.

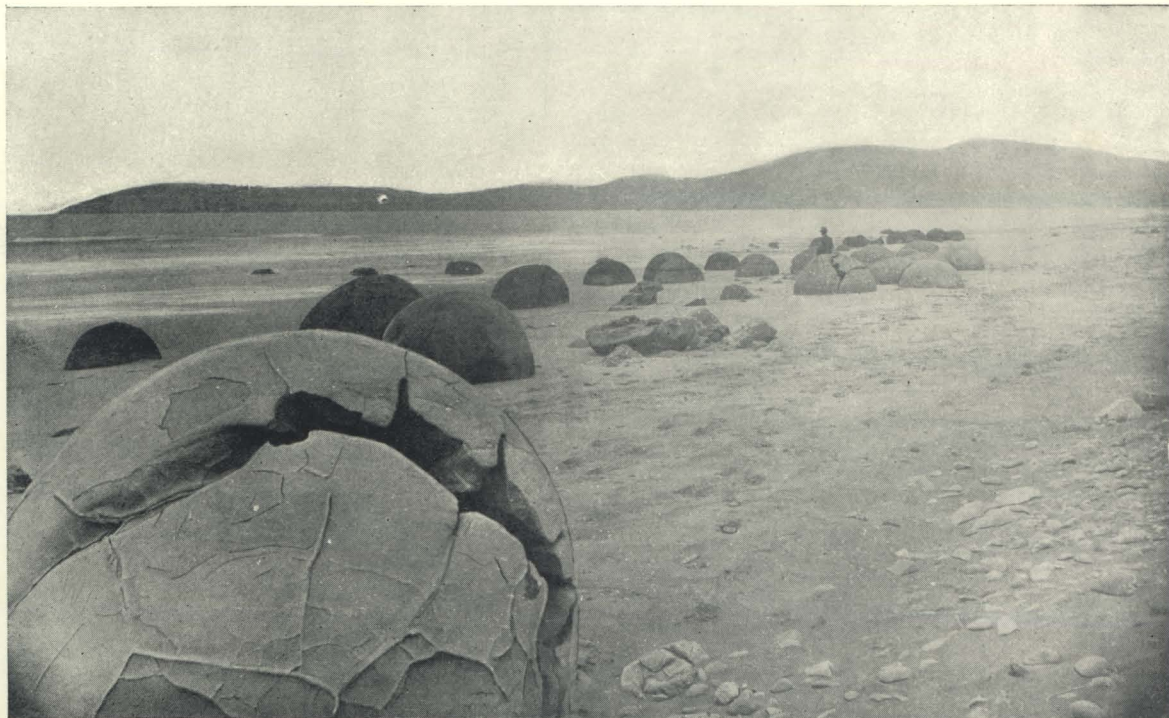




MOERAKI BOULDERS.—Hamilton.





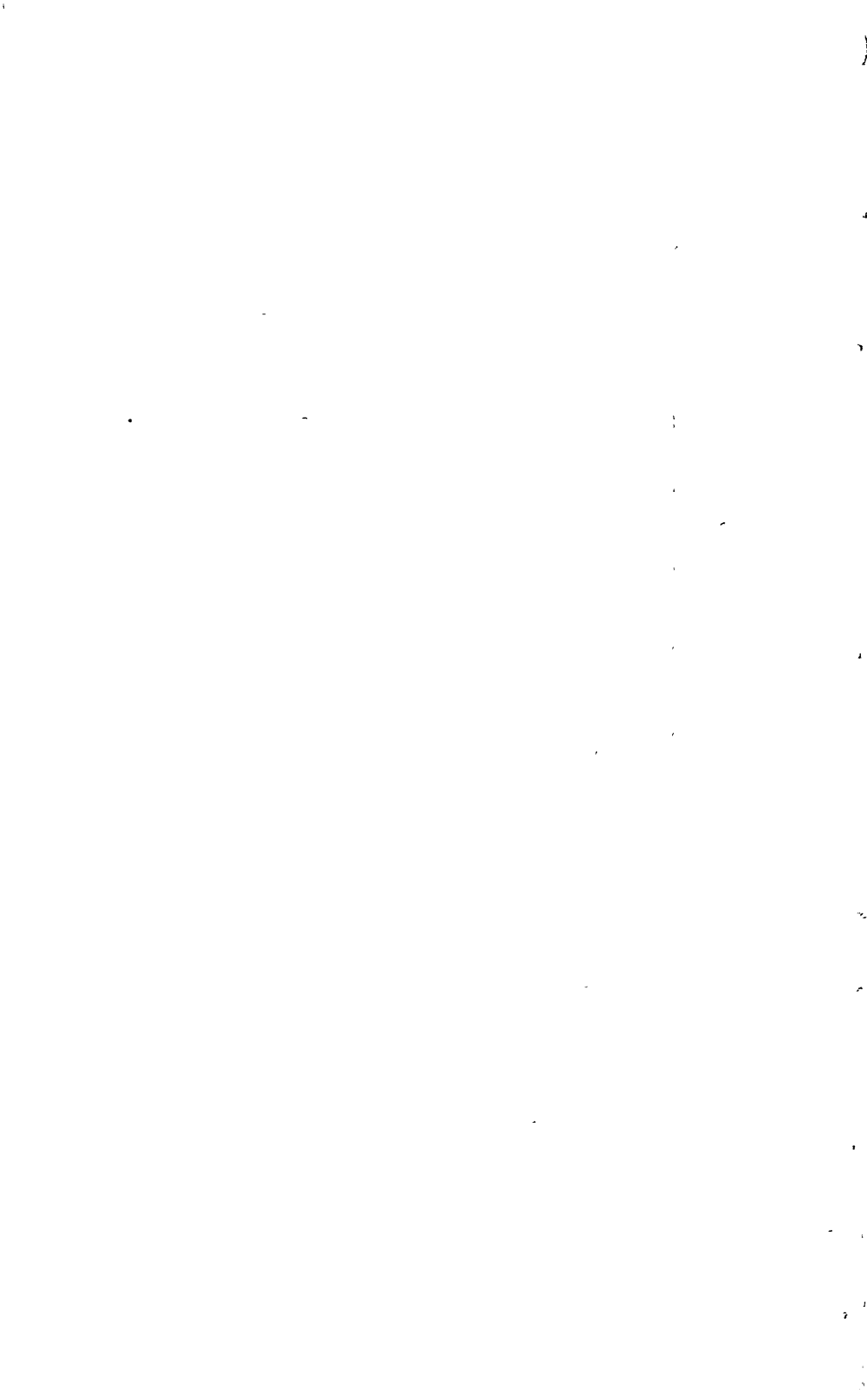


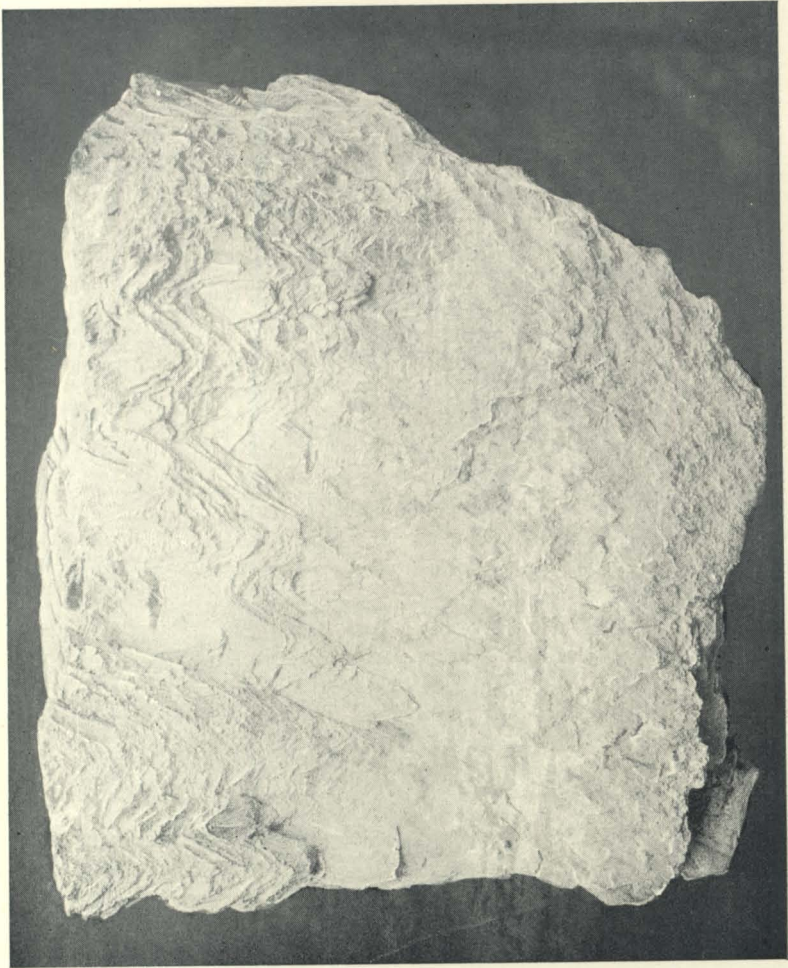
MOERAKI BOULDERS,—Hamilton.





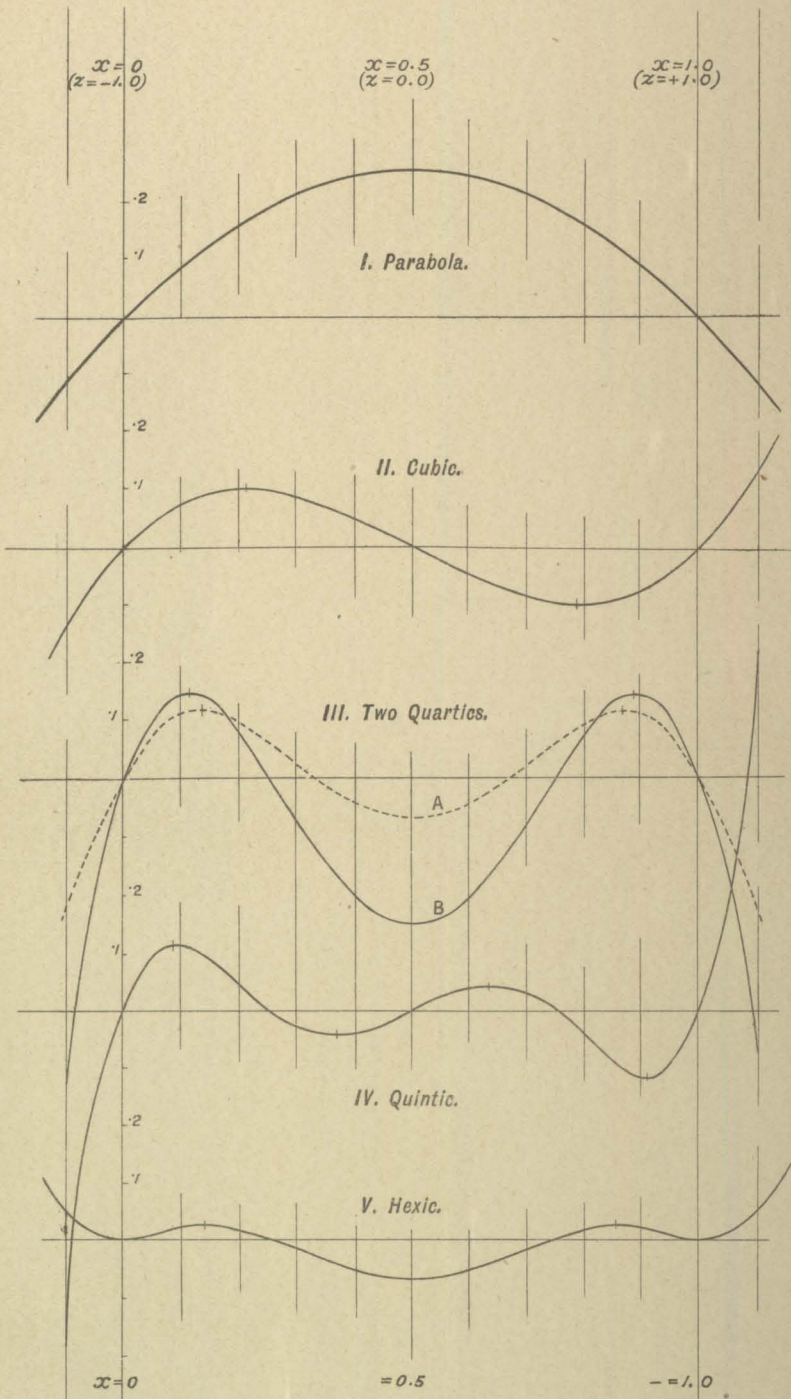
CONE IN CONE-LIMESTONE.—Hamilton.





CONE IN CONE-LIMESTONE.—Hamilton.





PHENOMENA OF VARIATION P.P.—Brown.

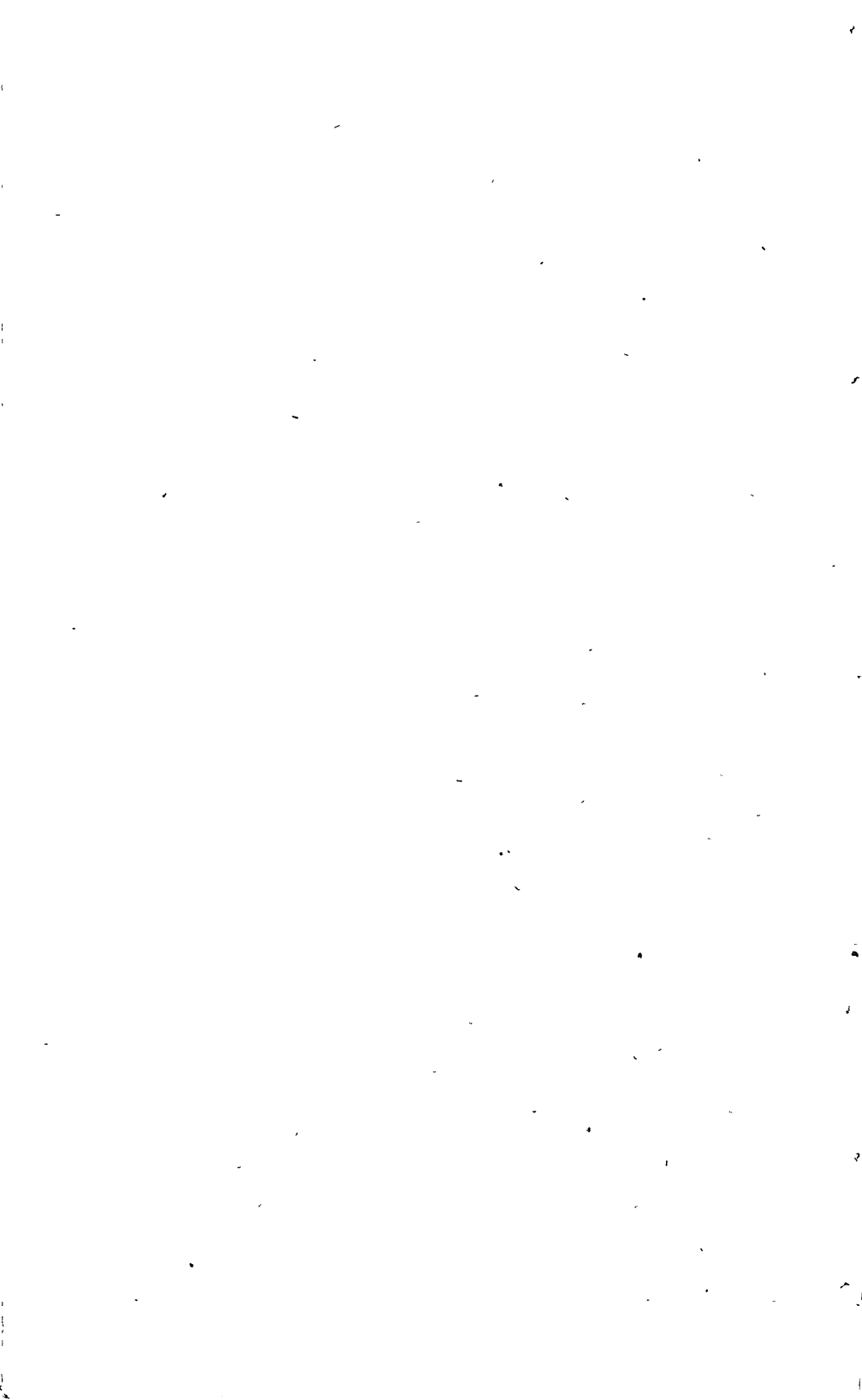
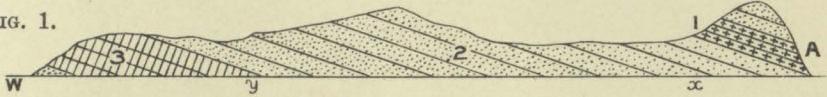








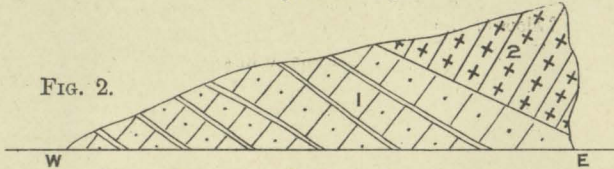
FIG. 1.



- A. White Bluff.  
 1. Parnell grit?      2. Sandstones.  
 3. Cheltenham breccia?

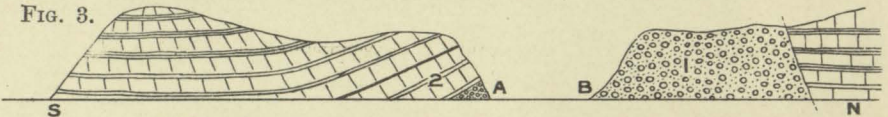
*x* and *y*, small bays.

FIG. 2.



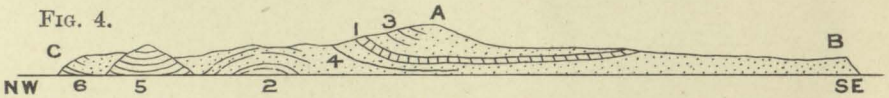
1. Sandstones.      2. Cheltenham breccia.

FIG. 3.



- A. Pt. where bryozoa occur.  
 B. Deep Creek.  
 1. Breccia.  
 2. Sandstones and shale.

FIG. 4.



- A. St. John's College.      1. Parnell grit.      4. Concretionary grey sandstone  
 B. Tamaki Gulf (Pt. England).      2. Wairau tuffs.      5. Pleistocene (?) tuff.  
 C. Orakei.      3. Yellow sandstones.      6. Orakei greensand.

FIG. 5.

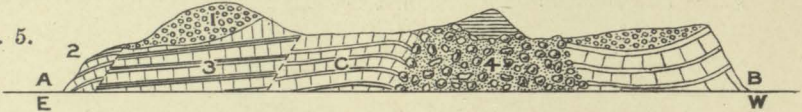
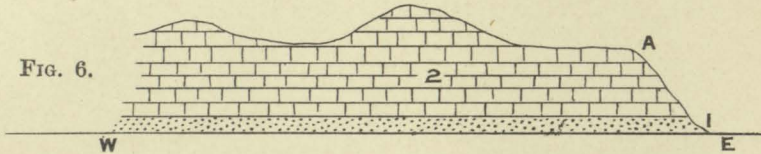
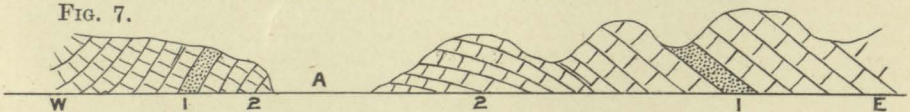


FIG. 6.



- A. Cape Horn.      1. Parnell grit.      2. Sandstones.

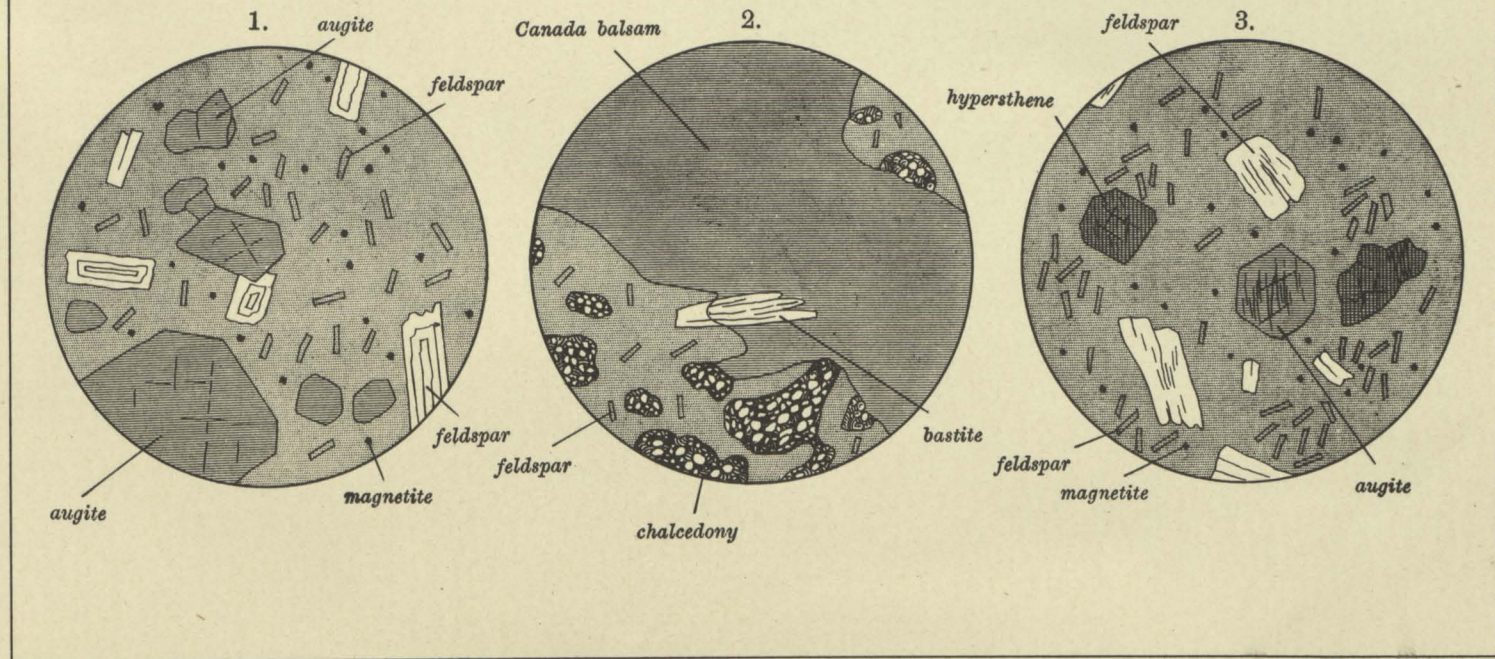
FIG. 7.

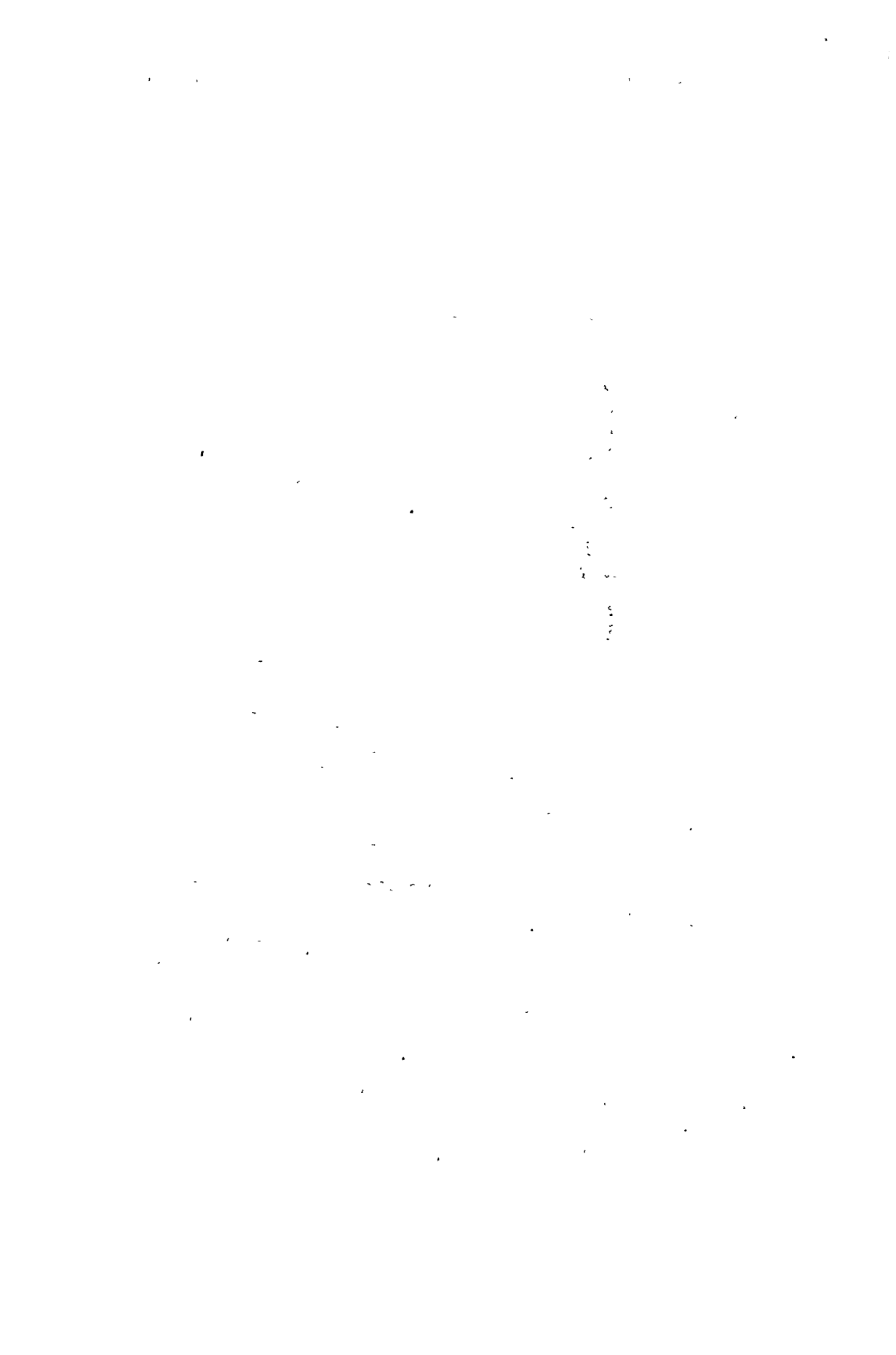


- A. Blockhouse Bay.      1. Parnell grit.      2. Sandstone.

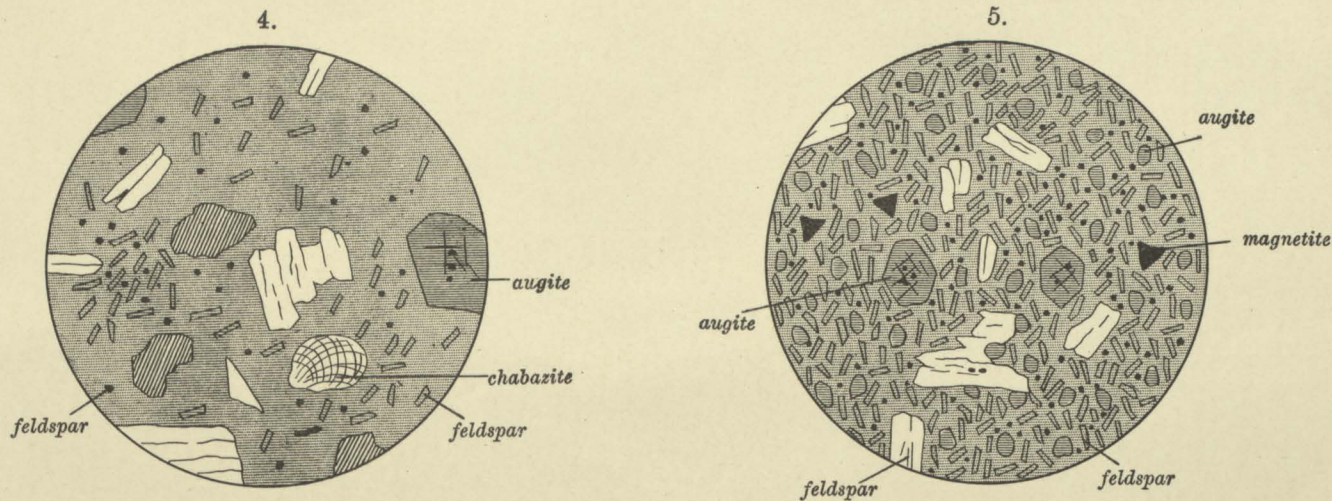


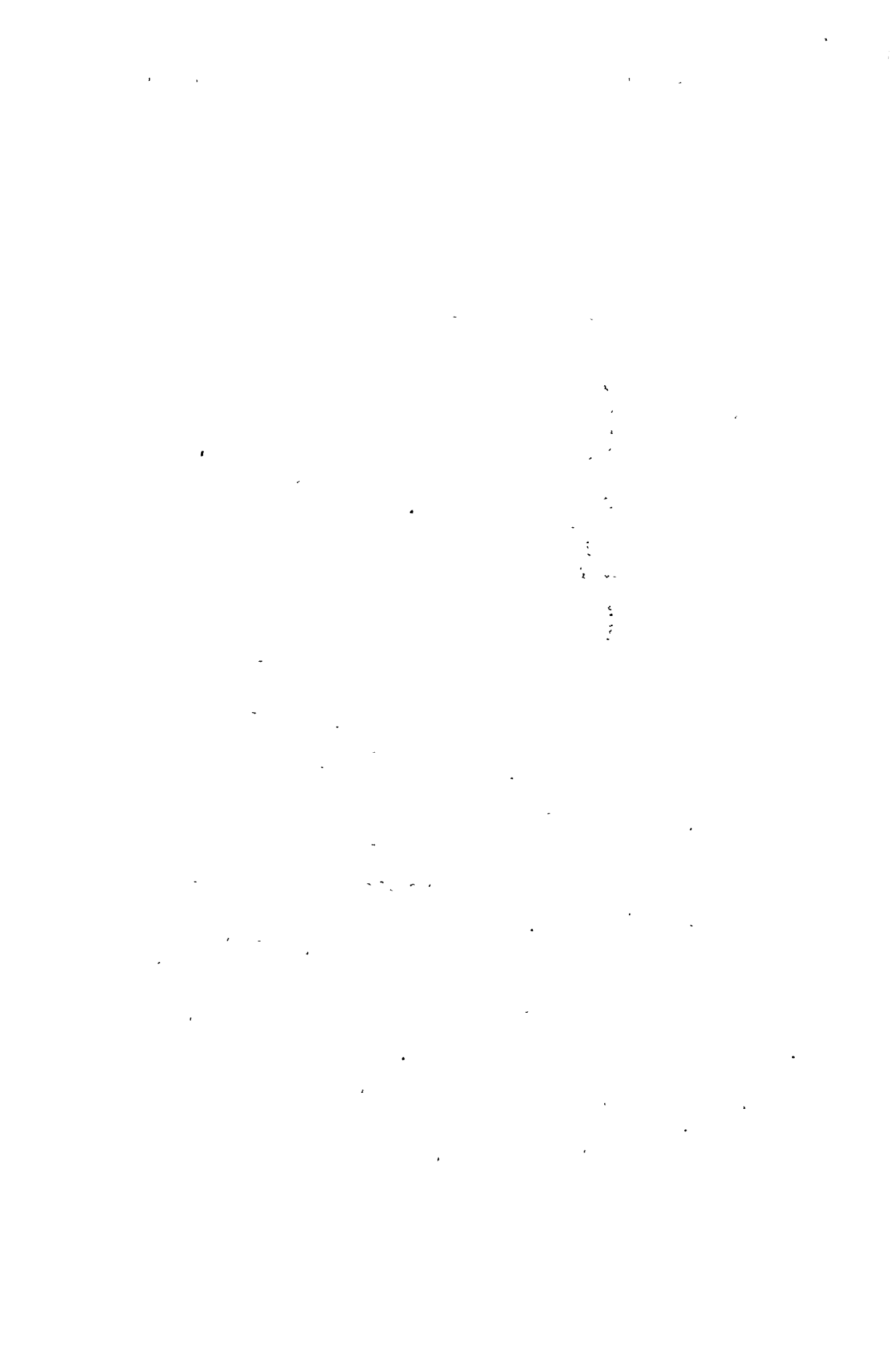
MICROSCOPIC SECTIONS OF LAVA FROM CHELTENHAM BRECCIA (DIAGRAMMATIC).



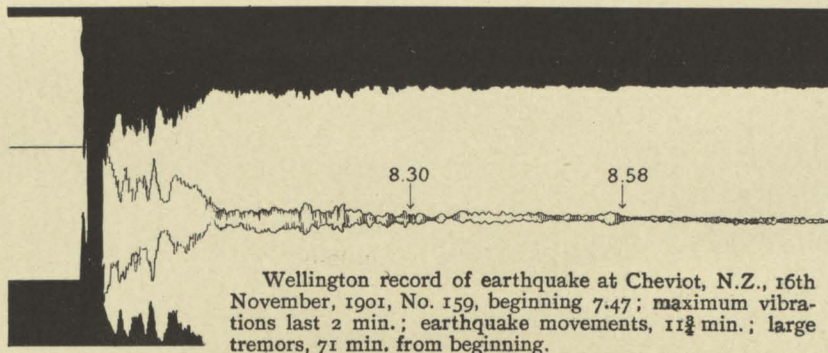
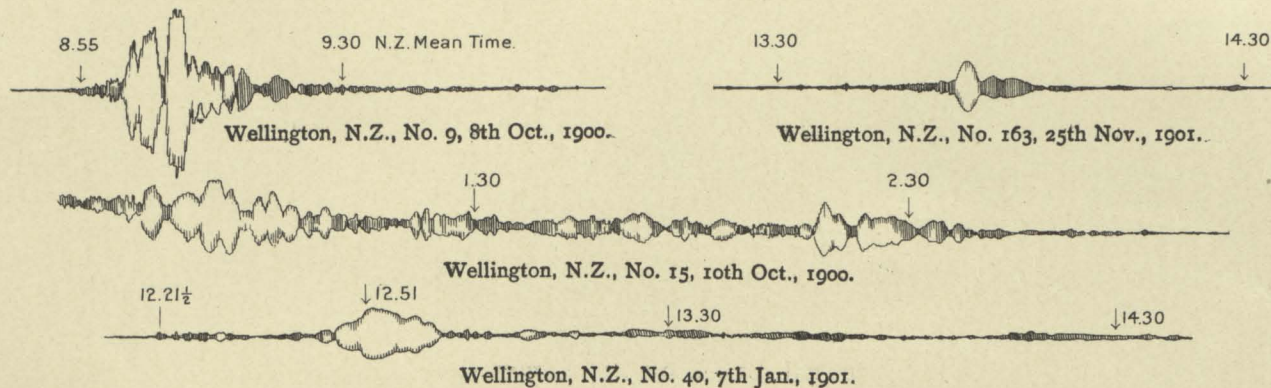


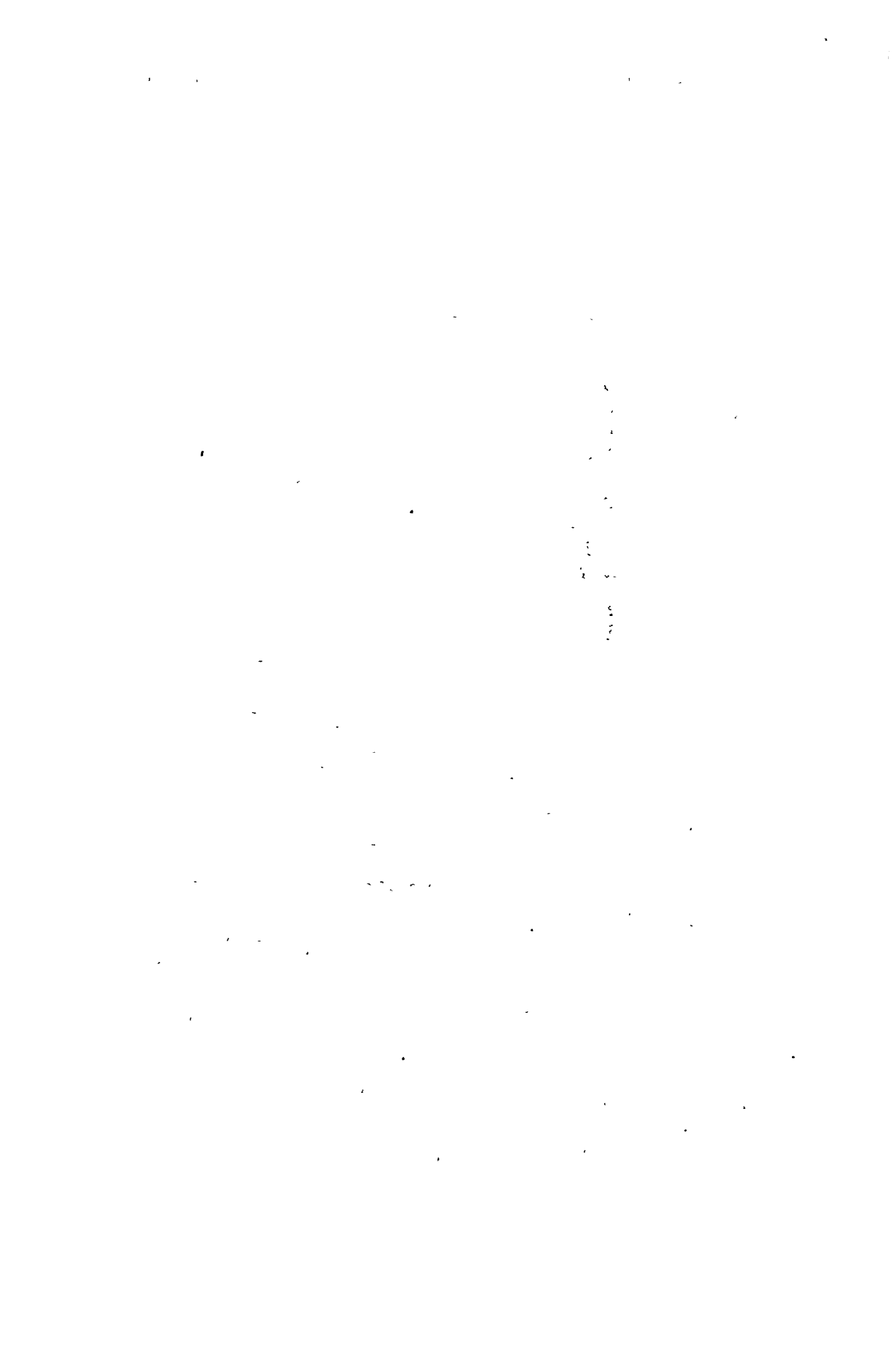
MICROSCOPIC SECTIONS OF LAVA FROM CHELTENHAM BRECCIA (DIAGRAMMATIC).

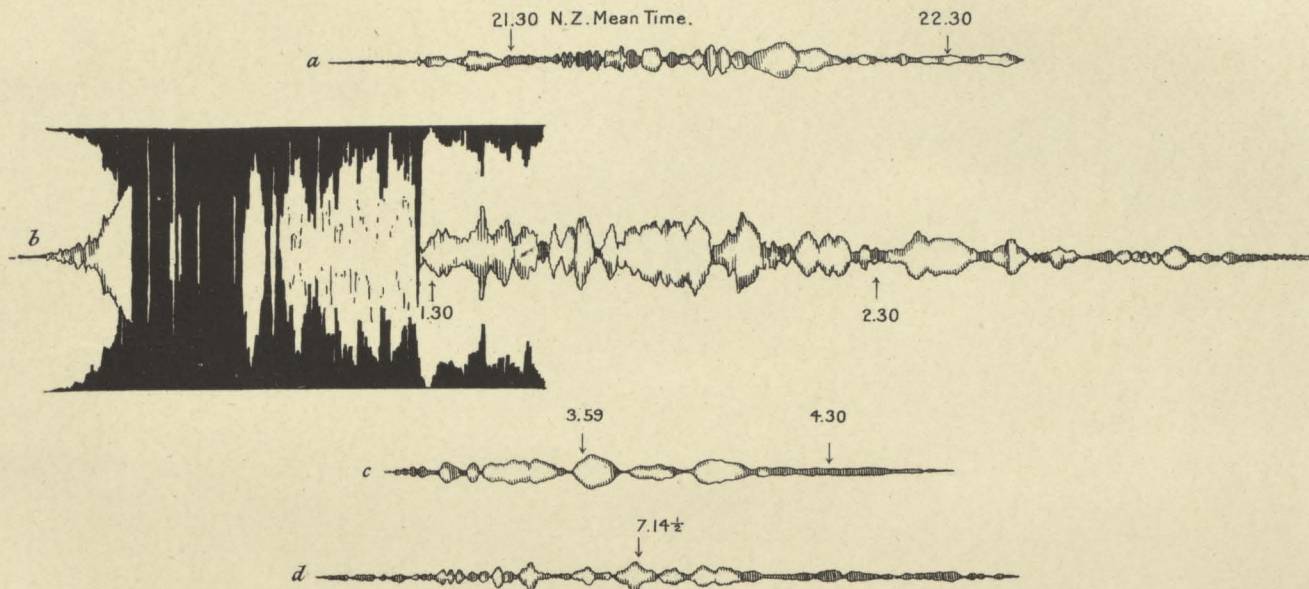












Four records, *a*, *b*, *c*, and *d*, of the Wellington instrument which seem to belong to the same series of vibrations, reaching the instrument by different paths from the origin, the later ones possibly after travelling respectively once, twice, and three times round the earth. Nos. 127 to 130 on Wellington list: *a*, 9th August, 1901; *b*, *c*, and *d*, 10th August, 1901.