

PLATE XLIV.

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TEXTULARIA.—BIGENERINA.

	Diam.	Page
Figures 1-3.— <i>Textularia trochus</i> , d'Orbigny,		366
Fig. 1. <i>a</i> , Lateral aspect; <i>b</i> , oral aspect; fig. 2, peripheral aspect,	× 35	
Fig. 3. Longitudinal section, showing the labyrinthic structure of the interior,	× 25	
„ 4, 5.— <i>Textularia turris</i> , d'Orbigny,		366
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„ 6-8.— <i>Textularia barrettii</i> , Jones and Parker,		367
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„ 9-13.— <i>Textularia aspera</i> , Brady,	× 20-25	367
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„ 14-18.— <i>Bigenerina nodosaria</i> , d'Orbigny,	× 35	369
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„ 19-24.— <i>Bigenerina digitata</i> , d'Orbigny,		370
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TEXTULARIA. (*Textularia Bigenerina*.)

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BIGENERINA.—PAVONINA.—SPIROPLECTA.

	×	Diam.	Page
Figures 1-4.— <i>Bigenerina capreolus</i> , d'Orbigny, sp.,	×	20	372
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„ 5-8.— <i>Bigenerina pennatula</i> , Batsch, sp.,	×	20	373
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„ 22, 23.— <i>Spiroplecta annectens</i> , Parker and Jones,	×	60	376
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„ 24.— <i>Spiroplecta americana</i> , Ehrenberg,	×	60	376
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TEXTULARIA (Bigenerina_Pavonina_Spiroplecta.)

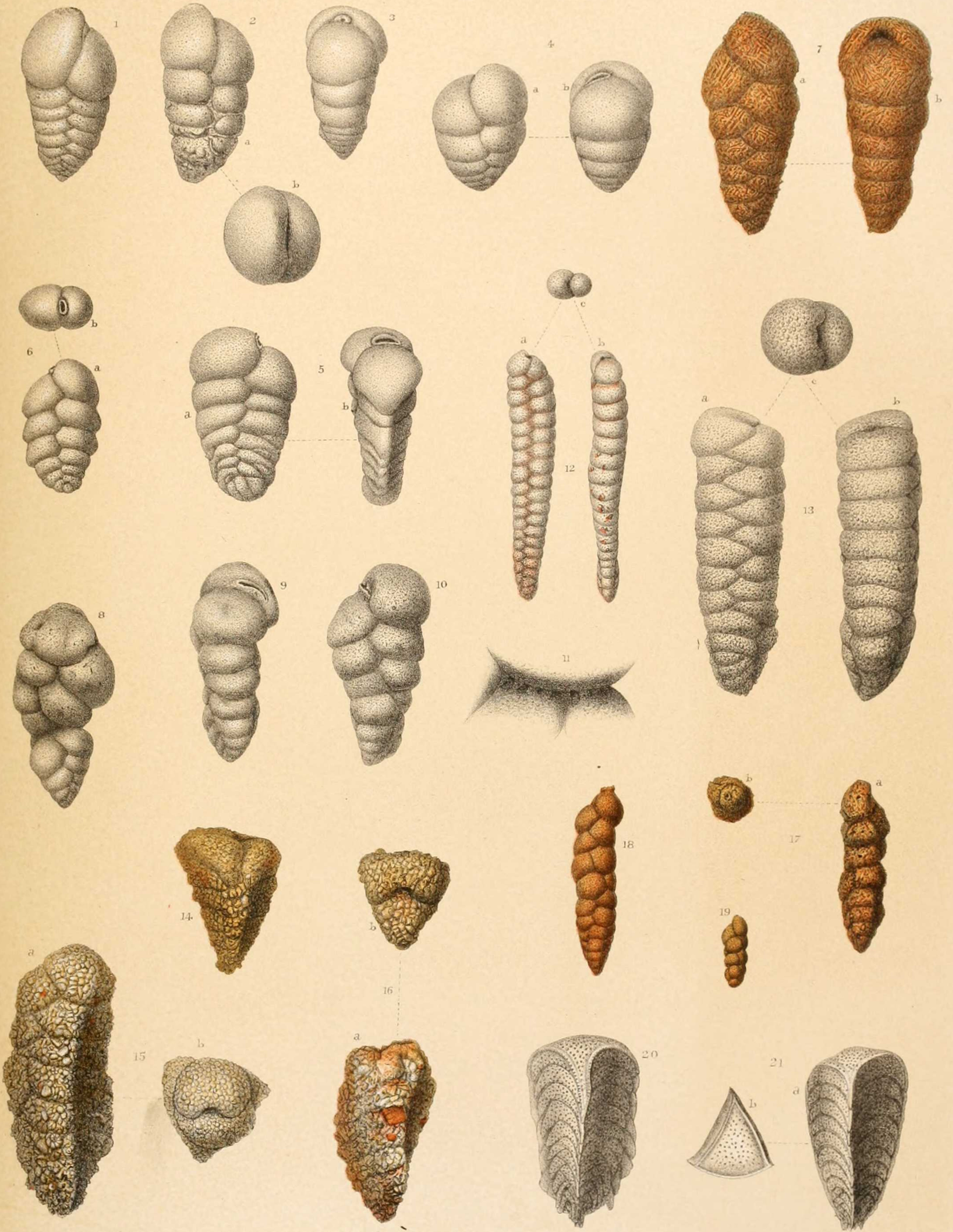
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PLATE XLVI.

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GAUDRYINA.—CHRYSALIDINA.

	Diam.	Page
Figures 1-4.— <i>Gaudryina pupoides</i> , d'Orbigny, Figs. 1, 2 <i>a</i> , 4 <i>a</i> . Lateral aspect; fig. 2 <i>b</i> , oral aspect; figs. 3, 4 <i>b</i> , peripheral aspect.	× 30	378
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„ 7.— <i>Gaudryina scabra</i> , n. sp., <i>a</i> , Lateral aspect; <i>b</i> , peripheral aspect.	× 20	381
„ 8-11.— <i>Gaudryina baccata</i> , Schwager, Figs. 8, 10. Lateral aspect; fig. 9, peripheral aspect, Fig. 11. Portion of a specimen with the sutural depressions bridged over at intervals, × 20 × 60	379
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„ 13.— <i>Gaudryina subrotundata</i> , Schwager, <i>a</i> , Lateral aspect; <i>b</i> , peripheral aspect; <i>c</i> , oral aspect.	× 20	380
„ 14-16.— <i>Gaudryina rugosa</i> , d'Orbigny, Fig. 14. Lateral aspect, Fig. 15. <i>a</i> , Lateral aspect; <i>b</i> , oral aspect, Fig. 16. <i>a</i> , Lateral aspect; <i>b</i> , oral aspect, × 35 × 20 × 25	381
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TEXTULARIA, (Gaudryina - Chrysalidina.)

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VERNEUILINA.

	Diam.	Page
Figures 1-3.— <i>Verneuilina spinulosa</i> , Reuss,	× 70	384
Figs. 1 <i>a</i> , 2, 3. Lateral aspect; 1 <i>b</i> , oral aspect.		
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„ 15-17.— <i>Verneuilina polystropha</i> , Reuss, sp.,	× 60	386
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CLAVULINA.

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„ 14-18.— <i>Clavulina parisiensis</i> , d'Orbigny,		395
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VALVULINA (Clavulina)

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	Diam.	Page
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„ 10, 11.— <i>Tritaxia indiscreta</i> , Brady,	× 25	389
Figs. 10 <i>a</i> , 11. Lateral aspect ; 10 <i>b</i> , oral aspect.		
„ 12.— <i>Tritaxia lepida</i> , Brady,	× 80	389
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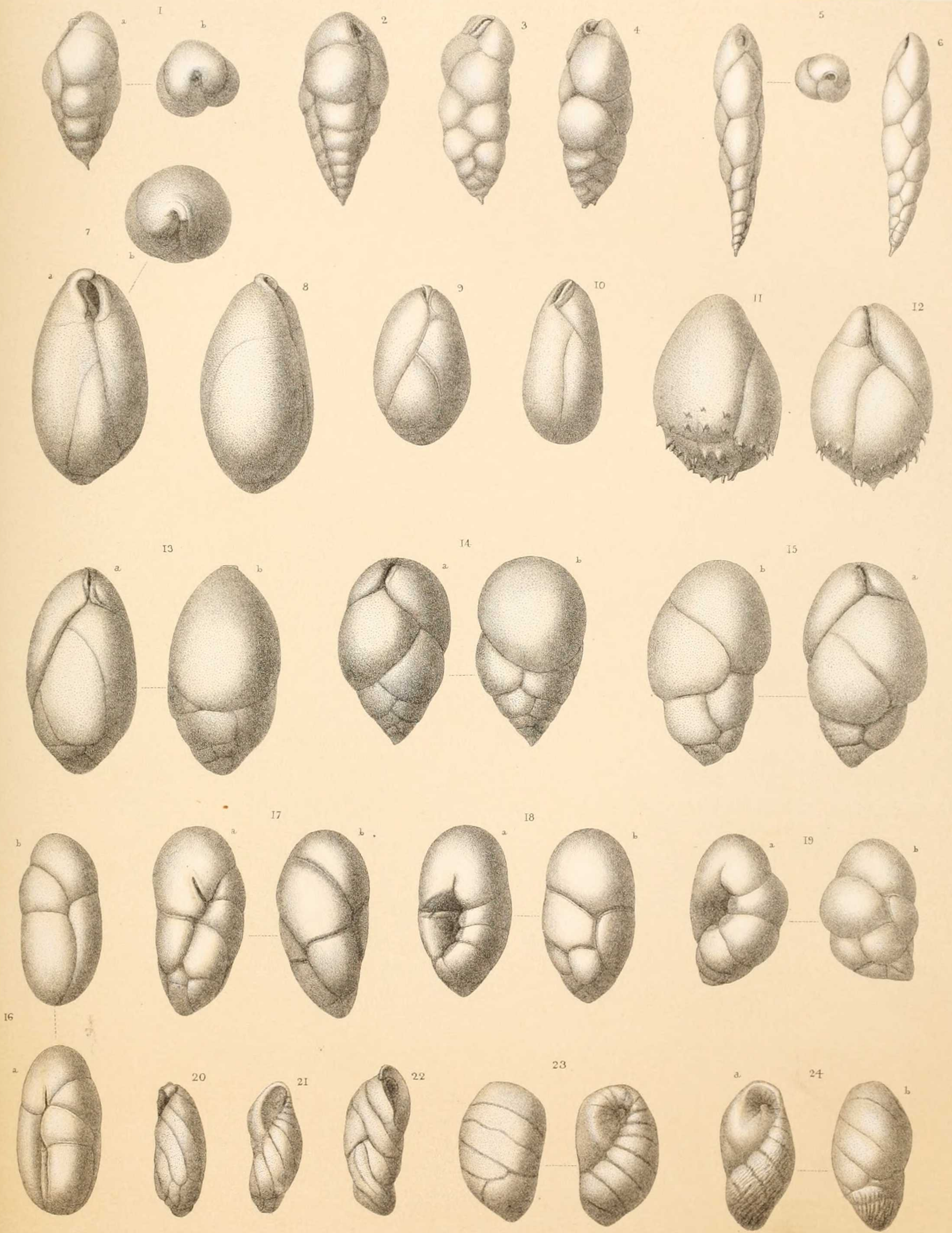
TEXTULARIA (Tritaxia) VALVULINA.

PLATE L.

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BULIMINA.

	Diam.	Page
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„ 11, 12.— <i>Bulimina pyrula</i> , var. <i>spinescens</i> , nov.,	× 60	400
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„ 14.— <i>Bulimina affinis</i> , d'Orbigny,	× 50	400
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„ 15.— <i>Bulimina pupoides</i> , d'Orbigny,	× 45	400
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„ 16.— <i>Bulimina subcylindrica</i> , Brady,	× 80	404
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„ 19.— <i>Bulimina declivis</i> , Reuss,	× 70	404
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„ 20-22.— <i>Bulimina elegantissima</i> , d'Orbigny,	× 80	402
Lateral aspects.		
„ 23, 24.— <i>Bulimina elegantissima</i> , var. <i>seminuda</i> , Terquem,	× 80	403
Lateral aspects.		



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BULIMINA.

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PLATE LI.

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BULIMINA.—PLEUROS TOMELLA.

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„ 3–5.— <i>Bulimina marginata</i> , d'Orbigny,	× 80	405
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„ 7–9.— <i>Bulimina aculeata</i> , d'Orbigny,	× 60	406
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„ 10–13.— <i>Bulimina inflata</i> , Seguenza,	× 60	406
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„ 14, 15.— <i>Bulimina rostrata</i> , n. sp.,	× 80	408
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„ 16, 17.— <i>Bulimina williamsoniana</i> , Brady,	× 80	408
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„ 18, 19.— <i>Bulimina buchiana</i> , d'Orbigny,	× 80	407
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„ 21.— <i>Pleurostomella rapa</i> , Gümbel,	× 60	411
<i>a</i> , Peripheral aspect ; <i>b</i> , lateral aspect.		
„ 22, 23.— <i>Pleurostomella alternans</i> , Schwager,		412
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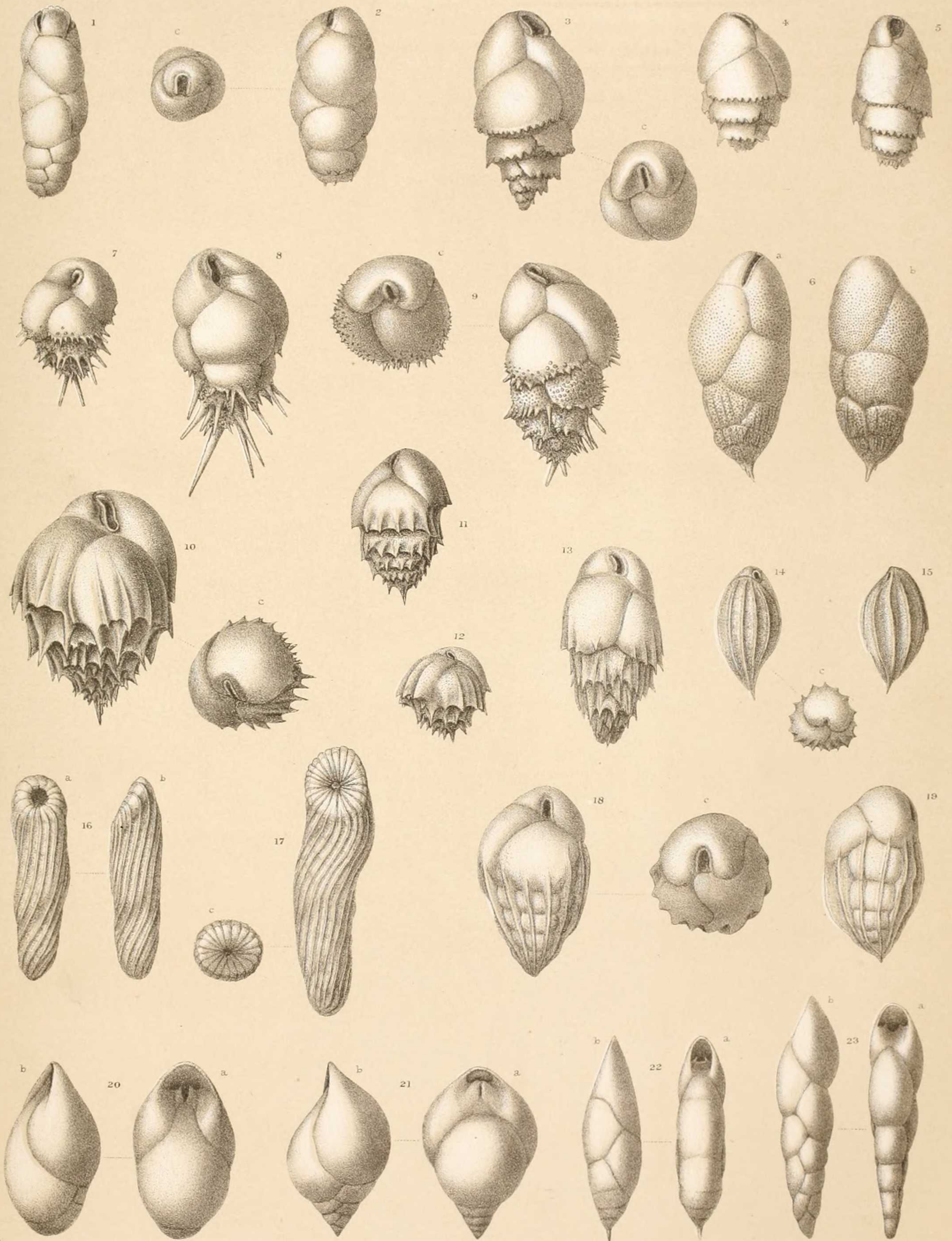
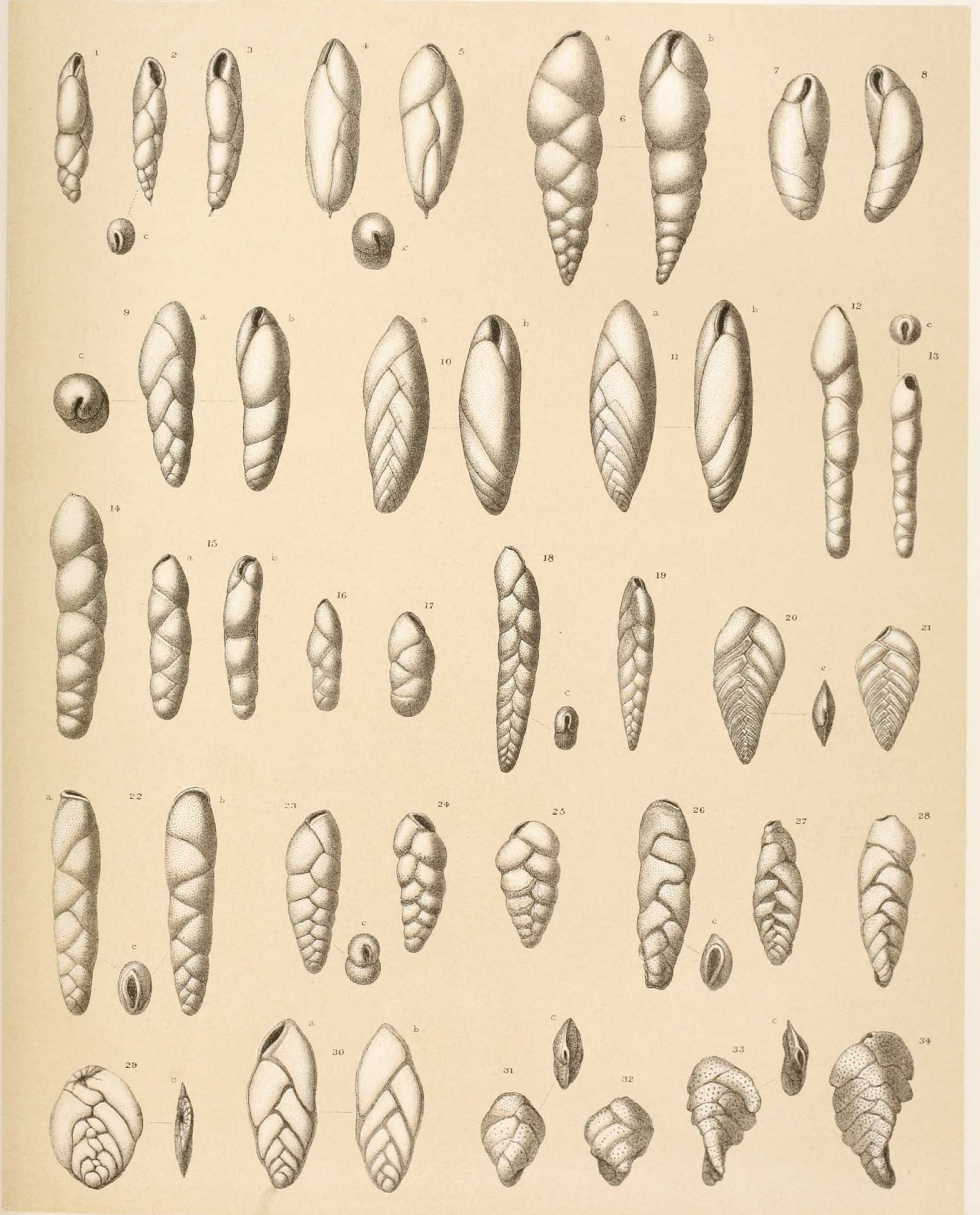


PLATE LII.

PLATE LII.

VIRGULINA.—PLEUROSATOMELLA.—BOLIVINA.

			Diam.	Page	
Figures 1-3.—	<i>Virgulina schreibersiana</i> , Czjzek,	.	×	70	414
	Figs. 1, 2, 3, Lateral aspects; <i>c</i> , oral aspect.				
„ 4, 5.—	<i>Virgulina pauciloculata</i> , n. sp.,	.	×	80	414
	<i>a, b</i> , Lateral aspects; <i>c</i> , oral aspect.				
„ 6.—	<i>Virgulina texturata</i> , n. sp.,	.	×	40	415
	<i>a</i> , Lateral aspect; <i>b</i> , peripheral aspect.				
„ 7-11.—	<i>Virgulina subsquamosa</i> , Egger,	.			415
	Figs. 7-9. Various lateral aspects; <i>c</i> , oral aspect,	.	×	50	
	Figs. 10, 11. Various lateral aspects,	.	×	70	
„ 12, 13.—	<i>Pleurostomella subnodosa</i> , Reuss,	.	×	50	412
	Figs. 12, 13. Lateral aspects; <i>c</i> , oral aspect.				
„ 14-17.—	<i>Virgulina subdepressa</i> , n. sp.,	.	×	40	416
	Various lateral aspects.				
„ 18, 19.—	<i>Bolivina punctata</i> , d'Orbigny,	.	×	60	417
	Figs. 18, 19. Lateral aspect; <i>c</i> , oral aspect.				
„ 20, 21.—	<i>Bolivina dilatata</i> , Reuss,	.	×	70	418
	Figs. 20, 21. Lateral aspect; <i>c</i> , oral aspect.				
„ 22.—	<i>Bolivina porrecta</i> , Brady,	.	×	50	418
	<i>a, b</i> , Lateral aspects; <i>c</i> , oral aspect.				
„ 23-25.—	<i>Bolivina textilarioides</i> , Reuss,	.	×	70	419
	Figs. 23, 24, 25. Lateral aspects; <i>c</i> , oral aspect.				
„ 26-28.—	<i>Bolivina limbata</i> , Brady,	.	×	50	419
	Figs. 26, 27, 28. Lateral aspects; <i>c</i> , oral aspect.				
„ 29.—	<i>Bolivina tenuis</i> , Brady,	.	×	80	419
	Fig. 29. Lateral aspect; <i>c</i> , oral aspect.				
„ 30.—	<i>Bolivina nitida</i> , n. sp.,	.	×	80	420
	Lateral aspects.				
„ 31-34.—	<i>Bolivina tortuosa</i> , Brady,	.	×	70	420
	Figs. 31, 32, 33, 34. Lateral aspects; <i>c, c</i> , oral aspect.				



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BULIMINA, (Virgulina Bolivina).

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PLATE LIII.

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BOLIVINA.

Figure		Diam.	Page
1.—	<i>Bolivina beyrichi</i> , Reuss, Lateral aspect.	× 50	422
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„ 5, 6.—	<i>Bolivina pygmæa</i> , Brady, Figs. 5, 6. Lateral aspect ; <i>b</i> , oral aspect.	× 60	421
„ 7–9.—	<i>Bolivina robusta</i> , Brady, Figs. 7, 8, 9. Lateral aspects ; <i>b</i> , oral aspect.	× 60	421
„ 10, 11.—	<i>Bolivina ænariensis</i> , Costa, sp., Figs. 10, 11. Lateral aspect ; <i>b</i> , oral aspect.	× 50	423
„ 12, 13.—	<i>Bolivina decussata</i> , Brady, Figs. 12, 13. Lateral aspect ; <i>b</i> , oral aspect.	× 60	423
„ 14, 15.—	<i>Bolivina nobilis</i> , Hantken, Figs. 14, 15. Lateral aspect ; <i>b</i> , oral aspect.	× 60	424
„ 16–18.—	<i>Bolivina hantkeniana</i> , Brady, Figs. 16, 17. Lateral aspect ; <i>b</i> , oral aspect, × 40 Fig. 18. Lateral aspect, × 60		424
„ 19–21.—	<i>Bolivina karreriana</i> , Brady, Figs. 19, 20, 21. Lateral aspects ; <i>b</i> , oral aspect.	× 60	424
„ 22, 23.—	<i>Bolivina lobata</i> , Brady, Figs. 22, 23. Lateral aspect ; <i>b</i> , oral aspect.	× 80	425
„ 24, 25.—	<i>Bolivina schwageriana</i> , Brady, Figs. 24, 25. Lateral aspect ; <i>b</i> , oral aspect.	× 50	425
„ 26, 27.—	<i>Bolivina costata</i> , d'Orbigny, Figs. 26, 27. Lateral aspect ; <i>b</i> , oral aspect.	× 60	426
„ 28, 29.—	<i>Bolivina amygdalæformis</i> , Brady, Figs. 28, 29. Lateral aspect ; <i>b</i> , oral aspect.	× 50	426
„ 30, 31.—	<i>Bolivina reticulata</i> , Hantken, Figs. 30, 31. Lateral aspect ; <i>b</i> , oral aspect.	× 70	426
„ 32, 33.—	<i>Bolivina subangularis</i> , Brady, Figs. 32, 33. Lateral aspect ; <i>b</i> , oral aspect.	× 60	427

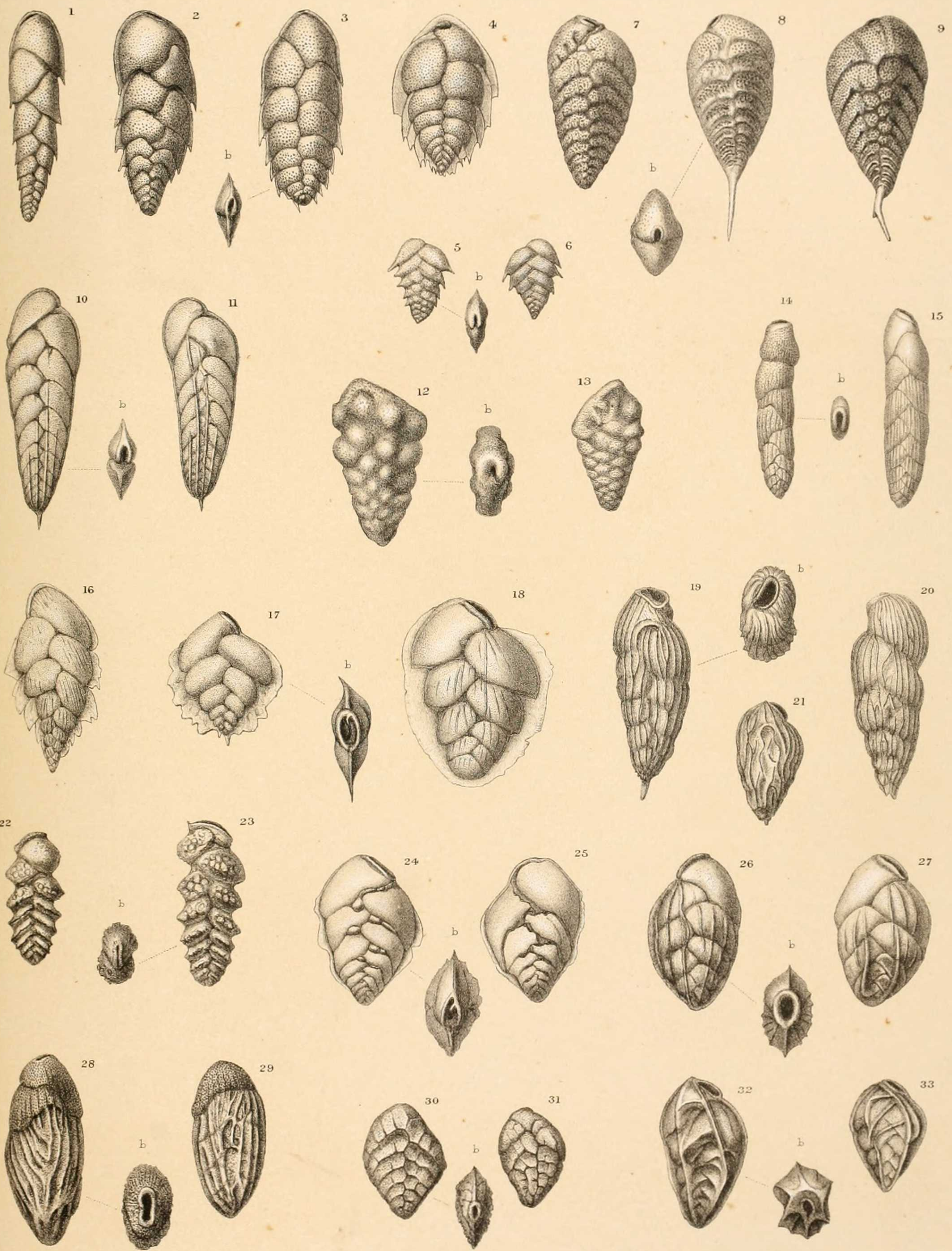


PLATE LIV.

PLATE LIV.

CASSIDULINA.—BULIMINA.

	Diam.	Page
Figures 1–3.— <i>Cassidulina lævigata</i> , d'Orbigny,	× 75	428
Fig. 1. <i>a</i> , Superior lateral aspect ; <i>b</i> , inferior aspect ; <i>c</i> , peripheral aspect.		
Fig. 2. Specimen with carinate margin.		
Fig. 3. Specimen with serrate keel.		
„ 4, 5.— <i>Cassidulina crassa</i> , d'Orbigny,		429
Fig. 4. <i>a</i> , Superior lateral aspect ; <i>b</i> , inferior aspect ; <i>c</i> , peripheral aspect,	× 60	
Fig. 5. <i>a</i> , Superior lateral aspect ; <i>b</i> , inferior aspect ; <i>c</i> , peripheral aspect,	× 75	
„ 6–10.— <i>Cassidulina bradyi</i> , Norman,	× 75	431
Fig. 10. <i>a</i> , Superior lateral aspect ; figs. 6, 7, 10 <i>b</i> , inferior aspect ; fig. 8, peripheral aspect ; fig. 9, oral aspect.		
„ 11–16.— <i>Cassidulina parkeriana</i> , Brady,	× 75	432
Figs. 11–14. Lateral aspects ; figs. 15, 16, oral aspects.		
„ 17.— <i>Cassidulina subglobosa</i> , Brady,	× 60	430
<i>a</i> , Lateral aspect ; <i>b, c</i> , ventral and dorsal peripheral aspects.		
„ 18.— <i>Bulimina contraria</i> , Reuss, sp.,	× 60	409
<i>a</i> , Superior lateral aspect ; <i>b</i> , inferior aspect ; <i>c</i> , peri- pheral aspect.		

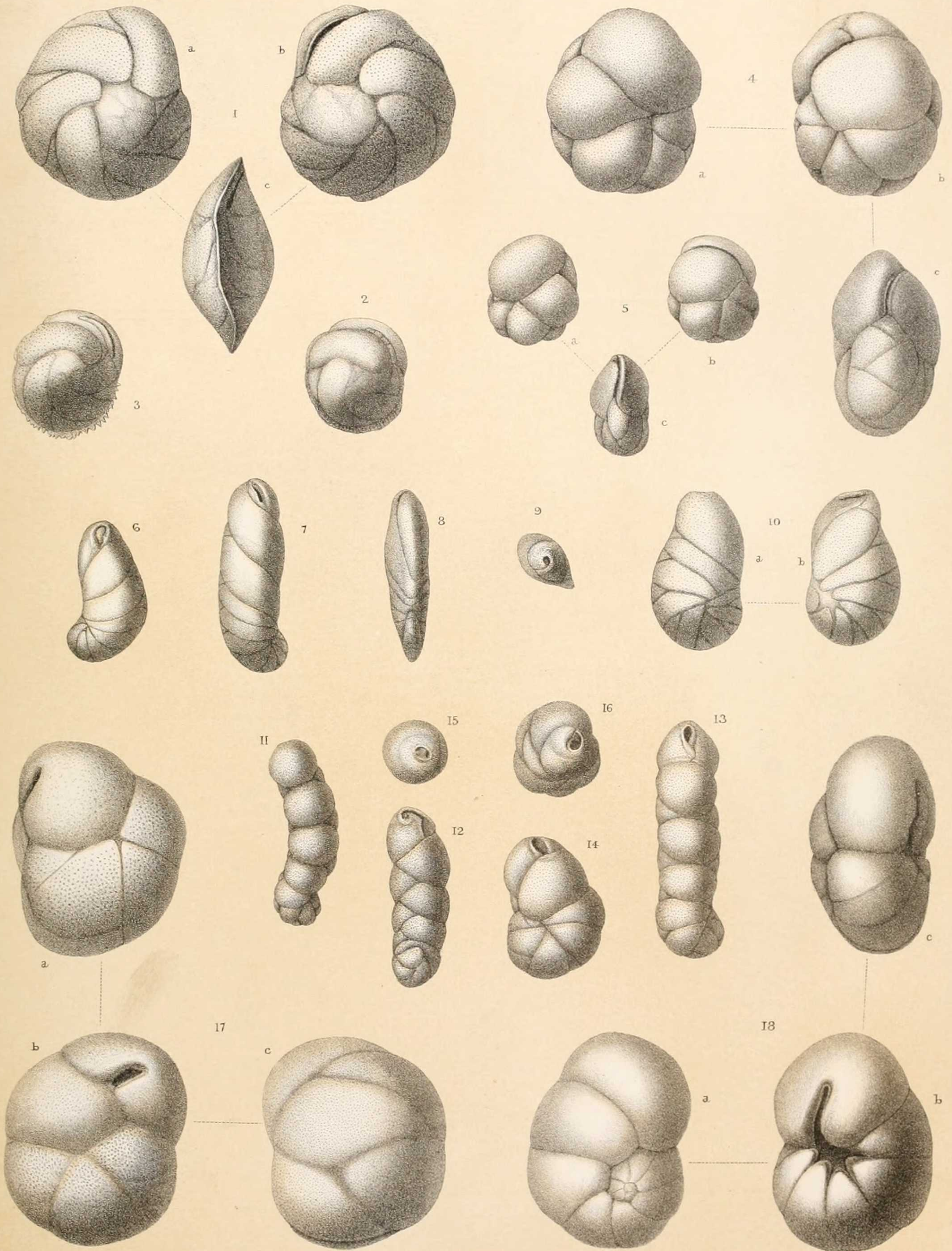
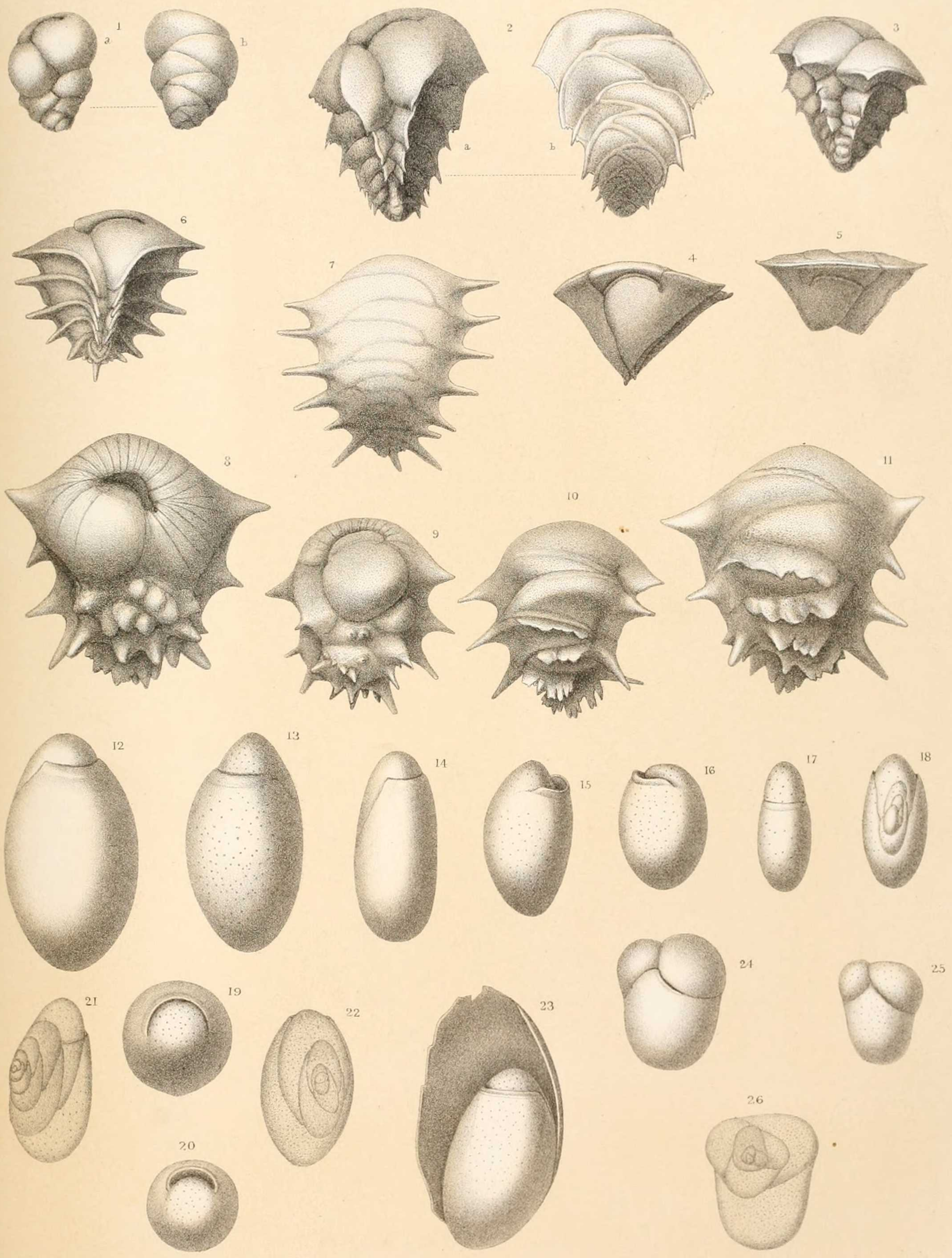


PLATE LV.

PLATE LV.

EHRENBERGINA.—CHILOSTOMELLA.—ALLOMORPHINA.

	Diam.	Page
Figure 1.— <i>Ehrenbergina pupa</i> , d'Orbigny, sp.,	× 75	433
<i>a</i> , Ventral lateral aspect; <i>b</i> , dorsal aspect.		
„ 2-7.— <i>Ehrenbergina serrata</i> , Reuss,		434
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„ 8-11.— <i>Ehrenbergina hystrix</i> , Brady,	× 60	434
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„ 12-23.— <i>Chilostomella ovoidea</i> , Reuss,		436
Figs. 12-18. Lateral aspects; figs. 19, 20, oral aspects,	× 50	
Figs. 21, 22. Small specimens mounted in Canada balsam and viewed by transmitted light, showing the arrange- ment of the chambers,	× 70	
Fig. 23. Specimen with part of the wall of the final segment removed,	× 50	
„ 24-26.— <i>Allomorphina trigonula</i> , Reuss,		438
Figs. 24, 25. Lateral aspects,	× 60	
Fig. 26. Specimen mounted in Canada balsam and viewed by transmitted light, showing the arrangement of the chambers,	× 100	



A. Hollick, ad nat. del. et lith.

EHREBERGIA - CHILOSTOMELLA - ALLOMORPHINA.

Hanhart imp.

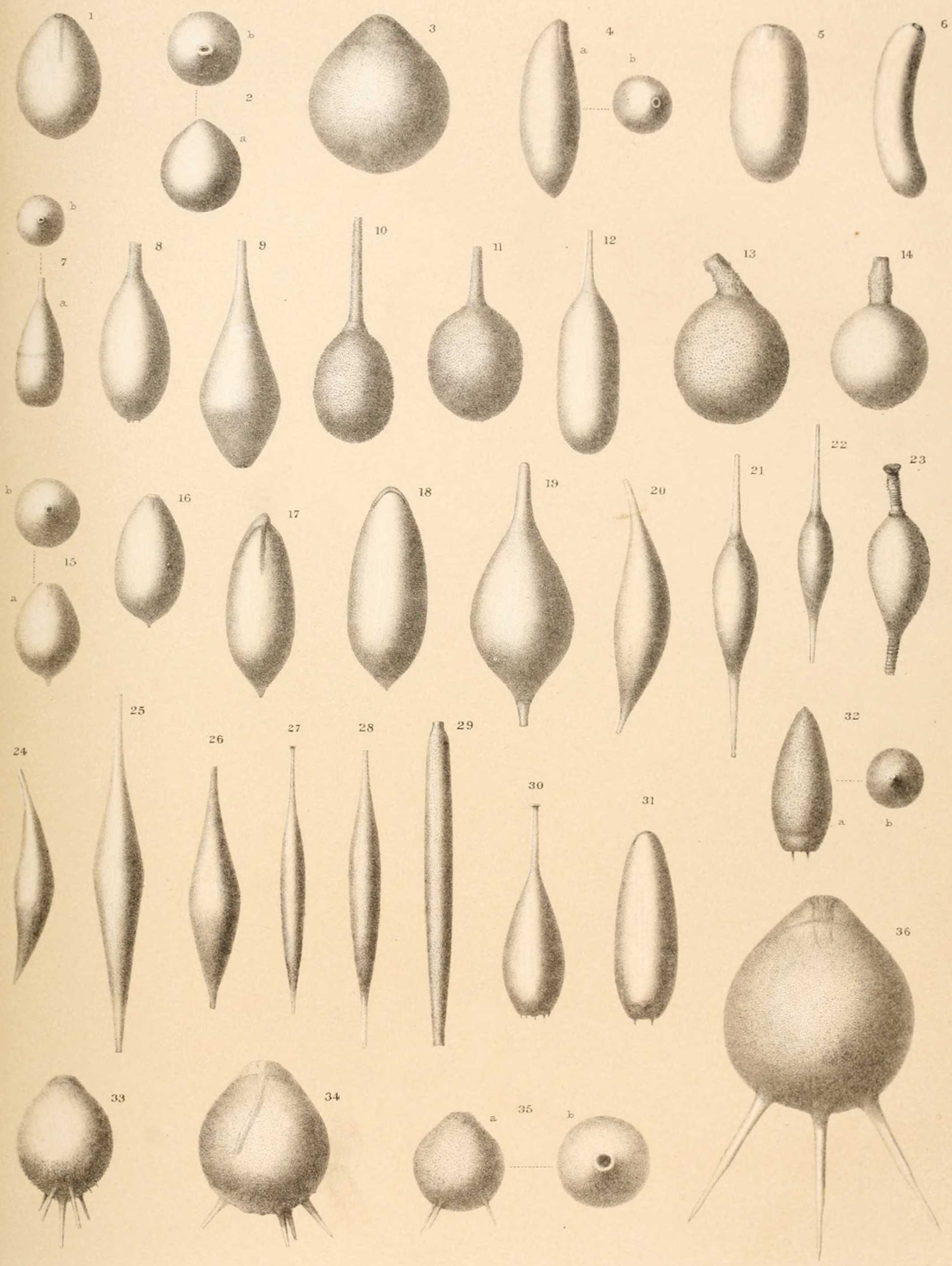
PLATE LVI.

PLATE LVI.

LAGENA.

(*a*, Lateral aspect ; *b*, oral aspect.)

	Diam.	Page
Figures 1-3.— <i>Lagena globosa</i> , Montagu, sp.,	× 60-75	452
„ 4.— <i>Lagena apiculata</i> , Reuss, sp.,	× 75	453
„ 5.— <i>Lagena ovum</i> , Ehrenberg, sp.,	× 75	454
„ 6.— <i>Lagena botelliformis</i> , Brady,	× 75	454
„ 7-14.— <i>Lagena levis</i> , Montagu, sp.,	× 75	455
„ 15-18.— <i>Lagena apiculata</i> , Reuss, sp.,	× 75	453
„ 19-28.— <i>Lagena gracillima</i> , Seguenza, sp.,	× 60	456
„ 29.— <i>Lagena elongata</i> , Ehrenberg, sp.,	× 60	457
„ 30.— <i>Lagena levis</i> , Montagu, sp. (var.),	× 75	455
„ 31, 32.— <i>Lagena truncata</i> , n. sp.,	× 75	457
„ 33-36.— <i>Lagena longispina</i> , Brady, globular form. . . . .	. . . . .	454
Figs. 33-35. × 75;—fig. 36,	× 50	



A.T. Hollick ad nat. del. et lith.

LAGENA.

Hanhart imp.

PLATE LVII.

PLATE LVII.

LAGENA.

(*a*, Lateral aspect; *b*, oral aspect.)

	Diam.	Page
Figures 1-4.— <i>Lagena hispida</i> , Reuss,	× 60	459
„ 5.— <i>Lagena ampulla-distoma</i> , Rymer Jones,	× 60	458
„ 6 (?) 7-12.— <i>Lagena aspera</i> , Reuss,		457
Figs. 6, 7. × 75; figs. 8, 9,	× 60	
Figs. 10, 11,	× 45	
Fig. 12. Compressed ecto-ento-solenian specimen,	× 60	
„ 13.— <i>Lagena lineata</i> , Williamson, sp.,	× 60	461
„ 14, 16, 17, (and 18 ?).— <i>Lagena semistriata</i> , Williamson,	× 75	465
„ 15, 21.— <i>Lagena crenata</i> , Parker and Jones,	× 75	467
„ 20.—Intermediate form, resembling <i>Lagena crenata</i> and <i>Lagena semistriata</i> ,	× 75	465
„ 19, 22, 24, 28, 29, 30.— <i>Lagena striata</i> , d'Orbigny, sp.,	× 60	460
„ 23, 26, 33, 34.— <i>Lagena sulcata</i> , Walker and Jacob,	× 60	462
„ 25, 27.— <i>Lagena sulcata</i> , var. <i>interrupta</i> , Williamson,	× 60	463
„ 31, 32.— <i>Lagena acuticosta</i> , Reuss,	× 60-75	464
„ 35, 36.— <i>Lagena stelligera</i> , Brady,	× 75	466

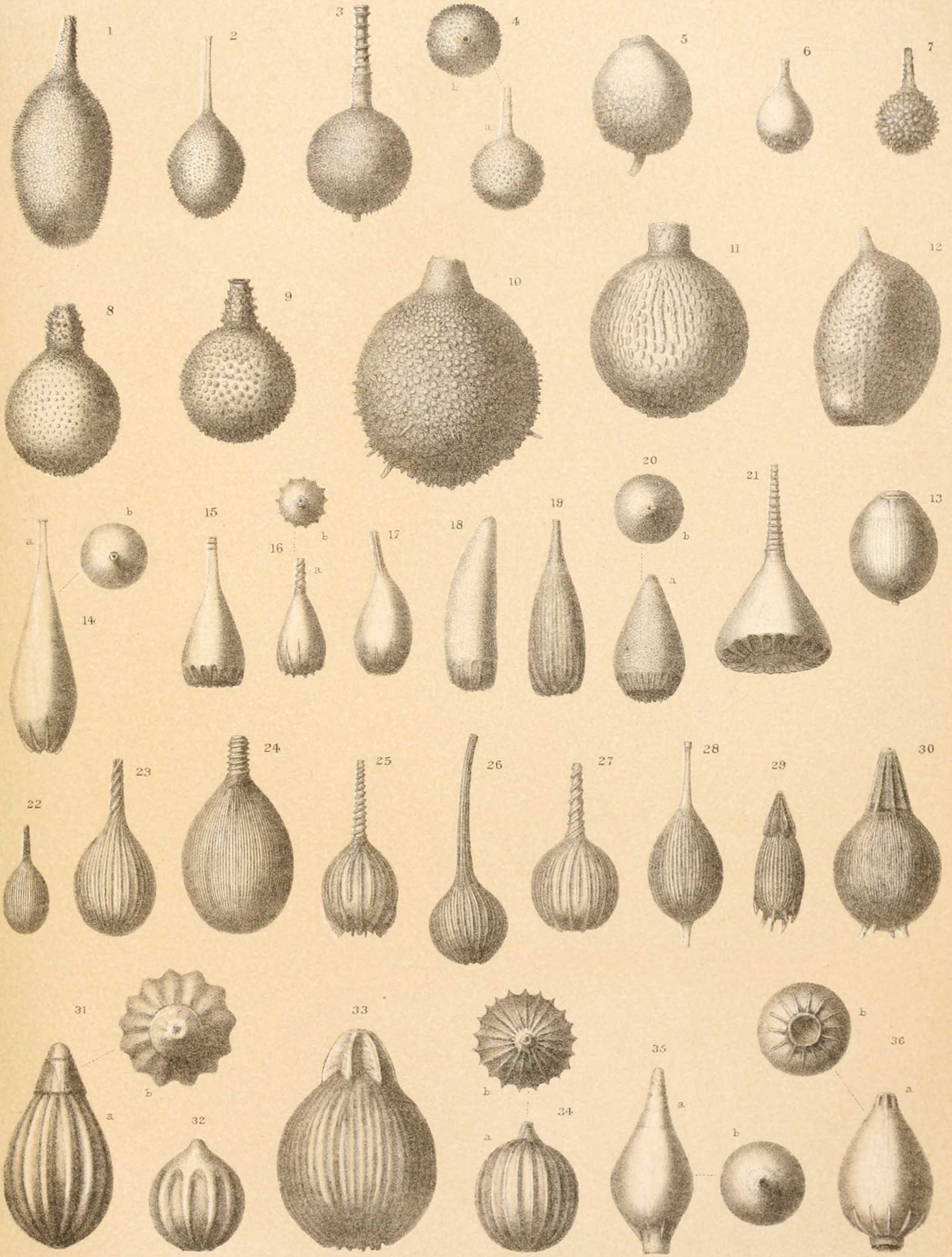


PLATE LVIII.

PLATE LVIII.

LAGENA.

(*a*, Lateral aspect ; *b*, oral aspect.)

	Diam.	Page
Figure 1.— <i>Lagena exsculpta</i> , Brady,	× 75	467
„ 2, 3, 7–10.— <i>Lagena gracilis</i> , Williamson,	× 75	464
„ 4, 17 (?), 18.—Apiculate forms of <i>Lagena sulcata</i> , Walker and Jacob,	× 75	462
„ 5, 6.—Apiculate form of <i>Lagena sulcata</i> , var. <i>interrupta</i> , Williamson,	× 75	463
„ 11–15.— <i>Lagena distoma</i> , Parker and Jones,	× 45–60	461
„ 16.— <i>Lagena distoma-margaritifera</i> , Parker and Jones,	× 40	458
„ 19, 22–24.— <i>Lagena gracilis</i> , Williamson,	× 75	464
„ 20 (?), 21.— <i>Lagena acuticosta</i> , Reuss,	× 75	464
„ 25, 26 (?), 27.— <i>Lagena plumigera</i> , Brady,	× 75	465
„ 28–31.— <i>Lagena squamosa</i> , Montagu, sp.,	× 75	471
„ 32, 33.— <i>Lagena hexagona</i> , Williamson, sp.,	× 75	472
„ 34.— <i>Lagena seminuda</i> , n. sp.,	× 60	472
„ 35.— <i>Lagena favoso-punctata</i> , Brady,	× 75	473
„ 36.— <i>Lagena hertwigiana</i> , Brady,	× 75	470
„ 37, 40.— <i>Lagena striatopunctata</i> , Parker and Jones,	× 75	468
„ 38, 39.— <i>Lagena feildeniana</i> , Brady,	× 75	469
„ 41.— <i>Lagena torquata</i> , Brady,	× 75	469
„ 42, 43.— <i>Lagena desmophora</i> , Rymer Jones,	× 75	468



A. T. Hollick ad nat. del. et lith.

LAGENA.

Hanhart imp.

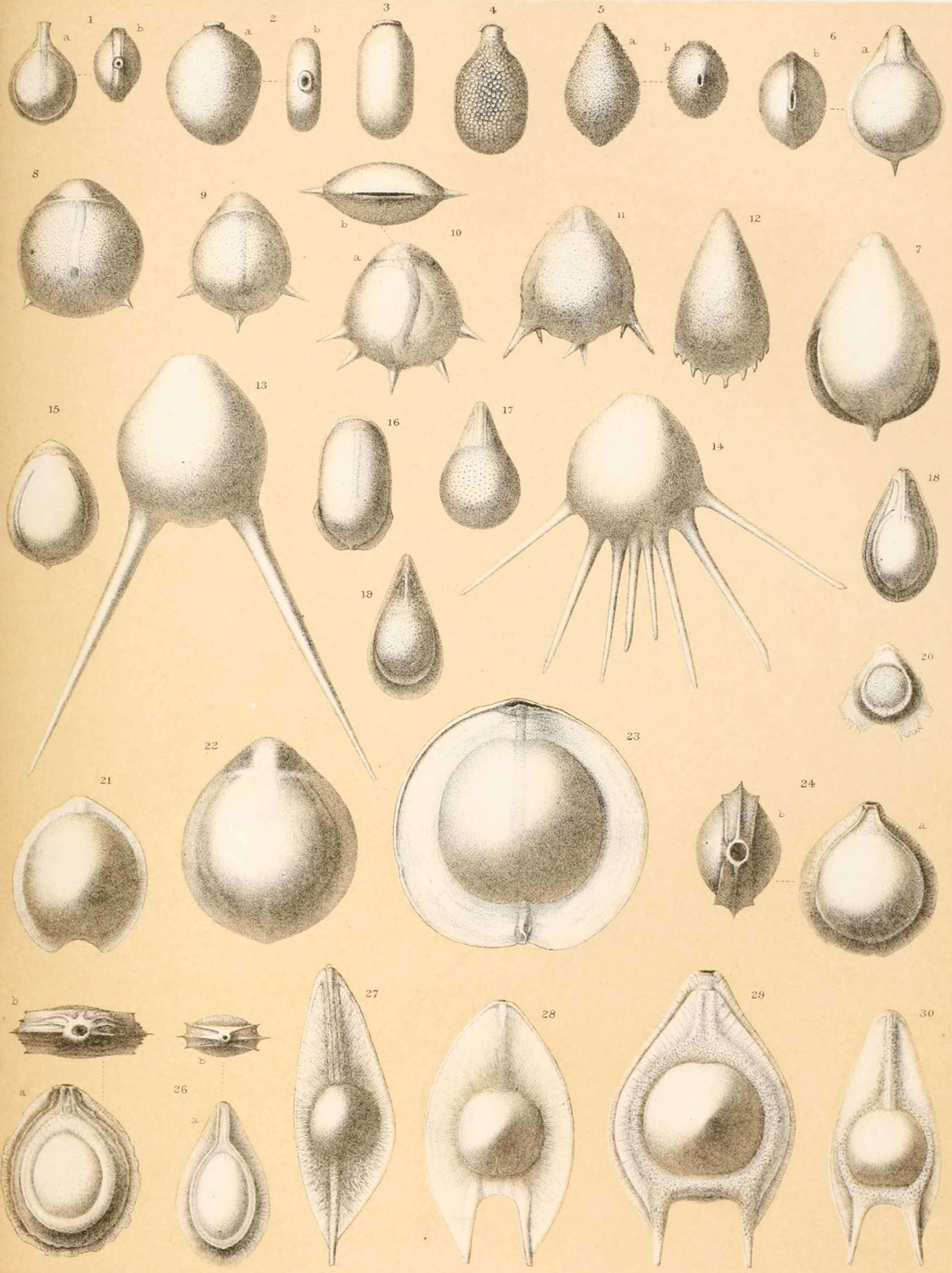
PLATE LIX.

PLATE LIX.

LAGENA.

(*a*, Lateral aspect ; *b*, oral aspect.)

Figure		Diam.	Page
1.	— <i>Lagena orbignyana</i> , Seguenza, sp.,	× 75	484
„ 2, 5.	— <i>Lagena hispida</i> , Reuss, compressed variety, Much worn specimens.	× 75	459
„ 3.	— <i>Lagena quadrata</i> , Williamson, sp.,	× 75	475
„ 4.	— <i>Lagena favoso-punctata</i> , Brady ; compressed form	× 75	473
„ 6.	— <i>Lagena acuta</i> , Reuss, sp. (not typical),	× 60	474
„ 7.	— <i>Lagena quadricostulata</i> , Reuss (?),	× 60	486
„ 8–11.	— <i>Lagena staphyllearea</i> , Schwager, sp. Fig. 8. × 45 diameters ; figs. 9–11,	× 75	474
„ 12.	— <i>Lagena unguiculata</i> , Brady,	× 60	474
„ 13, 14.	— <i>Lagena longispina</i> , Brady ; compressed variety, Fig. 13. The spines of this specimen are hollow.	× 30	454
„ 15.	— <i>Lagena quadricostulata</i> , Reuss,	× 75	486
„ 16.	— <i>Lagena quadrata</i> , Williamson sp., Partially carinate specimen.	× 75	475
„ 17, 19.	— <i>Lagena marginata</i> , var. <i>semimarginata</i> , Reuss,	× 60–75	477
„ 18, 20.	— <i>Lagena orbignyana</i> , Seguenza, sp., varieties,	× 75–90	484
„ 21–23.	— <i>Lagena marginata</i> , Walker and Boys. Fig. 21. × 45 ; fig. 22, × 40 ; fig. 23,	× 25	476
„ 24–26.	— <i>Lagena orbignyana</i> , Seguenza, sp. Fig. 24. × 45 ; fig. 25, × 30 ; fig. 26,	× 60	484
„ 27.	— <i>Lagena siliqua</i> , Rymer Jones,	× 45	478
„ 28–30.	— <i>Lagena seminiformis</i> , Schwager,	× 45–60	478



A. Hollick ad nat. del. et hth.

LACENA.

Hanhart imp.

PLATE LX.

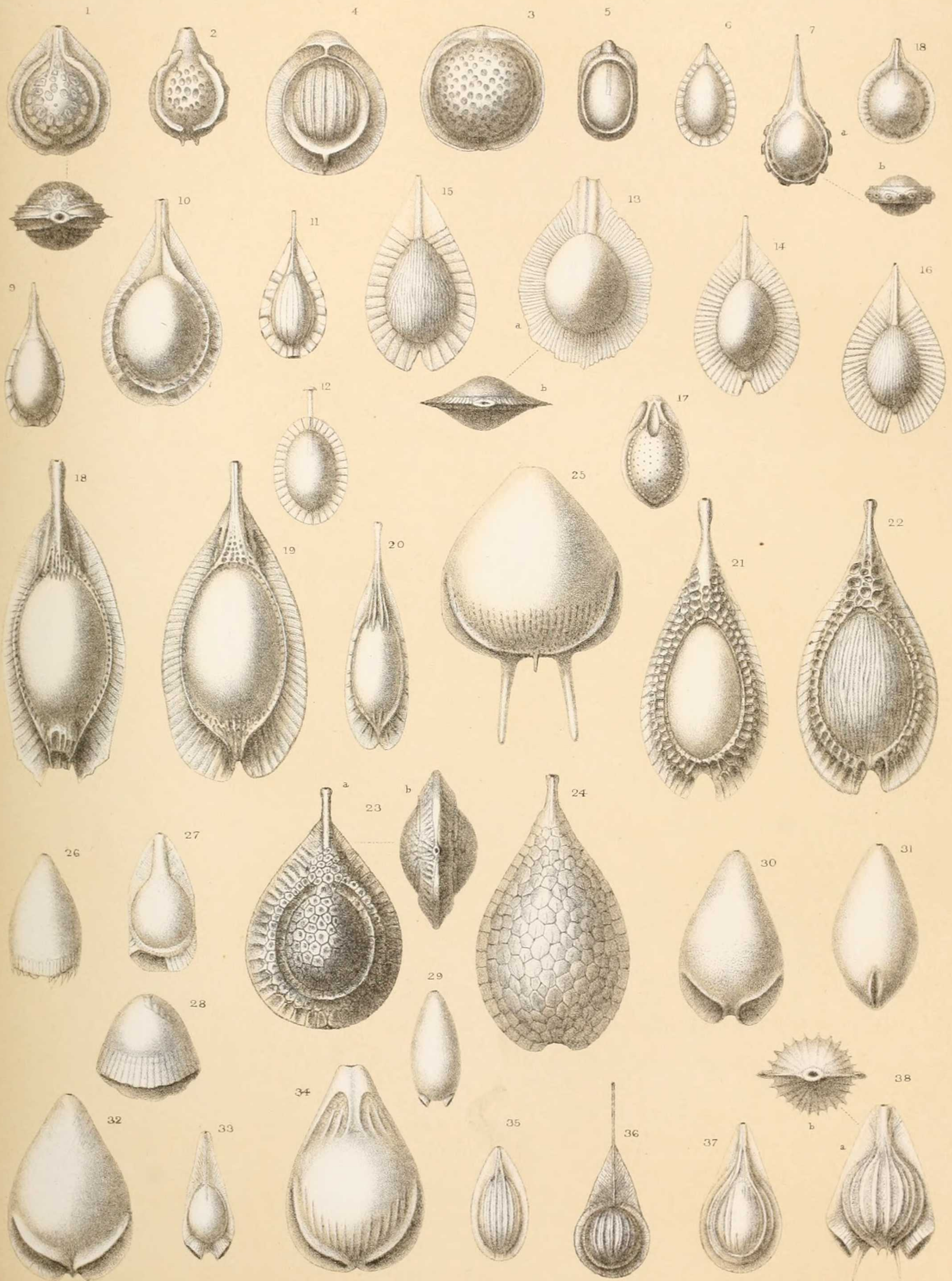
(ZOOLOGICAL CHALLENGER.—PART XXII.—1884.)—Y.

PLATE LX.

LAGENA.

(*a*, Lateral aspect; *b*, oral aspect.)

		Diam.	Page
Figures 1, 2, 3 (?).	<i>Lagena castrensis</i> , Schwager,	× 75	485
„ 4.	<i>Lagena clathrata</i> , n. sp.,	× 75	485
„ 5.	<i>Lagena quadrata</i> , Williamson, sp. (variety),	× 75	475
„ 6, 7, 9, 12–14.	<i>Lagena lagenoides</i> , Williamson, sp.,	× 60–75	479
„ 11, 15, 16.	<i>Lagena lagenoides</i> , var. <i>tenuistriata</i> , nov.,	× 60–75	479
„ 8 (?), 10, 17 (?), 18–20.	<i>Lagena formosa</i> , Schwager.		480
	Fig. 8. × 75; figs. 10, 20, × 60; fig. 17, × 90; figs. 18, 19,	× 50	
„ 21.	<i>Lagena formosa</i> , var. <i>favosa</i> , Brady,	× 60	480
„ 22.	<i>Lagena formosa</i> , var. <i>comata</i> , Brady,	× 75	480
„ 23.	<i>Lagena squamoso-alata</i> , Brady,	× 60	481
„ 24.	<i>Lagena squamoso-marginata</i> , Parker and Jones,	× 60	481
„ 25.	<i>Lagena alveolata</i> , var. <i>caudigera</i> , Brady,	× 40	488
„ 26–28.	<i>Lagena fimbriata</i> , Brady,	× 60	486
„ 29, 31 (?), 33.	<i>Lagena auriculata</i> , Brady,	× 60	487
„ 30, 32.	<i>Lagena alveolata</i> , n. sp.,	× 60	487
„ 34.	<i>Lagena alveolata</i> , var. <i>substriata</i> , Brady,	× 60	488
„ 35–37.	Winged varieties of <i>Lagena sulcata</i> , Walker and Jacob,	× 75	462
„ 38.	<i>Lagena auriculata</i> , var. <i>costata</i> , Brady,	× 60	487



A. Thollick ad nat. del et lith.

Hartart imp.

LAGENA.

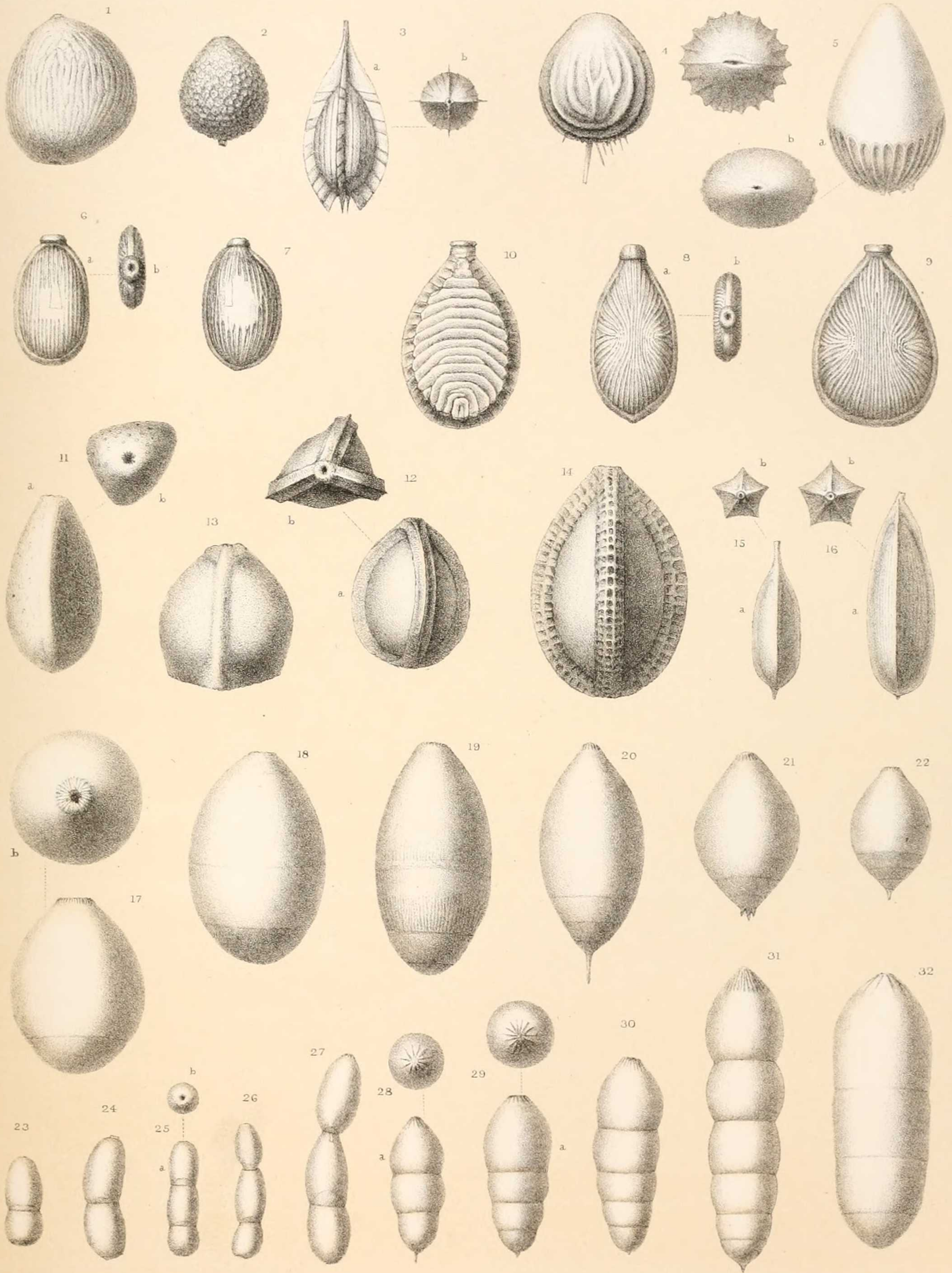
PLATE LXI.

PLATE LXI.

LAGENA.—NODOSARIA.

(*a*, Lateral aspect ; *b*, oral aspect.)

Figure		Diam.	Page
1.	— <i>Lagena variata</i> , Brady,	× 75	461
„	2.— <i>Lagena favoso-punctata</i> , Brady,	× 100	473
„	3.— <i>Lagena quadralata</i> , Brady,	× 100	464
„	4.— <i>Lagena multicosta</i> , Karrer, sp.,	× 75	466
„	5.— <i>Lagena exsculpta</i> , Brady ; compressed form,	× 75	467
„	6, 7.— <i>Lagena wrightiana</i> , Brady,	× 90	482
„	8, 9.— <i>Lagena radiato-marginata</i> , Parker and Jones,	× 90	481
„	10.— <i>Lagena schulzeana</i> , Brady,	× 90	482
„	11.— <i>Lagena trigono-oblonga</i> , Seguenza and Siddall,	× 75	475
„	12, 13.— <i>Lagena trigono-marginata</i> , Parker and Jones,	× 100	482
„	14.— <i>Lagena trigono-ornata</i> , Brady,	× 60	483
„	15, 16.— <i>Lagena quinquelatera</i> , Brady,	× 100	484
„	17–19.— <i>Nodosaria (Glandulina), rotundata</i> , Reuss,	× 30	491
„	20–22.— <i>Nodosaria (Glandulina), lævigata</i> , d'Orbigny,	× 30	490
„	23–27.— <i>Nodosaria calomorpha</i> , Reuss,	× 50	497
„	28–31.— <i>Nodosaria radricula</i> , Linné, sp.,	× 30	495
„	32.— <i>Nodosaria (Glandulina), æqualis</i> , Reuss, sp.,	× 30	492



LAGENA_NODOSARIA.

PLATE LXII.

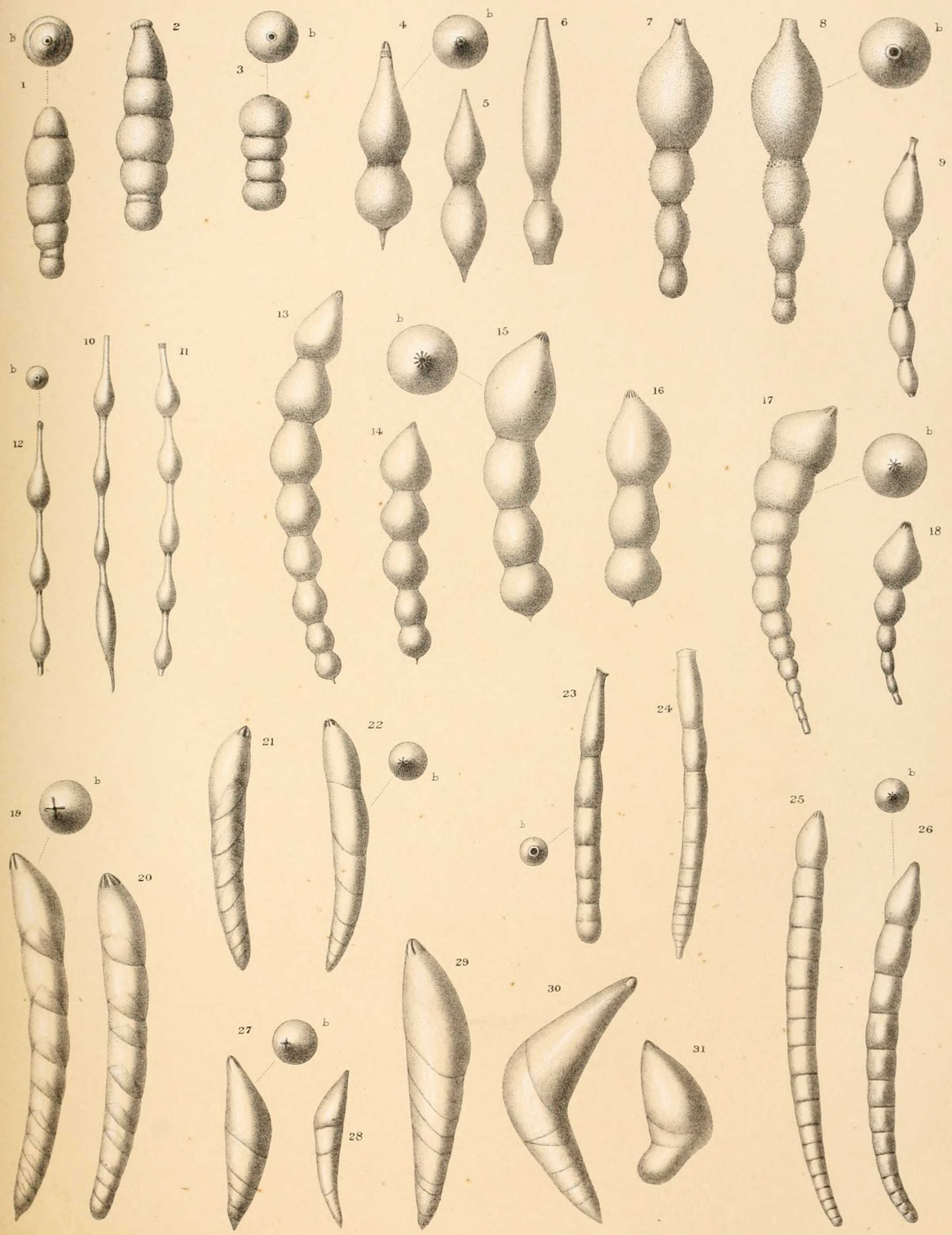
(ZOOLOGICAL CHALLENGER. — PART XXII. — 1884.) — Y.

PLATE LXII.

NODOSARIA.

(b, Oral aspect.)

	Diam.	Page
Figures 1, 2.— <i>Nodosaria radricula</i> , var. <i>annulata</i> , Terquem and Berthelin,	× 50	496
„ 3.— <i>Nodosaria radricula</i> , var. <i>ambigua</i> , Neugeboren,	× 50	496
„ 4, 5 (and 6 ?).— <i>Nodosaria simplex</i> , Silvestri,	× 35–50	496
„ 7, 8.— <i>Nodosaria subtertenuata</i> , Schwager,	× 50	507
„ 9.— <i>Nodosaria inflexa</i> , Reuss,	× 30	498
„ 10–12.— <i>Nodosaria pyrula</i> , d'Orbigny,	× 30–40	497
„ 13–16.— <i>Nodosaria soluta</i> , Reuss,	× 12	503
„ 17, 18.— <i>Nodosaria farcimen</i> , Soldani, sp. (not typical; see woodcuts, p. 499).	× 15	498
„ 19–22.— <i>Nodosaria communis</i> , d'Orbigny,	× 35–50	504
„ 23, 24.— <i>Nodosaria consobrina</i> , d'Orbigny, sp.,	× 50	501
„ 25, 26.— <i>Nodosaria consobrina</i> , var. <i>emaciata</i> , Reuss,	× 15	502
„ 27–29.— <i>Nodosaria mucronata</i> , Neugeboren, sp.,	× 50	506
„ 30, 31.—Monstrous specimens of the same,	× 40	



A. Hollick ad nat. del. et lith.

NODOSARIA.

Hanbart imp.

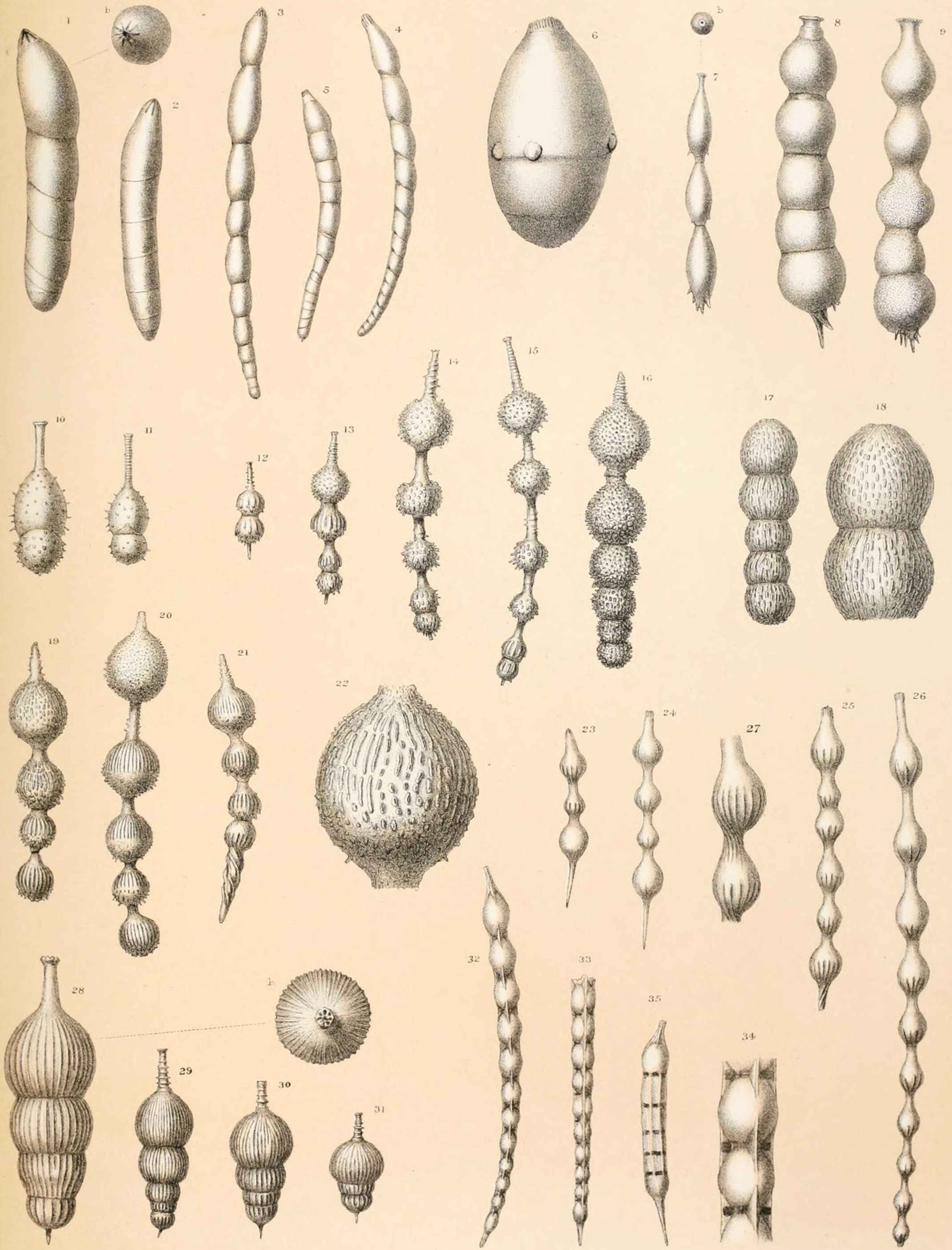
PLATE LXIII.

PLATE LXIII.

NODOSARIA.

(b, Oral aspect.)

			Diam.	Page
Figure	1.— <i>Nodosaria roemeri</i> , Neugeboren, sp.,	. . .	× 20	505
„	2.— <i>Nodosaria plebeia</i> , Reuss, . . .	. . .	× 20	502
„	3-5.— <i>Nodosaria filiformis</i> , d'Orbigny, sp.,	. . .	.	500
	Figs. 3. × 10 ; figs. 4, 5,	. . .	× 20	
„	6.— <i>Nodosaria (Glandulina) armata</i> , Reuss,	. . .	× 50	494
„	7.— <i>Nodosaria retrorsa</i> , Reuss, sp.,	. . .	× 50	507
„	8, 9.— <i>Nodosaria (?) abyssorum</i> , Brady,	. . .	× 20	504
„	10, 11.—Young or arrested specimens of <i>Nodosaria hispida</i> , d'Orbigny, or <i>Nodosaria setosa</i> , Schwager. (<i>Nodosaria papillosa</i> , Silvestri ?)	. . .	× 75	508
„	12-16.— <i>Nodosaria hispida</i> , d'Orbigny,	. . .	.	507
	Fig. 12. × 45 ; figs. 13, 14, × 30 ; figs. 15, 16,		× 25	
„	17.— <i>Nodosaria verruculosa</i> , Neugeboren,	. . .	× 50	509
„	18.—A portion of the shell more highly magnified,	. . .	× 100	
„	19-21.— <i>Nodosaria hispida</i> , var. <i>sublineata</i> , nov.,	. . .	× 35	508
„	22.—A portion of the shell more highly magnified,	. . .	× 100	
„	23-26.— <i>Nodosaria costulata</i> , Reuss,	. . .	× 15	515
„	27.—A portion of the shell more highly magnified,	. . .	× 30	
„	28-31.— <i>Nodosaria scalaris</i> , Batsch, sp.,	. . .	× 45-50	510
„	32-33.— <i>Nodosaria catenulata</i> , n. sp.,	. . .	× 40	515
„	34.—A portion of the shell more highly magnified,	. . .	× 100	
„	35.— <i>Nodosaria vertebralis</i> , Batsch, sp.,	. . .	× 40	514



A. T. Hollick ad nat. del. et lith.

NODOSARIA.

Hanhart imp.

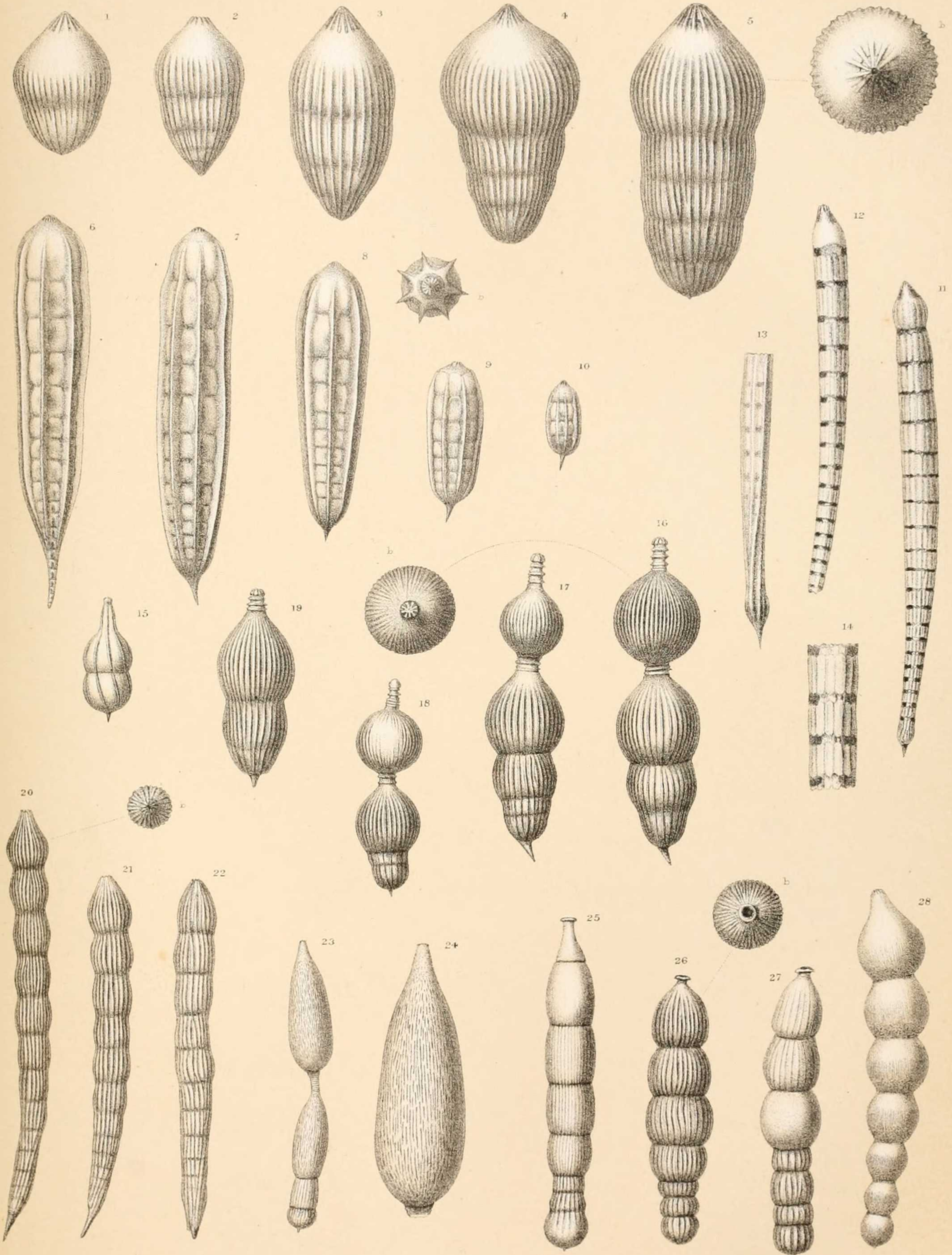
PLATE LXIV.

PLATE LXIV.

NODOSARIA.

(b, Oral aspect.)

	×	Diam.		Page
Figures 1-5.— <i>Nodosaria comata</i> , Batsch, sp.,	×	50		509
Specimens in various stages of growth.				
„ 6-10.— <i>Nodosaria raphanus</i> , Linné, sp.,	×	15		512
„ 11-13.— <i>Nodosaria vertebralis</i> , Batsch, sp.,	×	15-18		514
„ 14.—A portion of a specimen more highly magnified,	×	30		
„ 15.— <i>Nodosaria proxima</i> , Silvestri,	×	60		511
„ 16-19.— <i>Nodosaria scalaris</i> , var. <i>separans</i> , nov.,	×	40		511
„ 20-22.— <i>Nodosaria obliqua</i> , Linné, sp.,	×	16		513
„ 23.— <i>Nodosaria subcanaliculata</i> , Neugeboren (var.),	×	40		512
„ 24.—A portion of the same more highly magnified,	×	80		
„ 25-27.— <i>Nodosaria perversa</i> , Schwager,	×	50-60		512
„ 28.— <i>Nodosaria soluta</i> , Reuss,—faintly striate speci- men,	×	15		503



A. T. Hollick ad nat. del. et lith.

NODOSARIA.

Hanhart imp.

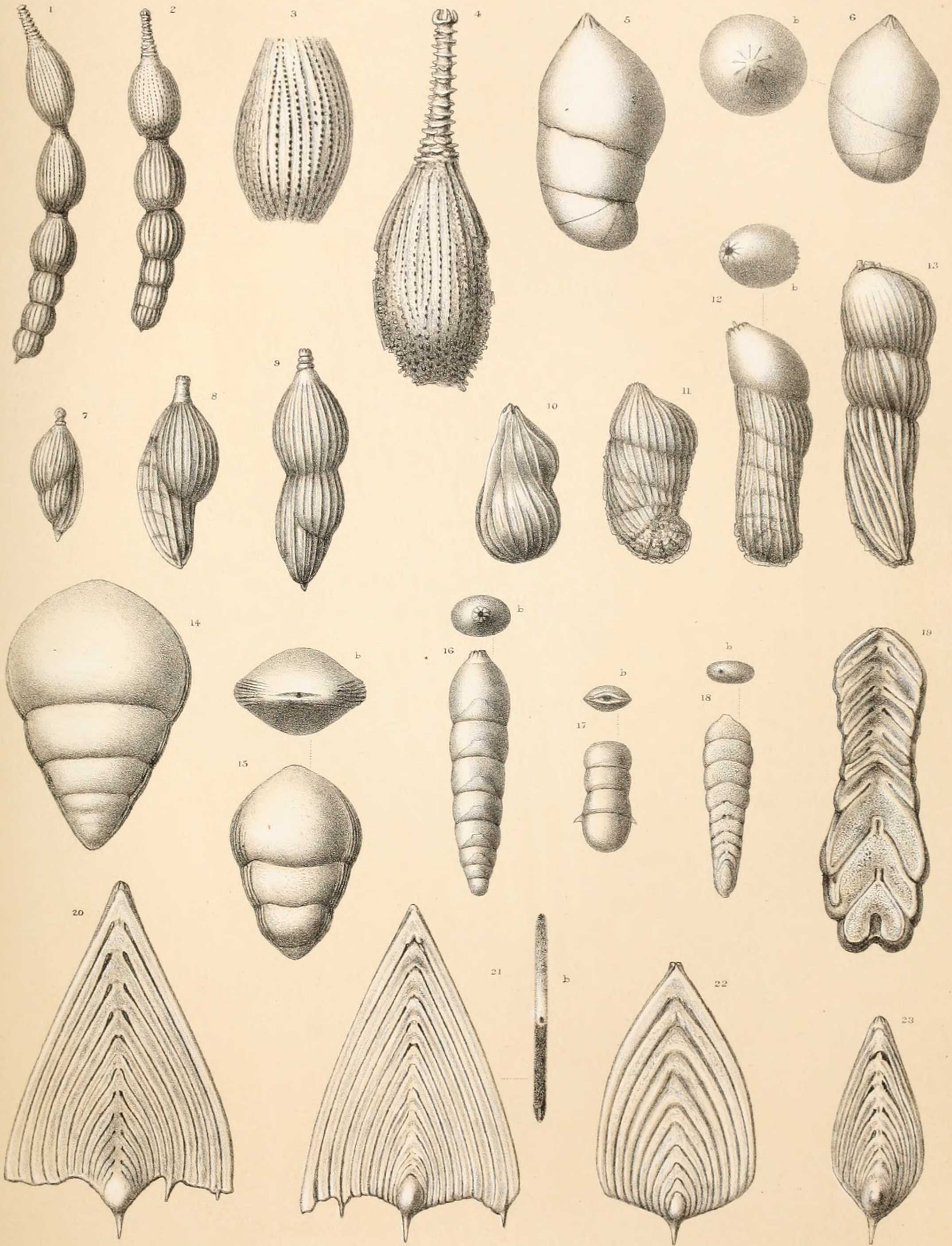
PLATE LXV.

PLATE LXV.

NODOSARIA.—MARGINULINA.—LINGULINA.—FRONDICULARIA.

(b, Oral aspect.)

	Diam.	Page
Figures 1, 2.— <i>Nodosaria intercellularis</i> , Brady,	× 40	515
„ 3, 4.—Portions of the shell more highly magnified,	× 100	
„ 5, 6.— <i>Marginulina glabra</i> , d'Orbigny,	× 30	527
„ 7-9.— <i>Amphicoryne falx</i> , Jones and Parker, sp.,	× 50-60	556
„ 10-13.— <i>Marginulina costata</i> , Batsch, sp.,		528
Fig. 10. × 40 ; fig. 11, × 30 ; figs. 12, 13,	× 20	
„ 14, 15.— <i>Lingulina carinata</i> , var. <i>seminuda</i> , Hantken,	× 12	518
„ 16, 17.— <i>Lingulina carinata</i> , d'Orbigny,	× 90	517
„ 18.— <i>Fron dicularia spathulata</i> , Brady,	× 60	519
„ 19.— <i>Fron dicularia compta</i> , Brady,	× 60	520
„ 20-23.— <i>Fron dicularia alata</i> , d'Orbigny,		522
Specimens in different stages of growth.		
Figs. 20-22. × 15;—fig. 23, young shell,	× 20	



A. Thollock ad nat. del. et lith.

NODOSARIA_MARGINULINA_LINGULINA_FRONDICULARIA.

Hanhart imp.

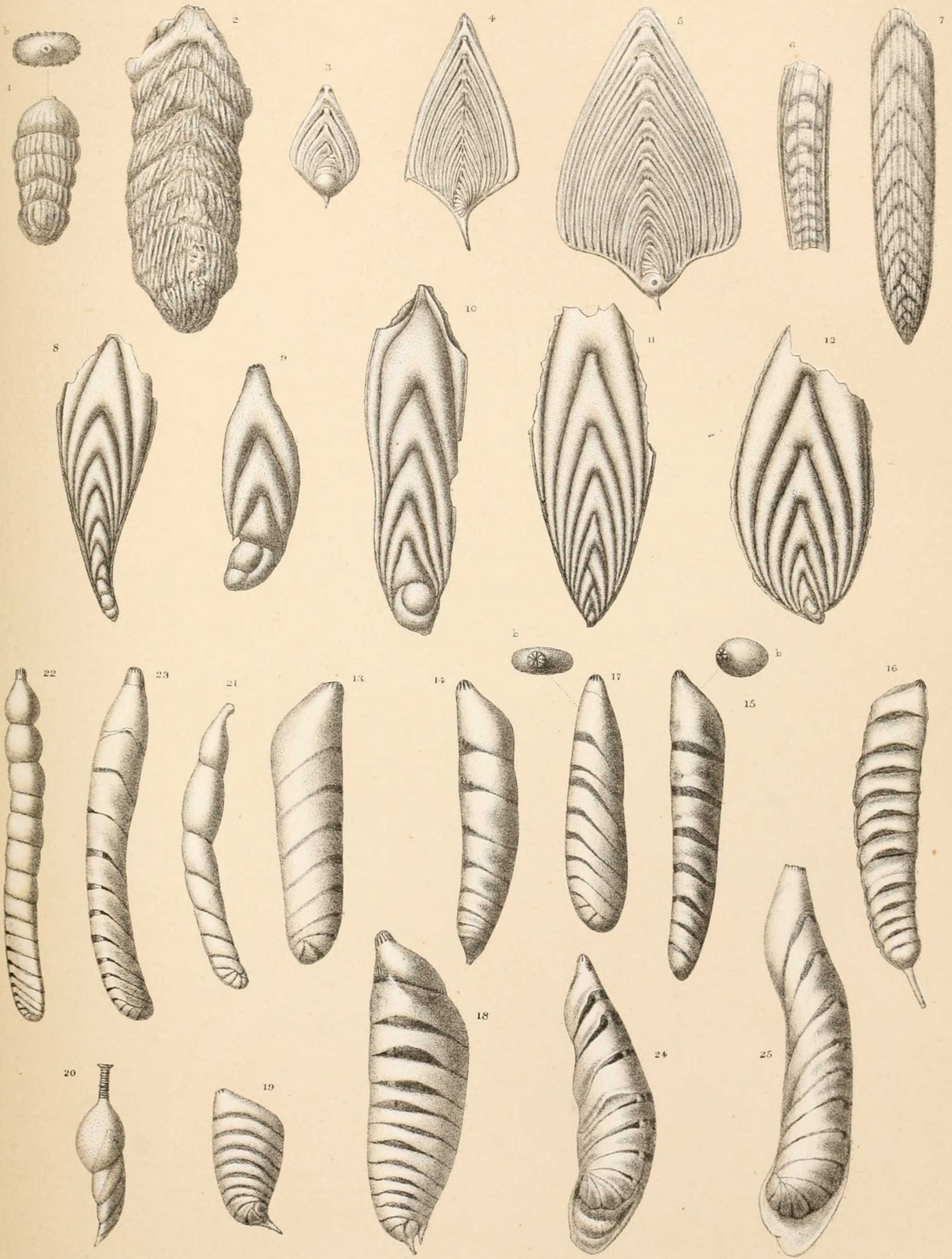
PLATE LXVI.

PLATE LXVI.

FRONDICULARIA.—VAGINULINA.—CRISTELLARIA.

(*b*, Oral aspect.)

	Diam.	Page
Figures 1, 2.— <i>Fron dicularia robusta</i> , n. sp.,		523
Fig. 1 <i>b</i> , Oral aspect. Fig. 1. × 75; fig. 2,	× 17	
„ 3–5.— <i>Fron dicularia alata</i> , d'Orbigny (Flabelline variety),	× 15–20	522
„ 6, 7.— <i>Fron dicularia interrupta</i> , Karrer,	× 60	523
„ 8–12.— <i>Fron dicularia inæqualis</i> , Costa,		521
Figs. 8–11. × 60; fig. 12,	× 45	
„ 13–15.— <i>Vaginulina legumen</i> , Linné, sp.,	× 30	530
Fig. 15 <i>b</i> , Oral aspect.		
„ 16.— <i>Vaginulina margaritifera</i> , Batsch, sp.,	× 13	532
„ 17.— <i>Cristellaria obtusata</i> , Reuss,	× 25	536
<i>b</i> , Oral aspect.		
„ 18, 19.— <i>Vaginulina bruckenthali</i> , Neugenboren,	× 17	532
„ 20.—Intermediate specimen with Vaginuline com- mencement, and final Nodosarian chamber,	× 60	
„ 21–23.— <i>Cristellaria tenuis</i> , Bornemann, sp.,		
Figs. 21. × 35; figs. 22, 23,	× 20	535
„ 24, 25.— <i>Cristellaria obtusata</i> , var. <i>subalata</i> , nov.,	× 20	536



A. Hollick ad nat. del. et lith.

FRONDICULARIA, (Flabellina). — VAGINULINA — CRISTELLARIA.

Hanzhart imp.

PLATE LXVII.

PLATE LXVII.

RHABDOGONIUM.—VAGINULINA.—CRISTELLARIA.

		Diam.	Page
Figures 1-3.— <i>Rhabdogonium tricarinatum</i> , d'Orbigny, sp., <i>b, b</i> , Oral aspects.	×	75	525
„ 4-6.— <i>Rhabdogonium minutum</i> , Reuss, <i>b</i> , Oral aspect.	×	75	526
„ 7.— <i>Cristellaria schloenbachi</i> , Reuss, <i>b</i> , Oral aspect	×	25	539
„ 8.—Anomalous specimen, probably of the same species,	×	60	
„ 9.— <i>Cristellaria italica</i> , var. <i>volpicellii</i> , Costa,	×	50	545
„ 10-12.— <i>Vaginulina linearis</i> , Montagu, sp., <i>b</i> , Oral aspect.	×	15	532
„ 13, 14.— <i>Vaginulina spinigera</i> , Brady,	×	17	531
„ 15, 16.— <i>Vaginulina patens</i> , n. sp., Figs. 15, 16 <i>a</i> . Lateral aspects; <i>b</i> , front peripheral aspect.	×	75	533
„ 17, 19, 20.— <i>Cristellaria crepidula</i> , Fichtel and Moll, sp., Fig. 17. <i>a</i> , Lateral aspect; <i>b</i> , oral aspect, Figs. 19, 20 <i>a</i> . Lateral aspect; <i>b</i> , front peripheral aspect,	.		542
„ 18.— <i>Cristellaria lata</i> , Cornuel, sp., <i>a</i> , Lateral aspect; <i>b</i> , front peripheral aspect.	×	25	539



A. T. Hollick ad nat. del. et lith.

Hanhart imp.

RHABDOCONIUM-VAGINULINA-CRISTELLARIA.

PLATE LXVIII.

PLATE LXVIII.

CRISTELLARIA.

	Diam.	Page
Figure 1.— <i>Cristellaria crepidula</i> , Fichtel and Moll, sp., Specimen mounted in Canada balsam; with young shells in some of the later chambers.	× 50	542
„ 2.—Portion of the same, more highly magnified,	× 100	
„ 3, 4.— <i>Cristellaria tricarmella</i> , Reuss, b, Front peripheral aspect.	× 50	540
„ 5-9.— <i>Cristellaria siddalliana</i> , Brady, Figs. 5-8. Lateral aspect; fig. 9, front peripheral aspect.	× 35	541
„ 10.— <i>Cristellaria cassis</i> , Fichtel and Moll, sp.,	× 30	552
„ 11-16.— <i>Cristellaria variabilis</i> , Reuss, Figs. 11-15. Lateral aspect of specimens in various stages of growth; fig. 16, oral aspect.	× 50	541
„ 17, 18, 20-23.— <i>Cristellaria italica</i> , Defrance, sp., Figs. 17, 18. Lateral aspect; fig. 20, front peripheral aspect; figs. 21-23, oral aspect.	× 15-20	544
„ 19.— <i>Cristellaria latifrons</i> , n. sp. (see also Pl. CXIII. fig. 11),	× 20	544

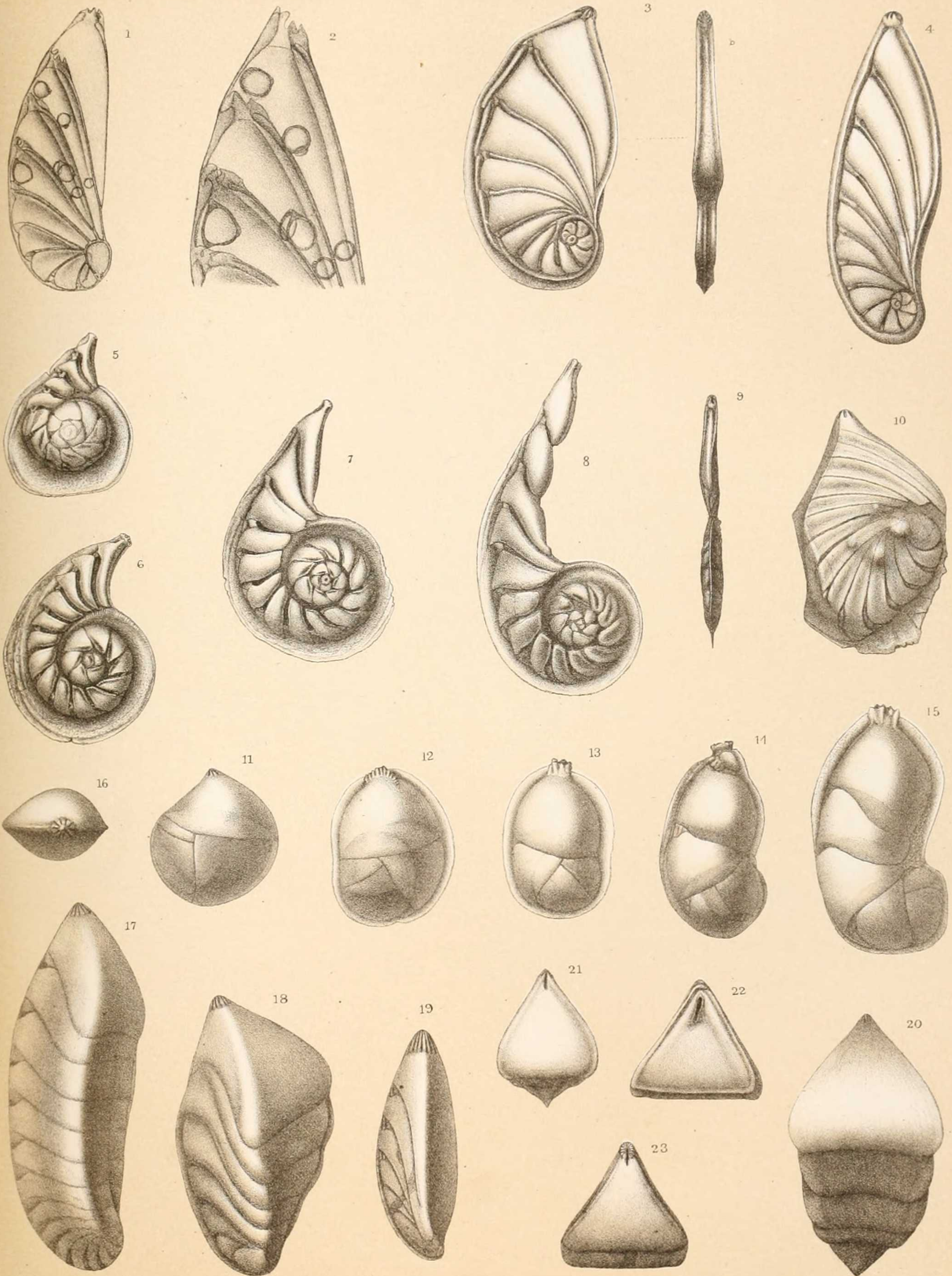
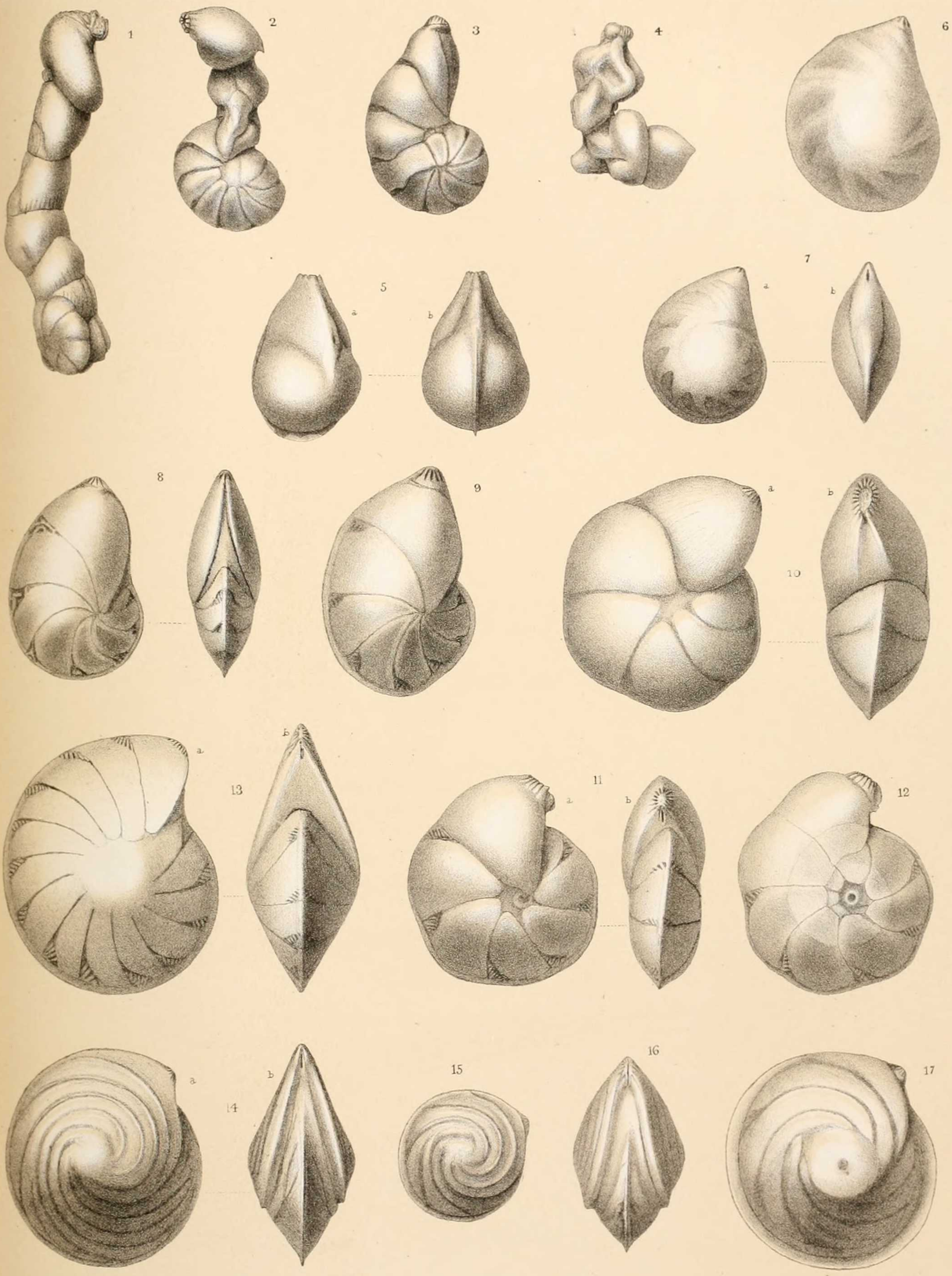


PLATE LXIX.

PLATE LXIX.

CRISTELLARIA.

	Diam.	Page
Figures 1-4.— <i>Cristellaria articulata</i> , Reuss, Wild-growing forms, abundant off Nightingale Island, Tristan d'Acunha.	× 20	547
„ 5.— <i>Cristellaria</i> , sp., Young specimen, possibly of <i>Cristellaria deformis</i> , Reuss, or some similar variety.	× 35	
„ 6, 7.— <i>Cristellaria convergens</i> , Bornemann,		546
Fig. 6. Lateral aspect,	× 40	
Fig. 7. <i>a</i> , Lateral aspect; <i>b</i> , front peripheral aspect,	× 50	
„ 8, 9.— <i>Cristellaria gibba</i> , d'Orbigny,	× 25	546
Figs 8 <i>a</i> , 9. Lateral aspect; <i>b</i> , front peripheral aspect.		
„ 10-12.— <i>Cristellaria articulata</i> , Reuss,		547
Fig. 10. <i>a</i> , Lateral aspect; <i>b</i> , front peripheral aspect,	× 16	
Fig. 11 <i>a</i> , 12. Lateral aspect; <i>b</i> , front peripheral aspect,	× 35	
„ 13.— <i>Cristellaria rotulata</i> , Lamarck, sp.,	× 12	547
<i>a</i> , Lateral aspect; <i>b</i> , front peripheral aspect.		
„ 14-16.— <i>Cristellaria vortex</i> , Fichtel and Moll, sp.,	× 30	548
Figs. 14 <i>a</i> , 15. Lateral aspect; figs. 14 <i>b</i> , 16, front peripheral aspect.		
„ 17.— <i>Cristellaria orbicularis</i> , d'Orbigny, sp.,	× 30	549
Lateral aspect		



A. T. Hollick, ad. nat. del. et lith.

Hanhart imp.

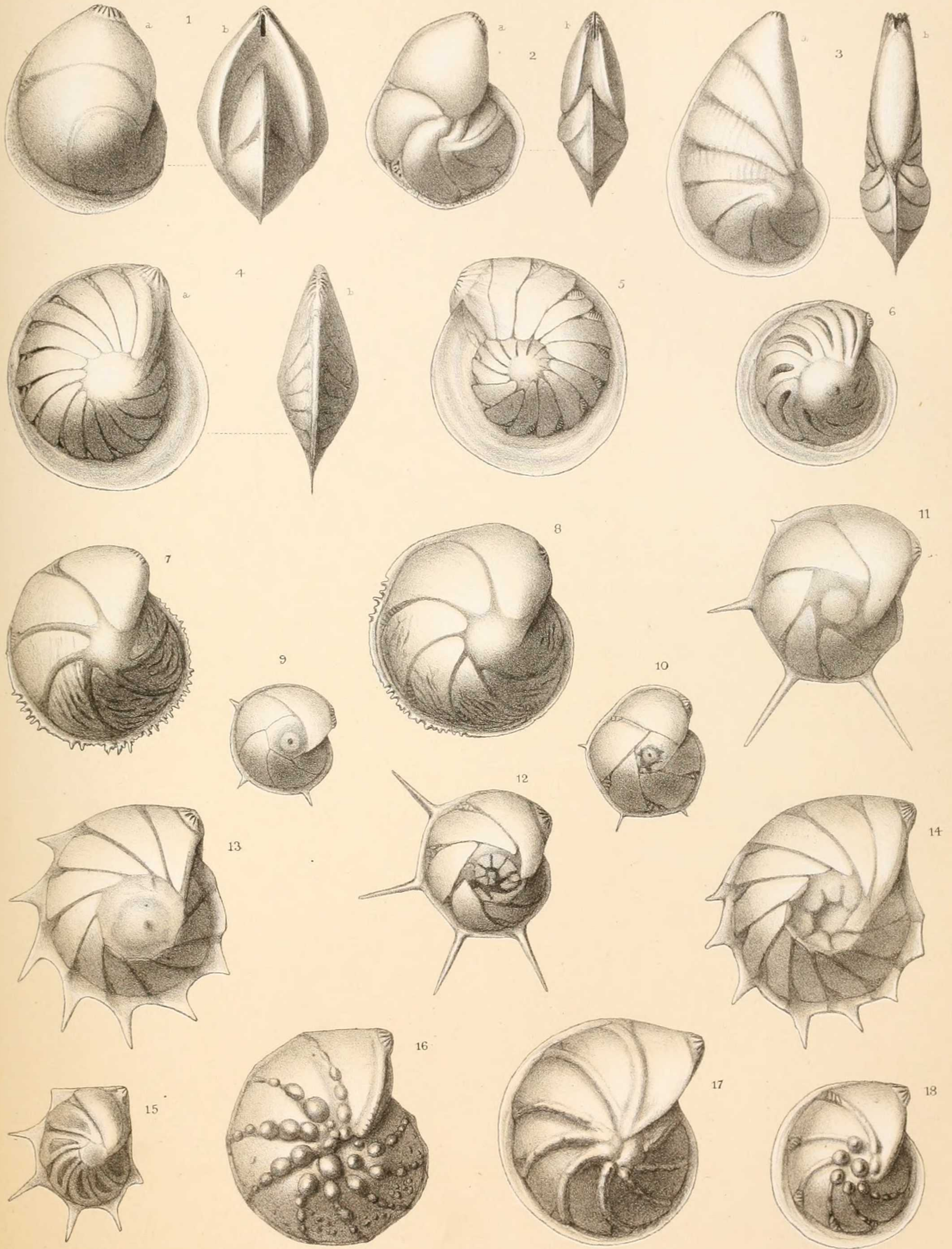
CRISTELLARIA.

PLATE LXX.

PLATE LXX.

CRISTELLARIA.

Figure		Diam.	Page
1.—	<i>Cristellaria crassa</i> , d'Orbigny, <i>a</i> , Lateral aspect ; <i>b</i> , front peripheral aspect.	× 40	549
„ 2.—	<i>Cristellaria nitida</i> , d'Orbigny, <i>a</i> , Lateral aspect ; <i>b</i> , front peripheral aspect.	× 30	549
„ 3.—	<i>Cristellaria reniformis</i> , d'Orbigny, <i>a</i> , Lateral aspect ; <i>b</i> , front peripheral aspect.	× 25	539
„ 4-6.—	<i>Cristellaria cultrata</i> , Montfort, sp.,		550
	Fig. 4. <i>a</i> , Lateral aspect ; <i>b</i> , front peripheral aspect,	× 16	
	Fig. 5, 6. Lateral aspects. Fig. 5 × 15 diam. ; fig. 6	× 35	
„ 7, 8.—	Specimens of the same, with dentate carina,	× 20	550
„ 9-15.—	<i>Cristellaria calcar</i> , Linné, sp.,		551
	Lateral aspect ; figs. 9-12, 15, × 35 diam. ; figs. 13, 14,	× 25	
„ 16.—	<i>Cristellaria papillosa</i> , Fichtel and Moll, Lateral aspect.	× 20	553
„ 17, 18.—	<i>Cristellaria mamilligera</i> , Karrer, Lateral aspect.	× 20	553



A. T. Hollick adnat. del. et lith.

Hanhart imp.

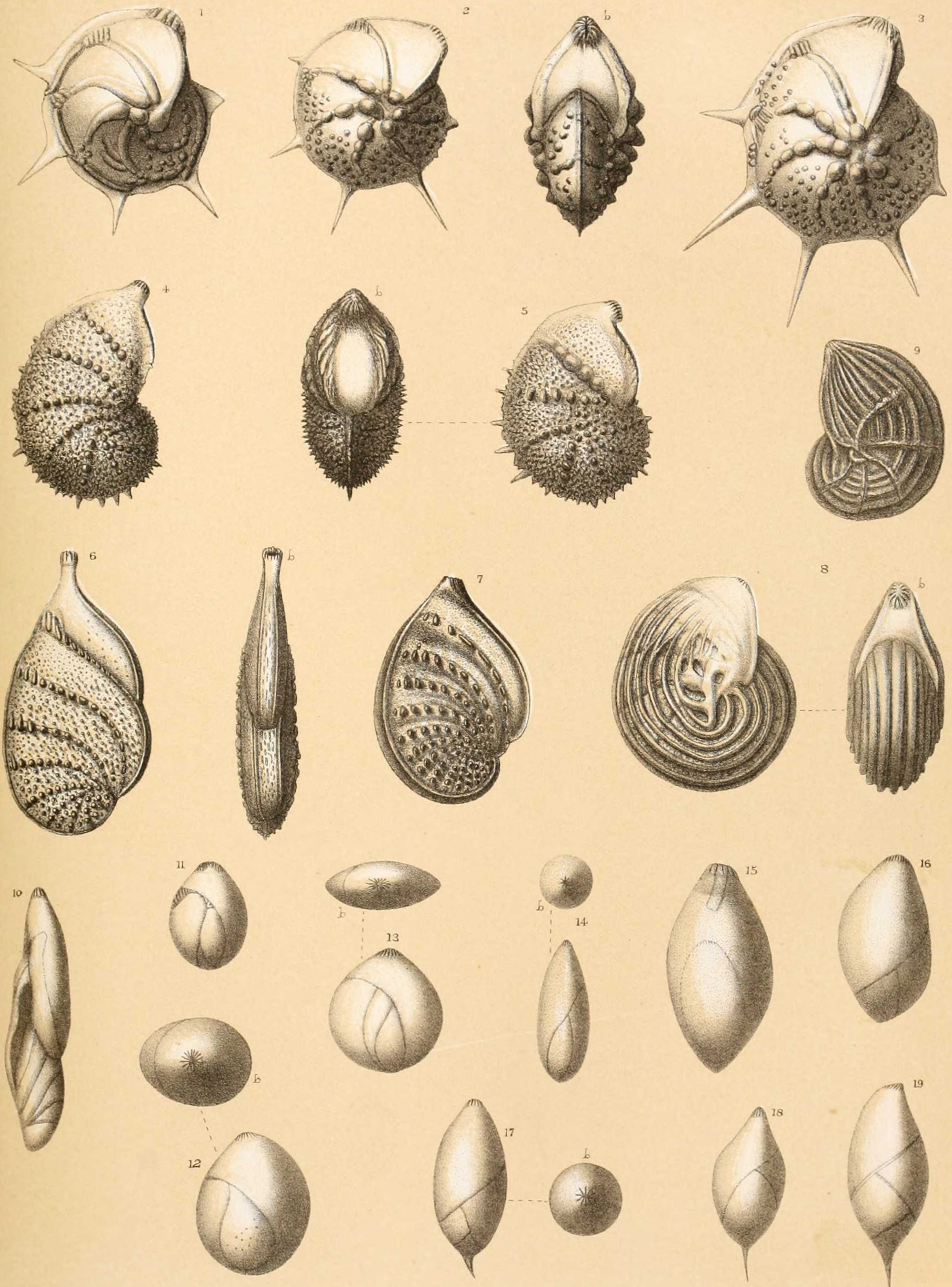
CRISTELLARIA.

PLATE LXXI.

PLATE LXXI.

CRISTELLARIA.—POLYMORPHINA.

		Diam.	Page
Figures 1-3.—	<i>Cristellaria echinata</i> , d'Orbigny, sp., . . . . .	.	554
	<i>b</i> , Front peripheral aspect; fig. 1, × 30; figs. 2, 3,	× 20	
„ 4, 5.—	<i>Cristellaria aculeata</i> , d'Orbigny,	× 25	555
	<i>b</i> , Front peripheral aspect.		
„ 6, 7.—	<i>Cristellaria gemmata</i> , Brady,	× 35	554
	<i>b</i> , Front peripheral aspect.		
„ 8, 9.—	<i>Cristellaria costata</i> , Fichtel and Moll, sp.,	× 35	555
	<i>b</i> , Front peripheral aspect.		
	10.—Dimorphous specimen, the earlier chambers arranged as in <i>Cristellaria</i> , the later ones as in <i>Polymorphina</i> ,	× 50	
„ 11.—	<i>Polymorphina lactea</i> , Walker and Jacob,	× 50	559
„ 12.—	<i>Polymorphina gibba</i> , d'Orbigny,	× 40	561
	<i>b</i> , Oral aspect.		
„ 13.—	<i>Polymorphina amygdaloides</i> , Reuss,	× 75	560
	<i>b</i> , Oral aspect.		
„ 14.—	<i>Polymorphina lactea</i> , Walker and Jacob,—elongate variety,	× 75	559
	<i>b</i> , Oral aspect.		
„ 15, 16.—	<i>Polymorphina sororia</i> , Reuss,	× 50	562
„ 17-19.—	<i>Polymorphina sororia</i> , var. <i>cuspidata</i> , nov.,	× 60	563
	<i>b</i> , Oral aspect.		



A. T. Hollick ad nat. del. et lith.

Hanhart imp.

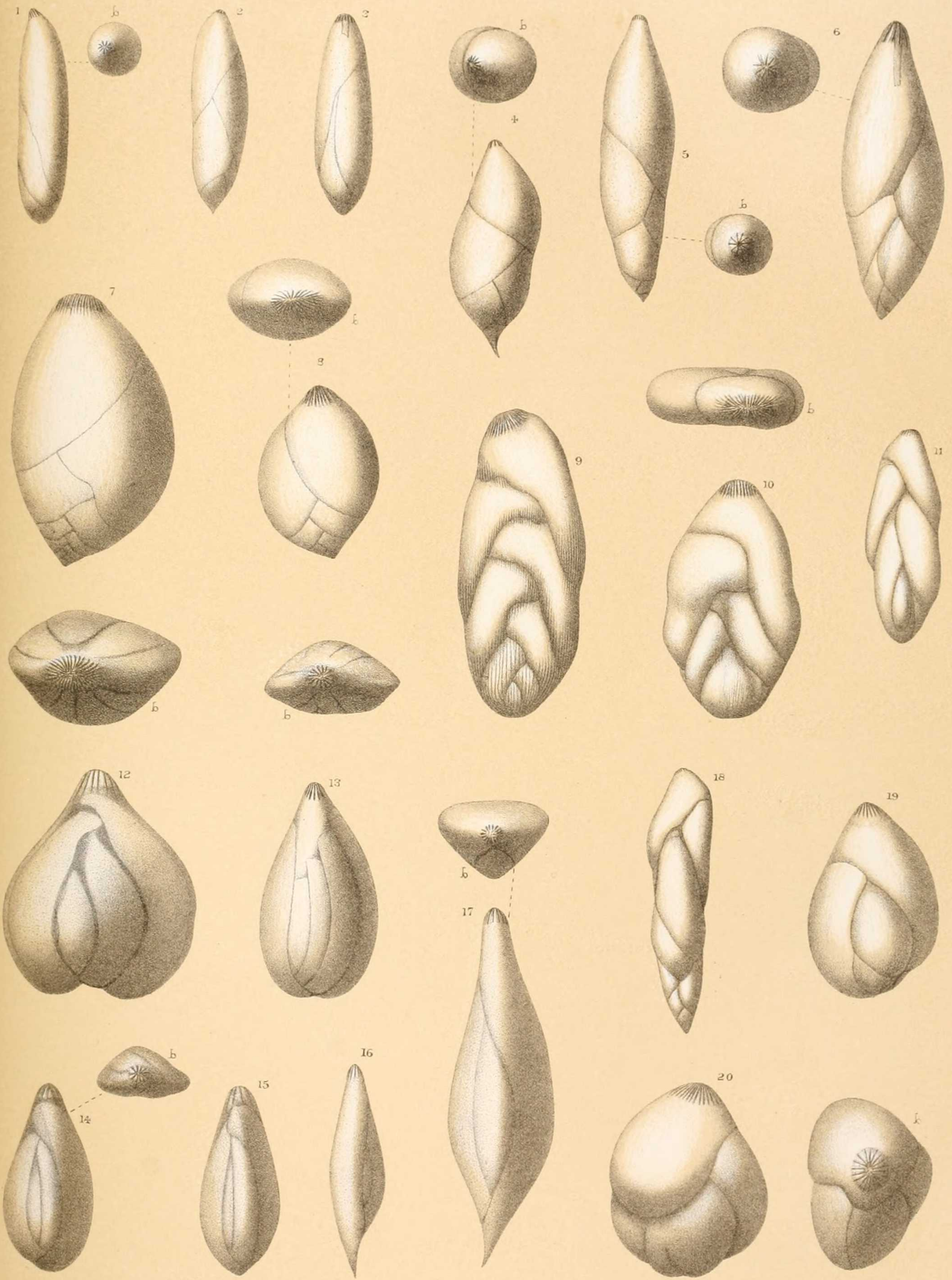
CRISTELLARIA-POLYMORPHINA

PLATE LXXII.

PLATE LXXII.

POLYMORPHINA.

		Diam.	Page
Figures 1-3.— <i>Polymorphina angusta</i> , Egger,	×	45-60	563
<i>b</i> , Oral aspect.			
„ 4.— <i>Polymorphina sororia</i> , var. <i>cuspidata</i> , nov.,	×	50	563
<i>b</i> , Oral aspect.			
„ 5, 6.— <i>Polymorphina lanceolata</i> , Reuss,	×	45	564
<i>b, b</i> , Oral aspect.			
„ 7, 8.— <i>Polymorphina ovata</i> , d'Orbigny,	×	25	564
<i>b</i> , Oral aspect.			
„ 9-11.— <i>Polymorphina compressa</i> , d'Orbigny,			565
<i>b</i> , Oral aspect.			
Fig. 9. × 18 diam.; fig. 10, × 25 diam.; fig. 11,	×	40	
„ 12-15.— <i>Polymorphina elegantissima</i> , Parker and Jones,	×	50	566
<i>b, b, b</i> , Oral aspect.			
„ 16, 17.— <i>Polymorphina seguenzana</i> , n. sp.,	×	40	567
<i>b</i> , Oral aspect.			
„ 18.— <i>Polymorphina thouini</i> , d'Orbigny,	×	18	567
„ 19.— <i>Polymorphina communis</i> , d'Orbigny,	×	50	568
„ 20.— <i>Polymorphina problema</i> , d'Orbigny,	×	40	568
<i>b</i> , Oral aspect.			



AT Holbck ad nat. del. et lith.

Hanhart imp.

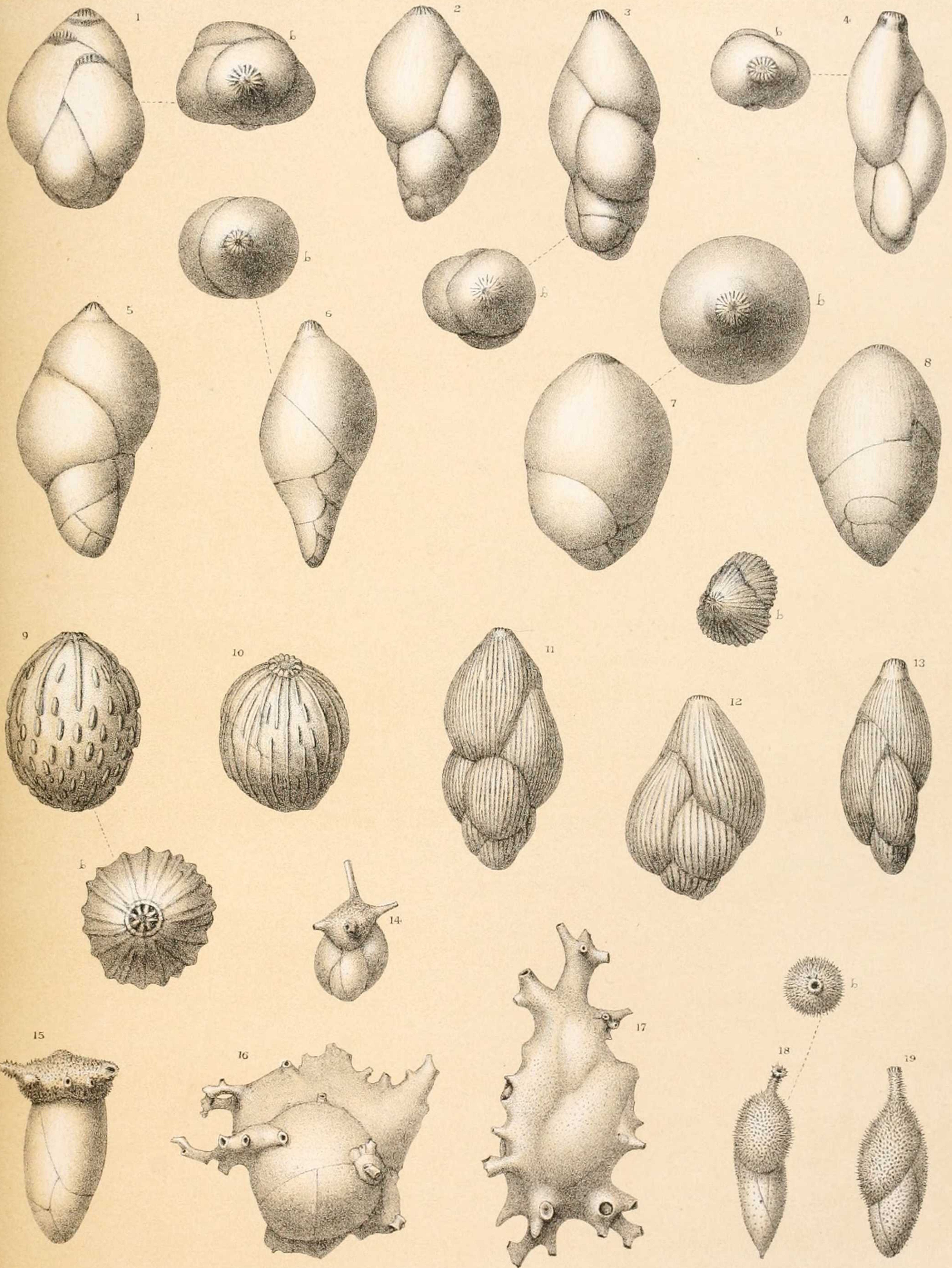
POLYMORPHINA

PLATE LXXIII.

PLATE LXXIII.

POLYMORPHINA.

			Diam.	Page
Figure 1.— <i>Polymorphina problema</i> , d'Orbigny, <i>b</i> , Oral aspect.	.	.	× 40	568
„ 2-4.— <i>Polymorphina oblonga</i> , d'Orbigny, <i>b</i> , Oral aspect.	.	.	× 40	569
„ 5-8.— <i>Polymorphina rotundata</i> , Bornemann, sp., <i>b, b</i> , Oral aspect.	.	.	× 30	570
„ 9, 10.— <i>Polymorphina myristiformis</i> , Williamson, <i>b</i> , Oral aspect.	.	.	× 60-75	571
„ 11-13.— <i>Polymorphina regina</i> , Brady, Parker, and Jones, <i>b</i> , Oral aspect.	.	.	× 35-50	571
„ 14.— <i>Polymorphina lactea</i> , fistulose form,	.	.	× 50	560
„ 15.— <i>Polymorphina sororia</i> , fistulose form,	.	.	× 30	562
„ 16.— <i>Polymorphina gibba</i> , fistulose form,	.	.	× 35	562
„ 17.— <i>Polymorphina compressa</i> , fistulose form,	.	.	× 50	566
„ 18, 19.— <i>Polymorphina longicollis</i> , Brady, <i>b</i> , Oral aspect.	.	.	× 50-60	572



A. Holbek ad nat. del. et lith.

Hanhart imp.

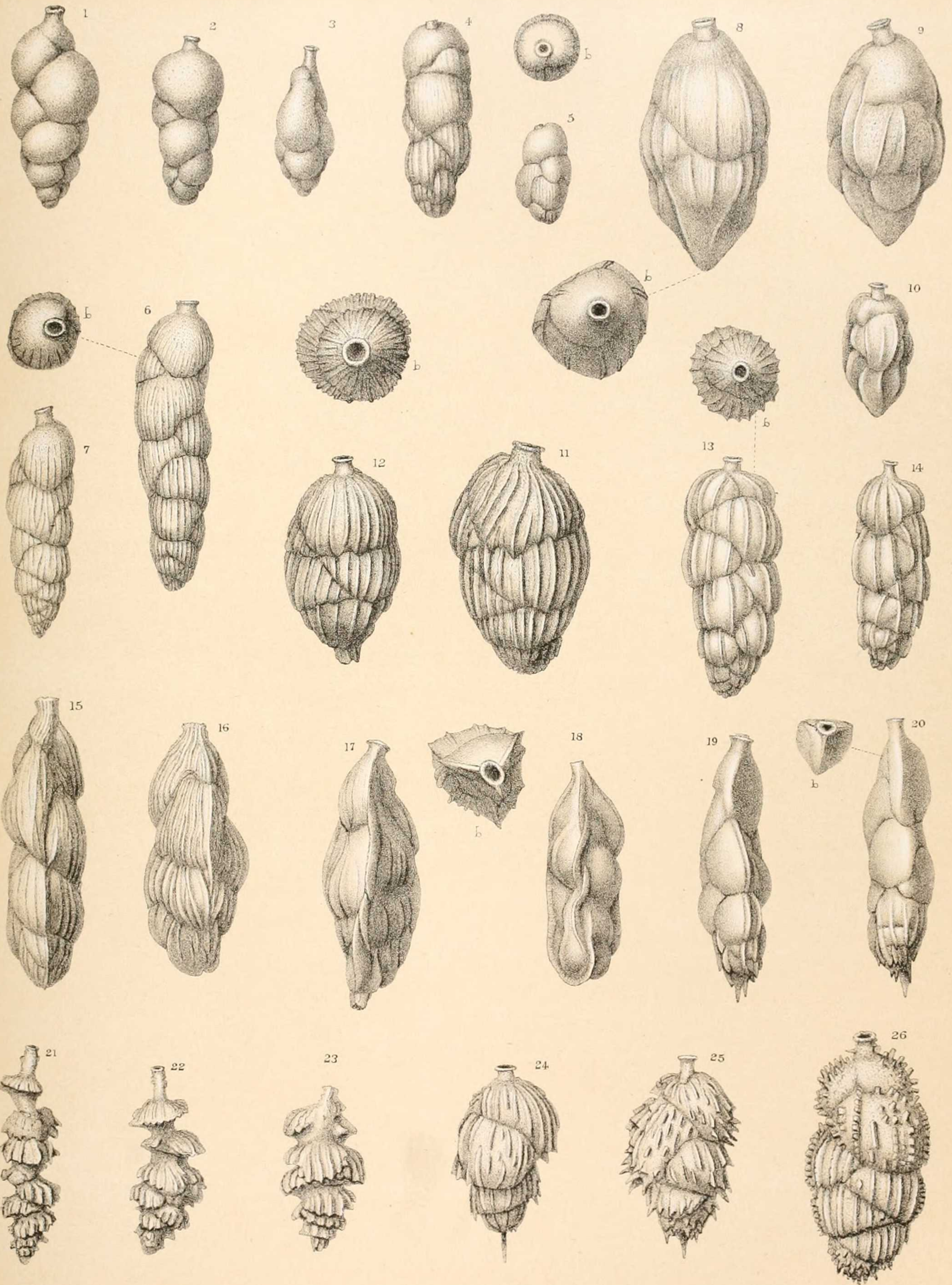
POLYMORPHINA

PLATE LXXIV.

PLATE LXXIV.

UVIGERINA.

	Diam.	Page
Figures 1-3.— <i>Uvigerina canariensis</i> , d'Orbigny, . . . . .	.	573
Lateral aspect; fig. 1, × 50 diam.; fig. 2, × 60; fig. 3,	× 75	
„ 4-7.— <i>Uvigerina tenuistriata</i> , Reuss, . . . . .	.	574
Figs. 4, 5. Lateral aspect; <i>b</i> , oral aspect,	× 50	
Figs. 6, 7. Lateral aspect; <i>b</i> , oral aspect,	× 45	
„ 8-10.— <i>Uvigerina schwageri</i> , n. sp.,	× 30	575
Figs. 8, 9. Lateral aspect; <i>b</i> , oral aspect.		
Fig. 10. Young specimen.		
„ 11-14.— <i>Uvigerina pygmæa</i> , d'Orbigny, . . . . .	.	575
Figs. 11, 12. Typical form, lateral aspect; <i>b</i> , oral aspect,	× 50	
Figs. 13, 14. Elongate variety, lateral aspect; <i>b</i> , oral aspect,	× 60	
„ 15-18.— <i>Uvigerina angulosa</i> , Williamson,	× 60	576
Figs. 15-18. Lateral aspect; <i>b</i> , oral aspect.		
„ 19, 20.— <i>Uvigerina angulosa</i> , var. <i>spinipes</i> , Brady,	× 60	577
Figs. 19, 20. Lateral aspect; <i>b</i> , oral aspect.		
„ 21, 23.— <i>Uvigerina porrecta</i> , Brady,	× 70	577
Lateral aspect.		
„ 24-26.— <i>Uvigerina</i> , sp.,	× 40-55	575
Intermediate specimens connecting <i>Uvigerina pygmæa</i> with <i>Uvigerina aculeata</i> .		



A. T. Hollick adnat. del et lith.

Hanhart imp.

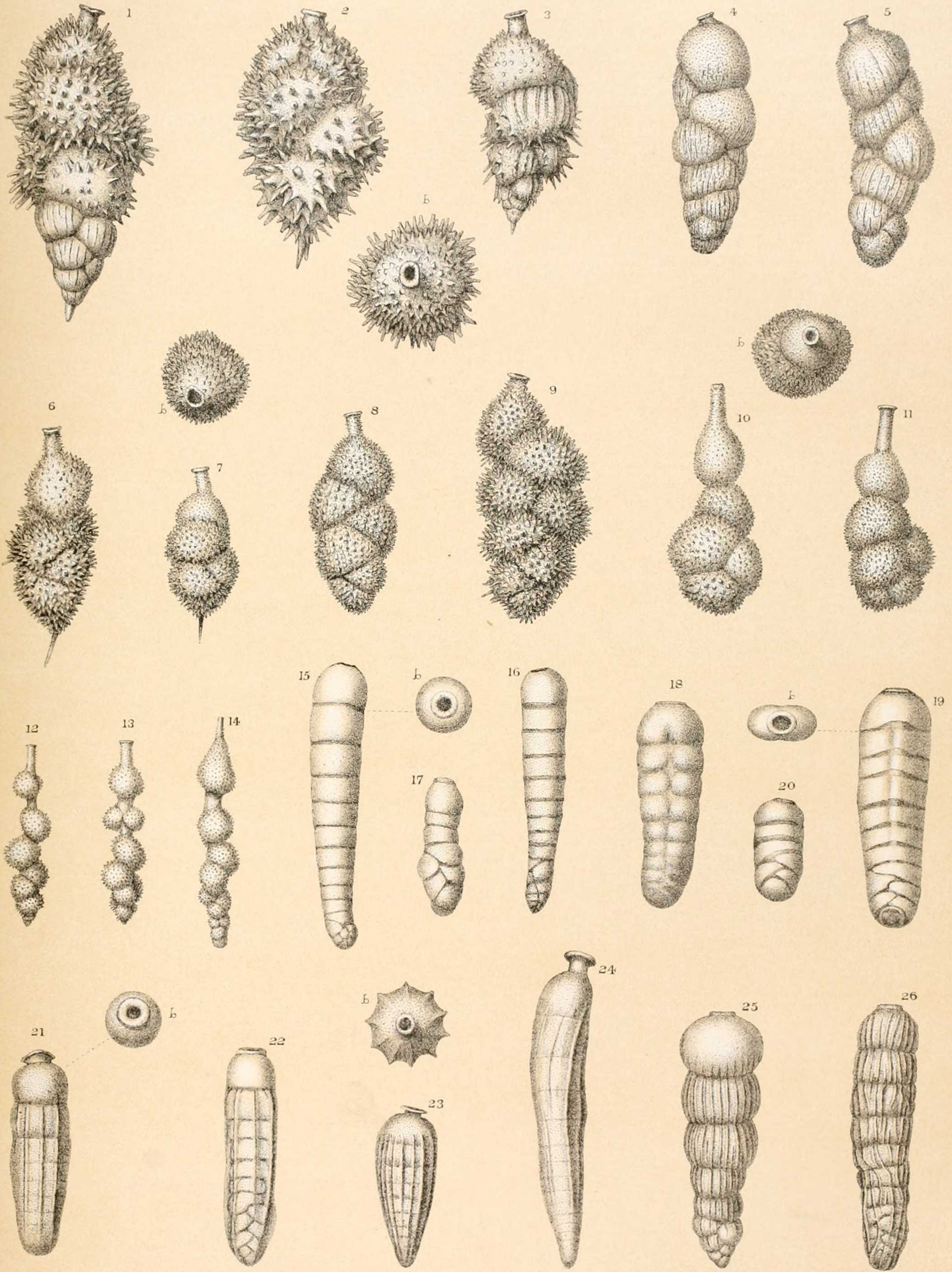
UVIGERINA

PLATE LXXV.

PLATE LXXV.

UVIGERINA.—SAGRINA.

	×	Diam.		Page
Figures 1-3.— <i>Uvigerina aculeata</i> , d'Orbigny,	×	35		578
Fig. 2. Typical specimen—lateral aspect; <i>b</i> , oral aspect.				
Figs. 1, 3. Intermediate specimens connecting the species with the costate forms,				575
„ 4, 5.— <i>Uvigerina brunnensis</i> , Karrer,	×	45		577
Lateral aspect.				
„ 6-8.— <i>Uvigerina asperula</i> , Czjzek,	×	50		578
Figs. 6, 7, 8. Lateral aspect; <i>b</i> , oral aspect.				
„ 9.— <i>Uvigerina asperula</i> , var. <i>auberiana</i> , d'Orbigny,	×	40		579
Lateral aspect.				
„ 10, 11.— <i>Uvigerina asperula</i> , var. <i>ampullacea</i> , nov.,	×	60		579
Figs. 10, 11. Lateral aspect; <i>b</i> , oral aspect.				
„ 12-14.— <i>Uvigerina interrupta</i> , Brady,	×	70		580
Lateral aspect.				
„ 15-17.— <i>Sagrina columellaris</i> , Brady,	×	45		581
Figs. 15, 16, 17. Lateral aspect; <i>b</i> , oral aspect.				
„ 18-20.— <i>Sagrina bifrons</i> , Brady,	×	50		582
Figs. 18, 19, 20. Lateral aspect; <i>b</i> , oral aspect.				
„ 21-24.— <i>Sagrina raphanus</i> , Parker and Jones,				585
Figs. 21, 22, 23. Lateral aspect; <i>b</i> , <i>b</i> , oral aspect,	×	60		
Figs. 24. Elongate tapering variety,	×	45		
„ 25, 26.— <i>Sagrina striata</i> , Schwager,	×	45		584
Lateral aspect.				



A. Hollick ad nat. del. et lith.

UVIGERINA (Uvigerina - Sagraia)

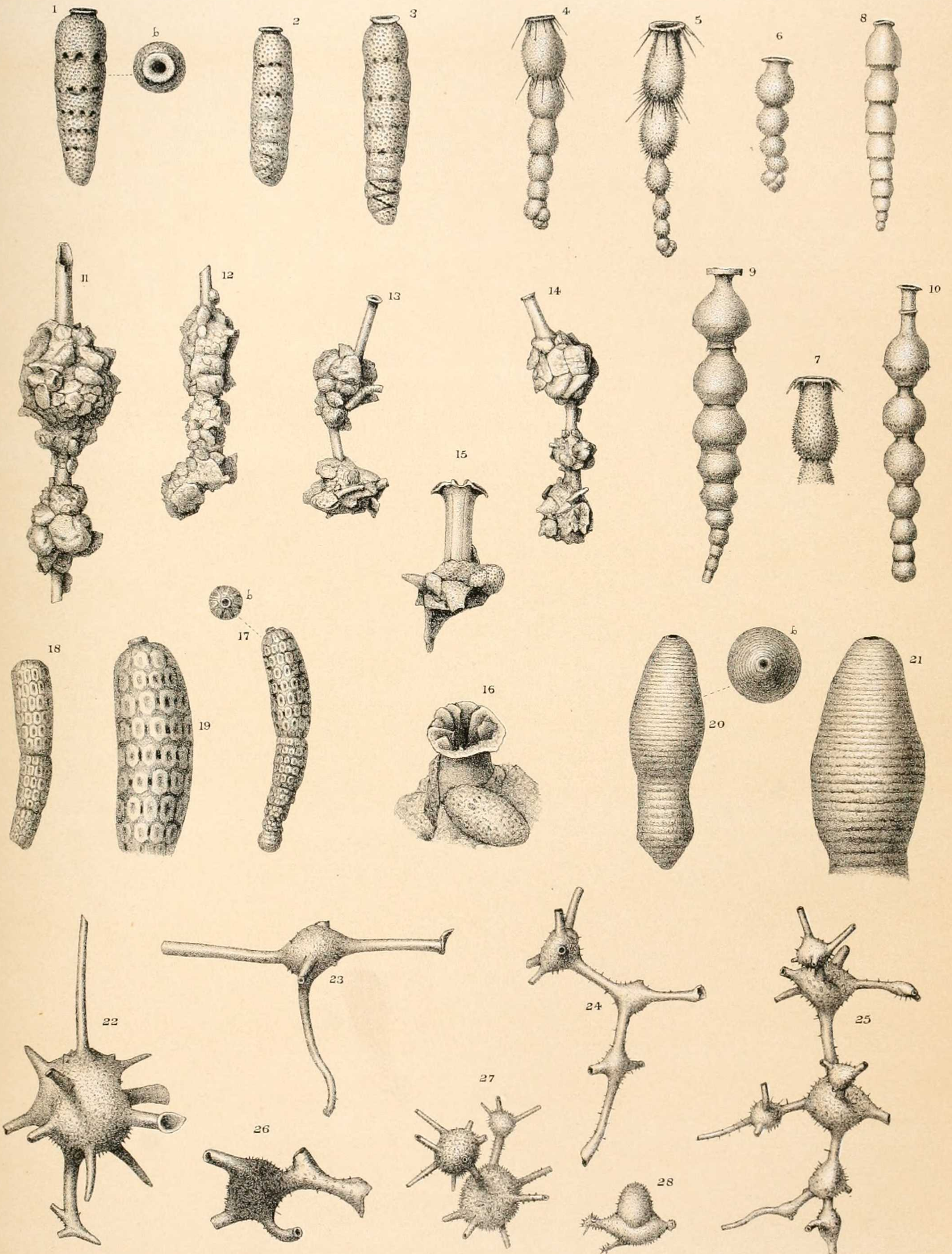
Hanhart imp.

PLATE LXXVI.

PLATE LXXVI.

SAGRINA.—RAMULINA.—NUBECULARIA.

	Diam.	Page
Figures 1-3.— <i>Sagrina dimorpha</i> , Parker and Jones, Figs. 1, 2, 3. Lateral aspect; <i>b</i> , oral aspect.	× 60	582
„ 4-10.— <i>Sagrina virgula</i> , Brady, Figs. 4-7. Typical shallow-water form, Figs. 8-10. Monomorphous thicker-shelled specimens from deeper water, . . . . .	. . . . . × 70 × 50-70	583
„ 11-16.— <i>Nubecularia divaricata</i> , Brady, Figs. 11-14. Lateral aspect. Figs. 15, 16. Oral end of the test, showing the grooved tubular neck and everted lip.	× 70	136
„ 17-19.— <i>Sagrina (?) tessellata</i> , n. sp., Figs. 17, 18. Lateral aspect; <i>b</i> , oral aspect, Fig. 19. Terminal segment more highly magnified, . . . . .	. . . . . × 75 × 150	585
„ 20, 21.— <i>Sagrina (?) annulata</i> , n. sp., Fig. 20. Lateral aspect; <i>b</i> , oral aspect, Fig. 21. Terminal segment more highly magnified, . . . . .	. . . . . × 60 \ 100	586
„ 22-28.— <i>Ramulina globulifera</i> , Brady,	× 35	587



A. Hollick ad nat. del. et lith.

UVIGERINA (Sagrina) - RAMULINA, etc.

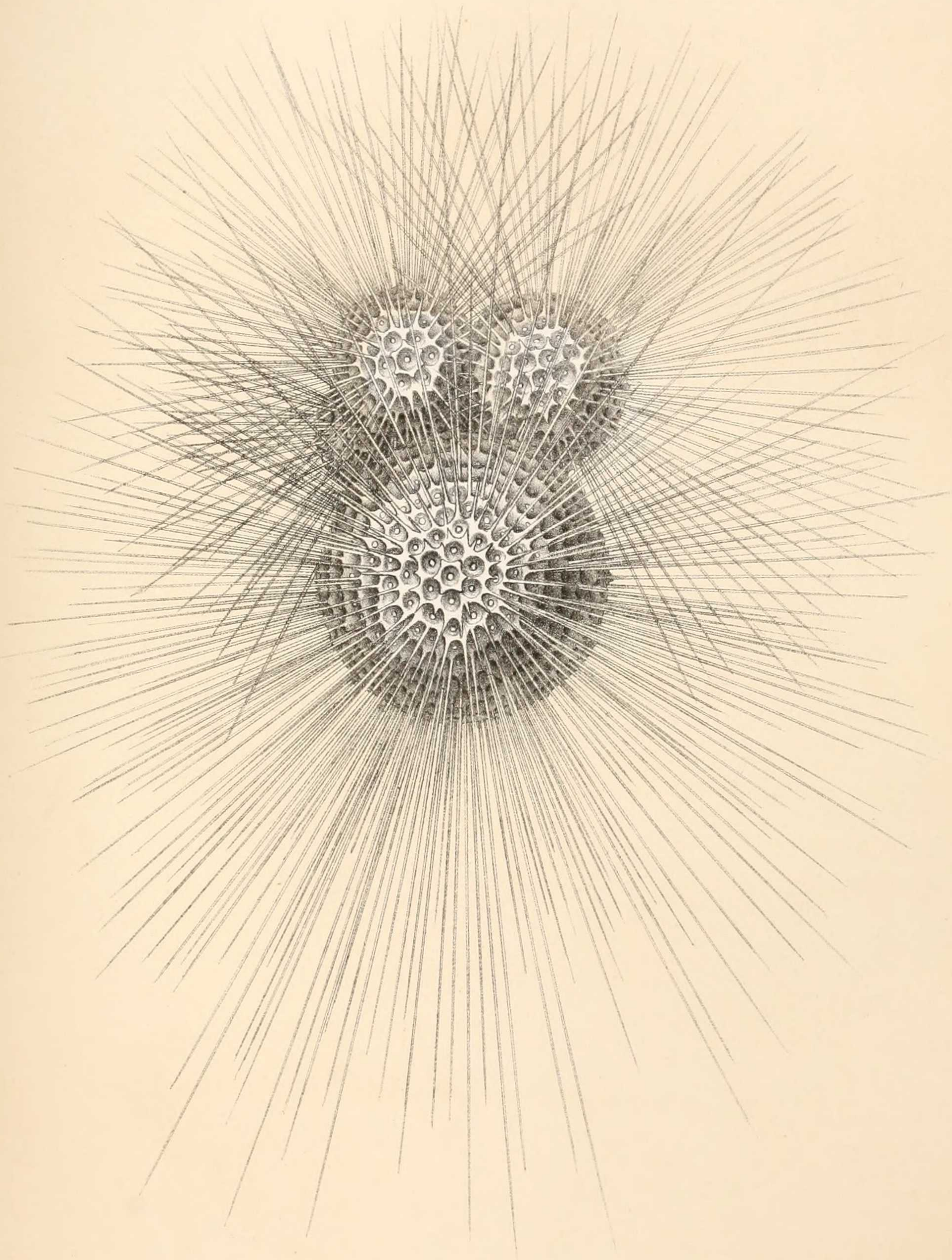
Hanhart imp.

PLATE LXXVII.

PLATE LXXVII.

GLOBIGERINA.

	Diam.	Page
<i>Globigerina bulloides</i> , d'Orbigny,	× 200	593
Surface specimen, immediately after being taken from the sea; drawn by Mr. Wild .		



J. Wild ad. nat. del. A. T. Hollick lith.

GLOBIGERINA.

Hanhart imp.

PLATE LXXVIII.

PLATE LXXVIII.

ORBULINA.

	Diam.	Page
<i>Orbulina universa</i> , d'Orbigny,	× 40.	608
Surface specimen, immediately after being taken from the sea; drawn by Mr. Wild.		

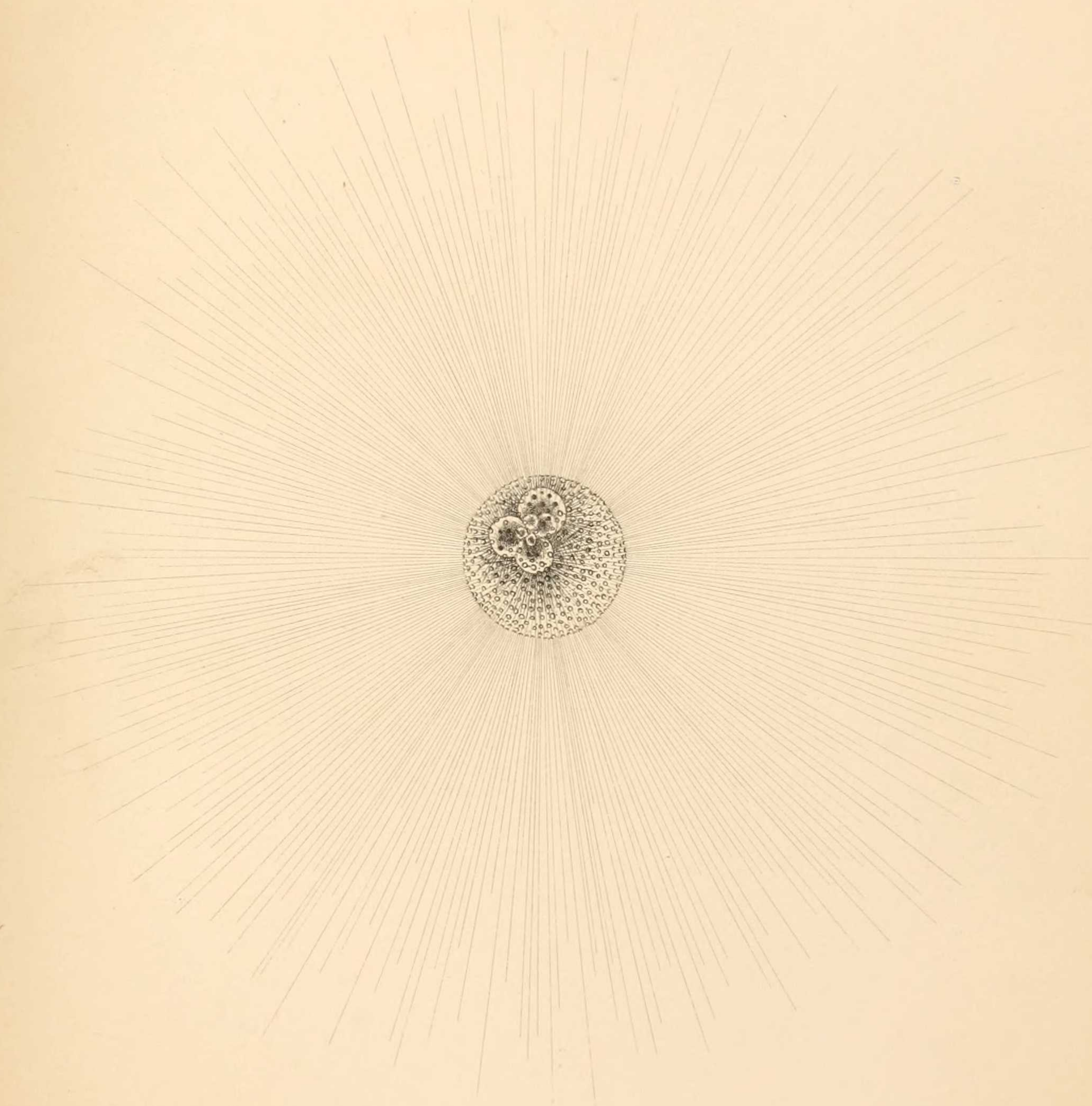


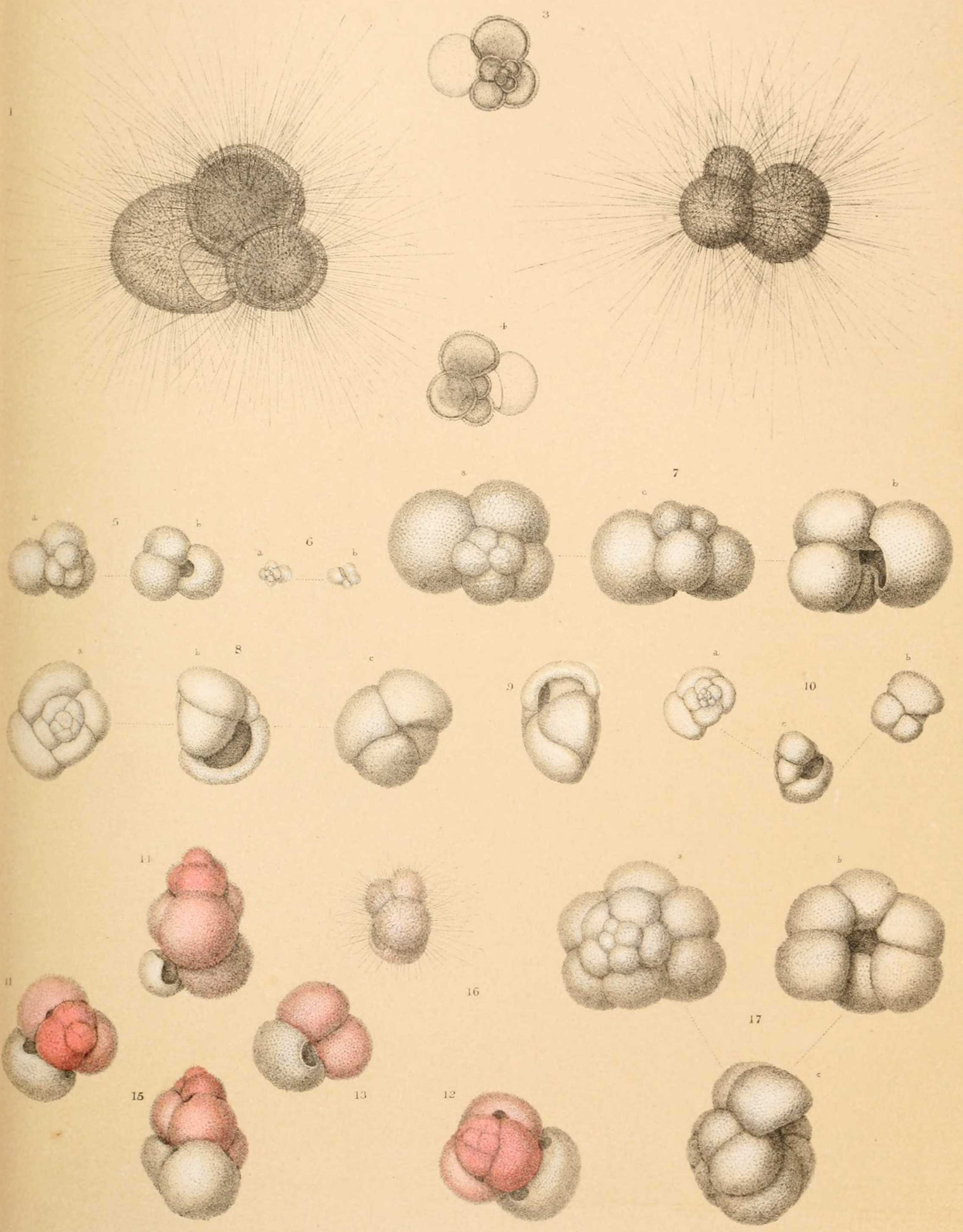
PLATE LXXIX.

PLATE LXXIX.

GLOBIGERINA.

a, Superior aspect; *b*, inferior aspect; *c*, peripheral aspect.

	Diam.	Page
Figures 1-7.— <i>Globigerina bulloides</i> , d'Orbigny,	× 50	593
Figs. 1, 2. Var. <i>triloba</i> , Reuss; spinous pelagic specimens, . . . . .	.	595
Figs. 3, 4. Typical form; non-spinous pelagic specimens, . . . . .	.	593
Figs. 5-7. Typical form, bottom specimens; fig. 5, young example; fig. 6, adult specimen of the starved form common on the British coast; fig. 7, adult typical shell, . . . . .	.	593
„ 8-10.— <i>Globigerina inflata</i> , d'Orbigny,	× 50	601
Figs. 8, 9. Bottom specimens.		
Fig. 10. Pelagic specimen.		
„ 11-16.— <i>Globigerina rubra</i> , d'Orbigny,	× 50	602
Figs. 11-15. Bottom specimens; figs. 11, 12, superior aspect, showing supplementary apertures; fig. 13, inferior aspect; fig. 14, peripheral aspect.		
Fig. 16. Young, spinous, pelagic specimen.		
„ 17.— <i>Globigerina dubia</i> , Egger,	× 50	595
Bottom specimen.		



A. Hollick ad nat. del. et lith.

Hannart imp.

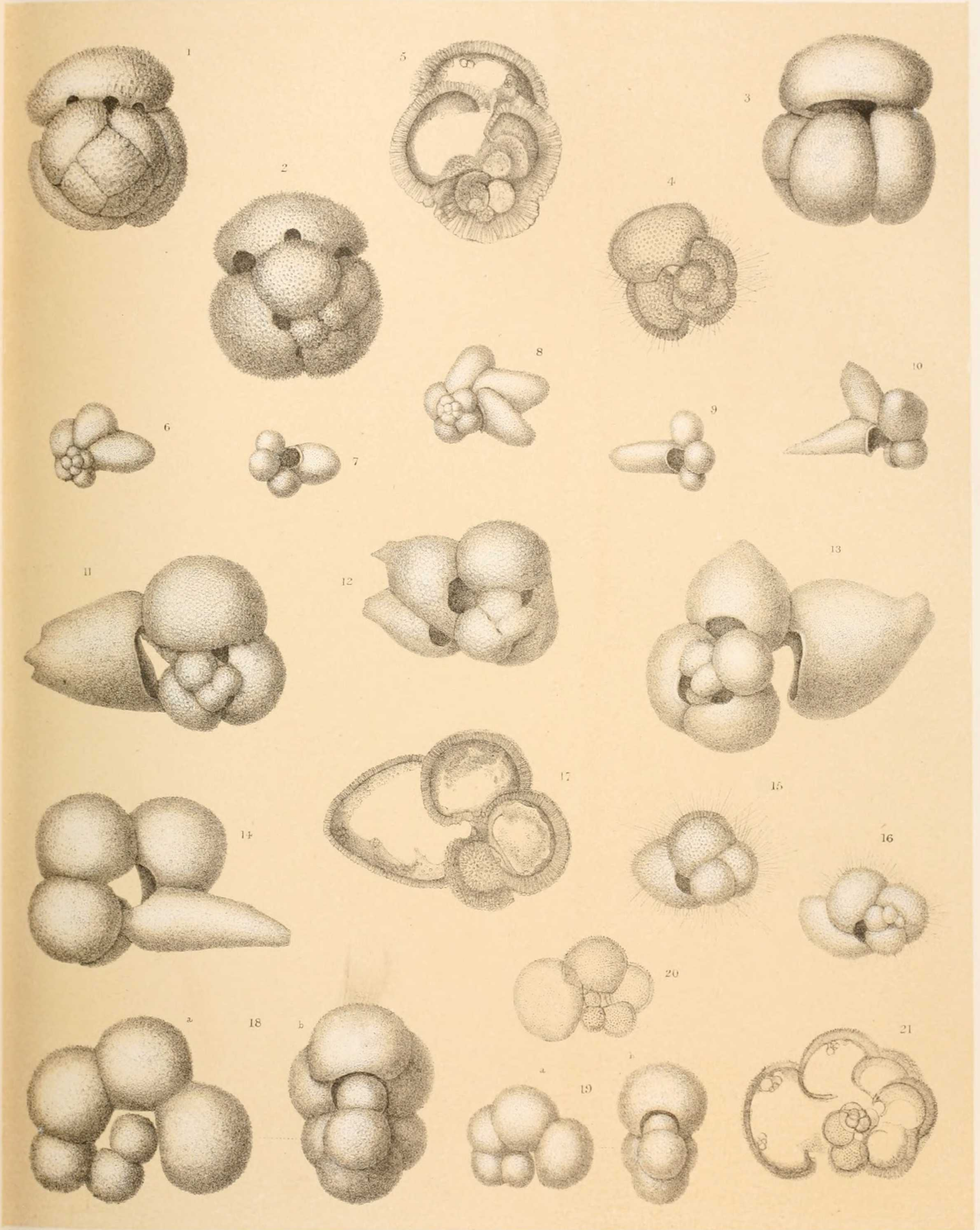
GLOBIGERINA.

PLATE LXXX.

PLATE LXXX.

GLOBIGERINA.

	Diam.	Page
Figures 1-5.— <i>Globigerina conglobata</i> , Brady,	× 50	603
Figs. 1-3. Bottom specimens; figs. 1, 2, superior aspect, showing supplementary apertures; fig. 3, inferior aspect. Fig. 4. Spinous pelagic specimen. Fig. 5. Section of the shell, showing its thickness, and the coarse tubulation of the walls.		
„ 6-10.— <i>Globigerina digitata</i> , Brady,	× 50	599
Bottom specimens; figs. 6, 8, superior aspect; figs. 7, 9, inferior aspect; fig. 10, peripheral aspect.		
„ 11-17.— <i>Globigerina sacculifera</i> , Brady,	× 50	604
Figs. 11-14. Bottom specimens; figs. 11-13, superior aspect; fig. 14, inferior aspect. Figs. 15, 16. Small pelagic specimens, in the spinous condition. Fig. 17. Section of the shell, showing its thickness and the coarse tubulation of the walls.		
„ 18-21.— <i>Globigerina æquilateralis</i> , Brady,	× 50	605
Figs. 18, 19. Bottom specimens; <i>a,a</i> , lateral aspect; <i>b,b</i> , peripheral aspect. Fig. 20. Surface specimen. Fig. 21. Section of the shell.		



At Hollick ad nat. del. et lith.

GLOBIGERINA.

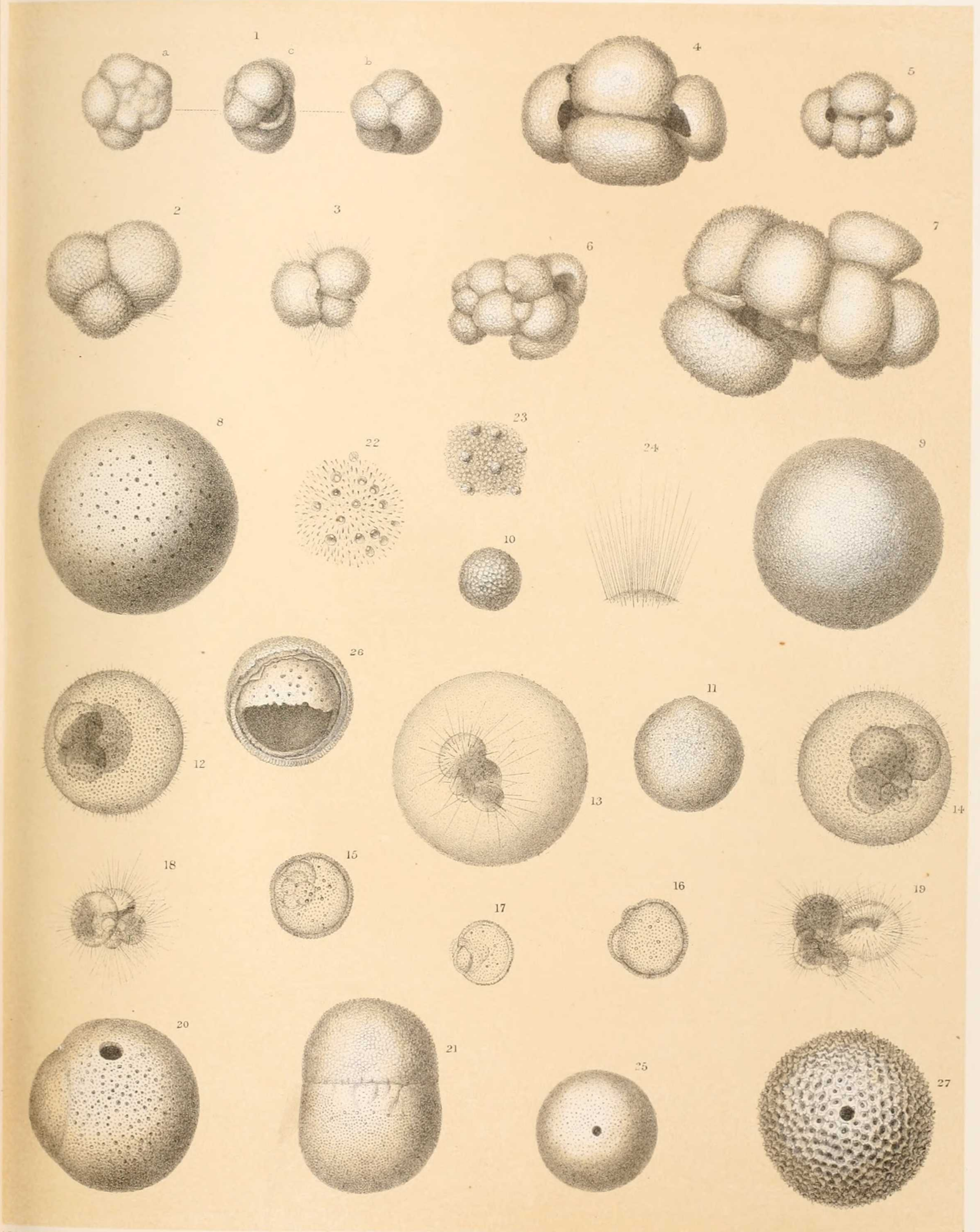
Hanhart imp.

PLATE LXXI.

PLATE LXXXI.

GLOBIGERINA.—ORBULINA.

		Diam.	Page
Figure 1.— <i>Globigerina dutertrei</i> , d'Orbigny,	×	50	601
Bottom specimen; <i>a</i> , superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.			
„ 2, 3.— <i>Globigerina bulloides</i> , var. <i>triloba</i> , Reuss,	×	50	595
Bottom specimens.			
„ 4, 5.— <i>Globigerina helicina</i> , d'Orbigny,	×	50	605
Fig. 4. Inferior aspect; fig. 5, superior aspect.			
„ 6, 7.— <i>Globigerina</i> ,—wild-growing monstrous forms,	×	50	593
Bottom specimens.			
„ 8-26.— <i>Orbulina universa</i> , d'Orbigny,			608
Figs. 8-11. Bottom specimens; fig. 10, small dark-coloured variety common in shallow water on the British coast,	×	50	
Figs. 12-14. Surface specimens,	×	50	
Figs. 15-17. Small bottom specimens in which the Globigerine shell is not completely enveloped by the Orbuline chamber,	×	50	
Figs. 18, 19. Internal Globigerine shells partially filled with sarcode; from balsam-mounted specimens,	×	50	
Figs. 20, 21. Two-chambered specimens. Such forms constitute the <i>Globigerina bilobata</i> of d'Orbigny,	×	50	
Figs. 22, 23. Portions of the test more highly magnified; showing (22) the large and small perforations, and (23) a granular or tuberculate condition of the exterior,	×	100	
Fig. 24. Portion of a spinous shell,	×	50	
Fig. 25. Bottom specimen with a general aperture (?); copied from Williamson,	×	50	
Fig. 26. Bottom specimen, showing the laminated condition of the walls,	×	50	
„ 27.— <i>Orbulina porosa</i> , Terquem,	×	50	611



A. Hollick ad nat. del. et lith.

GLOBIGERINA (Globigerina_Orbulina).

Hanbart imp.

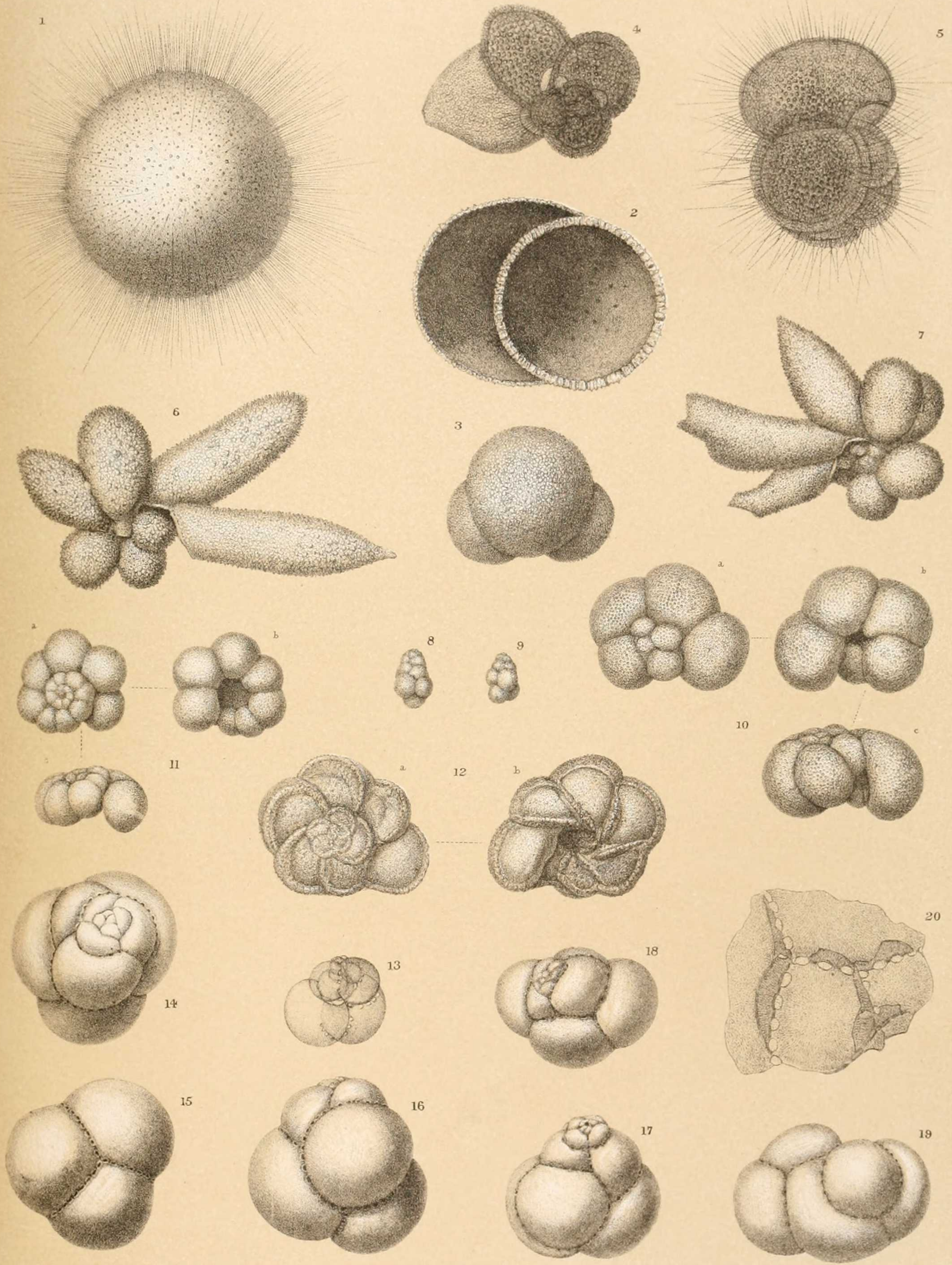
PLATE LXXXII.

PLATE LXXXII.

GLOBIGERINA.—ORBULINA.—CANDEINA.

a, Superior aspect; *b*, inferior aspect; *c*, peripheral aspect.

			Diam.	Page
Figures 1-3.—	<i>Orbulina universa</i> , d'Orbigny,	×	50	608
	Fig. 1. Spinous pelagic specimen.			
	Fig. 2. Two-chambered shell laid open.			
	Fig. 3. Specimen with two supplementary chambers.			
„	4.— <i>Globigerina sacculifera</i> , Brady,	×	50	604
	Adult pelagic specimen.			
„	5.— <i>Globigerina conglobata</i> , Brady,	×	50	603
	Adult pelagic specimen.			
„	6, 7.— <i>Globigerina digitata</i> , Brady,	×	50	599
	Large bottom specimens.			
„	8, 9.— <i>Globigerina</i> , sp.,	×	50	603
	Minute <i>Globigerinæ</i> ; general contour resembling that of <i>Globigerina elevata</i> , d'Orbigny, and <i>Globigerina trochoides</i> , Reuss.			
„	10.— <i>Globigerina (cretacea</i> , d'Orbigny?),	×	50	596
	Bottom specimen.			
„	11.— <i>Globigerina cretacea</i> , d'Orbigny,	×	50	596
	Fossil specimen.			
„	12.— <i>Globigerina linnæana</i> , d'Orbigny, sp.,	×	50	598
	Fossil specimen.			
„	13-20.— <i>Candeina nitida</i> , d'Orbigny,			622
	Fig. 13. Pelagic specimen,	×	50	
	Figs. 14-18. Bottom specimens; figs. 14, 18, superior aspect; fig. 15, inferior aspect; figs. 16, 17, peripheral aspect,	×	50	
	Fig. 19. Monstrous specimen,	×	50	
	Fig. 20. Portion of the shell more highly magnified, showing the sutural apertures and the minute perforation of the walls,	×	100	



Hollick ad nat. del. et lith.

GLOBIGERINA (Globigerina-Orbulina) CANDEINA

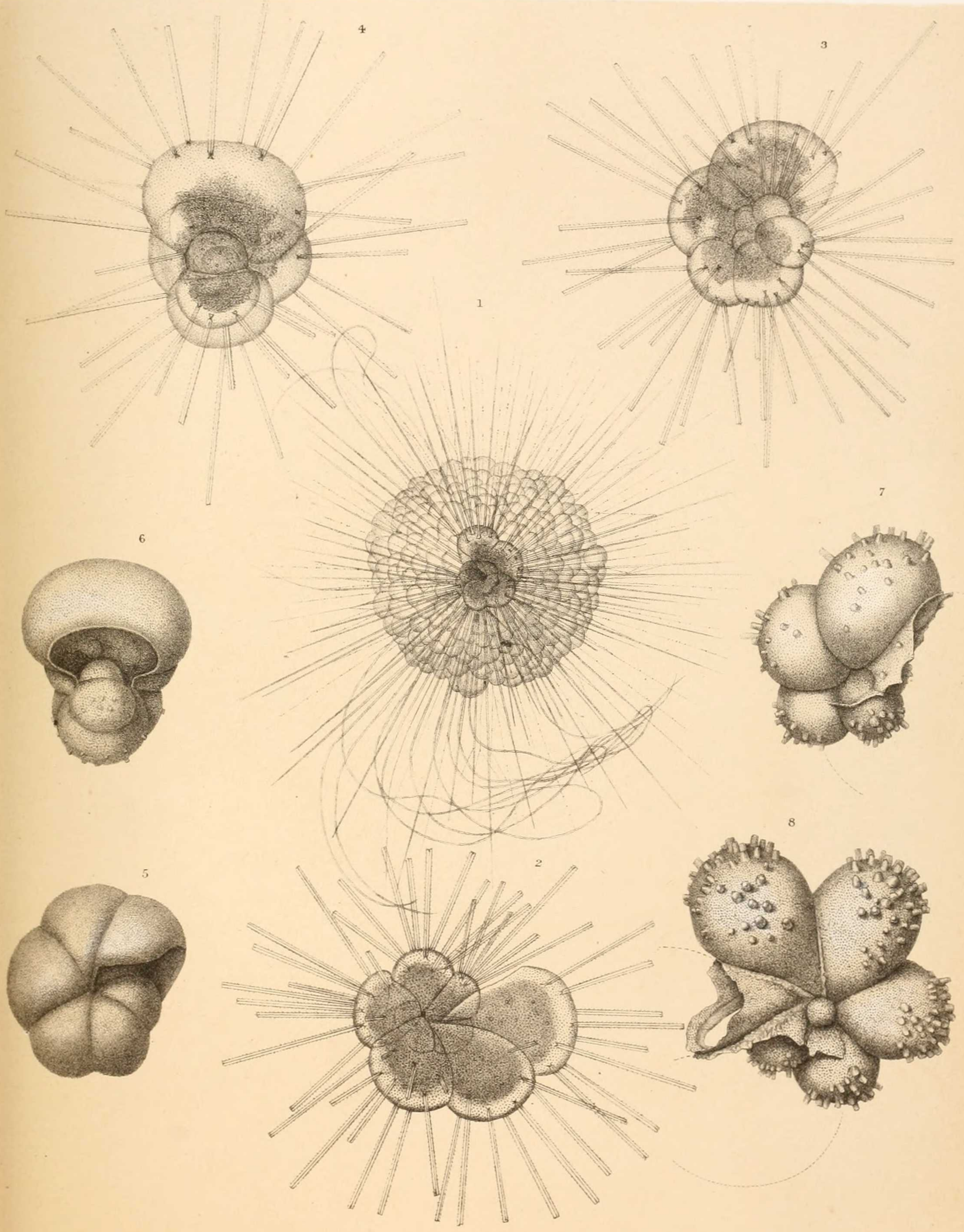
Hanbart imp.

PLATE LXXXIII

PLATE LXXXIII.

HASTIGERINA.

	Diam.	Page
Figures 1-8.— <i>Hastigerina pelagica</i> , d'Orbigny, sp.,		613
Fig. 1. Living specimen; the spinous shell enveloped in a lobulated mass of sarcode, with pseudo- podia extended. From a drawing by Mr. Wild,	×	43
Fig. 2. From a fresh specimen, drawn by Mr. Wild,	×	47
Figs. 3, 4. From specimens mounted in glycerine,	×	50
Figs. 5-8. Dead and empty shells, in the worn and broken condition in which they are usually found in bottom-dredgings,	×	50



J. Wild & A. Hollick, ad nat. del. A. Hollick lith.

HASTIGERINA.

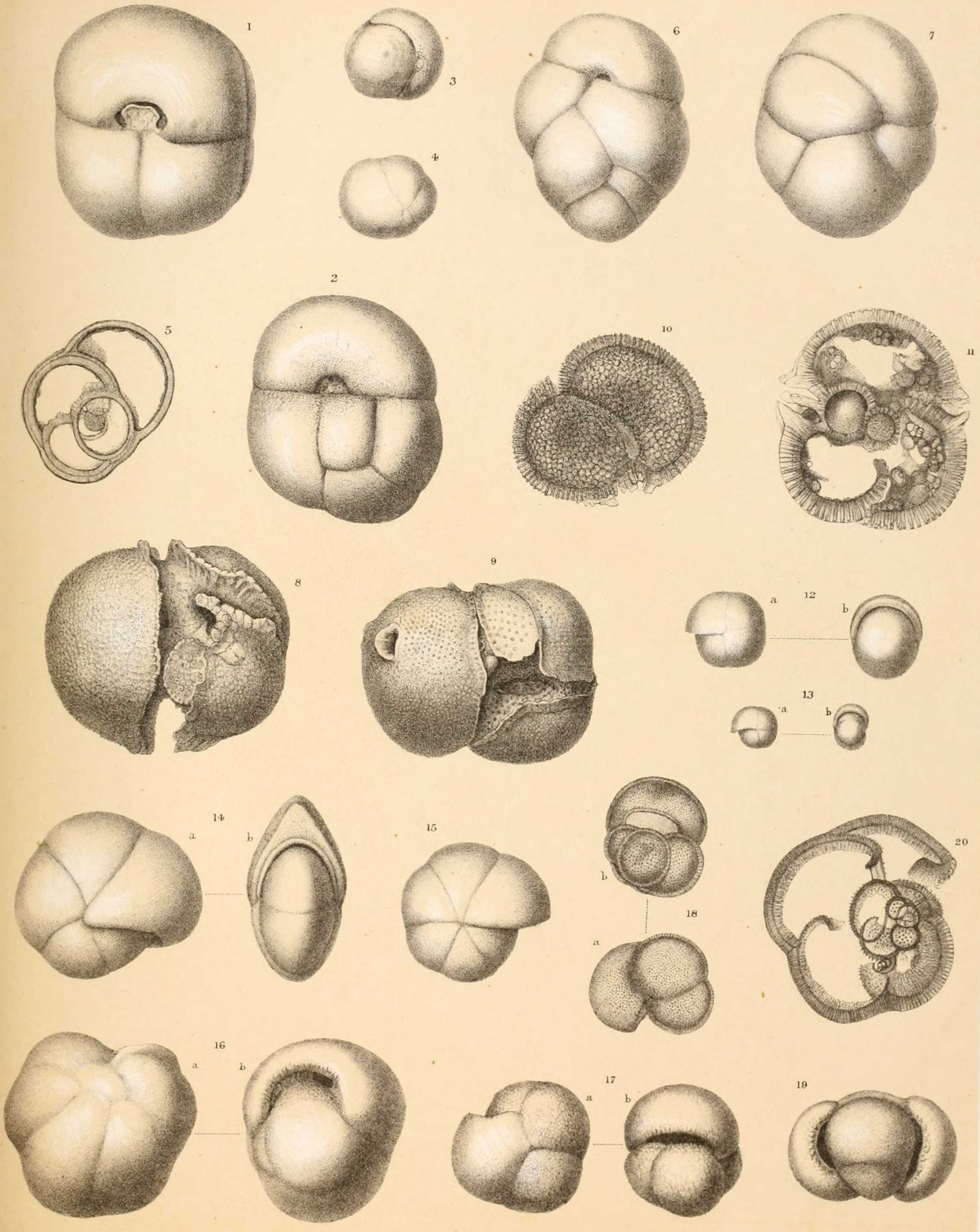
Hanhart imp.

PLATE LXXXIV.

PLATE LXXXIV.

SPHÆROIDINA.—PULLENIA.

	Diam.	Page
Figures 1-7.— <i>Sphæroidina bulloides</i> , d'Orbigny, . . . Figs. 1-4, 6, 7. Specimens of various forms, in different aspects. Fig. 5. Section of the shell, showing the laminated condition of the walls.	× 50	620
„ 8-11.— <i>Sphæroidina dehiscens</i> , Parker and Jones, . . . Figs. 8, 9. Bottom specimens. Fig. 10. Surface specimen. Fig. 11. Section of the shell, showing the thickness of the walls and their coarse tubulation.	× 50	621
„ 12, 13.— <i>Pullenia sphaeroides</i> , d'Orbigny, sp., . . . <i>a, a</i> , Lateral aspect; <i>b, b</i> , peripheral aspect.	× 50	615
„ 14, 15.— <i>Pullenia quinqueloba</i> , Reuss, Figs. 14 <i>a</i> , 15. Lateral aspect; fig. 14 <i>b</i> , peripheral aspect.	× 50	617
„ 16-20.— <i>Pullenia obliquiloculata</i> , Parker and Jones, . . . Figs. 16, 17. Bottom specimens. <i>a, a</i> , Lateral aspect <i>b, b</i> , peripheral aspect. Fig. 18. Surface specimen. Fig. 19. Monstrous example, isomorphous with <i>Globigerina helicina</i> . Fig. 20. Section of the shell, showing the thickness and tubulation of the walls, and the infolding of the superior margin of the septal apertures.	× 50	618



A. Hollick ad nat. del. et lith.

SPHÆROIDINA — PULLENIA.

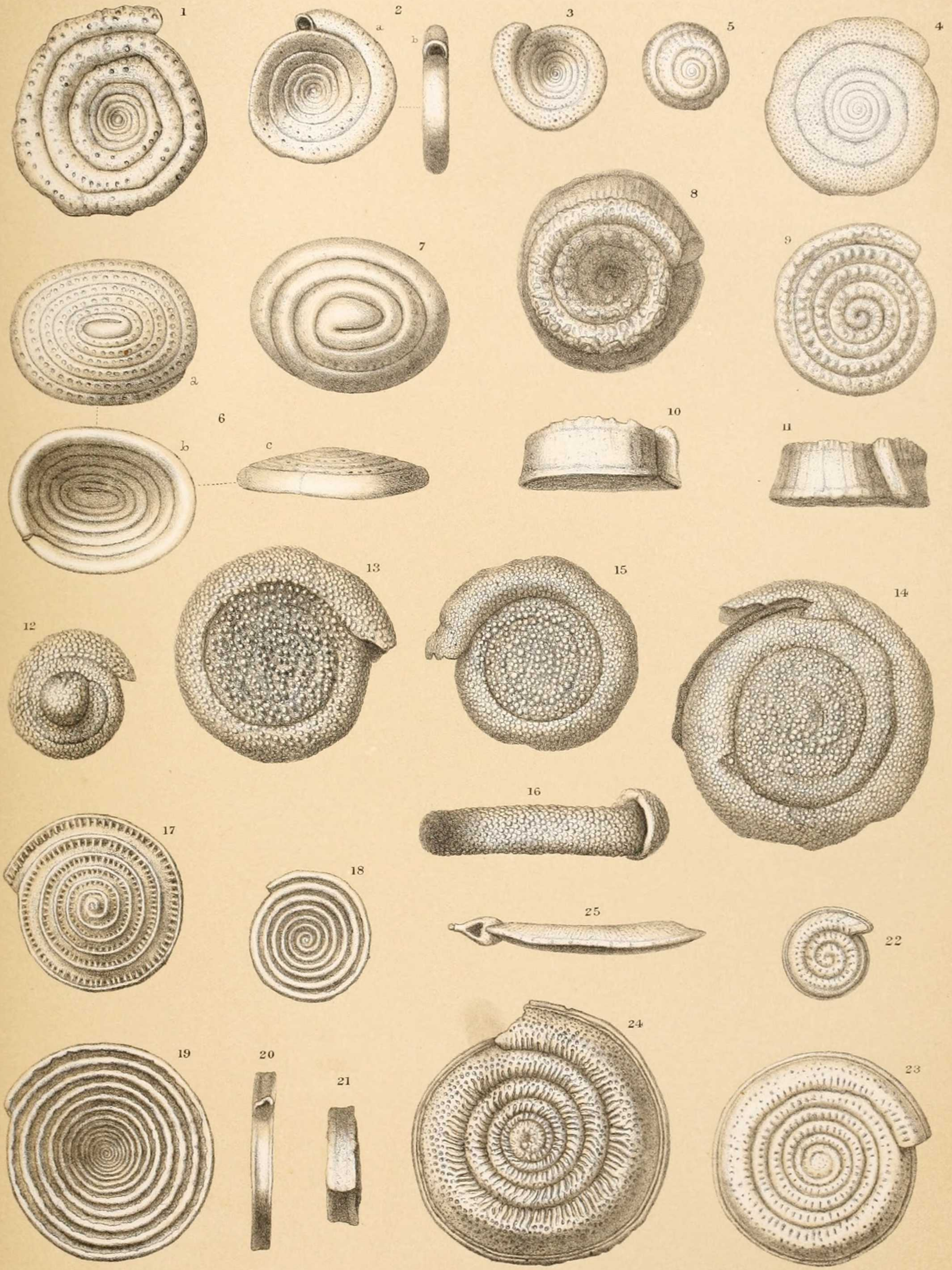
Hanhart imp.

PLATE LXXXV.

PLATE LXXXV.

SPIRILLINA.

	Diam.	Page
Figures 1-5.— <i>Spirillina vivipara</i> , Ehrenberg, Figs. 1, 2 <i>a</i> , 3-5. Lateral aspect; fig. 2 <i>b</i> , peripheral aspect.	× 100	630
„ 6, 7.— <i>Spirillina obconica</i> , Brady, Figs. 6 <i>a</i> , 7. Superior lateral aspect; fig. 6 <i>b</i> , inferior aspect; fig. 6 <i>c</i> , peripheral aspect.	× 120	630
„ 8-11.— <i>Spirillina inæqualis</i> , Brady, Fig. 8. Superior aspect; fig. 9, inferior aspect; figs. 10, 11, peripheral aspect.	× 120	631
„ 12-16.— <i>Spirillina tuberculata</i> , Brady, Fig. 12. Young specimen, lateral aspect, × 50 Figs. 13, 15. Adult specimens, lateral aspect, × 50 Fig. 14. Large example. The partially broken shell exposing a thread of nearly black dried sarcode, × 45 Fig. 16. Peripheral aspect, × 45		631
„ 17.— <i>Spirillina limbata</i> , var. <i>denticulata</i> , nov., Lateral aspect.	× 50	632
„ 18-21.— <i>Spirillina limbata</i> , Brady, Fig. 18. Lateral aspect; fig. 21, peripheral aspect, × 60 Fig. 19. Lateral aspect; fig. 20, peripheral aspect, × 50		632
„ 22-25.— <i>Spirillina decorata</i> , n. sp., Figs. 22-24. Lateral aspect; fig. 25, peripheral aspect.	× 50	633



Al. Hollick ad nat. del. et lith.

SPIRILLINA.

Hanhart imp.

PLATE LXXXVI.

PLATE LXXXVI.

PATELLINA.—DISCORBINA.

	Diam.	Page
Figures 1-7.— <i>Patellina corrugata</i> , Williamson,		634
Figs. 1-3. Superior aspect; figs. 4, 5, inferior aspect,	×	120
Figs. 6, 7. Peripheral aspect (small specimens),	×	150
„ 8, 13.— <i>Discorbina globularis</i> , d'Orbigny, sp.,		643
Fig. 8. <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peri- pheral aspect,	×	75
Fig. 13. <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peri- pheral aspect,	×	50
„ 9, 12.— <i>Discorbina vilardeboana</i> , d'Orbigny, sp.,	×	75
<i>a,a</i> , Superior aspect; <i>b,b</i> , inferior aspect; <i>c,c</i> , peri- pheral aspect.		645
„ 10, 11.— <i>Discorbina araucana</i> , d'Orbigny, sp.,	×	75-90
<i>a,a</i> , Superior aspect; <i>b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect.		645

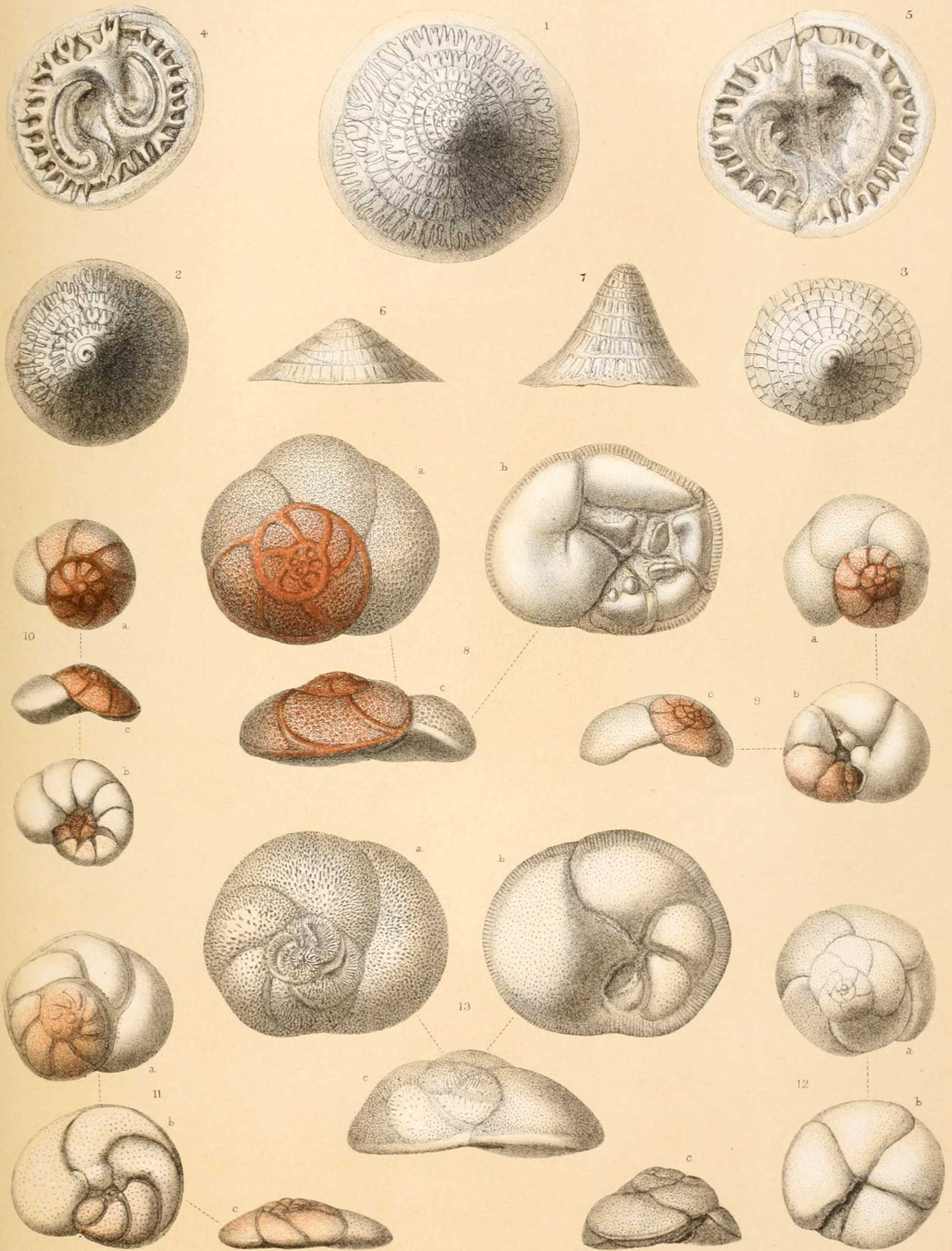


PLATE LXXXVII.

PLATE LXXXVII.

DISCORBINA.

	Diam.	Page
Figures 1, 4.— <i>Discorbina rosacea</i> , d'Orbigny, sp., . . . . .	.	644
Fig. 1. <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect,	× 100	
Fig. 4. <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect,	× 50	
„ 2.— <i>Discorbina vesicularis</i> , Lamarck, sp.,	× 35	651
<i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.		
„ 3.— <i>Discorbina rugosa</i> , d'Orbigny, sp.,	× 60	652
<i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.		
„ 5–7.— <i>Discorbina valvulata</i> , d'Orbigny, sp., . . . . .	.	644
Fig. 5. <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect,	× 75	
Figs. 6, 7. Small adherent specimens,	× 100	
„ 8.— <i>Discorbina turbo</i> , d'Orbigny, sp.,	× 60	642
<i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.		

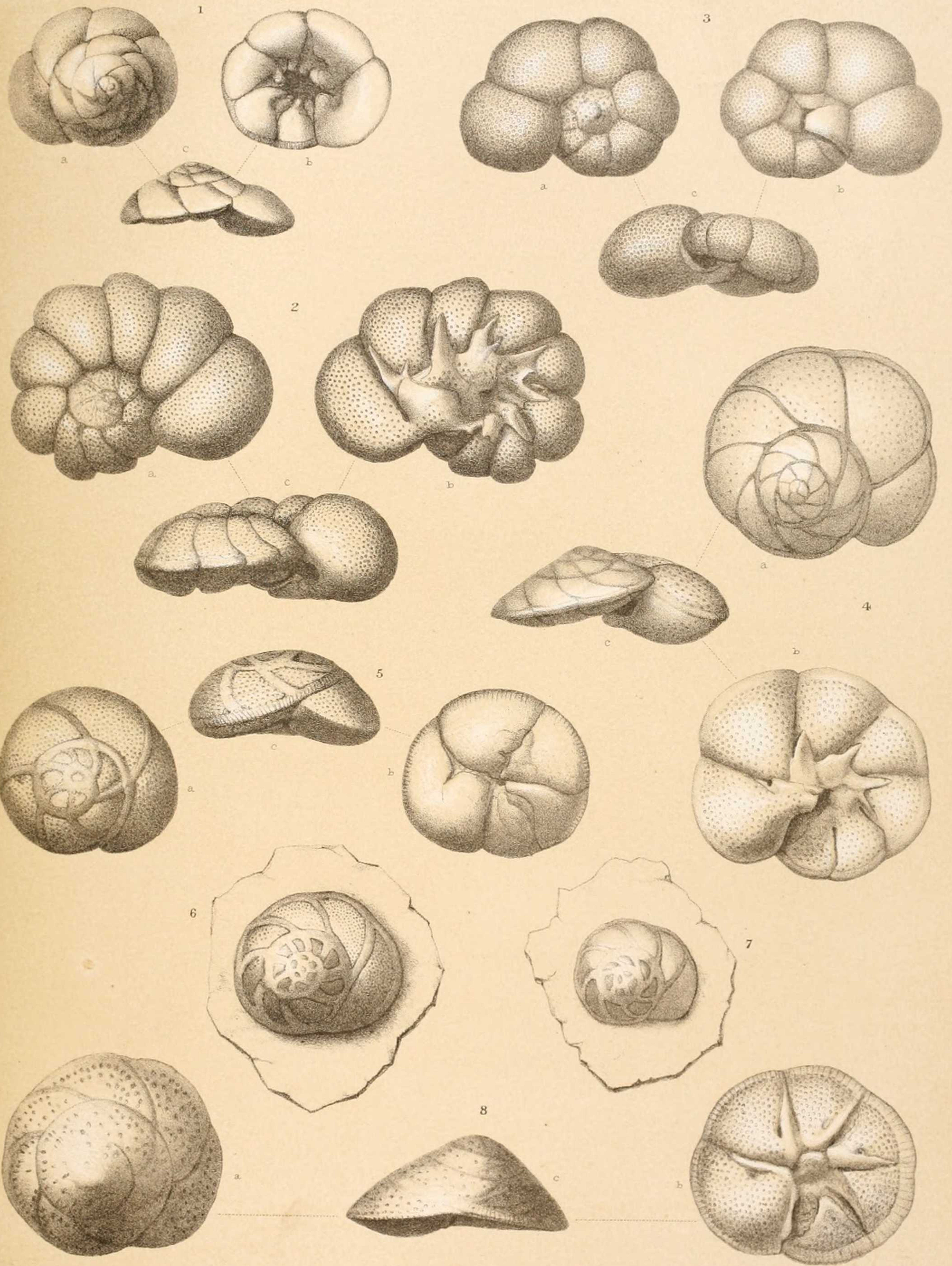
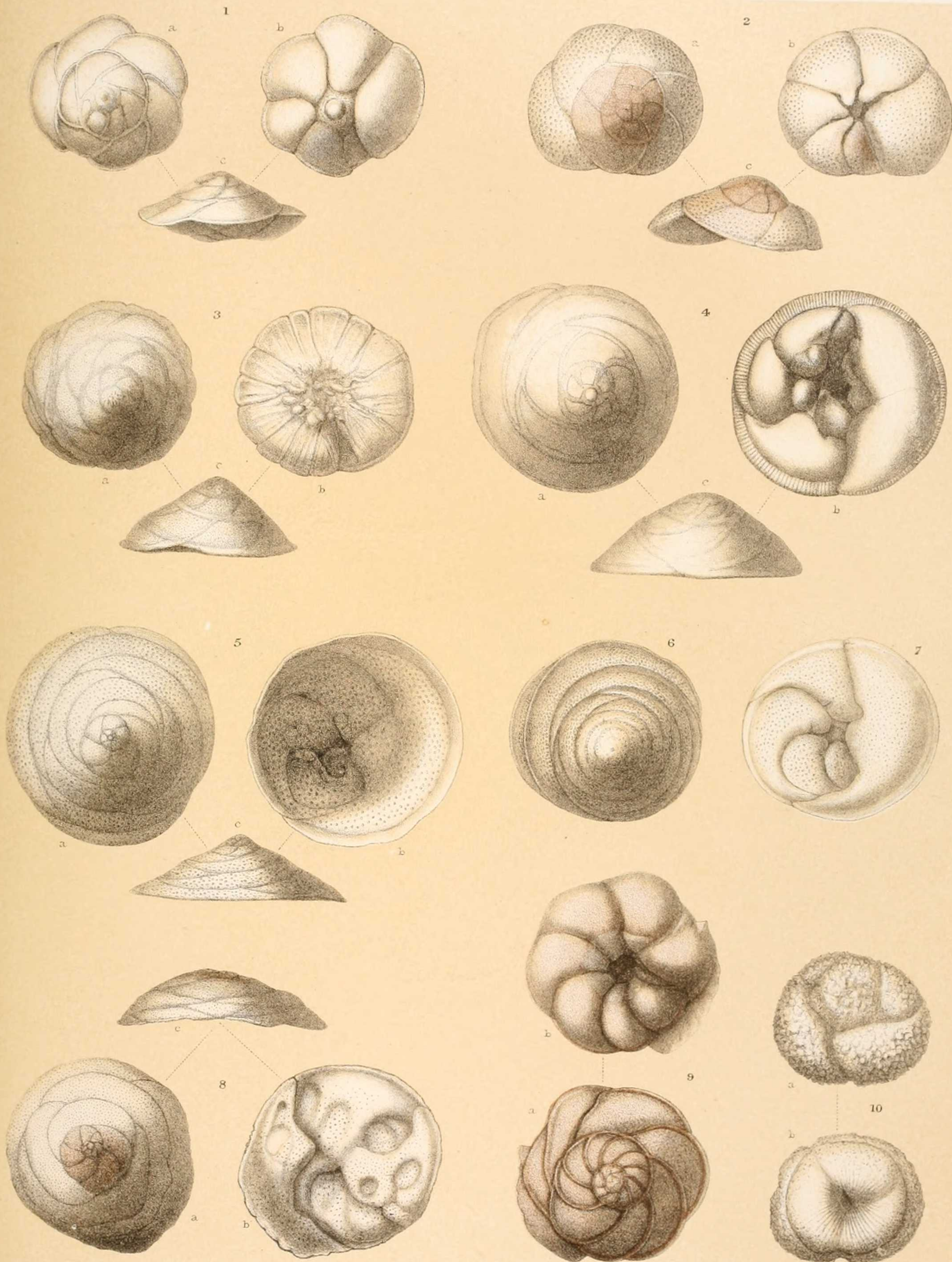


PLATE LXXXVIII.

PLATE LXXXVIII.

DISCORBINA.

Figure		Diám.	Page
1.—	<i>Discorbina isabelleana</i> , d'Orbigny, sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 100	646
„ 2.—	<i>Discorbina vilardeboana</i> , d'Orbigny, sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 100	645
„ 3.—	<i>Discorbina patelliformis</i> , n. sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 100	647
„ 4–8.—	<i>Discorbina orbicularis</i> , Terquem, sp., Figs. 4 <i>a</i> , 5 <i>a</i> , 6, 8 <i>a</i> . Superior aspect; figs. 4 <i>b</i> , 5 <i>b</i> , 7, 8 <i>b</i> , inferior aspect; figs. 4 <i>c</i> , 5 <i>c</i> , 8 <i>c</i> , peripheral aspect. Fig. 4, × 90 diam.; fig. 5, × 100 diam.; fig. 6, × 50 diam.; fig. 7, × 75 diam.; fig. 8, × 60 diam.	.	647
„ 9.—	<i>Discorbina eximia</i> , Hantken, <i>a</i> , Superior aspect; <i>b</i> , inferior aspect.	× 50	646
„ 10.—	<i>Discorbina pulvinata</i> , n. sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect.	× 100	650



A. T. Hollick ad. nat. del. et lith.

DISCORBINA.

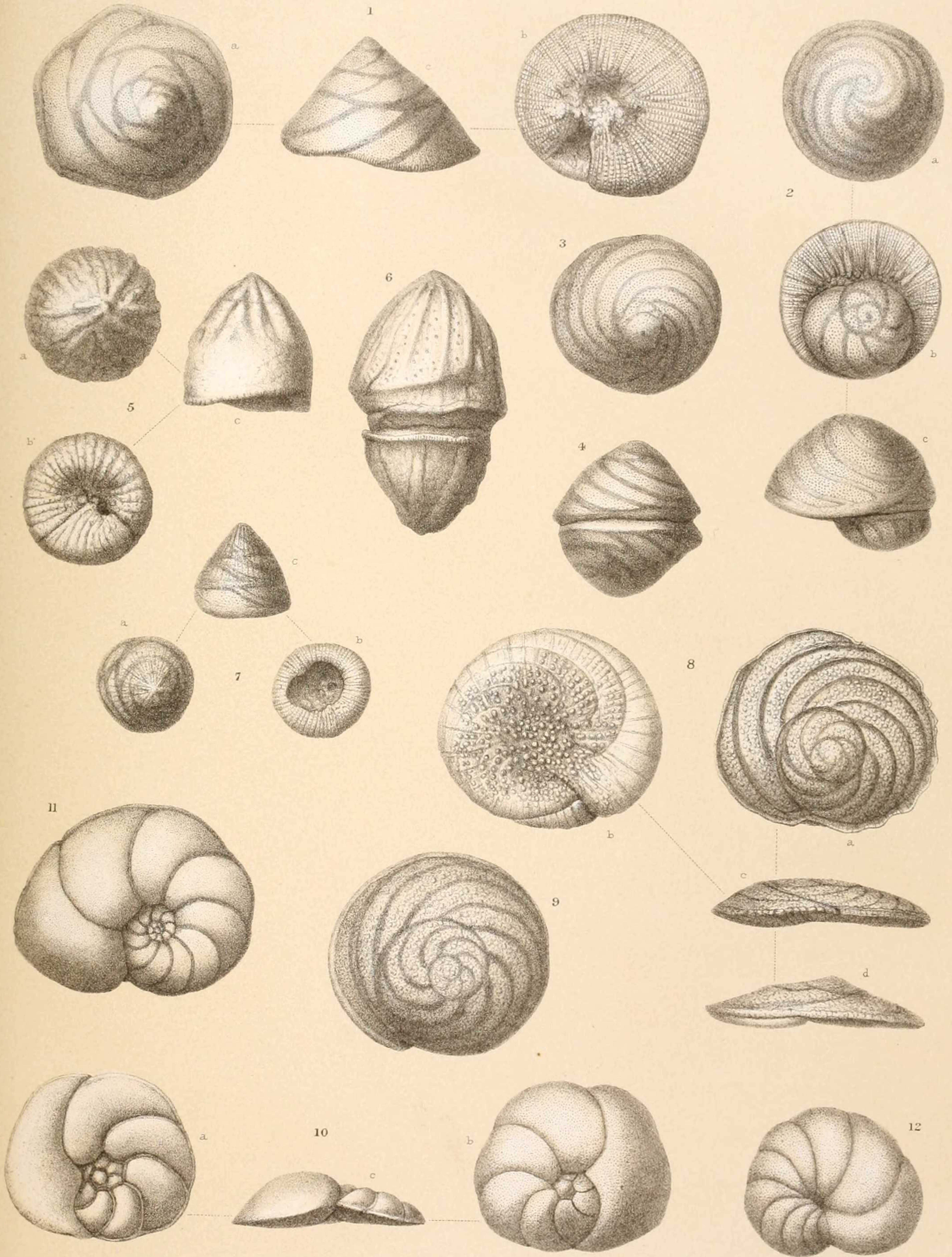
Hanhart imp.

PLATE LXXXIX.

PLATE LXXXIX.

DISCORBINA.

		Diam.	Page
Figure	1.— <i>Discorbina patelliformis</i> , n. sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 100	647
„	2-4.— <i>Discorbina pileolus</i> , d'Orbigny, sp., Figs. 2 <i>a</i> , 3. Superior aspect; fig. 2 <i>b</i> , inferior aspect; figs. 2 <i>c</i> , 4, peripheral aspect. Fig. 2, 4. Double specimens.	× 100	649
„	5-7.— <i>Discorbina tabernacularis</i> , Brady, Figs. 5 <i>a</i> , 7 <i>a</i> . Superior aspect; figs. 5 <i>b</i> , 7 <i>b</i> , inferior aspect; figs. 5 <i>c</i> , 7 <i>c</i> , peripheral aspect. Fig. 6. Double specimen.	× 100	648
„	8, 9.— <i>Discorbina opercularis</i> , d'Orbigny, sp., Figs. 8 <i>a</i> , 9. Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , <i>d</i> , peripheral aspect.	× 100	650
„	10-12.— <i>Discorbina bertheloti</i> , d'Orbigny, sp., Fig. 10 <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect, Fig. 11. Superior aspect, Fig. 12. Inferior aspect,	. . . × 90 × 60 × 100	. . . 650



DISCORBINA.

Hanhart imp.

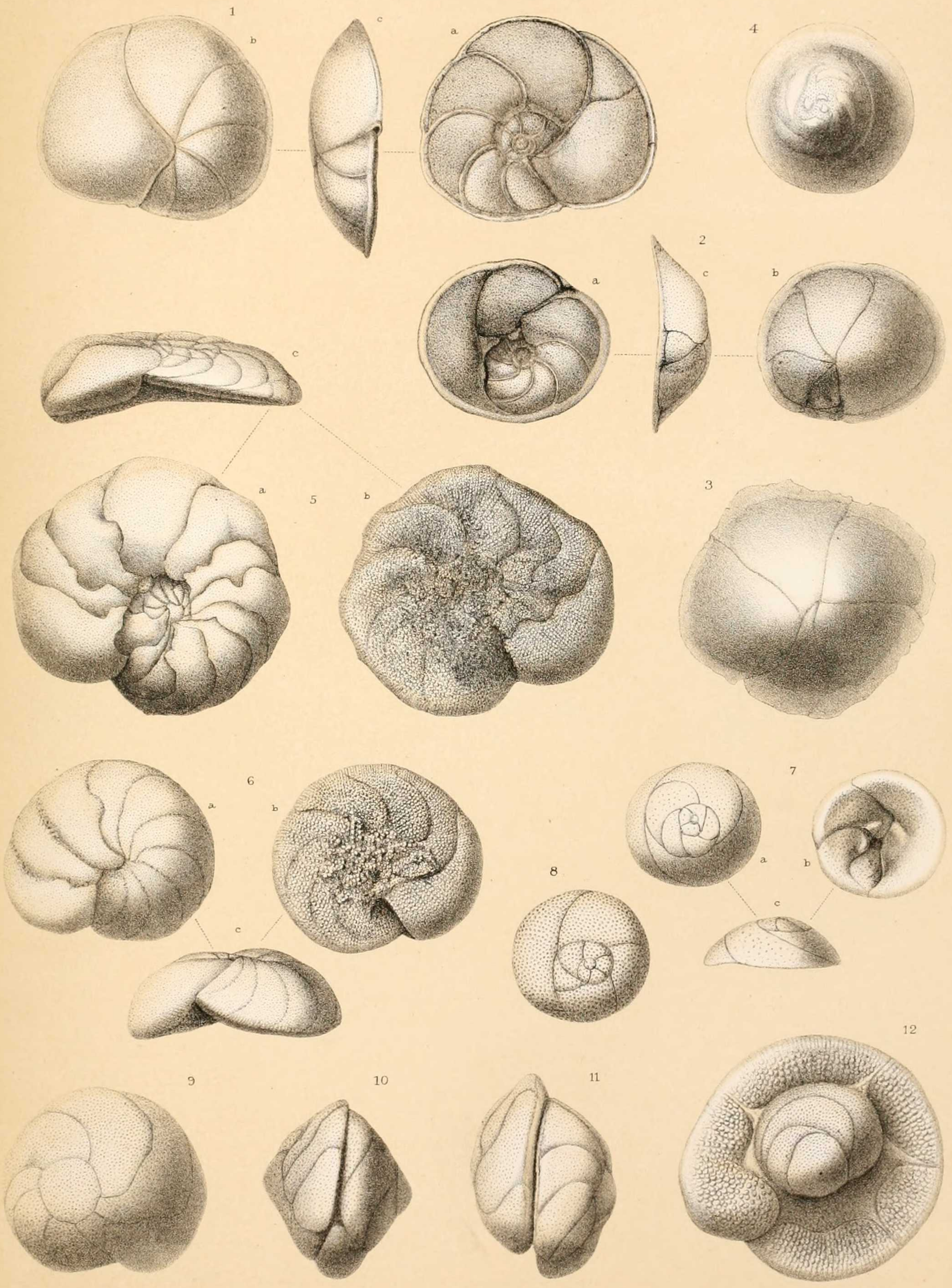
A. T. Hollick ad nat. del. et lith.

PLATE XC.

PLATE XC.

DISCORBINA.

	Diam.	Page
<p>Figure 1.—<i>Discorbina bertheloti</i>, var. <i>baconica</i>, Hantken, var., <i>a</i>, Superior aspect; <i>b</i>, inferior aspect; <i>c</i>, peripheral aspect.</p>	<p>× 75</p>	<p>651</p>
<p>„ 2, 3.—<i>Discorbina rarescens</i>, Fig. 2 <i>a</i>. Superior aspect; figs. 2 <i>b</i>, 3, inferior aspect; fig. 2 <i>c</i>, peripheral aspect.</p>	<p>× 75</p>	<p>651</p>
<p>„ 4.—<i>Discorbina</i>,—carinate form possibly related to the last-named species,</p>	<p>× 100</p>	<p>651</p>
<p>„ 5, 6, 9–12.—<i>Discorbina parisiensis</i>, d'Orbigny, sp., Figs. 5 <i>a</i>, 6 <i>a</i>, 9, Superior aspect; figs. 5 <i>b</i>, 6 <i>b</i>, inferior aspect; figs. 5 <i>c</i>, 6 <i>c</i>, peripheral aspect. Figs. 10–12, Double specimens. Figs. 5, 6, × 40 diam.; figs. 9, 12, × 90 diam.; figs. 10, 11,</p>	<p>. × 100</p>	<p>648</p>
<p>„ 7, 8.—<i>Discorbina concinna</i>, n. sp., Figs. 7 <i>a</i>, 8. Superior aspect; <i>b</i>, inferior aspect; <i>c</i>, peri- pheral aspect.</p>	<p>× 100</p>	<p>646</p>



AT Hollick ad nat. del. et lith.

DISCORBINA.

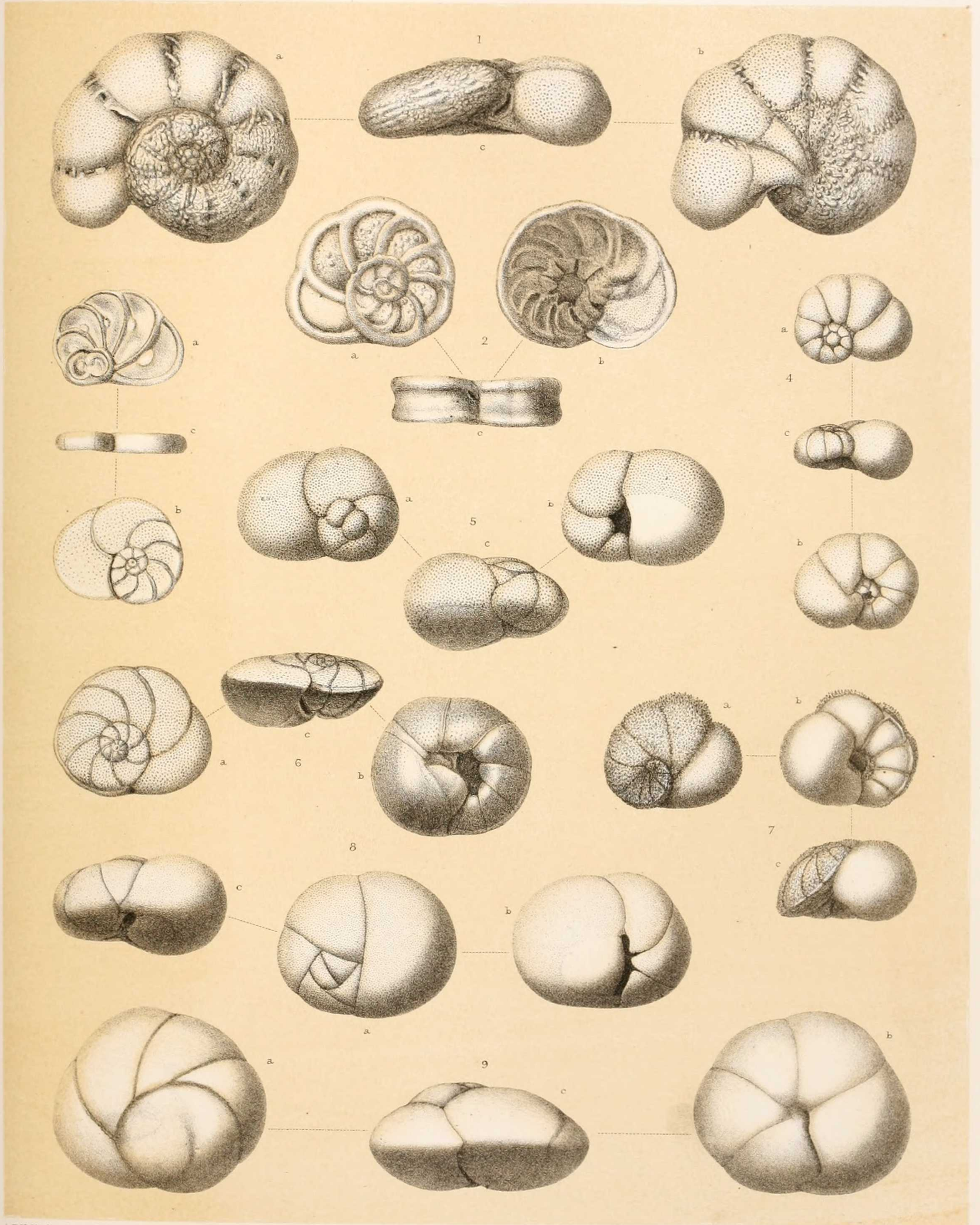
Hanhart imp

PLATE XCI.

PLATE XCI.

DISCORBINA.

		Diam.	Page
Figure 1.— <i>Discorbina polystomelloides</i> , Parker and Jones,	×	30	652
<i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.			
„ 2, 3.— <i>Discorbina biconcava</i> , Parker and Jones,	×	60	653
Figs. 2 <i>a</i> , 3 <i>b</i> , Superior aspect; figs. 2 <i>b</i> , 3 <i>a</i> , inferior aspect; 2 <i>c</i> , 3 <i>c</i> , peripheral aspect.			
„ 4.— <i>Discorbina rugosa</i> , d'Orbigny, sp.,	×	90	652
<i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.			
„ 5, 8.— <i>Discorbina allomorphinoides</i> , Reuss, sp.,			654
Fig. 5. <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect,	×	100	
Fig. 8. <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect,	×	50	
„ 6.— <i>Discorbina sauleii</i> , d'Orbigny, sp.,	×	50	653
<i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.			
„ 7.— <i>Discorbina ventricosa</i> , n. sp.,	×	50	654
<i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.			
„ 9.— <i>Discorbina obtusa</i> (?), d'Orbigny, sp.,	×	50	644
<i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.			



A. T. Hollick, ad nat. del et lith.

DISCORBINA.

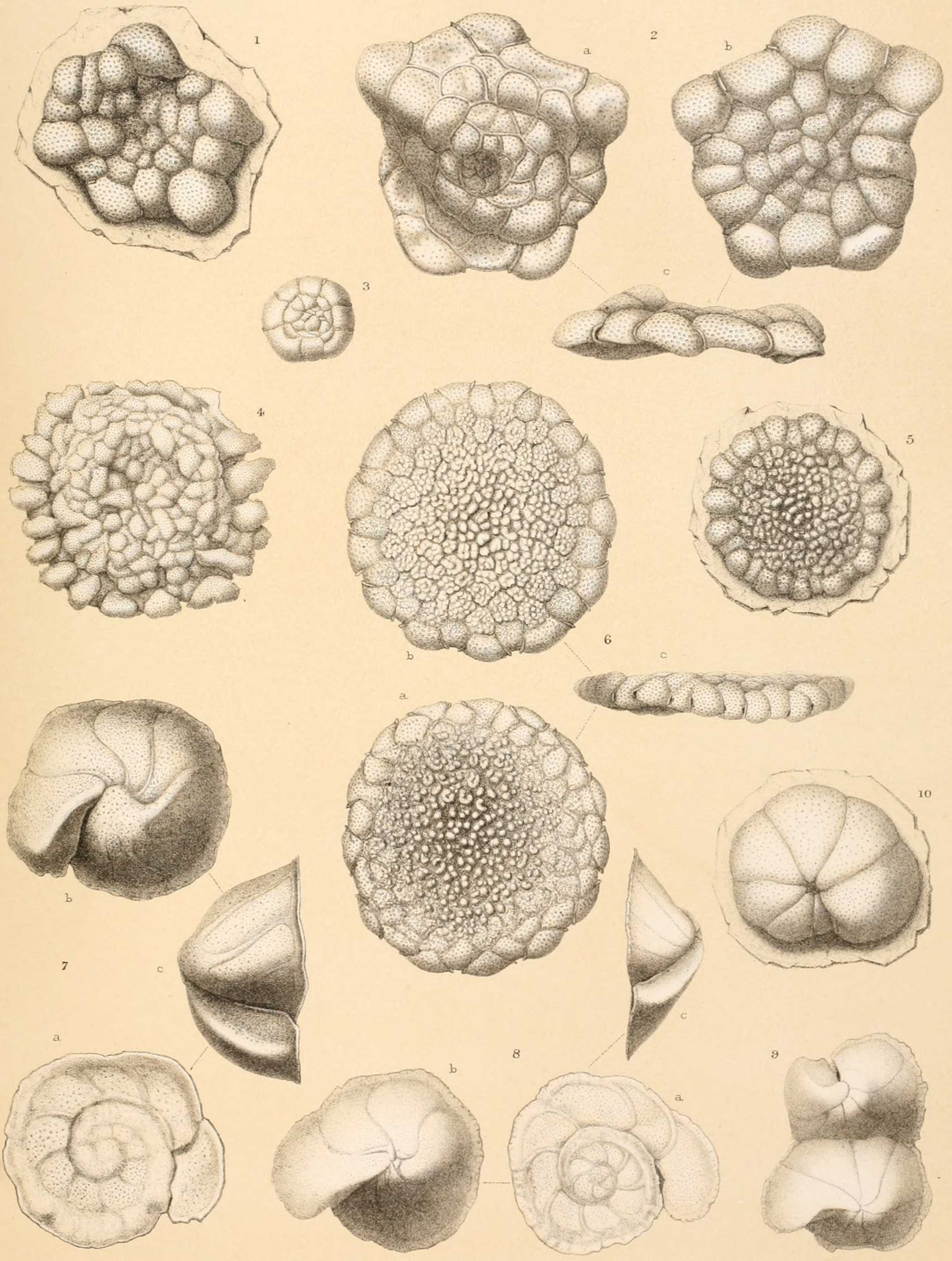
Hanhart imp.

PLATE XCII.

PLATE XCII.

PLANORBULINA.—TRUNCATULINA.

		Diam.	Page
Figures 1-3.— <i>Planorbulina mediterraneensis</i> , d'Orbigny, . Fig. 2 <i>a</i> , Superior (attached) lateral aspect; figs. 1, 2 <i>b</i> , 3, inferior (free) aspect; fig. 2 <i>c</i> , peripheral aspect.	×	35-45	656
„ 4.— <i>Planorbulina acervalis</i> , n. sp.,	×	35	657
„ 5, 6.— <i>Planorbulina larvata</i> , Parker and Jones, Fig. 5. Adherent specimen. Fig. 6. <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peri- pheral aspect.	×	35	658
„ 7-9.— <i>Truncatulina refulgens</i> , Montfort, sp., Figs. 7, 8. <i>a,a</i> , Superior aspect; <i>b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect. Fig. 9. Monstrous specimen.	×	30	659
„ 10.— <i>Truncatulina lobatula</i> , Walker and Jacob, sp., Small adherent specimen.	×	60	660



A. T. Hollick ad nat. del. et lith.

PLANORBULINA (Planorbulina Truncatulina).

Hanhart imp.

PLATE XCIII.

PLATE XCIII.

TRUNCATULINA.—ANOMALINA.

	Diam.	Page
Figures 1, 4, 5.— <i>Truncatulina lobatula</i> , Walker and Jacob, sp., .	.	660
Fig. 1. <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect, .	× 60	
Figs. 4, 5. Old thick-shelled specimens; inferior aspect,	× 40	
„ 2, 3.— <i>Truncatulina tenuimargo</i> , n. sp., .	× 60–100	662
<i>a,a</i> , Superior aspect; <i>b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect.		
„ 6, 7.— <i>Truncatulina variabilis</i> , d'Orbigny, .	× 50	661
„ 8, 9.— <i>Truncatulina wuellerstorfi</i> , Schwager, sp., .	× 50–60	662
<i>a,a</i> , Superior aspect; <i>b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect.		
„ 10, 11.— <i>Anomalina ariminensis</i> , d'Orbigny, sp., .	× 55–60	674
<i>a,a</i> , Superior aspect; <i>b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect.		

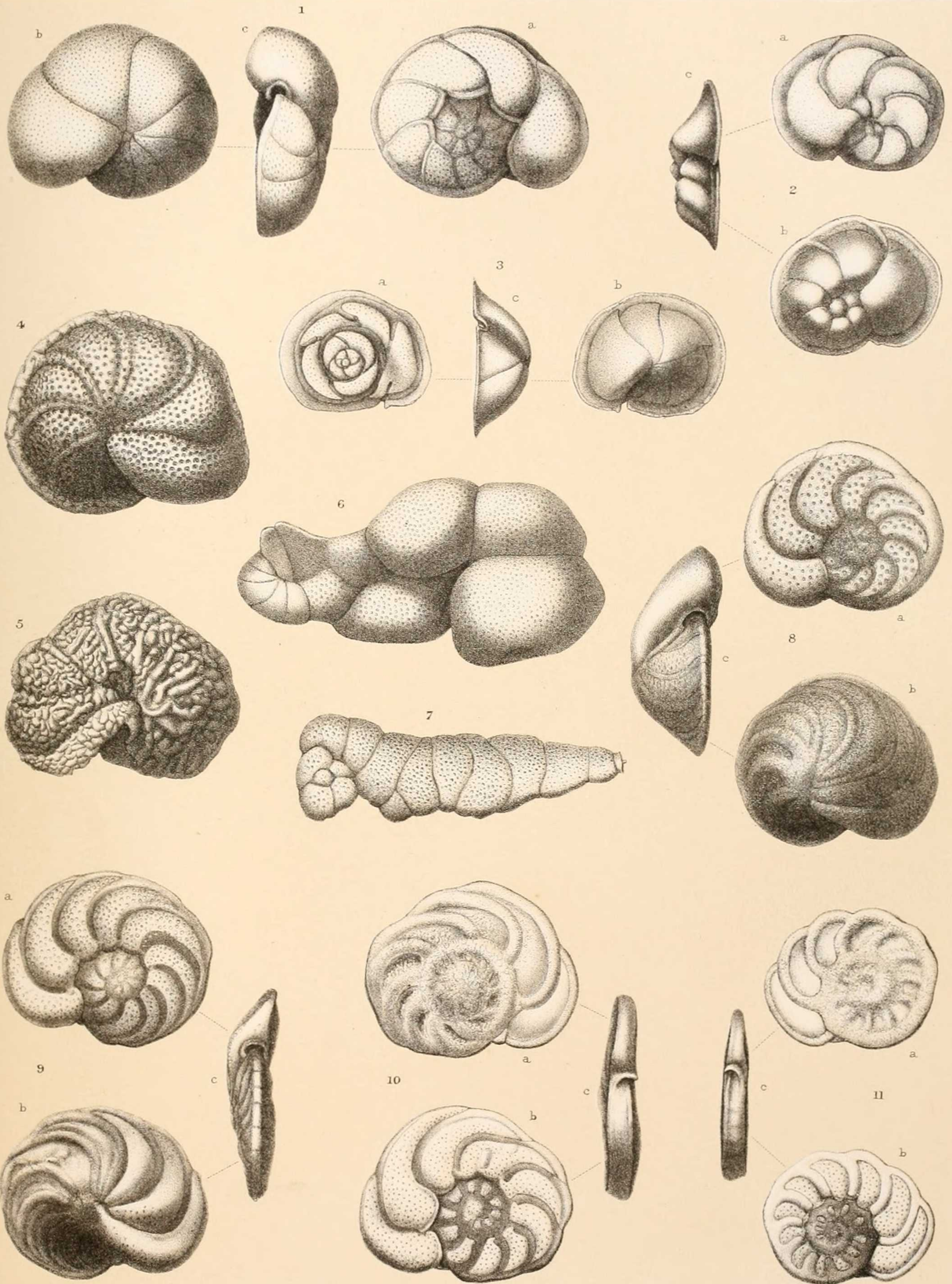


PLATE XCIV.

PLATE XCIV.

TRUNCATULINA.—ANOMALINA.

	Diam.	Page
Figure 1.— <i>Anomalina foveolata</i> , n. sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 60	674
„ 2, 3.— <i>Anomalina ammonoides</i> , Reuss, sp., Fig. 2, × 55 diam.;—fig. 3, <i>a,a</i> , Superior aspect; <i>b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect.	. . . . . × 90	672
„ 4, 5.— <i>Anomalina grosserugosa</i> , Gümbel, sp., <i>a,a</i> , Superior aspect; <i>b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect.	× 40–45	673
„ 6.— <i>Truncatulina rostrata</i> , Brady, <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 50	668
„ 7.— <i>Truncatulina humilis</i> , n. sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 100	665
„ 8.— <i>Truncatulina akneriana</i> , d'Orbigny, sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 45	663
„ 9.— <i>Truncatulina ungeriana</i> , d'Orbigny, sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 35	664

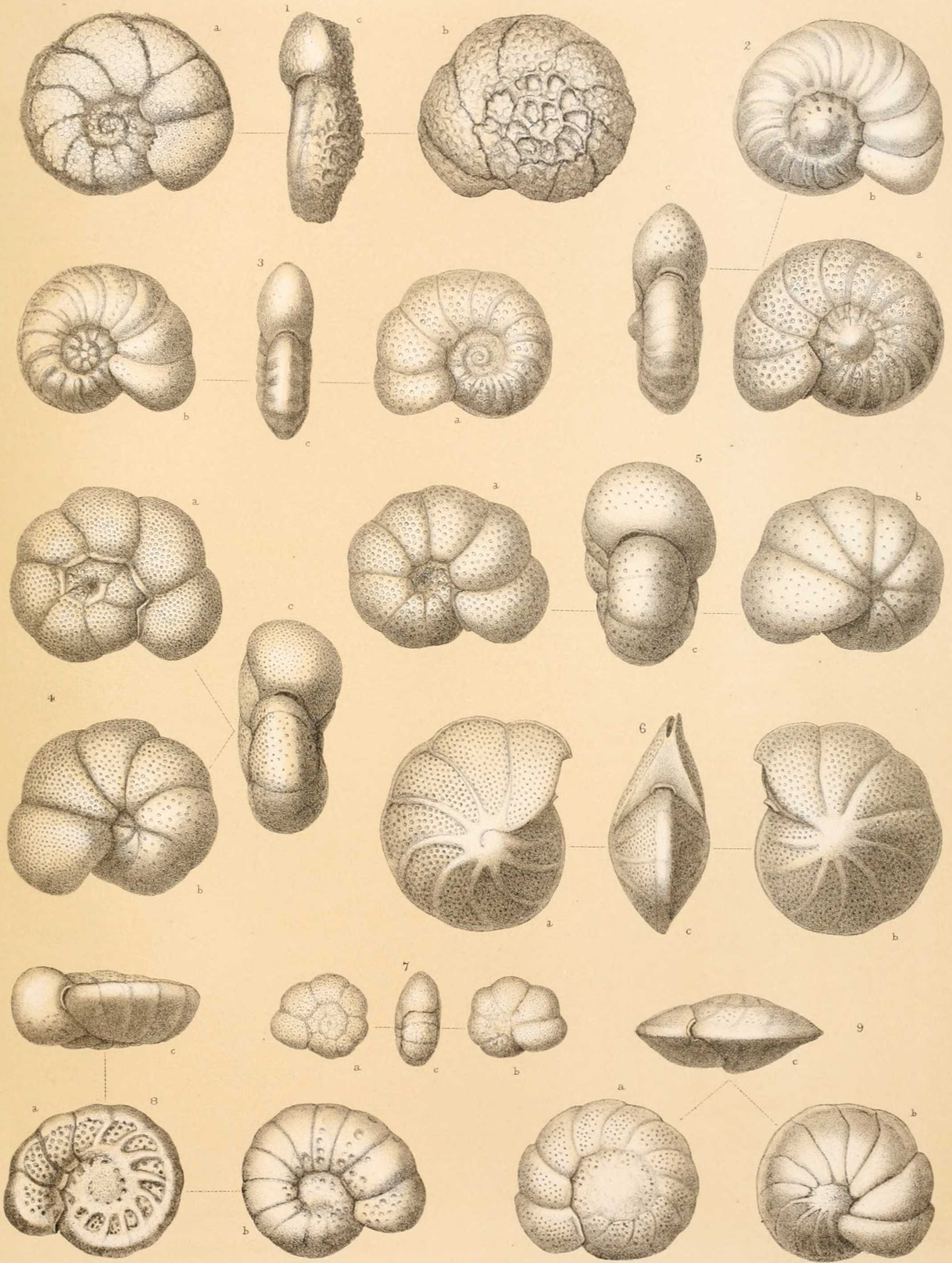
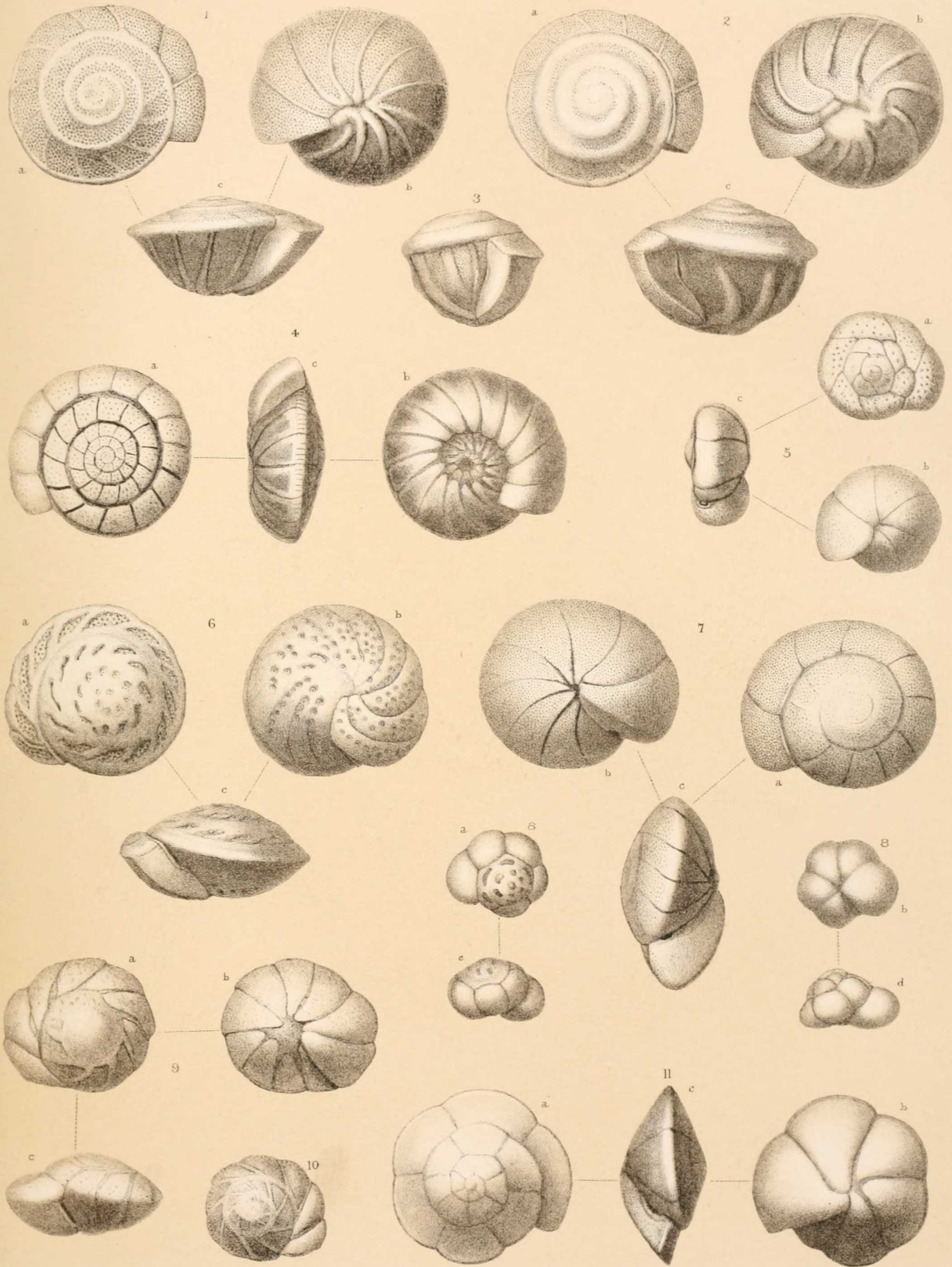


PLATE XCV.

PLATE XCV.

TRUNCATULINA.

			Diam.	Page
Figures	1-3.— <i>Truncatulina præcineta</i> , Karrer, sp.,			667
	Figs. 1, 2. <i>a,a</i> , Superior aspect; <i>b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect,	×	30	
	Fig. 3. Young specimen,	×	35	
„	4.— <i>Truncatulina robertsoniana</i> , Brady,	×	50	664
	<i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.			
„	5.— <i>Truncatulina dutemplei</i> , d'Orbigny, sp.,	×	60	665
	<i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.			
„	6.— <i>Truncatulina</i> , sp., intermediate form near <i>Trun-</i> <i>catulina haidingerii</i> , d'Orbigny, sp.,	×	40	
„	7.— <i>Truncatulina haidingerii</i> , d'Orbigny, sp.,	×	30	663
	<i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.			
„	8.— <i>Truncatulina tumidula</i> , n. sp.,	×	100	666
	<i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c,d</i> , peripheral aspect.			
„	9, 10.— <i>Truncatulina pygmaea</i> , Hantken,	×	60	666
	Figs. 9 <i>a</i> , 10. Superior aspect; fig. 9 <i>b</i> , inferior aspect; fig. 9 <i>c</i> , peripheral aspect.			
„	11.— <i>Truncatulina tenera</i> , n. sp.,	×	75	665
	<i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.			



A.T. Hollek ad nat. del. lith.

PLANORBULINA (Truncatulina.)

Hanhart imp.

PLATE XCVI.

PLATE XCVI.

TRUNCATULINA.

			Diam.	Page
Figure	1.— <i>Truncatulina rosea</i> , d'Orbigny, sp.,	x	70	667
	a, Superior aspect; b, inferior aspect; c, peripheral aspect.			
,,	2.— <i>Truncatulina margaritifera</i> , Brady,	x	28	667
	a, Superior aspect; b, inferior aspect; c, peripheral aspect.			
,,	3.— <i>Truncatulina culter</i> , Parker and Jones, sp.,	x	90	668
	a, Superior aspect; b, inferior aspect; c, peripheral aspect.			
,,	4.— <i>Truncatulina soluta</i> , Brady,	x	100	670
	a, Superior aspect; b, inferior aspect; c, peripheral aspect.			
,,	5-8.— <i>Truncatulina reticulata</i> , Czjzek, sp.,			669
	Figs. 5-7, x 100 diam.;—fig. 8,	x	70	
	Figs. 5 a, 8 a. Superior aspect; figs. 5 b, 6, 7, 8 b, inferior aspect; figs. 5 c, 8 c, peripheral aspect.			
,,	9-14.— <i>Truncatulina echinata</i> , Brady,	x	100	670
	Figs. 9-13. Specimens in various aspects.			
	Fig. 14. Transparent section of the test.			

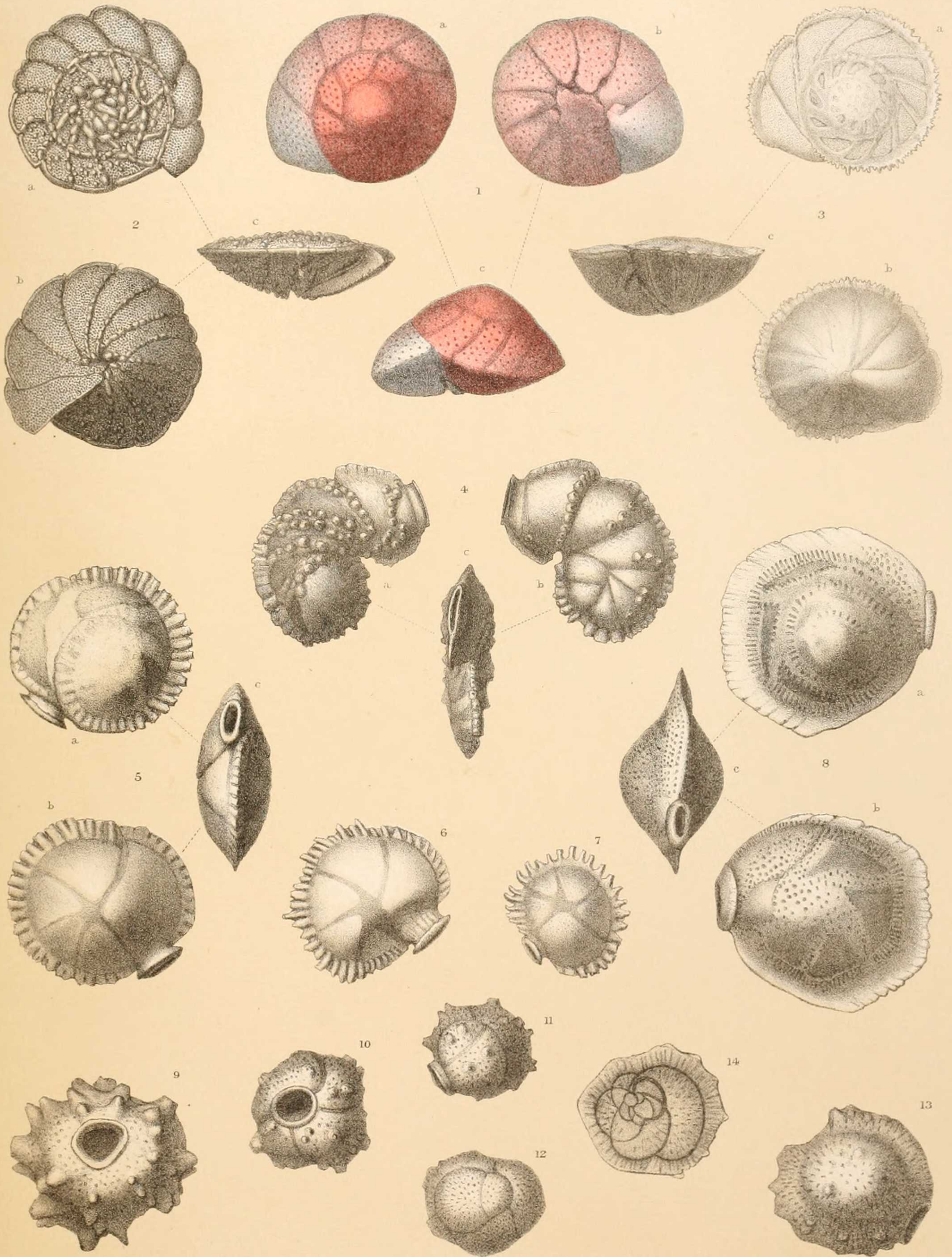


PLATE XCVII.

PLATE XCVII.

ANOMALINA.—CARPENTERIA.

		Diam.	Page
Figures 1, 2.— <i>Anomalina coronata</i> , Parker and Jones,			675
Fig. 1. <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect,	×	40	
Fig. 2. Peripheral aspect,	×	50	
„ 3-6.— <i>Anomalina polymorpha</i> , Costa,	×	35 - 45	676
Figs. 3-5. Lateral aspects; fig. 6, peripheral aspect.			
„ 7.— <i>Anomalina polymorpha</i> (?), Costa,	×	45	676
<i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.			
„ 8-14.— <i>Carpenteria proteiformis</i> , Goës,			679
Figs. 8-10. Lateral aspect,	×	15-17	
Fig. 11. Longitudinal section, not quite central; showing the arrangement of the segments and the thickness of the walls,	×	18	
Figs. 12-14. Portions of the surface of different specimens, more highly magnified,	×	50	
(Assigned in MS. to the allied genus <i>Rupertia</i> before the publication of Dr. Goës' description.)			

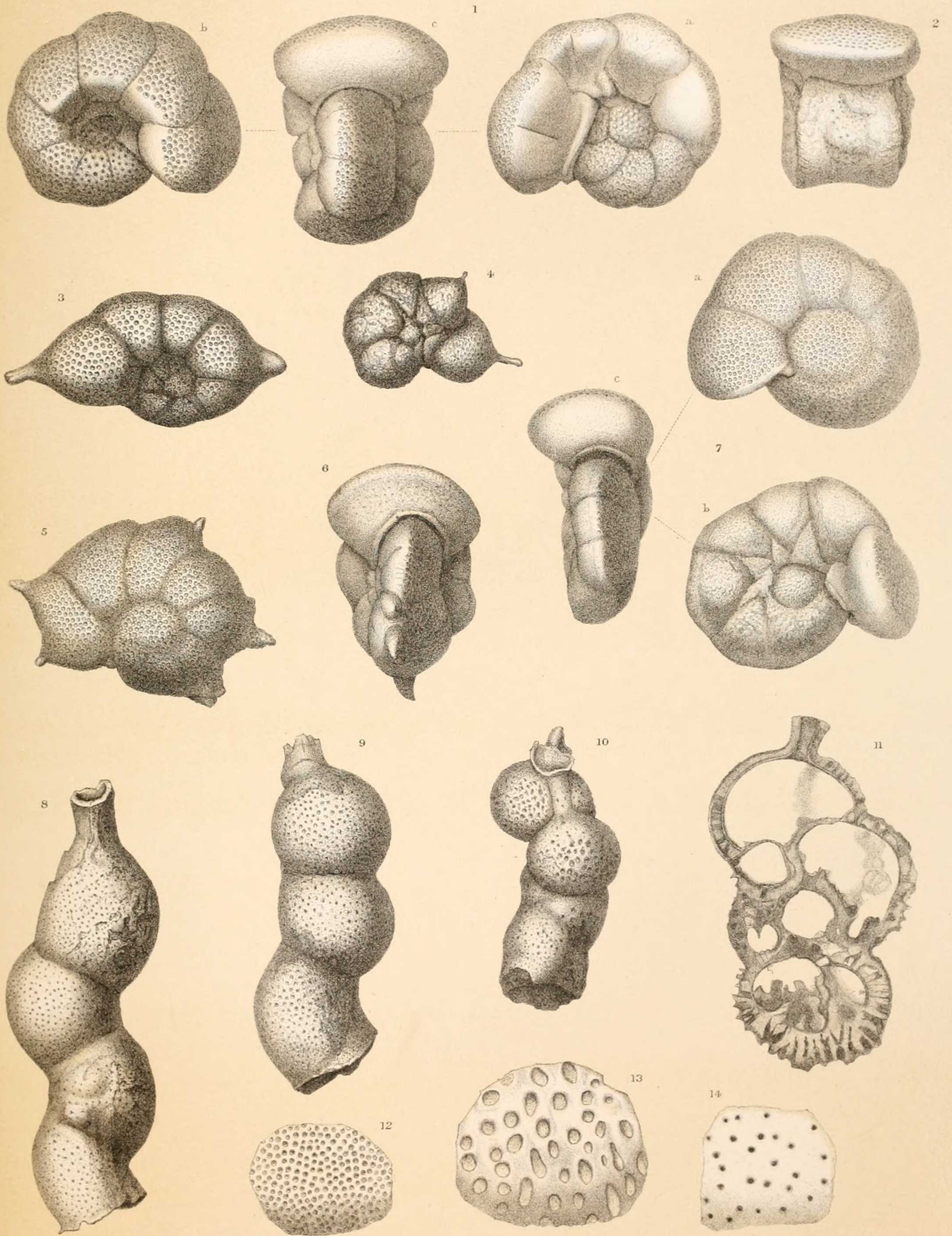


PLATE XCVIII.

PLATE XCVIII.

RUPERTIA.—CARPENTERIA.

	Diam	Page
Figures 1–12.— <i>Rupertia stabilis</i> , Wallich,	× 40	680
Figs. 1–6. Specimens in various conditions and stages of growth ; lateral aspect. Fig. 7. Monstrous specimen. Fig. 8. Base of the test; corresponding to the superior aspect of the Rotaliform shell. Fig. 9. Distal aspect of the test. Fig. 10. Specimen laid open longitudinally, to show the segmentation. Fig. 11. Specimen laid open transversely. Fig. 12. Longitudinal section, illustrating the general structure of the test.		
„ 13–17.—Young specimens of <i>Carpenteria</i> ,		677
Figs. 13, 15, 16 (<i>Carpenteria monticularis</i> ?),		
Figs. 14, 17 (<i>Carpenteria balaniformis</i> ?),		

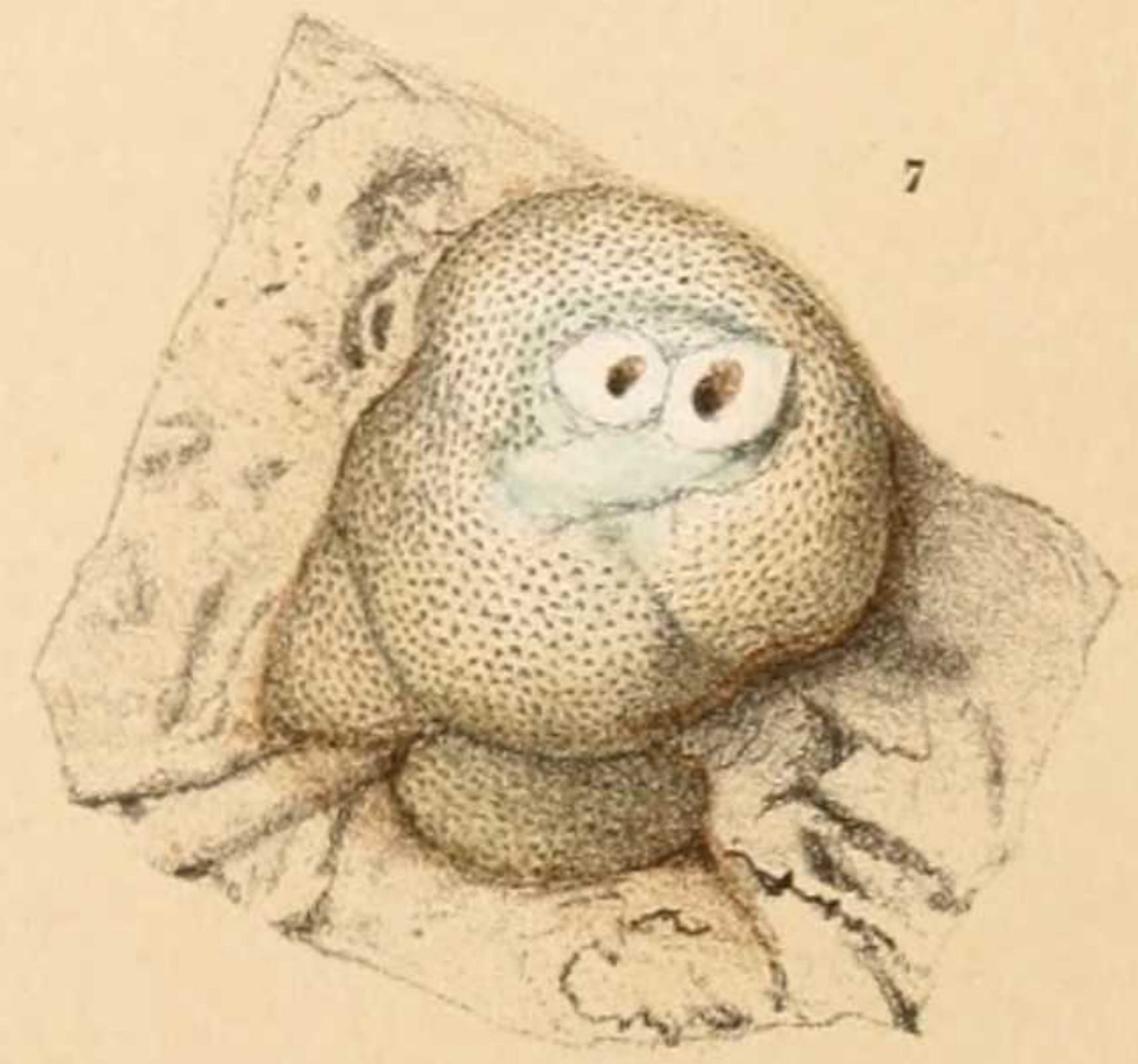
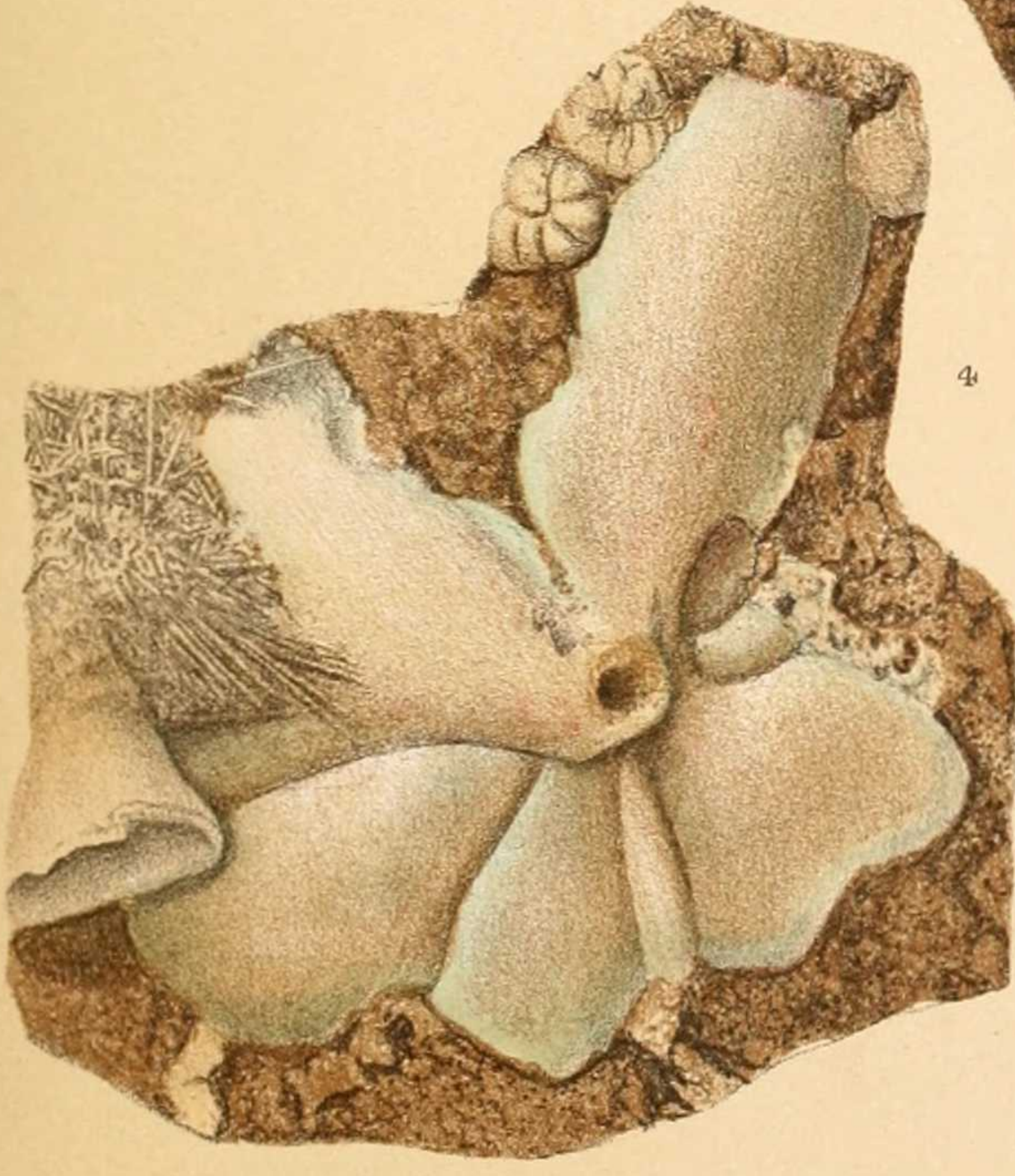
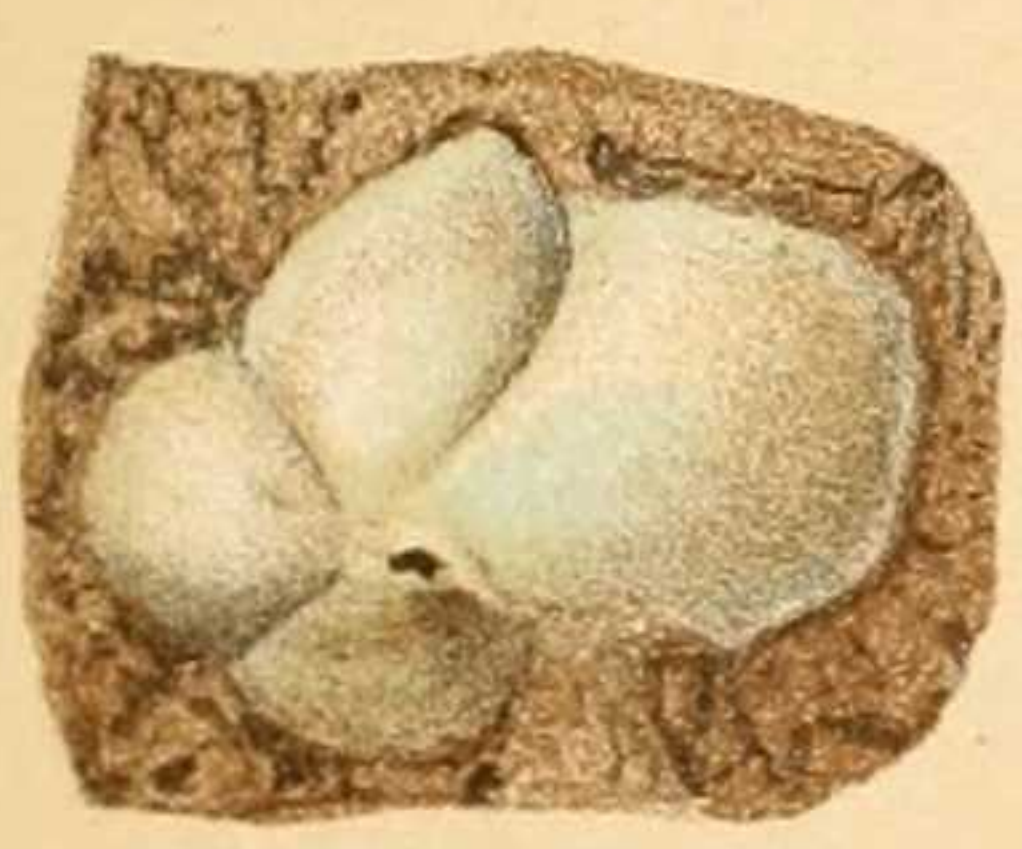
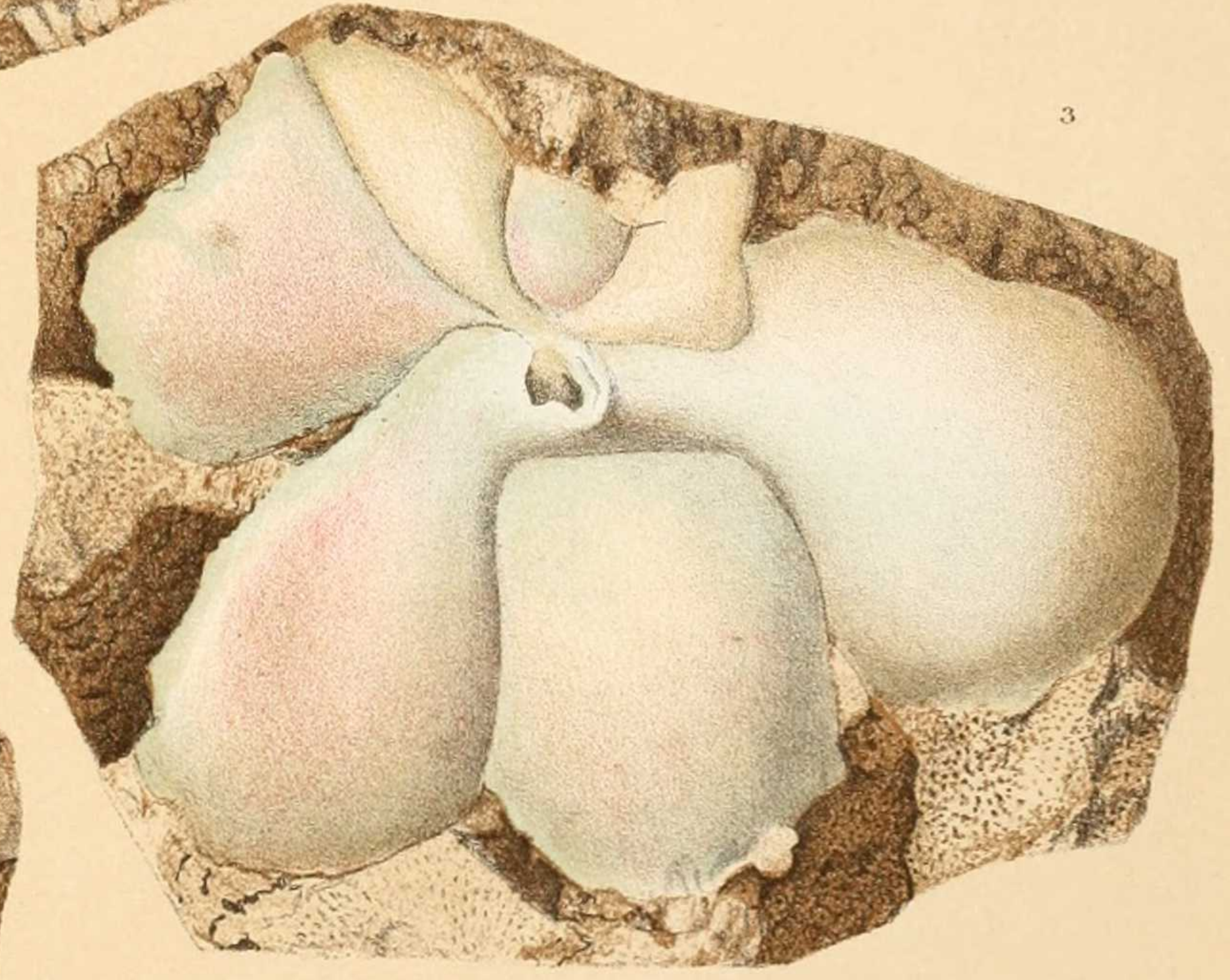
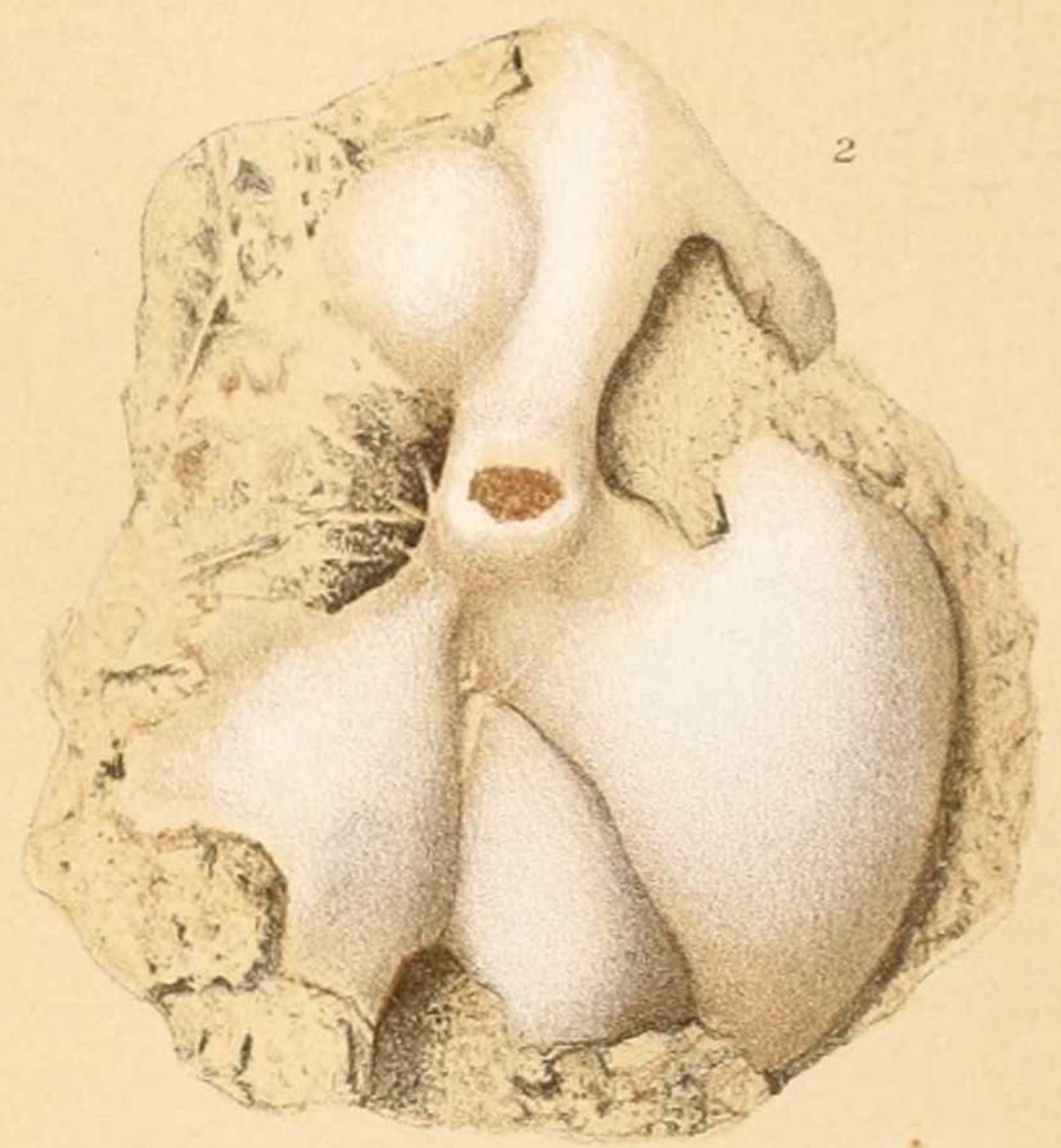
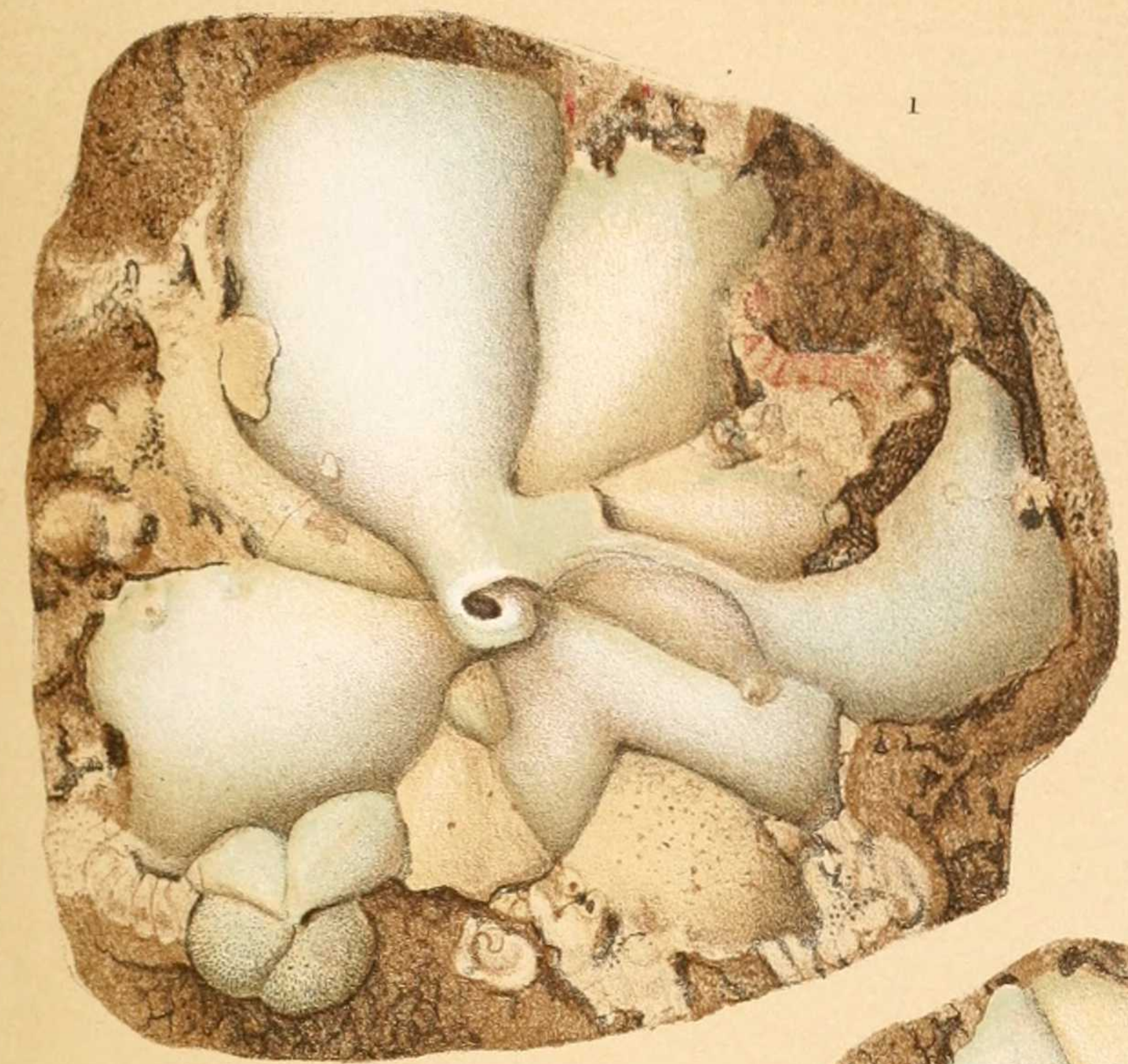


PLATE XCIX.

PLATE XCIX.

CARPENTERIA.

			Diam.	Page
Figures 1-5.—	<i>Carpenteria monticularis</i> , Carter,	.	×	677
	Fig. 5. Early stage of growth.	.	12	
„ 6, 7.—	<i>Carpenteria utricularis</i> , Carter,	.	×	678
	Early stages.	.	15	



T. Hollick ad nat. del. et lith.

CARPENTERIA.

Hanhart imp.

PLATE C.

PLATE C.

CARPENTERIA.—POLYTREMA.

		Diam.	Page
Figures 1-4.— <i>Carpenteria utricularis</i> , Carter,	×	15	678
Fig. 1. Early stage; figs. 2-4, adult specimens.			
„ 5-9.— <i>Polytrema miniaceum</i> , Linné, sp., . . . . .	.		721
Figs. 5-8. Specimens illustrating the general form and structure of the test,			
Fig. 9. Minute terminal branches with apertures,	×	50	

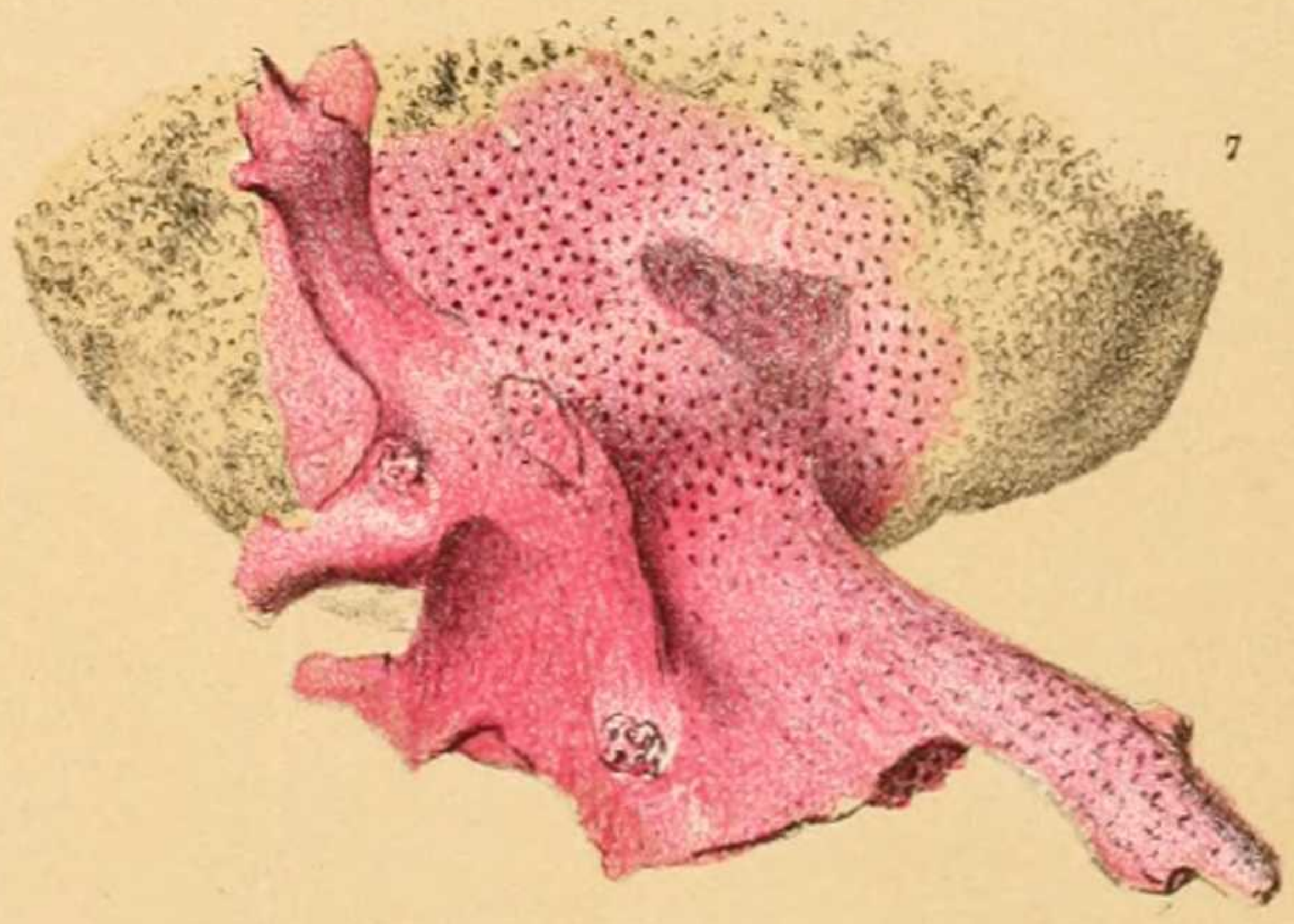
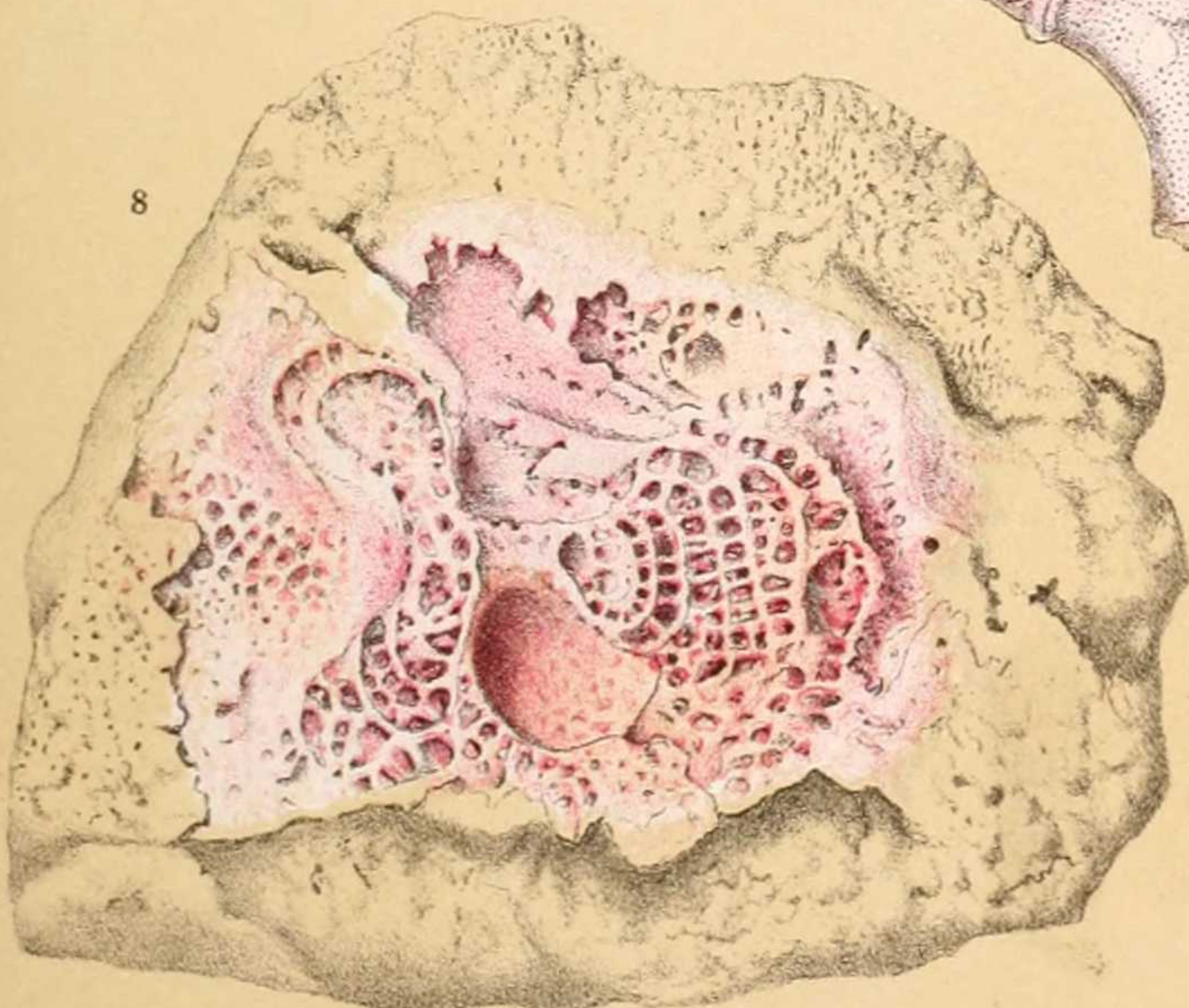
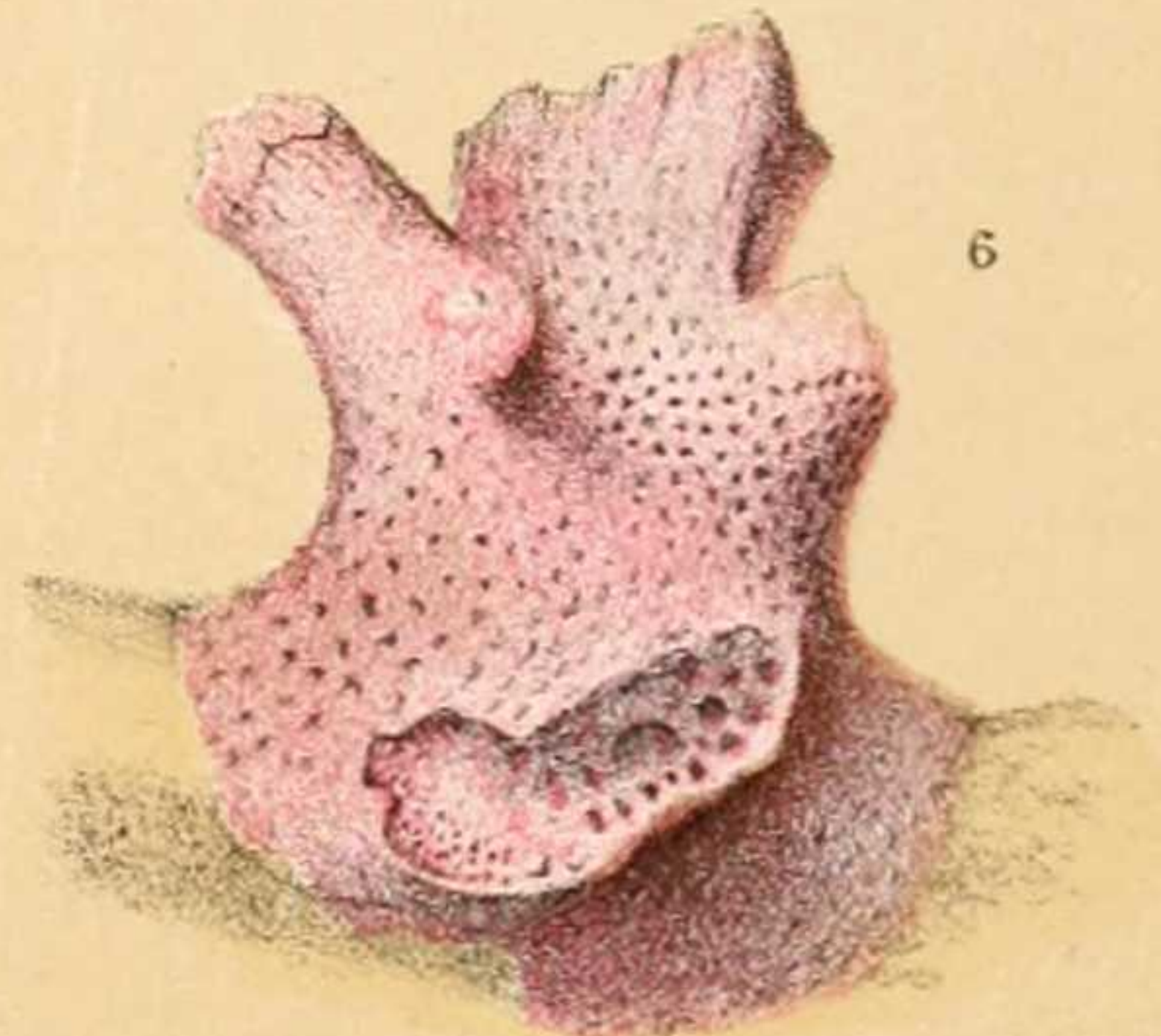
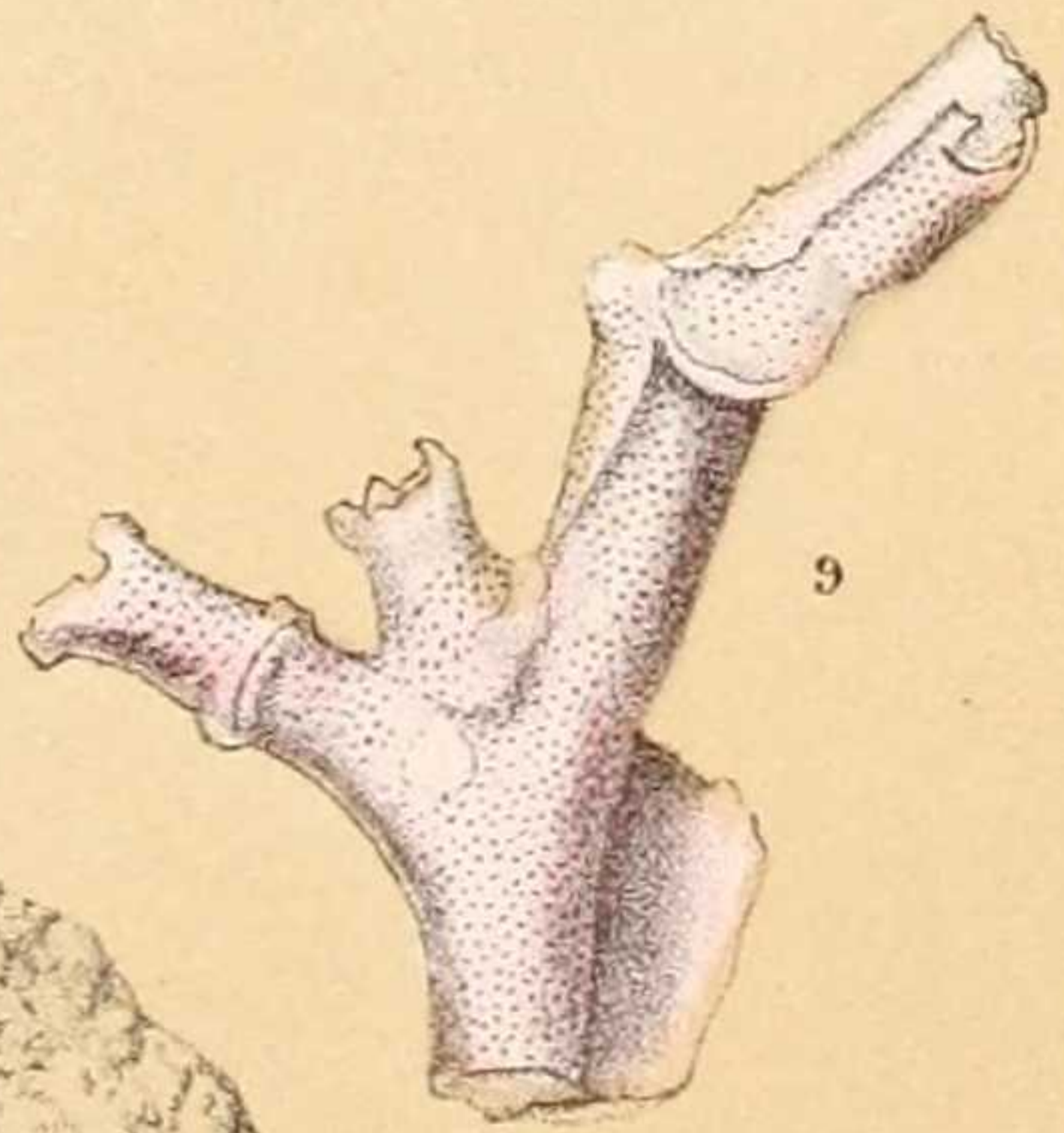
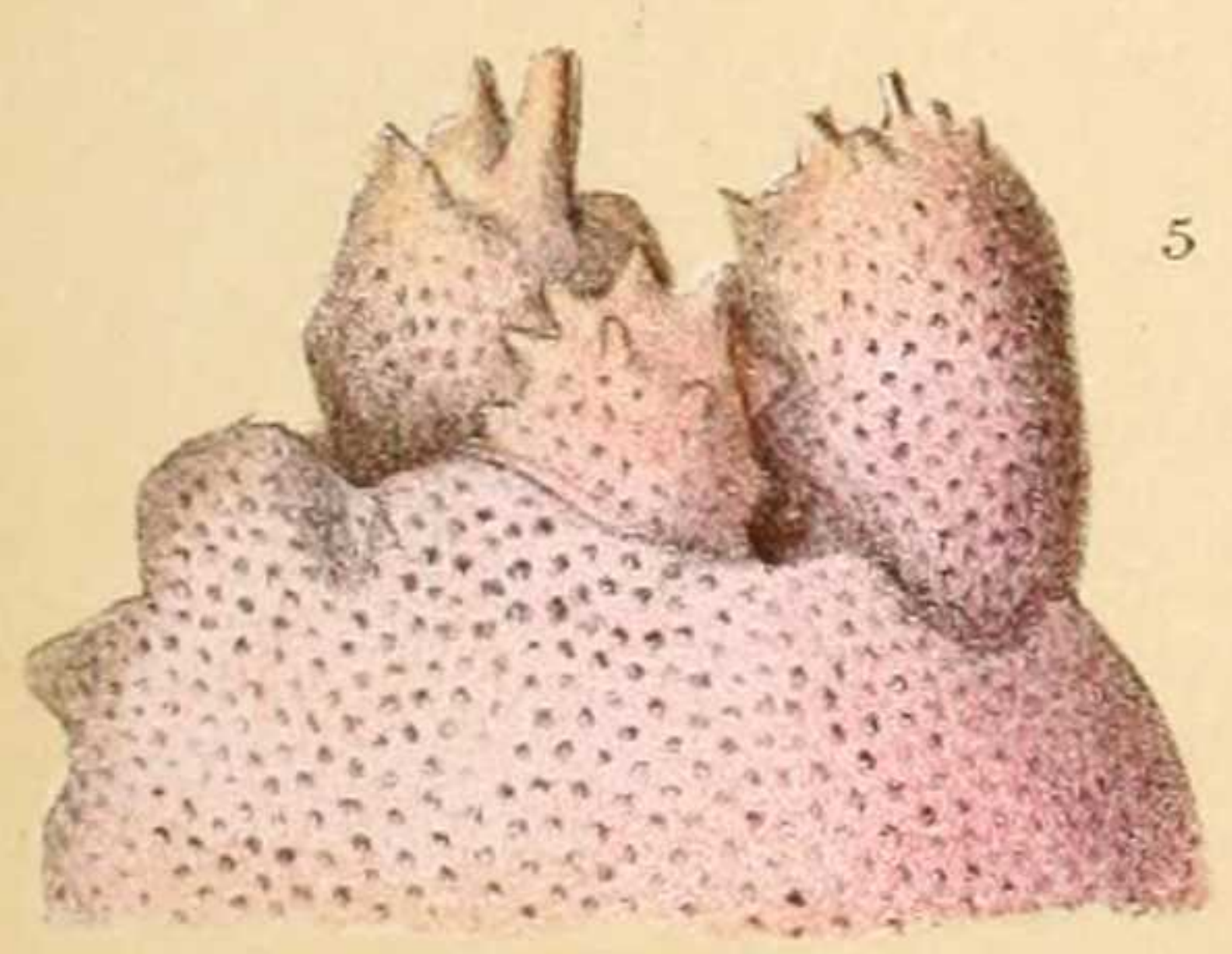
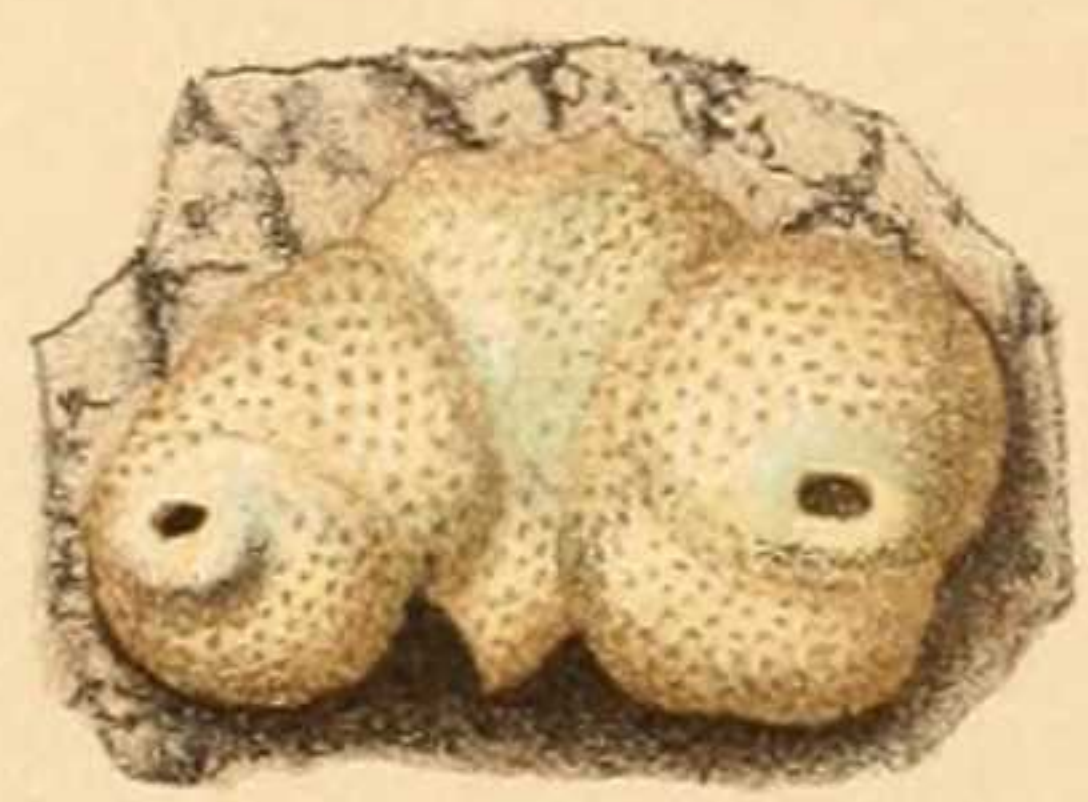
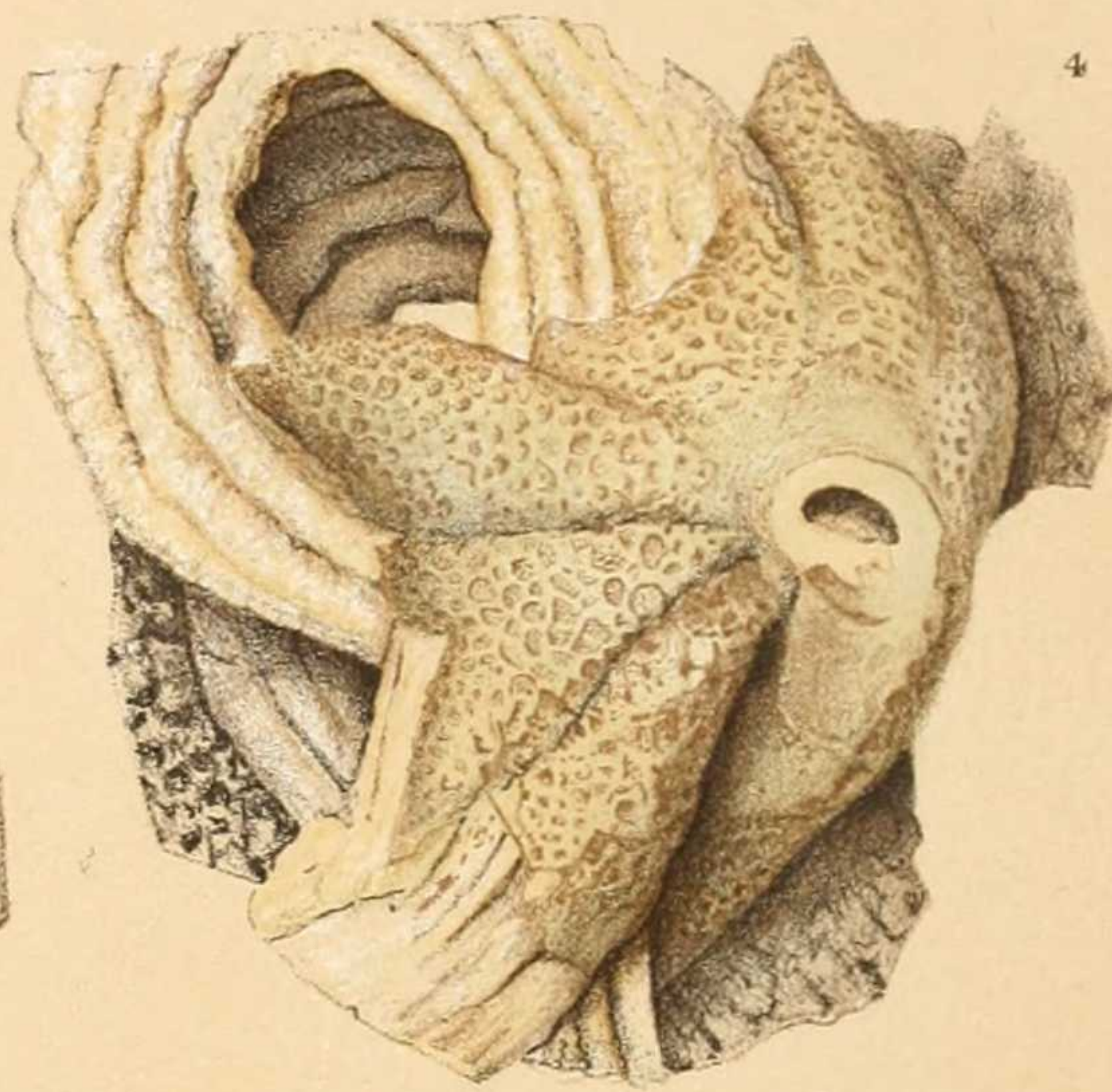
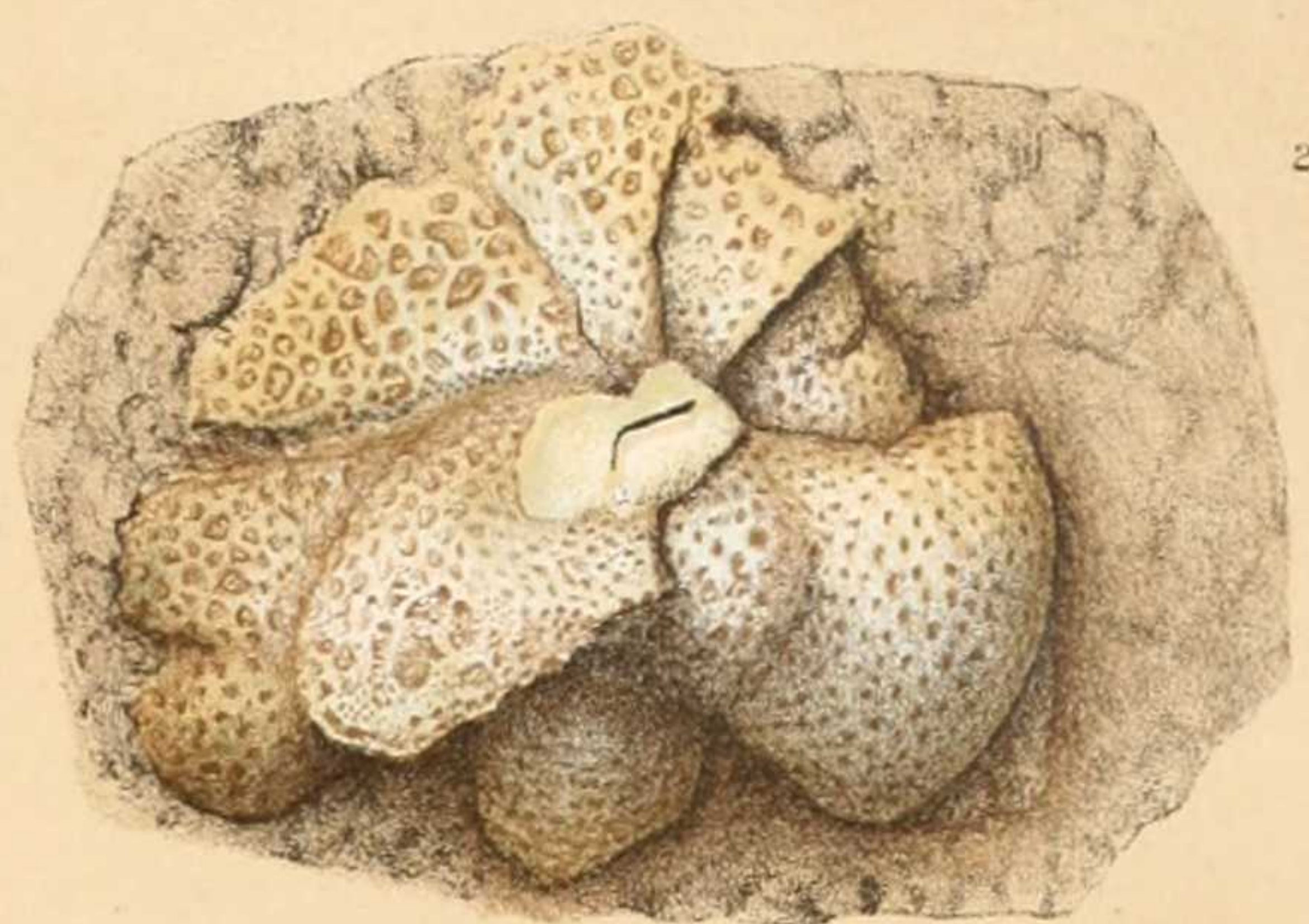
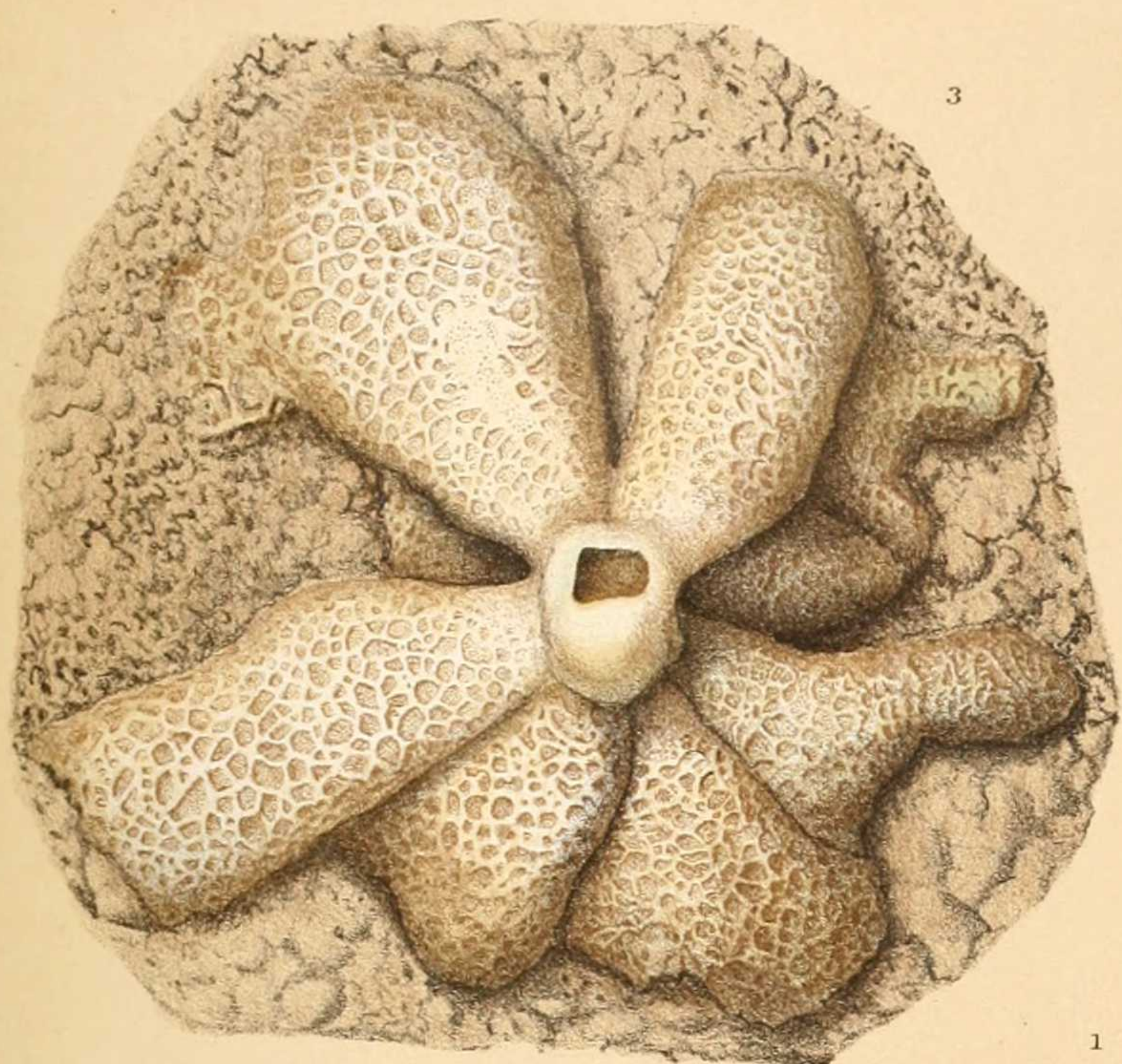
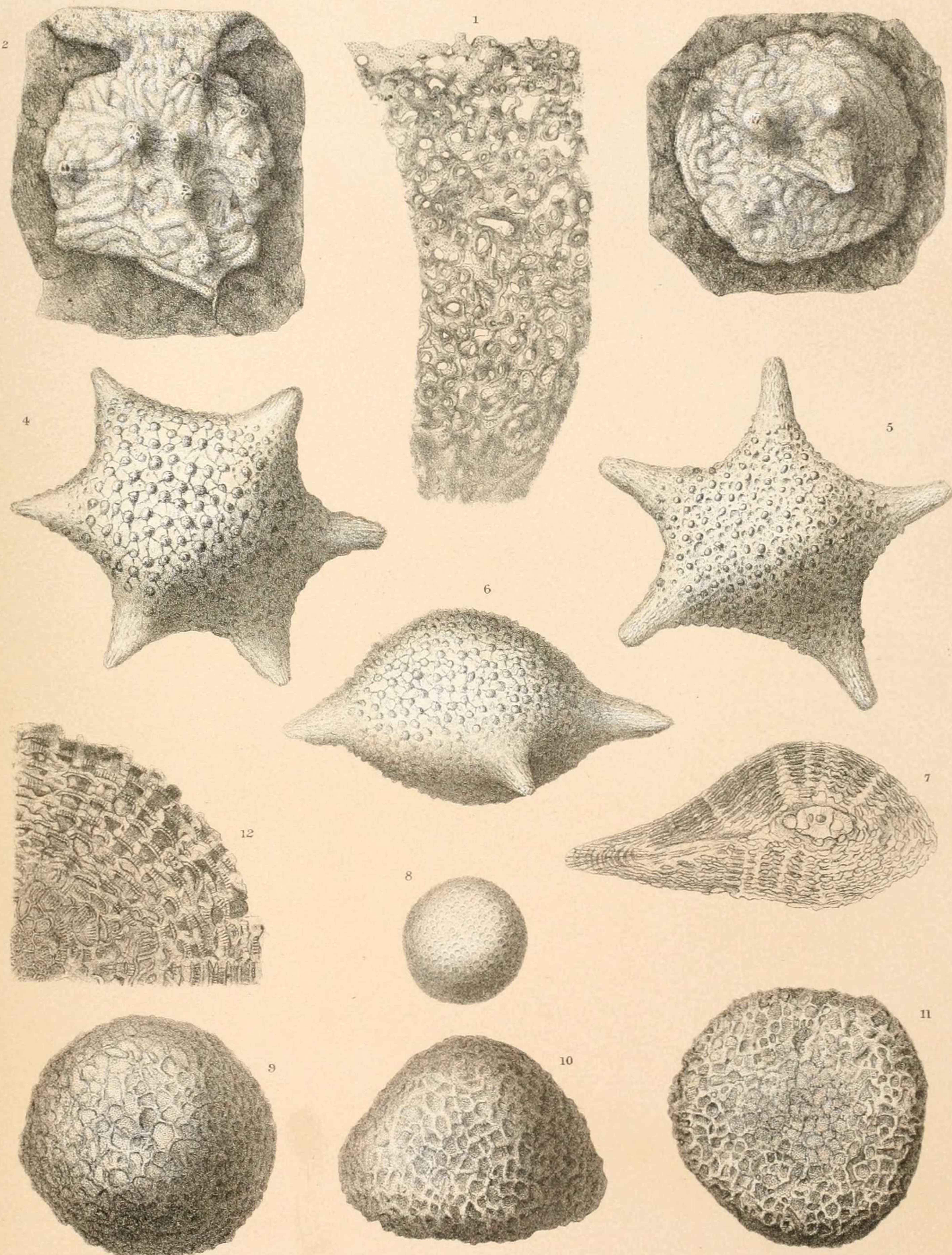


PLATE CI.

PLATE CI.

POLYTREMA.—TINOPORUS.—GYPSINA.

Figure		Diam.	Page
1.—	<i>Polytrema miniaceum</i> , Linné, sp., Transparent section of the test.	× 40	721
2, 3.—	<i>Polytrema miniaceum</i> , var. <i>alba</i> , Carter,	× 30	721
4-7.—	<i>Tinoporus baculatus</i> (Montfort ?) Carpenter, Figs. 4, 5. Lateral aspect; fig. 6, peripheral aspect, Fig. 7. Transverse section of the test,	. . × 30 × 40	716
8.—	<i>Gypsina globulus</i> , Reuss, sp.,	× 30	717
9-12.—	<i>Gypsina vesicularis</i> , Parker and Jones, sp., Figs. 9-11. Various aspects of the test, Fig. 12. Section, viewed by transmitted light,	. . × 30 × 40	718



A. T. Hollick ad nat. del. et lith.

POLYTREMA_TINOPORUS. (Tinoporus_Gypsina.)

Hanhart imp.

PLATE CII.

PLATE CII.

GYPSINA.—CYMBALOPORA.

Figures		Diam.	Page
1-6.	— <i>Gypsina inhærens</i> , Schultze, sp., Figs. 1-3. Free surface; fig. 4, adherent surface; fig. 5, peripheral aspect; fig. 6, horizontal section of the test, viewed by transmitted light.	× 30-40	718
,,	7-12.— <i>Cymbalopora (Tretomphalus) bulloides</i> , d'Orbigny, sp., Figs. 7-10. Lateral aspect; fig. 11, superior aspect; fig. 12, inferior aspect. Fig. 7. Is drawn from a pelagic specimen; the rest from bottom specimens.	× 60	638
,,	13.— <i>Cymbalopora poeyi</i> , d'Orbigny, sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 50	636
,,	14.— <i>Cymbalopora poeyi</i> , var., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect; <i>d</i> , peripheral aspect of a somewhat similar, more slightly built specimen.	× 50	637
,,	15-18.— <i>Cymbalopora tabellæformis</i> , n. sp., Fig. 15. Superior aspect; figs. 16, 17, inferior aspect; fig. 18, peripheral aspect.	× 40	637



A. T. Hollick, ad nat. del. et lith.

Hanhart imp.

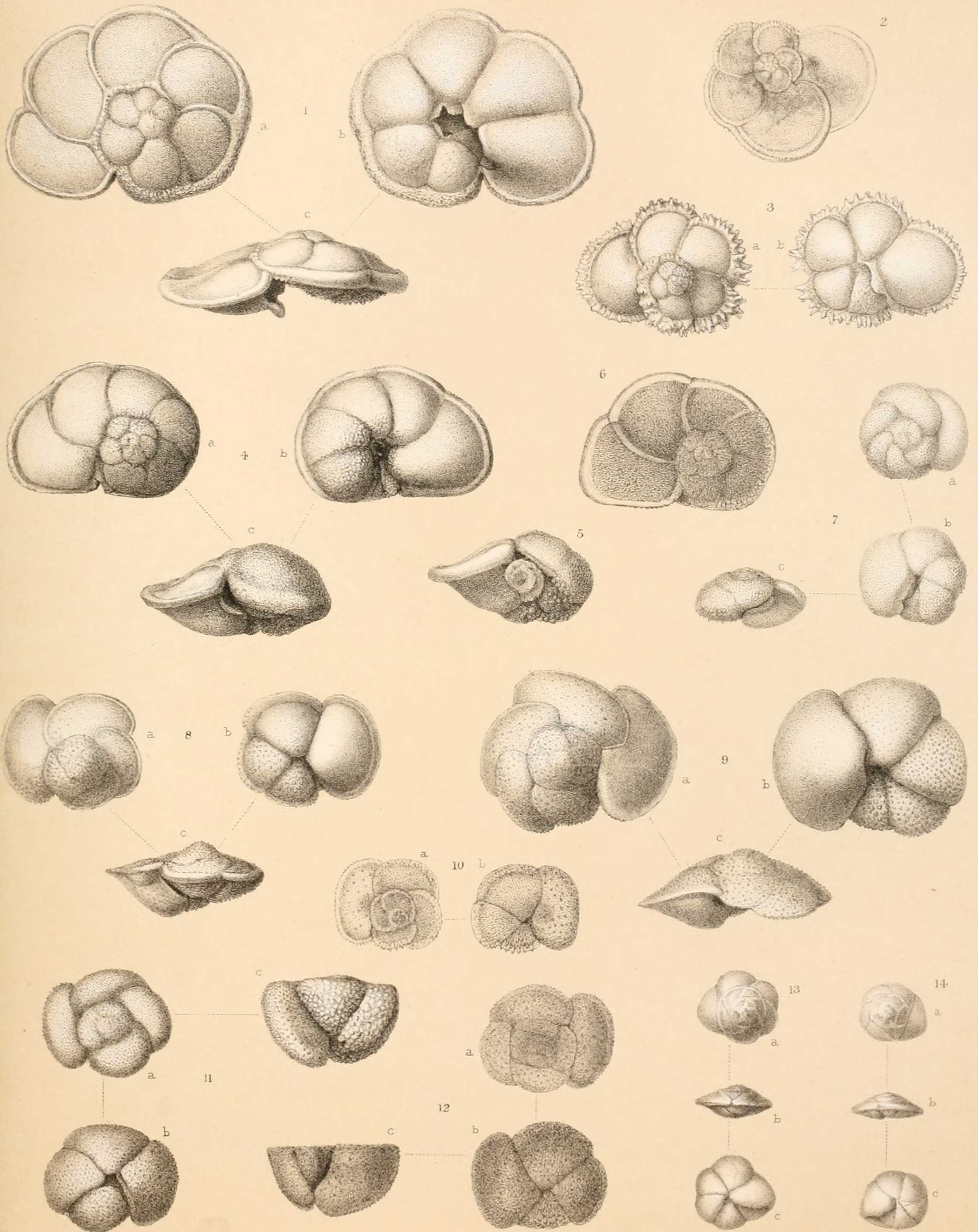
TINOPORUS (Gypsina) CYMBALOPORA.

PLATE CIII.

PLATE CIII.

PULVINULINA.

Figures		Diam.	Page
1, 2.—	<i>Pulvinulina menardii</i> , d'Orbigny, sp., . <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect. Fig. 1. Bottom specimen; fig. 2, surface specimen.	× 35	690
,,	3.— <i>Pulvinulina menardii</i> , var. <i>fimbriata</i> , nov., . <i>a</i> , Superior aspect; <i>b</i> , inferior aspect.	× 35	691
,,	4–6.— <i>Pulvinulina tumida</i> , Brady, Figs. 4 <i>a</i> , 6. Superior aspect; fig. 4 <i>b</i> , inferior aspect; fig. 4 <i>c</i> , 5, peripheral aspect. Figs. 4, 5. Bottom specimens; fig. 6, surface specimen.	× 35	692
,,	7.— <i>Pulvinulina patagonica</i> , d'Orbigny, sp., . <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 35	693
,,	8–10.— <i>Pulvinulina canariensis</i> , d'Orbigny, sp., . <i>a,a,a</i> , Superior aspect; <i>b,b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect. Figs. 8, 9. Bottom specimens; fig. 10, surface specimen.	× 35	692
,,	11, 12.— <i>Pulvinulina crassa</i> , d'Orbigny, sp., <i>a,a</i> , Superior aspect; <i>b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect. Fig. 11. Bottom specimen; fig. 12, surface specimen.	× 40	694
,,	13, 14.— <i>Pulvinulina exigua</i> , n. sp., <i>a,a</i> , Superior aspect; <i>b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect.	× 40	696



A. T. Hollick ad. nat. del. et lith.

PULVINULINA.

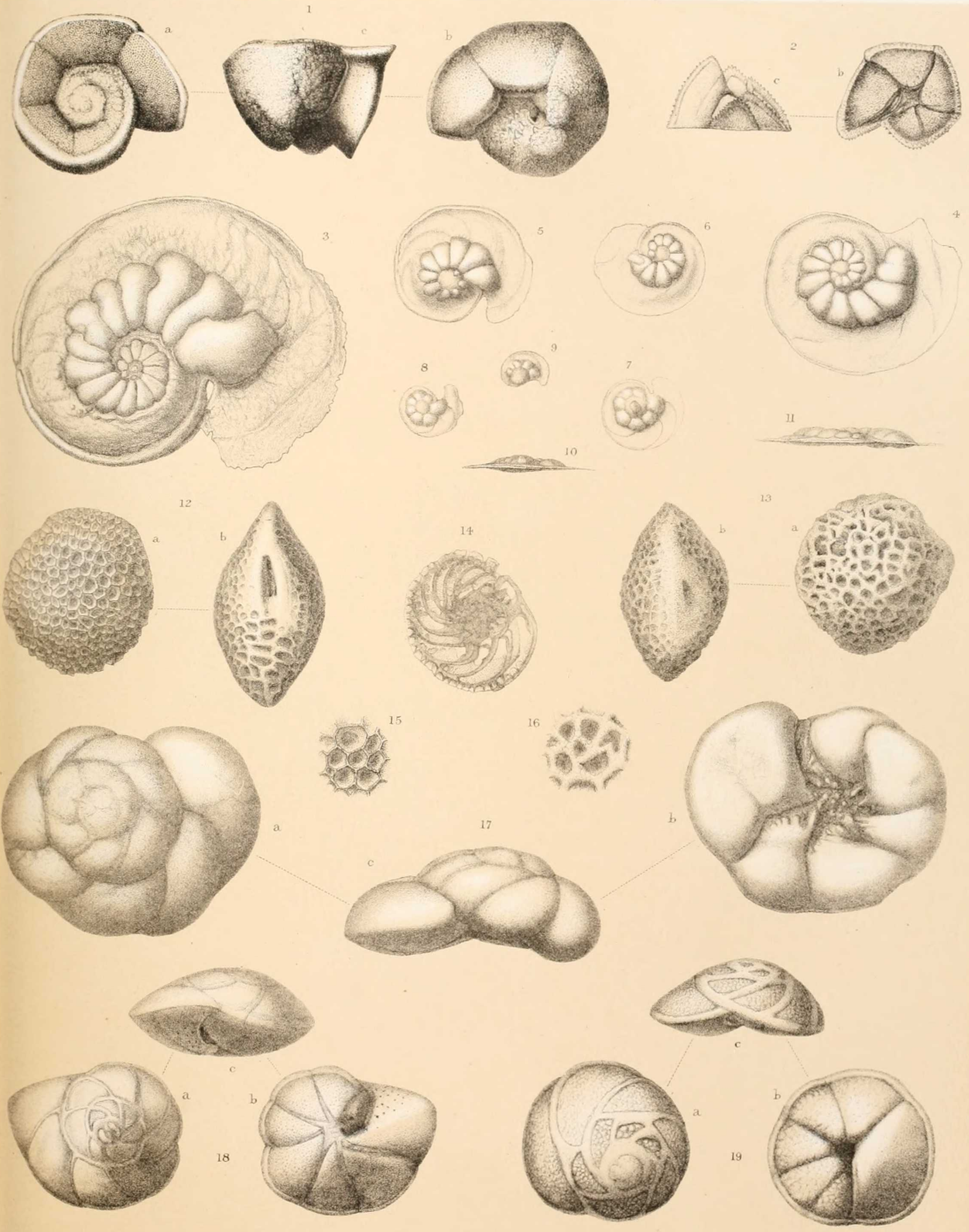
Hanhart imp.

PLATE CIV.

PLATE CIV.

PULVINULINA.

	Diam.	Page
<p>Figures 1, 2.—<i>Pulvinulina micheliniana</i>, d'Orbigny, sp., . <i>a</i>, Superior aspect; <i>b</i>, inferior aspect; <i>c</i>, peripheral aspect. Fig. 1. Bottom specimen; fig. 2, surface specimen.</p>	<p>× 40</p>	<p>694</p>
<p>„ 3–11.—<i>Pulvinulina pauperata</i>, Parker and Jones, . Figs. 3–9. Lateral aspects of the shell, in various stages. Figs. 10–11. Peripheral aspect.</p>	<p>× 25</p>	<p>696</p>
<p>„ 12–16.—<i>Pulvinulina favus</i>, Brady, Figs. 12 <i>a</i>, 13 <i>a</i>, Lateral aspect; figs. 12 <i>b</i>, 13 <i>b</i>, peripheral aspect, Fig. 14. Horizontal section of the test, Figs. 15, 16. Portions of the surface more highly magnified,</p>	<p>× 40 × 40 × 80</p>	<p>701</p>
<p>„ 17.—<i>Pulvinulina punctulata</i>, d'Orbigny, sp., . <i>a</i>, Superior aspect; <i>b</i>, inferior aspect; <i>c</i>, peripheral aspect.</p>	<p>× 16</p>	<p>685</p>
<p>„ 18.—<i>Pulvinulina repanda</i>, Fichtel and Moll, sp., . <i>a</i>, Superior aspect; <i>b</i>, inferior aspect; <i>c</i>, peripheral aspect.</p>	<p>× 30</p>	<p>684</p>
<p>„ 19.—<i>Pulvinulina repanda</i>, var. <i>concamerata</i>, Montagu, var., <i>a</i>, Superior aspect; <i>b</i>, inferior aspect; <i>c</i>, peripheral aspect.</p>	<p>× 30</p>	<p>685</p>



Hollick ad nat. del. et lith.

PULVINULINA.

Hanhart imp.

PLATE CV.

PLATE CV.

PULVINULINA.

Figure		Diam.	Page
1.—	<i>Pulvinulina concentrica</i> , Parker and Jones, <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 35	686
,, 2.—	<i>Pulvinulina umbonata</i> , Reuss, <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 50	695
,, 3-6.—	<i>Pulvinulina elegans</i> , d'Orbigny, sp., Fig. 3. Deep-water form (<i>Pulvinulina partschiana</i> , d'Orbigny, sp.); <i>a</i> , superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect, Figs. 4, 5. Typical specimens, from medium depths, Fig. 6. Carinate specimen,	. . . × 40 × 35 × 35	699
,, 7.—	<i>Pulvinulina procera</i> , Brady, <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 35	698
,, 8, 9.—	<i>Pulvinulina karsteni</i> , Reuss, sp., Fig. 8. Specimen from Magellans Strait. Fig. 9. Arctic specimen. <i>a,a</i> , Superior aspect; <i>b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect.	× 50	698

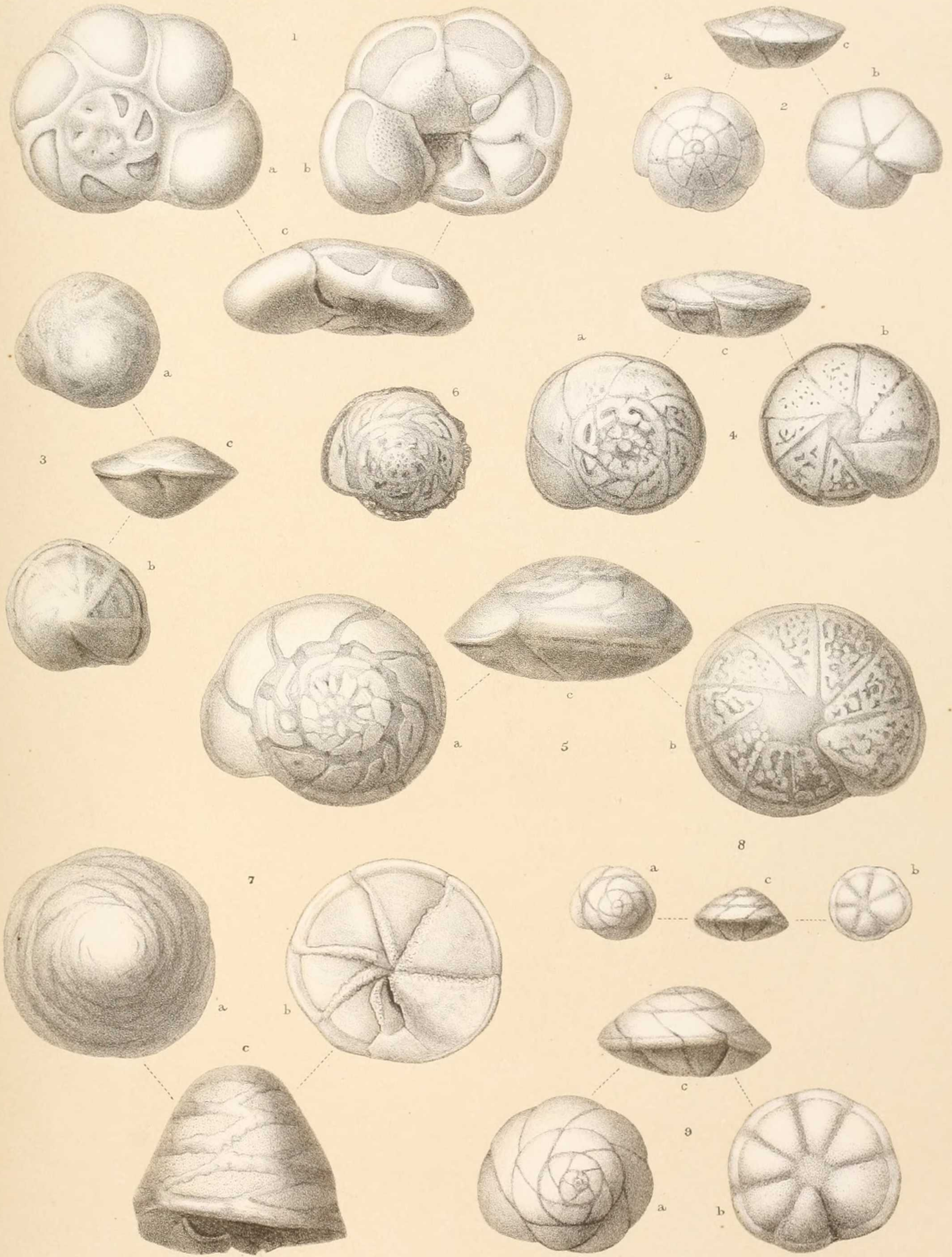


PLATE CVI.

PLATE CVI.

PULVINULINA.—ROTALIA.

Figure		Diam.	Page
1.—	<i>Pulvinulina berthelotiana</i> , d'Orbigny, sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 35	701
,, 2, 3.—	<i>Pulvinulina lateralis</i> , Terquem, sp., <i>a,a</i> , Superior aspect; <i>b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect.	× 35–40	689
,, 4.—	<i>Pulvinulina oblonga</i> , Williamson, sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 40	688
,, 5.—	<i>Pulvinulina auricula</i> , Fichtel and Moll, sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 40	688
,, 6, 7.—	<i>Pulvinulina hauerii</i> , d'Orbigny, sp., <i>a,a</i> , Superior aspect; <i>b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect.	× 40–50	690
,, 8.—	<i>Pulvinulina oblonga</i> , var. <i>scabra</i> , nov., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 50	689
,, 9.—	<i>Rotalia papillosa</i> , n. sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 30	708

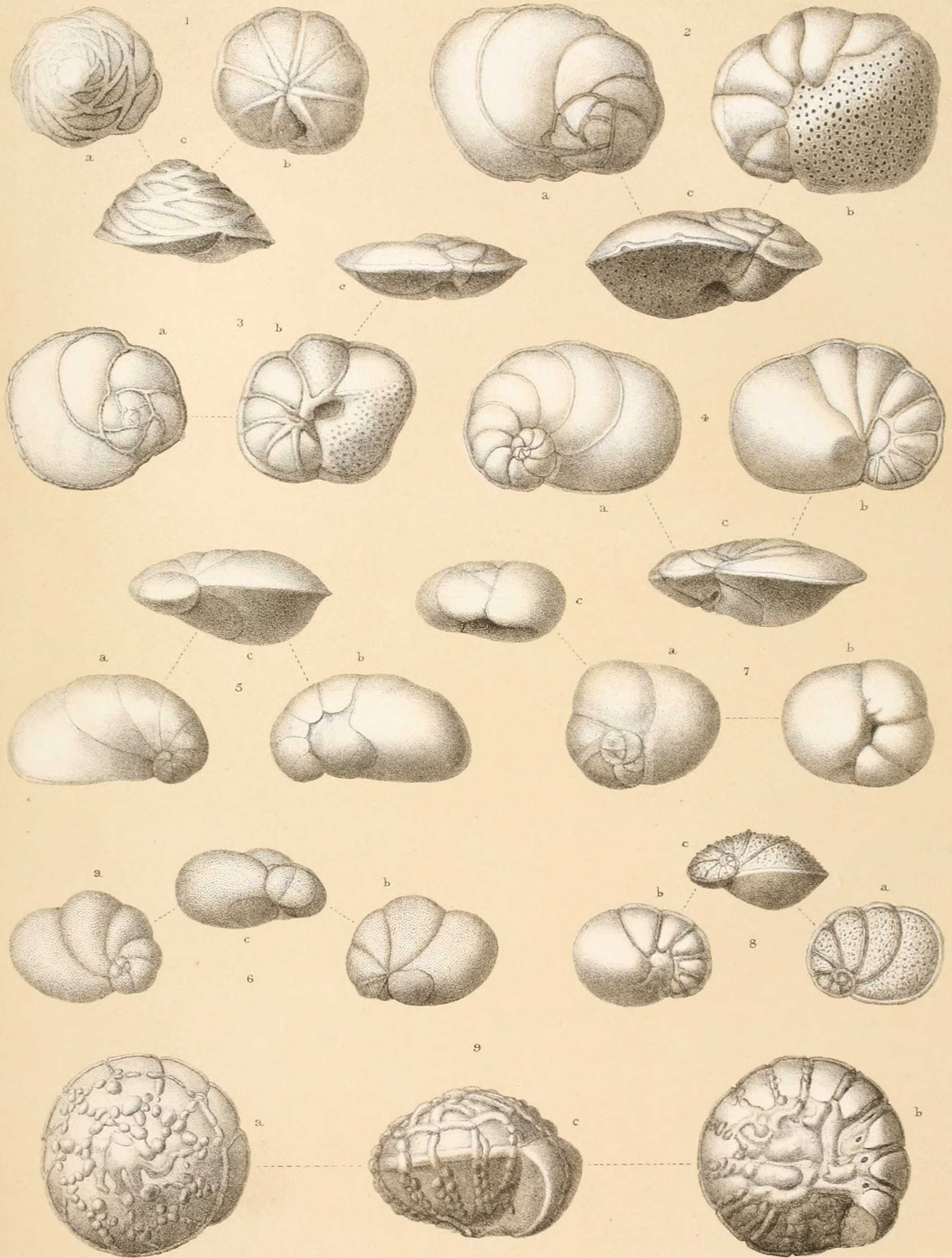
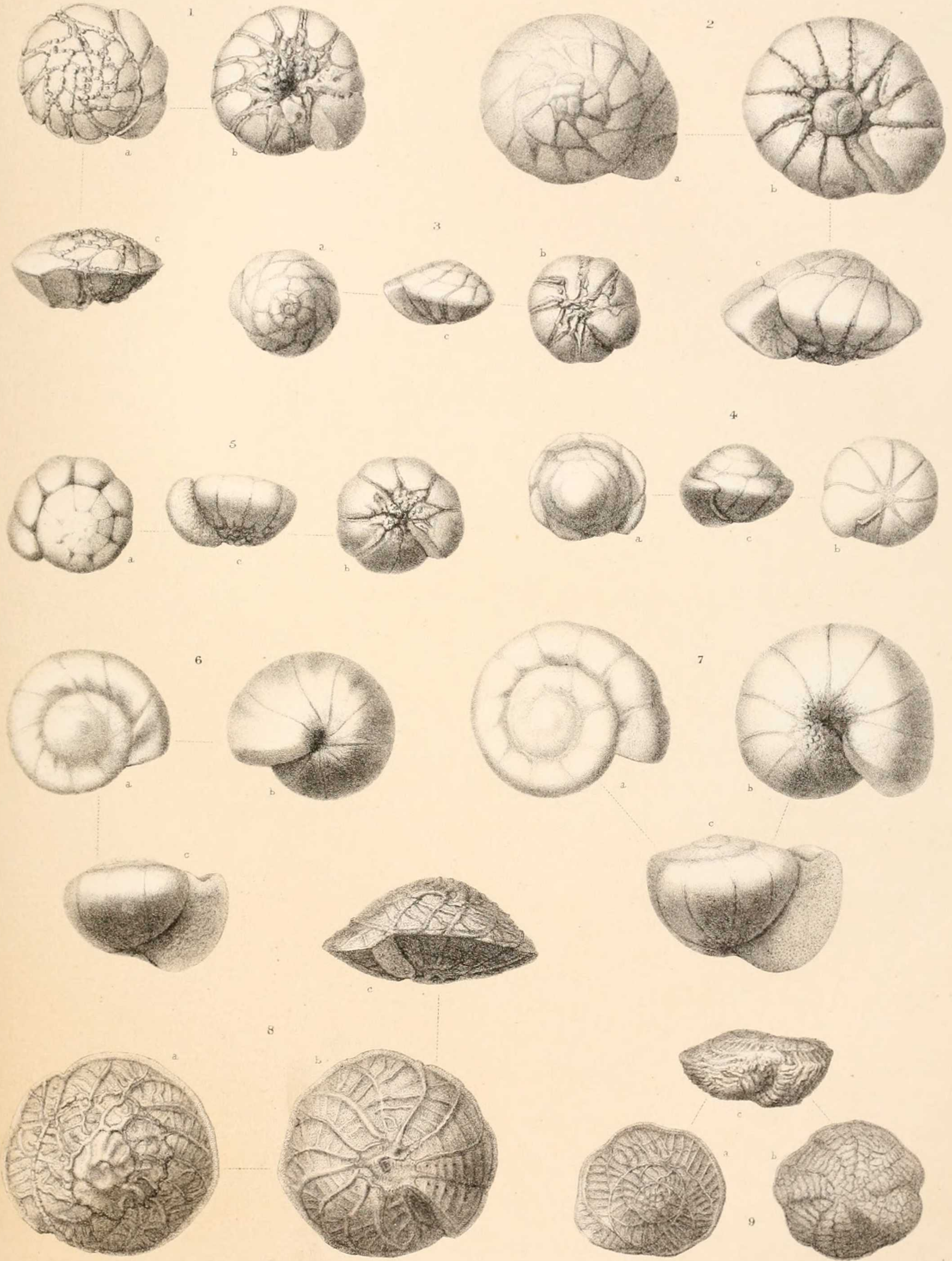


PLATE CVII.

PLATE CVII.

RODALIA.

Figure		Diam.	Page
1.	<i>Rotalia papillosa</i> , var. <i>compressiuscula</i> , nov., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 30	708
,, 2, 3.	<i>Rotalia beccarii</i> , Linné, sp., <i>a,a</i> , Superior aspect. <i>b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect.	× 50	704
,, 4.	<i>Rotalia broeckhiana</i> , Karrer, <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 50	705
,, 5.	<i>Rotalia orbicularis</i> (?), d'Orbigny, <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect. (A passage-form between <i>Rotalia beccarii</i> and <i>Rotalia orbicularis</i> . The typical <i>Rotalia orbicularis</i> is given at Pl. CXV. fig. 6.)	× 50	706
,, 6, 7.	<i>Rotalia soldanii</i> , d'Orbigny, <i>a,a</i> , Superior aspect; <i>b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect.	× 40	706
,, 8, 9.	<i>Rotalia clathrata</i> , n. sp., <i>a,a</i> , Superior aspect; <i>b,b</i> , inferior aspect; <i>c,c</i> , peripheral aspect.	× 50	709



A. Hollick ad nat. del. et lith.

ROTALIA.

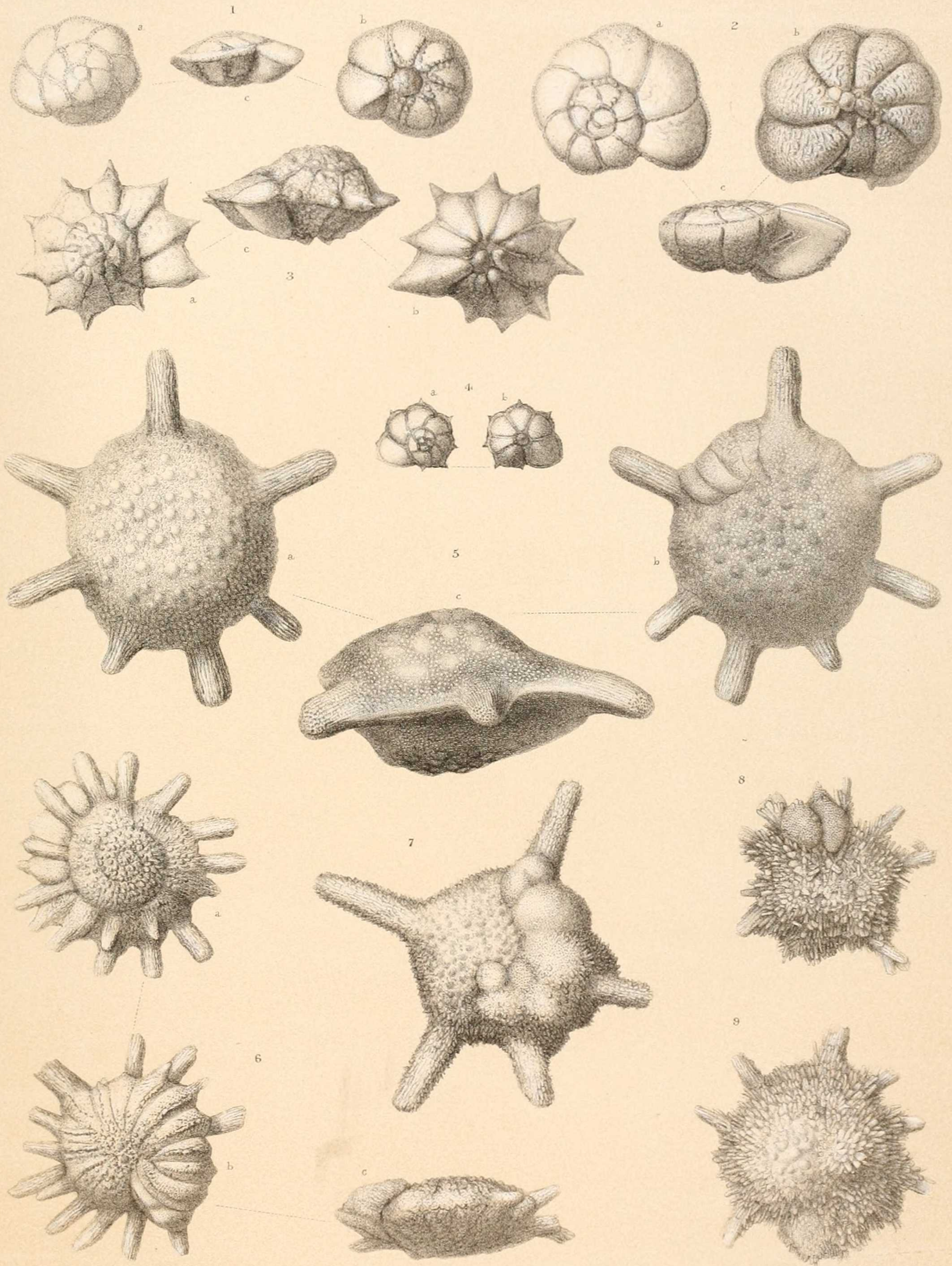
Hanhart imp.

PLATE CVIII.

PLATE CVIII.

ROTALIA.—CALCARINA.

Figure		Diam.	Page
1.	— <i>Rotalia papillosa</i> , var. <i>compressiuscula</i> , nov. (young), <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 50	708
„	2.— <i>Rotalia venusta</i> , n. sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 50	708
„	3.— <i>Rotalia calcar</i> , d'Orbigny, sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 50	709
„	4. Young specimen of the same, or possibly of <i>Rotalia dentata</i> , Parker and Jones,	× 50	710
„	5, 7.— <i>Calcarina spengleri</i> , Linné, sp., Fig. 5 <i>a</i> . Superior aspect; figs. 5 <i>b</i> , 7, inferior aspect; fig. 5 <i>c</i> , peripheral aspect.	× 30–35	712
„	6.— <i>Calcarina defrancii</i> , d'Orbigny, <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 30	714
„	8, 9.— <i>Calcarina hispida</i> , Brady,	× 30	713



A. Holliek ad nat. del. et lith.

ROTALIA CALCARINA.

Hanbart imp.

PLATE CIX.

PLATE CIX.

NONIONINA.—POLYSTOMELLA.

a, Lateral aspect; *b*, peripheral aspect.

Figures		×	Diam.	Page
1, 2.	— <i>Nonionina asterizans</i> , Fichtel and Moll, sp.,	×	50	728
„	3-5.— <i>Nonionina stelligera</i> , d'Orbigny,			728
	Figs. 3, 4 × 75 diam. ;—fig. 5,	×	60	
„	6, 7.— <i>Nonionina depressula</i> , Walker and Jacob, sp.,	×	75	725
„	8, 9.— <i>Nonionina umbilicatula</i> , Montagu, sp.,	×	70	726
„	10, 11.— <i>Nonionina pompilioides</i> , Fichtel and Moll, sp.,	×	75	727
„	12, 13.— <i>Nonionina boueana</i> , d'Orbigny,	×	70	729
„	14-16.— <i>Nonionina scapha</i> , Fichtel and Moll, sp.,	×	75	730
„	17-19.— <i>Nonionina turgida</i> , Williamson, sp.,	×	75	731
„	20, 21.— <i>Nonionina orbicularis</i> , Brady,	×	50	727
„	22, 23.— <i>Polystomella striatopunctata</i> , Fichtel and Moll, sp.,	×	75	733



A. Hollick ad nat. del. et lith.

NONIONINA — POLYSTOMELLA.

Hanhart imp.

PLATE CX.

PLATE CX.

POLYSTOMELLA.

a, Lateral aspect ; *b*, peripheral aspect.

Figure			Diam	Page
	1.— <i>Polystomella subnodosa</i> , Münster, sp., .	×	75	734
,,	2-5.— <i>Polystomella arctica</i> , Parker and Jones, .	.	.	735
	Figs. 2 <i>a</i> , 3, Lateral aspect; fig. 2 <i>b</i> , peripheral aspect,	×	30	
	Fig. 4. Horizontal section, showing the segmentation, and the laminated thickening of the walls,	×	30	
	Fig. 5. Portion of a section, more highly magnified, showing the septal apertures, and the forked interseptal canals the openings of which form the double rows of sutural orifices,	×	100	
,,	6, 7.— <i>Polystomella crispa</i> , Linné, sp.,	×	40	736
,,	8, 9, 11.— <i>Polystomella macella</i> , Fichtel and Moll, sp.,	×	45-60	737
,,	10.—Young specimen, possibly of the same species, with the peripheral ends of the septa forming angular or pointed projections,	×	60	737
,,	12.— <i>Polystomella verriculata</i> , Brady,	×	65	738
,,	13-15.— <i>Polystomella imperatrix</i> , Brady,	×	30	738
,,	16-17.— <i>Polystomella craticulata</i> , Fichtel and Moll, sp.,	×	30-40	739

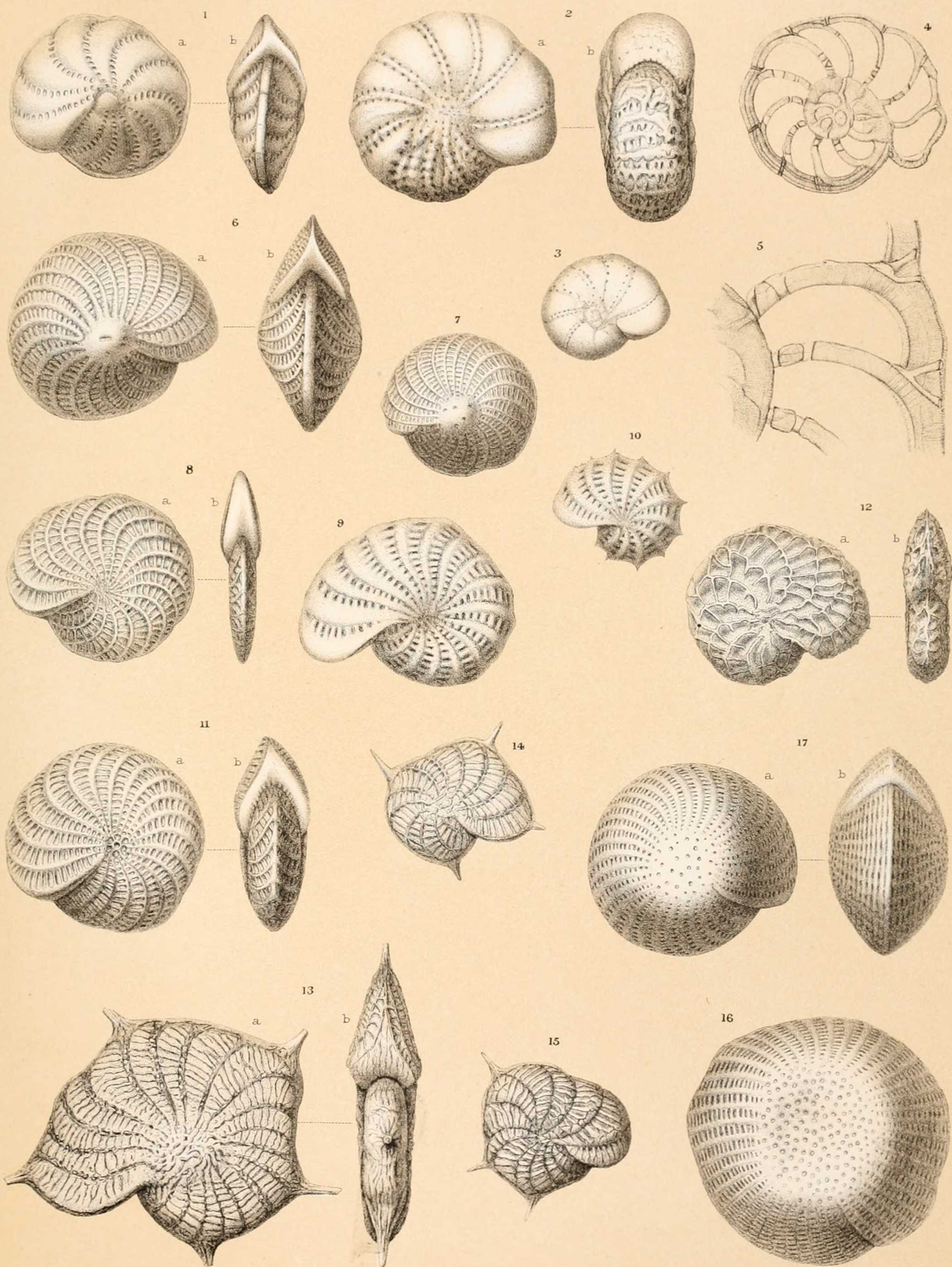
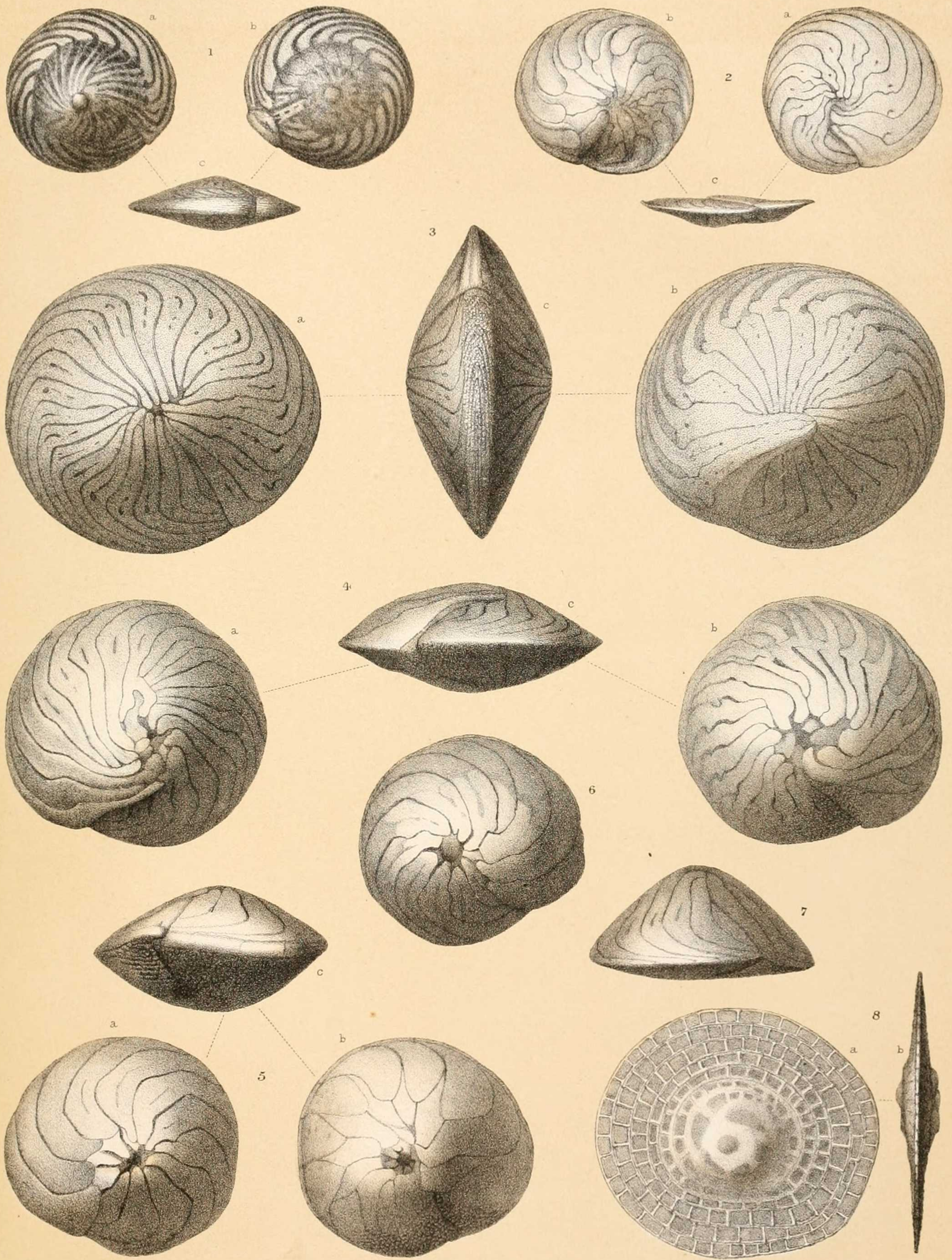


PLATE CXI.

PLATE CXI.

AMPHISTEGINA.—CYCLOCLYPEUS.

			Diam.	Page
Figures 1-7.— <i>Amphistegina lessonii</i> , d'Orbigny, . . .	×	30	740	
<i>a</i> , Superior lateral aspect; <i>b</i> , inferior lateral aspect; <i>c</i> , peripheral aspect. Figs. 1-4. Typical, compressed, lenticular form. Figs. 5, 6. Thick variety, commonly inequilateral. Fig. 7. Thick, very inequilateral or dome-shape variety.				
„ 8.— <i>Cycloclypeus guembelianus</i> , Brady, . . .	×	35	751	
<i>a</i> , Lateral aspect; <i>b</i> , peripheral aspect.				



A.T. Hollick ad nat. del. et lith.

AMPHISTEGINA — CYCLOCLYPEUS.

Hanhart imp.

PLATE CXII.

PLATE CXII.

OPERCULINA.—NUMMULITES.—HETEROSTEGINA.

		Diam.	Page
Figures	1, 2.— <i>Operculina ammonoides</i> , Gronovius, sp., . Figs. 1 <i>a</i> , 2. Lateral aspect; fig. 1 <i>b</i> , peripheral aspect.	× 50	745
,,	3, 4, 5, 8.— <i>Operculina complanata</i> , Defrance, sp., . Figs. 3 <i>a</i> , 4, 5, 8. Lateral aspect; fig. 3 <i>b</i> , peripheral aspect.	× 12	743
,,	6, 7, 9, 10.— <i>Operculina complanata</i> , var. <i>granulosa</i> , Leymerie,	× 12	743
,,	11–13.— <i>Nummulites cumingii</i> , Carpenter, Figs. 11 <i>a</i> , 12, 13 <i>a</i> . Lateral aspect; figs. 11 <i>b</i> , 13 <i>b</i> , peripheral aspect.	× 18	749
,,	14–18.— <i>Heterostegina depressa</i> , d'Orbigny, Figs. 14, 15. Adult specimens, lateral aspect, Fig. 16. Peripheral aspect, Figs. 17, 18. Young specimens, . . . . .	. . . . . × 12 × 15 × 25	746
,,	19, 20.— <i>Heterostegina</i> , sp., Young specimens (<i>cf. Heterostegina curva</i> , Moebius),	. . . . . × 25	746

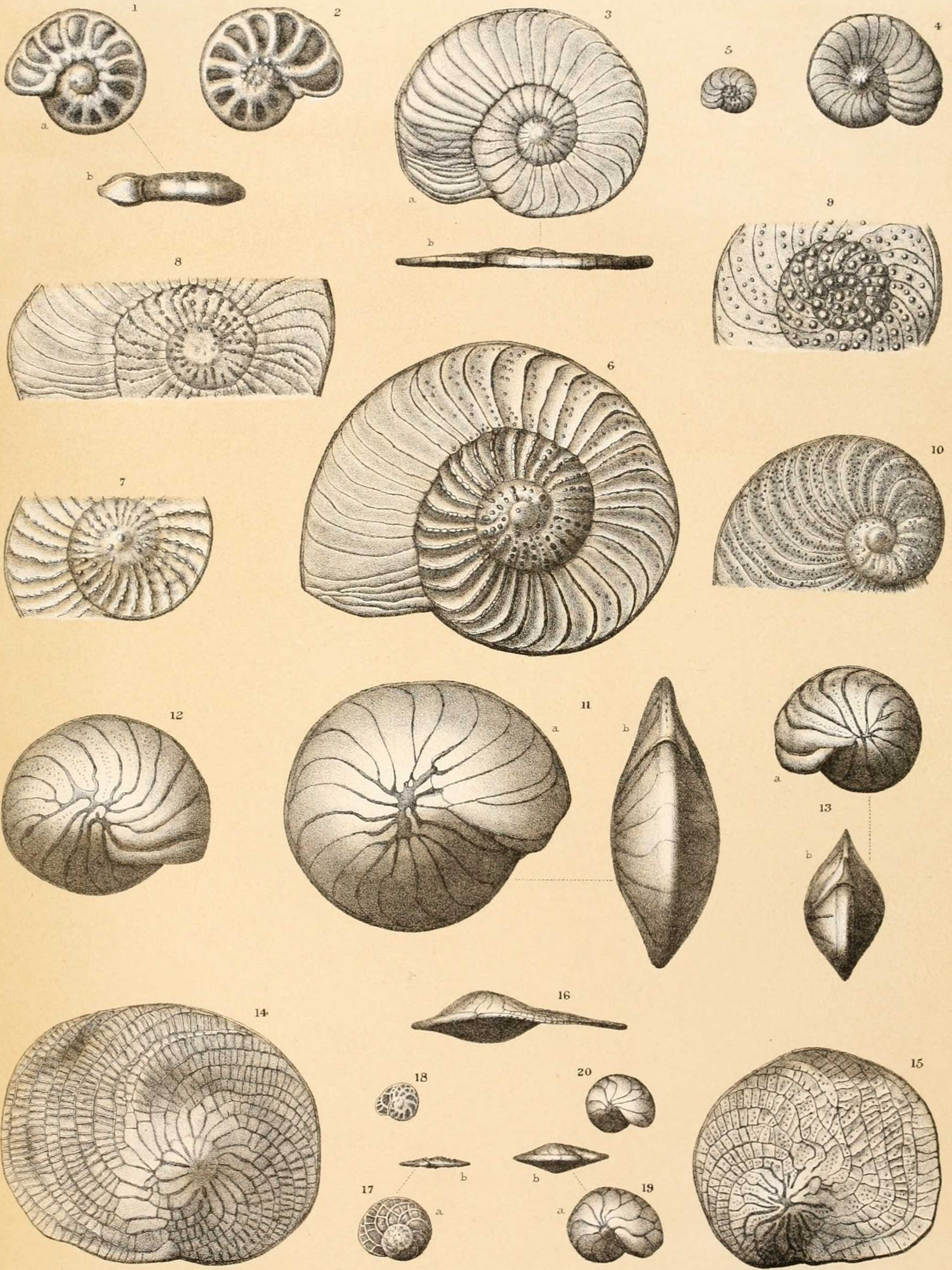


PLATE CXIII.

PLATE CXIII.

TEXTULARIA.—CASSIDULINA.—CORNUSPIRA, &C.

Figure		Diam.	Page
1.	— <i>Textularia conica</i> , d'Orbigny, short variety, <i>a</i> , Lateral aspect ; <i>b</i> , oral end.	× 50	365
„	2.— <i>Textularia crispata</i> , n. sp., <i>a</i> , Lateral aspect ; <i>b</i> , peripheral aspect.	× 60	359
„	3–5.— <i>Textularia transversaria</i> , n. sp., Figs. 3 <i>a</i> , 4, 5. Lateral aspect ; 3 <i>b</i> , oral end.	× 75	359
„	6.— <i>Bulimina convoluta</i> , Williamson, <i>a</i> , Superior aspect ; <i>b</i> , inferior aspect.	× 100	409
„	7.— <i>Bolivina lobata</i> , var. <i>strigosa</i> , nov., <i>a</i> , Lateral aspect ; <i>b</i> , oral end.	× 80	425
„	8.— <i>Cassidulina calabra</i> , Seguenza, sp., <i>a</i> , <i>b</i> , Ventral and dorsal peripheral aspects ; <i>c</i> , lateral aspect.	× 75	431
„	9.— <i>Cassidulina (Orthoplecta) clavata</i> , n. sp.,	× 100	432
„	10.— <i>Ehrenbergina pupa</i> , d'Orbigny, sp., <i>a</i> , <i>b</i> , Ventral and dorsal peripheral aspects ; <i>c</i> , lateral aspect.	× 80	433
„	11.— <i>Cristellaria latifrons</i> , n. sp., <i>a</i> , Lateral aspect ; <i>b</i> , front peripheral aspect.	× 35	544
„	12.— <i>Cristellaria dentata</i> , Karrer, <i>a</i> , Lateral aspect ; <i>b</i> , front peripheral aspect.	× 35	540
„	13.— <i>Amphicoryne</i> , sp. (?)	× 50	556
„	14.— <i>Sagrina limbata</i> , n. sp.,	× 100	586
„	15.— <i>Miliolina scrobiculata</i> , n. sp., <i>a</i> , <i>b</i> , Lateral aspects ; <i>c</i> , oral aspect.	× 50	173
„	16.— <i>Miliolina pygmæa</i> , Reuss, sp., <i>a</i> , Lateral aspect ; <i>b</i> , oral aspect.	× 45	163
„	17.— <i>Miliolina ferussacii</i> , d'Orbigny, sp., Lateral aspects.	× 30	175
„	18, 19.— <i>Cornuspira striolata</i> , Brady, Fig. 18. <i>a</i> , Lateral aspect ; <i>b</i> , peripheral aspect, Fig. 19. Portion of the surface, more highly magnified,	× 5 × 20	202
„	20.— <i>Cornuspira crassisepa</i> , Brady,	× 60	202
„	21.— <i>Cornuspira lacunosa</i> , Brady,	× 60	202

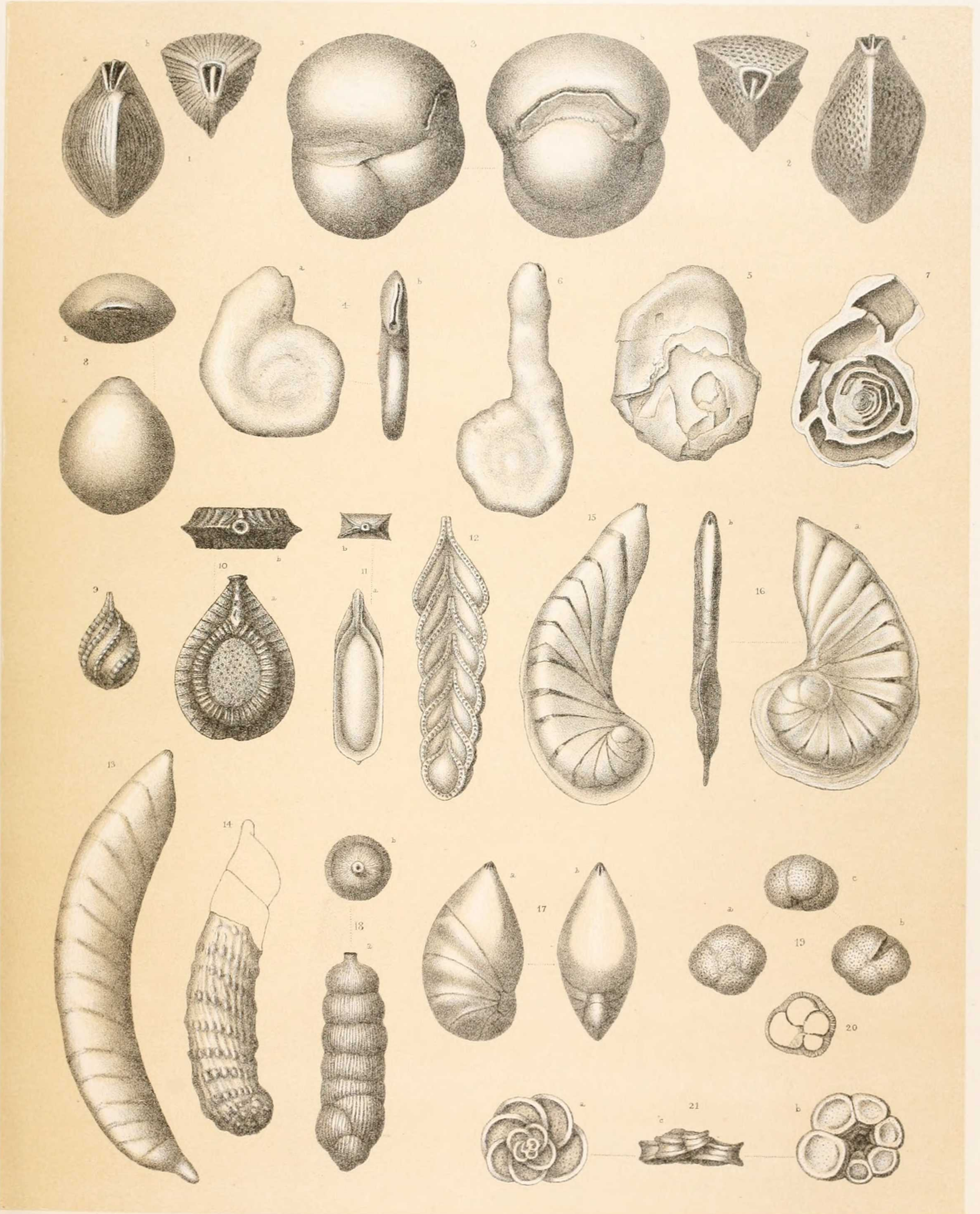


PLATE CXIV.

PLATE CXIV.

MILIOLINA.—PLANISPIRINA.—LAGENA, &C.

	Diam.	Page
Figure 1.— <i>Miliolina terquemiana</i> , n. sp., <i>a</i> , Lateral aspect ; <i>b</i> , oral aspect.	× 60	166
„ 2.— <i>Miliolina bertheliniana</i> , n. sp., <i>a</i> , Lateral aspect ; <i>b</i> , oral aspect.	× 100	166
„ 3.— <i>Miliolina bucculenta</i> , n. sp., <i>a</i> , Lateral aspect ; <i>b</i> , oral aspect.	× 20	170
„ 4–7.— <i>Planispirina communis</i> , Seguenza, Figs. 4 <i>a</i> , 5, 6. Lateral aspect ; <i>b</i> , peripheral aspect. Fig. 5. Abraded specimen, showing the Nummu- line lamination of the shell. Fig. 7. Horizontal section of the shell.	× 20	196
„ 8.— <i>Lagena lævigata</i> , Reuss, sp., <i>a</i> , Lateral aspect ; <i>b</i> , oral aspect.	× 70	473
„ 9.— <i>Lagena spiralis</i> , n. sp.,	× 120	468
„ 10.— <i>Lagena formosa</i> , var. <i>brevis</i> , nov., <i>a</i> , Lateral aspect ; <i>b</i> , oral aspect.	× 100	480
„ 11.— <i>Lagena quadrangularis</i> , n. sp., <i>a</i> , Lateral aspect <i>b</i> , oral aspect.	× 100	483
„ 12.— <i>Frondicularia archiaciana</i> , d'Orbigny,	× 60	520
„ 13.— <i>Vaginulina legumen</i> , var. <i>arquata</i> , nov.,	× 15	531
„ 14.— <i>Cristellaria wetherellii</i> , Rupert Jones, sp.,	× 18	537
„ 15, 16.— <i>Cristellaria compressa</i> , d'Orbigny, Figs. 15, 16 <i>a</i> , Lateral aspect ; <i>b</i> , front peripheral aspect.	× 10	538
„ 17.— <i>Cristellaria acutaureicularis</i> , Fichtel and Moll, sp., <i>a</i> , Lateral aspect ; <i>b</i> , front peripheral aspect.	× 70	543
„ 18.— <i>Sagrina nodosa</i> , Parker and Jones, <i>a</i> , Lateral aspect ; <i>b</i> , oral aspect.	× 70	583
„ 19, 20.— <i>Globigerina pachyderma</i> , Ehrenberg, sp., Fig. 19. <i>a</i> , Superior aspect ; <i>b</i> , inferior aspect ; <i>c</i> , peripheral aspect. Fig. 20. Horizontal section of the shell.	× 50	600
„ 21.— <i>Globigerina linnaeana</i> , d'Orbigny, sp., <i>a</i> , Superior aspect ; <i>b</i> , inferior aspect ; <i>c</i> , peripheral aspect. Copied from d'Orbigny.		598



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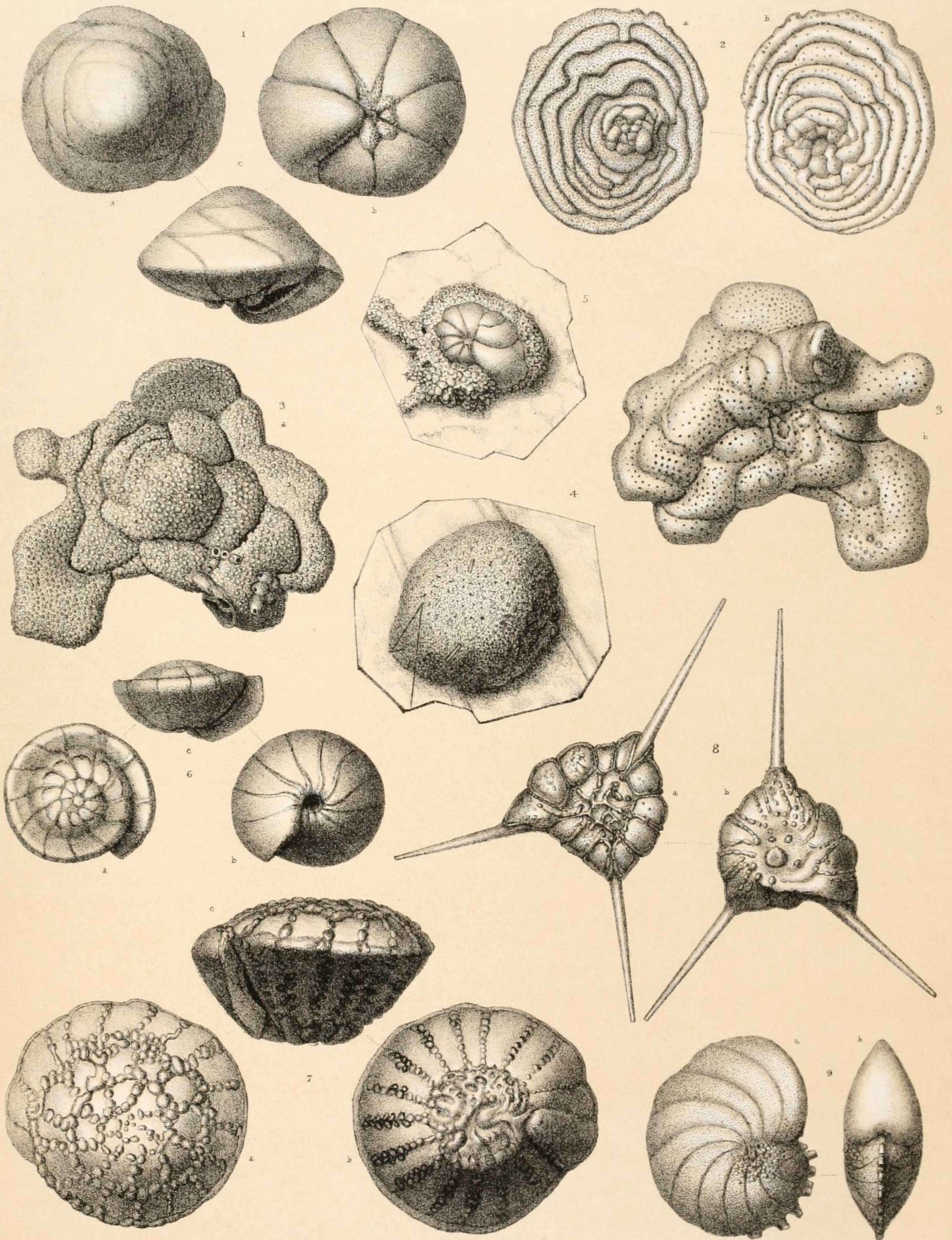
MILIOLINA LAGENA, etc.

PLATE CXV.

PLATE CXV.

PULVINULINA.—ROTALIA, &C.

		Diam.	Page
Figure	1.— <i>Pulvinulina schreibersii</i> , d'Orbigny, n. sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 30	697
,,	2.— <i>Pulvinulina vermiculata</i> , d'Orbigny, sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect.	× 30	687
,,	3.— <i>Pulvinulina dispansa</i> , n. sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect.	× 14	687
,,	4, 5.— <i>Truncatulina lobatula</i> , Walker and Jacob, sp., Fig. 4. Adherent specimen enclosed in a nidus of sand. Fig. 5. Similar specimen, the sand partially removed.	× 30	660
,,	6.— <i>Rotalia orbicularis</i> , d'Orbigny, <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 50	706
,,	7.— <i>Rotalia schroeteriana</i> , Parker and Jones, <i>a</i> , Superior aspect; <i>b</i> , inferior aspect; <i>c</i> , peripheral aspect.	× 25	707
,,	8.— <i>Rotalia pulchella</i> , d'Orbigny, sp., <i>a</i> , Superior aspect; <i>b</i> , inferior aspect.	× 50	710
,,	9.— <i>Nonionina boueana</i> , var. <i>armata</i> , nov., <i>a</i> , Lateral aspect; <i>b</i> , peripheral aspect.	× 60	730



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PULVINULINA-RODALIA, etc.