

- Fig. 6. Heaps of mesoblasts, lower side of embryonic disc, 250 diam. For age, see fig. 2.
- Fig. 7. Yolk cells from the lower side of the embryonic disc; *a*, *b*, mesoblasts; fig. 7a, the same as fig. 7, burst by water; 500 diam. From the oviduct.
- Fig. 8. Mesoblasts on the upper surface of the embryonic disc, 500 diam. For age, see fig. 2.
- Fig. 9, *a*, *b*. Yolk cells from the lower surface of the embryonic disc; *a'*, the mesoblast, acted upon by water; 500 diam.; *a''*, the same as *a'*, 1100 diam. From the oviduct *Chrysemys picta*.
- Fig. 10, and 11. Graafian follicles, 500 diam. *Ch. picta*.
- Fig. 12. Ovarian egg, nat. size; fig. 12a, cells of the zona pellucida; 500 diam.; fig. 12b, cells of the tunica granulosa, 800 diam. *Ch. picta*.
- Fig. 13. Piece of the Graafian follicle (see Pl. 8, fig. 12); fig. 13a, surface view of the polygonal cells of the tunica granulosa; 300 diam.
- Fig. 14. Piece of the tunica granulosa, and stroma (*a*) of the Graafian follicle; fig. 14a, tunica, surface view; 500 diam. *Ch. picta*.
- Fig. 15. Embryonal membrane from an ovarian egg (see fig. 16).
- Fig. 16. Ovarian egg, nat. size; the Purkinjean vesicle appears like a black dot. Fig. 16a, portion of the Graafian follicle around fig. 16; *a*, stroma; *b*, tunica granulosa; *c*, zona pellucida; *d*, yolk; 500 diam. *Chrysemys picta*, and *Nanemys guttata*.
- Fig. 17. Portion of Graafian follicle inclosing an egg; *a*, the yolk; *b*, zona pellucida; *c*, tunica granulosa; *d*, stroma; 500 diam. *Ch. picta*, and *N. guttata*.
- Fig. 18. Ovarian egg, nat. size; fig. 18a, portion of the Graafian follicle; *a*, stroma; *b*, tunica granulosa; *c*, vitelline sac; *d*, yolk; *e*, zona pellucida; 500 diam. *Ch. picta*.
- Fig. 19. Piece of the zona pellucida, 500 diam. From an ovarian egg (see fig. 20). *Ch. picta*.
- Fig. 20. Ovarian egg, nat. size; fig. 20a, *a*, *b*, embryonal membrane, 500 diam. *Ch. picta*.
- Fig. 21. Ovarian egg, nat. size; fig. 21a, its embryonal membrane, 500 diam. *Glyptemys insculpta*.
- Fig. 22, and 22a. Embryonal membrane from a full-grown ovarian egg, 500 diam. *Chrysemys picta*.
- Fig. 23. Embryonal membrane. For age, see Pl. 11, fig. 3. *Chelydra serpentina*.
- Fig. 24. Embryonal membrane, 500 diam.; fig. 24a, the same as fig. 24, 1100 diam. For age, see Pl. 11, fig. 1. *Chrysemys picta*.
- Fig. 25. Embryonal membrane, 500 diam. For age, see Pl. 11, fig. 2. *Ch. picta*.
- Fig. 26. Embryonal membrane, 500 diam. From the oviduct. For age, see Pl. 11, fig. 2. *Ch. picta*.
- Fig. 27. Embryonal membrane, 500 diam.; the egg had been laid about 18 days.
- Fig. 28. Amnios, 500 diam. For age, see Pl. 12, fig. 6.
- Fig. 29. Embryonal membrane, surface view; fig. 29a, profile; *a*, yolk; *b*, cells of the embryonal membrane; 500 diam. *Chelydra serpentina*. For age, see fig. 26, and Pl. 11, fig. 2.
- Fig. 30. The allantois, inner surface; fig. 30a, outer surface; *a*, cells of the inner surface; 500 diam. *Chelydra serpentina*. For age, see Pl. 15, fig. 1, 2, 3.
- Fig. 31. The embryonal membrane, (*a*), the amnios, (*b*), and the allantois (*c*) of an egg from which the young turtle is about hatching; fig. 31a, a single cell of each of these membranes; view from the outside of the egg; 500 diam. *Chelydra serpentina*. Laid June 21, opened Oct. 23, 1855.
- Fig. 32. A full-grown ovarian egg of *Cistudo virginea*, 3 diam.; to show the convergence of the bloodvessels around a central area and the Purkinjean vesicle on the left of it; fig. 32a, the Purkinjean vesicle as seen at the surface of the mature egg, 5 diam.
- Fig. 33. Yolk cell, and its segmenting mesoblast; fig. 33a, yolk cell almost filled by its mesoblast; fig. 33b, yolk cell filled by its mesoblast; 500 diam. From the oviduct; Aug. 7, 1856. *Cinosternum pennsylvanicum*.
- Fig. 34. Germinal layer; *a*, the outer surface; *b*, underside; 500 diam. *Chelydra serpentina*. For age, see Pl. 11, fig. 3. An alcoholic preparation.
- Fig. 35. Surface of the embryonic area; fig. 35a, germinal layer; 500 diam. From the oviduct; the egg had just commenced to segment; see Pl. 10, fig. 1, and 2; an alcoholic preparation. *Glyptemys insculpta*.
- Fig. 36, 36a, 36b, 36c. Yolk cells from close beneath the segmenting embryonic area (see Pl. 10, fig. 1, and 2).
- Fig. 37, 37a, 37b, 37c, 37d, yolk cells from the side of the same egg; 500 diam.; from the oviduct. *Glyptemys insculpta*. Fig. 38, 38a, 38b, 38c, 39, 39a, 39b, 39c, 39d, yolk cells; 500 diam. *Ozotheca odorata*, laid and opened Aug. 4, 1852. Fig. 40, 40a, 40b, 40c, 40d, 40e, 40f, 40g, 40h, 40i, 40j, 40k, 40l, yolk cells of *Chelydra serpentina*, laid June 20, opened Aug. 20, 1856; 500 diam. In all the figures from 36 to 40l, *a* is the ectoblast, *b* the mesoblast, *c* the entoblast.
- Fig. 41. Profile, and fig. 41a, view from above, nat. size of an egg of *Ozotheca odorata*. Laid and opened Aug. 4, 1852.
- Fig. 42. Surface of egg-shell, 40 diam.; fig. 43, section of the thickness of the egg-shell and its membrane; *a*, *a'*,