

- Fig. 12. Embryonic disc, about 5 diam. *Nanemys guttata*; from the oviduct, June 4, 1852.
- Fig. 13. The same as fig. 12; from the oviduct, June 3, 1852.
- Fig. 14. Embryonic disc, 12 diam.; from the oviduct, June 3, 1852. *Chrysemys picta*.
- Fig. 15. Embryonic disc, about 3 diam.; from the oviduct, May 29, 1854. *Glyptemys insculpta*. Fig. 15a, the same as fig. 15; the yolk, seen from above, nat. size.

PLATE XI.

[Fig. 1, 1a, 2, 3, 3a, 4, 4a, 4b, 5, 5b, 5c, from nature, by A. Sorel; fig. 5a, 6, 6a, 7, 7a, 7b, 8, 9, 9a, 9b, 10, 10a, 10b, 10c, by H. J. Clark.]

In all the figures, *a* is the region about the embryonic disc; *a'*, the cephalic hood; *a''*, the caudal hood; *a'''*, *a'''*, see Pl. 9c, fig. 4, 4a, 4b, *a''*, *a'''*; *a''''*, the end of the head; *b*, the primitive furrow; *c*, the area pellucida; *d*, the area vasculosa.

- Fig. 1. Embryo of *Chelydra serpentina*, 20 diam.; fig. 1a, the same as fig. 1, yolk and inner layer of albumen in profile, nat. size. Laid June 21; opened June 26, 1855.
- Fig. 2. Embryo of *Chelydra serpentina*, 20 diam.; period of laying unknown; opened June 16, 1854.
- Fig. 3. *Ch. serpentina*, 20 diam.; period of laying unknown, opened June 12, 1854 (in this figure, *a* should be *d*, as in fig. 2); fig. 3a, the same as fig. 3, yolk and inner layer of albumen in profile, nat. size.
- Fig. 4. *Ch. serpentina*, 20 diam.; period of laying unknown, opened June 12, 1854. Fig. 4a profile, and 4b from above, yolk and inner layer of albumen, nat. size.
- Fig. 5. *Ch. serpentina*, from above, fig. 5a from below; 20 diam.; laid June 23, 1855, at 9½ o'clock, A. M.; fig. 5 opened June 26, 1855, at 4 P. M., fig. 5a opened about 9 A. M., June 27, 1855; fig. 5b, profile of the whole egg of fig. 5 and 5a, nat. size; fig. 5c, the same as fig. 5b, seen as if cut through the middle to show the concave surface of the yolk, nat. size.
- Fig. 6. *Malacoclemmys palustris*, 18 diam.; laid and opened July 3d, 1855; fig. 6a, actual longitudinal section of fig. 5; 25 diam.
- Fig. 7. *Malacoclemmys palustris*, from above; fig. 7a, the same as fig. 7, from below; 20 diam.; fig. 7b, longitudinal section of fig. 7 and 7a, 25 diam.; laid July 2, opened July 3, 1855.
- Fig. 8. *Ozotheca odorata*, from below; fig. 8a, anterior end of fig. 8, from above, 30 diam.; laid July 16, opened July 12, 1855.

Fig. 9. *Oz. odorata*, from above; fig. 9b, actual longitudinal section of fig. 9; fig. 9a, actual transverse section across the middle of fig. 9; 26 diam.; laid and opened July 4, 1855.

Fig. 10. *Malacoclemmys palustris*, from above; fig. 10a, from below; fig. 10b, actual longitudinal section; fig. 10c, view of fig. 10 from front; 26 diam.; laid July 2, opened July 3, 1855.

PLATE XII.

[Figs. 2, 3, 3a, 3b, 4, 5, from nature, by A. Sorel; the others by H. J. Clark.]

In all the figures of this Plate, *a* designates the amnios; *a'*, the posterior bend of the cephalic hood; *a''*, the caudal hood; *a'''*, the point of disjunction of the subsidiary layer and of the germino-amniotic layer; *a''''*, the cephalic hood; *a'''''*, the basis of the cephalic hood; *c*, the area pellucida; *d*, the area vasculosa; *e*, the spinal marrow; *e'*, the upward folding borders of the brain; *e''*, the edge of the open medulla oblongata; *e'''*, the point where the brain is closed over; *e''''*, the caudal portion of spinal marrow; *f*, vertebrae; *f'*, the vertebral layer; *g*, the chorda dorsalis; *h*, the heart; *i*, the vena afferens; *i'*, the vena terminalis; *j*, the branchial arteries; *k*, the eyes; *l*, the ears; *m*, the branchial fissures; *o*, the abdominal aperture, and the basis of attachment to the amnios; *p*, the musculo-cutaneous layer.

- Fig. 1, from above; fig. 1a, from below; 25 diam. (In this figure, *c'* should be *e'*.) *Chelydra serpentina*; laid June 12, opened June 28, 1855.
- Fig. 2, from above, 25 diam. *Chelydra serpentina*; laid June 12, opened June 26, 1855.
- Fig. 3, from below, on partially darkened background; fig. 3a, the same as fig. 3, by transmitted light; fig. 3b, from above; 20 diam. *Ch. serpentina*; period of laying unknown, opened June 24, 1854.
- Fig. 4, from below, 22 diam. *Ch. serpentina*; period of laying unknown, opened June 24, 1854.
- Fig. 5. Three quarters view from below, 22 diam. *Ch. serpentina*; period of laying unknown, opened June 25, 1854.
- Fig. 6. Right side and in profile, 24 diam. *Nanemys guttata*; period of laying unknown, opened July 28, 1852.
- Fig. 7, from below, 5 diam. *Nanemys guttata*; period of laying unknown, opened July 28, 1852.
- Fig. 8, from above and to the left, 24 diam. *N. guttata*; laid July 18, opened July 30, 1852.