

- June 21, opened July 31, 1855; fig. 2a, a lung from fig. 2, 40 diam.
- Fig. 3. Lungs and windpipe, from below, slightly magnified; fig. 3a, the same as fig. 3, one lung is turned so as to show the broad side, 40 diam.; laid June 23, opened July 30, 1855.
- Fig. 4. Left lung and the windpipe, in profile, 25 diam.; laid June 12, opened July 29, 1855.
- Fig. 5. Left lung, the side next to the œsophagus, 25 diam.; laid June 23, opened Aug. 7, 1855.
- Fig. 6. Part of a trachea close to the lung, 40 diam.; period of laying unknown, opened Sept. 2, 1852.
- Fig. 7. Left side of the head and shoulders, 25 diam.; period of laying unknown, opened July 30, 1852; fig. 7a, head of fig. 7, seen from the end.
- Fig. 8. The right eye, 40 diam.; laid June 22, opened July 22, 1852.
- Fig. 9 and 9a, 25 diam.; period of laying unknown, opened Aug. 7, 1852. Fig. 9a, head, heart, and shoulders from below; fig. 9, region of the heart of fig. 9a, the right side. (In this figure, *r* should be *j*, and *j* should be *r*.)
- Fig. 10, 10a, 10b. The heart, 5 diam.; fig. 10, the ventral face; fig. 10a, the dorsal face; fig. 10b, the ventral face, the ventricle (*h'*) cut open. In all three figures, *h*, *h'*, indicates the pulmonary arteries; *h*, *h'*, the auricles; *h*, the ventricle; *pa*, the left aorta; the double vessel without letters is the right aorta; *vo*, valvular opening between the auricles and ventricle; *vl*, valves of *vo*; laid June 18, opened Sept. 3, 1855.
- Fig. 11. The head, from below to show the mouth, 3 diam.; laid June 21, opened Aug. 8, 1855.
- Fig. 12. The head of fig. 9a cut off and seen from behind, about 5 diam.
- Fig. 13. Posterior end of Pl. 12, fig. 1, from above, 250 diam.; fig. 13a, surface of fig. 13.
- Fig. 14. Posterior end of the left side of the body, 25 diam., seen on dark ground; laid July 14, opened Aug. 25, 1852.
- Fig. 15. Posterior end of the left side of the body, 8 diam.; period of laying unknown, opened July 31, 1852.

PLATE XXV.

[Fig. 2, 8, 9, 10, from nature, by A. Sorel; all the others by H. J. Clark.]

- Fig. 9. *Cistudo virginea*; fig. 10, 11, *Chrysemys picta*; fig. 12, *Ozotheca odorata*; the others, *Chelydra serpentina*.
- Fig. 1, 1a, 3, 3a, 9, 10, are lettered in the same manner: *bk*,

beak; *h*, heart; *h'* aorta; *n*, intestine; *n'*, stomach; *n'*, œsophagus; *n'*, anus; *n'*, urinary bladder, or in fig. 8, allantois; *n'*, remains of the neck of the yolk sac, or in fig. 3 and 3a, the whole yolk sac; *oh*, hyoid bone; *q*, Wolffian bodies; *r*, liver; *l*, windpipe; *l'*, lungs; *v*, nostrils; *x*, lower jaw in fig. 1a, opening of the mouth in fig. 9 and 10.

- Fig. 1. Intestines, heart, and liver, seen from below, 2½ diam.; period of laying unknown, opened Aug. 30, 1851. Fig. 1a, intestine stretched out, nat. size; fig. 1b, junction of the œsophagus and intestine, cut open, seen from within, 5 diam.; fig. 1c, piece of the long intestine laid open, 5 diam.; fig. 1d, piece of the thick intestine laid open, 5 diam.

Fig. 2. See below, after fig. 3 and 3a.

- Fig. 3. Cut open from below, nat. size, just hatched; fig. 3a, cut open from above; the yolk sac (*n'*) has lost part of its contents, and shrunk; the dotted line indicates its outlines when uninjured.

Fig. 2, 4, 5, 6, 6a, 7, 7a, are lettered in the same manner: *a*, the Wolffian bodies; *a'* in fig. 6b is the same as *d*; *b*, kidneys; *b'*, posterior, and *b''* anterior end of *b*; *c*, duct of Wolffian body; *c''*, posterior opening of *c*; *d*, abdominal veins, see also *a'* above, in fig. 6b; *e*, ureters of the kidneys; *f*, vas deferens of the testicle (*n*); *g*, anal pouches; *g'*, aperture of *g*; *h*, dorsal or abdominal artery, or in fig. 2, the heart; *h'*, arteries going to the hind legs; in fig. 2, it is the aorta; *i*, vena afferens; in fig. 6 and 7, it is put by mistake for the vessels which go to the Malpighian corpuscles; *j*, *j'*, forks of the omphalo-mesenteric artery; *k*, intestine; *l*, cloaca; *m*, anus; *m'*, opening of the intestine into the cloaca; *n*, genital organ; *n'*, anterior prolongation of *n*; *o*, allantois; *r*, liver; *v*, gall cyst.

- Fig. 2. Heart, liver, Wolffian bodies, and kidneys, seen from the right side, 6 diam.; laid June 18, opened Sept. 4, 1855.

Fig. 4. Left Wolffian body in profile, 6 diam.; laid June 12, opened Aug. 13, 1855.

Fig. 5. Piece of the left Wolffian body and kidney, 12 diam.; period of laying unknown, opened Aug. 31, 1852.

Fig. 6. Wolffian bodies and kidneys, from above, 6 diam.; fig. 6a, the same as fig. 6, from below; fig. 6b, transverse section of fig. 6, and 6a; laid June 12, opened Aug. 29, 1855.

Fig. 7. Left Wolffian body and kidney, from below, 5 diam.; fig. 7a, upper side of fig. 7, the upper end is the anterior. Just hatched.

Fig. 8. An embryo deprived of its envelopes, 2 diam.; the same as Pl. 15, fig. 4, 5, 5a, 6.

Fig. 9. Head of Pl. 18, fig. 10d, 3½ diam.