- Fig. 15. A medusa just dropped from the hydra. Feb. 14, 1855. Natural size.
- Fig. 15. The same as fig. 15, ungnified about 40 diameters. a remains of the chymiferous channel of the peduncular attachment; b outer wall of the proboscis; c radiating tubes; c¹ circular tube; d fold of the innermost wall; d¹ transverse fold of the inner wall; c aperture of the proboscis.
- Fig. 16. A young free medusa, in a dying state, compressed and folded longitudinally. Seen from the abactinal end. a innermost wall receding from the disk (b); c radiating tubes; d digestive cavity. 100 diameters.
- Fig. 17. View from the abactinal end of a medusa a little older than fig. 15^a. a the veil; b circular tube; c proboscis; d digestive cavity; c innermost wall; c^b point of attachment of c to the disk. 100 diams.
- Fig. 18. About the same age as fig. 17, but very much contracted. a longitudinal folds; b c corrugated lines on the outer surface of the disk. 125 diameters.
- Figs. 19, 20, 21, 22, 23, and 24 are all lettered alike.
 v the vitelline sae; y yolk; p Purkinjean vesicle;
 w Wagnerian vesicle; v/ Valentinian vesicle.
- Figs. 19, 20, 22, 23, and 24. Various stages of development of the eggs of a full-grown free medusa. May 17, 1855. 500 diameters.
- Fig. 21. An egg from fig. 15, Pl. XVII. 500 diameters.
 Fig. 21a. A layer of eggs from fig. 15, Pl. XVII. a outer and b inner wall of the proboscis. 400 diameters.
- Figs. 25 and 25a. Spermatic particle of a full-grown free medusa. Fig. 25, 500 diameters; fig. 25a exaggerated, the better to show the form.

PLATE XIX.

CORYNE MIRABILIS Ag.

[All the figures are drawn from nature by H. J. Clark.]

- Fig. 1. A portion of the body and a tentacle of a hydra, showing the furrows g g^1 in the outer wall b b^1 . f globular mass of lasso-cells. 500 diameters.
- Fig. 2. Portion of the body and a sectional view of a partially extended tentacle. a outer wall of the body in profile; a¹ the same as a, in a full view; a² a³ a⁴ cells of the inner wall of the tentacle; b outer wall of the body; b⁴ outer wall of the tentacle; c horn-like sheath; d outline of the digestive cavity; e space between the outer and inner walls of the tentacle;

- I layer of lasso-cells at the tip of the tentacle; g processes around the mesoblast of the cells of the tentacle. 400 diameters.
- Fig. 3. Surface view of a tentacle. a b cells of the inner wall; c outer wall; d e g profile of cell walls of a b; f globular mass of tentacles. 300 diameters.
- Fig. 4. Sectional view of the body just below the tentacles. a inner wall; b outer wall; c horn-like sheath; d digestive cavity. 500 diameters.
- Fig. 5. Lasso-cell of a hydra. a wall of the cell; b
 b b b axial column, which corresponds to the base of the lasso-thread; c the anchors; d coil of the lasso;
 f aperture. 1100 diameters.
- Fig. 5s. The same as fig. 5 uncoiled. a the empty cell; b thicker part of the base of the lasso-thread; b' where the thread begins to taper; c c' the anchors or barbs, c' is seen through b; d the thread; d' end of the basal portion; c cavity of a; f aperture of the cell.
- Fig. 6. Lasso-cell from the probose of a full-grown free medusa. a profile of the spiral coil d; f aperture of the cell. 1100 diameters.
- Fig. 69. The same as fig. 6, but the basal portion of the thread everted. a the inverted thread passing through the basal part back to the coiled part d.
- Fig. 7. Edge of the disk and a tentacle of fig. 13, Pl. XVIII., principally to show the cellular structure of the outer wall (a¹) of the tentacle, and disk (a); b wall of the radiating tube; b¹ inner wall of the tentacle, continuous with b; c circular canal; d cavity at the base of the tentacle; d¹ channel of the tentacle; e innermost wall of the disk. 400 diameters.
- Fig. 7a. The outer wall of the disk of fig. 7 in profile, and more highly magnified. a outer ends; b inner ends. 500 diameters.
- Fig. 7b. Superficial or end view of fig. 7a.
- Fig. 8. Eye-speck of fig. 15", Pl. XVIII. u outer wall, and v inner wall, of the exterior base of the tentacle; w a lasso-cell. 1100 diameters.
- Fig. 8a. A few oily globules from the dark mass of fig. 8.
- Fig. 9. The edge of the disk and the base of a tentacle of the medusa of fig. 12, Pl. XVII. a outer wall of the tentacle; b circular tube; d entrance of b into the radiating tube (c); c innermost wall of the disk. 200 diameters.
- Fig. 10. Profile section of a part of the disk and radiating tube of a medusa about ready to drop from the hydra. a wall of the tube; b innermost wall, and b middle wall, of the disk; c outermost wall. 500 diameters.