

PLATE XV., OSTRACODA AND AGNOSTUS (part).

FIG. 1. *Lepiditta atata*. *a*, outer surface of left valve. *b*, cast of interior of right valve. Mag. $2\frac{1}{2}^{\circ}$. From Div. 1 *c*², St. John, N. B. See p. 194.

FIG. 2. *Lepiditta curta*. Interior of left valve. Mag. 1° . From Div. 1 *d*¹, St. Martin's, N. B. See p. 195.

FIG. 3. *Lepiditta auriculata*. *a*, left valve showing faint concentric lines and the ligamental (?) groove at the hinge. *b*, same, hinge line in profile. Mag. $\frac{1}{2}$. From shales of Div. 1 *c*, St. Martin's. See p. 196.

FIG. 4. *Aluta flexilis* n. g. et sp. left valve (with lower margin restored) showing ocular (?) tubercle, Mag. $\frac{1}{2}$. From conglomerate limestone band in Div. 1 *c*¹, St. Martin's, N. B. See p. 198.

FIG. 5. *Primitia Acadica*. *a*, left valve. *b*, longitudinal section. *c*, transverse section. Mag. $\frac{1}{2}$. From Div. 1 *c*¹, St. Martin's, N. B. See p. 196.

FIG. 6. *Agnostus fallax* var. *vir*. Complete, somewhat flattened. Mag. $\frac{2}{3}$. From Div. 1 *c*², St. John, N. B. See p. 215.

FIG. 7. *A. fallax* var. *concinuus*. *a*, head shield. *b*, a joint of the thorax. *c*, Pygidium. Mag. $\frac{3}{4}$. From Div. 1 *d*¹, St. Martin's, N. B. See p. 216.

FIG. 8. Same variety. *a*, head shield of young larva retaining embryonic (Protaspis-like) features. Mag. 2° . *b*, young pygidium showing somites and posterior tubercle on rachis, effaced in later stages. Mag. $1\frac{1}{2}^{\circ}$. Both from Div. 1 *d*¹, St. Martin's, N. B. See p. 216.

FIG. 9. *A. fallax* var. *trilobatus*, n. var. Pygidium. Mag. $\frac{3}{4}$. From Div. 1 *c*¹, St. John, N. B. See p. 216.

FIG. 10. *Agnostus Acadicus*, Hartt. *a*, head shield. *b*, pygidium. Mag. $\frac{3}{4}$. From Div. 1 *c*¹, St. John, N. B. See p. 217.

FIG. 11. *A. Acadicus* var. *declivis*. *a*, head shield. *b*, pygidium. Mag. $\frac{1}{2}$. *c*, larval pygidium showing embryonic features. Mag. $1\frac{1}{2}^{\circ}$. *d*, adult pygidium in the rachis of which are six somites. Mag. $\frac{1}{2}$. All from Div. 1 *d*¹, St. Martin's, N. B. See p. 219.