

RAPÆ—*Rapæ*. Feeds on Rape. (*Brassica Rápæ*).

OLERACEA—*Olerá'cea*. Feeds on Cabbage (*Brassica Olerácea*).

COLIAS—*Cólias*. A surname of Venus from a promontory in Attica where she was worshipped.

NOTES ON SOME OF THE COMMON SPECIES OF CARABIDÆ, FOUND IN TEMPERATE NORTH AMERICA.

BY PHILIP S. SPRAGUE.

ARTICLE NO. IV.

Harpalus (*Carabus*) *pensylvanicus*, Degeer. Mem. Ins. IV. 108. Reddish brown; head dusky; shells striate; body beneath, antennæ and feet testaceous. Inhab. Penn. N. A. Tast p. 104, t. IV. f. 22, Degeer.

H. (C.) pensylvanicus. Winged; body above black; beneath ferruginous. N. A. Fab. Syst. Elut. I. 195.

H. (C.) pensylvanicus. Resembles *ruficornis*. Head black; thorax almost square, with a longitudinal line impressed in the middle and two posterior impressions; elytra black, striated; body beneath brown, more or less clear. Oliv. III. 57, t. XI. f. 92 b.

H. bicolor, Say. Head black; mouth and antennæ rufo-testaceous; gula piceous; thorax glabrous on the disk; a dorsal impressed line; area of hind angles impressed and confluent punctured; posterior angles rounded; elytra striate; striæ impunctured; margin with numerous punctures; pectus and post-pectus piceous-black; piceous on the disk, with obsolete punctures; feet testaceous pale; venter piceous-black; tail paler. Trans. Amer. Philo. Soci. II. 26.

H. faunus, Dej., and *flavipes*, Dej., Cat. 3rd ed. p. 15. Oblong oval; above black; thorax nearly square; on both sides behind punctured; basal foveæ distinct; posterior angles nearly right; elytra striate; sides obsoletely punctured; behind obliquely sinuate; antennæ and feet testaceous. Dej. Sp. IV. 254. The foregoing descriptions are supposed by Dr. LeConte to refer to one and the same species described by Degeer as *Carabus pensylvanicus*, and this decision is now acquiesced in by other entomologists. This example of the lack of minute and systematic description is only one of the many; in fact it is the rule, as you will see by the many synonyms attached to other species, and is the great difficulty all students experience in determining them.

Harpalus pensylvanicus, Dej, N. A. Long. .55 in. (45-65). Broad oblong oval, above usually dull black; sub-Alpine and northern varieties blacker and more shining; legs, antennæ and mouth testaceous yellow; thorax one-fourth broader than long, scarcely narrowed behind the middle; sides broadly rounded and strongly depressed; the margin is quite narrow at