

§ 12.

AGRICULTURE.

Professor.—GEORGE BUCKLAND, ESQ.

Subjects of Lectures :

I.—History of the Art.

- (a) Agriculture as understood and practised by the Ancients.
- (b) Agriculture during the Middle Ages.
- (c) Modern Agriculture.

II.—The Science of Agriculture.

- (a) Soils: their origin, composition, distribution, classification &c. Relation of Geology, Chemistry, and Mechanical Arts.
- (b) Plants: their structure, composition, growth, &c. Manures; theory, action, and relative value of; modes of preparing applying, and economizing.
- (c) The Domestic Animals of the Farm: history and description of varieties or breeds; the principles of breeding, with biographical sketches of the more distinguished breeders; diseases and treatment. Relations of Animal Physiology to breeding, feeding, &c.
- (d) Influence of Climate on Agricultural Productions, both animal and vegetable. Value of a knowledge of Meteorology and Physical Geography to Farmers.

III.—The Practice of Agriculture.

- (a) Methods of acquiring a practical knowledge of Farming. Importance of an Agricultural Literature. Connection of Theory and Practice.
- (b) Principles of Cultivation: Implements of Tillage illustrated and described.