(*Books of reference*—Lyell's Elements and Principles of Geology; Murchison's Siluria; Pictet's Paléontologie; Geology of Canada, by Logan and Hunt; Johnston's Quarto Atlas of Physical Geography; Synopsis of Professor Chapman's Lectures; Professor Chapman's Examples of the Application of Trigonometry to the Calculation of Crystal Axes.)

*** In addition to these courses, a separate course of elementary and practical Lectures, on the *Minerals* and *Geology* of *Canada*, is given during the months of February and March. This course is especially intended to meet the requirements of Provincial Land Surveyors, and Architects generally.

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§ 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. Relations of Geology, Chemical and Mechanical Analyses.

(*b*) Plants: their structure, composition, growth, &c. Manures: theory, action and relative value of; modes of preparing, applying, and economizing. Relations of Chemistry and Botany to Agriculture.

(*c*) The domesticated 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.