

B, 2. Sub-divisions, mineral characters, distinctive fossils, and economic substances, of Canadian rocks.

B, 3. Connected view of Canadian Geology, showing the distribution and grouping of the various formations throughout the Province.

(*Books of Reference*—Dana's System of Mineralogy; Dana's Manual of Geology; 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 Mining Engineers.

§ 9.

METEOROLOGY.

Professor—G. T. KINGSTON, M.A.

Subjects of Lectures :

Nature and object of the Science.

Properties of heat and gaseous bodies.

Construction and use of meteorological instruments and tables.
Mode of registering and classifying meteorological observations.

Reduction of observations at a given station. Diurnal and annual variation of the meteorological elements, deduced from a series of hourly observations. Calculation of the normal values of the several elements proper to any given epoch of the day and year. Non-periodic variations.

Geographical distribution of the meteorological elements, derived from the combination of the results obtained at different stations. Construction of Charts exhibiting isothermal, thermic isabnormal and isobarometric lines, &c.

Physical causes which regulate the variations of the meteorological elements, and their geographical distribution.