Affinity, Laws of combining Proportion, Chemical Nomenclature, and Notation: Heat and Electricity being only slightly touched on. Especial attention will be directed to Inorganic Chemistry, and the Organic division given only in outline.

The course will be illustrated by experiments.

(*Text-book*—Chemistry, in Chambers's Educational Course.)

SECOND YEAR.

CHEMISTRY AND CHEMICAL PHYSICS.

Origin and history of Chemistry—connexion with other sciences.

General properties of matter—adhesion and cohesion—crystallization—specific gravity, &c.

Heat—expansion—thermometers—ventilation—change of state of aggregation—vapours.

Light—as a chemical agent—Photography, &c

Statical Electricity—Galvanism—Magnetism—Electromagnetism—Electric Telegraph—Thunder storms, &c.

Chemical affinity—nomenclature—law of equivalents—atomic theory.

Non-metallic elements—their combinations.

Metallic elements—their ores and combinations.

Vegetable Chemistry.

Animal Chemistry.

Application of Chemistry to Agriculture and to Physiology.