

NOTE.—For female teachers, Euclid may be omitted, and the chapter on the Economy of the Household, pp. 171-188 of Dr. Ryerson's First Lesson on Agriculture, may be substituted for it.

(19.) *Natural Philosophy*.—As for second class teachers; and, in addition, to be acquainted with dynamics, hydrodynamics, and acoustics, pp. 109-167 Sangster's Natural Philosophy, Part I.

(20.) *Chemical Physics*.—To have a good general acquaintance with the subjects of heat, light, and electricity.

(21.) *Chemistry*.—As for second-class teachers; and to be familiar with the definitions, nomenclature, laws of chemical combination, and to possess a general knowledge of the chemistry of the metalloids and metals (Roscoe).

(22.) *Human Physiology*.—As for second-class teachers. (See note to clause (21) of this chapter).

(23.) *Natural History*.—General view of animal kingdom; characters of principal classes, orders, and genera (Ellis' Natural History).

(24.) *Botany*.—Vegetable physiology and anatomy; systematic botany; flowering plants of Canada (Gray's "How Plants Grow.")

(25.) *Agricultural Chemistry*.—Proximate and ultimate constituents of plants and soils; mechanical and chemical modes of improving soils; rotation of crops, &c. &c. (Dr. Ryerson's First Lessons on Agriculture).

CHAPTER XIII.

REGULATIONS IN REGARD TO THE SUPER- ANNUATION FUND.

I. The regulations for the administration of the Superannuated Teachers' Fund, adopted by the Council of Public Instruction, are as follows :

(1.) Teachers who become superannuated, or worn out, on or *before* the 1st day of January, 1854, and who produce the proofs required by law, of character and services as such, may share in this Fund according to the number of years they have respectively taught a public school in Ontario, by depositing with the Chief Superintendent of Education the preliminary subscriptions to the fund required by law.

(2.) Every teacher engaged in teaching *since* 1854, in order to be entitled, when he shall have become superannuated or worn out, to share in this fund, must have contributed* to it at the rate of five