

from it, its age must be considered as undetermined, and he is now inclined to regard it as the equivalent of the Potsdam sandstone. The small oval marks engraved on the area of the hypogene rocks on the north shore of Lake Superior, indicate points where Capt. Bayfield has seen this sandstone overlying the granitic rocks.

a. Hypogene (Granite, Gneiss, &c.)—Under this head I have comprehended all the formations formerly called primitive or primary, whether stratified or unstratified, plutonic or metamorphic. They are non-fossiliferous, and I have discussed their chronological relations in the 21st chapter, at pp. 108 to 112, Vol. II

b. Trap Rocks.—Trappean rocks of various ages are indicated by crosses, which it will be observed are different from those used for the Eocene strata.

c. Metamorphic Limestone.—The non-fossiliferous crystalline limestones or marble of the hypogene or primary class are indicated by this character.

Note.—I have to acknowledge the co-operation of Mr. Woodward of the Geological Society in assisting me in collecting the various maps from which the present one has been compiled, and in selecting and arranging the colours.

PLATE III.

Map of the Niagara District.

The signification of the six subdivisions of the Silurian system of New York, represented in this map, will be understood by referring to the preceding description. It will be seen that the Helder-