

	PAGE
CHAPTER VI.	
Origin of the ore.....	67
Primary nature of ore beds.....	67
Conditions during deposition.....	68
Evidence from fossils.....	69
Primary formation of spherules.....	70
Source of the iron.....	71
Evidence from absence of limestone.....	72
Mode of precipitation of the iron.....	73
Evidence from fossil algæ in ore.....	74
Formation of oolites by physical processes.....	79
Origin of siderite and its relations to hematite and chamosite.....	80
CHAPTER VII.	
Occurrences of iron ores of similar age and character.....	83
CHAPTER VIII.	
Origin of the pyrite beds.....	89
CHAPTER IX.	
Conclusion.....	93
CHAPTER X.	
Bibliography.....	95
INDEX.....	157

ILLUSTRATIONS.

Plate I. Microphotograph in colours of coiled tubules of boring algæ in spherules.....	Frontispiece
II. A. Lower Cambrian basal conglomerate of Manuels brook	103
B. Lenticular sandstone beds with sandy shales on south shore of Bell island.....	103
III. A. Lenticular sandstone parting in iron ore.....	105
B. General view of iron ore beds on north shore Bell island	105
IV. Dominion bed, face in surface stripping.....	107
V. Oolitic pyrite bed.....	109
VI. Scotia bed with overlying sandy shales at surface stripping.	111
VII. Detail of upper part of Scotia bed.....	113
VIII. Cross-bedding in oolitic ore of Scotia bed.....	115
IX. Ore beds of zone 5 on north shore of Bell island.....	117