

TABLE OF CONTENTS.

	PAGE
OBJECT OF THE INVESTIGATION.....	1
BRIEF OUTLINE OF SOME OF THE METHODS EMPLOYED IN THE INVESTIGATION....	1-4
1. Determination of the Specific Gravity.....	1
2. Determination of the Volatile matter.....	2
3. Determination of the Ash.....	2
4. Preparation of the Ash for analysis.....	2
5. Determination of the Relative Combustibility of the graphite.....	2
A. The Apparatus.....	2
B. Preparation of the graphite.....	3
C. Manner of conducting the experiments.....	3
CANADIAN GRAPHITE.....	4-16
DISSEMINATED GRAPHITE.....	4-7
Analyses of "Disseminated Graphite" from Buckingham.....	4
Method employed for the separation of the Graphite from the "Disseminated Graphite.".....	7
DRESSED GRAPHITE.....	7-12
Analyses of "Dressed Graphite" prepared at the works of the Dominion of Canada Plumbago Company.....	7
Analyses of "Dressed Graphite" prepared at the works of the Canada Plumbago Company (Montreal Plumbago Mining Company).....	10
On the further purification of the foregoing "Dressed Graphites".....	10
VEIN GRAPHITE.....	12-16
Analyses of Vein Graphite from Buckingham.....	12
Analyses of Vein Graphite from Grenville.....	14
CEYLON GRAPHITE.....	16-18
Analyses of Vein Graphite from Ceylon.....	16
UNITED STATES GRAPHITE.....	18-19
Analyses of Vein Graphite from Ticonderoga.....	18
TABLE I.—Showing the Composition of Canadian, Ceylon and United States Graphite.....	19
TABLE II.—Showing the relative Combustibility of Canadian and United States Graphite as compared with that of Ceylon.....	21
Relative value of Canadian Graphite as compared with that of Ceylon for the manufacture of Black-lead Crucibles.....	22
ON THE FELSPAR FOUND ASSOCIATED WITH THE VEIN GRAPHITE OF BUCKINGHAM.....	23-24
Analyses of Orthoclase from Buckingham.....	23