

CANADA
DEPARTMENT OF MINES

HON. CHARLES STEWART, Minister; CHARLES CAMSELL, Deputy Minister

MINES BRANCH

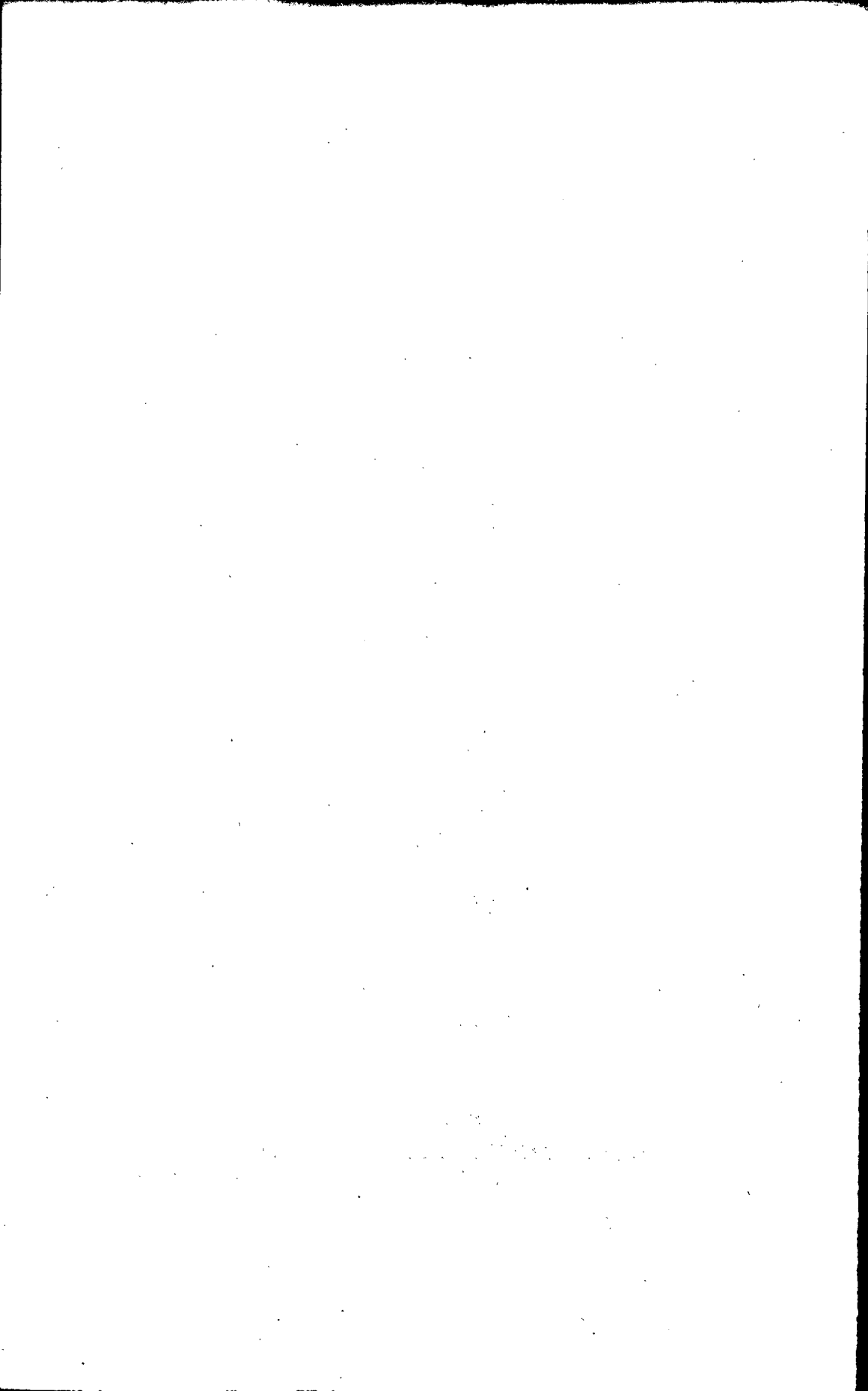
JOHN McLEISH, Director

Catalogue of
Mines Branch Publications, with
Alphabetical Guide



OTTAWA
F. A. ACLAND
PRINTER TO THE KING'S MOST EXCELLENT MAJESTY
1924

No. 624



INSTRUCTIONS TO APPLICANTS FOR MINES BRANCH
PUBLICATIONS

General instructions

The reports of the Mines Branch deal with the investigations of the mineral resources of Canada from a technical and economic standpoint and have permanent scientific value. Special care has been taken in their preparation and printing and most of them are well illustrated. It has been considered proper, therefore, to make a small charge for each publication, generally less than the cost of printing. A single copy of each publication will be sent *free*, however, to any *bona fide* applicant in Canada who may be particularly interested in the district or subject to which the report relates.

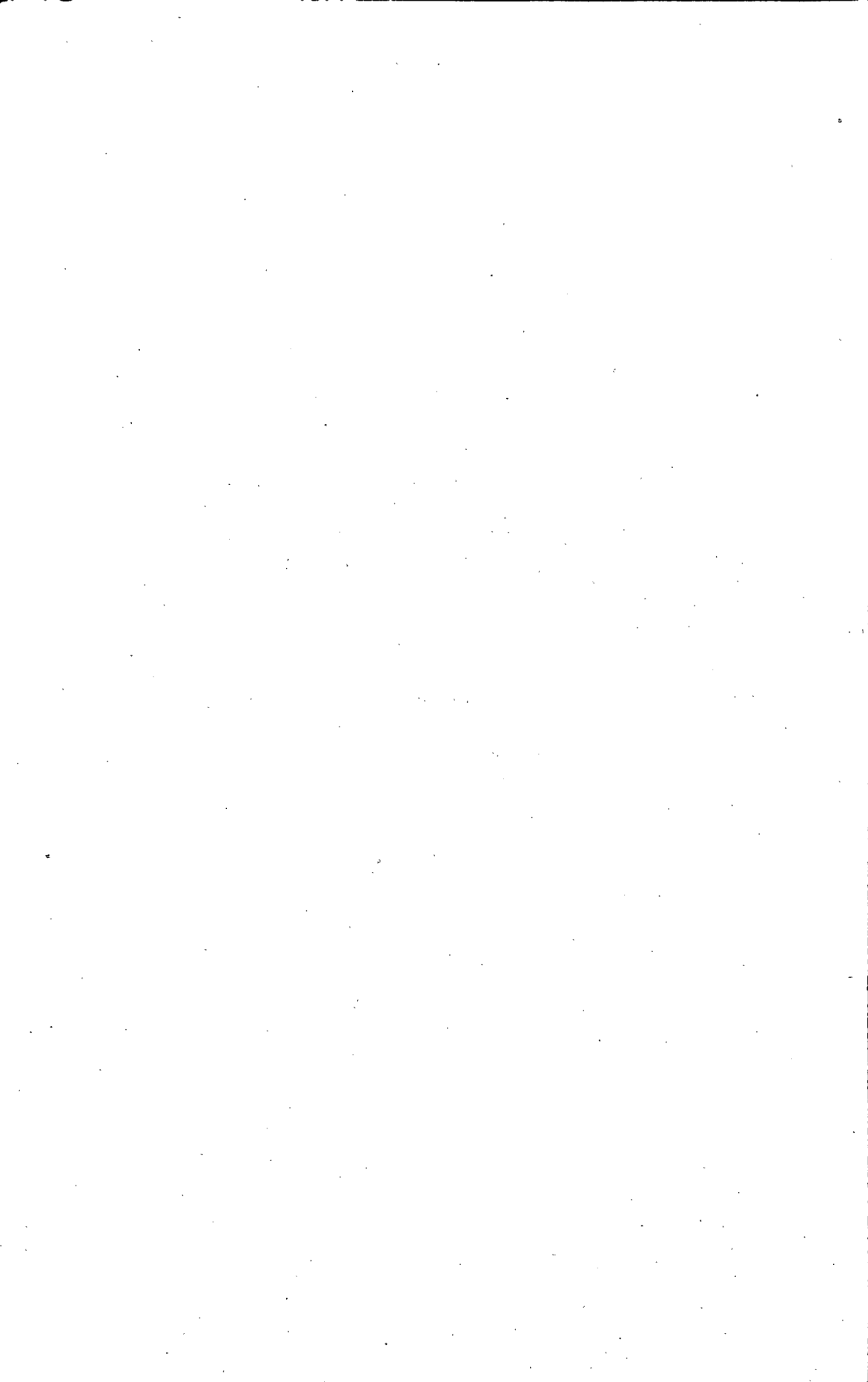
There is one condition imposed on applicants for publications which it is imperative should be strictly complied with, namely, that the acknowledgment form accompanying the publication should be filled in and returned promptly to the Mines Branch office, in order that the official records of the Department of Mines may be accurately kept, and public interest in the industrial progress of the country intelligently gauged.

Specific instructions

- (1) Reports and maps marked thus (*) are out of print.
- (2) Publications may be ordered by their respective distinguishing numbers.
- (3) The letters (E) and (F) placed before publication numbers denote the English and French editions, respectively.
- (4) All inquiries and applications for Mines Branch publications should be addressed to—

JOHN McLEISH,

Director, Mines Branch,
Department of Mines,
Sussex Street, Ottawa.



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JOHN McLEISH, Director

REPORTS

- *1. Mining conditions in the Klondike, Yukon. Report on—by Eugene Haanel, Ph.D., 1902.
- *2. Great landslide at Frank, Alta. Report on—by R. G. McConnell, B.A., and R. W. Brock, M.A., 1903.
- *3. Investigation of the different electro-thermic processes for the smelting of iron ores and the making of steel, in operation in Europe. Report of Special Commission—by Eugene Haanel, Ph.D., 1904.
5. On the location and examination of magnetic ore deposits by magnetometric measurements—by Eugene Haanel, Ph.D., 1904. 132 pp., 8 pls.
- *7. Limestones, and the lime industry of Manitoba. Preliminary report on—by J. W. Wells, M.A., 1905.
- *8. Clays and shales of Manitoba: their industrial value. Preliminary report on—by J. W. Wells, M.A., 1905.
- *9. Hydraulic cements (raw materials) in Manitoba; manufacture and uses of. Preliminary report on—by J. W. Wells, M.A., 1905.
- (E) *10. Mica: its occurrence, exploitation, and uses—by Fritz Cirkel, M.E., 1905. (See No. 118.)
- (F) *264. *11. Asbestos: its occurrence, exploitation, and uses—by Fritz Cirkel, M.E., 1905. (See No. 69.)
- *12. Zinc resources of British Columbia and the conditions affecting their exploitation. Report of the Commission appointed to investigate—by W. R. Ingalls, M.E., 1905.
- *16. Experiments made at Sault Ste. Marie, under Government auspices, in the smelting of Canadian iron ores by the electro-thermic process. Final report on—by Eugene Haanel, Ph.D., 1907.
- *17. Mines of the silver-cobalt ores of the Cobalt district: their present and prospective output. Report on—by Eugene Haanel, Ph.D., 1907.
- (E) *18. Graphite: its properties, occurrences, refining, and uses—by Fritz Cirkel, M.E., 1907.
- (F) *202. *19. Peat and lignite: their manufacture and uses in Europe—by Erik Nystrom, M.E., 1908.
- (E) *198. (F) *20. Iron ore deposits of Nova Scotia. Report on (Part I) by J. E. Woodman, D.Sc., 1909.
- *21. Summary report of Mines Branch, 1907-8.
- *22. Iron ore deposits of Thunder Bay and Rainy River districts. Report on—by F. Hille, M.E., 1908.

*Publications marked thus * are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.

- *23. Iron ore deposits along the Ottawa (Quebec side) and Gatineau rivers. (Report on—by Fritz Cirkel, M.E., 1909.
24. General report on the mining and metallurgical industries of Canada, 1907-8. 972 pp., 75 pls., 16 figs.
- (E) *25. The tungsten ores of Canada. Report on—by T. L. Walker,
(F) *156. Ph.D., 1909.
- (E) 26. The mineral production of Canada, 1906. Annual report on—
(F) 26b. by John McLeish, B.A.
- *27. The mineral production of Canada, 1907. Preliminary report on—by John McLeish, B.A.
- *27a. The mineral production of Canada, 1908. Preliminary report on—by John McLeish, B.A.
- *28. Summary report of Mines Branch, 1908.
- (E) *29. Chrome iron ore deposits of the Eastern Townships. Mono-
(F) *226. graph on—by Fritz Cirkel, 1909. (Supplementary section: Experiments with chromite at McGill University—by J. B. Porter, E.M., D.Sc.)
30. Investigation of the peat bogs and peat fuel industry of Canada, 1908. Bulletin No. 1—by Erik Nystrom, M.E., and A. Anrep, Peat Expert.
32. Investigation of electric shaft furnace, Sweden. Report on—by Eugene Haanel, Ph.D., 1909. 40 pp., 3 pls., 8 figs.
47. Iron ore deposits of Vancouver and Texada islands. Report on—by Einar Lindeman, M.E., 1910.
- (E) *55. The bituminous, or oil-shales of New Brunswick and Nova
(F) *56. Scotia; also on the oil-shale industry of Scotland. Report on—by R. W. Ellis, LL.D., 1910.
- *58. The mineral production of Canada, 1907 and 1908. Annual report on—by John McLeish, B.A.

NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1907-8.

- *31. Production of cement in Canada, 1908.
- *42. Production of iron and steel in Canada during the calendar years 1907 and 1908.
- *43. Production of chromite in Canada during the calendar years 1907 and 1908.
- *44. Production of asbestos in Canada during the calendar years 1907 and 1908.
- *45. Production of coal, coke, and peat in Canada during the calendar years 1907 and 1908.
- *46. Production of natural gas and petroleum in Canada during the calendar years 1907 and 1908.
59. Chemical analyses of special economic importance made in the laboratories at the Department of Mines, 1906-07-08. Report on—by F. G. Wait, M.A., F.C.S. (With appendix on the commercial methods and apparatus for the analyses of oil-shales—by H. A. Leverin, Ch.E.)
- Schedule of charges of chemical analyses and assays.

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- *62. Mineral production of Canada, 1909. Preliminary report on—
by John McLeish, B.A.
- *63. Summary report of Mines Branch, 1909.
- (E) 67. Iron deposits of the Bristol mine, Pontiac county, Quebec.
- (F) 314. Bulletin No. 2—by Einar Lindeman, M.E., and Geo. C. Mackenzie, B.Sc., 1910.
- (E) *68. Recent advances in the construction of electric furnaces for
(F) *263. the production of pig iron, steel, and zinc. Bulletin No. 3—by Eugene Haanel, Ph.D., 1910.
- (E) *69. Chrysotile-asbestos: its occurrence, exploitation, milling, and
(F) *81. uses. Report on—by Fritz Cirkel, M.E., 1910. (Second edition enlarged.)
- *71. Investigation of the peat bogs and peat industry of Canada, 1909-10; to which is appended Mr. Alf. Larson's paper on Dr. M. Ekenberg's wet-carbonizing process; from *Teknisk Tidsskrift*, No. 12, December 26, 1908—translation by Mr. A. Anrep, Jr.; also a translation of Lieut. Ekelund's pamphlet entitled "A solution of the peat problem," 1909, describing the Ekelund process for the manufacture of peat powder, by Harold A. Leverin, Ch. E. Bulletin No. 4—by A. Anrep. (Second edition, enlarged.)
82. Magnetic concentration experiments. Bulletin No. 5—by Geo. C. Mackenzie, B.Sc., 1910.
- (E) 83. An investigation of the coals of Canada with reference to their
(F) *308. economic qualities: as conducted at McGill University under the authority of the Dominion Government. Report on—by J. B. Porter, E.M., D.Sc., R. J. Durley, M.A.E., and others, 1912.
Vol. I.—Coal washing and coking tests. 233 pp., 57 pls., 56 figs.
Vol II—Boiler and gas producer tests. 184 pp., 17 pls., 25 figs.
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Coal washing tests and diagrams.
*Vol. IV—
Appendix II
Boiler tests and diagrams.
*Vol. V—
Appendix III
Producer tests and diagrams.
*Vol. VI—
Appendix IV
Coking tests.
Appendix V—
Chemical tests.
- (E) *84. Gypsum deposits of the Maritime Provinces of Canada—
(F) *233. including the Magdalen islands. Report on—by W. F. Jennison, M.E., 1911. (See No. 245.)

*Publications marked thus * are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.

- *88. The mineral production of Canada, 1909. Annual report on—
by John McLeish, B.A.

NOTE.—*The following parts were separately printed and issued in advance of the Annual Report for 1909.*

- *79. Production of iron and steel in Canada during the calendar year 1909.
- *80. Production of coal and coke in Canada during the calendar year 1909.
- *85. Production of cement, lime, clay products, stone, and other structural materials during the calendar year 1909.
89. Proceedings of conference on explosives, 1911. (Fourth edition.)
- *90. Reprint of presidential address delivered before the American Peat Society at Ottawa, July 25, 1910. By Eugène Haanel, Ph.D.
92. Investigation of the explosive industry in the Dominion of Canada, 1910. Report on—by Capt. Arthur Desborough. (Fourth edition.)
- (E) *93. Molybdenum ores of Canada. Report on—by Professor T. L.
- (F) *197. Walker, Ph.D., 1911.
- (E) 100. The building and ornamental stones of Canada: Building and ornamental stones of Ontario. Report on—by Professor W. A. Parks, Ph.D., 1912. 365 pp., 77 pls., 21 drawings.
- (F)*100a. 102. Mineral production of Canada, 1910. Preliminary report on—by John McLeish, B.A.
- *103. Summary report of Mines Branch, 1910.
- *104. Catalogue of publications of Mines Branch, from 1902 to 1911: containing tables of contents and list of maps, etc.
- (E) 105. Austin Brook iron-bearing district. Report on—by E. Lindeman, M.E., 1913.
- (F) 219. 110. Western portion of Torbrook iron ore deposits, Annapolis county, N.S. Bulletin No. 7—by Howells Frechette, M.Sc., 1912.
111. Diamond drilling at Point Mamainse, Ont. Bulletin No. 6—by A. C. Lane, Ph.D.; with introductory by A. W. G. Wilson, Ph.D., 1912.
- *118. Mica: its occurrence, exploitation, and uses. Report on—by Hugh S. de Schmid, M.E., 1912.
142. Summary report of Mines Branch, 1911.
143. The mineral production of Canada, 1910. Annual report on—by John McLeish, B.A.

NOTE.—*The following parts were separately printed and issued in advance of the Annual Report for 1910.*

- *114. Production of cement, lime, clay products, stone, and other structural materials in Canada, 1910.
- *115. Production of iron and steel in Canada during the calendar year 1910.

*Publications marked thus * are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.

- *116. Production of coal and coke in Canada during the calendar year 1910.
- *117. General summary of the mineral production of Canada during the calendar year 1910.
- (E) 145. Magnetic iron sands of Natashkwan, Saguenay county, Que.
- (F) *149. Report on—by Geo. C. Mackenzie, B.Sc., 1913.
- *150. The mineral production of Canada, 1911. Preliminary report on—by John McLeish, B.A.
- (E) *151. Investigation of the peat bogs and peat industry of Canada, 1910-11. Bulletin No. 8—by A. Anrep.
- (E) *154. The utilization of peat fuel for the production of power, being a record of experiments conducted at the Fuel Testing Station, Ottawa, 1910-11. Report on—by B. F. Haanel, B.Sc.
- (E) *167. Pyrites in Canada: its occurrence, exploitation, dressing, and uses. Report on—by A. W. G. Wilson, Ph.D., 1913.
- (E) *170. The nickel industry: with special reference to the Sudbury region, Ont. Report on—by Professor A. P. Coleman, Ph.D., 1913.
- (F) *179.
- (E) 184. Magnetite occurrences along the Central Ontario railway. Report on—by E. Lindeman, M.E., 1913.
- (F) 195.
- (E) 201. The mineral production of Canada during the calendar year 1911. Annual report on—by John McLeish, B.A.
- (F) 265.

NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1911.

181. Production of cement, lime, clay products, stone and other structural materials in Canada during the calendar year 1911. Bulletin on—by John McLeish, B.A.
- *182. Production of iron and steel in Canada during the calendar year 1911. Bulletin on—by John McLeish, B.A.
183. General summary of the mineral production in Canada during the calendar year 1911. Bulletin on—by John McLeish, B.A.
- *199. Production of copper, gold, lead, nickel, silver, zinc, and other metals of Canada during the calendar year 1911. Bulletin on—by C. T. Cartwright, B.Sc.
- *200. The production of coal and coke in Canada during the calendar year 1911. Bulletin on—by John McLeish, B.A.
- (E) 203. Building stones of Canada—Vol. II: Building and ornamental stones of the Maritime Provinces. Report on—by W. A. Parks, Ph.D., 1914. 264 pp., 45 pls., 9 figs.
- (F) *280.
- (E) 209. The copper smelting industry of Canada. Report on—by A. W. G. Wilson, Ph.D., 1914.
- (F) *214.
216. Mineral production of Canada, 1912. Preliminary report on—by John McLeish, B.A.

*Publications marked thus * are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.

217. Iron ore occurrences in Canada. Report on—by E. Lindeman, M.E., and L. L. Bolton, M.A., B.Sc.; with Introductory by A. H. A. Robinson, B.A. Sc., 1917.
Vol. I. Description of principal mines. 71 pp., 23 pls.
Vol. II. Description of occurrences. 222 pp.
- (E) 222. Lode mining in Yukon: an investigation of the quartz deposits
(F) *223. of the Klondike division. Report on—by T. A. MacLean, B.Sc., 1914. 205 pp., 60 pls., 35 figs.
- (E) 224. Summary report of the Mines Branch, 1912.
(F) 224a.
*227. Sections of the Sydney coal fields—by J. G. S. Hudson, M.E., 1913.
*229. Summary report of the petroleum and natural gas resources of Canada, 1912—by F. G. Clapp, A.M. (See No. 224.)
- (E) *230. Economic minerals and mining industries of Canada, 1913.
(F) 231. (See 611.)
- (E) 245. Gypsum in Canada: its occurrence, exploitation, and technology. Report on—by L. H. Cole, B.Sc., 1914. 256 pp., 30 pls., 27 figs.
(F) *246.
- (E) 254. Calabogie iron-bearing district. Report on—by E. Lindeman, M.E., 1914. 16 pp.
(F) 255.
(E) 259. Preparation of metallic cobalt by reduction of the oxide. Report on—by H. T. Kalmus, B.Sc., Ph.D., 1914.
(F) 260.
262. The mineral production of Canada during the calendar year 1912. Annual report on—by John McLeish, B.A.
- NOTE.—*The following parts were separately printed and issued in advance of the Annual Report for 1912.*
238. General summary of the mineral production of Canada during the calendar year 1912. Bulletin on—by John McLeish, B.A.
- (E) *247. Production of iron and steel in Canada during the
(F) 287. calendar year 1912. Bulletin on—by John McLeish, B.A.
- *256. Production of copper, gold, lead, nickel, silver, zinc, and other metals of Canada, during the calendar year 1912—by C. T. Cartwright, B.Sc.
257. Production of cement, lime, clay products, stone, and other structural materials during the calendar year 1912. Report on—by John McLeish, B.A.
- *258. Production of coal and coke in Canada, during the calendar year 1912. Bulletin on—by John McLeish, B.A.
- (E) 266. Investigation of the peat bogs and peat industry of Canada,
(F) *267. 1911 and 1912. Bulletin No. 9—by A. Anrep.
(E) 279. Building and ornamental stones of Canada—Vol. III: Building and ornamental stones of Quebec. Report on—by
(F) *389. W. A. Parks, Ph.D., 1915. 291 pp., 52 pls., 12 figs.

*Publications marked thus * are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.

- (E) *281. The bituminous sands of northern Alberta. Report on—by
(F) *282. S. C. Ells, M.E., 1915.
*283. Mineral production of Canada, 1913. Preliminary report on—
by John McLeish, B.A.
- (E) 285. Summary report of the Mines Branch, 1913.
(F) 286.
(E) 291. The petroleum and natural gas resources of Canada, 1915.
1(F) 292. Report on—by F. G. Clapp, A.M., and others:—
Vol. I—Technology and exploitation. 378 pp., 21
pls., 25 figs.
Vol. II—Occurrence of petroleum and natural gas
in Canada. 404 pp., 12 pls., 23 figs.
Also separates of Vol. II, as follows:—
Part 1, Eastern Canada.
Part 2, Western Canada.
- (E) 299. Peat, lignite and coal: their value as fuels for the production
(F) 300. of gas and power in the by-product recovery producer.
Report on—by B. F. Haanel, B.Sc., 1915. 261 pp., 29
pls., 39 figs.
- (E) 303. Moose Mountain iron-bearing district. Report on—by E.
(F) 304. Lindeman, M.E., 1914. 14 pp., 2 figs.
- (E) 305. The non-metallic minerals used in the Canadian manufacturing
(F) 306. industries. Report on—by Howells Fr chette, M.Sc., 1915.
199 pp.
- (E) 309. The physical properties of cobalt, Part II. Report on—by
(F) 310. H. T. Kalmus, B.Sc., Ph.D., 1915.
- (E) 320. The mineral production of Canada during the calendar year
(F) 321. 1913. Annual report on—by John McLeish, B.A.

NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1913.

315. The production of iron and steel during the calendar
year 1913. Bulletin on—by John McLeish, B.A.
- *316. The production of coal and coke during the calendar
year 1913. Bulletin on—by John McLeish, B.A.
317. The production of copper, gold, lead, nickel, silver,
zinc, and other metals, during the calendar year
1913. Bulletin on—by C. T. Cartwright, B.Sc.
318. The production of cement, lime, clay products, and
other structural materials, during the calendar
year 1913. Bulletin on—by John McLeish, B.A.
319. General summary of the mineral production of Canada
during the calendar year 1913. Bulletin on—by
John McLeish, B.A.
- *322. Economic minerals and mining industries of Canada, 1915.
(See 611.)
- (E) 323. The products and by-products of coal. Report on—by Edgar
(F) *324. Stansfield, M.Sc., and F. E. Carter, B.Sc., Dr. Ing., 1914.
51 pp.

*Publications marked thus * are out of print.

¹Volume I only translated into French.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.

- (E) 325. The salt industry of Canada. Report on—by L. H. Cole,
(F) *326. B.Sc., 1915.
331. The investigation of six samples of Alberta lignites. Report on—by B. F. Haanel, B.Sc., and John Blizard, B.Sc., 1915. 110 pp., 5 pls., 14 figs.
- *333. The mineral production of Canada, 1914. Preliminary report on—by John McLeish, B.A., 1915.
- (E) 334. Electro-plating with cobalt and its alloys. Report on—by
(F) 335. H. T. Kalmus, B.Sc., Ph.D., 1915.
336. Notes on clay deposits near McMurray, Alberta. Bulletin No. 10—by S. C. Ells, B.A., B.Sc., 1915.
- *337. Catalogue of Mines Branch Publications—(Eleventh edition.)
338. Coals of Canada: Vol. VII. Weathering of coal. Report on—by J. B. Porter, E.M., Ph.D., D.Sc., 1916. 194 pp., 6 pls., 65 figs.
- (E) 344. Electro-thermic smelting of iron ores in Sweden. Report on—
(F) 345. by Alfred Stansfield, D.Sc., A.R.S.M., F.R.S.C., 1915.
- (E) 346. Summary report of the Mines Branch for 1914.
(F) 347.
- (E) *351. Investigation of the peat bogs and the peat industry of Canada,
(F) *352. 1913-1914. Bulletin No. 11—by A. Anrep.
- (E) 384. The mineral production of Canada during the calendar year
(F) 415. 1914. Annual report on—by John McLeish, B.A.

NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1914.

348. Production of coal and coke in Canada during the calendar year 1914. Bulletin on—by John McLeish, B.A.
349. Production of iron and steel in Canada during the calendar year 1914. Bulletin on—by John McLeish, B.A.
350. Production of copper, gold, lead, nickel, silver, zinc, and other metals, during the calendar year 1914. Bulletin on—by John McLeish, B.A.
383. The production of cement, lime, clay products, stone, and other structural materials, during the calendar year 1914. Bulletin on—by John McLeish, B.A.
- (E) 385. Investigation of a reported discovery of phosphate at Banff,
(F) 386. Alberta. Bulletin No. 12—by H. S. de Schmid, M.E., 1915. 38 pp., 12 pls., 1 fig.
- (E) 388. The building and ornamental stones of Canada—Vol. IV: building and ornamental stones of the western provinces. Report on—by W. A. Parks, Ph.D., 1917. 323 pp., 56 pls., 7 figs.
- (E) 396. Phosphate in Canada. Report on—by H. S. Spence, M.E.,
(F) 397. 1921. 156 pp., 32 pls., 12 figs.
- (E) 401. Feldspar in Canada. Report on—by H. S. de Schmid, M.E.,
(F) 402. 1916. 125 pp., 22 pls., 12 figs.

*Publications marked thus * are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.

406. Description of the laboratories of the Mines Branch of the Department of Mines, 1916. Bulletin No. 13. 48 pp., 60 pls., 12 figs.
- *408. Mineral production of Canada, 1915. Preliminary report on by John McLeish, B.A.
- (E) 411. Cobalt alloys with non-corrosive properties. Report on—by
(F) 412. H. T. Kalmus, B.Sc., Ph.D., 1917.
- (E) 413. Magnetic properties of cobalt and Fe_2Co . Report on—by
(F) 414. H. T. Kalmus, B.Sc., Ph.D., 1916.
- (E) 421. Summary report of the Mines Branch, for 1915.
(F) 422.
- (E) 426. The mineral production of Canada during the calendar year
(F) 427. 1915. Annual report on—by John McLeish, B.A.

NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1915.

419. Production of iron and steel in Canada during the calendar year 1915. Bulletin on—by John McLeish, B.A.
420. Production of coal and coke in Canada during the calendar year 1915. Bulletin on—by John McLeish, B.A.
423. Production of cement, lime, clay products, stone and other structural materials during the calendar year 1915. Bulletin on—by John McLeish, B.A.
424. General summary of the mineral production of Canada during the calendar year 1915. Bulletin on—by John McLeish, B.A.
425. Production of copper, gold, lead, nickel, silver, zinc and other metals, during the calendar year 1915. Bulletin on—by John McLeish, B.A.
428. The production of spelter in Canada, 1915. Report on—by Dr. A. W. G. Wilson.
430. The coal-fields and coal industry of eastern Canada. Report on—by F. W. Gray, 1917. 67 pp., 26 pls., 1 fig.
432. The thin coals of eastern Canada. Report on—by J. F. K. Brown, 1917. 135 pp., 1 pl., 61 figs.
435. Mineral springs of Canada, Part I: the radio-activity of some Canadian mineral springs. Bulletin No. 16—by J. Satterly, M.A., D.Sc., and R. T. Elworthy, B.Sc., 1917. 60 pp., 23 pls., 5 figs.
447. The value of peat fuel for the generation of steam. Bulletin No. 17—by John Blizzard, B.Sc., 1917. 42 pp., 1 pl., 5 figs.
- *449. The mineral production of Canada, 1916. Preliminary report on—by John McLeish, B.A.
452. The building and ornamental stones of Canada, Vol. V: British Columbia. Report on—by W. A. Parks, Ph.D., 1918. 227 pp., 47 pls., 3 figs.

*Publications marked thus * are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.

- (E) 454. Summary report of the Mines Branch for 1916.
 (F) 455.
 466. Test of some Canadian sandstones to determine their suitability for use as pulpstones. Bulletin No. 19—by L. H. Cole, B.Sc., 1917.
 468. Clay resources of southern Saskatchewan. Report on—by N. B. Davis, M.A., B.Sc., 1918.
 472. Mineral springs of Canada, Part II: the chemical character of some Canadian mineral springs. Bulletin No. 20—by R. T. Elworthy, B.Sc., 1918. 173 pp., 10 pls., 2 figs.
 (E) 474. The mineral production of Canada during the calendar year
 (F) 475. 1916. Annual report on—by John McLeish, B.A.

NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1916.

458. The production of iron and steel during the calendar year 1916. Bulletin on—by John McLeish, B.A.
 465. The production of coal and coke during the calendar year 1916. Bulletin on—by John McLeish, B.A.
 470. The production of cement, lime, clay products, stone, and other structural materials in Canada during the calendar year 1916. Bulletin on—by John McLeish, B.A.
 471. The production of copper, gold, lead, nickel, silver, zinc, and other metals in Canada, during the calendar year 1916. Bulletin on—by John McLeish, B.A.
 *476. The occurrence and testing of foundry moulding sands. Bulletin No. 21—by L. H. Cole, B.Sc., 1918.
 478. The mineral production of Canada, 1917. Preliminary report on—by John McLeish, B.A.
 *479. Analyses of Canadian fuels, Part I: the Maritime Provinces. Bulletin No. 22—by E. Stansfield, M.Sc., and J. H. H. Nicolls, M.Sc., 1918.
 480. Analyses of Canadian fuels, Part II: Quebec and Ontario. Bulletin No. 23—by E. Stansfield, M.Sc., and J. H. H. Nicolls, M.Sc., 1918.
 481. Analyses of Canadian fuels, Part III: Manitoba and Saskatchewan. Bulletin No. 24—by E. Stansfield, M.Sc., and J. H. H. Nicolls, M.Sc., 1918.
 482. Analyses of Canadian fuels, Part IV: Alberta and the Northwest Territories. Bulletin No. 25—by E. Stansfield, M.Sc., and J. H. H. Nicolls, M.Sc., 1922. (Revised edition.)
 483. Analyses of Canadian fuels, Part V: British Columbia and Yukon Territory. Bulletin No. 26—by E. Stansfield, M.Sc., and J. H. H. Nicolls, M.Sc., 1918.
 (E) 493. Summary report of the Mines Branch for the calendar year
 (F) 494. 1917.
 496. Results of forty-one steaming tests conducted at the Fuel Testing Station. Bulletin No. 27—by John Blizard, B.Sc., and E. S. Malloch, B.Sc., 1920.

*Publications marked thus * are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.

- *502. The economic use of coal for steam-raising and house-heating. Bulletin No. 28—by John Blizard, B.Sc., 1919.
 (E) *504. The mineral production of Canada during the calendar year
 (F) 505. 1917. Annual report on—by John McLeish, B.A.

NOTE.—The following parts were separately printed and issued in advance of the Annual Report for 1917.

497. Production of copper, gold, lead, nickel, silver, zinc, and other metals, during the calendar year 1917. Bulletin on—by John McLeish, B.A.
 498. Production of iron and steel during the calendar year 1917. Bulletin on—by John McLeish, B.A.
 499. General summary of the mineral production of Canada during the calendar year 1917. Bulletin on—by John McLeish, B.A.
 500. Production of cement, lime, clay products, stone, and other structural materials during the calendar year 1917. Bulletin on—by John McLeish, B.A.
 501. Production of coal and coke in Canada during the calendar year 1917. Bulletin on—by John McLeish, B.A.
 *506. The mineral production of Canada, 1918. Preliminary report on—by John McLeish, B.A.
 *507. Potash recovery at cement plants. Bulletin No. 29—by Dr. A. W. G. Wilson, 1919.
 (E) *509. Summary report of the Mines Branch for the calendar year
 (F) 510. 1918.
 (E) 511. Graphite. Report on—by H. S. Spence, M.E., 1920. 202 pp.,
 (F) 512. 56 pls., 43 figs.
 519. Smelter treatment rates, Trail, B.C. Bulletin No. 30—by Committee appointed to investigate, 1919.
 (E) 520. The mineral production of Canada during the calendar year
 (F) 521. 1918. Annual report on—by John McLeish, B.A.
 522. Some sources of helium in the British Empire. Bulletin No. 31—by Dr. J. C. McLennan, F.R.S., and Associates, 1920.
 527. Production of copper, gold, lead, nickel, silver, zinc, and other metals in Canada, during the calendar year 1918. Bulletin on—by John McLeish, B.A.
 528. Production of coal and coke, during the calendar year 1918. Bulletin on—by John McLeish, B.A.
 529. Production of iron and steel during the calendar year 1918. Bulletin on—by John McLeish, B.A.
 530. Road materials along the St. Lawrence river, from the Quebec boundary line to Cardinal, Ont. Bulletin No. 32—by R. H. Picher, 1920. 65 pp., 6 pls.
 *533. The mineral production of Canada during the calendar year 1919. Preliminary report on—by John McLeish, B.A.
 (E) 542. Summary report of the Mines Branch for the calendar year
 (F) 543. 1919.

*Publications marked thus * are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.

544. Production of iron and steel during the calendar year 1919. Bulletin on—by John McLeish, B.A.
- (E) *545. The mineral production of Canada during the calendar year
- (F) 546. 1919. Annual report on—by John McLeish, B.A.
547. Production of copper, gold, lead, nickel, silver, zinc, and other metals in Canada, during the calendar year 1919. Bulletin on—by John McLeish, B.A.
548. Production of coal and coke during the calendar year 1919. Bulletin on—by John McLeish, B.A.
- (E) 549. Structural materials along the St. Lawrence River between
- (F) 550. Prescott, Ont., and Lachine, P.Q. Report on—by J. Keele and L. Heber Cole, 1922.
- *554. The mineral production of Canada during the calendar year 1920. Preliminary report on—by John McLeish, B.A.
555. Silica in Canada. Report on—by L. Heber Cole, 1923. 126 pp., 15 pls., 16 figs.
564. Preparation, transportation and combustion of powdered coal. Report on—by John Blizzard, 1921. 131 pp., 3 pls., 39 figs.
565. Gas producer trials with Alberta Coals. Report on—by John Blizzard and E. S. Malloch, 1921.
566. Production of copper, gold, nickel, silver, zinc, etc., during the calendar year 1920. Report on—by John McLeish.
567. Production of coal and coke in Canada during the calendar year 1920. Report on—by John McLeish.
- (E) 568. The mineral production of Canada during the calendar year
- (F) 569. 1920. Report on—by John McLeish.
570. Barium and strontium in Canada. Report on—by H. S. Spence, 1922. 100 pp., 15 pls., 18 figs.
- (E) 574. Summary report of investigations made by the Mines Branch
- (F) 573. during the calendar year ending December 31, 1920.
575. Mineral resources and technology. Separate Mines Branch summary, 1920. pp. 5-22.
576. Ore dressing and metallurgy. Separate Mines Branch summary, 1920, pp. 23-38.
577. Fuels and fuel testing. Separate Mines Branch summary, 1920, pp. 39-54 and 76-81.
578. Ceramics and road materials. Separate Mines Branch summary, 1920, pp. 55-75.
579. Titanium. Report on—by A. H. A. Robinson, 1923. 127 pp., 5 figs.
583. Talc and soapstone. Report on—by H. S. Spence, 1922. 85 pp., 2 pls., 15 figs.
586. Summary report of investigations made by the Mines Branch during the calendar year ending December 31, 1921. 346 pp., 20 pls., 15 figs.
588. Mineral resources and technology. Separate Mines Branch summary, 1921, pp. 7-73.
589. Ore dressing and metallurgy. Separate Mines Branch summary, 1921, pp. 78-202.

*Publications marked thus * are out of print.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.

590. Fuels and fuel testing. Separate Mines Branch summary, 1921, pp. 205-239, and 319-339.
591. Ceramics and road materials. Separate Mines Branch summary, 1921, pp. 253-313.
597. Development of chemical, metallurgical, and allied industries in Canada, in relation to the mineral industry. Report on—by A. W. G. Wilson, Ph.D., 1924, 12 diagrams.
598. Vol. I.—Chemical industries.
599. Vol. II.—Metallurgical and allied industries.
605. Summary report of investigations made by the Mines Branch during the calendar year ending December 31, 1922. 273 pp., 5 pls., 17 figs.
607. Mineral resources and technology. Separate Mines Branch summary, 1922, pp. 7-70.
608. Ore dressing and metallurgy. Separate Mines Branch summary, 1922, pp. 71-193.
609. Fuels and fuel testing. Separate Mines Branch summary, 1922, pp. 194-225, 262-266.
610. Ceramics and road materials. Separate Mines Branch summary, 1922, pp. 226-261.
611. Mineral industries of Canada. Report on—by A. H. A. Robinson, 1924.
- (E) 614. Facts about peat. Report on—by B. F. Haanel, 1924.
- (F) 615.
624. Catalogue of Mines Branch publications (revised edition.)

NOTE.—*The division of the Mineral Resources has prepared the following lists of mine, smelter, and quarry operators: Metal mines and smelters; General list of mines (except coal and metal mines); Coal mines; Stone quarry operators; Manufacturers of clay products and of cement; Manufacturers of lime; Operators of sand and gravel deposits; and Petroleum and natural gas wells. Copies of the lists may be obtained on application.*

REPORTS IN PREPARATION

- Molybdenum in Canada. Report on—by V. L. Eardley-Wilmot.
- Annual report on Mines Branch investigations of mineral resources and the mining industry during 1923.
- Annual report on Mines Branch investigations on ore dressing and metallurgy, 1923.
- Annual report on Mines Branch investigations of fuels and fuel testing, 1923.
- Annual report on Mines Branch investigations of ceramics and road materials.

NOTE.—The letters (E) and (F) placed before publication numbers denote the English and French editions respectively.

TRADUCTIONS FRANÇAISE

- (F) *4. Rapport de la Commission nommée pour étudier les divers
(A) *3. procédés électro-thermiques pour la réduction des minerais de fer et la fabrication de l'acier employés en Europe— par Eugène Haanel, Ph.D. 1905.
- (F) 26b. Rapport annuel de la production minérale du Canada, durant
(A) 26. l'année 1906. J. McLeish.
- (F) *28a. Rapport sommaire de la Division des Mines, du Ministère des
(A) 28. Mines pour les neuf mois finissant le 31 décembre 1908. A. P. Low.
- (F) *56. Rapport sur les schistes bitumineux ou pétrolifères du Nouveau-
(A) *55. Brunswick et de la Nouvelle-Ecosse, ainsi que sur l'industrie des schistes pétrolifères de l'Ecosse. Première partie: industrie; seconde partie: géologie. R. W. Ells, LL.D., F.R.S.C. (Commission géologique n° 1108).
- (F) *81. Amiante-Chrysotile. Gisements, exploitation, ateliers de pré-
(A) *69. paration et usages. Fritz Cirkel.
- (F) *100a. Rapport sur les pierres de construction et d'ornement du
(A) *100. Canada, 1911. Volume I. Wm. A. Parks.
- (F) *142a. (26a). Rapport sommaire de la Division des Mines, Minis-
(A) 142. tère des Mines, pour l'année 1911.
- (F) *149. Sables ferrugineux magnétiques de Natashkwan, comté de
(A) *145. Saguenay, province de Québec. Geo. C. Mackenzie, B.Sc.
- (F) *155. Rapport sur l'utilisation de la tourbe pour la production de la
(A) *154. force motrice. Résultats des expériences faites à la station d'essai des combustibles à Ottawa, 1910-11. B. F. Haanel.
- (F) *156. Rapport sur les minerais de tungstène du Canada, 1908. T. L.
(A) *25. Walker.
- (F) *169. Pyrites au Canada: gisements, exploitation, préparation, usa-
(A) *167. ges. Alfred W. G. Wilson, Ph.D.
- (F) *179. L'industrie du nickel, particulièrement dans la région de Sud-
(A) *170. bury, Ontario. A. P. Coleman, Ph.D.
- (F) 180. Bulletin n° 8: Recherches sur les tourbières et l'industrie de la
(A) 151. tourbe au Canada, 1910-1911. A. Anrep.
- (F) 195. Gisements de magnétite le long de la ligne du Central Ontario
(A) 184. Railway. E. Lindeman, I.M.
- (F) *196. Enquête sur les tourbières et l'industrie de la tourbe au Canada,
(A) *71. durant la saison 1909-10. Aleph Anrep.
- (F) *197. Rapport sur les minerais de molybdène du Canada, 1911. T.
(A) *93. L. Walker.
- (F) *198. Tourbe et lignite. Leur fabrication et leurs emplois en Eu-
(A) *19. rope, 1907. E. Nystrom.
- (F) *202. Graphite. Propriétés, gisements, traitements et usages, 1906.
(A) *18. Fritz Cirkel.
- (F) *214. Les industries métallurgiques du cuivre au Canada. A. W. G.
(A) 209. Wilson.

*Les publications précédées d'un * sont épuisées.

Avis.—Les lettres (F) et (A) précédant le numéro de la publication, désignent respectivement l'édition française ou anglaise.

- (F) 219. Les gisements de fer d'Austin Brook au Nouveau-Brunswick.
 (A) 105. E. Lindeman, I.M.
- (F) *223. L'exploitation filonienne au Yukon. Une investigation des
 (A) 222. gisements des quartz dans la rivière du Klondike. T. A. MacLean.
- (F) 224a. (26a.) Rapport sommaire de la Division des Mines, du Ministère
 (A) 224. des Mines, pour l'année civile terminée le 31 décembre 1912.
- (F) *226. Rapport sur les dépôts de fer chromé des Cantons de l'Est de
 (A) *29. la province de Québec, 1912. Fritz Cirkel.
- (F) 231. Minéraux industriels et industries minières du Canada, 1913.
 (A) 230.
- (F) *233. Rapport sur les gisements de gypse des Provinces Maritimes,
 (A) *84. 1910. William F. Jennison.
- (F) *246. Le gypse au Canada: gisement, exploitation et technologie.
 (A) 245. L. H. Cole.
- (F) 255. Les gisements de magnétite près de Calabogie, comté de
 (A) 254. Renfrew, Ontario. E. Lindeman.
- (F) 260. Recherches sur le cobalt et ses alliages, faites à l'Université
 (A) 259. Queen's, de Kingston, Ontario, pour la Division des Mines du Ministère des Mines. Première partie: "Préparation du cobalt métallique par la réduction de l'oxyde." H. T. Kalmus.
- (F) *263. Bulletin n° 3: Progrès récents dans la construction des fours
 (A) *68. électriques pour la production de la fonte, de l'acier et du zinc. Eugène Haanel, Ph.D.
- *264. Mica: gisements, exploitations et emplois. Deuxième édition.
 Hugh S. de Schmid, I.M.
- (F) 265. Rapport annuel sur la production minérale du Canada, durant
 (A) 201. l'année civile 1911. J. McLeish, B.A.
- (F) *267. Recherches sur les tourbières et l'industrie de la tourbe au
 (A) *10. Canada, 1911-1912. A. Anrep.
- (F) *280. Pierres de construction et d'ornement du Canada. Vol. II,
 (A) 203. Province Maritimes. W. A. Parks.
- (F) *282. Rapport préliminaire sur les sables bitumineux de l'Alberta-
 (A) *281. Nord. S. C. Ells.
- (F) 286. (26a.) Rapport sommaire de la Division des Mines, du Minis-
 (A) 285. tère des Mines, pour l'année civile 1913.
- (F) 287. La production du fer et de l'acier au Canada, pendant l'année
 (A) 247. civile 1912. J. McLeish.
- (F) *288. La production de charbon et de coke au Canada, pendant l'an-
 (A) *258. née civile 1912. J. McLeish.
- (F) *289. La production du ciment, de la chaux, des produits d'argile, de
 (A) 257. la pierre et d'autres matériaux de construction au Canada, pendant l'année civile 1912. J. McLeish.
- (F) *290. La production du cuivre, or, plomb, nickel, argent, zinc et
 (A) *256. autres métaux au Canada, pendant l'année civile 1912. C. T. Cartwright, B.Sc.

*Les publications précédées d'un * sont épuisées.

Avis.—Les lettres (F) et (A) précédant le numéro de la publication, désignent respectivement l'édition française ou anglaise.

- (F) 292. Ressources du Canada en pétrole et en gaz naturel. Volume
(A) 291. I. F. G. Clapp.
- (F) 300. Tourbe, lignite et houille: leur valeur comme source de gaz de
(A) 299. moteur et d'énergie dans les gazogènes à sous-produits.
B. F. Haanel.
- (F) *304. Le district de ferrifère de Moose Mountain, Ontario. E.
(A) 303. Lindeman.
- (F) 306. Rapport sur les minéraux non-métalliques employés dans les
(A) 305. industries manufacturières du Canada. H. Fréchette.
- (F) *308. Recherches sur les charbons du Canada au point de vue de
(A) 83. leurs qualités économiques. J. B. Porter, E.M., D.Sc., et
R. J. Durley, Ma.E., et autres. Faites à l'Université
McGill de Montréal, sous le patronage du gouvernement
du Dominion.
Volume I. Recherches sur les charbons du Canada.
Volume II. Essais au générateur; Essais au gazogène;
Travail du laboratoire chimique.
Volume III. Appendice I. Résultats des essais de
lavage de charbons.
Volume IV. Appendice II. Essais aux chaudières et
graphiques.
Volume VI. Fabrication et essai du coke, et travaux
au laboratoire de chimie. J. B. Porter et E.
Stansfield.
- (F) 310. Recherches sur le cobalt et ses alliages, faites à l'Université
(A) 309. Queens, de Kingston, Ontario, pour la Division des Mines
du Ministère des Mines. Deuxième partie: "Propriétés
physiques du cobalt métallique." H. T. Kalmus.
- (F) 314. Bulletin n° 2: Gisements de minerais de fer de la mine Bristol,
(A) 67. comté de Pontiac, Québec. Levé magnétométrique, etc.
E. Lindeman, I.M.; Concentration magnétique de mine-
rais, Geo. C. MacKenzie, B.Sc.
- (F) 321. Rapport annuel de la production minérale du Canada, durant
(A) 320. l'année civile 1913. J. McLeish.
- (F) *324. Produits et sous-produits de la houille. E. Stansfield et F. E.
(A) 323. Carter.
- (F) *326. Les dépôts salifères du Canada et l'industrie du sel. L. H.
(A) 325. Cole.
- (F) 335. Recherches sur le cobalt et ses alliages faites à l'Université
(A) 334. Queens, pour la Division des Mines. Troisième partie:
"Galvanoplastie au Cobalt." H. T. Kalmus.
- (F) 345. Réduction électrothermique des minerais de fer en Suède. A.
(A) 344. Stansfield.
- (F) 347. Rapport sommaire de la Division des Mines, du Ministère des
(A) 346. Mines, pour 1914.
- (F) *352. Recherches sur les tourbières et l'industrie de la tourbe au
(A) *351. Canada, 1913-1914. A. Anrep.
- (F) 386. Recherches sur un gisement de phosphate signalé dans l'Al-
(A) 385. berta. H. S. de Schmid.

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- (F) *389. Pierres de construction et d'ornement du Canada. Volume
 (A) 279. III, province de Québec. W. A. Parks.
 (F) 397. Le phosphate au Canada, H. S. Spence.
 (A) 396.
 (F) 402. L'industrie du feldspath au Canada. H. S. de Schmid.
 (A) 401.
 (F) 412. Recherches sur le cobalt et ses alliages, faites à l'Université
 (A) 411. Queens, pour la Division des Mines. Quatrième partie:
 "Les alliages de cobalt à propriétés non-corrosives."
 H. T. Kalmus et K. B. Blake.
 (F) 414. Recherches sur le cobalt et ses alliages, faites à l'Université
 (A) 413. Queens, pour la Division des Mines. Cinquième partie:
 "Les propriétés magnétiques du climat et du Fez Co."
 H. T. Kalmus.
 (F) 415. Rapport annuel de la production minérale du Canada, durant
 (A) 384. l'année civile 1914. J. McLeish.
 (F) 422. Rapport sommaire de la Division des Mines, du Ministère des
 (A) 421. Mines, pour 1915.
 (F) 427. Rapport annuel sur la production minérale du Canada, durant
 (A) 426. l'année civile 1915. J. McLeish.
 (F) 455. Rapport sommaire de la Division des Mines, du Ministère des
 (A) 454. Mines, pour l'année 1916.
 (F) 475. Rapport annuel sur la production minérale du Canada, durant
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 (F) 494. Rapport sommaire de la Division des Mines, du Ministère des
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 (F) 505. Rapport annuel sur la production minérale du Canada, durant
 (A) 504. l'année 1917.
 (F) 510. Rapport sommaire de la Division des Mines, du Ministère des
 (A) 509. Mines, pour l'année 1918.
 (F) 512. Rapport sur le Graphite. H. S. Spence, M.E.
 (A) 511.
 (F) 521. Rapport annuel sur la production minérale du Canada, durant
 (A) 520. l'année civile 1918.
 (F) 543. Rapport sommaire de la Division des Mines, du Ministère des
 (A) 542. Mines, pour l'année 1919.
 (F) 546. Rapport annuel sur la production minérale du Canada, durant
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 (A) 549. St-Laurent, entre Prescott, Ont., et Lachine, Qué. Joseph
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 (F) 569. Rapport annuel sur la production minérale du Canada, durant
 (A) 568. l'année civile 1920.
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 (A) 574. Mines pour l'année 1920.
 (F) 615. Renseignements sur la tourbe. B. F. Haanel.
 (A) 614.

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TRADUCTIONS FRANÇAISES EN PRÉPARATION

556. La silice au Canada. Partie I: l'Est du Canada. L. H. Cole.
 571. Le barium et le strontium au Canada. H. S. Spence.
 580. Rapport sur la titane. A. H. A. Robinson.
 584. Le talc et la stéatite au Canada. H. S. Spence.
 587. Rapport sommaire de la Division des Mines, du Ministère des
 Mines, pour l'année 1921.
 600. Les industries chimiques et métallurgiques au Canada: A. W. G.
 Wilson.
 606. Rapport sommaire de la Division des Mines, du Ministère des
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 612. Les industries minières au Canada. A. H. A. Robinson.

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14. Magnetometric survey of the Wilbur mine, Lavant township,
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33. Magnetometric survey, vertical intensity: lot 1, concession VI,
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 VI, Mayo township, Hastings county, Ontario—by Howells
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 Scale 50 feet to 1 inch. (See Maps Nos. 191 and 191A.)
- *36. Survey of Mer Bleue peat bog. Gloucester township, Carleton
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 30.)
- *37. Survey of Alfred peat bog. Alfred and Caledonia townships,
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 (Accompanying report No. 30.)
- *38. Survey of Welland peat bog, Wainfleet and Humberstone town-
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*NOTE.—Maps marked thus * are out of print.

- *94. Map showing Cobalt, Gowganda, Shiningtree and Porcupine districts—by L. H. Cole. (Accompanying Summary Report, 1910.)
95. General map of Canada, showing coal fields. (Accompanying report No. 83—by Dr. J. B. Porter.)
- *96. General map of coal fields of Nova Scotia and New Brunswick. (Accompanying report No. 83—by Dr. J. B. Porter.) See Map No. 434.
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- *98. General map of coal fields in British Columbia. (Accompanying report No. 83—by Dr. J. B. Porter.)
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106. Geological map of Austin Brook iron-bearing district, Bathurst township, Gloucester county, N.B.—by E. Lindeman. Scale 400 feet to 1 inch. (Accompanying report No. 105.)
107. Magnetometric survey, vertical intensity: Austin Brook iron-bearing district—by E. Lindeman. Scale 400 feet to 1 inch. (Accompanying report No. 105.)
108. Index map showing iron-bearing area at Austin Brook—by E. Lindeman. (Accompanying report No. 105.)
- *112. Sketch plan showing geology of Point Mamainse, Ont.—by Professor A. C. Lane. Scale 4,000 feet to 1 inch. (Accompanying report No. 111.)
113. Holland peat bog, Ontario—by A. Anrep. (Accompanying report No. 151.)
- *119-137. Mica: township maps, Ontario and Quebec—by Hugh S. de Schmid. (Accompanying report No. 118.)
138. Mica: showing location of principal mines and occurrences in the Quebec mica area—by Hugh S. de Schmid. Scale 3.95 miles to 1 inch. (Accompanying report No. 118.)
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147. Magnetic iron sand deposits in relation to Natashkwan harbour and Great Natashkwan river, Que. (Index map)—by Geo. C. Mackenzie. Scale 40 chains to 1 inch. (Accompanying report No. 145.)

*NOTE.—Maps marked thus * are out of print.

148. Natashkwan magnetic iron sand deposits, Saguenay county, Que.—
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152. Map showing the location of peat bogs investigated in
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157. Lac du Bonnet peat bog, Manitoba—by A. Anrep.
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- *166. Magnetometric map of No. 3 mine, lot 7, concessions V and VI,
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168. Map showing pyrites mines and prospects in eastern Canada and
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171. Geological map of Sudbury nickel region, Ont.—by Prof. A. P.
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173. “ Crean Hill mine—by Prof. A. P. Cole- }report
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174. “ Creighton mine—by Prof. A. P. Cole- }170.)
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185. Magnetometric survey, vertical intensity: Blairton iron mine,
Belmont township, Peterborough county, Ontario—by E.
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report No. 184.)
- 185a. Geological map, Blairton iron mine, Belmont township, Peter-
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186. Magnetometric survey, Belmont iron mine, Belmont township,
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200 feet to 1 inch. (Accompanying report No. 184.)

*NOTE.—Maps marked thus * are out of print.

- 186a. Geological map, Belmont iron mine, Belmont township, Peterborough county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
187. Magnetometric survey, vertical intensity: St. Charles mine, Tudor township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
- 187a. Geological map, St. Charles mine, Tudor township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
188. Magnetometric survey, vertical intensity: Baker mine, Tudor township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
- 188a. Geological map, Baker mine, Tudor township, Hastings county Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
189. Magnetometric survey, vertical intensity: Ridge iron ore deposits, Wollaston township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
190. Magnetometric survey, vertical intensity: Coehill and Jenkins mines, Wollaston township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
- 190a. Geological map, Coehill and Jenkins mines, Wollaston township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
191. Magnetometric survey, vertical intensity: Bessemer iron ore deposits, Mayo township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
- 191a. Geological map, Bessemer iron ore deposits, Mayo township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
192. Magnetometric survey, vertical intensity: Rankin, Childs, and Stevens mines, Mayo township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
- 192a. Geological map, Rankin, Childs, and Stevens mines, Mayo township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
193. Magnetometric survey, vertical intensity: Kennedy property, Carlow township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
- 193a. Geological map, Kennedy property, Carlow township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)
194. Magnetometric survey, vertical intensity: Bow Lake iron ore occurrences, Faraday township, Hastings county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 184.)

204. Index map, magnetite occurrences along the Central Ontario railway—by E. Lindeman, 1911. (Accompanying report No. 184.)
205. Magnetometric map: Moose Mountain iron-bearing district, Sudbury district, Ontario: Deposits Nos. 1, 2, 3, 4, 5, 6, and 7—by E. Lindeman, 1911. (Accompanying report No. 303.)
- 205a. Geological map, Moose Mountain iron-bearing district, Sudbury district, Ontario: Deposits Nos. 1, 2, 3, 4, 5, 6, and 7—by E. Lindeman. (Accompanying report No. 303.)
206. Magnetometric survey of Moose Mountain iron-bearing district, Sudbury district, Ontario: northern part of deposit No. 2—by E. Lindeman, 1912. Scale 200 feet to 1 inch. (Accompanying report No. 303.)
207. Magnetometric survey of Moose Mountain iron-bearing district, Sudbury district, Ontario: Deposits Nos. 8, 9 and 9A—by E. Lindeman, 1912. Scale 200 feet to 1 inch. (Accompanying report No. 303.)
208. Magnetometric survey of Moose Mountain iron-bearing district, Sudbury district, Ontario: Deposit No. 10—by E. Lindeman, 1912. Scale 200 feet to 1 inch. (Accompanying report No. 303.)
- 208a. Magnetometric survey, Moose Mountain iron-bearing district, Sudbury district, Ontario: eastern portion of Deposit No. 11—by E. Lindeman, 1912. Scale 200 feet to 1 inch. (Accompanying report No. 303.)
- 208b. Magnetometric survey, Moose Mountain iron-bearing district, Sudbury district, Ontario: western portion of Deposit No. 11—by E. Lindeman, 1912. Scale 200 feet to 1 inch. (Accompanying report No. 303.)
- 208c. General geological map, Moose Mountain iron-bearing district, Sudbury district, Ontario—by E. Lindeman, 1912. Scale 800 feet to 1 inch. (Accompanying report No. 303.)
- *210. Location of copper smelters in Canada—by A. W. G. Wilson. Scale 197.3 miles to 1 inch. (Accompanying report No. 209.)
- *211. Relative position of copper smelters and mines in southern British Columbia. Scale 35 miles to 1 inch. (Accompanying report No. 209.)
- *212. The Eastern Townships of Quebec as a possible smelting centre. Scale 35 miles to 1 inch. (Accompanying report No. 209.)
- *213. Eastern Cape Breton as a possible smelting centre. Scale 35 miles to 1 inch. (Accompanying report No. 209.)
215. Province of Alberta: showing properties from which samples of coal were taken for gas producer tests. Fuel Testing Division, Ottawa. (Accompanying Summary Report, 1912.)
220. Mining districts, Yukon. Scale 35 miles to 1 inch—by T. A. MacLean. (Accompanying report No. 222.)
221. Dawson mining district, Yukon. Scale 2 miles to 1 inch—by T. A. MacLean. (Accompanying report No. 222.)
- *228. Index map of the Sydney coal fields, Cape Breton, N.S. (Accompanying report No. 227.)

*NOTE.—Maps marked thus * are out of print.

232. Mineral map of Canada. Scale 100 miles to 1 inch. (Accompanying report No. 230.)
- *234. Portion of Whitehorse copper belt. (Accompanying report No. 222.)
- *235. Portion of Windy Arm mining district. (Accompanying report No. 222.)
- *236. Vicinity of Wheaton river. (Accompanying report No. 222.)
- *237. Geological sketch map of Dublin Gulch, showing mining property. (Accompanying report No. 222.)
239. Index map of Canada showing gypsum occurrences. (Accompanying report No. 245.)
240. Map showing Lower Carboniferous formation in which gypsum occurs in the Maritime Provinces. Scale 100 miles to 1 inch. (Accompanying report No. 245.)
241. Map showing relation of gypsum deposits in Northern Ontario to railway lines. Scale 100 miles to 1 inch. (Accompanying report No. 245.)
242. Map, Grand River gypsum deposits, Ontario. Scale 4 miles to 1 inch. (Accompanying report No. 245.)
243. Plan of Manitoba Gypsum Co's properties. (Accompanying report No. 245.)
244. Map showing relation of gypsum deposits in British Columbia to railway lines and market. Scale 35 miles to 1 inch. (Accompanying report No. 245.)
249. Magnetometric survey, Caldwell and Campbell mines, Calabogie district, Renfrew county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 254.)
250. Magnetometric survey, Black Bay or Williams mine, Calabogie district, Renfrew county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 254.)
251. Magnetometric survey, Bluff Point iron mine, Calabogie district, Renfrew county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 254.)
252. Magnetometric survey, Culhane mine, Calabogie district, Renfrew county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 254.)
253. Magnetometric survey, Martel or Wilson iron mine, Calabogie district, Renfrew county, Ontario—by E. Lindeman, 1911. Scale 200 feet to 1 inch. (Accompanying report No. 254.)
261. Magnetometric survey, Northeast Arm iron range, lot 339 E.T.W. Lake Timagami, Nipissing district, Ontario—by E. Nystrom, 1903. Scale 200 feet to 1 inch.
268. Map of peat bogs investigated in Quebec—by A. Anrep, 1912. (See Map No. 484.)
269. Large Tea Field peat bog, Quebec “ “
270. Small Tea Field peat bog, Quebec “ “
271. Lanoraie peat bog, Quebec “ “
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274. Cacouna peat bog “ “

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275. Le Parc peat bog, Quebec—by A. Anrep, 1912.
276. St. Denis peat bog, Quebec “ “ “
277. Rivière Ouelle peat bog, Quebec “ “ “
278. Moose Mountain peat bog, Ontario “ “ “
284. Map of northern portion of Alberta, showing position of outcrops of bituminous sand. Scale $12\frac{1}{2}$ miles to 1 inch. (Accompanying report No. 281.)
- *293. Map of Dominion of Canada, showing the occurrences of oil, gas, and tar sands. Scale 197 miles to 1 inch. (Accompanying report No. 291.)
294. Reconnaissance map of part of Albert and Westmorland counties, New Brunswick. Scale 1 mile to 1 inch. (Accompanying report No. 291.)
295. Sketch plan of Gaspé oil fields, Quebec, showing location of wells. Scale 2 miles to 1 inch. (Accompanying report No. 291.)
296. Map showing gas and oil fields and pipe-lines in southwestern Ontario. Scale 4 miles to 1 inch. (Accompanying report No. 291.) See map No. 523.
297. Geological map of Alberta, Saskatchewan, and Manitoba. Scale 35 miles to 1 inch. (Accompanying report No. 291.)
298. Map, geology of the forty-ninth parallel, 0.9864 miles to 1 inch. (Accompanying report No. 291.)
302. Map showing location of main gas line, Bow island, Calgary. Scale $12\frac{1}{2}$ miles to 1 inch. (Accompanying report No. 291.)
311. Magnetometric map, McPherson mine, Barachois, Cape Breton county, Nova Scotia—by A. H. A. Robinson, 1913. Scale 200 feet to 1 inch.
312. Magnetometric map, iron ore deposits at Upper Glencoe, Inverness county, Nova Scotia—by E. Lindeman, 1913. Scale 200 feet to 1 inch.
313. Magnetometric map, iron ore deposits at Grand Mira, Cape Breton county, Nova Scotia—by A. H. A. Robinson, 1913. Scale 200 feet to 1 inch.
327. Map showing location of Saline Springs and Salt Areas in the Dominion of Canada. (Accompanying report No. 325.)
328. Map showing location of Saline Springs in the Maritime Provinces. Scale 100 miles to 1 inch. (Accompanying report No. 325.)
329. Map of Ontario-Michigan Salt Basin, showing probable limit of productive area. Scale 25 miles to 1 inch. (Accompanying report No. 325.)
330. Map showing location of Saline Springs in Northern Manitoba. Scale $12\frac{1}{2}$ miles to 1 inch. (Accompanying report No. 325.)
340. Magnetometric map of Atikokan iron-bearing district, Atikokan mine and vicinity. Claims Nos. 10E, 11E, 12E, 24E, 25E, and 26E, Rainy River district, Ontario—by A. H. A. Robinson, 1914. Scale 400 feet to 1 inch.
- 340a. Geological map of Atikokan iron-bearing district, Atikokan mine and vicinity. Claims Nos. 10E, 11E, 12E, 24E, 25E, and 26E, Rainy River district, Ontario—by A. H. A. Robinson, 1914. Scale 400 feet to 1 inch.

*NOTE.—Maps marked * are out of print.

341. Magnetometric map of Atikokan iron-bearing district, Sheet No. 1, Claims Nos. 400R, 401R, 402R, 212X, and 403R, Rainy River district, Ontario—by E. Lindeman, 1914. Scale 400 feet to 1 inch.
- 341a. Geological map of Atikokan iron-bearing district. Sheet No. 1. Claims Nos. 400R, 401R, 402R, 212X, and 403R, Rainy River district, Ontario—by E. Lindeman, 1914. Scale 400 feet to 1 inch.
342. Magnetometric map of Atikokan iron-bearing district. Sheet No. 2. Claims Nos. 403R, 404R, 138X, 139X, and 140X, Rainy River district, Ontario—by E. Lindeman, 1914. Scale 400 feet to 1 inch.
- 342a. Geological map of Atikokan iron-bearing district. Sheet No. 2. Claims Nos. 403R, 404R, 138X, 139X, and 140X, Rainy River district, Ontario—by E. Lindeman, 1914. Scale 400 feet to 1 inch.
343. Magnetometric map of Atikokan iron-bearing district. Mile Post No. 140, Canadian Northern railway, Rainy River district, Ontario—by E. Lindeman, 1914. Scale 400 feet to 1 inch.
- 343a. Geological map, Atikokan iron-bearing district. Mile Post No. 140, Canadian Northern railway, Rainy River district, Ontario—by E. Lindeman, 1914. Scale 400 feet to 1 inch.
354. Index Map, showing location of peat bogs investigated in Ontario: (See Map No. 477)—by A. Anrep, 1913-14.
355. Richmond peat bog, Carleton county, Ontario—by A. Anrep, 1913-14.
356. Luther peat bog, Wellington and Dufferin counties, Ontario— by A. Anrep, 1913-14
357. Amaranth peat bog, Dufferin county, Ontario— “ “
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359. Westover peat bog, Wentworth county, Ontario— “ “
360. Marsh Hill peat bog, Ontario county, Ontario— “ “
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365. Index Map, showing location of peat bogs investigated in Quebec: (See Map No. 484)— “ “
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369. Index Map, showing location of peat bogs investigated in Nova Scotia and Prince Edward Island— “ “
370. Black Marsh bog, Prince county, Prince Edward Island— “ “
371. Portage peat bog, Prince county, Prince Edward Island— “ “

372. Miscouche peat bog, Prince county, Prince Edward Island— by A. Anrep, 1913-14
373. Muddy Creek peat bog, Prince county, Prince Edward Island— " "
374. The Black Banks peat bog, Prince county, Prince Edward Island—
375. Mermaid peat bog, Queens county, Prince Edward Island— " "
376. Caribou peat bog, Kings county, Prince Edward Island— " "
377. Cherryfield peat bog, Lunenburg county, Nova Scotia— " "
378. Tusket peat bog, Yarmouth county, Nova Scotia— " "
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380. Heath peat bog, Yarmouth county, Nova Scotia— " "
381. Port Clyde peat bog, Shelburne county, Nova Scotia— " "
382. Latour peat bog, Shelburne county, Nova Scotia— " "
383. Clyde peat bog, Shelburne county, Nova Scotia— " "
387. Geological map Banff district, Alberta, showing location of phosphate beds—by Hugh S. de Schmid, 1915. (Accompanying report No. 385.)
390. Christina River map showing outcrops of bituminous sand along Christina valley; contour intervals of 20 feet—by S. C. Ells, 1915. Scale 1,000 feet to 1 inch.
391. Clearwater River map, showing outcrops of bituminous sand along Clearwater valley; contour intervals of 20 feet—by S. C. Ells, 1915. Scale 1,000 feet to 1 inch.
392. Hanginestone-Horse rivers, showing outcrops of bituminous sand along Hanginestone and Horse River valleys; contour intervals of 20 feet—by S. C. Ells, 1915. Scale 1,000 feet to 1 inch.
393. Steepbank river, showing outcrops of bituminous sand along Steepbank valley; contour intervals of 20 feet—by S. C. Ells, 1915. Scale 1,000 feet to 1 inch.
394. McKay river, 3 sheets, showing outcrops of bituminous sand along McKay valley, contour intervals of 20 feet—by S. C. Ells, 1915. Scale 1,000 feet to 1 inch.
395. Moose river, showing outcrops of bituminous sand along Moose valley; contour intervals of 20 feet—by S. C. Ells, 1915. Scale 1,000 feet to 1 inch.
398. Ontario phosphate area—by Hugh S. de Schmid. (Accompanying report No. 396.)
399. Quebec phosphate area—by Hugh S. de Schmid. (Accompanying report No. 396.)
403. Ontario feldspar area—by Hugh S. de Schmid. (Accompanying report No. 401.)

404. Quebec feldspar area—by Hugh S. de Schmid. (Accompanying report No. 401.)
405. Magnetometric map, Orton mine and vicinity, Hastings county, Ontario—by A. H. A. Robinson, 1915. (See Map No. 581.)
409. Magnetometric map, Kaministikwia, Thunder Bay district, Ontario—by A. H. A. Robinson, 1914-15.
410. Geological map, Kaministikwia, Thunder Bay district, Ontario—by A. H. A. Robinson, 1914-15.
416. Magnetometric map, Matawin Iron Range, claims Nos. 215W to 223W. (inc.), Thunder Bay district, Ontario—by A. H. A. Robinson, 1914-15.
434. Coal-fields of Nova Scotia and New Brunswick—by D. B. Dowling.
437. Map of portions of Ontario and Quebec, showing location of mineral springs. (Accompanying report No. 435 "Mineral Springs of Canada.")
438. Magnetometric map, Western Steel Iron Claim at Sechart, Vancouver Island, B.C.—by E. Lindeman.
439. Magnetometric map, Baldwin mine, Hull township, Quebec—by E. Nystrom.
441. Magnetometric map, Wilbur mine, Lavant township, Lanark county, Ontario—by B. F. Haanel.
442. Magnetometric map, Iron Crown claim, Nimpkish river, Vancouver island, B.C.—by E. Lindeman.
443. Magnetometric map, Bristol mine, Pontiac county, Quebec—by E. Lindeman.
444. Magnetometric map, Northeast Arm Iron range, lots Nos. E.T.W. 340, W.D. 341, W.D. 342, W.D. 343, and W.D. 351. Lake Timagami, Nipissing district, Ontario—by E. Lindeman.
445. Map showing iron ore occurrences and blast furnaces in the Dominion of Canada and Newfoundland.
446. Magnetometric map. Radenhurst and Caldwell mines, Lanark county, Ont.—by A. H. A. Robinson, 1916.
459. Moose Creek peat bog, Prescott, Russell, and Stormont counties, Ontario—by A. Anrep, 1915-16-17.
460. Westmeath peat bog, Renfrew county, Ont.—by A. Anrep, 1915-16-17.
461. Meath peat bog, Renfrew county, Ont.—by A. Anrep, 1915-16-17.
462. Farnham peat bog, Missisquoi and Iberville counties, Que.—by A. Anrep, 1915-16-17.
463. Canrobert peat bog, Rouville county, Que.—by A. Anrep, 1915-16-17.
464. Napierville peat bog, Napierville county, Que.—by A. Anrep, 1915-16-17.
468. Geological map, southern Saskatchewan, accompanying report on "Clay Resources of Southern Saskatchewan"—by J. Keele.
469. Cypress Hill sheet, accompanying report on "Clay Resources of Southern Saskatchewan"—by J. Keele.
477. Peat bogs investigated in Ontario. (Third edition)—by A. Anrep.
484. " " Quebec— " "
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488. St. Stephen peat bog, New Brunswick—by A. Anrep.
 489. Hayman peat bog “ “
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513. Graphite occurrences in Bedford, Loughborough, Burgess, and Elmsley N. tps., Ontario—by Hugh S. Spence. (Accompanying report No. 511.)
514. Graphite occurrences in Monmouth, Cardiff, Monteagle, and Dungannon tps., Ontario—by Hugh S. Spence. (Accompanying report No. 511.)
515. Graphite occurrences in Brougham and Blythfield tps., Ontario—by Hugh S. Spence. (Accompanying report No. 511.)
516. Graphite occurrences in Grenville, and Wentworth tps., Quebec—by Hugh S. Spence. (Accompanying report No. 511.)
517. Graphite occurrences in Amherst tp., Quebec—by Hugh S. Spence. (Accompanying report No. 511.)
518. Graphite occurrences in Buckingham, and Lochaber tps., Quebec—by Hugh S. Spence. (Accompanying report No. 511.)
523. Map showing gas and oil fields and pipe lines in southwestern Ontario—by J. C. McLennan. (Accompanying report No. 522 on Helium.)
524. Occurrences of petroleum, natural gas, and bituminous sands in western Canada—by J. C. McLennan. (Accompanying report No. 522.)
525. Map showing location of main gas line, Bow island to Calgary, Alberta—by J. C. McLennan. (Accompanying report No. 522.)
526. Map showing location of natural gas wells in British Columbia—by J. C. McLennan. (Accompanying report No. 522.)
532. Deposits of stone and gravel available for highway construction between Cardinal, Ontario, and the Quebec boundary. Scale 2 miles to 1 inch.
551. Morrisburg sheet, St. Lawrence section. Scale 1 mile to 1 inch. (Accompanying report No. 549, “Structural Materials along the St. Lawrence River.”)
552. Cornwall sheet, St. Lawrence River section. Scale 1 mile to 1 inch. (Accompanying report No. 549, “Structural Materials along the St. Lawrence River.”)
553. Valleyfield sheet, St. Lawrence River section. Scale 1 mile to 1 inch. (Accompanying report No. 549, “Structural Materials along the St. Lawrence River.”)
557. Distribution of sandstone in the district of Nelles Corners, Haldimand county, Ont. Scale 1 mile to 1 inch. (Accompanying report No. 549, “Structural Materials along the St. Lawrence River.”)
558. Distribution of sandstone in the district north of the St. Lawrence river, between Kingston and Brockville, Ont. Scale 3.95 miles to 1 inch. (Accompanying report No. 549, “Structural Materials along the St. Lawrence River.”)

559. Distribution of sandstone in the vicinity of Ottawa, Ont. Scale 3.95 miles to 1 inch. (Accompanying report No. 555, "Silica in Canada.")
560. Distribution of sandstone in the vicinity of Montreal, Que. Scale 3.95 miles to 1 inch. (Accompanying report No. 555, "Silica in Canada.")
561. Sketch map of quartzite deposits, townships of Chavigny and Montauban, Que. Scale $\frac{1}{2}$ mile to 1 inch. (Accompanying report No. 555, "Silica in Canada.")
562. Distribution of quartzite in the Kamouraska district, Que. Scale 7.89 miles to 1 inch. (Accompanying report No. 555, "Silica in Canada.")
563. Sketch map of the Pilgrim islands, River St. Lawrence, near St. André, Kamouraska county, Que. Scale 1,000 feet to 1 inch. (Accompanying report No. 555, "Silica in Canada.")
581. Magnetometric map, Orton mine and vicinity, Hastings county, Ont. Scale 200 feet to 1 inch. (Accompanying report No. 579, "Titanium.")
582. Magnetometric map of part of the Seine Bay titaniferous magnetite deposits. Scale 400 feet to 1 inch. (Accompanying report No. 579, "Titanium.")
613. Mineral map of the Dominion of Canada. British Empire Edition. Scale 100 miles to 1 inch.

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