

by Angus Smith. A Few Stray Observations about Instruments, by D. D. James. Faulty Descriptions, by E. C. Steele. Topographical Survey by Stadia Measurements, by L. B. Stuart, of the School of Practical Science. Rambling Notes on an Exploration Survey on the Athabasca and Churchill Rivers in 1888, by T. Fawcett.

The question of personal supervision of surveys was one that was discussed at some length by the convention. It was held that in carrying on any work surveyors should not appoint unauthorized persons as assistants, and that when they used their pupils as assistants they should be careful to superintend the work themselves from time to time. The matter was referred to the council, who will at their next meeting pass a by-law defining accurately what is meant by personal supervision.

The financial report of the secretary showed the Association to be in a flourishing condition.

On Wednesday evening the annual dinner was held, which was pronounced a success by the forty-two persons who sat down.

Officers for the ensuing year were elected as follows: President; J. W. Tyrrell; vice-president, Dr. Otto J. Klotz; sec.-treasurer, Capt. Killaly Gamble; auditors, W. A. McLean, L. V. Rorke.



NEW INCORPORATIONS.

Canada.—Dominion Cement Block Machine Co., Ottawa; \$100,000. C. A. Irvin, H. P. Fleming, C. H. Hutchings, Ottawa; C. E. B. Adams and J. H. Hall, Toronto.

The Hill Crest Coal and Coke Co., Montreal; \$500,000. R. H. Pope, Cookshire; W. Farewell, Sherbrooke, Que.; G. W. Fowler, Sussex, N.B.; M. P. Davis, Ottawa; R. B. Pringle, Cornwall, Ont., and C. P. Hill, Frank, Alta., N.W.T.

Canadian Appraisal Co., Montreal; \$50,000. F. Paul, W. M. Doull, P. C. Ryan, L. Guest, H. Seymour, and E. Dowson, Montreal, Que. To supervise the construction of building machinery and industrial plants, and to act as average adjusters, etc.

Monterey Electric and Gas Co., Toronto; \$3,000,000. W. Mackenzie, W. Laidlaw, Z. A. Lash, A. W. Mackenzie, Toronto, and S. H. Holt, Montreal.

W. J. McGuire & Co., Montreal; \$50,000. W. J. McGuire, G. F. McGuire, Toronto; R. J. McCauley, W. L. Horn, and H. C. Stone, Quebec. To manufacture and deal in automatic sprinklers and other fire-extinguishing apparatus.

New Brunswick.—The Richibucto-Rexton Telephone Co.; \$20,000. W. J. Brait, A. B. Carson, T. C. Burns, F. W. Tozer, M. Tanigan, and others, of Montreal. To operate a telephone system in the counties of Kent, Northumberland and Westmoreland.

Ontario.—Francis Gold Mines, Limited, Sault Ste. Marie; \$1,000,000. E. M. Stenabaugh, J. Gostanian, R. H. Taylor, H. F. Reid, Sault Ste. Marie, Mich.; and E. A. Head, Sault Ste. Marie, Ont.

The Scarboro' Telephone Co., Toronto; \$40,000. A. Neilson, J. Neilson, D. Brown, Scarboro'; T. A. Young, Markham, and W. Mulock, Toronto. To carry on the business of a telephone company in the counties of York and Ontario.

The Bessemer Iron Mines, Sault Ste. Marie; \$200,000. R. Henry, Sault Ste. Marie, Ont.; E. S. B. Sutton, C. W. Baldwin, A. B. Standish, and T. Bailey, Sault Ste. Marie, Mich.

The Markham and Pickering Telephone Co., Whitevale; \$40,000. A. Hoover, W. Hoover, D. R. Beaton, W. A. Fuller, Pickering, and A. C. Reesor, Markham. To carry on business of a telephone company in York, Ontario, and Durham.

The Ontario and Minnesota Power Co., Toronto; \$3,000,000. E. W. Backus, Minneapolis, U.S.; A. Mackenzie, W. H. W. Templeton, G. F. McFarland, and R. A. Grant, Toronto.

Archer Light, Heat and Power Co., Toronto; \$100,000. R. B. Youngusband, I. F. Moore, J. M. Sinclair, C. B. Murray, and A. W. Holmestead, Toronto.

The Huntsville Foundry and Machine Co., Huntsville; \$20,000. J. H. Johnson, F. H. Tool, A. C. Suttaby, T. D. Moase, and D. M. Grant, Huntsville. To carry on the business of foundrymen and machinists in all its branches.

The Connor-Woods Machinery Co., Sarnia; \$40,000. G. F. Connor, F. W. Woods, D. E. Purdy, F. C. Godley, Port Huron, Mich., and A. S. Burnham, Sarnia, Ont. To manufacture and deal in agricultural and wood-saving machinery.

The Curtis & Neff Screw Co., Ingersoll; \$30,000. F. O. Curtis, F. D. Curtis, M. Neff, J. A. Neff, and E. A. Neff, Ingersoll. To manufacture screw machines, machine screws, nuts, and bolts.

Blind River Light, Heat and Power Co., Blind River Tp.; \$40,000. D. I. Millar, Sault Ste. Marie, Ont.; F. R. Price, D. S. Pindell, Sault Ste. Marie, Mich.; E. F. Bradley, Toronto, and G. A. McArthur, Blind River Tp., Algoma.

Thompson & Livock, Limited, Ottawa; \$40,000. L. H. Thompson, J. Livock, F. X. Laderoute, K. H. D. Thompson and A. Livock, Ottawa. To carry on the business of plumbers, steam and gas fitters, electricians and manufacturers of engines, machines, etc.

Thomas Lawson & Sons, Ottawa; \$50,000. T. Lawson, C. T. Lawson, A. T. Lawson, R. Mitchell and J. Lawson, Ottawa. To carry on the business of nickel and electro-platers, machinists, pattern makers, etc.

John Hillock & Co., Toronto; \$40,000. F. Hillock, J. S. Hillock, M. C. Hillock, J. F. Hillock, and C. W. Hillock, Toronto. To carry on the business of carpenters, joiners, contractors, and to manufacture and deal in refrigerators, builders' supplies, etc.

The Close Brick Co., Stratford; \$25,000. G. Close, W. Miller, F. J. Scarff, J. L. Youngs, D. H. Farrow, and J. H. Kenner, Stratford. To manufacture brick and tile.

Keystone Engineering Co., Toronto; \$40,000. A. W. Kirvan, F. B. Johnson, S. Johnson, R. H. Parmeter, and A. J. Thomas, Toronto. To carry on the business of general contractors of construction and engineering works.

The Campbell Milling Co., incorporated under the laws of the Dominion of Canada, has also received a charter from the Ontario Government, and has appointed D. A. Campbell, Toronto Junction, attorney.

Lumen Bearing Co., New York, U.S.A., has been licensed to operate in Ontario, provided it does not use more than \$60,000 capital. To manufacture and sell metals, alloys, castings, etc. W. K. B. Patch, Toronto, attorney.

Dain Manufacturing Co., Iowa, U.S.A., has been licensed to operate in Ontario, provided it does not use more than \$40,000 capital. To manufacture and sell implements and to operate machine shops. L. R. Shantz, Waterloo, attorney.

British Columbia.—British Columbia Wire and Nail Co.; \$50,000.

The Western Power Co.; \$25,000.

American and British Columbia Hydraulic Placer Co.; \$50,000.

The Dease Creek Hydraulic and Development Co.; \$50,000.

Enderby Coal Mines, Limited; \$250,000.

Spokane Boundary Mining Co.; \$100,000.

International Telephone Co.; \$50,000.

The Whatshan Lake Power Co.; \$250,000.

South Yale Copper Co.; \$450,000.

Spokane Boundary Mining Co.; \$100,000.

N.W.T.—Calgary Lime and Cement Co.



CATALOGUES RECEIVED.

The following catalogues may be obtained on mentioning the Canadian Engineer:

Brown & Sharpe Mfg. Co., Providence, R.I.: Catalogue of Machinery and Tools, 1905. Regular pocket edition, 3½ by 5¾, nearly 500 pages.

Canadian Rand Drill Co., Montreal: Catalogue C, Air and Gas Compressors. 100 pages, 7 by 9, illustrated, with useful information and tables.

Westcott Chuck Co., Oneida, N.Y.; Catalogue of Lathe and Drill Chucks. 32 pages, 7 by 9, illustrated.

Allis-Chalmers-Bullock, Limited, Montreal: Catalogue of Ingersoll-Sergeant Air Compressors. 64 pages, 7 by 10, illustrated.