

114,722; 191 local branches of non-international bodies with a combined membership of 23,664; and 31 independent units with a reported membership of 4,957. These figures as compared with those of 1914 indicate a loss for the year 1915 of 113 local branches and 25,760 members of international organizations; a reduction of five branches of non-international bodies, but a gain of 2,729 in membership; the independent units, a loss of two, but a gain of 211 in the membership reported. The membership of all classes of organized labor in Canada as reported to the department for the past five years has been as follows: 1911, 133,132; 1912, 160,120; 1913, 175,799; 1914, 166,163; 1915, 143,343.

Nearly one-half of the local trade union branches are found in twenty-two cities, and these branches comprise over 40 per cent. of the entire trade union membership in the Dominion. Montreal, as in 1914, stands in first place as to the number of local branches, but the proportion of branches reporting was not so good as in some other localities. Toronto, with a reduction of thirteen branches, still retains second position.

A table showing the expenditure on account of benefits paid during the year 1915 by the various central labor organizations operating in Canada is included in the report. Of the international bodies 81 have benefit features on a varying scale. The total disbursements for 1915 amounted to \$14,565,365, an increase of \$1,727,378, as compared with the amount paid in 1914.

The report follows closely along the lines of former reports on labor organization in Canada, the various phases of the scheme of organization which have been developed being given due consideration.

A chapter is given to a review of some of the leading building trades organizations, showing the progress and achievements of the various bodies discussed.

The report serves as a directory of trade unions for the Dominion for 1916, including as it does particulars not only of every known local trade union in Canada, but also a list of all international and non-international central organizing bodies, together with the names and addresses of the chief executive officers.

It is reported that a sensational find of copper running \$100 to the ton, has been made northwest of The Pas in the Beaver Lake district. The Hayden-Stone company of New York, has taken an option on it at \$3,500,000. Ten million tons have been blocked out by diamond drill tests. A great mining industry is expected in that region.

A bill has been approved by the council and ministers of Petrograd, Russia, providing for the expenditure of 600,000,000 rubles (normally \$300,000,000) per annum for a period of five years for construction of railroads in Russia. It is proposed to build 6,000 versts (4,000 miles) of roads per year during that term.

In cold weather frequently it is difficult to start the gasoline engine of a motor truck, road roller, etc. Even in warm weather there are occasional difficulties of this sort, particularly where the engine is large. It has been found advantageous to use ether for priming, instead of gasoline, for a heavy motor may thus be started with very little effort. A very small quantity of ether inserted in the cylinders will enable the operator to start the motor on the first quarter-turn.

Notwithstanding the war, and its disastrous effects on the export trade, due to the high freight rates that are prevailing, the iron-ore mining industry in Morocco continues to make excellent progress. According to some recently issued figures, 89,190 tons of hematite ore were last year shipped from the port of Meillila; of this quantity 71,739 tons came from the mines of the Compania Espanola de Minas del Rif, 13,601 tons from those of the Sociedad La Alicantina, and 3,850 tons from those of the Sindicato Minero de Mellila.

## PERSONAL.

GILBERT PREECE, of the firm of Wales and Preece, electrical contractors, Toronto, who is at present on active service at the front, has been wounded. He holds the rank of bombardier in the British army.

Lieut.-Col. C. J. BURRITT has been appointed assistant director of engineering services with headquarters in Ottawa. Lieut.-Col. Burritt is an architect and engineer by profession, practising in Ottawa.

A. V. REDMOND, formerly in service of N.T.R. Commission, has been appointed resident engineer, District 2, Cochrane, Ont., vice H. J. Black, enlisted for overseas service with No. 1 Construction Battalion.

H. M. ASHMAN, formerly of the electrical distribution department of the Montreal Light, Heat and Power Company, has been appointed electrical superintendent of the St. Lawrence Brick Company's plant, Laprairie, P.Q.

MacALLISTER MOORE, well known throughout Canada as representative of the Simplex Electric Heating Company, has resigned that position and joined the sales force of the National Electric Utilities Corporation, New York.

Prof. ALBERT LEDOUX, of the University of Brussels, is collecting for the Ontario Bureau of Mines mineral specimens for exhibition purposes. Prof. Ledoux, during the past year has been on the staff of the Department of Mineralogy, University of Toronto.

C. H. SPEER, who for a long time has been associated with the Algoma Steel Corporation, has been appointed chief engineer in succession to J. D. Jones, who has been engaged to fill a similar position in the large Gary steel plant of the United States Steel Corporation.

C. H. McMILLAN, manager of the steel department of the Canada Cement Co., Montreal, has resigned. C. STENDOL, who was formerly with the Dominion Steel Corporation, and at a previous period held an important position with the Algoma Steel Company, will succeed Mr. McMillan.

Lieut. ALEX. WILSON, of the 244th Battalion, C.E.F., has been presented with an automatic Colt revolver, suitably inscribed, by the electrical distribution department of the Montreal Light, Heat and Power Company, of which he was head, prior to joining the colors. The presentation was made by Mr. Kenyon, assistant engineer of the department.

D. A. VALLEAU, for many years superintendent of the Oshawa Electric Railway System, has resigned. J. J. CALLAGHAN, formerly with the Montreal Tramways as chief inspector, and later superintendent of the Montreal and Southern Counties Railway System, succeeds Mr. Valleau. For a time Mr. Callaghan was operating superintendent of the London and Port Stanley Railway System after its electrification by the Hydro-Electric Power Commission of Ontario.

D. LYTTON MACDOUGALL, an engineer, has enlisted in the Railway Construction Corps (239th of British Columbia), for which recruits are being received in London. Mr. Macdougall was recently engaged in appraisal work for the United States Government on the Old Dominion Railway of Virginia, and upon completion of his task immediately came to Canada to enlist. Mr. Macdougall was born in Winnipeg 34 years ago. He spent seven years as engineer with the Chesapeake and Potomac Telephone Company of Baltimore, five years with the National Transcontinental Railway during the