

CONTRACTS AWARDED.

For Electrical Equipment at Toronto and London.

(Also see page 208.)

**London, Ont.**—On Saturday afternoon, the light and power commissioners met, and awarded contracts as follows:

Division 1—Ten oil insulated water-cooled Transformers, Central Electric and School Supply Company ..... \$12,000

2—One 40-k.w. automatic voltage regulator, Ferranti, Limited ..... 2,250

3—Three 20 kw. automatic voltage regulators, Canadian General Electric Company ..... 4,600

4—All lightning protective apparatus for both stations, Canadian General Electric Company..... 1,800

5—Complete switchboard, instruments and wiring connections between all apparatus, Canadian General Electric Company ..... 10,100

6—Complete set portable instruments as specified, Ferranti, Limited ..... 1,375

7—Constant direct current arc light transformer and rectifier, and,

8—Sixty arc lamps with absolute cut-outs, Canadian General Electric Company ..... 4,300

9—Eight constant current transformers for street series, incandescent lighting, Ferranti, Limited ..... 2,425

10—1,550 street fixtures, as specified, Wheeler Reflector Company ..... 6,286

11—2,000 series 6.6 ampere 75 or 80 watt lamps, Sunbeam Incandescent Lamp Company..... 2,500

Total ..... \$47,636

**Toronto, Ont.**—The city of Toronto received the following tenders for approximately 8,000 k.w. of 13,200 volt transformers required in connection with the distribution of hydro-electric power:—

	No. 1.	No. 2.	No. 3.	No. 4.	No. 5.	No. 6.
1	\$12,840	\$11,610	\$ 9,200	\$ 7,800	\$ 7,800	\$ 5,650
2	13,500	12,750	9,000	7,125	6,750	6,250
3a	14,100	13,050	8,800	7,050	6,510	6,150
3b	16,860	13,050	10,770	8,400	7,380	7,530
4	11,430	10,470	9,666	7,227	6,576	6,192
5	13,170	11,532	8,820	7,740	7,110	5,430

  

	No. 7.	No. 8.	No. 9.	No. 10.	No. 11.
1	\$15,680	\$12,670	\$10,550	\$ 3,270	\$ 3,060
2	16,625	15,750	11,715	3,975	3,425
3a	16,100	13,930	10,250	3,330	3,070
3b	16,800	13,930	10,250	3,740	3,370
4	15,239	14,175	10,395	3,424	3,190
5	15,260	15,365	12,400	3,130	3,240

The tender submitted by No. 2 is from an American firm and does not include duty. In his report to the Board of Control relative to these tenders, K. L. Aitken, electrical engineer, says that items 1, 2 and 3 are alternative. We wish to accept item 3, and recommend the acceptance of tender No. 3a, of the Canadian General Electric Company, \$8,800, this being the lowest.

Items 4, 5 and 6 are alternative. We wish to accept item 6, and recommend the acceptance of tender No. 5, of the Canadian Westinghouse Company, \$5,430, the lowest.

Items 7 and 8 are alternative. We wish to accept item 8, and recommend the acceptance of tender No. 1, of the Allis-Chalmers-Bullock, Ltd., \$12,670, this tender being the lowest.

Item 9. We recommend the acceptance of tender No. 1, of Allis-Chalmers-Bullock, Ltd., \$10,550. This tender is the only one for this section which covers apparatus of a size suitable for our purpose and, while not the lowest, is very close to being the lowest. Tenders Nos. 3a and 3b (\$10,250) are lower, but do not cover apparatus as called for in our specifications. Tender No. 4 (\$10,395) is lower, and covers apparatus made in England. We think tender No. 1, acceptance of which we recommend, is most desirable from every standpoint.

Items 10 and 11. These items are alternative. We wish to accept item 10, and recommend the acceptance of tender No. 5, of the Canadian Westinghouse Company, Ltd., \$3,130, this tender being the lowest.

ENGINEERING SOCIETIES.

**CANADIAN SOCIETY OF CIVIL ENGINEERS.**—413 Dorchester Street West, Montreal. President, Col. H. N. Ruttan; Secretary, Professor C. H. McLeod.

Chairman, L. A. Vallee; Secretary, Hugh O'Donnell, P.O. Box 115, Quebec. Meetings held twice a month at Room 40, City Hall.

TORONTO BRANCH—

96 King Street West, Toronto. Chairman, A. W. Campbell; Secretary, P. Gillespie, Engineering Building, Toronto University, Toronto. Meets last Thursday of the month.

MANITOBA BRANCH—

Chairman, H. N. Ruttan; Secretary, E. Brydone Jack. Meets first and third Fridays of each month, October to April, in University of Manitoba, Winnipeg.

VANCOUVER BRANCH—

Chairman, Geo. H. Webster; Secretary, H. K. Dutcher, 40-41 Flack Block, Vancouver. Meets in Engineering Department, University

OTTAWA BRANCH—

Chairman, W. J. Stewart, Ottawa; S. J. Chapleau, Resident Engineer's Office, Department of Public Works.

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**CANADIAN STREET RAILWAY ASSOCIATION.**—President, D. McDonald, Manager, Montreal Street Railway; Secretary, Acton Burrows, 157 Bay Street, Toronto.

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**CENTRAL RAILWAY AND ENGINEERING CLUB.**—Toronto, President, J. Duguid; Secretary, C. L. Worth, 409 Union Station. Meets third Tuesday each month except June, July, August.

**DOMINION LAND SURVEYORS.**—Ottawa, Ont. Secretary, T. Nash.

MARKET CONDITIONS.

Following the quotations of the various articles listed in the markets will be found in brackets numbers, thus (10). These numbers refer to the list number of advertisers on page 3 of this issue and will assist the reader to quickly find the name and address of a firm handling any particular article. Buyers not able to secure articles from these firms at the prices mentioned will confer a favor by letting us know.

Montreal, March 3rd, 1910.

It would seem that the production of pig-iron, in Canada, during 1909, was not only largely in excess of that of 1908, but was a record for Canada. This was, of course, generally expected, so that the confirmation by the American Iron and Steel Association caused no surprise. The figures are interesting:—Pig-iron produced in Canada, in 1907, 581,146 tons; in 1908, 563,672 tons; in 1909, 677,090 tons.

It will be seen that the production increased 113,418 tons, in 1909, or over 20.1 per cent, a very satisfactory condition of affairs.

The production during the first half of the year was slightly in excess of that of the second half, being 349,641 tons, against 327,449, the second half. Of the entire production in 1909, some 660,856 tons were made with coke and the balance, 16,234 tons, with charcoal and electricity.

The following shows the quantities of basic and Bessemer produced:—

Basic pig-iron, 1908, 335,410 tons; 1909, 357,965 tons.

Bessemer pig, 1908, 112,811 tons; 1909, 169,545 tons.

Four companies, owning nine coke furnaces, made all the basic iron, and the two companies, owning three coke furnaces, produced all the Bessemer. Both basic and Bessemer were entirely produced with coke.

On the last day of the year, there were sixteen furnaces completed in