

CANADIAN ASSOCIATION OF STATIONARY ENGINEERS.

NOTE: Secretaries of Associations are requested to forward matter for publication in this Department not later than the 15th of each month.

MONTREAL NO. 1.

At a regular meeting of Montreal No. 1, held in their hall, No. 1863 Notre Dame street, recently, it was unanimously carried that the meeting of September 26th be an open meeting, to which the public in general, and all those interested in the C.A.S.E., be cordially invited. The subject under discussion that evening was a paper on the "Precipitation System of Sewage Disposal," as in operation at Hamilton, Ont., by P. McNaughton.

BRANTFORD NO. 4.

The above association has elected the following officers: President, Arthur Ames; Vice-President, Thos. Pilgrim; Secretary, O. S. Merrill, Brantford Carriage Co.; Treasurer, A. C. Walker; Conductor, J. Nichols; Door-Keeper, A. McKinnon. The Secretary writes that they are in a prosperous condition, having made all arrangements for the coming winter.

Why does it cost less to run a condensing engine than a non-condensing one with the same machinery running in the factory? Simply because the former develops less total power than the latter. The area of the card will be the same, but the average height above the vacuum line will be less in the former case, and this is what determines the total power developed at a given speed.

CEMENT FOR LEATHER BELTING.—The importance of suitable cement for making joints in leather driving belts has led the Society of Chemical Industry to endorse the following formula: First, equal parts of good hide glue and American isinglass, softened in water for 10 hours, then boiled with pure tannin until the whole mass is sticky, the surface of the joints to be roughened and the cement applied hot; second, one kilogramme of finely shredded gutta percha digested over a water bath with 10 kilogrammes of benzol until quite dissolved, when two kilogrammes of linseed oil varnish are stirred in; third, one and a half kilogrammes of finely shredded india rubber are completely dissolved in 10 kilogrammes of carbon bisulphide by heating, and while hot one kilogramme of shellac and one of turpentine are added, and the solution heated until the two latter ingredients are also dissolved; fourth, one kilogramme of best glue is dissolved at a moderate heat in one and a half kilogrammes of water, and thickened to the consistency of syrup. One hundred grammes of thick turpentine and five grains of carbolic acid are carefully stirred in while hot; the mixture to be poured into flat tin pans and allowed to cool, then cut into pieces and dried in the air. The cement is made liquid with a little vinegar and applied to the point with a brush; this being done, the two ends of the joint are properly placed together and thoroughly pressed between two iron plates heated to a temperature of about 86 deg. Fah.

AN EXCELLENT SUPPLY CATALOGUE.

THAT a first-class catalogue is appreciated by the trade is apparently recognized by the Canadian General Electric Company, who have, in their recent production relating to electrical supplies, surpassed all previous attempts in this direction. This supply catalogue contains some 350 pages, seven by ten inches in size, and enclosed in a beautiful cover. Upon opening the book we find in the front nicely printed half tone illustrations of the company's works at Peterboro', the head office and warehouse in Toronto, and the branch offices at Montreal, Vancouver, Winnipeg and Halifax. Then comes the catalogue proper of the various lines of electrical goods, divided into the following departments: Switches, sockets and receptacles, cut-outs, miscellaneous incandescent supplies, incandescent lamps, shades, fixtures, construction material, tools, arc light supplies, instruments, rheostats and circuit breakers, lightning arresters, transformers, marine appliances, fan motors, electric cooking and heating appliances, bell supplies and house goods. We find also valuable wiring tables and data, the telegraph code, an index to code words, index to materials, and the rules of the National Board of Fire Underwriters for the installation of wiring and apparatus for electric light, heat and power. Altogether, it is a book of almost inestimable value to central station managers and purchasers of electrical supplies, and a credit to the compilers, the Canadian General Electric Company.

MOONLIGHT SCHEDULE FOR NOVEMBER.

Day of Month	Light		Extinguish.		No. of Hours.
	H. M.	H. M.	H. M.	H. M.	
1	P.M. 5.10		P.M. 8.50		3.40
2	" 5.10		" 8.50		3.40
3	" 5.10		" 9.50		4.40
4	" 5.10		" 10.50		5.40
5	" 5.10		" 11.50		6.40
6	" 5.10		A.M. 12.50		7.40
7	" 5.10		" 2.00		8.50
8	" 5.10		" 3.00		9.50
9	" 5.10		" 4.00		10.50
10	" 5.10		" 5.00		11.50
11	" 5.12		" 6.00		12.50
12	" 5.10		" 6.00		12.50
13	" 5.10		" 6.00		12.50
14	" 5.10		" 6.00		12.50
15	" 5.10		" 6.00		12.50
16	" 5.12		" 6.00		12.50
17	" 5.10		" 6.00		12.50
18	" 5.10		" 6.00		12.50
19	" 5.10		" 6.00		12.50
20	" 7.00		" 6.00		11.00
21	" 10.00		" 6.00		8.00
22			" 6.00		5.50
23	A.M. 12.10				
24	" 2.00		" 6.00		4.00
25	" 3.00		" 6.00		3.00
26	" 3.00		" 6.00		3.00
27	No Light.		No Light.	
28	No Light.		No Light.	
29	No Light.		No Light.	
30	P.M. 5.00		P.M. 9.00		4.00

Total..... 227.40

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