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Canadian Association of Stationary Engineers.

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ONTARIO.

Toronto Branch, No. 1—W. Phillips, President; H. E. Terry, Secretary, 19 Hayes Street. Meets 2nd and 4th Fridays of the month, at 8 p.m., in Room D, Shaftesbury Hall.

Hamilton Branch, No. 2—W. Sweet, President; W. Morris, Secretary, Wellington Street. Meets 1st and 3rd Fridays of the month in Maccabees Hall.

Stratford Branch, No. 3—No report.

Branford Branch, No. 4—J. Ogle, President, J. B. Forsyth, Secretary, Box 206. Meets 2nd and 4th Fridays.

London Branch, No. 5—F. Mitchell, President; Geo. Taylor, *Free Press* office. Meets 2nd Tuesday in the month in Sanford Hall.

Guelph Branch, No. 6—C. J. Jordan, President, J. L. Dixon, Secretary, box 306. Meets 1st and 3rd Wednesdays, in Knights of Labor hall.

Ottawa Branch, No. 7—J. H. Thompson, President; Wm. O'Brien, Secretary, corner Florence and Bay Streets. Meets 2nd and 4th Tuesdays in Odd fellows' Hall.

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St. Laurent Branch, No. 2 (Montreal)—Rosaire Drouin, President, A. Latour, Secretary, 306 Delisle Street. Meets 1st and 3rd Thursdays in Odd fellows' Hall, Craig Street.

CANADIAN ASSOCIATION OF STATIONARY ENGINEERS.

The Canadian Association of Stationary Engineers, Toronto No. 1, held their regular meeting on September 11th, with President Wilson Phillips in the chair. One member was initiated and an application was received from another to become a member. Under the head of "Good of the Order," the following questions were answered and illustrated on the blackboard by past President Blackgrove:—

Q. What would be the difference in percentage of strength of joint as compared with solid plate in the following joints.

Thickness of plate, $\frac{1}{4}$ in.; diameter of rivet, $\frac{1}{2}$ in.; pitch, 2.27 inch? A. 72%.

Thickness of plate, $\frac{1}{4}$ in., diameter of rivet, $\frac{1}{4}$ in.; pitch, 2.29 in? A. 69.97%.

Q. Is there any advantage in making girth seams double riveted? A. No.

Q. Is there any advantage in securing the flange of a dome by double rivetted joint? A. No.

Q. What size of boiler should be put in to heat a building containing 300,000 cubic feet of space and run a ten horse-power engine? A. Thirty h.p.

Q. What would be the safe working pressure of a boiler 60 in. diameter, $\frac{1}{4}$ in. plate; joints same as first question above, 60,000 lbs. tensile strength, Dalzell steel? A. One hundred and twenty-five pounds to the square inch.

On August 25th, the usual meeting was held, with Vice-President Butler in the chair *pro tem*. Two members were initiated, and an application for membership was received. The two alternate delegates, Bros Sutton and Gilchrist, were asked to fill the places of Bros Lewis and Phillips, who cannot attend the convention of engineers to be held in Montreal.

After the ordinary business was disposed of, a long discussion took place on questions that are expected to come before the engineers' convention, and final instructions were given to the delegates who are appointed to represent the association.

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