

MUNICIPAL DEPARTMENT

BUILDING HIGH TRESTLES.

The Anchorage of High Trestles was discussed by Mr. J.M. Shanly in a paper on the construction of the Great Northern Railway of Canada, recently read before the Canadian Society of Civil Engineers. On this line there was a steel viaduct with two 40-foot towers, the rail base being considerably higher. It was impracticable to design them so as to avoid tension in the windward posts and it was necessary to anchor their bases to heavy masses of masonry. This was a very difficult matter to do, and at the same time keep the heads in exactly the proper position to receive the shoes, as a very slight displacement would cause a misfit between them and the iron work of the towers. To overcome this, the following method was adopted. The position of the bolts was first fixed accurately on the foundations, and a round stick 6 to 8 inches in diameter, and long enough to project above the level of the coping, slightly tapering downward, was set up perpendicularly over the point and firmly fixed in position; the masonry was then built up around the stick as high as the under side of the cap. The sticks were then withdrawn and the cap placed

in position. The position of the anchor bolts was then again located and marked on the caps, and holes of proper size drilled through them into the space below to admit the anchor bolts. When the time came to set the anchorages, these holes and the space below were filled with grout and the bolts dropped into place. This method worked very well, though in a few cases the holes in the shoe plates had to be slightly enlarged, and in one or two cases the bolts had to be withdrawn and reset. When the iron was put on a few bolts were found to be loose, owing probably to some inferiority in the grouting; it is deemed prudent, therefore, to test them all, and any that were found loose were withdrawn and re-set. Mr. Shanly does not speak favorably of this method of anchorage and suggests that an improvement on it is needed.

The Master Plumbers Association of Sherbrooke and District of St. Francis, recently organized, have elected the following officers: President, J. Brown; first vice-president, R. Samson; second vice-president, E. Roy; secretary, W. Pilote; treasurer, N. Labrecque.

The Board of Works of Vancouver, B. C., has under consideration a proposal from the Dominion Paving Company to supply wood block treated with a preservative at 11 cents per foot. It is claimed that the preservative will prevent rot or the formation of fungus growths.

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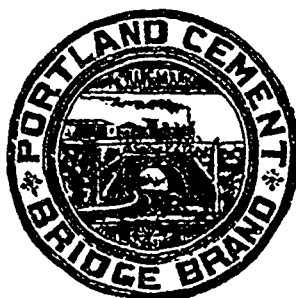
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