

shipped two carloads of "Kelsey" warm air generators to Winnipeg, Man., and have an order for two No. 24 "kelseys" to be installed in a large building at Phoenix, B. C. The addition to Bonar Presbyterian church, Toronto, will be warmed with one No. 24 Kelsey. Same firm have secured contracts for generators to be installed at Sault Ste. Marie and Gore Bay, Ont.

TORONTO, ONT.—The separate school board has let the contract for new four room school, corner King street and Close avenue, to William Clarke, at \$8,648.—For building two rooms at Sacred Heart school the following tenders have been accepted: Wm. Keane, mason and brick-work, \$2,390; Madden Bros., carpenter work, \$1,583; James Hall, roofing, \$225; J. Boyce & Son, plastering, \$227; Toronto Furnace Co., plumbing, \$246; R. Bigley, furnace, \$225; J. W. Moran, painting, \$133.

SAULT ST. MARIE, ONT.—Tenders for sewerage works were opened last week by the council as follows: King & Steele, Duluth, section A, \$37,275, section B, \$25,198; J. H. McKnight, Toronto, section A, \$33,000, section B, \$18,000; A and B \$51,500; Thos. McCoy, Duluth, section A, \$35,500, section B, \$19,500; M. McCarthy, section A, \$24,495. The tender of M. McCarthy for section A, and that of J. H. McKnight for section B have been accepted. Willis Chipman, of Toronto, is consulting engineer.

OTTAWA, ONT.—The following tenders have been accepted by the School Board for addition to Creighton street school: Alex. Garvoek, brick and stone work, \$1,450; Christie & McCready, carpenter work, \$2,675; W. R. Williamson, plastering, \$363; W. J. Carson, painting and glazing, \$415; McKinley and Northwood, plumbing, \$155; McKinley & Northwood, heating and ventilation, \$731; Wadsworth & Sheppard, galvanized iron work, \$325.—For heating the Bolton street school the tender of May &

McWhinney has been accepted, and for metal ceilings at Kent street school the successful tenderer is McKinley & Northwood.—The tender of Currier & Co., for desks, etc., for the public school, has been recommended for acceptance.—The contract for the erection of a new bridge over Cody's creek, between Fitzroy and Huntlev, has been let to A. A. Sims.

In building a surface-water drain for Goldsmith Brook, in West Roxbury, Boston, a bed of quicksand was encountered 60 feet below the grade of the conduit, and borings showed no stratum of gravel through which water could be pumped in order to dry out the quicksand. Tubular wells were sunk 20 to 25 feet below grade, surrounded by gravel, through which the water from the quicksand filtered to the well. The method adopted to accomplish this was first to sink a 10-inch pipe by means of a water-jet, then to place inside of it a 2½-inch pipe, perforated for about 5 feet at the bottom. This smaller pipe extended down at the bottom of the large pipe. The space between was then filled

with coarse sand and the large exterior pipe withdrawn, leaving the perforated pipe surrounded with coarse sand. The water which filtered through was then pumped from the 2½-inch pipe by means of a steam ejector nozzle, placed at the bottom of the well, connected with a still smaller pipe in the interior of the 2½-inch pipe.

ARTESIAN WELL BORING.

The great value of artesian boring in Central Australia has just been proved by the successful result of operations at Anaconda, about fifty miles east of Charlotte Waters. After boring to a depth of 1,250 feet a daily supply of 700,000 gallons of water has been obtained, and a dry district has been transformed into an oasis. There is now a lake about half a mile long and a quarter of a mile wide at Anaconda. In consequence of the great success of this bore the Government is inviting tenders for the sinking of another about thirty miles to the north-east, where the prospects are especially favorable, except that it is likely that the bore will be a little deeper.



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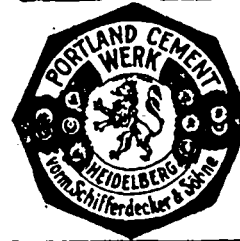
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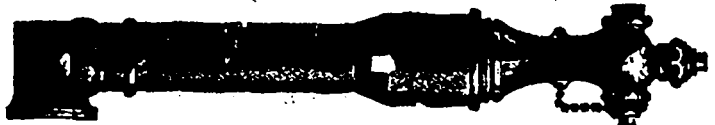
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