

Fig. 4.

shore from the centre line of the old pier. The centre of the new North Main Pier will also be 15 feet west of the centre of the old North Pier, to accommodate the shift of the South Pier, and the centre of the abutments and anchor piers will be shifted 15 feet west also. The details of the abutments and anchor piers have not yet been decided upon.

The caisson for the new North Main Pier, shown in Fig. 3, will be sunk 5 feet south from the existing caisson, and

down to elevation 4 feet, much lower than the caisson for the old pier was sunk. This caisson is 54' x 180'. It has already been constructed at Sillery, three miles east of the bridge site, and was launched on July 8th. The weight of this caisson is estimated at 1,700 tons. The deck of the working chambers, of which there are eight, is made of two layers of 12 x 12 timber, with two layers of 3-inch tongue and grooved planking between them. The body of the caisson must be water-tight,

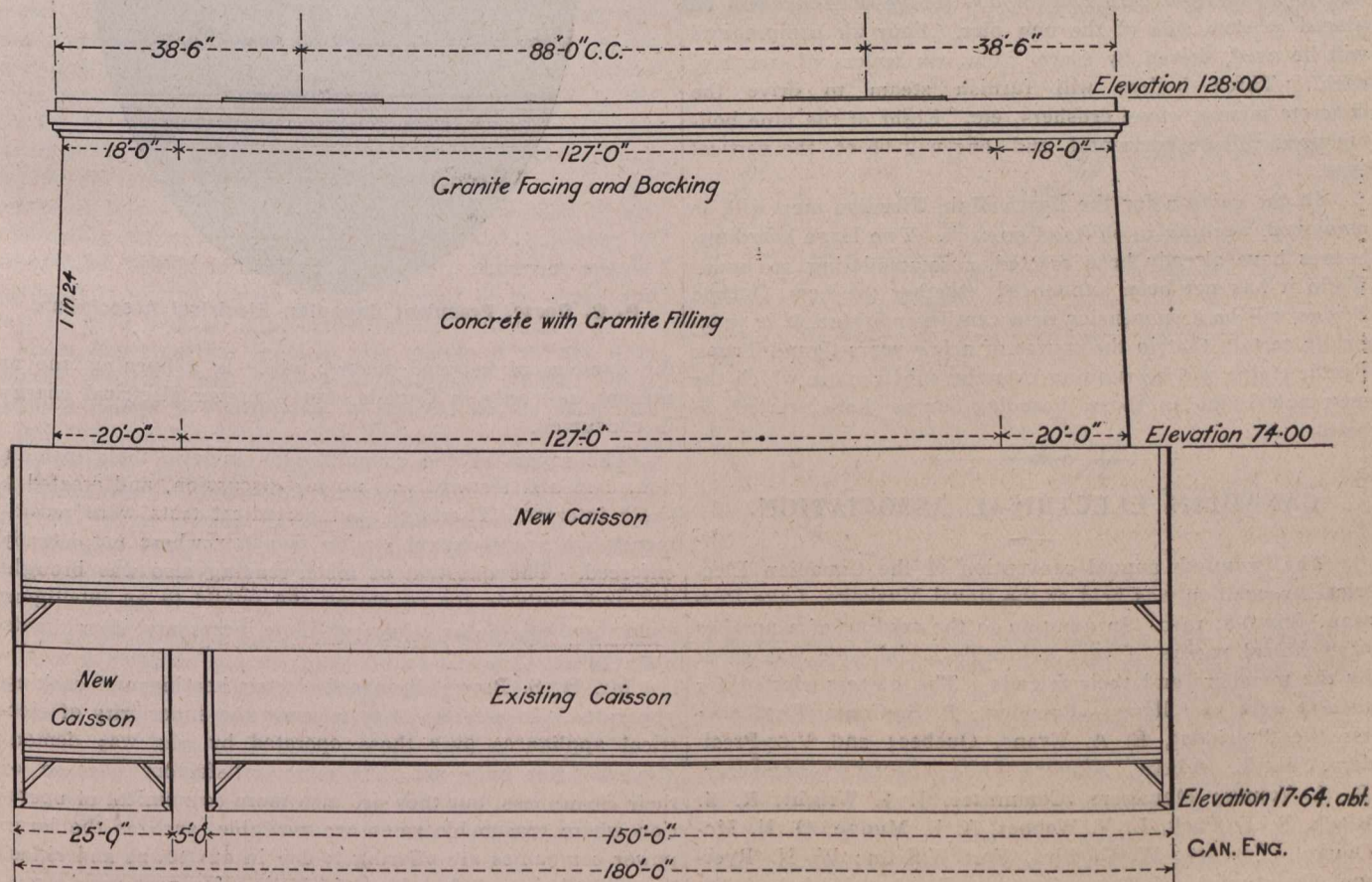


Fig. 5.