

INTERNATIONAL PORTLAND CEMENT COMPANY, Limited.



Peterson Creek Bridge, Ottawa.

This beautiful bridge and railing complete built of International Portland Cement.

Partition walls are constructed in same manner as outside walls, but need not be more than 8 inches thick.

Barn foundations should be built the same way as house foundations, except that the cellar is omitted.

CISTERNS.

Make a circular excavation 16 inches wider than the desired diameter of the cistern, or allow for a wall two-thirds the thickness of a brick wall that would be used for the same purpose and from 14 feet to 16 feet deep. Make a cylindrical inner form, the outside diameter of which shall be the diameter of the cistern. The form should be about 9 feet long for a 14 foot hole, and 11 feet long for one 16 feet deep. Saw the form lengthwise into equal parts for convenience in handling. After forms are united in cistern, block up at intervals of six inches above the bottom of the excavation. Withdraw blocking after filling in spaces with concrete and then fill holes left with rich mortar.

Make concrete one part cement, two parts clean, coarse sand, and four parts broken stone or gravel. Mix just soft enough to pour.

Be sure that inside surface is clean, and moist. Then plaster with one cement to two sand. Allow cement to set before any water enters the cistern.

WATERING TROUGHS.

Watering troughs may be made with or without reinforcing, but troughs without reinforcing should have a greater thickness of concrete. Troughs may be built with a solid base or set on bench.