

sand, all to be very carefully measured and mixed, and to be used within one hour after mixing, and always before it shall have commenced to set.

Mortar for pointing shall consist of one part Portland cement to one or two parts of sand.

FINISHED COPINGS, PARAPETS, BRIDGE-SEATS AND OTHER FINELY DRESSED SPECIAL STONES.—Work that comes under this head shall be of selected stone of the best quality, free from defects, shall be very accurately cut, being finely bush-hammered where called for, and as per plan and dimensions given. To be laid to $\frac{3}{8}$ inch joints.

FIRST-CLASS MASONRY.—First-class masonry will be laid in Portland cement mortar, in regular courses, each stone being carefully cleaned and dampened, if desirable, before setting. The face stones shall be rock-faced, with edges pitched to a straight line, and no projections exceeding 3 inches. A draft line, 2 inches wide, shall be cut in each angle of the masonry. The beds throughout and the joints for 12 inches back from the face shall be dressed to lay to $\frac{1}{2}$ -inch joints. No course shall be less than 12 nor more than 30 inches in thickness except the coping, and the thickness of any course shall not exceed the course below it. Stretchers shall not be less than 3 feet long, and not less than 18 inches wide, nor less in average width than $1\frac{1}{4}$ times their height, and at no single place less in width than height.

Headers must not be less than 4 feet long, where the wall is of sufficient thickness, and the majority shall exceed that length. Where the wall is not over 5 feet thick, they shall extend entirely through the wall. Headers will extend at least 20 inches beyond the width of the adjacent stretchers. The usual arrangement shall consist of headers and stretchers, alternately arranged, so as to thoroughly bond together the face stones and the backing, for rare exceptions, two stretchers will be allowed to one header, by special permission, to cover each such case. The stones of each course of the face must break joints at least one foot with those of the course below.

(To be Continued.)

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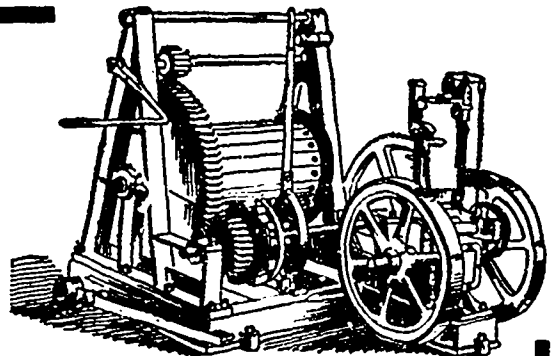


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