

descriptions of unburnt brick and of the precautions taken to preserve the walls and rules relating to the thickness of the walls, the manufacture of bricks and the length of time they should be kept before being used. This undoubtedly goes to prove that brickwork was of universal use and the manufacture

the concrete comprising the main body of the walls, the triangular shape making an excellent bond with the concrete. The construction of their vaulting was seldom of radiating solid brickwork, the brickwork to these generally consisting only of arched ribs round which the concrete was placed, and upon



First Presbyterian Church, Invercargill, nearing completion  
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of the brick and the construction of the walls were arranged on a scientific basis and carried out to rules and regulations. A most interesting form of Roman brick, and one very largely used by the Romans, was of a triangular shape on plan and about  $1\frac{1}{2}$  inches thick. These were used to face up

which the temporary boxing was probably supported. The famous Dome of the Pantheon is an exception. As far as it has at present been examined, viz:—the lower half and top rim, it consists of a tremendous mass and thickness of brickwork, the bricks of which were not laid in the form of radiat-