AUGUST 1, 1908



Public Trust Buildings, Lambton Quay.

This is, so far as we know, the only building erected in the Dominion under the system of creating a rivetted steel frame in advance of the walls. It is, moreover, probably the first build-ing designed in the world with a rivetted steel frame, the members of which—apart from the thoor girders—have only one function, namely, that of giving tensional strength to walls of buck or stone, and binding or tying the walls to each other. The steel construction consists of

Architecture and Building

tower form, with a 22 foot dome in reinforced concrete, with copper ornamentation. There are six floors, including standard and basement. The construction is frequent, and though timber is used for the roof, it is slate covered on the slopes, and plastered internally on metal lathing, fixed direct to purlins. The danger from fire is, it will be seen, minimised, and will be very remote. There is a height of 87ft, to the top of the para-pet, and 74ft, to the erown of the large circular pedments, which are a prominent feature of the tronts, and the dome rises to 98 feet. The fronts are faced with Tonga Bay Granite, a light coloured and coarse grained stone, more easy to work than the majority of the granites.

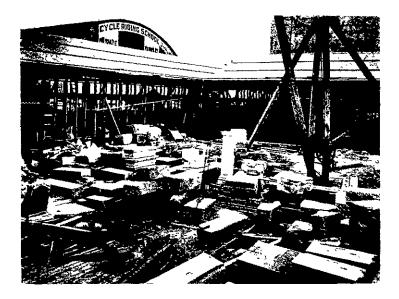
with staticase and lift. The Public Trust Office, thus approached, is a large room 90 feet by 31 feet, entirely free from columns. The contractors are Messrs J. and A. Wilson, of Wellington, and the amount of their contract is $\xi 40,000$ They will probably finish the work early next year. early next year.

Tonga Bay Granite.

Tonga Bay, which is situated between Motueka and Takaka, in Tasuan Bay, is distant about thirty nules from Nelson, and is likely to become



GRANITE QUARRY (TONGA BAY).



BUILDERS' YARD (STOUT STRELT)

stanchons built at regular intervals in the piers and walls, to which are rivetted horizontal steel members, also built into the walls, which in turn are rivetted to the ends of the main floor girders. The steel frame is thus calculated to prevent the separation of the walls of a building under the stress of carthquake shocks. The building has a frontage to Stout street of 162 feet, and to Lambton Quay of 59 feet, and is nounded off at the angle of intervation into

The base and ground floor is whole faced with the granite in large blocks of insticated masonly, with round arched windows, heavily keyed. The facing of the upper stories is granite chiefly, but with pressed brick work filling the spaces be-tween windows. To prevent the separation of the stone face and brick backing, precautions have been taken by careful jointure and "dowelling." The main entrance is by an arched doorway in the tower corner, leading to a cricular vestibule,

WHARF (TONGA BAY).



STONECUTTERS' SHED (STOUT STREET).

noted in the near tuture on account of the ex-tensive quaries now being opened up there for the purpose of getting granite as building stone. It has been a matter for regret that stone has been little used hitherto in New Zealand in our buildings. It might fairly be said that with the exception of a few of our public buildings, stone has been little used for building purposes, and even when it has been used it has often been imported from Austraha. It is to be hoped that