

struction of sea defence works, and the carrying of sewers out to sea. He had deposited hundreds of tons of cement in the sea, in that manner, with success. Mr. B. A. Miller, on the other hand, had experienced some difficulty owing to the displacement of the bags of cement by rough weather. In making a breakwater, he had dropped hundreds of tons of dry cement in bags into the sea from a hopper barge. He then went down in a diving dress and found that many of the bags lay a little out of place.

Fire Prevention Through Concrete.

The big fire at Campbelltown, New Brunswick, in July last wiped out property to the extent of nearly a million sterling. The U.S. Consul Hoskin, reporting on the rebuilding arrangements now in progress, says that "concrete walls and blocks will in many cases supplant the natural stone for building purposes, as it is noticeable everywhere that concrete withstood the fire test, while natural stone did not."

In commenting on the extensive use of concrete in Philadelphia, the *Public Ledger* of that city says Philadelphia "has adapted itself rapidly to this new type of construction, and as the building code demands certain fireproof features it has become cheaper to erect unburnable buildings than those which can be consumed by fire. Enormous quantities of cement are used in Philadelphia, and the city has a score of big companies which contract almost exclusively for the erection of reinforced buildings. The fact that steel for reinforcement purposes is readily obtained here at reasonable prices has perhaps much to do with its use. A number of big cement manufacturing plants are located in the vicinity of Philadelphia, where cement can be produced the year round at bedrock prices. Vast quantities are used in almost any building, for it has supplanted lime mortar, where it was formerly used. The day has come, in fact, when the builder uses less lumber and more cement. Many of the lumber yards have added supplies of cement to their stocks and make considerable profit from its sale. The day is coming, the dealers say, when cement will be used almost exclusively for the erection of houses, especially those for persons of moderate means."

The rapid increase in the use of concrete in certain connections was once viewed with alarm in the iron and steel trade, as superficially it appeared that concrete was tending to displace iron and steel along certain lines. These fears were dispelled when it became apparent that the availability of concrete was encouraging industrial operations, and by broadening such operations was indirectly encouraging the consumption of iron and steel along various lines, while directly the use of concrete created a demand for steel, as for reinforcing material and steel sheet piling.

From the *Iron Trade Review*.

NOTES.

AUCKLAND.

Mr. WALKER reports:—House in Wellington Street, 2 storeys, wood built, for Mrs. Ferguson; price, approx. £650. Bungalow, Aikin's Bush, Newmarket, eight rooms, wood built with asbestos sheeting, for Mr. Claude E. Hemus; contractor, Laver, Mt. Eden; price, approx. £890.

Mr. MORAN reports:—Residence at Remuera for Mr. A. H. Shroff, bungalow, wood built, 9 rooms, frontage to Ladies' Mile.

Messrs. WADE & WADE report:—Two wooden buildings at Remuera, both 10-roomed double-deckers. Epsom, wooden house, 10 rooms. Bakery at Mount Roskill in brick. Star Hotel at Newton. Existing wooden portion being removed, brick block is being erected. Hanna's new premises, Queen Street, nearing completion.

EDWARD BARTLEY reports:—New warehouse in Lorne Street for Mr. John Edson. Five storeyed warehouse of brick. Ground floor suit of dentist's rooms, frontage 70 x 50. Alterations to existing premises, which will give access to the new warehouse by a wide corridor from Queen Street through Lorne Street. Corridor and dentist's rooms to be tiled. Imposing elevator to Lorne Street. Two basements below Lorne Street level all partitions are fireproof. Alterations to old building stairway behind present one.

A. & T. Burt. Ltd., warehouse. Old premises pulled down and new ones to be erected divided into three blocks, offices and warehouse in the front; frontage Custom Street W. 50 x 165ft. Two rear blocks engineer shop, blacksmith and iron and brass foundry built brick. Price, £1439. Contractor, W. E. Hutchinson.

Presbyterian Orphanage, Remuera. From competitive plans. Now being erected. Frontage to Meadowbank. Accommodation for 30 children. Slate roof, all partitions fireproof, all on one floor, 2 dormitories 40 x 18 each, lavatory accommodation for each sex, dormitory surrounded by good spacious verandah and



GET THE ROOFING WITH
LASTING LIFE—

Genasco Ready Roofing

(Mineral and Smooth Surface)

Doesn't dry-out,
crack, pulverize, rot, nor
rust. Keeps its weather-
resisting qualities longer
than any other roofing, be-
cause it is made of

TRINIDAD LAKE ASPHALT

The Barber Asphalt Paving
Company make Genasco, and
they are the largest manufac-
turers and sellers of ready roof-
ing in the world. That proves

GENASCO MUST LAST

Any handy man can lay
Genasco. Cement and
nails in every roll. Min-
eral or smooth surface.
Ask us for samples.

AGENTS:
Sargood, Son & Ewen, Ltd.
WELLINGTON & AUCKLAND

Hudson's Fireproof Wall

Company Limited

QUIN STREET, WELLINGTON

Phone 1106

Fireproof Walls, very light, can be erected on Wood or Concrete Floor.

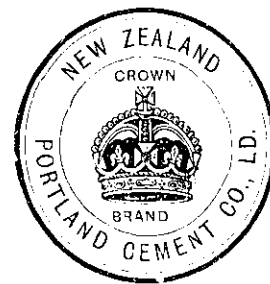
Layers of Arkilite, specially suitable for Halls, Steps, and Lavatories.

Layers of Limmer Asphalte for Damp Courses Flat Roofs, Roadways, etc.

Sole Agents for New Zealand for H. B. Bonding and Interlocking Steel Lathing.

Sole Manufacturers of Johnson's Steel Wire Lattice for Concrete Reinforcement.

CROWN BRAND



Portland Cement

and

Hydraulic Lime

Specified by Leading Architects

Our Cement is used exclusively
on

WAINUI DAM, WELLINGTON
MIRAMAR SEA-WALL
WELLINGTON ABATTOIRS
CHRISTCHURCH GASOMETER
AUCKLAND TOWN HALL
FREEMAN'S BAY SEWER
HOBSON BAY SEWER

Contracts for Sole Supplies of Cement to the Public Works Department in Auckland, Gisborne, Westport, Nelson, and Canterbury held by

CROWN BRAND

Used by AUCKLAND CITY COUNCIL
AUCKLAND HARBOUR BOARD
FERRO-CONCRETE CO., LTD.
WELLINGTON CORPORATION
And Others

Office: 19 Shortland St. Auckland

AGENTS:

Wellington and Canterbury - F. HOLMES
Napier - - - CRANBY & CO. LD.
Gisborne - - - EVANS, NIELD & CO. LD.

And throughout the Dominion

N.Z. Portland Cement Company Limited