

smooth surface, the colour sprayer is moved over the surface of the tile, and by one quick movement an even layer of dry colour mixture is spread over the surface. This is rubbed into the surface by means of a shaped bar, which at the same time forms a kind of glaze on the tile. The man then releases the tile by pressing on the foot lever.

The tile resting on the pallet is then placed on the rack to harden. The process may seem rather complicated, but it is not in reality, and labourers can do this work to perfection, with ordinary care.

The "Colour Mixture" consists of ten parts cement with one part of special colour powder (dry) which can be bought in any shade, but should preferably have waterproofing qualities. Tiles made by this method retain their colour and do not fade, but improve with age.

To mix colour, (it is a dry powder) with cement by hand perfectly, is next to impossible. It is possible, but three men would not be able to mix sufficient for one tile-maker to use daily, while in a colour mixer one man in an hour can mix a quantity sufficient to keep a tile maker going for a week. This type of mill, has a number of turned steel rollers in the drum.

Two days after the tiles have been made they can be taken off the pallets and stacked. They should not be sent out or placed on the roof before they are six weeks old. This is important.

The tiles are fourteen and a half by nine inches (thickness three eighths of an inch), and one hundred and forty go to the square ten feet by ten feet. The weight is about seven hundredweight per square.

To make one thousand concrete roofing tiles requires one and a half cubic yards fresh water clean sharp sand, eleven and a half hundredweight cement, and quarter of a hundredweight special colouring.

We are indebted to the "Crown" Magazine for the above particulars.

## New Tasmanian Industries

It is officially stated that contracts have been let and are now in progress for the erection of the various buildings required for the carbide factory of the Hydro-Electric Power and Metallurgical Co. Ltd., Tasmania. The company has also accepted tenders for the principal portion of the plant. With the exception of the transformers (which have to be imported), the whole of the plant is being made in Australia. Provided that there is no unexpected delay in the delivery of any of the machinery, the carbide works should be completed and ready for the application of the electric power supplied by the State hydro-electric plant at the end of nine or ten months. The works are being erected on the company's land at North-West Bay, about 14 miles south of Hobart. It is the intention of the company to push on with the carbide works as quickly as possible, and, thereafter, with the first unit of the electrolytic zinc works (Gillies patent).

## TRUTH IN PHOTOGRAPHY

# Bartlett Photographs

Mr. W. H. Bartlett never turns out faked or stodgy photographs, or mere hard charts of the obvious.

Every portrait from the **Bartlett Studio** is a faithful and familiar expression of the originals; they are **True Portraits** of people as they are; every picture portrays a phase of **Actual Character**.

Only one address in Auckland      The Wellington Studio at  
**QUEEN ST**      No. 10 WILLIS ST.  
*(near Town Hall)*

# PEARLINE

Is a specially prepared WHITE JAPAN for high-class exterior or interior Decorative Work, and for Ship and Yacht Topsides and Cabin Work. It flows freely, covers a considerable area before setting, dries with a perfectly smooth, hard, and brilliantly glossy surface; it is extremely durable, and neither cracks nor discolours like ordinary enamel. Pearline can also be supplied in any Tint required.

Pearline is a first-class Enamel for Motor Cars.

## Pearline Flat for Interior Work.

Where a brilliant surface is not desirable, an exquisite egg-shell gloss finish may be obtained by the use of Pearline FLAT, an article of equal durability and similar in all other respects to ordinary Pearline.

Extract from letter received re "**Pearline**" from a New Zealand Yachtsman:

"I must not forget to tell you that Pearline makes a capital job. Everybody admires it. I know of several boat owners who are using it now after seeing mine. The most surprising thing is what a lot it covers. My boat is 33 ft. long, with high top sides. I went round the boat with the Pearline once, also did a lot inside, and of the half-gallon tin I still have a good half left yet."

MANUFACTURED BY

## Robt. Ingham Clark & Co., Ltd.

LONDON

OBTAINABLE FROM

**R. & E. TINGEY & CO., LTD.** - Wellington  
**PHILLIPS & IMPEY, LTD.** - Auckland  
**JAGGER & HARVEY** - Auckland

Sole N.Z. Travelling Representatives:

## E. A. CHRISTIE & CO.

86 JERVOIS QUAY, WELLINGTON

Stocks held by all leading Oil and Colour Warehouses and Merchants.



the continuity of Advertising is the Good of it: in the continuity of Advertising is the Strength of it.

To break the Advertising connection is to break Trade connection