

A new building has just been completed in St. Hill street, Wanganui, for Messrs. Horsley & Co., grain, wood and coal merchants.

A new building for the Wanganui Meat Freezing Co., to be used as a butcher's shop, is nearing completion in Ridgway street, also a store adjoining these premises and belonging to Mr. C. Burnett, solicitor, Wanganui. When finished these buildings will be a welcome addition to Ridgway street, taking the place of two very old buildings recently demolished. Contractor, G. Bengé.

Mr. W. S. Marshall's fine residence near Rata, in the Rangitikei district, built in the modernised Elizabethan style is nearly ready for occupation. It contains a hall 35 x 19 ft. with a staircase 5 ft. wide, large drawing-rooms, school room, smoking-room, billiard room, ten bed rooms, two bath rooms and all the numerous domestic apartments necessary for a large country house. Architect, C. Tilleard Natusch; contractor, James Mc Chesney.

A twelve-roomed residence is about to be erected for Mr. Tudor Baker at Ashley Clinton. Architect, C. Tilleard Natusch; contractors, Coles Bros., Ongaonga. The architect has also plans in hand for a fourteen-roomed residence for Mr. O. H. Porritt, Palmerston North.

A two-story brick building to receive visitors at the Christchurch Exhibition is in course of erection. This building is to be completed by the 1st November, a period of eight weeks from commencement of operations. This will be an exceptionally speedy piece of work in the building line. Contractor, H. E. White.

Two-story brick and cement additions to the British hotel, Lyttelton, are in course of erection. The contract price is approximately £1,500.

The following notes concerning the new premises for Messrs. W. H. Price & Sons, brass-founders Manchester street, Christchurch, have reached us from T. W. Bowring, the contractor:—

Two showrooms, each 38' 10" x 22' 8" = 1760-5-4 sq. ft.; Machine shop, 63' x 28' 6" = 1795-6-0 sq. ft.; Moulding-shop, 39' 3" x 28' 6" = 555-4-0 sq. ft.; Workshop, 29' x 17' 7" = 509-11-0 sq. ft.; Store, 47' x 38' = 1786-0-0 sq. ft.; Corn store, 7' 6" x 6' = 45-0-0 sq. ft.; total, 6452-2-4 floor space; with height of 14' in the clear.

Floors are of kauri on V.D.L. joist, that of machine shop being in two thicknesses, the first being 9 x 1½ hard-heart kauri laid diagonally ½" apart and 4 x 1 square, jointed kauri laid straight on top, thus producing a strong floor, and any of the top boards can be replaced without damage to the next board (not being T. & G.). The building is of brick on a concrete foundation, with cement front to Manchester street. All lintels are of concrete with 3 railway iron in each. The walls of the machine shop, moulding-shop, workshop, and store are whitewashed, this being done by one of Messrs. Price & Sons' patent spraying pumps at less cost than can be done by hand. The building is well lighted, there being in addition to the 18 windows equalling 374 sq. ft., 31 skylights 6' x 4' 6" equalling 837 sq. ft., to say nothing of the show windows which run right across the building. The draught for the furnaces is supplied by a brick stack 40 ft. high. The head ventilation is procured by ventilating ridge capping running the full length of the machine and moulding shops, and this building is two stories in front.

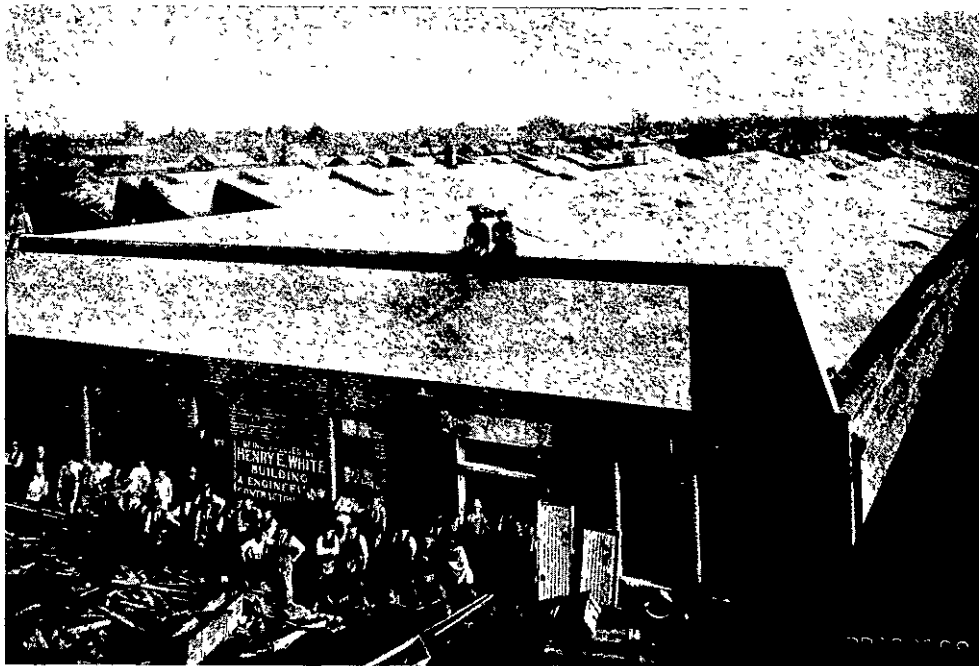
The high-pressure water-supply tower, illustrated herewith, was erected by the City Council at Sydenham to supply the Borough of Sydenham with water for house, street, and fire use. The contract was carried out by Messrs. Lucas Bros., of Kilmore street, Christchurch (who make a speciality of this class of work), under the supervision of the designer, Mr. A. Dudley Dobson, C.E., City Surveyor. The height from the ground to top of tank is 125 feet. Seventy-eight tons of steel have been used in the structure. A ladder runs up to the platform from which a magnificent outlook over surrounding district may be obtained. The top tank has a capacity of 40,000 galls., while the concrete tank below holds 56,000 galls. There are three pumps each capable of running 250 galls. per minute, and two of these pumps will deliver the same quantity under a pressure of 150 lbs. to the square inch. A 12-inch wrought iron pipe runs down the centre of tower and feeds the mains. There are 12 legs, each consisting of 4 steel angle irons, 5 in x 5½ in, riveted every 5 ft. to form a solid lump, and with every 20 ft. there are horizontal brace and adjustable tie rods on the principle of the ordinary bicycle, combining lightness with great strength.

The Farmers' Saleyards Co.'s New Building.

The Farmers' Saleyards Co., Ltd. has been floated in Christchurch for the purpose of establishing a large central market which is intended to take the place of the present scattered markets. It is proposed to throw the new market open to all auctioneers on somewhat similar lines to the Addington market, and to let space as required by the different salesmen for special sales, etc.

The ownership of this market is in the hands

of ladies attending the market. There is a splendid supply of water from a well 327 ft. deep flowing 14 ft. above the surface, which will provide a safeguard against fire and will prove of the greatest assistance in keeping the premises thoroughly clean and sanitary. Large stable accommodation will be provided near by for farmers and others. It is calculated the market building will be ready for occupation this month, in time for the extra business created by the Exhibition, and when in full operation should be of great benefit to the citizens, an ornament and improvement to the city, and an asset of continually increasing value and convenience to producers and shareholders.



MESSRS. WHITCOMBE AND TOMBS' NEW BOX FACTORY, CHRISTCHURCH.

[Contractor: Henry E. White.]

of over 1,400 interested people, both producers and consumers, and such ownership carries with it the right to a voice in fixing rates of commission and entry fees, and is likely to result in the adoption of the best methods of conducting sales of stock, produce, etc.

The site is the best in Christchurch for the purpose, and the market building which covers over half an acre, fronts St. Asaph street, with a right-of-way 20 ft. wide to Tuam street, thus being of easy access to the southern and western farmers on their way to the city, whilst the northern farmers reach it easily via Montreal street and while not harassed by tram traffic are within two minutes' walk of the tram on Oxford terrace. Special consideration has been given to the require-

The building is of brick on a concrete foundation, with damp-course between, and is roofed with iron and glass; 300 loads of clay were used on the ground floor. It has about 15,000 ft. of floor space, and about 5,500 ft. of loft space with fanlights in the top span. There are shops and offices in front, facing St. Asaph street, with meeting hall and commercial room above. About 4,400 ft. of the floor space is concreted, and contains movable pens for pigs, etc., while the portion set apart for fruit and produce is clay-dressed with boiling tar and grit.

The supporting posts are of jarrah, and the rest of the timber is heart of red pine. The jarrah posts consist of one piece 12 x 6 one way, with two pieces each 6 x 6 bolted on to each side giving great strength to the uprights. The posts rest on concrete blocks with a damp-course of asphalt between.

Other features of the building are the roof drains, which are carried across the beams and along the rafters above the lofts descending to the ground drains alongside the side walls. This idea will have the effect of keeping the intermediate space free from moisture and dampness in wet weather. A feature of the seating accommodation, which will slope up 12 or 14 ft., is that persons can leave the premises while horse sales are in progress, without having to go through the saleyards consequently they will avoid the danger of being run over. The saleyards, by the way, will be fully equipped with stalls, open yards, and loose boxes, and will be the most up-to-date market in New Zealand. The structure will also contain commodious lavatories for both sexes. Provision has been made for possible future requirements in the way of extending the accommodation of the markets.

The directors purpose dividing the revenue—one portion to be applied to payment of dividends on capital, and the other portion to rebates on commissions. The promoter and chairman of directors is Mr. J. Brake, architects England Bros., contractors J. & R. Campbell, contractors for the brick work, Robinson & Sons, signwriters, Martin & Price.

The illustration on page 26 of the bow-string roof truss was supplied by Messrs. Andersons, Ltd., the makers. It has a span of 42 ft., is 12 ft. 6 in. high in the centre, and weighs about 25 cwt.

Mr. Brake was in Wellington on the 18th ult. for the purpose of interviewing the Premier, who promised to perform the opening ceremony during the first week in November.



HIGH-PRESSURE WATER-SUPPLY TOWER ERECTED BY LUCAS BROS. CHRISTCHURCH, FOR THE BOROUGH OF SYDENHAM.