

half-tones, from three and a-half tones below the key to a full tone above, is a novelty to most people in Christchurch. Its use in a concert-room can readily be imagined. The firm also exhibits pipe and reed organs from various makers, including the "American," of Mason and Hamlin; the New England Organ Company, L. Baur, and Peloubet and Co. Cornets, by Antoine Courtois, and Rivière and Hawkes; military band instruments, by Distin; clarionets, by Albert; bassoons and flutes, by Metzler and Co.; and mandolines, guitars, zitherns, &c., by various makers. In addition to these, they show a large quantity of accessories, such as batons, crescents, music stools, &c.

The Southern Cross Petroleum Company make an interesting exhibit of the natural products of their oil field as well as paraffin, gasoline, benzoline, kerosene, and mineral turpentine, all tastefully arranged.

The Waimate County Council show a very good collection of building stone from the Waihaorunga, Waimate, Waikakahi, Waihoa Downs, and Castle Hill, estates.

Mr. William Wilson, of Christchurch, contributes white rock stone, and altered coal from the Selwyn Gorge, brown coal from the Whitecliffs mine, anthracite coal from the Rockwood Coal Company's mine, and pottery clay from the Whitecliffs mine.

Mr. G. Munro, of Dunedin, has sent a very handsome elegantly finished font in polished Aberdeen granite.

Mr. W. F. Hubbard has a very interesting set of drawings illustrating his plan for making hard water soft. The principle is good, and the plan is inexpensive so as to be easily within the reach of most householders, and is particularly suitable for country houses.

Messrs. P. and J. Bartholomew, of Fielding (near Wellington), show some magnificent totara planks, four and five feet wide. It is not generally known that Messrs. Brogden and Sons, after having the various bush in the Colony examined and reported on by an expert, selected the bush in this neighbourhood in which to erect sawmills.

Mr. G. Rutherford, jun., has sent some very fair specimens of coal from the Kowai Pass.

The Nightcaps Coal Company have some samples of their coal which looks excellent, and are specially noticed as being from the top seam.

Messrs. A. Oldham and Son, of Auckland, exhibit a very excellent specimen of matting made from New Zealand flax. It seems in every way equal to the well-known cocoa fibre matting, and promises to be more durable.

Dr. Hacon, of the Christchurch Hospital, has a case that has a peculiar interest of its own. It shows calf lymph in bottles, and scabs from the arms of various children who have been inoculated with it.

Mr. A. P. Osborn, of Christchurch, has a frame containing some wonderful specimens of calligraphy, equal to copper-plate. He also shows a collection of engraved monograms of his own designing, very ornamental and ingenious.

Mr. Roberts, of Palmerston North (near Wellington), has two cases containing specimens of his naval, military, Court dress, and fancy embroidery, in bullion and colours. It is certainly unique, and will surprise most of those who see it. There is evidently no need for our volunteer officers to send home for the insignia of their rank.

Mr. J. Smith, of Sydenham, exhibits Morgan's pure oils, done up very tastefully in bottles and jars.

Messrs. Oakden and Begg, of Dunedin, show several architectural drawings, and pen and ink sketches, which possess a very high degree of excellence.

Messrs. Hamilton and Chapman, of Dunedin, send a case containing gold-bearing quartz, and various ores, including antimony, copper, and gelaena, besides some alluvial gold wash.

Mr. P. Freeman, of Timaru, contributes a collection of coins, some of them being old and valuable.

Mr. W. R. Frost, of Dunedin, has a very fair collection of well executed photographs of various sizes, including *cartes de visite*, cabinet, and life-size portraits.

Professor Bickerton's collection of scientific apparatus does not receive so much attention as it deserves. It is exhibited to show at how small a cost a student may pursue his researches, the small and cheap appliances displayed being sufficient for the prosecution of six hundred different experiments.

Mr. J. Glanville, of Christchurch, has a very fine collection of patterns of Scott, Cuthbertson & Co.'s wall papers, the designs of which are chaste, the colours good, and the quality excellent.

Mr. W. Gimblett, of Christchurch, contributes a fern case containing a very good collection of ferns, many of them of uncommon varieties, and all in a fine healthy condition.

Mr. Kessell's non-poisonous "rat exterminator," which is exhibited in a case, attracted no little attention.

Mr. Proctor, of Christchurch, sends a very good collection of optical instruments, lenses, and glasses of various power, from those suitable for short-sighted persons, to large magnifying lenses of great strength.

Messrs. Royse, Stead & Co., of Christchurch, have a case containing specimens of European flax and wheat, grown in Hawkes Bay.

Mr. A. Noble, of Christchurch, shows in a small case several medical electric batteries, all manufactured in Christchurch.

Mr. Jubal Fleming occupies a bay where he makes a very capital display of tobacco and cigarettes. Visitors can see for themselves how Mr. Fleming's cigarettes are made, as a skilled workman is always seated at the counter, rolling them up with marvellous skill and speed. Among his exhibits is a T cottage made entirely of cigarettes, the roof being light tobacco laid on to represent a thatch.

Messrs. A. Silburn & Co., of Amberley, have a very imposing display of New Zealand flax, showing it in large quantities in all stages of preparation, and done up in bales ready for exportation. The dressed flax is very excellent and clean. The exhibit is set off by pots of growing ferns, which give the space a very ornamental appearance. They also exhibit flax pulp useful for many purposes, and in a convenient form for export.

Messrs. Manning & Co., brewers, of Christchurch, have a very neatly arranged bay containing casks and bottles of their bulk and bottled beers. The firm also exhibit malt.

Messrs. Cuddon & Co., of Fendalton, make a good exhibit of barley, of different kinds of the varieties of beer which they brew, and of ale and porter in bottle.

The Crown Brewery Company, of Christchurch, have a very handsome stand on which they show hogsheads of their beer and also bottled ales.