

- 4 ROBERTSON, J.
Specimens of *Phormium tenax*, or New Zealand flax.
1 Coarsest flax. 2 Owee best cordage flax. 3 Dressed Owee flax. 4 Tihore. 5 Dressed Tihore. 6 Flax dressed by Europeans. 7 Flax in the leaf.
Specimens of rope and wool-lashing.
Coil 4-inch warp, tarred. Shark line. Hand lead-line. Coil 4-inch tarred shroud-rope. Coil 3-inch tarred rope. Coil 2½-inch rope, tarred. Coil rattlin, tarred, 1½-inch. Coil wool-lashing. Fishing line, Harbuka. Coils white rope.
[New Zealand flax is obtained from the leaves of the plant botanically termed *Phormium tenax*. It is indigenous, and flourishes in marshy places. There are several varieties; the coarse is not much esteemed in this country, but the finer kinds are of great beauty and value for textile purposes.—R. E.]
- 5 McVAY, J.
Specimens of leather and skins.
Kip leather. Crop leather. Half-dozen sheep skins. One good sheep skin (not tanned).
Specimens of barks: Towai, tanning bark. Tanekaha, tanning bark. Hinau, black dyeing bark.
- 6 SMITH, J. A.
Specimen of soap, manufactured in Auckland.
- 7 ST. JOHN'S COLLEGE, *New Zealand*.
1 Specimens of cloth and hat. Manufactured by a native lad, aged 17 years, from wool grown, cleansed, carded, spun, and woven, at St. John's College, and dyed with native woods.
2 Hat manufactured by Nicholas Cod, pensioner, Howick, New Zealand.
Specimens of basket work:—
1 Basket, manufactured of Mango Mange, which is esteemed by the natives for its durability. Their coil baskets, made of this, last for a very long period.
2, 3 Baskets made of supple-jack, obtainable in the New Zealand forests from the eighth of an inch to a foot in diameter. By J. Mcagher, pensioner, Howick.
- 8 HARGREAVES, J.
Specimen of lignite, obtained from the banks of the Tanaki, in the vicinity of Auckland.
- 9 GREENWOOD, W.
Specimens of coal, showing the strata of the exhibitor's coal mine at Matakana, 15 miles north from Auckland.
- 10 CONNELL, W. (*as Secretary of the Auckland and Waikato Coal Company.*)
Specimens of Waikato coal; distance from Auckland 35 miles, and 10 miles from Manukau Harbour.
- 11 TAYLOR, J.
Specimens of the copper series from the Kawau Company's mine, Kawau.
1 Killas. 2 Gossan. 3 Copper ore, from the upper part of the Lode. 4 Manganese, found near the Copper Lode. 5 General character of the copper ore. 6 Copper regulus, No. 2. 7 Copper regulus, best, No. 1.
[It should be explained that the *Killas* is the clay slate rock in which these minerals occur. *Gossan* is a peroxide of iron, derived in most cases from the decomposition of the double sulphuret of iron and copper, and ordinarily found upon the "backs" of lodes. In many cases the gossans have been found to contain considerable quantities of silver.—R. H.]
- 12 REEVE, J.
Specimens of copper ore from Messrs. Whitaker and Heale's mine, Kawau.
1 Yellow ore. 2 Blue ore.
[The yellow ore is copper pyrites, that is, a sulphuret
- of iron combined with sulphuret of copper, and the term blue ore is sometimes applied to the true sulphuret of copper, called also grey ore, and to the blue carbonate of copper.—R. H.]
- 13 LEWIS, T.
Specimens of copper ore.
Specimens from Great Barrier Island Mine, 35 miles N.N.E. of Auckland.
- 14 SMITH, J. A.
Two specimens from Brodie's mine, Mongonui, 100 miles to the northward of Auckland.
Specimen of iron sand, obtained in large quantities in Cooper's Bay, Auckland.
Specimen of sulphur, from White Island, Bay of Plenty, on the east coast of the Northern Island, New Zealand.
- 15 MEURANT, E.
Specimen of pumice stone, from the banks of the river Waikato.
- 16 BROWN, W.
Specimen of Kauri gum, obtainable in any quantity in the northern part of New Zealand, ranging from 20 miles south of Auckland to the North Cape.
- 17 GREENWOOD, W.
Specimens of building stone:—
Scoria from the vicinity of Auckland, obtainable in any quantity. Stone from Matakana, 15 miles from Auckland: brought to Auckland in blocks of large size, and used in the Ordnance buildings.
- 18 BROWN, W.
Specimen of limestone, from Wangarei, 60 miles to the northward of Auckland.
- 19 SMITH, J. A.
Specimens of Roman cement stone, found in large quantities on the banks of the Tamaki.
Specimen of sharks' fins, which can be obtained in large quantities, and are suited for the China market for a native basket or kit.
Specimens of flax seed and orchilla weed:—
1 Flax seed (*Phormium tenax*) for oil.
2 Orchilla weed, collected in the vicinity of Auckland.
- 20 BALNEAVIS, Lieut. H. C., H.M. 58th Regt.
Specimen of a New Zealand war pah, on a scale of half an inch to six feet.
- 21 JOHNSON, J.
Specimens of New Zealand furniture woods:—
1 Kauri (*Dammara Australis*). 2 Rimu (*Dacrydium cupressinum*). 3 Hakehake. 4 Hakerautangi. 5 Matai. 6 Kakikatea (*Dacrydium excelsum*). 7 Rewa rewa (*Knightsia excelsa*). 8 Pohutukawa. 9 Wairangi pirau (or New Zealand sandal wood). 10 Manuka (tea tree). 11 Totara (*Podocarpus totara*). 12 Hakerautangi. 13 Kohe. 14 Hinau. 15 Tanekaha (*Phyllocladus trichomanoides*).
- 22 THE WAIKATO COAL COMMITTEE, *Auckland*.
Specimen of coal, weighing 2 cwt.
- 23 PURCHAS, Rev. A.
Specimens of iron ore and limestone.
1 Iron ore, from Manukau.
2 Limestone, from Kawhia.
- 24 LOW & MOTION.
Specimen of native grown maize.
Specimen of Maori wheat and flour.