

NEW ZEALAND COURT



International Exhibition

1879

SYDNEY

OFFICIAL CATALOGUE



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NEW ZEALAND

COURT



International Exhibition

SYDNEY—1879.

OFFICIAL CATALOGUE

OF

EXHIBITS

SYDNEY :

PRINTED FOR THE NEW ZEALAND COMMISSIONERS

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NEW YORK

LOCAL COMMITTEE
COURT

OFFICIAL CATALOGUE

OF THE

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STATISTICS.

1878.

AREA—	Square Miles.	Acres.
North Island	44,000 or	28,000,000
South Island	55,000 „	36,000,000
Stewart Island	1,000 „	640,000
Total ...	100,000	64,000,000

VITAL.—Total estimated population (exclusive of Maoris) 31st December, 1878		432,519
Population as per census 3rd March, 1878		414,412
Composed of the following nationalities :—		
English and Welsh	108,195	
Scotch	47,949	
Irish	43,758	
Australian	16,091	
New Zealand born (white)... ..	174,126	
Other British Possessions	4,840	
Foreign	18,505	
Uncertain	9,401	
Chinese		4,442
Maori Population		42,819
Marriage Rate	7.97 to 1000 of Population	
Birth Rate	41.96 „ „	
Death Rate	10.96 „ „	

TRADE—	Tons.
Total Shipping, Inwards, 926 Vessels ...	456,490
„ „ Outwards, 886 „ ...	428,493
Registered Vessels, 541 Vessels „ ...	46,965
Imports and Exports.	
Total Value of Trade	£14,771,188
Equal to £34 17s. 7½d. per head of population	
Value of Gold exported	1,240,079
„ Wool	3,292,807
„ Agricultural Produce	
„ Grain	£506,630
„ Butter, Cheese	21,479
Tallow	528,109
	178,502

GOLD—

Gold Returns from the different gold fields :—

Auckland	...	...	...	55,982 ozs., value	£220,454
Marlborough	...	...	...	404 „ „	1,617
Nelson	...	...	...	4,463 „ „	17,223
West Coast	...	...	...	144,634 „ „	578,508
Otago	...	...	...	105,003 „ „	422,277

RAILWAYS—

£

Total Length of Lines open for Traffic, 30th June, 1879	...	...	...	1089 miles	
Total under construction...	...	...	...	142 „	
Expended in Construction of Railways to 31st December, 1877	...	...	...	...	6,765,861
Railway working receipts for year ending 31st December, 1878	...	...	...	...	670,187
Railway working expenditure for year ending 31st December, 1878	...	...	...	...	458,208

TELEGRAPH—

Total Miles of line open...	...	...	...	3,434	
„ „ wire	...	...	...	8,035	

FINANCE—

£

Revenue (1877) Ordinary	...	...	...	2,340,841	
„ Territorial	...	...	...	1,575,182	
<hr/>					3,916,023
Savings Banks.					
Total amount standing at credit of Depositors in Post Office Savings Banks 31st December					
„	...	...	...	£819,071	
Ditto other Savings Banks...	...	...	...	224,133	
<hr/>					1,043,204

LAND—Cultivation—

Total extent of Land under all kinds of crop, and of Land Broken up but not under crop acres	...	...	...	2,317,264	
Land in sown grass not previously ploughed acres	...	...	...	1,501,650	Acres
<hr/>					3,818,914

PRODUCTION—

Average yield of wheat per acre 22.94 bushels	...	...	...	...
„ „ Otago „ 28.18 „	...	...	...	...
„ „ Canterbury 20.83 „	...	...	...	...
„ „ Wellington 24.47 „	...	...	...	...
Average yield of oats per acre 30.11 „	...	...	...	...
„ „ barley „ 24.76 „	...	...	...	...
„ „ potatoes „ 4.98 tons	...	...	...	...
<hr/>					
Total number of Sheep	...	...	...	13,069,338	
„ „ Cattle	...	...	...	578,430	
„ „ Horses	...	...	...	137,768	

NAMES AND POPULATION OF PRINCIPAL CITIES, INCLUDING SUBURBS—

Auckland ...	24,772	Nelson ...	6,604	Dunedin ...	35,026
New Plymouth	2,680	Hokitika ...	3,202	Oamaru ...	4,927
Wellington	18,953	Greymouth ...	2,921	Timaru ...	3,389
Napier ...	5,415	Christchurch	26,653	Invercargill	3,761

MANUFACTURES—

Total number of Establishments ...	...	942	£
Number of hands employed, male ...	...	11,141	
" " " female ...	...	469	
		11,610	
Value of Lands and Buildings ...	...	...	1,359,118
Value of Machinery and Plant...	...	...	1,081,439

PUBLIC EDUCATION—

University Education ...	...	...	£
New Zealand University	...	...	1,540
Colleges—			
Otago University ..	...	...	6,992
Canterbury College ...	...	...	5,172
Secondary Education—			
Twelve Superior Schools	...	...	33,000
Primary Education—			
747 Common Schools ...	...	...	302,614
Total Expenditure for 1878	...	...	349,318

VALUE OF PRINCIPAL ARTICLES OF EXPORT. DECENNIAL TABLE.

Year.	Wool.	Gold.	Produce.	Tallow.	Kauri Gum.	Timber.
	£	£	£	£	£	£
1869	1,371,230	2,341,592	142,647	13,935	111,307	22,338
1870	1,703,944	2,163,910	184,513	75,583	175,074	18,509
1871	1,606,144	2,788,368	206,333	67,208	167,958	21,079
1872	2,537,919	1,730,992	371,887	68,788	154,167	26,718
1873	2,702,471	1,987,425	328,875	67,118	85,116	44,039
1874	2,834,695	1,505,331	432,924	65,366	79,986	44,450
1875	3,398,155	1,407,770	262,942	55,865	138,523	40,046
1876	3,395,816	1,268,599	399,374	109,896	109,234	49,847
1877	3,658,938	1,476,312	433,741	156,552	118,348	50,901
1878	3,292,807*	1,240,079	528,109	178,502		

* Apparent decrease of production is due to the increased manufacture of woollen goods in the colony, and decreased price in the European markets.

CROWN LANDS OF THE COLONY.

	Open for selection 30th June, 1878.	Area Remaining at disposal of Land Boards exclusive of Native Lands.
North Island.		
	Acres.	Acres.
Auckland	36,434	2,178,120
Hawke's Bay	36,800	296,246
Taranaki	13,872	1,362,106
Wellington	25,840	1,131,668
	112,946	4,968,130
	Total 5,081,076	
South Island.		
Nelson	5,848,294	
Marlborough	1,096,116	1,057,847
Canterbury	5,569,010	
Westland	244,264	2,661,970
Otago	219,765	
Southland	1,802,088	11,188,890
	14,779,537	14,908,707
	Total 29,788,244	

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Omeara, M. - - -	1252	Roscoe, Miss A. - - -	680
O'Neill, Chas., C.E. - - -	73	Rose, J. - - -	578
Otago Museum - - -	1047	Ross, A. Y. - - -	160
Otago Paper Co. - - -	393	Royce, Stead and Co. (Hawke's Bay) - - -	1111
Otago Slate Co. - - -	60	Royce, Stead & Co. (Dunedin) - - -	1112, 1215
		Runciman, J. - - -	1113, 1216
		Russell, Capt. W. R. - - -	1114, 1186

	No. in Catalogue		No. in Catalogue
Saeffer, B.	1163	Union Steam Shipping Co. of New Zealand	925
Salmon, Kate	247		
Sanderson, J.	536		
Sandstein, M.	232, 374		
Sargood, Son and Ewen	356		
Savage, W.	703	Vile, J.	1118, 1217
Scott Bros.	251, 441	Vincent and Co.	1290
Scott, S.	1243	Vivian, J. M.	110
Seuffert, A.	221		
Shag Point Coal Co.	46		
Sharp and Co., J.	1287		
Sheedy, E.	938		
Slesinger, S.	1421	Wade, J.	958
Smith, J.	1253	Waite, J. E.	828
Smith, J. T. and Co.	404	Walker, J., C.E.	1166, 1410
Smith, R. F.	640	Walton, H.	984
Snowdon, T. H.	451	Walton Park Coal Co.	47
Speight and Co.	1288	Warburton, P. E.	939, 1002
Spence, Mrs. C.	1447	Ward and Co.	1119, 1291
Spreat, W. W. J.	585	Warner, T.	683
Stansell, J. B.	20, 62, 88	Warren, W.	21
Stewart and Co.	272	Waters, E.	1244
Stewart, P.	1448	Watkins, K.	642, 684
Strachan, Wm.	1289	Watkins, W. M. N.	643
Strang, D.	1164	Wendel, J.	1255
Sturtevant, E.	681	West, G. R.	560
Surman and Co.	1115	Westport Colliery Co.	48
Surveyor General of New Zealand	722, 788	Wetzel, J.	419, 940
Sydenham Borough Council	515	White, W.	1120
		White Island Sulphur Co.	22, 103
		Whitson and Son, R.	1292
		Wigley, Hon. T. H.	1121
		Williams and Son	376, 1293
Tait, Jas.	1430	Williams, C. J.	23
Taite, J.	756	Williams, Capt. W. R.	49
Tapper, R. and A.	1029	Williams, Ed.	618
Taylor, J. J.	757	Willis, A. D.	685
Taylor, Mrs. J. M.	1254	Wilson and Co., J.	1294
Telfer, J. T.	375	Wilson, J.	63
Thames Produce Co.	1052	Wilson, Miss A.	364
Thomas, J. A.	102	Wilson, Sir J. C., C.B.	644
Thomson and Co.	604	Wilson, W.	50
Thomson, J.	1450	Wise and Co., H.	406, 730
Thomson, J. T., F.R.G.S.	641	Witty, J. W.	1167
Thomson, Thos.	265, 537, 550	Wood, W. D.	1218
Tizard, Mrs. E.	682, 1230, 1449	Worthington, J. S.	24
Tombs and Davies	405	Wrigg, H. C. W.	704
Tombs, Wm.	1117	Wrigglesworth and Binns	759
Townsend, J.	1116		
Travers, W. T. L., F.L.S.	758		
Trent Brothers	1165		
Tyer, A.	983	Zouch, W. H.	507

ERRATA AND OMISSIONS.

CLASS		No. OF EXHIBIT		SHOULD READ AS FOLLOWS : —
121	...	132	...	£4,867,998 instead of £9,867,998
251	...	353	...	Henry, Mrs. Lucien
305	...	515	...	Sydenham Borough Council, <i>Canterbury</i>
406	...	644	...	Wilson, Sir J. C., &c., <i>Christchurch</i>
407	...	683	...	Warner, T., <i>Parnell, Auckland</i>
413	...	721	...	Proprietors of "Lyttelton Times," <i>Christchurch</i>
623	...	1073	...	Arkell, John, <i>Blenheim</i>
626	...	1162	...	Noonan, M. J., <i>Dunedin</i>

NEW ZEALAND.

DEPARTMENT I.

Mining, Metallurgy, and their products.

GROUP — MINERALS, ORES, BUILDING STONES, AND MINING PRODUCTS.

Class 100.

1—AUCKLAND COMMITTEE.

Tailings from Mines at the Thames, for Testing—

- | | | |
|-----|------------------------------------|-------------------------------|
| 1. | From Moanatari Gold Mining Company | |
| 2. | „ „ „ | „ |
| 3. | „ „ „ | „ |
| 4. | „ Alburina | „ |
| 5. | „ Waiotahi | „ |
| 6. | „ „ „ | „ |
| 7. | „ Kurunui Hill United „ | „ |
| 8. | „ Caledonian | (quartz yielded 1 oz. to ton) |
| 9. | „ Golden Calf | „ |
| 10. | „ Premier | „ |

Three Specimens of Auriferous Quartz from the Thames—

- | | | |
|----|--|---|
| 1. | From Moanatari Gold Mining Company at Thames | |
| 2. | „ Caledonian | „ |
| 3. | „ Long Drive | „ |

2—BANK OF NEW ZEALAND.

Specimens from the New Zealand Gold Fields—

1—3. Auriferous Quartz from the Thames Gold Fields

4—10. Models of Ingots of Gold and Silver as exported

11—54. Samples of Alluvial Gold from Otago Gold Fields

3—CHAPMAN, JOHN ALWENT, *Dunedin—*

Quartz Specimens from Thames, Auckland

” ” ” Macetown, Otago

4—COMMISSIONERS—

Auriferous Quartz, and a Trophy, shewing the yield of Gold from New Zealand. Value, £36,227,114; 9,253,021 ozs. troy; 285 tons; 670 cubic feet; height, 35.5 feet; Base, 5.2 × 5.2 feet; Apex, 3.5 × 3.5 feet.

5—CROMWELL QUARTZ MINING COMPANY, *Cromwell, Dunedin—*

Specimens of Tailings for treatment

6—DOUGLAS, GEORGE BROWN, *Macetown, Arrow, Lake County, Otago—*

Quartz Reef Specimens from Macetown, Arrow River, Otago.

7—D'URVILLE ISLAND COPPER MINING COMPANY (Limited)—

Specimens of Copper Ore from D'Urville Island Copper Company (Limited.)

8—EDGAR, JOHN, *Queenstown—*

Specimens of Fossilized Fern Roots and Leaves, from Lake Wakatipu, Queenstown

9—EDWARDS, E. R., *Thames—*

Specimens of Gold-bearing Quartz, from Thames

10—GARDINER WILLIAM, *Moke Creek, near Queenstown—*

Copper Ore, specimens from Moke Creek

11—HACKETT, T. R. (*for Johnston and Co.*) *Aniseed Valley, Nelson—*

Copper Stratum Specimens

Chrome Ore do

Description of the Copper Stratum in Aniseed Valley, Nelson.

The Copper Stratum in Aniseed Valley was discovered in 1878 by Messrs. Johnston, and is hence called "Johnston's Copper Stratum." It was first found in the centre of the belt of Serpentine Rock, known as the Mineral Belt, in the immediate vicinity of a former chrome ore working.

The copper-bearing stratum runs in the same direction as the surrounding serpentine rock, of which it is only a portion, but in its northerly course it is interrupted by a mass of volcanic breccia, from which possibly its contents of copper may have originated.

The copper occurs in a native state almost equally interspersed through the whole mass to a thickness of about 8 feet. The stratum has been traced, copper-bearing, for a length of 250 feet, the average contents being 5 to 6 per cent. of copper, disseminated through the mass in minute irregular grains.

In the natural cleavages of the rock constituting this stratum, the copper is not visible, and it can only be seen in a fracture made across the grain, which makes it difficult to trace on the surface, and which will probably account for this deposit not having been previously observed.

The great practical value of the stratum consists in the facility with which the copper can be extricated, inasmuch as nearly the whole of the grains of metal can be panned off from the pounded mass, as easily as gold can be panned from crushed quartz, and it can consequently be saved by a crushing machine similarly to gold, or rather, similarly to tin or lead ore as treated in Europe.

At present the proprietors are endeavouring to open up the stratum in its southern continuation, and are also making a cart road to it, with a view to its eventual working on a large scale.

12—HEMATITE PAINT COMPANY, *Nelson, New Zealand*—

Specimens of Raw Hematite Ore

- Do. Calcined „ „
- Do. Paint from „ „
- Do. Crystalline Limestone, from Para Para, Collingwood, Nelson

13—JACKSON, H. D. *Nelson*—

Specimens of Ores and Regulus

- Do. Copper Brick
- Do. Silver (pure 19 oz.) from Richmond Hill Mine

14—JOHNSTON BROS. and Co., *Nelson*—

Specimens of Galena and Silver Lead Ore, Collingwood

- Do. Zinc Blende, Collingwood

15—LOW, WILLIAM, *Maori Point, Shotover, Queenstown*—

Specimen of Specular Ironstone, from Maori Point, Shotover, Queenstown

The Sample is water-worn as found on the Terraces. Lode, from 3 feet 4 inches thick

16—MARTIN, CHARLES HENRY, *Mt. Hamburg, Wakapuaka, Nelson*—

Rock, from Mount Hamburg

Excellent Road-metal, owing to its forming a good cement when well watered, and making a durable binding surface

17—MCCAFFREY, EDWARD, Sculptor, *Queenstown*—

Specimens

- 2. Marble, from the head of Lake Wakatipu
- 3. Freestone, fossil leaf, from Few's Creek
- 4. „ light yellow, „
- 5. „ different grain, „
- 6. „ green, „

7. Gypsum, from head of Lake Wakatipu
 8. " " "
 9. Freestone, fine grain
 10. " cream or light green
 11. " with coal specimens
 12. " crest of quarry, with fossil wood
 13. Limestone
 14. Mineral, gold found under it
 15. Stone with broken shell
 16. Limestone, with large shell
 17. Freestone, dressed
 18. " partly dressed, fine grain
- The freestone is imperishable, can be turned out from 1 ft. to 20 ft. for pillars any thickness and size, obtainable for building. Price at quarry, 2s. 6d. per cubic foot, free on board lake steamer. Freight to Kingston Railway Station, 10s per ton.
- 18—MOFFETT, WILLIAM, *Invercargill*—
Tailings, from Geelong Claim, Longwood Ranges, Southland—
 - 19—MOUNT RANGITOTO SILVER MINING COMPANY (Limited)—
Specimen of Silver Ore (Crushed), from Rangitoto Mine, Hokitika
 - 20—STANSELL, JOHN B., *Christchurch*—
Specimens of Iron Ore and Small Ingot, from Para Para, Nelson
 - 21—WARREN, WILLIAM, J. P., *Queenstown*—
Specimen of Copper Ore, found between Lake Wakatipu and West Coast
 - 22—WHITE ISLAND SULPHUR COMPANY, *Auckland*—
Specimens of Crude Ore and Flowers of Sulphur, manufactured by the Company
 - 23—WILLIAMS, CORNWELL JOSEPH, *Thames*—
Specimen of Silver Lead Ore, from Tareru Creek
 - 24—WORTHINGTON, JOHN S., *Queenstown*—
Specimens of Iron Sand
Occurs in large quantities at Queenstown
 - 25—GARDINER, WALTER, *Moke Creek, Wakatipu*—
Three Specimens of Copper Ore

Class 101.

- 40—BAY OF ISLANDS COAL COMPANY, *Kawa Kawa Colliery, Bay of Islands*—
Specimens of Coal, from Bay of Islands
Glance Coal, shewing every stage from Brown Coal to Anthracite
- 41—BRUNNER COAL COMPANY, *Brunnerton, Grey River*—
Specimen of Coal, two blocks, from Brunner Mine, Grey River. Price, 12s 6d per ton, shipped
Specimen of Coke. Half-ton. Manufactured from screenings of the above. Price, £2 per ton, shipped
- 42—COAL PIT HEATH COAL MINING COMPANY (Limited), *Greymouth*—
Section of 18-ft. Coal-seam, from the Company's mine
12s. per ton, delivered on board ship at Greymouth
- 43—GARDNER, JAMES, *Birchwood, Southland*—
Specimen of Coal, from Birchwood Estate, Southland
- 44—GREEN ISLAND COAL COMPANY (Limited), *Dunedin*—
Specimens of Brown Coal from the Green Island Mines
- 45—MURRAY, DALGLEISH AND COMPANY, *Nightcaps, Southland*—
Specimen of Coal, from Nightcaps, Southland
- 46—SHAG POINT COAL COMPANY, (Limited), *Dunedin*—
Specimen of Coal
- 47—WALTON PARK COAL COMPANY, (Limited), *Dunedin*—
Samples of Brown Coal from the Company's pits, Green Island, near Dunedin
- 48—WESTPORT COLLIERY COMPANY, *Westport*—
Specimen of Coal, and Pillar shewing one half the thickness of the 30-foot seam, Mount Rochfort Mine
- 49—WILLIAMS, CAPT. W. R., *Wellington*—
Specimens of Coal (Soft Smithy), from Wellington Mine
Do. Coke do. Westport
- 50—WILSON, W., *Malvern, Christchurch*—
Specimens of Coal (Bituminous) seam 6-ft. 6-in.
Do. Coal (Anthracite) seam 2-ft. 10-in., from Malvern Hills, Canterbury

Class 102.

- 51—CANTERBURY MARBLE COMPANY, *Christchurch*
Marble, red and grey specimens, from Canterbury Marble
Quarry Company
- 52—DANIEL, WILLIAM, *Dipton, Oreti, Southland*—
Specimens of Stone from quarry at Dipton, Southland
- 53—EDWARDS, E. R., *Thames*—
Specimen of Building Stone
- 54—ENYS, J. D., *Trellisic, Canterbury*—
Specimen of Building Stone from Castle Hill, West Coast
Road
- 55—HAAST, PROFESSOR JULIUS VON., Ph.D., F.R.S., *Director of
Canterbury Museum*—
Building Stones of Canterbury
- I. Trachyte, from a vertical dyke 16 feet broad. Cap Peak, Banks
Peninsula; Butterfield's Quarry.
 - II. Trachyte, from a dyke 26 feet broad. Heathcote Valley, Banks'
Peninsula; Thompson's Quarry.
 - III. Trachyte, from a dyke 20 feet broad. Heathcote Valley, Banks'
Peninsula; Thompson's Quarry.
 - IV. Porphyritic Dolerite, from a dyke 18 feet broad. Banks' Peninsula;
Teape's Quarry.
 - V. Porphyritic Dolerite Lava. Northern spur of Banks' Peninsula
(Hillock's Gully), Banks' Peninsula.
 - VI. Porphyritic Dolerite Lava. Northern Spur of Banks' Peninsula;
Tait's Quarry.
 - VII. Anamesite, from a lava stream (submarine), 26 feet thick. Timaru;
Kirby's Quarry.
 - VIII. Quartziferous Porphyry. Governor's Bay, Banks' Peninsula; Hodgson's
Quarry.
 - IX. Calcareous Sandstone (Oamaru formation). Mt. Somers; Cox's Quarry.
 - X. Calcareous Sandstone (Waipara formation). Mt. Brown; Sheath's
Quarry.
 - XI. Calcareous Limestone (Oamaru formation). Kakahu; Sheath's Quarry.
 - XII. Calcareous Limestone (Oamaru formation). White Rock (near Ashley);
Nelson's Quarry.
 - XIII. Calcareous Limestone (Oamaru formation). Coal Creek (near Timaru);
Pavitt's Quarry.
 - XIV. Calcareous Limestone (Waipara formation). Castle Hill, West Coast
Road; Enys' Quarry.
 - XV. Doleritic Tufa. Latter's Spur, Banks' Peninsula; Latter's Quarry.
 - XVI. Trachyte Sandstone. Governor's Bay, Banks' Peninsula; Pott's Quarry.
 - XVII. Carved Specimen of Castle Hill Stone; Enys' Quarry.

Building Stones of Canterbury.

The building stones of Canterbury are principally derived from two very distinct sources, of which the first, furnishing free-stones of excellent quality and generally of considerable hardness, is of volcanic origin.

These are mostly obtained from Banks' Peninsula, and are probably of middle tertiary age. The rest of the building stones, mostly of a calcareous nature, are derived from the upper portion of two well defined sedimentary deposits, named the Waipara and Oamaru formations, the first being of cretaceo-tertiary, and the latter of upper eocene or lower miocene age. The hard building stones of volcanic origin quarried in Banks' Peninsula are derived either from basaltic lava streams, in which case they are generally used for rubble and for dressed ashlar work, or they are taken from dykes generally of a trachytic character. These dyke rocks for every kind of architectural work are very useful, and form in many instances beautiful building stones of rich colour and fine texture.

The calcareous sandstones usually called limestones are of light colours, from brownish-grey to a creamy white, and of a varying degree of hardness, but they can all be cut with a saw when taken from the quarry. Afterwards they gradually become much harder when being exposed to the air, an excellent quality for a building stone of that class. An almost unlimited supply of this building material can be obtained.

56—HACKET, T. R., for Johnston Stratum Company, *Aniseed Valley, Nelson*—
Specimen of Marble.

57—MUNRO, G., *Dunedin*—
Specimens of New Zealand Marble (polished and rough)
Do. Kakanui Stone, viz. :—
Clock Case, made from Kakanui Stone
2 pieces of White Marble, cut and polished, from Caswell Sound
2 pieces of Dove-coloured Marble, from Caswell Sound
4 samples of K.K. best quality Kakanui Stone
1 do. K. second " " "

58—NEW ZEALAND AGRICULTURAL Co., *Southland*—
Specimens of Building Stone

59—OAMARU STONE COMPANY (LIMITED), *Omaru*—
Stone Column with capitals, Cornice and Balusters
Specimens of Stone, undressed

60—OTAGO SLATE COMPANY, (Limited) *Otepopo, Otago*—
Samples of Slates, quarried from the Company's Quarries,
viz.,
(1) Slab, 3 ft. 9in. x 1 ft. 8½in.
(2) 12 Slates 20 x 10 (Countess)
(3) 5 pieces of Slate, split thin to show cleavage

61—PORT CHALMERS BUILDING STONE COMPANY, *Dunedin*—
Sample of Base Course Blue Stone
" " Kerbing Stone

62—STANSELL, JOHN B., *Christchurch*—
Specimen of Marble

63—WILSON, J., *Malvern, Christchurch*—
Specimen of Building Stone, from White Rock Quarry,
Canterbury

Class 103.

- 70—DUNEDIN HARBOUR BOARD—
Cement Boulders from Sea Beach, Port Moeraki, Otago
- 71—ELDRED, E., *Few's Creek, Lake Wakatipu*—
Specimens of Limestone from Few's Creek, Lake Wakatipu,
Otago
Supply unlimited, price for Burnt Lime, 5s per sack, delivered
at the Bluff Harbour
- 72—MUNRO, GEORGE, *Dunedin*—
Six samples of Hydraulic Cement in its native state
- 73—O'NEILL, CHARLES, C. E., *Wellington*—
Artificial Caithness Flagging, patented by the Exhibitor, 12
x 33 feet, laid at the Main or West Entrance to the Garden
Palace

Class 104.

- 80—AUSTIN AND KIRK, *Christchurch*—
Specimens of Fire Clay and Ganaster
- 81—BOYD, GEORGE, *Newton, Auckland*—
Specimen of Fire Clay Bricks and Puzzolana
- 82—BRUNNER COAL COMPANY, *Brunnerton, Grey River*—
Samples of Fire Clay (ground and unground) from seam,
underlying coal in Brunner Mine, from 2 feet to 5 feet
thick. Value £2 per ton, shipped
Sample of Fire Bricks, manufactured from above clay. Value
£6 per 1000, shipped
- 83—EDWARDS, E. R., *Thames*—
Potter's China Clay, from Thames
Potter's Felspar " "
- 84—FORD AND OGDEN, *South Malvern, White Cliffs, Christchurch*—
Fire Bricks
Fire Clays
- 85—GUM AND SPENCE, *Lawrence, Tuapeka, Otago*—
Specimens of Pipe Clay
Has been successfully manufactured at the Dunedin and
Milton Potteries

- 86—HACKET, T. R., for *Johnston and Co., Stratum Co., Aniseed Valley, Nelson*—Steatite
- 87—MUNRO, GEORGE, *Dunedin*—
Sample of Pottery Clay
- 88—STANSELL, JOHN B., *Christchurch*—
Sample of Glass-making Sand
Do. Pottery Clay

Class 106.

- 95—PAWA RIKA LITHOGRAPHIC STONE COMPANY, *Abbey Rocks, Westland*—
Slabs of Lithographic Limestone

Class 107.

- 100—ARCHARD, FREDERICK, *Makaraka, Auckland*—
Artesian Mineral Waters
- 101—KELLY AND FRASER, *Thames*—
Mineral Waters from Puirī Springs, Thames
- 102—THOMAS, J. A., *Moutere, Nelson*—
Fossil Shell from Wairoa, Nelson
- 103—WHITE ISLAND SULPHUR COMPANY—
Specimens of Crystallized Gypsum

GROUP—METALLURGICAL PRODUCTS.

Class 111.

- 110—VIVIAN, JAMES MITCHELL, *New Plymouth, Taranaki*—
Specimens of—
Iron Sand from Taranaki Beach
Soil used as flux
Brick, prepared for smelting

Pig Iron, after smelting

Pig Iron, polished

It is hoped that these samples from Taranaki may attract the attention of scientific men, and lead to the discovery of a process for smelting this sand that will be commercially successful.

Wheels for Railway carriages have been ordered by the Minister for Public Works in New Zealand, to be made out of Taranaki sand

GROUP—MINE ENGINEERING, MODELS, MAPS, AND SECTIONS.

Class 120.

120—CLIMO, WILLIAM, *Tararu, Thames*—

Specimens illustrating a Chlorine Process for obtaining gold from tailings

Class 121.

130—BEETHAM, GEORGE, *Wellington*—

Model of Mount Ruapehu, the central extinct volcanic mountain in the North Island. The summit was for the first time explored by Messrs. Beetham and Maxwell, in February, 1879.

131—COAL PIT, HEATH COAL MINING COMPANY (limited), *Greymouth*—
Section of Coal Seam

132—GREYMOUTH LOCAL COMMITTEE, *Westland*—

Gilt Pyramid showing amount of Gold exported from Greymouth since 1857. 1,216,987 ozs., value £9,867,998

133—HECTOR, JAMES, C.M.G., *Wellington*

Model of the Volcanic Mountain of Tangariro

134—HOKITIKA LOCAL COMMITTEE—

Model of Mining Claim "Morning Star," Ross, Westland

135—HOKITIKA LOCAL COMMITTEE—

Gilt Pyramid representing quantity of Gold exported from Hokitika from 1865 to 1879.—2,032,339 ozs. Value £8,261,860

Class 122.

- 137—HAAST, PROFESSOR JULIUS VON, Ph.D., F.R.S., *Director of the Canterbury Museum*—
Report on the Geology of Canterbury and Westland, New Zealand
- 138—HECTOR, JAMES, C.M.G., M.D., F.R.S., *Director of the Colonial Museum and Geological Survey of New Zealand*—
Relief Map of New Zealand
Relief Map of New Zealand, Geologically coloured
Geological Maps of New Zealand, dated 1865, 1869, 1873, 1879, shewing the progress of the Geological Survey of New Zealand.
Plans, Sections, and Local Geological Maps
Plans and Sections of Coal, and other Mines of New Zealand

DEPARTMENT II.

Manufactures.

GROUP—CHEMICALS.

Class 200.

- 140—CREASE, EDWIN H., *Wellington*—
Three dozen Tins of Baking Powder
- 141—GRAYLING, W. IRWIN, *Omata Chemical Works, Taranaki*—
Chemicals
- A—Six Samples of Extract of Towai
1. Discoloured and refined from cold infusion
 2. Refined from cold infusion
 3. Unrefined "
 4. From the Timber "
 5. Spring growth "
 6. From hot infusion, unrefined
- B—7. Extract of Rimu or Red Pine, unrefined
8. " Birch "
 9. " Rata Climber "
 10. Tanning Compound "
 11. Extract of Hinau "
 12. " Pukatea "

The Towai (*Weinmannia racemosa*) is an indigenous tree largely distributed over the hilly lands in many parts of New Zealand; it is often to be met with four or five feet in diameter, and from thirty to sixty feet in height. It grows frequently in clusters united at the base in a large tabular stoloniferous root, and in numerous instances round Mount Egmont the tree forms a natural bridge over the stream, as it first grows upright on the bank, and then gradually inclines over until its top reaches the land on the other side, there it rests, a forest of young trees springing up vertically from the prostrate trunk. A zone of thirty miles, three miles in width round the high lands of Mount Egmont is clothed exclusively with Towai, whilst throughout the whole district the banks of most of the rivers will yield a large supply. A reference to the map will show the distribution. The Extract is unusually rich in Tannin and forms good leather, and as a dye will yield all the shades obtainable from Gambier. It can be cheaply rendered.

In case B the first four Extracts are astringent of greater or less value.

No. 11.—Hinau (*Elæocarpus Dentatus*) is of sufficient importance to deserve a special notice.

The Hinau is an evergreen forest tree of considerable dimensions. The bark is used by the natives in dyeing black their beautiful flax mats. The flax after a soaking in a hot fusion of the bark is buried for a time in the red iron mud so abundant in the stagnant pools. The Hinau can only be considered of value as a dye, yielding yellow buffs and blacks.

No. 12.—Is an Extract of the Pukatea (*Atherosperma Novae Zealandæ*). It is a valuable tonic, much in use amongst the Maoris as a remedy for neuralgia. In selecting a tree for stripping, they always take one that has been exposed to the fullest effects of the sun's rays.

142—HILL AND HUDSON, *Chemists, Auckland*—

Baking Powder for making Bread and Pastry without Yeast,
manufactured by the Exhibitors

143—HITCHENS, HENRY ALBERT HOLLAND, *Wakefield Street, Auckland*—

Vegetable Compound for Purifying the Blood, and a Miraculous Cure for Rheumatism and Rheumatic Gout—result of years of investigation

144—KEMP THORNE PROSSER & CO., NEW ZEALAND DRUG CO. (LIMITED)
Dunedin—

Washing Powder, also general Exhibit of Chemicals, Cordials,
&c., manufactured by the Exhibitors

Class 201.

150—AUCKLAND OIL COMPANY (LIMITED), *Auckland*—

Sample of Oil extracted from the dried kernel of the cocoa-nut known as "Copra." Good for lubricating, and largely used for manufacturing the best soap

151—DURRAND BLANCK & COMPANY, *Dunedin*—

Specimen of Oil for lubricating, manufactured in Dunedin

152—ELDER, WILLIAM, *Dunedin*—

Sample of Sea Elephant Oil, for lubricating

153—HANCOCK, THOMAS, *Christchurch*—

Sample Box of Soap

154—HATCH, JOSEPH, *Invercargill*—

Samples of Soap—Carbolic Acid

155—MARTER, CHARLES JOHN, *Wellington*—

Samples of Soaps and Oils, &c.

156—MCLEOD BROTHERS, *Crown Soap and Candle works, Dunedin*—

Samples of Soaps (plain and fancy)

Candles. Stearine

- 157—MCLEOD & SONS, WM., *Dunedin*—
Sample of Soap ; manufactured by the Exhibitors
- 158—PARNELL SOAP FACTORY COMPANY, *Auckland*—
1 Cwt. Common Soap
1 Cwt. Toilet do.
- 159—ROBINS & MCLEOD, *Dunedin*—
Samples of Soaps (household); manufactured by the Exhibitors
- 160—ROSS, A. Y., *Gisborne, Poverty Bay*—
Four Gallons Petroleum, in crude and refined state
(Philadelphia Juror's Report attached)

Class 202.

- 170—ATKINSON & MCCOLL, *Newmarket, Auckland*—
Sample of Enamel Paint and Varnish
Eight Tins Assorted Paints
Two Tins Brunswick Black
Made from New Zealand Kauri Gum and ordinary Pigments
Average price 6d. per lb.
- 171—BARREIRA, JOSEPH, *Christchurch*—
Colonial Blacking in tins and cakes
Colonial Varnish
- 172—HAMMOND, THOMAS, *Richmond, Nelson*—
Paste Blacking and Ink, as supplied to the trade
- 173—KAY, THOMAS, *Wellington*—
Samples of Fire Kindlers
Samples of Blacking
Samples of Sealing Wax
Samples of Japan
- 174—KEMPTHORNE, PROSSER & Co., NEW ZEALAND DRUG Co. (limited)
Blacking, manufactured by the Exhibitors
- 175—RICE, THOMAS, *Napier*—
Samples of Furniture Polish

Class 203.

- 180—BEISSEL, F. *Dunedin*—
Samples of Perfumery
- 181—MARTER, JOHN CHARLES, *Wellington*—
Toilet Requisites

GROUP—CERAMICS, POTTERY, PORCELAIN, &c.

Class 206.

- 190—AUSTIN AND KIRK, *Christchurch*—
Samples of Stoneware
Samples of Drain Pipes
Samples of Pottery Ware
- 191—BOYD, GEORGE, *Newton, Auckland*—
Samples of Gas Tiles
- 192—PLANT, WILLIAM, *Thames*—
Pottery Ware (made by an amateur with amateur appliances)

Class 207.

- 196—BOYD, GEORGE, *Newton, Auckland*—
Samples of Crucibles
Samples of Fire Bricks
Samples of Fire Tiles

Class 213.

- 200—CAPSTICK, R. W., *Milton, Dunedin*—
- | | |
|---------------------|---------------|
| 6 sets Jugs, | 3 in each set |
| 2 " Vases, | 3 " |
| 3 " Spill Cups, | 3 " |
| 4 " Teapots, | 3 " |
| 3 " Candlesticks, | 3 " |
| 6 small Ink Bottles | |

GROUP—FURNITURE AND OBJECTS OF GENERAL USE IN
CONSTRUCTION AND IN DWELLINGS.

Class 217.

- 210—BURT, A. AND T., Plumbers, *Dunedin*—
Cabinet Washtand woodwork, marble top, tubes, pipes, and taps
manufactured by Exhibitors
- 211—CLEMENTS, SAMUEL P., *Wellington*—
Blinds (Patent Venetian)
Blinds (Wire Gauze)
- 212—COCKS, JAMES, *Thames*—
Bedstead made of Mottled Kauri, New Zealand wood
- 213—FINDLAY AND CO., *Dunedin*—
Writing Table, Escretoire, made of New Zealand woods
- 214—FLEMING, GEORGE, *Hardy Street, Nelson*—
Tables and Boxes, inlaid, of New Zealand woods
- 215—GUTHRIE AND LARNACH'S NEW ZEALAND TIMBER AND WOOD
FACTORY CO. (Limited), *Dunedin*—
Bedroom Suite, consisting of Canopied Bed, Couch, Ward-
robe, Washstand, Dressing Table, 4 Small Chairs, Lady's
Chair, Easy Chair, Commode, Towel Horse, constructed of
Rimu, mottled Kauri and Totara
Chest of Drawers of Rimu, Kauri, Totara and Rewa-rewa
Drawing Room Suite, consisting of 6 Small Chairs, 1 Lady's
Chair, Easy Chair, Couch, Ottoman, made of Silver Birch
(*Fagus solandri*)
Japanese Cabinet made of New Zealand Birch, ebonized
- 216—LARGE AND TOWNLEY, *Napier*—
Work Table, inlaid, of New Zealand woods
- 217—NICHOLSON, WM., *Cuba Street, Wellington*—
Sideboard of New Zealand Woods—made by an Apprentice
- 218—PETERS, CARL, *Cuba Street, Wellington*—
Table (Octagon), and variety of New Zealand Woods
- 219—PETHERICK, JAMES, JUN., *Upper Willis Street, Wellington*—
Table, Inlaid, of New Zealand Woods
- 220—REILLY, CHARLES, *Timaru*—
Double Washstand, New Zealand Wood
- 221—SEUFFERT, ANTON, *Cabinet Maker, Auckland*—
Chess Table, Inlaid with New Zealand Woods—Design
forming a kind of basket work

Class 218.

- 230—THE FIRE BRIGADE, *Dunedin*—
Silver Vase presented to the Brigade by the Associated
Insurance Companies
- 231—PETERSEN, B. & Co., *Christchurch*—
Silver Claret Jug and Cups, manufactured by the Exhibitors,
from New Zealand Silver
- 232—SANDSTEIN, M. *Christchurch*—
Epergne, Silver

Class 219.

- 240—GUTHRIE & LARNACH'S NEW ZEALAND TIMBER & WOOD FACTORY
Co. (Limited), *Dunedin*—
Mirror (60 x 40) framed in New Zealand Birch, ebonized

Class 220.

- 245—CHILD, SAMUEL, *Shirley, Christchurch*—
Picture Frame, in Cones of New Zealand growth
- 246—MYERS, THOMAS, *Wellington*—
Sample Picture Frame
- 247—SALMON, KATE, *Wellington*—
2 Cone Picture Frames (Seaweed and Ferns)
1 Cone Bracket

Class 222.

- 250—FISHER, HUGH, *Thames*—
Colonial Oven and Grate made in New Zealand
- 251—SCOTT BROTHERS, *Christchurch*—
Stoves

Class 223.

- 255—BURT, A. AND T., Plumbers, *Dunedin*—
Gasaliers

Class 224.

- 260—GUTHRIE AND LARNACH'S NEW ZEALAND TIMBER AND WOOD
FACTORY COMPANY (Limited), *Dunedin*—
3 Tubs
6 Buckets

Class 225.

- 265—THOMSON, THOS., *Bluff Harbour*—
Washing Machine

Class 227.

- 270—GREENFIELD AND STEWART, *Wellington*—
Mantel-shelf of New Zealand Wood
- 271—HALLEY AND EWING, *Wellington*—
Door of Red Pine, New Zealand Wood
- 272—STEWART AND Co., *Wellington*—
Door of New Zealand Wood
- 273—GUTHRIE AND LARNACH'S NEW ZEALAND TIMBER AND WOOD
FACTORY COMPANY (Limited), *Dunedin*—
Ornamental Inner Hall Door, made of inlaid New Zealand
Woods: Rimu, Mako, Rewa-rewa, Kauri, Totara, Horopito,
Kakikatea, Hoehere, Manuka
Marquetry Flooring of same timbers. Portable, and can be
used as floor cloth ; can be laid at 12s. 6d. per yard

GROUP—YARNS AND WOVEN GOODS OF VEGETABLE OR
MINERAL MATERIALS.

Class 229.

280—BEVAN, THOMAS, JUNR., *Waikawa, Foxton—*

Fishing Line, 55 fathoms

Ball of Double Twine

2 Balls of Single Twine

Lead Line, 16 fathoms

2-inch Rope, 14 "

2 Horse Halters (double twine)

Fishing Line, 50 fathoms

Coloured Fibre

" Twine

All made from New Zealand Flax

281—ELLIS AND NICHOLSON, *Dunedin—*

Samples of Flock for Upholstering purposes

282—KING, W. R., *New Plymouth—*

39 Kits made by Maoris from New Zealand Flax

21 "

2 Native Mats "

2 "

Large Antimacassar

283—MCGLASHAN, EDWARD, *Dunedin—*

Sample of Fibre for Spinning

Sample of Grass

284 NATTRASS, LUKE, *Bridge Street, Nelson—*

Sample Sack made of New Zealand flax

Sample of raw flax

GROUP—WOVEN AND FELTED GOODS OF WOOL AND MIXTURE
OF WOOL.

Class 236.

290—KAIAPOI WOOLLEN MANUFACTURING Co. (Limited), *Kaiapoi, Canterbury—*

Samples of Flannel, Cricketing, etc., of New Zealand manufacture

291—MOSGIEL WOOLLEN FACTORY Co., *Mosgiel, Dunedin—*

Flannels of New Zealand manufacture

Class 237.

- 296 KAIAPOI WOOLLEN MANUFACTURING Co. (Limited)—
Blankets of New Zealand manufacture
- 297 MOSGIEL WOOLLEN FACTORY Co., *Mosgiel, Dunedin*—
Shawls, Blankets, of New Zealand manufacture

Class 238.

- 300—BRAITHWAITE, A., *Hutt, Wellington*—
Yarn, Homespun, made by a Station hand from similar Wool
as exhibited in Division K.
- 301—HENRY, MISS MARY, *Nelson*—
Woollen Scarf, spun and knitted by hand from Wool grown
in Nelson District
- 302—KAIAPOI WOOLLEN MANUFACTURING Co. (Limited), *Kaiapoi,
Canterbury*—
Samples of Yarn
Samples of Plaiding
Samples of Tweed
- 303—MOSGIEL WOOLLEN FACTORY COMPANY, *Mosgiel, Dunedin*—
Woollen Fabrics of New Zealand Manufacture

Class 239.

- 310—COOK WILLIAM, *Wellington*—
Four Mats made of New Zealand Flax and Wool
- 311—LAWLESS, THOMAS, *Thames*—
Woolwork in Frame

Class 241.

- 316—JORDAN, JOSEPH, *Dunedin*—
Counterpane or Table Cover (Ornamented)
- 317—LOCKWOOD, MRS., *Timaru*—
Antimacassar

GROUP—SILK AND SILK FABRICS, AND MIXTURES IN WHICH
SILK IS THE PREDOMINATING MATERIAL.

Class 242.

- 325—GRAHAM, RICHARD EDWARD, *Auckland*—
Silk (the produce of 1,000 Silk Worms reared by R. Graham, Esq., Auckland), in its crude state. The Worms were chiefly fed on Mulberry leaves, for the growth of which the Auckland climate is admirably adapted, and occasionally on Lettuce and Fig leaves.

Class 247.

- 330—HENRY, MRS. LUCIEN, *Castle St., Dunedin*—
Silk Cushion with cover

Class 249.

- 335—GREENSHIELDS, WALTER, *Bracemaker, Auckland*—
Braces and Belts (Silk Orné) mounted with Silver from Thames, manufactured at Auckland. Chiefly made to order as presents, with names woven in and embossed thereon.

GROUP—CLOTHING, JEWELLERY, AND ORNAMENTS—TRAVELLING
EQUIPMENTS.

Class 250.

- 340—BEEBY, MRS., *Queenstown, Otago*—
Knitted Counterpane
- 341—BLACK, MARGARET ANN, *Wellington*—
Samples of Knitted Goods and Hosiery
- 342—FORSTER, WILLIAM, *Christchurch*—
“Life Saving Vest,” to be worn on board ship under any ordinary vest, can be inflated at will, and can be used as an air cushion or pillow.

Class 251.

- 346—ALMAO, V., *Dunedin*—
Hats and Caps, manufactured by the Exhibitor
- 347—ANDERSON, JOHN, *Dunedin*—
Boots and Shoes (made in Dunedin)
- 348—COOMBES AND SON, *Dunedin*—
Boots and Shoes
- 349—HYDE, GEORGE, *Christchurch*—
4 pair Men's Boots
5 „ Women's Boots
- 350—INGLIS, A. AND T., *Dunedin*—
Boots and Shoes (Manufactured by the Exhibitors)
- 351—KINGSLAND AND COMPANY, J., *Invercargill*—
Leather Work, consisting of Shoes, Boot Uppers, &c.
- 352—LIGHTBAND, ALLAN AND Co., *Christchurch*—
Boots and Shoes of New Zealand Manufacture
- 353—LUCIEN, MRS. HENRY, *Castle Street, Dunedin*—
Pair of Slippers (Inserted Work)
- 354—MARRIOTT, MRS. THOMAS, *Wellington*—
Bonnet made from Lace Bark
- 355—NEAL, HENRY, *Motueka, Nelson*—
Hat made from Phormium Tenax, or New Zealand Flax
- 356—SARGOOD, SON & EWEN, *Dunedin*—
Boots and Shoes

Class 252.

- 360—BINNS, Mrs. GEORGE, *Wellington*—
Old Point Lace (Imitation), Hand Made
- 361—BRIDGEN, Mrs. A., *Wellington*—
Hand Screen
Round Table Cover
Afternoon Tea Cloth
Embroidered Bracket
- 362—HENRY, LUCIEN, Mrs., *Castle Street, Dunedin*—
Lace Handkerchief

- 363—O'CONNELL, MRS. JOANNA, *Mount Street, Auckland*—
Limerick Lace—Baby's Robe, worked by hand by the Exhibitor
- 364—WILSON, MISS ANNA, *Dunedin*—
Specimen of Point Lace

Class 253.

- 370—COGAN, JOHN, *Naseby, Dunedin*—
Chain made chiefly of Gold found at Maniatoto
Pin made " "
- 371—KOHN AND CO., *Dunedin*—
Gold and Silver work
- 372—PETERSEN, B., AND CO., *Christchurch*—
Jewellery
- 373—PROCTER, THOS. R., *Christchurch*—
Specimens of Jade, manufactured and unmanufactured
- 374—SANDSTEIN, M., *Christchurch*—
Jewellery
- 375—TELFER, JOHN T., *Dunedin*—
Jewellery (colonial made)
- 376—WILLIAMS AND SON, *Picton*—
Pearl (Black) found by a Maori in a Mussel caught in Tory
Channel, Marlborough Province

Class 254.

- 380—BEISSEL, F., *Dunedin*—
Hair and Artificial Hair Work
- 381—BURT, A. AND T., Plumbers, *Dunedin*—
Lady's Electro-Plated Cotton Reel Stand

Class 256.

- 386—LIARDET, H. E., *Wellington*—
Specimens of Furrier's Work

GROUP—PAPER, BLANK BOOKS, AND STATIONERY.

Class 260.

- 390—INVERCARGILL PAPER BAG FACTORY, *Invercargill*—
Paper Bags made from Brown and Grey Paper, manufactured
by the Mataura Paper Mill Company from Native New
Zealand Grass
- 391—MATAURA PAPER MILL COMPANY (Limited), *Mataura*—
Brown and Grey Wrapping Paper manufactured chiefly from
Native New Zealand Grass
- 392—MCGLASHAN, EDWARD, *Dunedin*—
Sample of Paper Stock made from New Zealand Grass
- 393—OTAGO PAPER COMPANY (Limited), *Dunedin*—
Two Samples of Brown Wrapping Paper manufactured by
the Exhibitors

Class 261.

- 400—BURRETT, ROBERT, *Wellington*—
Specimens of Bookbinders' Work
- 401—DIDSBURY, GEORGE, *Wellington*—
Specimens of Bookbinders' Work
1 10-qr. Super Royal Ledger—Bound in Russia Under Bands,
with loose Index in Red Basil
1 10-qr. Journal—Bound in Green Vellum, Single Russia
Bands
1 10-qr. Cash Book—Bound Full Rough Calf, Double Russia
Bands
Set of 11 Volumes of the Transactions of "The New Zealand
Institute"—Bound in Calf Half Extra
- 402—FERGUSON AND MITCHELL, *Dunedin*—
Account Books, &c.
- 403—LYON AND BLAIR, *Wellington*—
Specimen of Bookbinders' Work
- 404—SMITH, J. T. AND CO., *Christchurch*—
Specimen of Bookbinding
- 405—TOMBS AND DAVIES, *Christchurch*—
Specimen of Bookbinding, Account Books, &c.
- 406—WISE, HENRY AND CO., *Dunedin*—
Books

GROUP—MEDICINE, SURGERY, PROTHESIS.

Class 272.

- 415—ELDER, WILLIAM, *Dunedin*—
Samples of Cod Liver Oil
- 416—INNES, WILLIAM MARTIN, *Port Chalmers*—
4 Bottles of Cod Liver Oil—2 Quarts
- 417—MONTEITH, J., *Wellington*—
Case of Assorted Medicines
- 418—NEIL, JAMES, Herbalist, *Dunedin*—
Botanical Medicines
- 419—WETZEL, JOHN, *Wanganui*—
Medicines

Class 276.

- 425—PACKER, J. A., *Nelson*—
Artificial Leg, with Movable Joints

GROUP—HARDWARE, EDGE TOOLS, CUTLERY, AND METALLIC PRODUCTS.

Class 281.

- 435—KEMPTHORNE, PROSSER, AND CO., NEW ZEALAND DRUG COMPANY (Limited)—
Knife Polish

Class 282.

- 440—BURT, A. AND T., *Dunedin*—
Large Bell (6 cwt.), mounted with wheel
- 441—SCOTT BROTHERS, *Christchurch*—
Ornamental Castings

Class 283.

- 446—BIRLEY, PETER, Engineers' Smith, *Auckland*—
Wrought Iron Work. Fuschia on a Stick. Flowers and
Leaves from Nature

GROUP—FABRICS OF VEGETABLE, ANIMAL, OR MINERAL
MATERIALS.

Class 284.

- 450—FROST, JOHN W., *Wellington*—
Rubber Stamps (Self Inking)
Vulcanite Rubber, Stereotypes
- 451—SNOWDON, T. H., *Christchurch*—
Patent Hand Printing Press, Six Colours
Vulcanite Hand Stamp
Rubber Stamp
One Stamp of various kinds of Rubber

Class 285.

- 460—HARBUTT, THOMAS J., Wholesale Brush Manufacturer, *Victoria Street, Auckland*—
Brush Ware made of Bristles, Hair, Fibre Whisk, &c. The
woodwork chiefly of New Zealand growth
Made by people taught the trade within the last three years ;
26 hands, male and female, employed.
- 461—NEW ZEALAND BRUSH, BROOM AND FIBRE CO., *Dunedin*—
Brushes, Brooms, &c., manufactured from native fibre

Class 286.

- 470—AUCKLAND STEAM ROPE FACTORY, *Ponsonby, Auckland*
1 Coil White Manilla Rope, 5-in, 4 strands
1 do do do do 5-in, 3 do
1 do each 4, 3, 2½, 2, 1½, 1, ½ inch
1 do Hawser, 6-in, 4 strand
1 do do 5-in, 4 do
1 do do 4-in, 3 do
1 do do 3-in, Rope
1 parcel dressed Flax
- 471—DONACHY, MICH., Rope Manufacturer, *Dunedin*—
Manilla }
New Zealand Flax } Ropes, made by the Exhibitor

Class 288.

- 476—JENNINGS, D. H., *Motueka, Nelson*
 Nest of 3 Baskets, made of native material
 Card of Pawa Shell Ornaments

Class 294.

- 486—CLARK, ALEXANDER, *Heddon Bush Station, Southland*—
 "Stockman's Crackers," made by the Exhibitor
- 487—COOK, JAMES, *Wyndham Street, Auckland*—
 Set of Carriage Harness Furniture
 Close Plated Silver on German Silver. The Hames are
 forged wrought iron, except the Dees, which are of German
 Silver
 The rest of the Articles, except the Rosettes and Ornaments,
 are made of German Silver, moulded and cast in the
 ordinary way
 The Rosettes and Ornaments are made by means of Steel Dies,
 into which the Silver is poured and pressed by a counter-
 part
- 488—COOMBS AND SON, *Dunedin*— —
 Two Saddles. Manufactured by the Exhibitors —
- 489—HUNTER, GEORGE DAVID, *Te Awamutu, Waikato*—
 Lady's Bridle. Sewn and made by hand by the Exhibitor —

DEPARTMENT III.

Education and Science.

GROUP—EDUCATIONAL SYSTEMS, METHODS AND LIBRARIES.

Class 301.

- 500—BUCHANAN, JOHN, F.L.S., *Geological Survey Office, Wellington*—
Illustrations of Grasses and Alpine Plants of New Zealand,
drawn on stone
- 501—BURTON, JOSEPH R., Taxidermist to the Colonial Museum of
New Zealand, *Wellington*—
Specimens of Taxidermist's art
- 502—COLONIAL MUSEUM AND GEOLOGICAL SURVEY DEPARTMENT OF
NEW ZEALAND—
Director—JAMES HECTOR, C.M.G., M.D., F.R.S.,
*Collection illustrating the Geology and Natural History of New
Zealand*

[FOR PARTICULARS SEE NEW ZEALAND HAND-BOOK AND APPENDIX.]

- (1-82) Palæozoic Fossils
 (83-389) Lower Mesozoic Fossils
 (390-654) Upper Mesozoic Fossils
 (655-1211) Tertiary Fossils
 (1212-1420) Recent Mollusca
 (1421-1517) Tertiary Corals and Polyzoa
 (1518-1535) Fossil Vertebrata
 (1536-1737) Human Period
 (1738-1941) Fossil Plants
 (1942-2106) Rocks
 (2107-2147) Gold Specimens
 (2148-2391) Minerals
 (2392-2405) Coals
 (2406-2424) Crustacea
 (2425-2476) Phormium Samples
 (2477-2552) Timbers
 (2553-2559) Publications, viz. :--

Geological Reports, 1868-79
 Museum and Laboratory Reports, 1867-70
 On Phormium Tenax
 Natural History of New Zealand
 Meteorological Reports, 1868-79
 Transactions of the New Zealand Institute. Vols.
 I. to IX.
 The Grasses of New Zealand
 One Hundred Photographic Views of New Zealand
 Scenery

- (2560-2562) Models made by Dr. HECTOR—
 New Zealand Topographical
 New Zealand Geological
 Volcanic System of Ruapehu and Tongariro
 (2563-2582) Sketches of New Zealand Scenery by W. M. COOPER
 (2583) Casts of Moa Eggs and other objects
 (2584) Maps Plans and Sections, illustrating the Geology and
 Physical features of New Zealand
 (2585) Handbook of New Zealand, prepared for the Sydney
 International Exhibition, by Dr. Hector

503—ENYS, J. D., *Christchurch*—
 Three cases of Stuffed Birds

504—GORDON, WM., *Wanganui*—
 Three vegetable Caterpillars

505—HAAST, PROF. JULIUS VON, Ph.D., F.R.S., Director of the
 Canterbury Museum

Collection illustrating the Ethnology of New Zealand,
 selected from the Canterbury Museum, Christchurch

Ethnology of Pre-historic Races beyond the Australian
 Colonies. (Stone Implements). Maps and Sections

[FOR FULL DESCRIPTION OF THIS COLLECTION, SEE APPENDIX.]

- I. Pretraditional Man in New Zealand—The Moa-hunters
 A. Rakaia Encampment, Map A.
 (1-53) Flakes and Implements of Flint—Obsidian and Chert
 (54-68) Polished Implements of Chert and Melaphyre
 Found in a C ache near Rakaia
 B. Moa-Bone-Point Cave, Banks' Peninsula. Diagram B.
 (a) Sand hills near the cave
 (69-90) Stone Implements chipped from material on the spot
 (91-94) Chipped Stone Tools manufactured from broken
 polished Stone Implements
 (95-117) Chipped Stone Implements from material foreign to
 Banks' Peninsula
 (118-121) Polished Stone Implements
 (122-136) Implements chipped or in preparation for polishing,
 and Polishing Material
 (b) Moa-Bone-Point Cave

- (137-143) Stone Implements chipped from material on the spot
- (144-149) Material chipped or in preparation for polishing
- (150-168) Polished Stone Implements
Shag Point Encampment
- C. (169-200) Chipped Stone Implements
- (201-205) Implements polished or in preparation
- D. Maniototo Encampment
- (206-230) Chipped Stone Implements of Chert and Obsidian
- (231-512) Bones of Moas, &c., collected at the foregoing localities
- E. Native Implements
Manufactory, Otakaia Encampment, Otago
- (513-540) Stone Implements
- (541-559) Remains from Kitchen Middens
- F. (560-625) Polished Stone Implements and Ornaments of recent
or uncertain date
- G. Implements and Weapons of the Moriori or Chatham Islanders
- (626-631) Chipped Implements of Stone
- (632-651) Polished Stone Implements
- (652-655) Stone Knives
- H. Implements of the Solomon Islanders
- (656-660) Adzes of Stone
- J. Implements of Fijians
- (661-674) Adzes of Stone
- II. Pre-historic Stone Implements of countries beyond Australasia
- K. Palæolithic Types
- (675-791) France
- (792-808) Great Britain and Ireland
- L. Neolithic Types
- (809-818) Belgium
- (819-828) France
- (829-841) Denmark
- (842-854) Sweden and Norway
- (855-893) Swiss Lake Dwellings
- (894-912) Italy
- (913-1019) United States
- (1020-1022) Mexico
- (1023-1030) Egypt
- M. Maps, Sections and Drawings, illustrating the Ethnology of New
Zealand
- 1031 Banks' Peninsula District
- 1032 Sumner Cave
- (1033-1034) Rock Paintings—Shelter Cave, Weka Pass
- N. Photographs of Objects in Canterbury Museum, Christchurch
- 1035 Groups of Mammals
- 1036 Groups of Moa Skeletons
- 1037 Group of Birds
- 1038 Group of Mammals of the Rocky Mountains
- 1039 Group of Animals of the European Alps
- 1040 Prow of a Maori War Canoe
Skeletons of Moas

- 1041 *Dinormis maximus*
 1042 *Palapterix Elephantopus*
 1043 *Meionornis Casuarinus*

506—JENNINGS, E., *Dunedin*—

Three Stuffed Mammals (Indian Fox, Monkey and Persian Gazelle)

Six Stuffed Birds, viz. : New Zealand Falcon, Virginian Owl, New Zealand Ground Parrot, Swamp Hen, Albatross, Spotted Shag

Two specimens (Male and Female) of Trout (*Salmo Fario*), bred in the Shag River, Otago

507—ZOUCH, W. H., *Ashburton, Canterbury*—

Case of Stuffed Birds—Two Spoon-bill Ducks, one Makomoko, one Tui

Class 305.

515—SYDENHAM BOROUGH COUNCIL—

Chart of Statistics and views of Buildings in the Borough

Class 306.

525—BARRAUD, C. D., *Wellington*—

Copy of "The New Zealand Graphic"

526—COLENZO, W., F.L.S., *Napier*—

(3) New Testament, printed in Maori in New Zealand, 1837. 1st Copy of New Testament printed in Southern Hemisphere (Edition 5000 copies)

(4) Prayer Book, printed in Maori in New Zealand, 1839

(5) Early Public Papers, viz. :

(1) 1st Government Gazette, 1840

(2) 1st English Placard, 1836

(3) 1st ditto Circular, 1835

(4) 1st ditto Prospectus, 1839

(5) 1st ditto Proclamation, 1840

(6) 2nd ditto do. "

(7) 3rd ditto do. "

(8) 4th ditto do. "

(9) Treaty of Waitangi in Maori

(10) Statement from Confederate Chiefs, 1835

(6) 1st Book printed in New Zealand (epistle to Ephesians and Philippians), February, 1835

(7) 1st English Book printed in New Zealand, 1836

(8) 1st English Sermon printed in New Zealand (Bishop Selwyn), 1842

- (9) Two Maori Almanacs, 1840 and 1843
 (10) Letter from Right Hon. Viscount Goderich to the Chiefs of New Zealand
 Address from James Busby, Esq., British Resident, to the Native Chiefs (both printed in Sydney, 1833)
 (11) Account of Phormium Tenax, by J. Murray, F.S.A., F.L.S., printed on paper made from its Fibre, A.D. 1838
- All of these Books printed in New Zealand were composited by the Exhibitor, and some were written, bound and translated by him
- 527—LOGAN, JOHN, *Dunedin*—
 Files from the first Newspaper published in Otago

GROUP.—SCIENTIFIC AND PHILOSOPHICAL INSTRUMENTS AND METHODS.

Class 307.

- 535—HARGREAVES, THOS., *Nelson*—
 Model Wave Power Machine
 This Machine could be used to compress air, to drive an Air Engine, or to work the Electric Light at any Light House, or for other purposes on the sea coast. No difference would be made in the forward motion by the irregularity of the waves. With a cylinder 20-ft. in diameter and 18-ft. wave per minute, the machine would be equal to 19 horse power, and with 3 waves per minute, each 5-ft. it would give 22 horse power. It has been favourably reviewed in "The English Mechanic and World of Science" of October 22nd, 1875.
- 536—SANDERSON, JAMES, *Dunedin*—
 Level Staff for Civil Engineers and Land Surveyors
- 537—THOMSON, THOMAS, *Bluff Harbour*—
 Models of Ships' Compasses, Ships' Anchors—Wind power, Water power

Class 309.

- 550—THOMSON, THOMAS, *Bluff Harbour*—
 Method of Lifting Weights

Class 313.

560—WEST, GEORGE R., *Dunedin*—

Sample of Music, Lithographed and Printed by Thomas George, Dunedin

GROUP — ENGINEERING, ARCHITECTURE, CHARTS, MAPS, AND GRAPHIC REPRESENTATIONS.

Class 314.

570—AYERS, A., *Christchurch*—

Two views of Christchurch, with statistical information of Canterbury

571—BROWN, S., *Wellington*—

Model of Cape Farewell Lighthouse

572—DEVERELL, WALTER, *Invercargill*—

Specimens of Survey Drafting

573—GEORGE, THOS., *Dunedin*—

Plan and Soundings of Otago Harbour

574—HOLLIDAY, CAPT. J., *Wellington*—

Plan of Wellington Harbour

575—LYTTLETON HARBOUR BOARD—

Model of Lyttleton Harbour

Breakwaters.—The Breakwaters are formed of rubble stone blasted from the Quarries at Naval and Officer's Points, and deposited on the respective sites as shewn in the model—the outer slopes of both Breakwaters are protected or faced with huge blocks of stone. The Officer's Point, or Eastern Breakwater, is some 2,010 feet in length, with a width of 40 feet on top, and having an elevation of 6 feet above high water spring tide. The Naval Point Breakwater is 1,400 feet in length. The former breakwater has also a timber breastwork built along its inner face for nearly its entire length—known as the Gladstone Pier.

Water Area Enclosed.—The area of water enclosed within the Breakwaters is about 110 acres.

Dredging.—Dredging operations have been proceeding almost uninterruptedly for the past three years, during which period 756,090 cubic yards, or 1,049,725 tons of dredged material, consisting of stiff clay and mud, have been removed, at an average cost of 6½d. per cubic yard. The Dredging plant used has been a single ladder Dredge and two Steam Hopper Barges, the holding capacity of the latter being 250 tons each. The dredged material is removed by them to a distance of 3½ miles, and then deposited. The present depth of water inside the Breakwaters and at the Wharves varies from 16 feet up to 23 feet at low tide. The rise of tide being about 7 feet, vessels up to 2,700 tons can now be safely berthed at the wharves.

Moorings.—Eight sets of Mitchell's Patent Screw Moorings are laid down in the Inner Harbour, capable of holding vessels up to 2,000 tons.

Berthage Space for Vessels within the Inner Harbour, Lyttelton.—The Berthage Space at the Wharves as shewn in the model is as follows :—

Gladstone Pier	... ..	1,740 feet.
Timber Breastwork from Gladstone Pier westward to Naval Point	... ..	3,850 feet.
Jetties—Screw Pile Jetty	... ..	1,030 feet.
No. 1 Intermediate	... ..	800 feet.
No. 2	... ..	800 feet.
No. 3	... ..	800 feet.
Tunnel Mouth Jetty	... ..	440 feet.
Peacock Jetty	... ..	800 feet.
		4,670 feet.

Making a Total of 10,260 feet, which would be capable of Berthing the following number of Vessels :—

20	... ..	Ocean Ships and Steamers.
20	... ..	Barques and Brigs.
6	... ..	Intercolonial Steamers.
30	... ..	Schooners, &c.

This Berthage space is capable of very considerable extension, by the construction of additional Jetties.

Expenditure on Harbour Works in Lyttelton.—The total amount expended upon Harbour Works in Lyttelton up to the present date is £344,000, which sum includes the purchase of the Dredging Plant, and also of a powerful Steam Tug, built to the special order of the Lyttelton Harbour Board by Messrs. Laird, of Birkenhead.

Railway Lines on Wharves and Jetties.—The whole of the Wharves and Jetties in Lyttelton have lines of rails laid down upon them, and are worked by the Railway.

Graving Dock.—The Graving Dock shewn on the Model is now being tendered for, and when completed will be capable of docking a first-class ironclad. The general dimensions of the dock are as follows :—

Length on Floor	... ..	400 feet.
Width on Floor	... ..	46 feet.
Width on Top	... ..	82 feet.
Width of Entrance	... ..	62 feet.
Depth on Sill at High Water	... ..	23 feet.

Value of Imports and Exports at the Port of Lyttelton:—

The value of Imports for year ending 30th June, 1879...	... ..	£2,013,193 0 0
(Which includes large imports of Railway Material and American Harvesting Machinery)		
The value of Exports (exclusive of interprovincial exports)	... ..	£1,695,194 0 0
Total Customs Revenue at Lyttelton	... ..	£228,011 0 0
Wool Exported from Lyttelton	... ..	53,011 Bales.
Grain	... ..	52,387 Tons.

Wharfage and Port Dues, Receipts, 1878.—During the year 1878 the Wharfage and Harbour Dues in the Port of Lyttelton amounted to £29,113.

Shipping Returns, Lyttelton, for Year ending 30th June, 1879:—

	No. of Vessels.	Tonnage.
Foreign Vessels—Outwards	... 210	... 99,025
Intercolonial Vessels—Outwards	... 1,601	... 255,888
Foreign Vessels—Inwards	... 208	... 100,234
Intercolonial Vessels—Inwards	... 1,627	... 258,537

Panoramic Photograph of the Harbour of Lyttelton.—A Photographic view of the Harbour of Lyttelton accompanies the Model, and shews the works already carried out by the Lyttelton Harbour Board.

General.—The Port of Lyttelton, which is situate on the north-western side of Banks' Peninsula, having an opening to the north-east, is the chief seaport town of the Provincial District of Canterbury. This district comprises some 8,693,000 acres, a large proportion of which is fine agricultural land, intersected by lines of railway, some 400 miles in length. The population of Canterbury, by census taken in the early part of the year 1878, was 91,922.

CANTERBURY AGRICULTURAL STATISTICS FOR THE PAST FOUR YEARS :—

Year.	WHEAT.			OATS.			BARLEY.			POTATOES.		
	Acres.	Bushels.	Average Yield.	Acres.	Bushels.	Average Yield.	Acres.	Bushels.	Average Yield.	Acres.	Tons.	Average Yield.
1876	57,500	1,770,363	30 $\frac{3}{4}$	72,522	2,888,683	30 $\frac{3}{4}$	16,820	620,699	37	3,140	17,895	Tons.
1877	92,417	2,707,627	29 $\frac{3}{4}$	70,032	2,106,800	31 $\frac{1}{2}$	16,047	505,700	31 $\frac{1}{2}$	3,423	19,886	5 $\frac{3}{4}$
1878	147,197	3,399,353	23	86,728	2,396,483	27 $\frac{3}{4}$	13,757	335,733	24 $\frac{1}{2}$	4,419	26,786	6
1879	173,895	3,621,820	21	128,384	3,237,462	25	17,062	371,009	21 $\frac{1}{4}$	4,613	26,766	5 $\frac{1}{2}$

The number of Sheep now depastured within the Canterbury District is 3 $\frac{1}{2}$ millions.

Two years and a half ago the Lyttelton Harbour Board was constituted, and since that time all matters connected with the Harbour have been dealt with by the Board.

576—MACGEORGE, LESLIE DUNCAN, *Clyde, Vincent County*—
Plan of Suspension Bridge over River Clutha

577—O'CONNOR, E., C.E., *Hokitika*—
Plans and Photographs of Nelson Creek Water Race

578—ROSE, JOHN, *Dunedin*—
Model of Breakwater

Class 319.

585—SPREAT, W. W. J., *Wellington*—
Litho. Map of Otago, by the Exhibitor

GROUP.—PHYSICAL AND MORAL CONDITION OF MAN.

Class 322.

590—BURNSIDE, H., *Dunedin*—
Model of the Residence of Hon. R. Campbell, Otekaika

591—NEW ZEALAND GOVERNMENT, *Wellington*—
Maori Carved House, "Matatua," from Whakatane

DEPARTMENT IV.

Art.

GROUP.—SCULPTURE.

Class 400.

- 600—HENDERSON AND FERGUS, *Sculptors, Dunedin*—
Carving in Stone
- 601—MUNRO, GEO., *Dunedin*—
Kakanui Stone—Worked Drapery Vase
- 602—NATIVE AFFAIRS: THE HON. THE MINISTER FOR—*Wellington*—
Bust of The Late Native Chief, "Hapuku"
- 603—OAMARU STONE COMPANY (Limited)—
Carved Stone, by L. Godfrey—Subject "Duck and Pukeka,"
with ferns and creepers
- 604—THOMSON AND COMPANY, *Sculptors, Dunedin*—
Carving in Native White Marble

Class 401.

- 610—BENSEN, P., *Wellington*—
Carved Relief of Artemis (Diana)

Class 402.

- 614—DUNCAN, A. S., *Grove, Queen Charlotte Sound*—
Bronze Medal, struck in commemoration of Captain Cook
leaving England, March, 1772

Class 405.

- 616—BANCHOPE & Co, *Port Chalmers, Dunedin*—
Samples of Vases and Ornaments made from Fern Trees
- 617—HUME, J, *Dunedin*—
Carving from Native New Zealand Wood (Mika Mika)
Walking Stick
- 618—WILLIAMS, EDWARD, *Caversham, Dunedin*—
Panel of Red Pine, mounted

GROUP.—PAINTING.

Class 406.

- 621—ALLAN, ALEXANDER S., *Wellington*—
Oil Painting, Anchorage at Kapiti, Cook's Straits
- 622—BARRAUD, C. D., *Wellington*—
Two Oil Paintings—
Mitre Peak, Milford Sound
Hall's Arm
- 623—CALDER JOHN, *Thames*—
Oil Painting, "Karangahape Gorge," Ohinimuri, Thames
- 624—CHARTERS, W. W., *Christchurch*—
Oil Paintings—
1. Ship "Piako" N. Z. S. Co., (Limited)
2. " " "Otaki" " "
3. " " "Waimate" " "
4. " " "Rangitikei" " "
- 625—DRIVER, H. D., *Thames*—
Oil Painting, "Fishing Rock," Thames
- 626—GIBB, J., *Christchurch*—
Oil Paintings—
1. Godby Heads, Lyttelton
2. Milford Sound, West Coast
3. Akaroa Harbour
4. Little River, head of Lake Forsyth
5. Fishing Boats on the Estuary of the Avon
- 627—GIBB, WM., *Christchurch*—
Oil Paintings—
1. Okutu Valley, Little River
2. Beach, Akaroa
3. Bush, Little River

- 628—GIFFORD, E. A., *Oamaru*—
Oil Paintings—
Milford Sound with Mitre Peak
Sunset Glow near Oamaru
- 629—LAISHLEY, REV. R., *Thames*—
Oil Paintings—
1. Finding the Body of William Rufus in the New Forest
2. Children in the Wood
3. Maori woman with Peaches
- 630—LOGAN, H. F., *Wellington*—
Oil Painting, "Fruit" by C. Stuart *Blonde*
- 631—LUXFORD, G. H., *Wellington*—
Oil Painting of Glencoe, Isle of Arran
Native Scenery on River Wakanae *Water Colour*
- 632—MACKENZIE, GEORGE, *Dunedin*—
Four Oil Paintings by J. D. Moultrely, Edinburgh
- 633—MARTIN, ALBNI, *Auckland*—
Oil Painting, Explosion of Dynamite, Snagging Thames
River, by the Exhibitor
Frame entirely colonial, by John Leech
- 634—MCDUFF, J., *Dixon Street, Wellington*—
Heraldry Painting
- 635—NEVILLE, LOUIS, *Christchurch*—
2. View of Lake Wanaka, New Zealand
- 636—PAYTEN, MRS. C. H., *Christchurch*—
Oil Painting—
"Brazenose Peak" Akaroa
- 637—POWER, P., *Dunedin*—
Oil Paintings of Local Scenery
- 638—POWNALL, R. W., *Nelson*—
Oil Paintings—
1. Nelson Boat Harbour at Sunrise
2. Astrolabe Roadstead, Blind Bay at Evening
3. By the Wayside, Ngatimoti, Nelson
- 639—RICHMOND, HIS HONOUR, MR. JUSTICE, *Wellington*—
Oil Painting, "Lake Rotorna" by J. C. Richmond
- 640—SMITH, ROBERT FERGUS—*Dunedin*—
2 Oil Paintings of New Zealand Scenery
- 641—THOMSON, J. T., F.R.G.S., F.R.S.S.A., *Wellington*—
4 Oil Paintings
(1). Mt. Earnslaw, Otago
(2). Valley of Water of Leith
(3). Kirtle Burn
(4). Natural Bridge, Molyneux River

642—WATKINS, K., *Auckland*—

Four Oil Paintings—

1. "Winter's Morning in a Forest Clearing"
2. "Break of a North Easter"
3. Gorge of Wairakau, Whangaroa, Bay of Islands
4. Sunset from St. Paul's " "

643—WATKINS, W. M. N., *Christchurch*—

Oil Painting—"On The Morain," Mount Cook in distance

644—WILSON, SIR JOHN CRACROFT, C.B., K.C.S.I.—

Oil Painting—"Arab Horse and Groom," by Barraud

Class 407.

660—ANSTED, Mrs. F. S., *Oamaru*—

Water Colour—"Basket of Fruit"

3. "By the Way Side," Ngatimoti, Nelson

661—BARRAUD, C. D., *Wellington*—

Two Water Colours—

1. "Wet Jacket Arm," Dusky Sound
2. "Doubtful Sound"

662—BLACK, A., *Dunedin*—

Two Water Colours of Port Chalmers, by R. A. Hancock.

663—BRANDON, H. E. de B., *Wellington*—

Water Colours—

1. Hall's Arm, Smith Sound, West Coast, New Zealand
2. Near the Entrance to Milford Sound Do.
3. Milford Sound from below Fresh Water Basin
4. Moonlight in Milford Sound

664—CARTER, JOHN J., *Dunedin*—

Water Colour Drawing of New Zealand Scenery

~~665—FOX, LADY, *Rangitikei*—~~

~~Water Colour, New Zealand Shrubs and Flowers from Nature
by Miss King, Taranaki~~

666—GIFFORD, E. A., *Oamaru*—

Water Colour, "Winter's Day" Lake Pukaki, Mount Coonik
the distance

Water Colour, "Sheep Station," Ben Ohow, Mackenzie
Country

Water Colour, "Round Boulders," Moeraki Beach
Do. "Moeraki Beach and Boulders"

667—GULLY, JOHN, *Nelson*—

Water Colours—

1. ~~“Winter Sunset,” Lake Wakatipu, Otago~~
2. “Junction of Otira and Teramakau Rivers,” West Coast, South Island, New Zealand
3. “Needle Peak,” Milford Sound (Stormy)
4. “Teramakau Valley,” Early Morning
5. “Lake Pearson,” Valley of The Cass, West Coast Road (Stormy)
6. “Entrance to Otira Gorge,” Sunset
7. “Valley of the Cass,” West Coast, South Island, New Zealand (Sunset on Snow)
8. “Valley of The Wairarapa,” North Island

668—HALCOMBE, MRS. E., *Fielding, Wellington*—

Water Colour, “Lake Rhea,” Otago (by the Exhibitor)

669—HARRIS, MISS E., *Nile-street East, Nelson*—

Twenty-eight Water Colours (drawings of New Zealand wild flowers and berries)

670—HORNE, C. W., *St. George's Bay Road, Auckland*—

Water Colour “Dead Wood,” Pukekohi, Auckland
 ” “A Rough Sketch,” ” ”

671—HORNE, M. W., *Fern Bank, St. George's Road, Auckland*—

Water Colour, “Bush Clearing by Sunset”
 ” “Forest Track,” West Pukekohi, Auckland

672—HOYTE, J. C., *Dunedin*—

Four Water Colours, New Zealand Scenery

673—HUDDLESTONE, F. C., *Lake Wanaka, Dunedin*—

Five Water Colours of Scenery in the Wanaka and Hawea Lake Districts of Otago

674—KESTEVEN, DR., *Wellington*—

Sketches of Sydney and Suburbs taken 50 years ago, by Edw. Mason

675—LEEVEES, N., *Rothsay, Dunedin*—

Water Colours, Local Scenery

676—NEVILLE, L., *Christchurch*—

Five Water Colours, New Zealand Scenery

- (1). View of Port Lyttelton
- (3). ” Forty Mile Bush
- (4). ” Lake Wakatipu
- (5). ” on ”
- (6). ” on ”

677—NUTT, MISS, *Dunedin*—

Twenty-four Water Colour Designs of New Zealand Ferns from Nature

- 678 PALMER, R. G., *Foxton, Manawatu*—
Water Colour—
(1). River Scenery, West Coast
(2). Kai Warra Warra Gorge, Wellington
- 679—PHARAZYN, MRS. C., *Longwood, Featherston*—
3 Water Colours, by the Exhibitor—
(1). Picton Harbour
(2). Rimutuka Coach Road, Wairarapa
(3). Wellington Harbour
- 680—ROSCOE, MISS A., *Christchurch*—
Water Colours—
“Peal Forest,” Canterbury
- 681—STURTEVANT, E., *Newton, Auckland*—
Water Colour—
“A Creek Scene,” North Wairoa, by the Exhibitor
- 682—TIZARD, MRS. E., *Thames*—
Water Colours—
Sixteen of Native New Zealand Flowers
Four of English Lessons
- 683—WARNER, T. PARNELL, *Auckland*—
Water Colour Landscape
- 684—WATKINS, K., *Auckland*—
New Zealand Fern Trees from Nature
- 685—WILLIS, A. D., *Wanganui*—
Water Colour Painting of Rangitoto Island, Auckland, by a
crippled Maori boy

Water Colour Watkins Rock

GROUP—ENGRAVING AND LITHOGRAPHY. *Page 7*

Class 410. *Ma*

- 700—GORDON, W., *Wanganui*—
Pen and Ink Drawing, “Study Table,” by the Exhibitor
- 701—HALCOMBE, MRS. E., *Fielding, Wellington*—
Sketches of New Zea and Ferns and Forest Trees, by the late
W. Swainson, Esq., F.R.S.
- 702—PETHERICK, JUNR., JAMES, *Wellington*—
Crayon Drawing of Rotorua Hot Springs, by Sir W. Fox
- 703—SAVAGE, W., *Christchurch*—
Pen and Ink Drawing, by H. C. W. Wrigg
- 704—WRIGG, H. C. W., *Public Works Department, Wellington*—
Pen and Ink Drawing, “Leisure Hours,” by the Exhibitor

Class 411.

- 709—BURRETT, ROBERT, *Wellington*—
Specimens of Engraved Work
- 710—EDWARDS AND GREEN, *Wellington*—
Show Frames of assorted Printing
- 711—HOLMES, R. T., *Wellington*—
Steel Plate, with progressive proofs—
“Wayside Reverie,” from an Oil Painting, by Gilbert
- 712—LYON AND BLAIR, *Wellington*—
Specimens of Engraving
- 713—PROPRIETORS OF THE “LYTTELTON TIMES,” *Christchurch*—
Specimens of Engraving

Class 413.

- 720—HALCOMBE, MRS. E., *Fielding, Wellington*—
Lithographs of Manchester Block, Fielding Settlement, by
the Exhibitor
- 721—PROPRIETORS OF THE “LYTTELTON TIMES,” *Wellington*—
Specimens of Lithography
- 722—SURVEYOR GENERAL OF NEW ZEALAND, *Wellington*—
Specimens of Lithographs, by the Survey Department

Class 414.

- 730—WISE AND CO., HENRY, *Dunedin*—
Chromo-lithographs

Class 415.

- 740—BARTLETT, R. H., *Auckland*—
Photographs, Portraits, and Views
- 741—BOTHAMLEY, A. T., *Wellington*—
Photographs of Wellington City and its neighbourhood, by
the Exhibitor
- 742—BRAGGE, J., *Wellington*—
Photographs

- 743—CHAMBER OF COMMERCE, *Oamaru*—
Photographs of the Town of Oamaru
- 744—CHERRILL, N. K., *Christchurch*—
Photographs, Ceramic Enamel
 ,, Carbon, or Autotype
 ,, on Porcelain, Glass, Paper, &c.
- 745—CITY COUNCIL, *Wellington*—
32 Photographs of Public Buildings
- 746—CLIFFORD AND MORRIS, *Dunedin*—
Photographs
- 747—COLLIE, W., *Napier*—
Photographs (silver prints), Negatives taken by the Wet
Collodion Process
1. Instantaneous view in the burning Crater of White Island
 2. Sunset on Mt. Ruapehu
 3. Geyser at the top of the Petrified Terraces of Mt. Rotomahana
 4. Stalactite Formations (middle of the White Terraces of Mt. Rotomahana)
 5. Nature's Fonts on the Petrified Terraces of Rotomahana
 6. Scene of the Wairau Massacre, 1843
 7. Tongariro (volcano sometimes active)
 8. Streaks of Light on the Water, Queen Charlotte's Sound
 9. Instantaneous view of sulphur fumes from the Crater, White Island
 10. Acid Lake and Sulphur Vapours, White Island
 11. Three Maories of Ohonimutu
 12. White Petrified Terraces and Geyser at the top of Rotomahana
 13. Bottom of the Cauldron at the top of the White Terraces, Rotomahana (when empty)
 14. Steaming Upper Basins on White Terraces, Rotomahana
 15. Coral-like Formations on do. do. do.
 16. Great Geyser and Pink Terraces, Rotomahana
 17. Landing Cove, at the Crater of White Island
 18. Instantaneous view of the Chief Street, Napier (natural clouds)
 19. Stone Tree Rock at the Crater, White Island
 20. Edge of Sulphurous and Acid Lake, White Island
 21. Entrance to the Manawatu Gorge, Hawke's Bay
 22. Manawatu Gorge Bridge (with mists)
- 748—CORPORATION OF DUNEDIN—
Photographs of Dunedin and its neighbourhood
- 749—FIRE BRIGADE, *Dunedin*—
Photograph of the Members of the Dunedin Fire Brigade

- 750—FOY BROS., *Thames*—
Photographs of the Thames
- 751—GIBBS, W. B., *Wellington*—
Photographs of New Zealand Scenery
- 752—HART, CAMPBELL AND COMPANY, *Queenstown, Wakatipu*—
Photographic Views of Lake Scenery, Wakatipu District
- 753—HEMUS AND HANNA, *Auckland*—
Five Large Photographs—Sir H. Robinson, G.C.M.G.
Hon. Lady Robinson
Sir George Grey, &c.
One Case, Cabinet Photographs
- 754—HOKITIKA COMMITTEE—
Photographs of Westland Scenery—Glaciers, Snow Clad
Hills
- 755—MUNDY, D. L.—
Photographic Views of New Zealand, taken by the Exhibitor
- 756—TAITE, JOHN, *Hokitika*—
Photographs
- 757—TAYLOR, J. J., *Motueka, Nelson*—
Photographs of Natural Scenery in Nelson Province
- 758—TRAYERS, WM. THOS. LOCKE, F.L.S., *Wellington*—
Photographs of Scenes in New Zealand, by the Exhibitor
- 759—WRIGGLESWORTH AND BINNS, *Wellington*—
One case Albuminized Paper Silver Print Photographs
Cabinet and Carte-de-Visite Photographs
Mezzo Tint Portraits

Class 416.

- 780—BURTON BROS., *Dunedin*—
Photographs of New Zealand Scenery in carbon and silver

Class 417.

- 786—DEVERILL, H., *Wellington*—
Specimens of Photo.-Lithography
- 787—PROPRIETORS OF "THE LYTELTON TIMES," *Christchurch*—
Specimens of Photo.-Lithography

- 788—SURVEYOR-GENERAL OF NEW ZEALAND, *Wellington*—
Specimens of Photo.-Lithographs (printed by the Survey
Department)

GROUP—INDUSTRIAL AND ARCHITECTURAL DESIGNS, MODELS,
AND DECORATIONS.

Class 419.

- 795—LEVES AND SCOTT, *Dunedin*—
Specimen of Sign Writing
- 796—POWELL, MRS. H., *Usk Street, Oamaru*—
Picture in Wool and Silk (Huguenot)

Class 420.

- 800—LAWSON, A., *Dunedin*—
Architectural Drawings
- 801—MASON AND WALES, *Dunedin*—
Architectural Drawing
- 802—PETRE, F. W., *Dunedin*—
Architectural Drawings

GROUP—DECORATIONS WITH CERAMIC AND VITREOUS MATERIALS,
MOSAIC AND INLAID WORK.

Class 424.

- 815—LEVES AND SCOTT, *Dunedin*—
Specimens of Glass Embossing

Class 427.

- 820—COLENZO, W., F.L.S., *Napier*—
1. Ancient Asiatic Bell
2. " " " " (Framed and Glazed Plate of)
12. Paper made from Phormium Tenax, before 1838

-
- 821—CROSS, JOHN, *Hokitika*—
Poem written expressly for the Exhibition
- 822—GORDON, W., *Wanganui*—
The Lord's Prayer in Maori, illuminated in Maori Tracery,
representing Ancient Maori Carvings
Maori Grammar (1820)
Three Penny Ticket, dated River Hutt, 1845
- 823—HENRY, BRIDGET, *Kensington, Dunedin*—
Picture in Silk and Worsted Work
- 824—HISLOP, A. R., *Wellington*—
Tapestry Picture executed by Mary Queen of Scots
This has been handed from generation to generation in the
Hamilton family, by one of whom it was given 35 years
ago, to Mr. Hugh McLean, who was murdered in Aus-
tralia. It was sold by his brother, the Rev. D. McLean,
to the Exhibitor.
- 825—M'CARDELL, J. F., *Christchurch*—
Illuminated Calendar, noting the birth and death of musical
celebrities, by the Exhibitor
- 826—MILNE, A., *Wanganui*—Engraving on Glass of Racehorses
- 827—PORTER, JAS., *Waiotahi, Thames*—
Glass Decanter containing a Puzzle
- 828—WAITE, J. E., *Thames*—
China Dish (Raised Figures) 200 years old
-
-

DEPARTMENT V.

Machinery.

GROUP.—MACHINES AND TOOLS FOR WORKING METAL, WOOD,
AND STONE.

Class 514.

856—PUBLIC WORKS DEPARTMENT. THE HON. THE MINISTER OF,
New Zealand—

Variety of Forgings, viz. :—

Four Wheels

Two Axles

Seven Buffers

One Piston and Rod for Steam Hammer

Made at the Government Works, Port Chalmers

GROUP.—HYDRAULIC AND PNEUMATIC APPARATUS, PUMPING,
HOISTING AND LIFTING.

Class 552.

860—BURT, A. AND T., *Plumbers, Dunedin*—

Specimen of Pumps

Class 557.

885—BURT, A. AND T., *Plumbers, Dunedin*—

Corking Machine (complete)

Bottling Syphon

Class 558.

- 895—BURT, A. AND T., *Plumbers, Dunedin*—
 Samples of Brass and Copper Taps
 Joints and other Castings, and Plumbers Work
 Three Wall Boards with Specimens of Pipes
 Loose Samples of Large Lead Pipes

Class 576.

- 900—BURT, A. AND T., *Plumbers, Dunedin*—
 Specimen of Refrigerator

GROUP.—AERIAL, PNEUMATIC, AND WATER TRANSPORTATION.

Class 581.

- 921—GREEN, HY. THOS., *Pelichet Bay, Dunedin*—
 Sculling Outrigger Wager Skiff
- 922—LOVE, JOHN THOMPSON, *Wellington*—
 Fireproof Marine Safety Chest
- 923—LUXFORD, G. H., *Wellington*—
 Model of a Maori Canoe
- 924—NEW ZEALAND SHIPPING CO. (Limited), *Christchurch*—
 Models of Ships, viz.:—“Orari,” “Mataura,” “Opawa,”
 “Piako” “Wanganui”
- 925—UNION STEAM SHIPPING CO. OF NEW ZEALAND, *Dunedin*—
 Model of s.s. “Rotomahana,” 1700 tons, 450 horse power
 belonging to the Company
 Model of s.s. “Wakatipu,” 1796 tons, 250 horse power
 belonging to the Company

DEPARTMENT VI.

Agriculture.

GROUP.—ANIMAL PRODUCTS, LAND AND MARINE (USED AS FOOD).

Class 600.

- 934—BLAKE AND SON, CHAS., *Picton*—
 One cask Pickled Herrings, 6d. doz., cask 6s.
 Three tin boxes smoked Picton Bloaters, each 4 doz., 9d. per
 doz., boxes 1s.6d. each
- 935—INNES, WM. MARTIN, *Port Chalmers*—
 Samples of Dried Fish (Red Cod), Smoked Barracouta
- 936—M'DONALD AND MILLER, *Green Island, Dunedin*—
 Four Hams
 Six sides Bacon
 Two rolls Bacon
 Cured by the Exhibitor
- 937—MEIN, W. H., *Christchurch*—
 Samples of Preserved Meats, viz. :—Boiled and Corned Beef,
 Spiced Mutton, Corned and Boiled Mutton, Spiced Beef,
 Haricot Ox Cheek, Sheeps' Tongues, Rissoles, Brawn, Mixed
 Collops, Pigs' Feet, Turtle Soup, Oxtail, and Mock Turtle
 Soups, Ham and Chicken, Potted Tongue, Potted Beef
- 938—SHEEDY, EDWARD, *Dunedin*—
 Samples of Hams, Bacon and Rolls of Bacon
 Cured by the Exhibitor
- 939—WARBURTON, PIERS ELIOT, *Shenstone Farm, Palmerston North
 Manawatu*—
 Six Mutton Hams, average weight $7\frac{3}{4}$ lbs., salted and smoked,
 6d. per lb. over 50 lbs.
- 940—WETZEL, JOHN, *Wanganui*—
 Sample of Preserved Meat

Class 601.

- 950—BANKS, E. H., *Christchurch*—
Sample of Cheese from small Farmstead, 7½d. per lb., shipped
- 951—BLACKWOOD AND CO., *Invercargill*
Two Cheeses, made by Allan Galt
- 952—CANDY, C. B., *Christchurch*—
Three Canterbury Cheeses, 218 lbs.
- 953—GRAHAM, J. A., *Christchurch*—
Two Cheeses
- 954—KIRKLAND, WM., *Elm Grove, East Taieri*—
Two Cheeses, made by the Exhibitor
- 955—KNIGHT, CHAS., *Richmond, Nelson*—
Two new large Cheeses, made by the Exhibitor, 1st March, 1879
- 956—M'INDOE, ROBT., *Berwick, Lake Waipori*—
New Milk Cheese, made March, 1879
- 957—PATERSON AND M'LEOD, *Dunedin*—
Sample of Cheese, made in Otago
- 958—WADE, JAMES, *New Plymouth*—
Cheddar Cheese, 31 lbs. }
Gloucester „ 32 „ } 8d. lb.
Won a Prize at the Canterbury Show

Class 603.

- 970—REW, H. J. U., *Makaraka, Gisborne*—
Samples of Canned Honey, Beeswax, Mead

GROUP.—ANIMAL PRODUCTS, LAND AND MARINE (USED AS MATERIALS).

Class 604.

- 982—DOWLING, JOHN, *Hokitika*—
Two Cases of Leather (assorted), viz.:—Yearling Tweed, Yearling Wax, Calf Large Wax, Calf Small Wax, Calf Memel, Kip Wax, Kip Tweed, Black Rein, Black Harness, Brown Harness, Stirrup, Bridle

- 983—TYER, ALFRED, *Nghauranga, Wellington*—
 Two Sides Sole Leather, Tanned with Black Wattle Bark
 and Valonia
 Three Sides Kip Leather, Tanned with Black Wattle Bark
 Two do. do. do.
- 984—WALTON, HENRY, *Glen Cragie, Wellington*—
 Basils—Black Grained
 Brown Tanned
 Whites

Class 607.

- 1000—BARBER, J. AND H., *Wellington*—
 Sample of Tallow
- 1001—HATCH, JOSEPH, *Invercargill*—
 Seal Oil from South Islands, used for making soft soap and
 preserving leather work
- 1002—WARBURTON, PIERS ELIOT, *Shenstone Farm, Palmerston North,
 Manawatu*—
 Keg of pure digestive Mutton Tallow, 28s. 6d. per cwt.

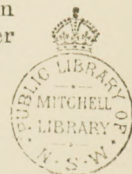
Class 609.

- 1010—BEAL, MRS. MARY, *Dunedin*—
 Ornamental work in Seaweed and Shells

GROUP.—ARBORICULTURE AND FOREST PRODUCTS.

Class 613.

- 1020—AUCKLAND HARBOUR BOARD—
 Specimens of Australian and New Zealand Timber shewing
 the action of " *Teredo navalis* "
- 1021—BAGNALL BROS., *Thames*—
 Sample Board of Kahikatea
- 1022—BECKENHAM, REV. JOHN, *Nelson*—
 Section of a Stump of Flowering Fuschia Tree grown in
 scrub near Nelson, 65 inches in circumference; larger
 specimens can be obtained



1023—HAAST, PROFESSOR JULIUS VON, PH.D., F.R.S., *Director of
Canterbury Museum—*

Timbers of Canterbury and Westland—

[FOR PARTICULARS SEE APPENDIX.]

- (2.) *Melecytus ramiflorus*
- (3.) *Pittosporum tenuifolium*
- (4.) *Olearia ilicifolia*
- (6.) *Plagianthus betulinus*
- (10.) *Elæocarpus hookerianus*
- (11.) *Pennantia corymbosa*
- (13.) *Alectryon excelsum* (Titoki)
- (15.) *Sophora tetraptera*
- (16.) *Carpodetus serratus*
- (17.) *Leptospermum ericoides* (Manuka)
- (19.) *Fuschia excorticata*
- (21.) *Panax crassifolium* (Lancewood)
- (24.) *Griselina littoralis*
- (26.) *Dodonea viscosa*
- (27.) *Myrsine urvillei*
- (29.) *Epicarpurus microphyllus*
- (33.) *Podocarpus ferruginea*
- (39.) *Libocedrus bidwilli*
- (40.) *Phyllocladus alpinus*
- (41.) *Plagianthus lyallii*
- (42.) *Dracophyllum traversii*
- (44.) *Podocarpus totara*
- (45.) *Elæocarpus dentatus*
- (46.) *Fagus fusca*
- (47.) *Aristotelia racemosa*
- (48.) *Panax colensoi*
- (49.) *Dacrydium colensoi*
- (50.) *Weinmannia racemosa*
- (51.) *Dacrydium cupressinum*
- (52.) *Panax edgerleyi*
- (53.) *Pittosporum tenuifolium*
- (54.) *Panax crassifolium*
- (55.) *Metrosideros lucida* (Rata)
- (56.) *Discaria australis*
- (57.) *Myoporum laetum*
- (58.) *Coprosma linariifolia*
- (59.) *Fuschia excorticata*
- (60.) *Panax crassifolium* (Lancewood)
- (61.) *Epicarpurus microphyllus*
- (62.) *Pennantia corymbosa*
- (63.) *Panax edgerleyi*

1024—HOKITIKA COMMITTEE—

Specimens of Timber, from Westland

- 1025—HOLDSHIP, G., *Auckland*—
Specimens of large Kauri Timber, grown in New Zealand
- 1026—ISAACS, EDWARD, *Eden Crescent, Auckland*—
Rough piece of Kauri Timber, shewing the natural formation
of Kauri Gum
- 1027—POTTS, T. H., *Christchurch*—
Cones of Forest Trees, grown in New Zealand
- 1028—ROBERTSON AND CO., J. W., *Queenstown*—
Samples of Birch Totara
15s. per 100 feet, delivered at Winton Railway Station
- 1029—TAPPER, R. AND A., *Invercargill*—
Specimens of Timber, from Southland

Class 614.

- 1040—BLAIR, W. N., *Engineer-in-Chief for the South Island, Dunedin*—
50 polished and named samples of native New Zealand Woods
- 1041—GEORGE, J. C., *Taranaki*—
Specimens of New Zealand Woods (French polished on face,
rough at back)
- 1042—GUTHRIE, ROBERT, *Dunedin*—
Thirty-one samples, polished and named, of Timbers grown
in New Zealand, chiefly in the neighbourhood of Dunedin
- 1043—HALCOMBE, A. F., *Fielding, Manawatu*—
Eight specimens of native Ornamental Woods
Table Top, shewing Totara-knot and Honeysuckle (Rewa
Rewa)
- 1044—HORNEY, JOHN, *Mount Pleasant Mills, Picton*—
Two planks of Rimu, polished
- 1045—JAMES, WM., *Wellington*—
Specimen of Ornamental Timber, known as "Totara Knot,"
very handsome when made up into furniture, and will cut
into about 30 Veneers
- 1046—NORRIE, WM., *Cabinet Maker, Auckland*—
Ornamental Timbers from New Zealand Forests
- (1.) 7 Varieties, Mottled Kauri
 - (2.) 2 Ditto, Puriri
 - (3.) 2 Ditto, Rewa Rewa
 - (4.) 1 Ditto, Ake Ake
 - (5.) 1 Ditto, Mottled Totara
 - (6.) 1 Ditto, Rihikitu
 - (7.) 1 Ditto, Rimo
 - (8.) 1 Ditto, Curly Kauri

- 1047—OTAGO MUSEUM, *Dunedin*—
Specimens of Native Timber of Otago
[FOR PARTICULARS SEE APPENDIX.]
Portion of Totara Log, worked with Stone Adzes, from
Maori Fith-weir, Shag River

Class 616.

- 1050—BAKER, JAMES E., *Wellington*—
Collection of Kauri Gum
- 1051—HULL, JUN., AND Co., *Auckland*—
Sixty lbs. Kauri Gum (ordinary market samples)
- 1052—THAMES PRODUCE COMPANY (Limited), *Thames*—
Three cases Kauri Gum

Class 619.

- 1060—POTTS, T. H., *Ohinitaki, Governor's Bay, Christchurch*—
Statistical Information of Forestry

GROUP—AGRICULTURAL PRODUCTS.

Class 623.

- 1071—ADAMS, THOS., *Gisborne*—
Sample of Maize
- 1072—ALLPORT, ALFRED, *Stoke, Nelson*—
One bushel Lord Ducie's White Wheat, grown by the Exhibitor
- 1073—ARKELL, JOHN BLENHEIM—
Sample of Malt
- 1074—BANKS, E. H., *Christchurch*—
One Bushel each Pearl Barley, Oats, Barley, Short Oats
No. 1. Pearl Barley, manufactured at the Crown Stores, from
Barley grown within a few miles of Christchurch, market
value, F.O.B. £24 per ton
No. 2. Malting Barley, a fair average sample, yields about 40
bushels per acre, grown on light soil, market value, F.O.B.
6s. per bushel
No. 3. Short Tartarian Oats, average yield 50 bushels per
acre on stiff land, market value, F.O.B., 2s. 4d. per bushel
No. 4. Tartarian Oats, yields in fair seasons about 4 tons of
Oaten Hay per acre, value £4 per ton

- 1075—BOLTON, JOSEPH, *Waimea West, Nelson*—
 One Bushel Pearl Wheat
 One ditto Oats
- 1076—BROWN, ALEXANDER, *Islay Farm, Frankton, Wakatipu*—
 Sample of Milling Wheat—50 Bushels per Acre, 4s. per Bushel
- 1077—COLL, DANIEL, *Waitohi Downs, Timaru*—
 Sample of Swilly White Wheat
- 1078—CUNNINGHAM, P. AND Co., *Christchurch*—
- | | | | |
|-----------------------------------|----------|---------|------------|
| (1.) Velvet Chaff Wheat | | | |
| (2.) Canadian Oats | | | |
| (3.) Tuscan Wheat | | | |
| (4.) Flathead Barley | | | |
| (5.) Danish Oats | | | |
| (7.) Tartarian Oats | weighing | 44-lbs. | per Bushel |
| (9.) Velvet Chaff Wheat | „ | 66½ | „ „ |
| (10.) Tuscan Wheat | „ | 68 | „ „ |
| (11.) Hunters White Wheat | „ | 65 | „ „ |
| (12.) Pearl Wheat | „ | 65 | „ „ |
| (13.) Hunters White Wheat | | | |
| (14.) White Pearl Wheat | | | |
| (15.) Seed Tartarian Oats for Hay | | | |
| (16.) Red Straw White Wheat | | | |
| (18.) Red Chaff Wheat | | | |
| (19.) Chevalier Barley | | | |
| (21.) Velvet Chaff Wheat | | | |
| (22.) Tuscan Wheat | | | |
- 1079—DAVIS, WILLIAM LOVELL, *Wakatipu Brewery, Queenstown*—
 One bushel Barley, 58 lbs. ; 60 to 70 bushels per acre ;
 grown near Spear Grass Flat. Eagerly bought at 5s. per bushel
- 1080—DODSON, HENRY, *Blenheim*—
 Sample of Malt
 Sample of Barley
- 1081—DWYER, MATHEW, *Diamond Lake Farm, Frankton, Lake Wakatipu*—
 Sample of Milling Wheat, grown 1070 feet above sea level.
 Threshed in the open air immediately after reaping, 50 bushels per acre ; second successive crop, ground not manured ; 4s. per bushel at Frankton Jetty
- 1082—FELL BROS AND Co., *Blenheim*—
 Sample of Malting Barley
- 1083—GIFFORD, ISAAC, *Spring Creek, Marlborough*—
 Sample of Barley
- 1084—GRAY, FLEMING, AND Co., *Invercargill*—
 One bushel Barley, grown and manufactured in Southland
 One „ Wheat, grown in Southland

- 1085—GUNN, ROBERT, *Miller's Flat, Wakatipu*—
One bushel Milling Wheat; 50 bushels per acre; 4s. per bushel
- 1086—HARLEY AND SONS, *Nelson*—
One bushel Malt
Four bushels of Malt, of Nelson growth and manufacture
One bushel Barley, grown by W. Nieman, Spring Grove
- 1087—HAYNES, CHARLES, *Merchant, Palmerston, Dunedin*—
One bushel of Oats
- 1088—HOLDAWAY BROS., *Richmond, Nelson*—
One bushel Spring Wheat, grown by the Exhibitors
- 1089—HOOPER AND DODSON, *Nelson*—
One bushel Malt
- 1090—JOEL, MAURICE, *Dunedin*—
Sample of Malt, from Barley grown in Otago
- 1091—LAMB, JOHN, *Waitemata Mills, Auckland*—
One bushel Wheat
- 1092—LINTOTT AND OTTERSON, *Oamaru*—
One bushel Malt, made from Barley grown in Oamaru district,
8s. to 8s. 6d. per bushel
One bushel (Malting) Barley, grown by E. Wright, Waitaki
- 1093—MAHER, JOHN, *Wairau, Blenheim*—
Sample of Wheat
- 1094—MANNING AND CO., S., *Christchurch*—
One bushel Malt
- 1095—M'BRIDE, FRANCIS, *Frankton Flat, near Queenstown, Wakatipu*—
Two bags Milling Wheat, grown at Frankton, 45 bushels per acre; third successive crop, 4s. per bushel at Frankton
- 1096—M'GILL, PETER, *Miller, Tokomairiro, Otago*—
Sample of Pearl Barley
Sample of Wheat—
(1.) Tuscan Wheat, grown at Spear Grass Flat, Teviot District, 68 lbs. to bushel
(2.) White Velvet Wheat, grown at Laurence, 1000 feet above the sea level, 66 lbs. to bushel
(3.) Red Straw Wheat, grown at Tokomairiro, 66 lbs. to bushel
One bushel of Oats, grown at Waituhuna
- 1097—M'LAREN, A., *Palmerston, Otago*—
Sample of Wheat, grown at Palmerston
- 1098—M'NAB, ALEXANDER, *Knapdale, Southland*—
One bushel Oats, grown in Southland, 3s.

1099—MEEK, J. AND T., *Oamaru*—

No. Bag.	Grower.	Average per Acre. Bushels	per Bush.	Description of Land.
1. Tuscan Wheat	Mr. Lane	35	5s.	High land
2. Purple Straw	Mr. Kircaldy... ..	35	5s.	Lowland
3. White Velvet Wheat	Mr. Stewart	45	5s.	High land, limestone formation
4. Red Straw Wheat	Mr. Fulton	35	5s.	High land
5. Barley	Mr. Wm. Meek	45	5s. 6d.	Low land, limestone formation
6. Short Oats	Mr. Orr	45	2s. 10d.	Ridgy land
7. Danish Oats	Mr. John Scott	45	2s. 8d.	ditto
8. Black Tartarian Oats	Mr. Morton	55	2s. 8d.	Lowland

1100—MURRAY, DALGLIESH, AND CO., *Invercargill*—

One bushel Wheat
One ditto Barley
One ditto Oats

1101—NEW ZEALAND AGRICULTURAL COMPANY, *Southland*—

One bushel Oats

1102—NEW ZEALAND AND AUSTRALIAN LAND COMPANY, *Pareora, Timaru*—
One bag Wheat, 66-lb. per bushel, grown on the above estate1103—NEW ZEALAND LOAN AND MERCANTILE AGENCY COMPANY, *Agents
for Growers, Oamaru*—

No. of Bag.	Grower.	Average per Acre. Bushels.	per Bush.	Kind of Land.
1. White Velvet Wheat.	Messrs. Howden and Warnoch.	50	4s. 6d.	Red loamy soil
2. Do.	Messrs Murdock and Watson ...	38	4s. 9d.	Light sandy
3. Do.	Andrew Bell ...	40	4s. 6d.	Black loamy, on lime- stone formation
4. Do. (seed) ...	John Forrester...	46	4s. 3d.	Black loamy, on lime- stone formation
5. White Tuscan Wheat	Jas. Gibson ...	30	4s. 6d.	Light loamy soil, lea ground
6. Do.	Messrs. Fleming and Hedley ...	37	4s. 6d.	Dark loamy soil
7. Red Straw Wheat ...	Messrs. C. and J. M. Todd ...	40	4s. 3d.	Black loamy, lime- stone formation
8. Chevalier Barley	Hy. Little ...	70	5s. 6d.	Do. do.
9. Do.	Mr. Jessop... ..	35	5s. 6d.	Loamy soil, clay subsoil
10. Canadian Oats	Messrs. Fleming and Hedley ...	54	2s. 6d.	Light loamy soil
11. Barley ,,	John Lewis ...	50	2s. 6d.	Black loamy, lime- stone formation
12. Danish ,,	Andrew Bell ...	52	2s. 3d.	Do. do.
13. White Velvet Wheat, as gleaned at Har- vest Time	The Hon. Mathew Holmes	wg. 66 lbs. †	4s. 6d.	Undulating land, limestone formation
14. Do.	Do.	Do.	Do.	Do.
15. Potato Oats	Do.	55 † acre.	2s. 6d.	Do.
16. White Velvet Wheat	E. Menlove, Esq.	40	4s. 6d.	Undulating land, loamy soil on lime- stone formation

- 1104—O'CONNOR, PATRICK, *Stafford Place, Waimea West, Nelson*—
Sample of Pearl Wheat
- 1105—PAUL, J. AND E., *Spring Creek, Marlborough*—
Sample of Barley
- 1106—PRINGLE, ALEXANDER C., *Timaru*—
One bushel Barley, grown on Timaru Downs
- 1107—RAMSAY, PETER, *Karamu, Hawke's Bay*—
One bushel Barley, grown on grass land; 60 lbs. Imperial bushel, 7s.
- 1108—REDWOOD BROS, *Blenheim, Marlborough*—
Sample of Oats
- 1109—REW, JOHN, *Elderslie, Dunedin*—
Sample of Wheat (one bushel)
- 1110—RICHARDSON, GEORGE FREDERICK, *Oaklands, Southland*—
One bushel White Canadian Oats, grown by the Exhibitor, 3s.
- 1111—ROYSE, STEAD AND CO, *Wairoa, Hawke's Bay*—
One bushel of Hunter's White Wheat, grown on first furrow fern land, 66 lbs. Imperial bushel, 5s.
- 1112—ROYSE, STEAD, AND Co., *Dunedin*—
Sample of Pearl Barley
 (1.) Bushel of Purple Straw Wheat
 (2.) „ White Velvet „
 (3.) „ „ „ „
 (4.) „ Canadian Oats „
 (5.) „ Short Tartarian Oats
 (6.) „ Long „ „
 (7.) „ Malting Barley
- 1113—RUNCIMAN, JAMES, *Green Island, Dunedin*—
Samples of Wheat and Oats
- 1114—RUSSELL, CAPTAIN W. R., *Karamu, Hawke's Bay*—
One bushel Barley, grown on first furrow grass land, 59 lbs. per Imperial bushel, 7s.
One bushel White Tuscan Wheat, grown as above, 67 lbs. per imperial bushel
- 1115—SURMAN AND Co., *Invercargill*—
One cask Malt, manufactured by the Exhibitors
- 1116—TOWNSHEAD, JOSEPH, *Gore, Southland*—
One bushel Oats, 3s.
- 1117—TOMBS, WILLIAM, *Papanui, Christchurch*—
Two bushels Hunter's White Wheat, grown in a 10-acre paddock, yielding 74 bushels per acre; cropped the previous year with potatoes, and 3 previous years laid with grass

- 1118—VILE, JOB, *Masterton*—
 (1.) One bushel Tuscan Wheat
 (3.) „ „ Black Tartarian Oats
- 1119—WARD AND Co., *Christchurch*—
 One bushel Malt
- 1120—WHITE, WILLIAM, *Kaikora, Hawke's Bay*—
 One bushel Wheat, 6s.
- 1121—WIGLEY, HON. T. H., *Opuka Station, County of Geraldine*—
 One bushel Wheat (Red Chaff) weighing 66 lbs. net, grown
 on the above Estate, 4s.

Class 624.

- 1140—DALZIEL, JAMES, *Blenheim*—
 Sack of Potatoes
- 1141—NEW ZEALAND AGRICULTURAL COMPANY, *Southland*—
 Two bags Potatoes

Class 626.

- 1150—ANDREW, RICHARD, *Waimea West, Nelson*—
 Sample of Hops grown in this locality, by the Exhibitor
- 1151—CHILD, SAMUEL, *Shirley, Christchurch*—
 Sample of Tomato Sauce
- 1152—CREASE, E. H., *Wellington*—
 Samples of Coffee and Spices, all manufactured and ground
 by the Exhibitor
- 1153—DURIE, WHITE, AND Co., *Dunedin*—
 Samples of Coffee and Chicory, roasted and ground by the
 Exhibitor
- 1154—GARRATT, WILLIAM THOMAS, *Wellington*—
 "Wellington Relish," Sauce for Meat, Fish, Game
- 1155—GREGG AND Co., W., *Dunedin*—
 Samples of Coffee, Pepper, Spices
- 1156—HARLEY, ALFRED, *Stoke, Nelson*—
 Sample of Hops
- 1157—HARLEY THOS. H., *Nelson*—
 Sample of Hops, season 1879, picked at the end of February
- 1158—HAWLEY, J. S., *Opawa, Canterbury*—
 Sample of Tomato Sauce

- 1159—HOLLAND, GEORGE, *Foxhill, Nelson*—
One bale of Hops, grown by the Exhibitor
- 1160—KOEFFORD, H. L., *Thames*—
Sample of Tomato Sauce
- 1161—NAIRN, DAVID, *Christchurch*—
Sample of Tomato Sauce
- 1162—NOONAN, M. J.—
Samples of Indian Sauce
Samples of Coconut Sauce
- 1163—SÆFFER, BARNETT, *Wellington*—
Samples of hand-made Cigarettes
- 1164—STRANG, DAVID, *Invercargill*—
Samples of prepared Coffee, Pepper, and Spices
- 1165—TRENT BROS., *Christchurch*—
Samples of Coffee, Colonial-grown Chicory, Spices, &c.
- 1166—WALKER, JOHN C. E., *Thames*—
Samples of genuine Tomato Sauce
- 1167—WITTY, JAMES WM., *Clyde, Wairoa, Hawke's Bay*—
Sample of Hops grown in this locality from "Goldfind Hops," third year of bine, obtained from Nelson
Samples of Hops grown in this locality from sets obtained from Messrs. Shoobridge, Tasmania, second year of bine

Class 627.

- 1180—BANKS, E. H., *Christchurch*—
Samples of Peas, Rye, Rape, Beans—
- (5.) Horse Beans, yield from 40 to 45 bushels, grown off stiff clay soil; value 4s. to 4s. 3d per bushel of 60 lbs.
 - (6.) Prussian Blue Peas, yield 30 to 35 bushels per acre, used for domestic purposes; value about 6s. per bushel of 60 lbs.
 - (7.) Partridge Peas, yield in ordinary seasons 35 to 40 bushels, up to 70 bushels in some cases; value 3s. 9d. to 4s. per bushel of 60 lbs.
 - (8.) Grey Peas, yield similar to No. 7; extensively used for hog-feeding purposes; value 3s. 6d. to 3s. 9d.
 - (9.) Rye corn, yield from 35 to 45 bushels per acre; grown principally for green feed and for straw used by collar makers; value 4s. per bushel of 54 lbs.
 - (10.) Spring Tares, yield well, very suitable for our strong land; value from 4s. to 10s. per bushel of 60 lbs.
 - (11.) Linseed or Flax, grown in stiff clay subsoil, yield about $\frac{1}{2}$ ton per acre; value £30 per ton
 - (12.) Rape Seed, yields well, and climate very suitable for rapid growth. It has been known to return £55 per acre net profit; value £56 per ton

- 1181—CUNNINGHAM AND CO., P., *Christchurch*—
 Samples of—
 (6.) Rye Grass
 (8.) Field Peas
 (17.) Peas
 (20.) Beans
- 1182—DRANSFIELD, JOE, *Wellington*—
 Samples of Grass Seed, 25 bushels
- 1183—DUNCAN AND SON, *Christchurch*—
 One sample bushel each—Grey Partridge Field Peas, Canary Seed, James Intermediate Carrot, Elvetham Long Red Mangold, Imperial Orange Globe Mangold, Cocksfoot Perennial Rye Grass, White Dutch Clover; all grown in Canterbury
- 1184—EYLES, MRS., *Richmond, Nelson*—
 Sample of Cocksfoot Grass Seed, grown by the Exhibitor; harvested in 1879
- 1185—HAYNES, CHARLES, *Merchant, Palmerston, Dunedin*—
 Sample of Perennial Rye Grass Seed
- 1186—RUSSELL, CAPTAIN, W. R., *Karamu, Hawke's Bay*—
 Sample bushel of Rye Grass Seed, 32-lbs., Imperial bushel, 8s.

GROUP—VEGETABLE PRODUCTS, USED AS FOOD OR MATERIALS.

Class 629.

- 1201—BUTEL AND COMPANY, PETER, *Arrowtown, Southland*—
 Sample of Flour
- 1202—GILMOUR ROBERT, *Wakatipu Flour Mills, Lake Hayes, Arrow Flat, Lake Country*—
 25-lbs. Silk dressed Flour (No. 3) from Wheat grown on Arrow Flat, milled by Robert Richardson, exhibitor's miller in May, 1879, 2s. 6d. per 25-lbs
 25-lbs. Oatmeal from Oats grown on Arrow Flat, milled as above, 16 April, 1879, hard dried, 5s. per 25-lbs.
 25-lbs. Oatmeal (No. 2.), milled as above, medium dried, 5s. per 25-lbs.
- 1203—GRAY, FLEMING AND COMPANY, *Invercargill*—
 Sample of Oatmeal, grown and manufactured in Southland
- 1204—HUDSON AND IRVINE, *Shag Valley Mills, Dunedin*—
 Sample of Oatmeal from Oats grown at Palmerston

- 1205—KING AND COMPANY, *Gisborne*—
Sample of Flour
- 1206—KREEPT, CAPTAIN, F. C., *Wellington*—
Sample of Flour from Wheat grown at Rangitikei, Wellington,
by J. Wolland, Koro Koro Mills
- 1207—LAMB, JOHN, *Waitemata Mills, Auckland*—
Sample of Flour, 50-lbs.
- 1208—MCBRIDE, FRANCIS, *Frankston Flat, near Queenstown, Wakatipu*—
Sample of Flour
- 1209—MCGILL, PETER, *Miller, Tokomairiro, Otago*—
Samples of Flour, made from Wheat grown at Evan's Flat,
Lawrence, (silk dressed)
Sample of Flour, made from Wheat grown at Tokomairiro
(silk dressed)
Sample of Oatmeal from Oats at Tokomairiro, (finely grown)
" " " " " (patent oatmeal)
Twelve tins Patent Groats, from Oats grown at Tokomairiro
- 1210—MEEK, J. AND T., *Wellington*—
Sample bag of Flour (100 lbs.), from New Zealand Wheat,
10s.
- 1211—MOIR AND Co., *Christchurch*—
Sample of Colonial Oatmeal
- 1212—MORISON, JOHN, *Dipton, Southland*—
Sample of Flour, from wheat grown by the Exhibitor
- 1213—REED, CHAS., *Westerfield, Ashburton*—
Sample of Flour
- 1214—ROBERTSON AND HALLENSTEIN, *Frankton, near Queenstown*—
Sample of Flour ground from Wheat exhibited by F.
McBride. Mixed Milling Wheat; £11 per ton at
Kingston
- 1215—ROYSE, STEAD AND Co., *Millers, Dunedin*—
Samples of Wheat Meal, Silk Dressed Flour, Superfine Flour,
Sharps or Pollard, Bran, Oatmeal
- 1216—RUNCIMAN, JAMES, *Green Island, Dunedin*—
Samples of Oatmeal and Flour
- 1217—VILE, JOB, *Masterton*--
Sample bag of Flour ground from Wheat, exhibited
- 1218—WOOD, W. D., *Riccarton, Christchurch*—
Samples of Best Flour Seconds, Semolinas, Sharps, Bran

Class 630.

- 1230—TIZARD, Mrs. E. F., *Thames*—
Samples of Preserved Peaches in 8-lb. McCaul's tins

Class 633.

- 1235—BINNIE, J., *Confectioner, Dunedin*—
Samples of Biscuits
- 1236—CURTIS AND Co., A., *Wellington*—
Samples of Confectionery
- 1237—GODBER, JAMES, *Cuba Street, Wellington*—
Bridal Cake
- 1238—GRANT, O. D., *Pollen Street, Thames*—
Sample of Biscuits in tins (12 varieties)
Wholesale price, 7d. per lb., delivered on board Australian vessels
- 1239—GRIFFITHS, S. S., *Wellington*—
Samples of Biscuits and Confectionery, made by the Exhibitor
- 1240—LAMB, JOHN, *Waitemata Mills, Auckland*—
Samples of Biscuits—Cabin, Saloon, Sweet, Lunch
- 1241—NEWBURY, P. J. *Dunedin*—
Samples of Biscuits
- 1242—RENTON, J. C., *Dunedin*—
Samples of Biscuits, viz.: Wine, Water, Mixed, Dessert, Picnic, Abernethy, &c.
- 1243—SCOTT, SIMON, *Manners Street, Wellington*—
Bridal Cake
- 1244—WATERS, EDWARD, *Auckland*—
Samples of assorted Confectionery, made by the Exhibitor at his Steam Factory
The Comfits are composed of sugar and flavourings, coloured with saffron and carmine
The Lozenges are made of gum arabic, sugar, and similar colouring

GROUP—WINES, SPIRITUOUS, FERMENTED, AND OTHER DRINKS.

Class 635.

- 1250—BLUNCK, DIEDRICH, *Hokitika*—
Sample of Elderberry Wine, 1 dozen

- 1251—GOUGH, ALFRED, *Thames*—
Samples of Colonial Wines
- 1252—OMEARA, MORGAN, *Queenstown, Wakatipu*—
Sample of Red Wine (Colonial), made of equal quantities of
Black Currants and Gooseberries. Three years old, 42s.
dozen. Name of wine, "Wakatipu"
- 1253—SMITH, JAMES, *New Street, Nelson*—
Fourteen samples of Fruit Wines
- 1254—TAYLOR, MRS. JANE M., *Queenstown*—
Three bottles of Wine, made from fruit grown by the Exhibitor,
6 years old, 2s. 6d. bottle
- 1255—WENDEL, J., *Symons Street, Auckland*—
Samples of Wines, (1) from "Sweetwater" and "Reisling"
grapes grown in Auckland in 1877; no alcohol, glucose,
glycerine, sugar, or colouring matter added. Price, 25s. a
dozen. 2000 gallons in stock
(2.) Same as the above, 1878 vintage, 25s. per dozen
(3.) Same as No. 2, with quinine added, and called "Quinine
Grape Wine"; 30s. per dozen

Class 636.

- 1270—CRAWFORD, W. T., *Gisborne Brewery, Poverty Bay*—
Sample of Draught Ale, XXX (Bitter), 1s. 10d. per gallon,
of Colonial Malt and Hops
Two dozen XXX Ale
Two dozen XXX Stout
- 1271—CROWN BREWERY COMPANY, *Christchurch*—
Sample of Beer, in bulk
Kilderkin of Strong Ale, 2s. per gallon, 57 lbs. Malt, $1\frac{3}{4}$ lbs.
Colonial Hops
One dozen Strong Ale, 9s. per dozen
- 1272—DAVIS, WILLIAM LOVELL, *Wakatipu Brewery, Queenstown*—
Samples of bottled Ale and Stout, 9s. per dozen
One barrel Pale Ale, XXXX }
One barrel Brown Ale, XXXX } 2s. 2d. per gallon
Brewed from Colonial products, except half the hops
- 1273—DODSON, HENRY, *Blenheim*—
Sample of Beer, in wood
- 1274—EHRENFRIED BROTHERS, *Phœnix Brewery, Thames*—
Samples of Ales and Stout—
26 gallons XXX Ale, 1s. 8d. per gallon, 80% Colonial Malt,
65% Colonial Hops
Two dozen Bottled XXX Ale ditto ditto ditto

- 28 gallons Mild Ale, 1s. 5d. per gallon, all Colonial Malt and Hops
 35 gallons (old stock), 2s. 3d. per gallon, 50% ditto
 Two dozen ditto ditto (bottled) ditto ditto
 17 gallons Porter, 1s. 8d. per gallon, all Colonial Malt, 80% Colonial Hops
 Two dozen ditto ditto
 One dozen Bitter Ale, 2s. per gallon, 70% Colonial Malt, 50 Colonial Hops
- 1275—HARLEY AND SONS, *Nelson*—
 Sample of Ale and Stout—
 Two dozen Porter
 One hhd. Mild Ale, at 2s.
- 1276—HOGG, ALEXANDER, *Thames Brewery*—
 Sample of Ale (Mild), 1s. 10d. per gallon, 25% Colonial Malt, 40% Colonial Hops
- 1277—HOOPER AND DODSON, *Nelson*—
 Samples of Ale and Stout—
 36 gallon Pale Ale, XXX, 2s. per gallon
 One dozen Stout
 Malt made and Hops grown by the Exhibitor
- 1278—INNES, FRANCIS, *Waltham, Canterbury*—
 Samples of Ale and Stout
 One Barrel Bitter Ale
 One Kilderkin Stout
- 1279—JOEL, MAURICE, *Dunedin*—
 Samples of Ale and Stout
 Excelsior Pale Ale, £5 hogshead (Colonial Malt)
 No. 1. Middle „ £6 „ (50 % Colonial Hops)
 One dozen Ale, 8s.
 One dozen Stout, 8s.
- 1280—KEAST AND MCCARTHY, *Dunedin*—
 Samples of Ales } their own Brew
 Porter }
- 1281—LINTOTT AND OTTERSON, *Oamaru*—
 Samples of Ale and Stout
 Two Kilderkins Light Pale Ale for family use. Low Alcoholic per centage. Colonial Malt, £4 hogshead
 One dozen bottled Stout for family use, from Colonial Malt, 9s. dozen
 One dozen bottled Pale Ale for family use, from Colonial Malt, 9s. dozen
- 1282—MANNING AND CO., S., *Christchurch*—
 Samples of Ale and Stout—
 Two barrels Ale (No Colonial Malt or Hops)

- One „ Stout (100 % Colonial Malt)
 One dozen each, bottled Ale and Stout
 (2.) Standard Bitter Ale, 2s. gallon, half-dozen, 9s. per dozen
 (3.) India Pale Ale, 1s. 8d. gallon, half-dozen 8s. per dozen
 XXX Porter, 2s. gallon, 1 dozen 8s. (Colonial Malt and Hops)
- 1283—MARSHALL AND COPELAND, *Dunedin*—
 Samples of Ale and Stout—
 One hhd. Pale Ale, £5, Kent and Tasmanian Hops
 One hhd. India Ale, £6, XXXX Kent Hops
 One hhd. Mild Ale, £4, Californian and Kent Hops
 One hhd. Strong Ale, £6, Kent Hops
 Four Dozen Bitter Ale, 9s., for export
 Four Dozen Stout, 9s
- 1284—MARTIN, JOHN TICE, *Invercargill*—
 Samples of Ale and Stout—
 One hhd. Pale Ale, XXXX, 2s. 2d. gallon (Mixed English and Colonial Malt and Hops)
 One hhd. Porter, XXX, 2s. gallon, (Colonial Malt, mixed Hops)
 One dozen bottled Porter
- 1285—PASCOE AND CO., *Wellington*—
 Samples of Ale and Stout—
 One quarter-cask Excelsior Bitter Ale, £5 10s. hhd., colonial Malt, and half German, half Nelson Hops
 One quarter-cask Stout, XXX, £6 6s. hhd., colonial Malt, and half German, half Nelson Hops
- 1286—ROCKEL, J. G. *Masterton*—
 Samples of Ale—
 36 Gal. Ale, brewed April, 1879
 1 Doz. Bottled Ale, brewed April, 1878
 Unfermented ale brewed by process known only to brewer, J. Gattscha. No yeast, and it is not allowed to ferment
- 1287—SHARP AND CO., J., *Nelson*—
 Samples of Ale and Stout—
 One hhd. Pale Ale
 One doz. India Ale
 One doz. Porter
 Five bushels Malt per hhd ; 8 lbs. Hops per hhd. Brewed from Colonial produce
- 1288—SPEIGHT AND CO., JAMES, *Dunedin*—
 Samples of Ale—
 One hhd. Pale Ale, branded 1, 1s. 6d. gal. } Colonial Malt,
 One do. Strong do. branded 3, 2s. gal. } 50 % Col. Hop

- 1289—STRACHAN, WM., *Victoria Brewery, Dunedin*—
 Samples of Ales—
 One barrel Pale Ale, 2s, 2d. } 4 doz. in case, at 8s.
 One barrel mild do. 1s. 6d. }
- 1290—VINCENT AND Co., *City Brewery, Christchurch*—
 Samples of Ale and Stout—
 Two kilderkins Stock Ale, 2s. 6d. gal.
 One do. Stout, 2s. 6d. gal.
 Photograph of City Brewery
- 1291—WARD AND Co., *Christchurch*—
 Samples of Ale
 One Barrel XXXX, 2s. 3d. per gallon
- 1292—WHITSON AND SON, R., *Auckland*—
 Samples of Ale
 One dozen Bottled Pale Ale, 2s. gallon
 One „ Strong Ale 3s. „
 18 gallons Pale „ 2s. „
 Brewed by the Exhibitors from Colonial Malt and Hops grown
 in Auckland
- 1293—WILLIAMS AND SON, THOS., *Picton*—
 Samples of Ale
 One Hogshead Luncheon Ale, 2s. gallon
 One „ Dinner „ 4s. „
 Three dozen „ „
 100 % Colonial Malt and Hops
- 1294—WILSON AND Co., JAMES, *Well Park Brewery, Dunedin*—
 Samples of Ale and Stout—
 One barrel Ale Ale, 1s. 6d. gallon
 Two dozen Light Ale, 8s.
 Two dozen Stout, 8s.

Class 637.

- 1310—CAREW AND Co., *Dunedin*—
 Samples of Cordials and Liquors (own manufacture)
- 1311—DIXON, GEORGE, *Wellington*—
 Samples of Ærated Waters and Cordials in case
- 1312—FERAUD, JEAN DESIRÉ, *Olyde, Vincent County*—
 Samples of Liquors and Cordials
- 1313—GOMEZ, JOSEPH, *Bulls, Rangitikei*—
 Samples of Cordials and Syrups—
 Lemon Syrup, Cloves, Peppermint
 Raspberry Vinegar, Ginger Wine and Brandy
 Orange Bitters

- 1314—GOUGH, ALFRED, *Thames*—
Sample of Cider
- 1315—MOFFETT, WILLIAM, *Invercargill*—
Sample of Cordials made by the Exhibitor

GROUP—TEXTILE SUBSTANCE OF VEGETABLE OR ANIMAL
ORIGIN.

Class 639.

- 1330—BETTANY, WILLIAM, *Nelson Steam Wool Works, Nelson*—
Three Samples of Fellmongered Wool, scoured at the Nelson
Steam Wool Works
(1.) Merino Clothing
(2.) Half Bred Carding
(3.) Leicester Combing
- 1331—BRAITHWAITE, A., *Hutt, Wellington*—
Sample of Wool, "G" Division, 6 Fleeces
Sample of Wool, "K" Division, 40 lbs.

Class 642.

- 1340—CHINNERY, CHARLES, *Christchurch*—
Sample of New Zealand Flax, dressed
- 1341—FULTON, CHARLES, *Blenheim*—
Sample of Flax *Bale*
- 1342—ROBERTSON, ALEXANDER, *Nelson*—
Sample of Phormium Tenax (New Zealand flax) dyed in
colours to show its use for manufacturing into fabrics.
Cost of dyeing 4d. per lb.
Large Specimens dressed by machinery
Small Specimens dressed by Maoris

Class 643.

- 1350—NAIRN, DAVID, *Christchurch*—
Cases of Silk from Silkworms reared in Canterbury

GROUP—MACHINES, IMPLEMENTS, AND PROCESSES OF MANU-
FACTURE.

Class 653.

- 1361—REID AND GRAY, *Dunedin*—
Reaping Machine
Double Furrow and Subsoil Plough
Set of draught Pulley Blocks, 4-horse yokes
Set 4-horse Swingle Trees

Class 654.

- 1370—REID AND GRAY, *Dunedin*—
Seed Sower

Class 658.

- 1390—ELLIS, THOMAS, *Primrose Farm, Kai Iwi, Wanganui*—
Butter Churn, manufactured by Thos. Ellis, of New Zealand
Kauri wood; will churn from 5 to 45 lbs. butter

GROUP—AGRICULTURAL, ENGINEERING, AND ADMINISTRATION.

Class 660.

- 1400—HATCH, JOSEPH, *Invercargill*—
Sample of Bone Meal

Class 662.

- 1410—WALKER, JOHN, C.E., *Thames*—
Designs for Farm Buildings

GROUP—TILLAGE AND GENERAL MANAGEMENT.

Class 666.

- 1420—HATCH, JOSEPH, *Invercargill*—
Logan Wilson's Sheep Dip, manufactured by the Exhibitor
- 1421—SLESINGER, S., *Veterinary Surgeon, Dunedin*—
Horse Medicines—
- (1.) Colic or Gripe Drink
 - (2.) Condition Powder
 - (3.) Worm "
 - (4.) Embrocation "
 - (5.) Blister Ointment
 - (6.) Grease "
 - (7.) Hoof Oil

DEPARTMENT VII.

Horticulture.

GROUP—ORNAMENTAL TREES, SHRUBS, AND FLOWERS.

Class 707.

- 1430—TAIT, JAMES, *Hokitika*—
Case of Ferns and Mosses of New Zealand

Class 709.

- 1440—ARMSTRONG, CHARLES C., *Stafford Street, Dunedin*—
Collection of New Zealand Ferns in Natural Colours (dried)
- 1441—CRAIG, ERIC, *Princes Street, Auckland*—
Large Book, containing 48 specimens of New Zealand Ferns
Small „ „ 30 „ „ „ „
Covers made of Mottled Kauri, French polished „ „
Ferns collected, dried, and mounted by the Exhibitor
- 1442—HARDY, C. A. C., *South Rakaiia*—
Dried Specimens of New Zealand Ferns
- 1443—HELMS, RICHARD, *Greymouth*—
Two Collections of New Zealand Ferns
- 1444—JEFFS, CHARLES K., *Wellington*—
Collection of Dried New Zealand Ferns and Fern Allies
- 1445—LOGAN, H. F., *Wellington*—
Collection of Dried New Zealand Ferns
- 1446—REGAN, JOHN, *Thames*—
Collection Colonial Ferns, 12 in number

- 1447—SPENCE, MRS. CHARLOTTE, *Maitland Street, Dunedin*—
Specimens of New Zealand Ferns, bleached, with skeleton
leaves
- 1448—STEWART, PETER, *Wellington*—
Collection of Dried New Zealand Ferns
- 1449—TIZARD, MRS. EDWARD, *Thames*—
Four Frames containing Collections of New Zealand Ferns
- 1450—THOMSON, J., *North East Valley, Dunedin*—
Book of New Zealand Ferns from the neighbourhood of
Dunedin

GROUP.—GARDEN DESIGNING CONSTRUCTION AND MANAGEMENT.

Class 721.

- 1470—BURT, A. AND T., *Plumbers, Dunedin*—
Two Fountain Pillars, with Jets (complete)



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