

SUPPLEMENT
TO THE
NEW ZEALAND GAZETTE

OF
THURSDAY, MARCH 15, 1894.

Published by Authority.

WELLINGTON, THURSDAY, MARCH 15, 1894.

Notice of Acceptance of Complete Specifications.

Patent Office,
Wellington, 15th March, 1894.

COMPLETE specifications relating to the under-mentioned applications for Letters Patent have been accepted, and are open to public inspection at this office. Any person may, at any time within two months from the date of this *Gazette*, give me notice in writing, in duplicate, of opposition to the grant of any such patent, stating in such notice the particular grounds of his objection. A fee of 10s. is payable with such notice:—

No. 6166.—1st May, 1893.—GEORGE MCHATTIE, of Palmerston, Otago, New Zealand, Farm-servant. An invention for rabbit-trap, to be called "The End Coil Spring Trap." (Specification, 3s. 6d.; drawings, 10s.)*

No. 6208.—29th May, 1893.—JOHN GREENSLADE, of Prebbleton, Canterbury, New Zealand, Engineer. An invention for improvements in threshing- and clover-shelling and -dressing machines. (Specification, 11s.; drawings, £1 5s.)*

No. 6212.—29th May, 1893.—HERBERT GARDINER, of Irwell, Canterbury, New Zealand, Threshing-machine Proprietor. An invention for an improved arrangement of clover-sheller and -dresser. (Specification, 5s.; drawings, 15s.)*

No. 6226.—9th June, 1893.—GEORGE W. STEVENS, of San Francisco, California, United States of America, Manufacturer. An invention for fruit-carrier. (Specification, 10s. 6d.; drawings, 10s.)*

No. 6373.—19th August, 1893.—WILLIAM JOHN HARVEY, of Newton, Auckland, New Zealand, Salvation Army Captain. An invention for "Improved S. A. triplet gas-burner." (Specification, 3s.; drawings, 3s.)*

No. 6577.—18th December, 1893.—JOHN UNWIN ASKHAM, of Yorkshire Steel and Engineering Works, Sheffield, England, Engineer. An invention for improvements in apparatus for separating substances of different sizes or specific gravities. (Specification, 7s.; drawings, 10s.)

No. 6578.—18th December, 1893.—JOHN UNWIN ASKHAM, of Yorkshire Steel and Engineering Works, Sheffield, England, Engineer. An invention for improvements in apparatus for grinding, crushing, pulverizing or disintegrating. (Specification, 7s. 6d.; drawings, 17s. 6d.)

No. 6658.—6th February, 1894.—ALBERT DAWSON, of Mittagong, New South Wales, Storekeeper. An invention for improvements in the construction of candlesticks. (Specification, 2s. 6d.; drawings, 3s.)

No. 6681.—24th January, 1894.—ROBERT HENRY AUSTIN, of Gore, Otago, New Zealand, Painter and Plumber. An invention for improvements in the hanging of window-sashes, to be worked without weights, to be called "Austin's Chain Sash-hanger." (Specification, 4s.; drawing, 5s.)

No. 6682.—14th February, 1894.—EDWIN CUTHBERT, of Avonside, Christchurch, New Zealand, a Member of the Institution of Civil Engineers. An invention for an improved disconnecting gully-trap. (Specification, 2s. 6d.; drawings, 5s.)

No. 6693.—27th February, 1894.—ADAM BEANEY, GEORGE BEANEY, and HENRY BEANEY, all of Auckland, New Zealand, Engineers. An invention for improvements in field-rollers and the like. (Specification, 4s. 6d.)

No. 6695.—27th February, 1894.—DAVID NICOLSON, of King Street, Dunedin, New Zealand, Wire-drawer and Wire-mattress Maker. An invention for weaving a three- and five-ply wire mattress, to be called "Nicolson's Combination Wire Mattress, Number One." (Specification, 2s.; drawing, 5s.)

No. 6696.—27th February, 1894.—GEORGINA BARNES, wife of George Barnes, Teacher of Singing, of Esk Street, Invercargill, New Zealand. An invention for "The Novel Book Protector." (Specification, 3s.; drawing, 5s.)

No. 6697.—27th February, 1894.—ROBERT YARROW, of Wanganui, New Zealand, Butcher. An invention for an improvement in water-closet cisterns, and gear relating to automatic flushing apparatus. (Specification, 3s. 6d.; drawings, 7s. 6d.)

No. 6699.—3rd March, 1894.—HENRY GODSIFF, of Manaroa, Pelorus Sound, New Zealand, Settler. An invention entitled "Godsiff's Process of tanning New Zealand Flax or Hemp." (Specification, 1s. 6d.)

No. 6700.—5th March, 1894.—THOMAS HEADLY STACKHOUSE, of 129, South Fourth Street, Philadelphia, United States of America, Clerk. An invention for reciprocating machine for printing from stencils. (Specification, £1 12s. 6d.; drawings, £2 10s.)

No. 6703.—6th March, 1894.—JAMES CRAWLEY, of Wanganui, New Zealand, farmer. An invention for improvements in wire-strainers. (Specification, 5s. 6d.; drawings, 5s.)

No. 6705.—3rd March, 1894.—DAVID NICOLSON, of King Street, Dunedin, New Zealand, Wire-drawer and Wire-mattress maker. An invention entitled "Nicolson's Spiral Wire-woven Floor-cloths for Kilns and Drying-rooms." (Specification, 2s.; drawing, 3s.)

No. 6706.—8th March, 1894.—ALEXANDER ROBERT HISLOP; Commission Agent, JOSEPH SLATER, Gentleman, and ALFRED

ALEXANDER, Clerk, trading as "Hislop and Co.," of Wellington, New Zealand. An invention for a new or improved advertising-ruler. (Specification, 1s.)

No. 6707.—8th March, 1894.—JAMES CRAWLEY, of Wanganui, New Zealand, Farmer. An invention for an improved wire-strainer. (Specification, 5s. 6d.; drawings, 5s.)

No. 6714.—10th March, 1894.—RALPH MACINTOSH MACDONALD, of Christchurch, New Zealand, Engineer. An invention for improvements in tram-car wheels. (Specification, 3s. 6d.; drawings, 5s.)

No. 6717.—13th March, 1894.—HUGH DIXSON, trading as "Dixson and Sons," of Park and Elizabeth Streets, Sydney, New South Wales, Tobacco- and Cigarette-manufacturer. An invention for improvements in crimping devices for cigarette-machines. (Specification, £1 1s.; drawings, £1 15s.)

No. 6718.—12th March, 1894.—JOHN HEMPSTALK, of Lyttelton, New Zealand, Shipwright. An invention for a new or improved belt or band-fastener. (Specification, 3s.; drawings, 3s.)

No. 6719.—12th March, 1894.—CHARLES WALKDEN, of Christchurch, New Zealand, City Surveyor. An invention for a new or improved machine for sweeping, lifting, and discharging the mud off roads into a cart. (Specification, 7s.; drawings, 12s. 6d.)

F. WALDEGRAVE,
Deputy-Registrar.

NOTE.—The cost of transcribing the specification and an estimate of the amount required for copying the drawings have been inserted after the notice of each application. Any order for a copy or copies should be accompanied by a post-office order or postal notes for the cost of copying.

An asterisk (*) denotes the complete specification of an invention for which a provisional specification has been already lodged.

The date of acceptance of each application is given after the number.

Provisional Specifications.

Patent Office,
Wellington, 15th March, 1894.

APPLICATIONS for Letters Patent, with provisional specifications, have been accepted as under:—

No. 6663.—8th February, 1894.—EDWARD WALKER, Builder, and JAMES HENDERSON, Engineer, both of Sandon, New Zealand. An invention for a concrete post for wire fencing.

No. 6698.—2nd March, 1894.—DAVID HILL PATTIE, of Blenheim, New Zealand, Commission Agent. An invention for an improvement on the present doors, household and others.

No. 6701.—1st March, 1894.—GEORGE TUCKER, of Karangahape Road, Auckland, New Zealand, Venetian-blind Maker and Wireworker. An invention entitled "The President Churn," for butter-making and other such purposes.

No. 6704.—7th March, 1894.—JOHN ALEXANDER MCGEOCH, of No. 454, Collins Street, Melbourne, Victoria, Farmer. An invention for improvements in mould-boards for ploughs.

No. 6710.—9th March, 1894.—WILLIAM OFFICER, of Mount Talbot, near Balmoral, Victoria, Sheep-farmer. An invention for an improved pocket wire-strainer for straining wire between the posts.

No. 6711.—10th March, 1894.—WILLIAM REEVES, of Masterton, New Zealand, Body-maker. An invention for improvements in vehicle-brakes.

No. 6713.—10th March, 1894.—JOSEPH TRAIN, of Ayrshire House, Albert Road, Albert Park, near Melbourne, Victoria, Manufacturer. An invention for improvements in the construction of panoramic scenes and method of and apparatus for producing the same.

F. WALDEGRAVE,
Deputy-Registrar.

NOTE.—Provisional specifications cannot be inspected, or their contents made known by this office in any way, until the complete specifications in connection therewith have been accepted.

The date of acceptance of each application is given after the number.

Letters Patent sealed.

LIST of Letters Patent sealed from the 2nd March, 1894, to the 15th March, 1894, inclusive:—

No. 5611.—J. Walsh, chamber and appliances for drying wool (J. Johnson and J. Vicars).

No. 5769.—D. R. S. Gabraith and P. Lanigan, extraction of gold and silver.

No. 5942.—W. T. Mack, telephone index.

No. 5952.—W. McKeegan, refrigerating machinery.

No. 5963.—F. W. Page, fencing-staple.

No. 5997.—J. T. Kelly and J. Perry, raising sunken vessels.

No. 6014.—H. Cave, destroying rabbits in burrows.

No. 6123.—W. H. Finlayson, earth-excavators.

No. 6527.—T. Ely and J. Mallett, seats.

No. 6541.—H. Thomson, cover for fire-plugs.

No. 6552.—J. B. Meldrum, B. E. Sampson, and W. F. Woods, kilns for seasoning timber.

No. 6559.—G. Eastwood, production of stereotyping matrices.

No. 6563.—J. A. Wheeler, maintaining a constant pressure in aerated-liquid vessels.

No. 6571.—E. Seitz and R. P. Park, centrifugal pumps.

F. WALDEGRAVE,
Deputy-Registrar.

Letters Patent lapsed.

LIST of Letters Patent lapsed from the 2nd March, 1894, to the 15th March, 1894, inclusive:—

Through non-payment of renewal-fee of £7, under "The Patents Act, 1883":—

No. 3410.—W. Crookes, treatment of auriferous ores.

No. 3412.—E. J. Rigby, hoisting and winding (C. A. and N. P. Otis).

No. 3414.—I. Button, E. Peters, and J. W. Goodsell, kilns for bricks, &c.

No. 3415.—N. Bryett, ear-drum (G. N. Bryett and A. D. Munro).

No. 3417.—A. S. Searle, speaking-tubes (H. A. Cutmore).

No. 3421.—F. A. Reihlen, beverages.

No. 3422.—F. de J. Clere, walling.

No. 3423.—D. B. Bate, quartz-mill.

No. 3424.—J. McCarthy, iron.

No. 3427.—H. Hunt, potato-planter.

No. 3428.—W. Roberts, candlestick.

No. 3429.—S. D. Egan, motor-power.

No. 3431.—F. S. Köhler and L. Keyling, shot.

No. 3436.—J. S. Stinear, burglary alarm.

No. 3437.—W. Barraclough, E. C. Davies, and C. A. Wylie, displaying printed effects.

No. 3439.—W. H. Wells, raising cream, &c.

No. 3440.—D. J. McGauran, telegraphy.

No. 3441.—M. Ferguson, coupling pipes.

No. 3442.—E. Waters, knotting apparatus for harvesters (R. Hornsby and Sons, Limited).

No. 3443.—G. T. Evans, railway axle-boxes and lubricators.

No. 3444.—C. Ewen, wire-strainer.

No. 3446.—W. S. de L. Roberts and J. S. Mollison, electric generator.

Through non-payment of fee of £5 for second term, under "The Patents, Designs, and Trade-marks Act, 1889":—

No. 4101.—T. K. Steanes, manufacture of gas.

No. 4104.—The Universal Compositor Company (Limited), self-justifying type (W. Wynne, J. R. Topliss, and J. A. Kay).

No. 4105.—A. L. Blackman, hydraulic compress.

No. 4106.—D. H. Valantine, delivering prepaid goods (S. Praschl).

No. 4112.—D. Whitburn, keys.

No. 4113.—T. O. Turnbull, tattooing of sheep.

No. 4114.—T. Kelly, filter.

No. 4121.—J. T. Wynne and A. C. Morrison, gas-meter.

No. 4128.—R. Cockerell, cog for belts of dredgers.

F. WALDEGRAVE,
Deputy-Registrar.

Further Fees paid.

LETTERS Patent on which the further fees have been paid (the dates of payment are noted at the end):—

Renewal-fee under "The Patents Act, 1883":—

No. 3593.—R. M. Crosbie, flax-strippers. 9th March, 1894.

Fees for second term under "The Patents, Designs, and Trade-marks Act, 1889":—

No. 4093.—Golden Gate Manufacturing Company, faucets and bushings (M. Anthony). 28th February, 1894.

No. 4289.—W. Kendall, hammer. 8th March, 1894.

F. WALDEGRAVE,
Deputy-Registrar.

Subsequent Proprietors of Letters Patent registered.

SUBSEQUENT proprietors of Letters Patent registered (the names of the original proprietors are given in brackets, and the dates of registration at the end):—

No. 4093.—Golden Gate Manufacturing Company, faucets and bushings. [M. Anthony.] 28th February, 1894.

No. 4234.—Thomas Wells, wire-strainer. [C. Ewen.] 5th March, 1894. *License.*

No. 4517.—The Chloride Electrical Storage Syndicate (Limited), electric secondary cells. [A. M. F. Laurentcey and I. A. Timmis.] 1st March, 1894.

No. 5000.—Patrick Galvin, butter-churn. [R. E. Eveden.] 9th March, 1894.

F. WALDEGRAVE,
Deputy-Registrar.

Applications for Letters Patent lapsed.

LIST of applications for Letters Patent (with which complete specifications have been lodged) lapsed from the 2nd March, 1894, to the 15th March, 1894, inclusive:—

No. 5747.—D. A. Douglas, thermo-electric annunciator.

No. 5764.—J. Walsh, churn.

No. 5765.—T. Bassett, fine-gold-saving machine.

No. 5767.—J. and P. Walker, milk-cans.

No. 5770.—T. H. Davidson, jun., quartz-crusher.

F. WALDEGRAVE,
Deputy-Registrar.

Design registered.

NO. 21.—9th March, 1894.—WILLIAM WRIGHT, of Great King Street, Dunedin, New Zealand, Baker.
Class No. 12.

F. WALDEGRAVE,
Deputy-Registrar.

Application for Registration of Trade-mark withdrawn.

IT is hereby notified that the under-mentioned application (particulars of which were advertised in the supplement to the *New Zealand Gazette* No. 13, of 15th February last), has been withdrawn:—

No. 1049.—Charles Warne ("Fort").

F. WALDEGRAVE,
Deputy-Registrar.

Applications for Registration of Trade-marks.

Patent Office,
Wellington, 15th March, 1894:

APPPLICATIONS for registration of the following trade-marks have been received. Notice of opposition to the registration of any of them can be lodged at this office within two months of the date of this *Gazette*. Such notice must be in duplicate, and accompanied by a fee of £1.

(No. 1059.)

17th February, 1894.



The essential particular of this trade-mark is the word and figure "No. 1"; and the applicants disclaim any right to the exclusive use of the added matter.

DIXON AND SONS, of the Conqueror Tobacco Works, Park and Elizabeth Streets, Sydney, New South Wales.

Tobacco, cigars, and cigarettes. Class No. 45.

(No. 1069.)

7th March, 1894.

The letters or initials

J. D.

The applicant claims to have used this trade-mark in respect of the under-mentioned article for eight years.

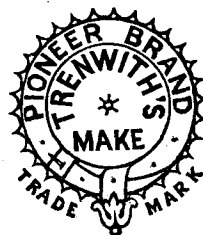
JOHN DUXBURY, of Robinson's Bay, Canterbury, New Zealand, Dairy-farmer.

Cheese.

Class No. 42.

(No. 1073.)

10th March, 1894.



The essential particulars of this trade-mark are the device and the word "Pioneer"; and the applicant disclaims any right to the exclusive use of the words "Brand," "Make," and "Trade-mark."

JOHN TRENWITH, of Wakefield Street, Auckland, New Zealand, Boot-manufacturer.

Boots and shoes.

Class No. 38.

(No. 1075.)

12th March, 1894.

The letters or initials

W. M.

The applicant claims to have used this trade-mark in respect of the under-mentioned article for the past seven years.

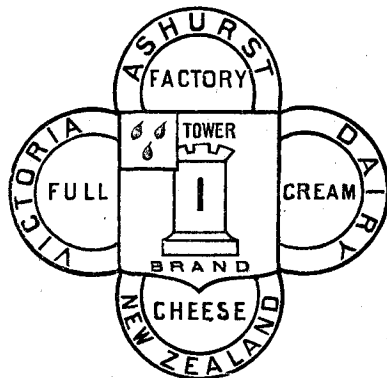
WILLIAM MORGAN, of Robinson's Bay, near Akaroa, New Zealand.

Cheese.

Class No. 42.

(No. 1076.)

13th March, 1894.



The essential particulars of this trade-mark are the general device and the word "Tower"; and the applicant disclaims any right to the exclusive use of the added matter, except his address.

CHARLES WARNE, of Victoria Dairy-factory, Ashurst, New Zealand, Cheese-maker.

Cheese.

Class No. 42.

F. WALDEGRAVE,
Deputy-Registrar.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1893.

Name, Residence, and Invention.	No.	Date.
Acme Batten Syndicate, The, and another, Auckland, N.Z. Fixing corrugated iron on structures	6531	8 Nov.
Adams, F. N., and another, Christchurch, N.Z. Bicycle chain-gear case	6346	9 Aug.
Adams, W., Tuapeka, Otago, N.Z. Relief-block for hydraulic elevators	5399	16 Jan.
Adams, W. J., jun., Broken Hill, N.S.W. Explosives. (F. J. Spence)	6353	14 Aug.
Affleck, T., Albury, N.S.W. Preservation of meat, &c.	6456	29 Sept.
Aitken, R. M., Reefton, N.Z. Extraction of gold and silver	6361	17 Aug.
Aitken, R. M., Reefton, N.Z. Extraction or precipitation of gold and silver	6415	11 Sept.
Akester, W. H., Fulham, Eng. Electric arc lamps	6182	12 May.
Alexander, W., Caversham, N.Z. Washing-machine	6246	14 June.
Alexander, W. J., Devonport, Auckland, N.Z. Straining and attaching wire mattresses	6242	12 June.
Allan, A., Cross Creek, Wellington, N.Z. Brake for vehicles	6407	7 Sept.
Allen, G., Masterton, N.Z. Combination ladder and steps	6221	5 June.
Allen, G., Masterton, N.Z. Combination sofa and bath	6481	14 Oct.
Altham, G. J., Swansea, Mass., U.S.A. Steam turbines	6230	9 June.
Alves, J., Melbourne, Vic. Ventilating and preventing entrance of draughts into windows, &c., of vehicles and ships	6299	19 July.
Anderson, N., Addington, N.Z. Heating milk or cream	6284	7 July.
Anderson, G., and another, Christchurch, N.Z. Finger can-opener	6558	1 Dec.
Anderson, J., Wellington, N.Z. Surveyors' measuring-bands	6194	20 May.
Anderson, J., Dunedin, N.Z. Discharge-pipe for milk, &c., tanks	6367	15 Aug.
Anderson, J. R., and another, Birmingham, Wellington, N.Z. Ear-marking sheep, &c.	6045	15 Feb.
Anderson, J. R., and another, Birmingham, Wellington, N.Z. Ear-marking sheep, &c.	6136	17 April.
Andrews, J. A., Renwick, Marlborough, N.Z. Signal windmill	6289	12 July.
Andrews, W., and another, Christchurch, N.Z. Clover threshing and shelling machines	6171	6 May.
Andrews, W., and another, Christchurch, N.Z. Husking, drawing, or shelling clover-seeds &c.	6487	17 Oct.
Andrews, W., and another, Christchurch, N.Z. Threshing-machines	6507	23 Oct.
Angell, M., Dunedin, N.Z. Hat, &c., suspender	6389	26 Aug.
Anschutz, O., Berlin, Germany. (See E. Waters, No. 6140.)		
Ansdcombe, W. H., Devonport, Auckland, N.Z. Paint	6214	1 June.
Armstrong, W., Wanganui, N.Z. Wire-strainer	6263	23 June.
Armstrong, W., Wanganui, N.Z. Water-spreader	6530	8 Nov.
Arthur, A., Hyde, Otago, N.Z. Rabbit-trap	6457	25 Sept.
Ascough, J., Handsworth, Eng. Manufacture of washing-soda, &c.	6091	16 March.
Ashby, F., Mount Brown Flat, Amberley, N.Z. Gates	6085	14 March.
Ashworth, H., Wadestown, Wellington, N.Z. Clothes-peg	6068	28 Feb.
Ashham, J. U., Sheffield, Eng. Separating substances of different sizes, &c.	6577	18 Dec.
Askham, J. U., Sheffield, Eng. Grinding, crushing, pulverising, or disintegrating	6578	18 Dec.
Atkin, E. R., Auckland, N.Z. Hind seats of buggies, &c.	6286	6 July.
Atwater, A. W., and another, Montreal, Canada. Heat-deflector. (C. A. Couch)	6179	12 May.
Austin, T. H., Dunedin, N.Z. Valves	6320	25 July.
Austin, T. R. L., Talbot, Vic. Amalgamator	6001	19 Jan.
Ayers, E., Sydney, N.S.W. Operating clocks synchronously	6448	25 Sept.
Baker, E. B., Cleveland, Queensland. Lubricating axles of railway rolling-stock	6255	23 June.
Bammann, R., Berlin, Germany. Composition for production of marble-like plaster	6452	29 Sept.
Banton, M., Christchurch, N.Z. Combined hygienic commode and slop-pail	6522	3 Nov.
Barnes, J. E. L., and another, Liverpool, England. Sealing cans, &c.	6298	17 July.
Barningham, S., Dunedin, N.Z. Ventilators	6313	22 July.
Barton, E. L'E., Hawera, N.Z. Billiard cushions	6371	21 Aug.
Battson, F., Thames, N.Z. Beating eggs	6437	14 Sept.
Bayne, W., Whangarei, N.Z. Pads or protectors for upholstery-springs	6544	13 Nov.
Beanovitch, M., Opotiki, Auckland, N.Z. Horse-collars	6128	5 April.
Beanovitch, M., Opotiki, Auckland, N.Z. Pack-saddle	6129	5 April.
Beaven, A. W., and another, Christchurch, N.Z. Clover threshing and shelling machines	6171	6 May.
Beaven, A. W., and another, Christchurch, N.Z. Husking, drawing, or shelling clover, &c., seeds	6487	17 Oct.
Beaven, A. W., and another, Christchurch, N.Z. Threshing-machines	6507	23 Oct.
Beckwith, J. E., Christchurch, N.Z. Convertible tandem bicycle	6154	26 April.
Bedell, H. G., and another, Wellington, N.Z. Ball-cock valve	6022	3 Feb.
Bedell, H. G., and another, Wellington, N.Z. Ventilating-cowl	6023	3 Feb.
Bedell, H. G., Wellington, N.Z. Ball-cock	6138	17 April.
Beekman, G., New York, U.S.A. Harvesting-machines	6055	20 Feb.
Beer, E. H., Wellington, N.Z. Water-motor	6387	28 Aug.
Belk, J., Feilding, N.Z. Brake for four-wheeled road-vehicles	6073	4 March.
Belk, J., and another, Feilding, N.Z. Ear-marking sheep, &c.	6136	17 April.
Belk, M., and another, Palmerston North, N.Z. Preventing locomotives, &c., leaving the rails	6132	14 April.
Bennett, G. H., and others, Richmond, Vic. Regulating water-pressure for sanitary, &c., purposes	6336	5 Aug.
Bennet, T., and another, Dunedin, N.Z. Mangles	6553	20 Nov.
Bennet, W., and another, Dunedin, N.Z. Mangles	6553	20 Nov.
Best, D., San Leandro, Cal., U.S.A. Gas engines and motors	5995	16 Jan.
Bickerton, A. A., Christchurch, N.Z. Fireworks	6005	18 Jan.
Billings, A. W., Brooklyn, U.S.A. Manufacturing beer and ale	6224	9 June.
Billings, A. W., Brooklyn, U.S.A. Manufacture of malt-liquors	6225	9 June.
Bingham, H., Wellington, N.Z. Combustion of fuel and smoke	6197	22 May.
Birkinshaw, W. K., Quarndon, Derby, Eng. Picks and other tools	6125	6 April.
Blakeman, W. N., jun., Mount Vernon, N.Y., U.S.A. Treating fatty and other oils	6191	20 May.
Blakeman, W. N., jun., Mount Vernon, N.Y., U.S.A. Making and treating pigments and paints	6192	20 May.
Blakeman, W. N., jun., Mount Vernon, N.Y., U.S.A. Thickening oils	6193	20 May.
Block, L., New York, U.S.A. Refrigerating apparatus	6064	27 Feb.
Boden, J. S., Maclean, N.S.W. Feed-water heater	6362	17 Aug.
Bohls, H., San Francisco, U.S.A. (See A. and G. Cameron, No. 6127.)		
Bolton, G., Oamaru, N.Z. Crank-pin or journal lubricator	6134	15 April.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1893—continued.

Name, Residence, and Invention.	No.	Date.
Boon, J. K., and another, Linwood, Christchurch, N.Z. Preventing rattling of windows in vehicles, &c.	6267	29 June.
Boon, J. K., and another, Christchurch, N.Z. Two-wheeled brougham hansom-cab	6463	2 Oct.
Booth, G. T., and another, Sydenham, N.Z. Husking maize or Indian corn	6015	31 Jan.
Bounty, J. H., Blenheim, N.Z. Tallying-machine	6566	8 Dec.
Bowen, J., and others, Broken Hill, N.S.W. Treatment of gold- and silver-ores	6590	21 Dec.
Bowen, W. D., and others, Broken Hill, N.S.W. Treatment of gold- and silver-ores	6590	21 Dec.
Bowie, D., Wellington, N.Z. Revolving duster, cleaner, and blower	6416	12 Sept.
Bowmar, G. Charlton, Gore, N.Z. Winding-gear on traction-engines	6151	24 April.
Bowmar, G. Charlton, Gore, N.Z. Differential gearing on traction-engines	6163	3 May.
Bowmar, G. Charlton, Gore, N.Z. Disengaging-gear on traction-engines	6272	1 July.
Bowser, G. M., Brisbane, Queensland. Moulding and dressing stone	6039	9 Feb.
Box, H., South Dunedin, N.Z. Brake for two-wheeled vehicles	6342	9 Aug.
Brace, Windle, Blyth, and Co. (Limited), Walsall, Eng. Saddles. (J. Trees)	6391	31 Aug.
Bradbury, F. J., and another, Woodville, N.Z. Trapping rabbits	6324	1 Aug.
Brechin, R. M., Dunedin, N.Z. Grip strength-testing machine	5987	9 Jan.
Brechin, R. M., Dunedin, N.Z. Advertising	6052	16 Feb.
Brechin, R. M., Wellington, N.Z. Effecting insurance by coin-freed mechanism	6145	22 April.
Bringham, F. J., San Francisco, U.S.A. Manufacture of seamless leather articles	6465	7 Oct.
Brodziak, L. M., Sydney, N.S.W. Form of policy for insurance against accident	6098	20 March.
Brough, J., East Taieri, N.Z., Removing wind, &c., from throats of cows, &c.	6528	6 Nov.
Brough, J. R., and another, London, Eng. Roll-paper holder and printing mechanism	6524	8 Nov.
Brown, A. J. P., and another, London, Eng. Roll-paper holder and printing mechanism	6524	8 Nov.
Brown, F., Auckland, N.Z. Altitude-regulator and holdfast for music, &c., stools	6189	17 May.
Brown, McF., Gap, Winton, N.Z. Drain-sock	6359	12 Aug.
Brünler, O., Eutritzsch, Leipzig, Germany. Heating steam-boilers	6053	20 Feb.
Bryant, H. W., and others, Williamstown, Vic. Regulating water-pressure for sanitary, &c., purposes	6336	5 Aug.
Bryce, T. A., Kiwitea, Wellington, N.Z. Feed-trough for sheep	6233	15 June.
Bryce, T. A., Kiwitea, Wellington, N.Z. Tonic and vermifuge for sheep	6237	15 June.
Bryce, T. A., Kiwitea, Wellington, N.Z. Drench for sheep	6233	10 July.
Budge, H. F., and others, Reefton, N.Z. Extracting gold and silver from sands, &c.	6489	19 Oct.
Bull, F., and another, Napier, N.Z. Utilising heat from table-lamps	6308	24 July.
Bull, J. H., and another, Napier, N.Z. Utilising heat from table-lamps	6308	24 July.
Burge, S., and another, Harrow Road, Middlesex, Eng. (See The Simplex Mineral-water Aerator Syndicate, Limited, No. 6587.)		
Burgon, C., and another, Malin Bridge, Sheffield, Eng. Shearing sheep, &c.	5975	4 Jan.
Burgon, H., and another, Malin Bridge, Sheffield, Eng. Shearing sheep, &c.	5975	4 Jan.
Burns, J., Melbourne, Vic. Fastening T-squares to drawing-boards	6051	17 Feb.
Butler, W. H., Brooklyn, U.S.A. (See E. Waters, No. 6254.)		
Callaghan, J., and others, Brisbane, Queensland. Amalgamators	6455	29 Sept.
Cameron, A., and another, Richmond, Va., U.S.A. Cigarette-machines. (H. Bohls)	6127	7 April.
Cameron, A., and others, Sydney, N.S.W. Flushing apparatus for urinals, &c.	6441	23 Sept.
Cameron, G., and another, Petersburg, Va., U.S.A. Cigarette-machines. (H. Bohls)	6127	7 April.
Cameron, K., Warracknabeal, Vic. Car-coupling	6584	21 Dec.
Campbell, M. S., Papanui, Canterbury, N.Z. Pressing and preserving green fodder in sacks	6543	11 Nov.
Cannon, W. J., Lincoln, Eng. Dipping oxen, sheep, &c.	6509	28 Oct.
Carandini, V., Melbourne, Vic. Portfolio advertising ticket, card, or pass	6183	15 May.
Carder, G., and others, Ponsonby, Auckland, N.Z. Kerb- and channel-tiles	6238	11 July.
Carder, W., and others, Ponsonby, Auckland, N.Z. Kerb- and channel-tiles	6238	11 July.
Carey, R. O. E., Longburn, Wellington, N.Z. Press for wool, &c.	5996	16 Jan.
Carr, A. W., Brentford, Eng. Tobacco-pipes	6160	2 May.
Carter, R. H., Birmingham, Wellington, N.Z. Slasher	6472	12 Oct.
Cave, H., Windsor, Melbourne, Vic. Destroying rabbits in burrows	6014	30 Jan.
Caverhill, W. J., Auckland, N.Z. Branding frozen meat	6196	18 May.
Chambers, E. E., Lyttelton, N.Z. Venetian blind	6461	3 Oct.
Channon, J. Beaconsfield, Concord, Sydney, N.S.W. Amalgamating-machine	5977	4 Jan.
Channon, J., and another, Sydney, N.S.W. Rabbit-exterminator	6135	17 April.
Channon, J. Beaconsfield, Concord, Sydney, N.S.W. Concentrator, usable as an amalgamator and concentrator	6372	22 Aug.
Chapman, J. A., Dunedin, N.Z. Causing an increased draught in grates, &c.	6220	30 May.
Chapman, J. A., Dunedin, N.Z. Causing an increased draught in grates, &c.	6266	26 June.
Choate, P. C., N.Y., U.S.A. Producing metallic zinc	6054	20 Feb.
Church, W. C., Brixton, Eng. Steam, &c., engines	6297	17 July.
Clark, W., and others, Sydney, N.S.W. Flushing-apparatus for urinals, &c.	6441	23 Sept.
Clerc, F. de J., Wellington, N.Z. Pivot-step and hinge for doors, &c.	6435	18 Sept.
Clifton, H. de. (See under D.)		
Clinkard, C. H., Makarau, Auckland, N.Z. Survey-peg	6567	4 Dec.
Coates, W., Wellington, N.Z. Music-leaf turnover	6175	10 May.
Coates, W., Wellington, N.Z. Music-leaf turnover	6474	12 Oct.
Cock, F. W. C., Walcot, Bath, Eng. (See The Valveless Gas-engine Syndicate, Limited, No. 6570.)		
Cockerell, R., Palmerston, Otago, N.Z. Tree- and stump-extracting, &c.	6276	3 July.
Cockerell, R., Palmerston, Otago, N.Z. Discs for draining, channelling, cultivating, &c.	6277	3 July.
Cole, W., London, Eng. Fluid-motor	6575	14 Dec.
Coleman, J. V., San Francisco, U.S.A. Adjustable partitions for trunks, &c.	6585	21 Dec.
Collett, S., and another, Gore, Otago, N.Z. Rabbit-traps	6430	16 Sept.
Colley, J., Camberwell, Vic. Action-retaining mechanism of small-arms	6511	30 Oct.
Collie, W., Dunedin, N.Z. Combination mopping, mop wring, and scrubbing device. (T. Hardcastle)	6234	12 June.
Condon, R., Mosgiel, Otago, N.Z. Fang-holder	6312	22 July.
Connolly, M., and another, Masterton, N.Z. Wool-presses	6302	20 July.
Connolly, M. P., and another, Masterton, N.Z. Foot-rot paste	6120	5 April.
Cook, G., and another, London, Eng. Automatically displaying advertisements, &c.	6099	22 March.
Cooper, F., Christchurch, N.Z. Bicycle	6360	15 Aug.
Cooze, C. J., Carterton, N.Z. Stump-extractor	6392	31 Aug.
Cooze, C. J., Carterton, N.Z. Window-sashes	6393	31 Aug.
Cooze, C. J., Carterton, N.Z. Fire-escape	6394	31 Aug.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1898—continued.

Name, Residence, and Invention.	No.	Date.
Copeland, D. W., Syracuse, N.Y., U.S.A. Roller-bearings	6243	17 June.
Copeland, J., Brunswick Line, Wanganui, N.Z. Wire-strainer	6168	3 May.
Corbett, F. J., East Melbourne, Vic. (See Lysaght Brothers and Co., Limited, No. 6155.)		
Cornwell, J., Drury, Auckland, N.Z. Flax-scatcher	6535	20 Oct.
Corrick, H., Christchurch, N.Z. Shoe, with detachable straps	6131	11 April.
Corrick, H., Christchurch, N.Z. Shoe or boot	6399	31 Aug.
Corrick, H., Christchurch, N.Z. Gloss for tan boots and shoes	6485	16 Oct.
Corrie, L. G., Brisbane, Queensland. Material for packing fruit, &c.	6273	4 July.
Couch, C. A., Columbus, Ohio, U.S.A. (See A. W. Atwater and J. F. Mackie, No. 6179.)		
Coventry, J., Wellington, N.Z. Index for telephone subscribers, &c.	6215	2 June.
Cowley, A., Auckland, N.Z. Manufacture of bread	6554	22 Nov.
Craig, W., Auckland, N.Z. Ventilator	6011	24 Jan.
Craigie, R., and another, Henley, Otago, N.Z. Purifying milk	6024	31 Jan.
Crawford, J. T., Warton, Canada. (See E. Waters, No. 6572.)		
Crawford, W. W., Dunedin, N.Z. Butter-dryer	6074	2 March.
Crawford, W. W., Dunedin, N.Z. Recovering constituents of suintate of potash, or yolk of sheep's wool, when in solution	6075	2 March.
Crawley, J., Wanganui, N.Z. Wire-strainer	6318	28 July.
Crisp, H., Ballarat, Vic. (See F. W. and H. N. Niven, No. 6159.)		
Crispin, R. F., Motueka, Nelson, N.Z. Saw-setter and stripper	6010	27 Jan.
Crook, F., and another, Christchurch, N.Z. Husking maize or Indian corn	6015	31 Jan.
Cullen, W., and another, Masterton, N.Z. Chair and steps combined	6202	26 May.
Cuming, A. J., Wellington, N.Z. Compensating for expansion and contraction of wire used in railway signalling	6447	25 Sept.
Curties, W. W., and another, Christchurch, N.Z. Bicycle chain-gear case	6346	9 Aug.
Curtis, J., Addington, N.Z. Seed- or grain-separator	6591	20 Dec.
Dalgleish, G., Oamaru, N.Z. Cutting notches for studs in timber plates, &c.	6464	2 Oct.
Dalziel, J., Fernside, Canterbury, N.Z. Wire-strainer	6327	3 Aug.
Danks, A. T., and another, Melbourne, Vic. Milking-machines	6322	31 July.
Danks, A. T., and another, Melbourne, Vic. Milking-machines	6411	11 Sept.
Danks, B. S., Wellington, N.Z. Door-mat	6223	8 June.
Danks, T., Christchurch, N.Z. Bib-tap	6471	9 Oct.
Davies, J., South Dunedin, N.Z. Lapping crank-pins	6341	9 Aug.
Davies, J., South Dunedin, N.Z. Boring apparatus	6550	23 Nov.
Davies, J. L., Chipstead, Eng. Printing in colours	6525	8 Nov.
Davis, F. H., St. George, Queensland. (See G. G. Turri, No. 6337.)		
Dawson, B., Dunedin, N.Z. Labels for frozen meat, &c.	6076	2 March.
Dawson, H. T., Salcombe, Eng. Gas-engines	6187	15 May.
De Clifton, H., Woodville, N.Z. Stump-extractor and hauling apparatus	6041	9 Feb.
De Laval, C. G. P., Stockholm, Sweden. Steam or gas turbine-wheels	6538	11 Nov.
De Laval, C. G. P., Stockholm, Sweden. Supporting rotating bodies	6586	21 Dec.
Denny, J., and another, Dunedin, N.Z. Governor for marine engines	6434	18 Sept.
Devereux, W. R., Dunsandel, Canterbury, N.Z. Knee-protector	5990	11 Jan.
Dixon, G., and others, Bolton, Eng. Steam-engines	6453	29 Sept.
Dixson, H., Sydney, N.S.W. Making cigarette-holders. (W. N. Kernot)	5976	4 Jan.
Dixson, H., Sydney, N.S.W. Tobacco-spraying machines	6079	6 March.
Doak, J. G., Fernside, Canterbury, N.Z. Wheel-axle and bush for ploughs, &c.	6328	3 Aug.
Doak, J. G., Fernside, Canterbury, N.Z. Agricultural drill	6340	9 Aug.
Dodgshun, N., Wellington, N.Z. Pattern satchel for tailors, &c.	6519	3 Nov.
Don, J., Dunedin, N.Z. Gold-saving appliance	6117	28 March.
Donald, D., Masterton, N.Z. Wool-press	6378	24 Aug.
Donald, D., Masterton. Double eccentric lever	6379	24 Aug.
Doughty, T. H., Christchurch, N.Z. Woven-wire fabric for mattresses, &c.	6433	16 Sept.
Douglas, D. A., Blenheim, N.Z. Envelopes	6488	18 Oct.
Drummond, J., Kirwee, Canterbury, N.Z. Weed-eradicator	6366	19 Aug.
Dryden, F., Wellington, N.Z. Bath	6547	20 Nov.
Duncan, D., and another, Christchurch, N.Z. Grubber	6060	22 Feb.
Duncan, D., and another, Christchurch, N.Z. Grubber-share	6077	4 Mar.
Duncan, D., and another, Christchurch, N.Z. Manure-drills	6204	27 May.
Duncan, E., and others, Williamstown, Vic. Regulating water-pressure for sanitary, &c., purposes	6336	5 Aug.
Duncan, J. D., and another, Riwaka, Nelson, N.Z. Hop- and wool-press	6468	9 Oct.
Duncan, J. H. H., London, Eng. Manufacture of butter	6300	17 July.
Duncan, P., and another, Christchurch, N.Z. Grubber	6060	22 Feb.
Duncan, P., and another, Christchurch, N.Z. Grubber-share	6077	4 Mar.
Duncan, P., and another, Christchurch, N.Z. Manure-drills	6204	27 May.
Dunkerley, B., and another, Glenorohy, Tasmania. Dressing furs	6153	1 May.
Dunlop, H., and another, Rookwood, N.S.W. Rabbit-exterminator	6135	17 April.
Dupont-Dennis G., Nantes, France. Preserving dried vegetables	6104	25 Mar.
Durio, G., and another, Fortino, Turin, Italy. Tanning hides and skins	6413	11 Sept.
Durio, S., and another, Fortino, Turin, Italy. Tanning hides and skins	6413	11 Sept.
Easton, R., Morningside, Dunedin, N.Z. Flax-dresser	6070	23 Feb.
Eastwood, G., Mount Pleasant, Norwich, and London, Eng. Production of matrices for stereotyping	6559	4 Dec.
Eddowes, W., and another, Thames, N.Z. Amalgamation of gold and silver	6072	25 Feb.
Eddowes, W., and another, Thames, N.Z. Leaching- and filtering-machine	6444	19 Sept.
Eden, G. J., Dunedin, N.Z. Embrocation for wounds in horses, &c.	6133	12 April.
Edmond, W. F., Dunedin, N.Z. Rabbit-trap	6307	20 July.
Edwards, F. A., and others, Broken Hill, N.S.W. Treatment of gold- and silver-ores	6590	21 Dec.
Edwards, T., Ballarat, Victoria. Application of chlorine for extraction of gold	6425	15 Sept.
Eldred, J., Christchurch, N.Z. Sweeping chimneys or flues	6092	15 Mar.
Electrical Wonder Company (Limited), The, London, Eng. (See E. Waters, No. 6140.—O. Anschutz.)		
Elliot, J., Hastings, N.Z. Drenching sheep	6451	28 Sept.
Ellis, C. J., and another, Glasgow, Scotland. Extraction of gold and silver	6396	1 Sept.
Ellison, J. C., and others, Brisbane, Queensland. Amalgamators	6455	29 Sept.
Ely, T., and another, Peckham, London, Eng. Seats	6527	10 Nov.
Errington, W., Melbourne, Vic. (See T. Livingston, No. 6332.)		
Evans, A., Masterton, N.Z. Combination windmill	6290	12 July.
Evans, A., Masterton, N.Z. Windmill-head	6375	23 Aug.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1893—continued.

Name, Residence, and Invention.	No.	Date.
Evans, G. S., Elsternwick, Vic. Gripping a rope or cable by means of rollers or sheaves ..	6210	30 May.
Evans, J. P., Wade, Auckland, N.Z. Atmospheric milk-pan	6031	2 Feb.
Evans, J. P., Wade, Auckland, N.Z. Prospecting-pan	6032	2 Feb.
Evans, J. P., Wade, Auckland, N.Z. Dairy-bucket	6319	27 July.
Evans, R., and another, Kaiapoi, N.Z. Composition for preserving butter	6050	14 Feb.
Evelyn-Liardet, W., Elsternwick, Vic. Explosive	6454	29 Sept.
Evenden, R. E., North Coburg, Vic. (See P. Galvin, No. 6354.)		
Ewing, W. A., Dunedin, N.Z. Churn	6143	18 April.
Fail, A., West Clive, Hawke's Bay, N.Z. Combined tap and spile	6303	21 July.
Farquhar, G., jun., and another, Peckham, Eng. Preserving eggs	5980	4 Jan.
Featon, J., Auckland, N.Z. Mine-ventilator	6270	1 July.
Felton, T. W., Addington, N.Z. Tube-plate hole-cutter	6232	9 June.
Ferguson, R., Moonee Ponds, Vic. Milking-machines	6057	23 Feb.
Ferguson, R., and another, Melbourne, Vic. Milking-machines	6322	31 July.
Ferguson, R., and another, Melbourne, Vic. Milking-machines	6411	11 Sept.
Fergusson, F. D., and another, Makotuku, Hawke's Bay, N.Z. Lifting apparatus for sack-barrows	6062	24 Feb.
Fergusson, F. D., Makotuku, Hawke's Bay, N.Z. Combined bottle and stopper	6105	25 March.
Fergusson, F. D., Kariaotahi, Waiuku, Auckland, N.Z. Suspender for garments, &c.	6574	13 Dec.
Field, E., and others, London, Eng. Steam-engines	6453	29 Sept.
Field, H. M., Wellington, N.Z. Storing and delivering coin	6265	28 June.
Field, H. M., Wellington, N.Z. Ticket or coupon for passengers	6305	21 July.
Finlayson, W. H., Sydney, N.S.W. Earth-excavators	6123	6 April.
Firth, T., Wellington, N.Z. Stopping vehicles	6162	3 May.
Fisher, D., Glasgow, Scotland. Folding box	6006	20 Jan.
Fisher, T. L., and another, Hawthorn, Vic. Rotary engine	6257	24 June.
Fletcher, W., Mount Albert, Auckland, N.Z. Reins	6480	11 Oct.
Flood, E. J., Arrowtown, N.Z. Rabbit-trap	6111	21 March.
Flood, E. J., Arrowtown, N.Z. Holding and feeding poisoned grain	6153	25 April.
Flood, E. J., Arrowtown, N.Z. Extracting rabbits, &c., from warrens, &c.	6363	17 Aug.
Ford, A. S., and another, Mangatainoka, N.Z. Steam-whistle	6094	18 March.
Ford, A. S., Wanganui, N.Z. Water-filters	6581	18 Dec.
Ford, M. Paddington, Sydney, N.S.W. Sheep-shearing machines	6207	29 May.
Fraser, J., and another, Christchurch, N.Z. Windmill	5998	16 Jan.
Fraser, J. C., Coromandel, Auckland, N.Z. Battery overflow and screen or grating substitute	6248	15 June.
Fraser, R. H., Dunedin, N.Z. Gas-kilns	6261	26 June.
Friend, J. E., Gawler, South Australia. (See J. Martin, No. 5993.)		
Gager, T., Christchurch, N.Z. Galvanic belts	5991	11 Jan.
Galbraith, D. R. S., Auckland, N.Z. Beer treatment	6269	1 July.
Galopin, H., and another, Melbourne, Vic. Sash-fastener	6090	16 March.
Galvin, P., Yea, Vic. Churns. (R. E. Evenden)	6354	14 Aug.
Gane, F. J., Ohaupo, N.Z. Backband attachment for plough- and leading-harness	6065	24 Feb.
Gardiner, H., Irwell, N.Z. Clover sheller and dresser	6212	29 May.
Garrett, W. J., Kaikoura, N.Z. Fibre-washer	6083	10 March.
Gartner, A., Newark, N.J., U.S.A. Gum-moisteners	6185	15 May.
Gascoigne, J. R., Birkenhead, Auckland, N.Z. Pruning-shears	5984	5 Jan.
Gaze, W. H., Westport, N.Z. Leaching gold-ores	6144	20 April.
Gee, G. F., and another, Islington, Canterbury, N.Z. Finger can-opener	6558	1 Dec.
Giblin, N. F., Sydney, N.S.W. Door- or floor-mat	5974	4 Jan.
Giblin, N. F., Sydney, N.S.W. Door- or floor-mat. (A. Spool)	6096	20 March.
Gilberd, H. J., Palmerston North, N.Z. Treating or preparing New Zealand flax	6579	18 Dec.
Giles, F., South Yarra, Vic. Appliance for use in connection with trace-hooks	6035	7 Feb.
Giles, W. H., and another, Wellington, N.Z. Soap	6370	21 Aug.
Gillett, F., and another, Palmerston North, N.Z. Preventing locomotives, &c., leaving the rails	6132	14 April.
Given, A., and another, Dunedin, N.Z. Expanding pulley	6203	22 May.
Glass, B., North Melbourne, Vic. Indiarubber waterproof garments	6596	29 Dec.
Gold, F., Richmond, Vic. Nail for corrugated iron	5982	4 Jan.
Gooding, C., New Cross Road, Kent, Eng. Coffins	6037	9 Feb.
Gordon, A., and another, London, Eng. Artificial fuel	6229	9 June.
Gordon, J. H., and another, Adelaide, S. Australia. Dry-malting	6141	19 April.
Gosden, R., London, Eng. Hip-baths	6000	19 Jan.
Grant, A. J., Ongaonga, Hawke's Bay, N.Z. Wire strainer and splicer	6008	25 Jan.
Gray, J. S., Dunedin, N.Z. Luminous clock- and watch-faces	6056	13 Feb.
Greenshields, W., Auckland, N.Z. Plant-protector	6274	5 July.
Greenslade, J., Prebbleton, Canterbury, N.Z. Threshing and clover shelling and dressing machines	6208	29 May.
Greenslade, J., Prebbleton, Canterbury, N.Z. Clover-shellers	6247	17 June.
Greenslade, J., Prebbleton, Canterbury, N.Z. Threshing, shelling, and dressing clover-seed	6314	25 July.
Gregg, J., and others, Elsternwick, Vic. Vapour lamps	5994	13 Jan.
Guillaume, T., Cologne, Germany. Electric cables	6244	17 June.
Guthrie, W., Invercargill, N.Z. Combined agricultural drill	6442	18 Sept.
Guthrie, W., Invercargill, N.Z. Stirrers for boxes of manure-distributors	6562	29 Nov.
Hamilton, F. G., Brisbane, Queensland. Tent. (R. A. Hamilton)	6331	5 Aug.
Hamilton, R. A., Brisbane, Queensland. (See F. G. Hamilton, No. 6331.)		
Hamilton, R. A., Brisbane, Queensland. Diving-dresses	6426	15 Sept.
Hamilton, R. M., and another, Wellington, N.Z. Ball-cock valve	6022	3 Feb.
Hamilton, R. M., and another, Wellington, N.Z. Ventilating-cowl	6023	3 Feb.
Hamilton, W. H., White's Bay, Marlborough, N.Z. Storage batteries	6380	25 Aug.
Hamilton, W. H., White's Bay, Marlborough, N.Z. Coal galvanic or voltaic batteries	6381	25 Aug.
Hamley, S., Auckland, N.Z. Opening oysters	6510	25 Oct.
Hamlin, G., Napier, N.Z. Saddle-cloths	6402	31 Aug.
Hamlin, G., and another, Napier, N.Z. Ball-bearings for shafts, axles, and wheels	6439	19 Sept.
Hamlin, R., and another, Napier, N.Z. Ball-bearings for shafts, axles, and wheels	6439	19 Sept.
Hanneborg, O. B. H., Urskoug, Norway. Ditching and tile-laying machine	6186	15 May.
Hardcastle, T., Northcote, Vic. (See W. Collie, No. 6234.)		
Harrison, J., Kimihia, Waikato, N.Z. Fastening rails to sleepers	6458	25 Sept.
Hartley, D., Masterton, N.Z. Adjusting weight in dog-carts	6282	10 July.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1893—continued.

Name, Residence, and Invention.	No.	Date.
Hartnett, J., and another, Oakleigh, Vic. Milking-machines	6089	16 March.
Hartnett, J., and another, East Malvern, Vic. Milking-machines	6438	20 Sept.
Harvey, W. J., Auckland, N.Z. Triplet gas-burner	6373	19 Aug.
Haskin, S. E., Avoca, N.Y., U.S.A. Vulcanising wood	6043	11 Feb.
Hawkins, J. E., and another, Invercargill, N.Z. Weed-eradicator	6084	8 March.
Hay, W., Masterton, N.Z. Grass-seed cleaner	6172	9 May.
Hay, W., Masterton, N.Z. Cleaning and dressing grass-seed	6264	28 June.
Haycock, T., Richmond, Nelson, N.Z. Making felting, &c., from pulp of New Zealand flax	6526	8 Nov.
Healy, W., and another, Invercargill, N.Z. Rake	6100	21 March.
Hedger, F. E., St. Leonard's, Otago, N.Z. Brand for frozen meat, &c.	6110	21 March.
Hempstalk, J., Lyttelton, N.Z. Recording- and tallying-jack	6503	21 Oct.
Henderson, J., and another, Wellington, N.Z. Soap	6370	21 Aug.
Henry, M., Palmerston N., N.Z. Gate for cattle-pens, &c.	6355	15 Aug.
Henry, M., Palmerston N., N.Z. Live-stock sale-yard	6358	16 Aug.
Herman, H., Sydney, N.S.W. Apparatus for sanitary disinfection, &c.	6588	21 Dec.
Herman, H., Sydney, N.S.W. Operating atomizers	6589	21 Dec.
Hislop, A. R., Wellington, N.Z. Advertising ruler	6173	9 May.
Hislop, A. R., Wellington, N.Z. Advertising paste-roller	6293	14 July.
Hobson, A. H., London, Eng. Production of non-alcoholic ale or beer	6252	23 June.
Hodge, W., and another, Timaru, N.Z. Hook for harness, &c.	6233	10 June.
Holloway, E. G., and another, Wellington, N.Z. Marking carcasses of sheep, &c.	6275	5 July.
Holmes, W. A., and others, Parkville, Vic. Vapour-lamps	5994	13 Jan.
Horne, J. D., Westbury, Tasmania. Extermination of rabbits	6333	5 Aug.
Hornhauer, T., Maungatapiri, Whangarei, N.Z. Extracting aluminium	6213	1 June.
Horstmann, G. C., and others, Brisbane, Queensland. Amalgamators	6455	29 Sept.
Hosking, W. H., Masterton, N.Z. Carriage-lamp	6344	10 Aug.
Hovell, H. K., North Shore, Auckland, N.Z. Trunk or chest	5988	9 Jan.
Howard, L. E., Plainfield, N.J., U.S.A. Electric arc lamps	6479	14 Oct.
Howard, W. A., Brisbane, Queensland. Amalgamator	6095	20 March.
Howe, W. A., Carlton, Or., U.S.A. Earth-augers. (B. Lane)	6412	11 Sept.
Howell, J., Hamilton South, N.Z. Seed-sowing and harrowing attachment for double-furrow plough	5985	4 Jan.
Howes, A. A., and another, Lyttelton, N.Z. Composition for preserving butter	6050	14 Feb.
Hughes, E., and others, South Melbourne, Vic. Combined rotary crushing, pulverising, and ore-amalgamating machines	6178	12 May.
Hughes, E., and others, South Melbourne, Vic. Combined amalgamator, concentrator, and separator	6251	23 June.
Hunt, J., Waimate, Canterbury, N.Z. Friction-roller for chaffcutter-elevator	6205	29 May.
Hunt, J., Waimate, Canterbury, N.Z. Dust-protector for chaffcutter roller-gearing box	6206	29 May.
Hunter, G. K., Dunedin, N.Z. Deodorising and utilising night-soil	6258	21 June.
Hurd, F., Wakefield, Yorkshire, and St. Peter's Park, Middlesex, Eng. Coal-cutting machine	6532	11 Nov.
Hurd, F., Wakefield, Yorkshire, and St. Peter's Park, Middlesex, Eng. Electro-motors or generators	6533	11 Nov.
Hutchison, R., Cowlairs, Lanark, Scotland. Forming compounds with gutta-percha and rubber	6594	29 Dec.
Idiens, A. C., Addington, N.Z. Hay-press	6306	20 July.
Innes, J., and another, Invercargill, N.Z. Rake	6100	21 March.
Jackson, A. G., and another, Brisbane, Queensland. Coin-freed electrical shocking-machines	6418	14 Sept.
Jaeger, T. Bismarck, Germany. Manhole for chimneys, &c.	6317	28 July.
James, A., Wellington, N.Z. Hanging window-sashes	6040	9 Feb.
Jenkinson, R., jun., Auckland, N.Z. Construction of concrete and iron for building	6081	4 March.
Johns, J. T., Mangerè Bridge, Auckland, N.Z. Evaporating-pan	6467	4 Oct.
Jones, E., Sydenham, N.Z. Brake for road vehicles	6093	18 March.
Jones, L. M., and another, Toronto, Canada. (See Massey, Harris, and Co., Limited, No. 6121.)		
Jones, L. M., and another, Toronto, Canada. (See Massey, Harris, and Co., Limited, No. 6122.)		
Jones, W. H., Onehunga, N.Z. Manufacturing wrought-iron from iron-sand or iron-ore	6420	11 Sept.
Jones, W. R. S., Ajmere, Rajputana, India. Central buffers for railway, &c., vehicles	5983	4 Jan.
Journax, St. C., and another, Wellington, N.Z. Knife-cleaner	6449	26 Sept.
Journax, W., and another, Wellington, N.Z. Knife-cleaner	6449	26 Sept.
Kain, J. D., and another, Stockport, Eng. Dressing fur	6158	1 May.
Karsten, A., and another, Nelson, N.Z. Balsam for mankind, horses, and cattle	6568	8 Dec.
Kepler, D., and another, Mannheim, Germany. Enamelling bottoms of cooking-vessels	6316	28 July.
Keir, J., and another, Ashburton, N.Z. Windmill	5998	16 Jan.
Kelland, R., and another, Timaru, N.Z. Wire-fencing standard	6445	21 Sept.
Kelly, J. T., and another, North Fitzroy, Vic. Raising sunken vessels	5997	16 Jan.
Kernot, W. N., Melbourne, Vic. (See H. Dixson, No. 5976.)		
Kerr, H., Tauranga, N.Z. Removable tire	6504	24 Oct.
Keyte, R., Whangarei, N.Z. Attachable sliding and folding cot-bedstead	6459	25 Sept.
King, O. A., and others, Lake Geneva, Wis., U.S.A. Ore-concentrators	5978	4 Jan.
King, O. A., and others, Lake Geneva, Wis., U.S.A. Ore-concentrators	5979	4 Jan.
Kingdon, J., Cambridge West, N.Z. Protecting axles of ploughs, &c., from dust, earth, &c.	6256	21 June.
Kinniburgh, J. W., Wellington, N.Z. Telephone-receiver attachment	6377	24 Aug.
Kirby, J. S., Blenheim, N.Z. Seat-adjuster for vehicles	6546	20 Nov.
Kirk, C., and others, North Sydney, N.S.W. Flushing-apparatus for urinals, &c.	6441	23 Sept.
Kitton, H. E., West Melbourne, Vic. Gold and heavy metal saver and concentrator	6250	23 June.
Knight, J. I., Auckland, N.Z. Saddles	6026	28 Jan.
Knowles, G., Melbourne, Vic. Ventilating apparatus	6440	22 Sept.
Kohler, W., and another, Mannheim, Germany. Enamelling bottoms of cooking-vessels	6316	28 July.
Lacy, B. T., and another, San Francisco, U.S.A. Dissolving, leaching, and filtering	6494	21 Oct.
Lahey, J. W., and another, South Brisbane, Queensland. Machine for forming staves	5981	4 Jan.
Lahey, T. G., and another, South Brisbane, Queensland. Machine for forming staves	5981	4 Jan.
Lance, C. C., Euroa, Vic. Combined milk straining and sampling appliance	6560	4 Dec.
Lane, B., Carlton, Or., U.S.A. (See W. A. Howe, No. 6412.)		
Langford, J., Parnell, Auckland, N.Z. Water-motor	6357	14 Aug.
Larcomb, E., Palmerston N., N.Z. Lock-nut and washer for metal bolts, &c.	6383	26 Aug.
Latta, R., Hastings, N.Z. Stirrup-leather	6523	7 Nov.
Lauchlan, R. B., Wellington, N.Z. Ball-cock	6021	3 Feb.
Laval, C. G. P. de. (See D.)		
Leech, C., Rangiora, N.Z. Composition for cure of foot-rot in sheep	6217	30 May.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1898—continued.

Name, Residence, and Invention.	No.	Date.
Leer, G., Wellington, N.Z. Heating water	6565	7 Dec.
Lees, C. A., and another, Christchurch, N.Z. Extracting seeds of weeds from cocksfoot and other seeds	6260	24 June.
Legge, A. M., and another, Auckland, N.Z. Package for evaporated fruit, &c.	6338	7 Aug.
Legge, E. L., and another, Auckland, N.Z. Package for evaporated fruit, &c.	6338	7 Aug.
Lester, S. W., and another, Sydenham, N.Z. Extracting seeds of weeds from cocksfoot and other seeds	6260	24 June.
Lester, S. W., Sydenham, N.Z. Extracting seeds of weeds from cocksfoot and other seeds	6593	28 Dec.
L'Estrange, W. M., and another, Upper Coomera, Queensland. Coin-freed electrical shocking machines	6418	14 Sept.
Lett, J., Wanganui, N.Z. Vegetable- and fruit-slicer	6469	7 Oct.
Levy, M., and others, Reefiton, N.Z. Extracting gold and silver from sands, &c.	6489	19 Oct.
Liardet Evelyn-, W. See under E.		
Lindsey, C. M., Pittsburgh, Penn., U.S.A. Cutting, grinding, and polishing material	6004	20 Jan.
Lister, R. A., and another, Dursley, Eng. Centrifugal machines for separating liquids	6049	18 Feb.
Livingston, T., Melbourne, Vic. Valve attachments for ball hydrants, &c. (W. Errington)	6332	5 Aug.
Lloyd, M. B., Minneapolis, U.S.A. Coiling wire and weaving coiled-wire fabric	6520	3 Nov.
Lochhead, E., Dunedin, N.Z. Clothes-wringer	6513	27 Oct.
Lockhart, W. S., London, Eng. Washing and separating gems	6118	4 April.
Long, R., Sydney, N.S.W. Producing and distributing cold	6561	5 Dec.
Lovegrove, G., Gapes Valley, Geraldine, N.Z. One-wheeled sulky	6109	23 March.
Lovegrove, H. W., Gapes Valley, Geraldine, N.Z. Sulky	6598	28 Dec.
Luttrell, E. V., Ormond, Poverty Bay, N.Z. Lung and tapeworm specific	6482	11 Oct.
Lysaght Bros. and Co. (Limited), Sydney, N.S.W. Wire-netting. (F. J. Corbett)	6155	1 May.
Mack, W. T., Wellington, N.Z. Cowl for chimneys and ventilators	6462	3 Oct.
Mainland, H. L., and another, Burke's, Dunedin, N.Z. Purifying milk	6024	31 Jan.
Manland, H. L., Burke's, Dunedin, N.Z. Sheep-feeder	6222	3 June.
Mallett, J., and another, London, Eng. Seats	6527	10 Nov.
Manton, H. L., and another, Melbourne, Vic. Lighting cigars and cigarettes	6200	25 May.
Marr, C. K., and another, Glasgow, Scotland. Displaying advertisements, &c.	6099	22 March.
Marsden, G. H., Dunedin, N.Z. Wire-strainer	6321	25 July.
Marshall, J., Springston, Canterbury, N.Z. Grain- and seed-dressing machines	6167	3 May.
Marshall, J., Springston, Canterbury, N.Z. Windmills	6514	27 Oct.
Martin, J., Gawler, S. Australia. Hydro-carbon motor. (J. E. Friend)	5993	13 Jan.
Martin, J., and another, Nelson, N.Z. Balsam for mankind, horses, and cattle	6568	8 Dec.
Martin, W. H., Wellington, N.Z. Ear-marking sheep	6431	16 Sept.
Masefield, T. T., Auckland, N.Z. Street-drain frame	6030	2 Feb.
Massey-Harris Co. (Limited), Toronto, Canada. Seed-sowing machines. (L. M. Jones and J. Wedlake)	6121	5 April.
Massey-Harris Co. (Limited), Toronto, Canada. Cultivator. (L. M. Jones and J. Wedlake)	6122	5 April.
Meldrum, J. B., and others, Sydney, N.S.W. Kilns for seasoning timber	6552	23 Nov.
Menzies, R. R., and another, Thames, N.Z. Leaching- and filtering-machines	6444	19 Sept.
Merrillees, E., Melbourne, Vic. Combined corset and abdominal belt	6395	1 Sept.
Meyer, H. P., Campbelltown, Wellington, N.Z. Theodolite for fencers, &c.	6209	29 May.
Miller, R. C., Invercargill, N.Z. Chair-seat	6165	28 April.
Milner, H. J., Woodville, N.Z. Tobacco-pipe	6405	6 Sept.
Milner, W., and another, Warrington, Eng. Manufacture of wire-netting	6238	15 June.
Mitchell, J., Auckland, N.Z. Straining and fixing wire-fencing	6142	17 April.
Mitchell, J., and another, Auckland, N.Z. Fixing corrugated iron on structures	6531	8 Nov.
Moeller, J., Westminster, Eng. Manufacture of oil-gas	6002	19 Jan.
Moir, J. B., Invercargill, N.Z. Protecting skins from rats	6573	8 Dec.
Moldenhauer, C., Frankfort-on-Maine, Germany. Recovering gold, &c., from ores	6499	23 Oct.
Molloy, B. C., London, Eng. Dissolving and obtaining gold, &c., from ores, &c.	6126	6 April.
Montgomerie, J. C., Dalmore, Scotland. Extraction of gold and silver from ores, &c.	6147	24 April.
Moreau, P. A., Meung-sur-Loire, France. Manufacturing artificial stone, and colouring and hardening natural and artificial stone	6124	6 April.
Morgan, J., Oamaru, N.Z. Forcing blocks under wheels of portable threshing-machines	6368	21 Aug.
Morrell, S., Wellington, N.Z. Sash-fasteners	6029	6 Sept.
Morris, F. S., and others, London, Eng. Steam-engines	6453	29 Sept.
Morris, J., Wellington, N.Z. Candlesticks	6436	19 Sept.
Morrison, A., Dunedin, N.Z. Valve for lifts, &c.	6348	5 Aug.
Morrison, A., Dunedin, N.Z. Safety-gear for lifts	6384	24 Aug.
Morrison, W., and another, Moonee Ponds, Vic. Removable heels for boots and shoes	6253	23 June.
Moses, T. J., and another, Clunes, N.S.W. Manufacturing kegs	6027	6 Feb.
Mountfort, C. W., Napier, N.Z. Clothes-peg	6506	21 Oct.
Muir, J., Masterton, N.Z. Wool-press	6325	1 Aug.
Munson, A. L., New York, U.S.A. Cigarette-machinery	6534	11 Nov.
Murdoch, H. H., Hastings, N.Z. Locks and latches	6351	11 Aug.
Musgrove, J., and others, Bolton, Eng. Steam-engines	6453	29 Sept.
MacArthur, J. S., and another, Glasgow, Scotland. Extracting gold and silver from ores, &c.	6396	1 Sept.
Macaulay, J., Dunedin, N.Z. Cooling and aerating milk	6409	4 Sept.
Mackie, J. F., and another, Montreal, Canada. Heat-deflectors. (C. A. Couch)	6179	12 May.
Macnutt, G. A., Melbourne, Vic. Wood-screw	6446	25 Sept.
Macky, J. J., Auckland, N.Z. Door handles and fastenings	6130	12 April.
Macky, J. J., Auckland, N.Z. Door handles and fastenings	6295	10 July.
Macky, J. J., and another, Auckland, N.Z. Preparing surface-blocks for printing	6374	19 Aug.
Macky, J. J., Auckland, N.Z. Metal cans for preserved food, &c.	6419	8 Sept.
McAlister, J. H., Wellington, N.Z. Facilitating correct copying	6025	4 Feb.
McBride, A., and another, Dunedin, N.Z. Governor for marine engines	6434	18 Sept.
McClellan, E. J., Auckland, N.Z. A game	6496	17 Oct.
McCully, R., Philadelphia, U.S.A. Crushing-machines	6329	5 Aug.
McDonald, E. H., Invercargill, N.Z. Back and shoulder strap	6164	28 April.
McGill, D., Petone, N.Z. Hydraulic, air, or steam engines	6201	26 May.
McGill, E. S., Gore, Otago, N.Z. Raising and lowering window-sashes	6116	29 March.
McHattie, G., Palmerston, Otago, N.Z. Rabbit-trap	6166	1 May.
McKee, W. J., Foxton, N.Z. Mouth for flax-scutchers	6176	11 May.
McKegg, A., Henley, N.Z. Steam-boilers	6429	16 Sept.
McLachlan, A., Doyleston, Canterbury, N.Z. Cleaning clover, &c., seeds	6291	11 July.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1893—continued.

Name, Residence, and Invention.	No.	Date.
McNeill, A. C., and another, Aramoho, Wanganui, N.Z. Wire-tightener	6292	12 July.
McNeill, H. M., and another, Aramoho, Wanganui, N.Z. Wire-tightener	6292	12 July.
McPeake, J. W., and another, Thames, N.Z. Amalgamation of gold and silver	6072	25 Feb.
McRae, C., Melbourne, Vic. Destroying rabbits	6386	28 Aug.
Newall, J. W., Ongar, Essex, Eng. Machines for shearing sheep	6397	1 Sept.
Newton, W. J., Wellington, N.Z. Lock-protector	6540	14 Nov.
Nicholls, F. L., Napier, N.Z. Hydrant-valve	6240	14 June.
Nicholls, R., Auckland, N.Z. Boot-protector for use when digging	6287	8 July.
Nightingale, H. E., Auckland, N.Z. Decorating wood, &c.	6271	30 June.
Niven, F. W., and another, Ballarat, Vic. Gelatine printing-plate. (H. Crisp)	6159	1 May.
Niven, H. N., and another, Ballarat, Vic. Gelatine printing-plate. (H. Crisp)	6159	1 May.
North, F., Dunedin, N.Z. Tobacco-pipes	6450	23 Sept.
North, R., and another, Peckham, Eng. Preserving eggs	5980	4 Jan.
Nunan, J., and another, Lismore, N.S.W. Manufacturing kegs	6027	6 Feb.
O'Brien, J., Puhipuhi, Auckland, N.Z. Kettle for heating poultices, &c.	6231	18 May.
O'Brien, J. H., St. Kilda, Vic. Lock-nut and bolt	6385	23 Aug.
Oldham, G. E., and another, Woodville, N.Z. Trapping rabbits	6324	1 Aug.
O'Neill, W., Opunake, N.Z. Churn	6582	19 Dec.
Orr, R., Lower Hutt, N.Z. Scraping machinery for N.Z. flax	6239	16 June.
Orr, W. M., Oamaru, N.Z. Stoppers for shuttles in weaving-looms	6477	10 Oct.
Ory, J. M., Dunedin, N.Z. Gauge-glasses for boilers, &c.	6512	24 Oct.
Ory, J. M., Dunedin, N.Z. Distributing oil to machinery	6529	6 Nov.
Osborne, J., Doyleston, Canterbury, N.Z. Clover threshing, shelling, and dressing apparatus attached to combines	6216	30 May.
Osborne, J., Doyleston, Canterbury, N.Z. Clover threshing, shelling, and dressing apparatus	6406	5 Sept.
Owen, E., and others, Ponsonby, Auckland, N.Z. Kerb- and channel-tiles	6288	11 July.
Owens, V. J., Auckland, N.Z. Export package	5989	9 Jan.
Page, F. W., Chertsey, Canterbury, N.Z. Wire-strainer	6033	4 Feb.
Pagel, C. A., Port Moeraki, Otago, N.Z. Messenger for dragging nets on sea-beach	6476	7 Oct.
Palmer, R. G., Crail Bay, Marlborough, N.Z. Propulsion of boats by manual power	6555	29 Nov.
Park, R. P., and another, Blackburn, Vic. Centrifugal pumps	6571	11 Dec.
Parker, S. L., St. Kilda, Vic. Printing machinery	6334	5 Aug.
Paterson, C. E., Tooradin, Vic. Pea-threshing machines	6400	1 Sept.
Paterson, J., and another, Melbourne, Vic. Lighting cigars and cigarettes	6200	25 May.
Peacock, T., Auckland, N.Z. Winding-case for surveyors' bands	6097	15 March.
Pearce, R., Denver, Col., U.S.A. Ore-roasting furnaces	6088	16 March.
Pearson, A., Mangatainoka, N.Z. Screw-neck for bottles	6046	18 Feb.
Pearson, G. A., Wellington, N.Z. Reversible fire-grate	6326	2 Aug.
Pearson, J., and another, Timaru, N.Z. Hook for harness, &c.	6233	10 June.
Pedersen, M., and another, Dursley, Eng. Centrifugal machines for separating liquids	6049	18 Feb.
Pender, J., Brunswick, Vic. Grooving and cutting boards for boxes, &c.	6119	4 April.
Percy, G., Wellington, N.Z. Indicating residents in streets, &c.	6262	26 June.
Perry, J., and another, Melbourne, Vic. Raising sunken vessels	5997	16 Jan.
Pickering, D., and another, Pahiatua, N.Z. Steam-whistle	6094	18 March.
Pielsticker, C. M., Harlesden, Eng. Extraction of gold and silver from ores	6137	17 April.
Pilcher, F., Prahran, Vic. Wood-block roadways	6508	27 Oct.
Pirrie, J. S., and others, South Melbourne, Vic. Combined rotary crushing, pulverising, and ore-amalgamating machines	6178	12 May.
Pirrie, J. S., and others, South Melbourne, Vic. Combined amalgamator, concentrator, and separator	6251	23 June.
Plumb, M. S., and another, Marrickville, N.S.W. Pulverising and amalgamating	6466	7 Oct.
Pneumatic Tyre and Booth's Cycle Agency (Limited), The. Rubber tyres and metal rims of wheels for cycles, &c. (C. K. Welch)	6019	1 Feb.
Post, G. A., and others, Lake Geneva, Wis., U.S.A. Ore-concentrators	5978	4 Jan.
Post, G. A., and others, Lake Geneva, Wis., U.S.A. Ore-concentrators	5979	4 Jan.
Potter, F. S., Auckland, N.Z. Sliding seat for vehicles	6460	25 Sept.
Potter, H. W., and another, Wellington, N.Z. Marking carcasses of sheep, &c.	6275	5 July.
Pratten, C., Ultimo, Sydney, N.S.W. Candlestick	6403	2 Sept.
Prebble, A. E., and another, Blenheim, N.Z. Flax-heckler	6199	22 May.
Pruyn, H. S., Hoosick Falls, N.Y., U.S.A. Railway-cars	6103	25 March.
Purbrook, H. J., and others, Wellington, N.Z. Medical application of electricity	6067	28 Feb.
Purbrook, H. J., Wellington, N.Z. Medical application of electricity	6556	1 Dec.
Purser, E., Blenheim, N.Z. Extracting iron from ironsand	6486	18 Oct.
Purser, W. H., and another, Moonee Ponds, Vic. Removable heels for boots and shoes	6253	23 June.
Pyke, H. J. A., Devonport, Auckland, N.Z. Clothes-washing combination	6069	28 Feb.
Raber, N. L., Corvallis, Or., U.S.A. Amalgamators	6184	15 May.
Raithby, R. W., and others, Reefton, N.Z. Extracting gold and silver from sands, &c.	6489	19 Oct.
Ralston, C., and others, Armadale, Vic. Vapour-lamps	5994	13 Jan.
Rastrick, J. L., Raglan, Auckland, N.Z. Automatic safety coupling	6007	21 Jan.
Reeves, W., Masterton, N.Z. Attaching shafts to springs of two-wheeled vehicles	6473	12 Oct.
Reiche, M. von. (See under V.)		
Reid, J. S., Westminster, Eng. Wire-barring machines	6152	21 April.
Richard, A., Melbourne, Vic. Electro-medical chair	6034	7 Feb.
Richards, A. G. S., Palmerston N., N.Z. Sheep-feeding rack	6280	8 July.
Richards, W. E., New York, U.S.A. Partitioning drawers, &c.	6066	27 Feb.
Richards, W. E., New York, U.S.A. Supports for books, &c.	6102	25 March.
Richards, W. E., New York, U.S.A. Supports for shelves of book-cases, &c.	6146	24 April.
Richardson, W. E., Outram, Otago, N.Z. Packing and wrapping articles in paper	6114	27 March.
Richardson, W. E., Outram, Otago, N.Z. Tables for railway-carriages	6398	28 Aug.
Richardson, W. E., Outram, Otago, N.Z. Butter-printer	6483	12 Oct.
Riedig, C. A., Chemnitz, Germany. Boots, shoes, and slippers	6490	19 Oct.
Riedler, A., Berlin, Germany. Compressing and pumping apparatus	6101	25 March.
Rigby, E. J., and others, South Melbourne, Vic. Combined rotary crushing, pulverising, and ore-amalgamating machines	6178	12 May.
Rigby, E. J., and others, South Melbourne, Vic. Combined amalgamator, concentrator, and separator	6251	23 June.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1893—continued.

Name, Residence, and Invention.	No.	Date.
Ripley, J., and another, Methley, York, Eng. Preserving skins for transport, &c.	6211	27 May.
Roach, P., Timaru, N.Z. Double S-hook	6259	21 June.
Roach, P., and another, Timaru, N.Z. Wire-fencing standard	6445	21 Sept.
Roberts, H. L., Auckland, N.Z. Cooling beer, &c.	6536	21 Oct.
Robinson, G., and another, Manakau, Wellington, N.Z. Horse-shoe	6470	9 Oct.
Robinson, J., and another, Sydney, N.S.W. Pulverising and amalgamating	6466	7 Oct.
Robinson, W., and another, Makotuku, Hawke's Bay, N.Z. Lifting-apparatus for sack-barrows	6062	24 Feb.
Robinson, D. M., and another, St. Kilda, Vic. Milking-machines	6089	16 March.
Robison, D. M., and another, St. Kilda, Vic. Milking-machines	6438	20 Sept.
Rogers, C., New Plymouth, N.Z. Message-recorder	6404	4 Sept.
Ross, H. A., Dunedin, N.Z. Washing-boilers	6241	12 June.
Ross, H. I. M., Dunedin, N.Z. Ear-marking animals	6443	19 Sept.
Ross, H. I. M., Dunedin, N.Z. Embossing, sinking, or piercing by pressure	6549	18 Nov.
Rother, M., Wellington, N.Z. Chair	6315	27 July.
Rotheram, T. F., Wellington, N.Z. Bogie for railway, &c., rolling-stock	6421	15 Sept.
Rotheram, T. F., Wellington, N.Z. Axle-box for railway, &c., rolling-stock	6422	15 Sept.
Rotheram, T. F., Wellington, N.Z. Dust-shield for axle-boxes of railway, &c., rolling-stock	6423	15 Sept.
Rotheram, T. F., Wellington, N.Z. Lubricating pad and holder for axle-boxes of railway, &c., rolling-stock	6424	15 Sept.
Rowe, W., Addington, N.Z. Adjustable-socket hedge-slathers and bill-hooks	6309	21 July.
Rule, J., Footscray, Vic. Combined amalgamators, concentrators, and separators	6390	31 Aug.
Rumgay, J., Wellington, N.Z. Hanging doors and gates	6516	30 Oct.
Runciman, J., Cambridge, N.Z. Clip for attaching corrugated iron to buildings, &c.	6564	6 Dec.
Russell, J., Christchurch, N.Z. Chiming and crozing machine	6417	12 Sept.
Sampson, B. E., and others, Sydney, N.S.W. Kilns for seasoning timber	6552	23 Nov.
Savage, B., Riverton, N.Z. Road-skate	6548	17 Nov.
Saville, B., Christchurch, N.Z. Gear-case and chain-lubricator for cycles	6542	11 Nov.
Saxby, J., jun., Chancery Lane, Middlesex, Eng. Ticket-punches	6038	9 Feb.
Scheidel, A., Auckland, N.Z. Extraction of gold and silver from ores, &c.	5986	5 Jan.
Schleicher, C., Malvern, Vic. Separating solid particles in sludge, &c.	6003	19 Jan.
Schmidt, W. S. D., Auckland, N.Z. Blinkers for horses	6139	14 April.
Schöneberg, E., Düsseldorf, Germany. Barbed fencing-wire	6493	21 Oct.
Schreiber, H., and another, East Brighton, Vic. Sash-fastener	6090	16 March.
Scott, J. L., Adelaide, S. Australia. Advertising device	6028	6 Feb.
Scott-Moncrieff, W. D., Westminster, Eng. Treatment of sewage	6349	11 Aug.
Seitz, E., and another, Blackburn, Vic. Centrifugal pumps	6571	10 Dec.
Selwood, H. T., Parawa, Otago, N.Z. Rabbit-traps	6484	11 Oct.
Seymour, C. E., and others, Lake Geneva, Wis., U.S.A. Ore-concentrators	5978	4 Jan.
Seymour, C. E., and others, Lake Geneva, Wis., U.S.A. Ore-concentrators	5979	4 Jan.
Shadgett, G., and others, Wellington, N.Z. Medical application of electricity	6067	28 Feb.
Shadgett, W. M., and others, Wellington, N.Z. Medical application of electricity	6067	28 Feb.
Shailer, G. W., and another, Palmerston North, N.Z. Ear-marking sheep, &c.	6045	15 Feb.
Shailer, G. W., Palmerston North, N.Z. Ear-marking sheep, &c.	6106	25 March.
Shelley, R. M., Borough, London, Eng. Combination garments	6352	14 Aug.
Shepherd, G. B., and others, Reefton, N.Z. Extracting gold and silver from sands, &c.	6489	19 Oct.
Sherrard, P., and another, Methley, York, Eng. Preserving skins for transport, &c.	6211	27 May.
Sherwin, A. J. W., Wellington, N.Z. Spring electric fire-alarm	6157	1 May.
Shone, I., Westminster, Eng. Draining and sewerage towns, &c.	6294	15 July.
Silver, C. T., and another, Tamworth, N.S.W. Sheep-shearing machines and flexible shafts therefor	6345	10 Aug.
Silver, D., and another, Tamworth, N.S.W. Sheep-shearing machines and flexible shafts therefor	6345	10 Aug.
Simonton, T. C., Paterson, N.J., U.S.A. Extracting gold from sands, &c.	6009	25 Jan.
Simplex Mineral-water Aerator Syndicate (Limited), The, London, Eng. Manufacture of aerated liquids. (S. Burge and C. Turner)	6587	21 Dec.
Sloan, R. A., and another, Liverpool, Eng. Sealing cans, &c.	6298	17 July.
Smidth, V. F. L., Copenhagen, Denmark. Sand-cement	6012	30 Jan.
Smith, C. B., and another, Dunedin, N.Z. Expanding pulley	6203	22 May.
Smith, R. S., Coromandel, Auckland, N.Z. Gripper	6427	13 Sept.
Softe, S., Wellington, N.Z. Hanging pictures, &c.	6505	24 Oct.
Sorensen, N., Clareville, Carterton, N.Z. Stump-extractor	6492	20 Oct.
Southall, W., Goulburn, N.S.W. Adjusting brakes to buggies, &c.	6597	29 Dec.
Speedy, J. H., Sandon, Wellington, N.Z. Wire-strainer	6576	15 Dec.
Speedy, W., Napier, N.Z. Wool-press	6432	15 Sept.
Spence, F. J., Broken Hill, N.S.W. (See W. Adams, jun., No. 6353.)		
Spencer, C., and another, Auckland, N.Z. Preparing surface-blocks for printing	6374	19 Aug.
Spinley, J. C., Devonport, Auckland, N.Z. Apparatus for heating rooms, &c.	6107	22 March.
Spool, A., Melbourne, Vic. (See N. F. Giblin, No. 6096.)		
Stevens, G. W., San Francisco, U.S.A. Fruit-carrier	6226	9 June.
Stevens, W. J., and another, Christchurch, N.Z. Preventing rattling of windows in vehicles, &c.	6267	29 June.
Stevens, W. J., and another, Christchurch, N.Z. Two-wheeled brougham hansom-cab	6463	2 Oct.
Stevenson, J., and another, Waianiwa, Otago, N.Z. Weed-eradicator	6084	8 March.
Stevenson, T., Dunedin, N.Z. Controlling emission and admission of water to hydraulic lifts	6347	7 Aug.
Stevenson, T., Dunedin, N.Z. Governing speed of steam-engines	6580	14 Dec.
Stevenson, W., Dunedin, N.Z. Tins for jams, &c.	6016	28 Jan.
Stevenson, W., Dunedin, N.Z. Treatment of plates used in manufacture of preserve-tins	6017	28 Jan.
Stevenson, W., Dunedin, N.Z. Combined crimping, fluxing, and soldering machine	6018	28 Jan.
Stones, W., and others, St. Kilda, Vic. Vapour-lamps	5994	13 Jan.
Storer, J., and another, Sydney, N.S.W. Dissolving, leaching, and filtering	6494	21 Oct.
Strong, R. F., and another, London, Eng. Artificial fuel	6229	9 June.
Stronger, A. B., Chicago, U.S.A. Automatic telephone, &c., exchanges	5992	13 Jan.
Sturgess, G. W., Christchurch, N.Z. Cough-mixture	6369	21 Aug.
Sturrock, D., and another, Timaru, N.Z. Grubber, plough, and harrow	6080	4 March.
Stutley, J. S. P., Adelaide, S. Australia. Material for facing moulds used in casting metals	6218	3 June.
Summerhayes, H. J., San Francisco, U.S.A. Belts for ore-concentrators	6335	5 Aug.
Suttie, A., Onehunga, N.Z. Removing hair and wool from hides and skins	6115	23 March.
Sutton, J. W., Brisbane, Queensland. Chlorination of pulverised ores containing gold or silver	6323	31 July.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1893—continued.

Name, Residence, and Invention.	No.	Date.
Sutton, J. W., Brisbane, Queensland. Generation of chlorine gas, and chlorination of pulverised gold- or silver-ores	6515	30 Oct.
Sykes, I., and another, Masterton, N.Z. Foot-rot paste	6120	5 April.
Sykes, I., and another, Masterton, N.Z. Wool-presses	6302	20 July.
Talbot, F. H., and another, Motueka, Nelson, N.Z. Hop- and wool-press	6468	9 Oct.
Tarrant, W., Petersham, N.S.W. Concentrator usable as an amalgamator	6071	2 March.
Tate, G., Eketahuna, N.Z. Stump-extractor	6518	3 Nov.
Taylor, W., Kaiapoi, N.Z. Joint-protector for rims of wheels	6219	3 June.
Taylor, W., Kaiapoi, N.Z. Compressed spiral-spring draw-bar	6349	19 June.
Temperley, J., Reigate, Eng. Travelling pulley-carriage for raising, lowering, and traversing loads	6498	23 Oct.
Thomann, K., Halle-on-the-Saale, Germany. Roofing-tile	6589	13 Nov.
Thomas, W. H., Cromwell, Otago, N.Z. Rabbit-traps	6408	9 Sept.
Thompson, E., Aratapu, Auckland, N.Z. Chair	6195	9 May.
Thompson, H., and another, Christchurch, N.Z. Lubricating sprocket-chains of cycles, &c.	6428	14 Sept.
Thompson, W. E., and another, Christchurch, N.Z. Lubricating sprocket-chains of cycles, &c.	6428	14 Sept.
Thompson, W. L., Wellington, N.Z. Window-sashes	6113	27 March.
Thomson, A., Kelso, Otago, N.Z. Agricultural thinner	6497	16 Oct.
Thomson, A., Kelso, Otago, N.Z. Seed- and manure-canister	6521	31 Oct.
Thomson, E., Swampscott, Mass., U.S.A. Lightning-arresters and discharge-protectors	6227	9 June.
Thomson, E., Swampscott, Mass., U.S.A. Lightning-arresters	6228	9 June.
Thomson, H., Kew, Vic. Valves for hydrants, &c.	6061	24 Feb.
Thomson, H., Kew, Vic. Cover for fire-plugs	6541	15 Nov.
Thomson, H., Kew, Vic. Metal hobs or studs for boots and shoes	6595	29 Dec.
Thomson, J. S., Melbourne, Vic. Machine for churning butter, heating, cooling, and mixing liquids, and for washing materials	6020	3 Feb.
Thomson, J. S., Wanganui, N.Z. Bread-making	6149	25 April.
Thornley, W., Murrumbidgee, N.S.W. Lamps for burning kerosene without chimneys	6583	20 Dec.
Thunderbolt, E., Carlton, Vict. Engine-governor	6301	19 July.
Tiffen, G. W., Makarakara, Poverty Bay, N.Z. Incline-plane digging-plough	6569	6 Dec.
Tindill, A., and another, Blenheim, N.Z. Flax-heckler	6199	22 May.
Tompsett, W., and another, Manakau, Wellington, N.Z. Horse-shoe	6470	9 Oct.
Trewhella, B., jun., and another, Blackwood, Vic. Lever-jacks	6156	1 May.
Trewhella, W., and another, Blackwood, Vic. Lever-jacks	6156	1 May.
Trees, J., Walsall, Eng. (See Brace, Windle, Blyth, and Co., Limited, No. 6391.)		
Troup, G. A., Wellington, N.Z. Fang lock-nut	6108	27 March.
Troup, G. A., Wellington, N.Z. Plate lock-nut for fastening rails to sleepers, &c.	6551	23 Nov.
Troup, J., Christchurch, N.Z. Tilting-bottom grating for ranges, &c.	6082	7 March.
Tuckett, R., Royal Park, Vic. Aerial railway and seat for children	6478	13 Oct.
Turnbull, J., Adelaide, S. Australia. Washing coal, separating ores, &c.	6013	30 Jan.
Turner, C., and another, Harrow Road, Middlesex, Eng. (See The Simplex Mineral-water Aerator Syndicate, Limited, No. 6587.)		
Turney, F. N., Nottingham, Eng. Degreasing leather	6036	9 Feb.
Turri, G. G., Melbourne, Vic. Sheep-shearing machines. (F. H. Davis)	6337	5 Aug.
Turri, G. G., Melbourne, Vic. Coating metals with aluminum	6475	12 Oct.
Upchurch, J., Wellington, N.Z. Joint for rusticated weatherboards	6491	20 Oct.
Vaile, P. A., Auckland, N.Z. Brick for lining wells	6148	20 April.
Valveless Gas-Engine Syndicate (Limited), The, Westminster, Eng. Gas-engines. (F. W. C. Cock)	6570	11 Dec.
Vandome, W., Kensington, S. Australia. Treatment of slimes and finely-crushed ores	6304	21 July.
Van Hecke. (See H. R. Wildish, No. 6042.)		
Van Hecke's Fuel-economizer Syndicate (Limited), London, England. (See H. R. Wildish, No. 6042.)		
Vecht, A., Wellington, N.Z. Singeing pigs	6169	5 May.
Vecht, A., Wellington, N.Z. Preserving pork by singeing	6174	10 May.
Virgin, F. J., Tikorangi, Taranaki, N.Z. Butter-mould	6401	31 Aug.
Voice, W., Te Awamutu, Auckland, N.Z. Digging potatoes	6343	10 Aug.
Von Reiche, M., Auburn, Vic. Trapping rabbits, &c.	6281	8 July.
Vorbach, J., Renwicktown, Marlborough, N.Z. Potato-digger	6235	13 June.
Waddell, T., Sydenham, N.Z. Rollers of flax-strippers	6086	13 March.
Wade, J. W., Gisborne, N.Z. Skylight-frame	6545	13 Nov.
Wahlin, A., Bainbridge, N.Y., U.S.A. Centrifugal separators for cream and butter	6279	8 July.
Walker, A., Auckland, N.Z. Imitation fair-stitch for boots and shoes	6311	24 July.
Walker, F., and another. Preparing kauri and other gums	6382	22 Aug.
Walker, J. T., Aramocho, Wanganui, N.Z. Wire straining-reel	6190	17 May.
Wallace, J. A., Melbourne, Vic. Incandescent gas-burner	6058	23 Feb.
Walles, H. J., Roxburgh, Otago, N.Z. Animal-trap	6296	14 July.
Walsh, J., Otakaia, N.Z. Wire-strainers	6150	27 April.
Walters, W. B., Dunedin, N.Z. Making butter and condensed milk	6376	23 Aug.
Warburton, J., South Melbourne, Vic. Catamenial sack or pad	6500	23 Oct.
Ward, W., Beaconsfield, Otago, N.Z. Wire-strainers	6350	10 Aug.
Ward, W., Beaconsfield, Otago, N.Z. Wire-strainers	6557	27 Nov.
Waters, E., Melbourne, Vic. Exhibiting optical illusions. (The Electrical Wonder Company, Limited. O. Anschutz)	6140	19 April.
Waters, E., Melbourne, Vic. Forming, filling, and sealing boxes to contain small articles for the market. (W. H. Butler)	6254	23 June.
Waters, E., Melbourne, Vic. Reducing gold-bearing quartz, &c. (J. T. Crawford)	6572	11 Dec.
Watts, H., and another, Taieri, N.Z. Cutting bands of sheaves and feeding to threshing-machines	6278	3 July.
Watts, H. B., and another, Dunedin, N.Z. Cutting bands of sheaves and feeding to threshing-machines	6278	3 July.
Wauchope, J. A., and another, Sydney, N.S.W. Dry-malting	6141	19 April.
Webster, J., Christchurch, N.Z. Spring-couple for chains, traces, &c.	6078	4 March.
Webster, R., Southbridge, N.Z. Speeded revolving harrow	6502	20 Oct.
Wedlake, J., and another, Toronto, Canada. (See Massey-Harris Company, Limited, No. 6121.)		
Wedlake, J., and another, Toronto, Canada. (See Massey-Harris Company, Limited, No. 6122.)		
Welch, C. K., Coventry, Eng. (See The Pneumatic Tyre and Booth's Cycle Agency, Limited, No. 6019.)		
Weldon, F., Earley, Berks., Eng. Construction of bridges, &c.	6188	16 May.
West, H., Auckland, N.Z. Sectional cutting-board	6161	27 April.

ALPHABETICAL LIST OF APPLICANTS FOR PATENTS FOR THE YEAR 1893—*continued.*

Name, Residence, and Invention.	No.	Date.
Westcott, M. K., Melbourne, Vic. Compressing fodder for animals	6501	23 Oct.
Wheat, H. A., Melbourne, Vic. Lamps for burning liquid hydrocarbons	6177	11 May.
Wheeler, C. L., Christchurch, N.Z. Grain- and seed-dressing machines	6059	21 Feb.
Wheeler, J. A., Sydney, N.S.W. Maintaining constant pressure in aerated-liquid vessels	6563	6 Dec.
Whitburn, D., Auckland, N.Z. Combined slate and pencil-case	6044	15 Feb.
White, G., Moreland, Vic. Smoke- and spark-consumers	6495	21 Oct.
White, J., Auckland, N.Z. Scales for tailors, dressmakers, &c.	6063	22 Feb.
White, J., and another, Auckland, N.Z. Preparing kauri and other gums	6382	22 Aug.
Whitecross Company (Limited), The, and another, Warrington, Eng. Manufacture of wire-netting	6238	15 June.
Whitney, A. N., Melbourne, Vic. Inanimate or lay pigeon	6592	28 Dec.
Whittington, A. J., Auckland, N.Z. Perambulator-straps	6310	22 July.
Wildish, H. R., s.s. "Aorangi." Fuel-economizer for multitubular steam-boilers. (Van Hecke's Fuel-economizer Syndicate, Limited. Van Hecke)	6042	10 Feb.
Williams, D., Reefton, N.Z. Stoking-holds	6356	15 Aug.
Williams, F. A., Albrighton, Eng. Joining edges of thin plate-metal for manufacture of tubes, &c.	6414	11 Sept.
Williams, H., and another, Richmond, Vic. Rotary engine	6257	24 June.
Williams, M., and another, Masterton, N.Z. Chair and steps combined	6202	26 May.
Williams, S. H., Blenheim, N.Z. Feeding fibre to a hackling-machine	6198	22 May.
Wilson, J. C., and another, Blenheim, N.Z. Tow-hackling machine	6087	14 March.
Wilson, P., Auckland, N.Z. Treating kauri-gum, &c.	6268	28 June.
Wilson, R. F., and another, Blenheim, N.Z. Tow-hackling machine	6087	14 March.
Winn, N., Croydon, Otago, N.Z. Rabbit-traps	6047	18 Feb.
Winn, N., and another, Croydon, Otago, N.Z. Rabbit-traps	6430	16 Sept.
Wishart, J., Wellington, N.Z. Washing-machines	6365	18 Aug.
Withell, R., Brookside, Canterbury, N.Z. Milking-machines	6285	7 July.
Withell, R., Brookside, Canterbury, N.Z. Milking-machines	6517	31 Oct.
Wolseley, F. Y., Sydney, N.S.W. Holders for use when sharpening shearing-combs and cutters.. .. .	6390	5 Aug.
Wolseley, F. Y., Sydney, N.S.W. Sheep-shearing machines	6364	17 Aug.
Woods, W. F., and others, Sydney, N.S.W. Kilns for seasoning timber	6552	23 Nov.
Wooffindin, E., and another, Seadown, Timaru, N.Z. Grubber-plough, &c.	6080	4 Mar.
Wratten, W., Martinborough, Wellington, N.Z. Wire-fencing	6537	13 Nov.
Wright, A. O., Birmingham, Eng. Laths and sheets for ceilings, partitions, &c.	6410	9 Sept.
Wright, S. E., Wellington, N.Z. Double-action hinge	6339	8 Aug.
Wrigley, F. H., Opaki, Masterton, N.Z. Bushfelling scaffold-board shoe	6170	8 May.
Wrigley, F. H., Opaki, Masterton, N.Z. Wire-strainer	6180	12 May.
Wrigley, F. H., Opaki, Masterton, N.Z. Chain-lever and self-locking sheaf	6181	12 May.
Wyett, R. W., Yarram Yarram, Vic. Fire-guard and spark-arrester	6112	27 March.
Young, H., Cromwell, N.Z. Rabbit-traps	6388	30 Aug.
Young, L. H., St. John, Canada. Locking nuts on bolts for fish-plates, &c.	6245	17 June.
Zimmerman, J., Chicago, U.S.A. Key-opening preserve-cans.. .. .	6048	18 Feb.

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