

SUPPLEMENT  
TO THE  
**NEW ZEALAND GAZETTE**  
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*International and Intercolonial Arrangements for the Mutual Protection of Inventions.*

INTERNATIONAL CONVENTION.

THE following countries now belong to the Convention :—

Belgium.	Mexico.
Brazil.	New Zealand.
Ceylon.	Norway.
Cuba.	Portugal, with the Azores and Madeira.
Denmark.	Servia.
Dominican Republic.	Spain.
France, with Algeria and Colonies.	Sweden.
Germany.	Switzerland.
Great Britain.	Tunis.
Italy.	United States of America.
Japan.	

Separate arrangements have been made between Australia and New Zealand.

Particulars of the Convention and of such arrangements may be seen in the following *Gazettes* :—

Notification of adherence of New Zealand to the Convention, with text thereof (in English), in the *Gazette* of 26th November, 1891; notification of adherence of New Zealand to the Additional Act of the Convention, with text (in English), of such Additional Act, in *Patents Supplement to Gazette* No. 101, of the 16th November, 1905; Order in Council applying section 103 of the Imperial Act to New Zealand, in *Gazette* No. 27, of the 15th May, 1890; Orders in Council containing arrangements between Australia and New Zealand, in *Patent Supplements to the Gazette* Nos. 22 of the 9th March, 1905, and 38 of the 20th April, 1905.

\* Alphabetical lists for the preceding quarter of the year 1907 appear in Supplement to *New Zealand Gazette* No. 36, of the 18th April, 1907.

*Patent Publications in New Zealand.*

THE following publications relating to Patents for inventions, &c., are open to inspection in the colony:—

## WELLINGTON.—PATENT OFFICE LIBRARY.

*United Kingdom.*

The full text of the specifications and complete drawings of inventions patented from the year 1617 up to the 18th April, 1907.

Classified illustrated abridgments of inventions from 1855 to 1904.

Illustrated Official Journal, containing lists of recent applications, abridgments of inventions for which patents have been lately granted, patents void, &c., to June, 1907.

Index of Applicants.

Subject-matter Index.

Commissioner of Patents Journal, &c. (\*)

Trade Marks Journal to May, 1907.

*Canada.*

Patent Office Record (containing illustrated abridgments of inventions, &c.) to November, 1906.

*Australia.*

The full text of the specifications and complete drawings in respect of applications accepted from the 11th January to the 3rd August, 1906, inclusive.

The Official Journal of Patents of the Australian Commonwealth (containing lists of applications for letters patent, abridgments of complete specifications accepted, &c.).

The Australian Official Journal of Trade Marks (containing lists of applications for registration of trade marks, &c.).

Specifications, drawings, abridgments, and indexes of Victoria, New South Wales, Queensland, and South Australia (b).

*United States.*

The full text of the specifications and drawings for the first half of the year 1905.

The Official Gazette of the United States Patent Office (containing illustrated abridgments of specifications, &c.) to the 6th November, 1906.

*Mexico.*

The Official Gazette of the Patent and Trade Mark Office.

*General.*

La Propriété Industrielle (the official organ of the International Bureau of the Union for the Protection of Industrial Property).

Patent laws of the world.

Patent and Trade Mark Review.

Text-books and handbooks on patents and trade marks.

## AUCKLAND.—PUBLIC LIBRARY.

*United Kingdom.*

Classified abridgments of inventions from 1855 to 1904.

Illustrated Official Journal from 1897 to date.

*Canada.*

Patent Office Record (containing illustrated abridgments of inventions, &c.) from 1897 to date.

*Australia.*

The Official Journal of Patents from 1905 to date.

*United States.*

The Official Gazette of the United States Patent Office (containing illustrated abridgments of specifications, &c.) from 1885 to 1887 and 1890 to 1895.

## CHRISTCHURCH.—PUBLIC LIBRARY.

*United Kingdom.*

Classified abridgments of inventions from 1855 to 1904.

Illustrated Official Journal from October, 1905, to date.

*Canada.*

Patent Office Record (containing illustrated abridgments of inventions, &c.) from 1897 to date.

*Australia.*

The Official Journal of Patents from 1905 to date.

## DUNEDIN.—TOWN HALL.

*United Kingdom.*

Classified abridgments of inventions from 1855 to 1904.

Illustrated Official Journal from October, 1905, to date.

*Australia.*

The Official Journal of Patents from 1905 to date.

(\*) Discontinued.

(b) In arrears. Not now being printed.

*Books and Documents open to Inspection at Patent Office, Wellington.*

THE following documents and books are open to public inspection at the Patent Office:—

## PATENTS.

(Fee for each search or inspection, not exceeding one hour, 1s.)

1. The files relating to all applications for letters patent in respect of which complete specifications have been accepted.
2. Classified copies of specifications and drawings, with index and key (a).
3. Register of Applications for Letters Patent.
4. Register of Patents.
5. Register of Subsequent Proprietors of Letters Patent (b).
6. Index of Patentees (c).
7. Index of Proprietors of Letters Patent granted prior to 1890 (d).
8. Index of Specifications (e).

## DESIGNS.

(Search fee, 1s. each quarter of an hour.)

1. Register of Designs, with Index of Names of Proprietors.
2. Classified Representations of Designs in respect of which Copyright has expired.
3. Index of Designs.

## TRADE MARKS.

(Search fee, 1s. each quarter of an hour.)

1. The files relating to all applications for registration of trade marks.
2. Register of Applications for Registration of Trade Marks.
3. Register of Trade Marks.
4. Index of Applicants for Registration of Trade Marks (f).
5. Index of Trade Marks.
6. Classified Representations of Trade Marks, with indexes.

## MISCELLANEOUS.

Register of Patent Agents.

## FORMS AND PUBLICATIONS.

The following forms, &c., may be had on application at the Patent Office, Wellington, or at any of the local Patent Offices named below:—

Application for letters patent.

Provisional specification.

Complete specification and copy thereof.

Application for registration of design.

Application for registration of trade mark.

Applications for extension of time.

Requests by subsequent proprietor to enter name on Register of Patents and Trade Marks.

Printed sheets of information as to fees and procedure to obtain letters patent and to register a trade mark (g).

Pamphlet containing Act and Regulations (price 1s.).

(a) Key is in card index.

(b) This Register contains only names of subsequent proprietors of letters patent granted prior to 1st January, 1890; since that date they appear in Register of Patents.

(c) Includes all names of applicants, &c., and consists of four volumes to 4th November, 1903, and card index since that date. A separate card index is kept for current quarter.

(d) The names of proprietors of subsequent letters patent appear in the Index of Patentees.

(e) Contains classified abridgments of specifications from 1861, with extracts from drawings from July, 1904.

(f) Names of applicants for registration and proprietors of trade marks are indexed at the beginning of the Registers up to 31st December, 1889; in separate volume up to 5th September, 1904; and since the latter date in card index.

(g) May also be obtained at any local Patent Office or money-order office.

*Official Publications.*

THE following publications may be obtained from the Government Printer, Wellington:—

Printed specifications to the end of the year 1879.

Annual lists of letters patent and letters of registration applied for, and particulars of applications lapsed, and patents lapsed, from 1880 to 1888 inclusive.

Annual reports of the Registrar, containing alphabetical lists of applicants for letters patent and of inventions patented from 1889 to 1905 inclusive.

The Patents Supplement to *Gazette* (containing notifications, applications for letters patent, abridged descriptions and drawings of inventions, &c.), published fortnightly.

Local Patent Offices.

LOCAL Patent Offices for supplying forms and for receiving applications for transmission to the Patent Office without extra charge have been established at the following places:—

- |              |                           |
|--------------|---------------------------|
| Auckland     | } Supreme Court Offices.  |
| Gisborne     |                           |
| Napier       |                           |
| Nelson       |                           |
| Blenheim     |                           |
| Christchurch | } District Court Offices. |
| Dunedin      |                           |
| Thames       |                           |
| Wanganui     |                           |
| Greymouth    |                           |
| Timaru       |                           |
| Oamaru       |                           |
| Ashburton    |                           |
| New Plymouth |                           |
| Westport     |                           |
| Hokitika     |                           |
| Invercargill |                           |
| Queenstown   |                           |

PATENT AGENTS.

A list of registered patent agents may be obtained on application.

Patent Office Agents appointed.

Department of Justice,  
Wellington, 25th July, 1907.

HIS Excellency the Governor has been pleased to appoint

JOHN NELSON NALDER, and  
JAMES NOBLE STENHOUSE

to be Patent Office Agents at Hokitika and Westport respectively.

JAMES MCGOWAN.

Applications for Letters Patent filed.

LIST of applications for Letters Patent filed. (Where a complete specification accompanies an application an asterisk is affixed; in all other cases a provisional specification has been lodged. In all cases where the applicant is not the inventor the name of the latter appears in italics after the title.)

- No. 23099.—8th July.—E. Christie, Masterton, N.Z.  
Tent, marquee, &c.
- No. 23100.—A. H. and D. J. Byron and R. R. Richmond,  
Wellington, N.Z.  
Expansion-joint for steel and iron structures.\*
- No. 23101.—5th July.—J. W. Butterworth, Richmond,  
Auckland, N.Z.  
Electric fire-alarm.
- No. 23102.—6th July.—Aktieselskabet Burmeister and Wains,  
Maskin-og Skibsbyggeri, Copenhagen, Denmark.  
Avoiding formation of rust in tinned-iron tanks or vessels.\*
- No. 23103.—9th July.—J. A. Merrett, Levin, N.Z.  
Flax-dressing apparatus.\*
- No. 23104.—9th July.—H. Reynolds, Christchurch, N.Z.  
Race-starting machine.\*
- No. 23105.—3rd July.—E. St. G. Tucker, Wanganui, N.Z.  
Device to prevent corks blowing out of bottles.\*
- No. 23106.—10th July.—A. J. Baker, Adelaide, South  
Australia.  
Crutch.\*
- No. 23107.—10th July.—P. C. C. Isherwood, Wealdstone,  
Eng.  
Treatment of zinc-lead ores.\*  
(Date applied for under section 106,  
19th July, 1906.)
- No. 23108.—10th July.—T. L. Smith, Milwaukee, U.S.A.  
Rotary mixing-machine.\*
- No. 23109.—10th July.—T. L. Smith, Milwaukee, U.S.A.  
Mortar and concrete mixing machine.\*
- No. 23110.—10th July.—T. West, Feilding, N.Z.  
Estimating-instrument.\*
- No. 23111.—10th July.—A. H. Borgström, Hangö, Finland.  
Pump for thick-liquid substances.\* (E. H.  
Anderson.)

- No. 23112.—10th July.—J. Ward, Grange-over-Sands, Eng.  
Manufacture of tar-paving.\*
- No. 23113.—10th July.—W. E. Hughes, Wellington, N.Z.  
Sheet-inverting apparatus for use with printing-machines.\* (Linotype and Machinery,  
Limited—T. M. Norton and T. R. G. Parker.)
- No. 23114.—10th July.—W. E. Hughes, Wellington, N.Z.  
Producing incandescent mantles.\* (H. C.  
Albrecht.)
- No. 23115.—10th July.—Humphries Patent Bracket and  
Scaffolding Company, Limited, Wellington,  
N.Z.  
Scaffolding. (P. Pickering.)
- No. 23116.—11th July.—L. G. Porter, Wellington, N.Z.  
Letters for shop-fronts and general advertising.\*
- No. 23117.—11th July.—P. Browne, Waikino, N.Z.  
Sights for guns.
- No. 23118.—8th July.—J. H. Adams, Auckland, N.Z.  
Checking and preventing skidding of locomotives, &c.
- No. 23119.—11th July.—J. D. Kelly and T. Taylor, Wellington, N.Z.  
Delivering liquors from bottles.
- No. 23120.—11th July.—D. Amey, Maffra, Vic.  
Agricultural implements.
- No. 23121.—8th July.—A. Raky, Erkelenz, Germany.  
Deep-boring apparatus.\* (W. Schott.)
- No. 23122.—8th July.—G. H. MacEwan, Dunedin, N.Z.  
Agitating apparatus for milk, &c.
- No. 23123.—11th July.—W. Andrews, Wellington, N.Z.  
Stamping appliance.
- No. 23124.—11th July.—Manufacturers' Machine Company,  
Montclair, U.S.A.  
Channelling-machine.\* (C. P. Stanbon.)
- No. 23125.—11th July.—F. W. Everett, Quirindi, N.S.W.  
Ticket-holder.
- No. 23126.—8th July.—H. G. Bedell, Westport, N.Z.  
Toe-clip finder.
- No. 23127.—10th July.—J. S. Nicholson, Huntly, N.Z.  
Fittings for friction clutches.
- No. 23128.—10th July.—A. J. Park, Onehunga, N.Z.  
Tow-slicer-producing machine.\*
- No. 23129.—12th July.—F. H. Frankland, Wellington, N.Z.  
Disinfecting water-closets, &c.\*
- No. 23130.—12th July.—J. Burns, Christchurch, N.Z.  
Boring-tool for use with lathes, &c.
- No. 23131.—9th July.—R. T. Bush, Thames, N.Z.  
Gold-saving ripple.
- No. 23132.—13th July.—D. Amos and H. J. Carroll, Wellington, N.Z.  
Trolley-head.
- No. 23133.—12th July.—D. Matheson, Berwick, N.Z.  
Agricultural implement.
- No. 23134.—11th July.—C. H. Bincroft, Auckland, N.Z.  
Cleaning chimneys and flues by suction.\*
- No. 23135.—15th July.—H. Owen and G. T. Vaughan, Wellington, N.Z.  
Destination-signs for tram-cars, &c.\*
- No. 23136.—15th July.—A. Billens, Christchurch, N.Z.  
Marking-device.
- No. 23137.—15th July.—A. S. Hasell and J. W. Wilson,  
New Plymouth, N.Z.  
Driving or riding coat.
- No. 23138.—13th July.—W. M. Fyfe, Dunedin, N.Z.  
Ambulance-stretcher.
- No. 23139.—16th July.—R. McGaffin, Hastings, N.Z.  
Flax catcher, shaker, and washer.
- No. 23140.—16th July.—R. McGaffin, Hastings, N.Z.  
Conveying green flax to stripper.
- No. 23141.—16th July.—F. J. Jackson, Otakeho, N.Z.  
Hydraulic ram.\*
- No. 23142.—16th July.—E. S. Baldwin and H. H. Rayward,  
Wellington, N.Z.  
Compression of air on motor-cars, &c., and  
utilitation of same.
- No. 23143.—17th July.—A. V. Mudgway, Kaikora North,  
N.Z.  
Embrocation.
- No. 23144.—17th July.—G. Tate, Christchurch, N.Z.  
Velocipede, &c., driving-gear.
- No. 23145.—17th July.—A. Clegg, Hornby, N.Z.  
Preventing a horse's front legs from knocking  
together.
- No. 23146.—18th July.—M. A. Grant, Richmond, Vic.  
Auriferous-clay roaster and grinding elevator.\*
- No. 23147.—18th July.—M. A. Grant, Richmond, Vic.  
Conversion of residues of burnt auriferous clay  
into bricks, pottery, &c.\*

- No. 23148.—18th July.—E. Frost, Dunkeld, Vic.  
Riding-saddle.
- No. 23149.—18th July.—L. Rudeman, London, Eng.  
Connecting ends of driving-belt.\*
- No. 23150.—18th July.—A. S. Francis, London, Eng.  
Incandescent-gas burner.\*
- No. 23151.—18th July.—J. B. Evans, Corryong, Vic.  
Fumigating rabbit-burrows.
- No. 23152.—18th July.—A. E. Callow, Ballarat, Vic.  
Staple.
- No. 23153.—18th July.—A. T. Bate, Wellington, N.Z.  
Electric furnace. (*W. Moseley.*)
- No. 23154.—18th July.—S. J. Nielsen, Copenhagen, Denmark.  
Keyless lock.\*
- No. 23155.—18th July.—E. Ludvigsen, Copenhagen, Denmark.  
Cash-register.\*
- No. 23156.—18th July.—Manufacturers Machine Company, Montclair, U.S.A. Welt-cutting machine. (*C. P. Stanbon.*)
- No. 23157.—18th July.—Manufacturers Machine Company, Montclair, U.S.A.  
Channel-flap layer. (*W. H. Hooper.*)
- No. 23158.—18th July.—Manufacturers Machine Company, Montclair, U.S.A.  
Forming and driving metallic fasteners. (*P. R. Glass.*)
- No. 23159.—18th July.—Manufacturers Machine Company, Montclair, U.S.A.  
Buffing machine for boots and shoes. (*J. E. Leavitt.*)
- No. 23160.—18th July.—Manufacturers Machine Company, Montclair, U.S.A.  
Stitch-impression finishing-machine. (*J. J. Heys.*)
- No. 23161.—18th July.—R. A. Stoddard, St. Albans, N.Z.  
Belt-fastener.
- No. 23162.—19th July.—C. Giorgi and W. Robinson, Palmerston North, N.Z.  
Candlestick.
- No. 23163.—16th July.—G. H. Lester, Remuera, N.Z.  
Curtain-pole lifter.
- No. 23164.—19th July.—G. Carrington, Wanstead, N.Z.  
Machine for counting sheep, &c.
- No. 23165.—19th July.—T. C. Bragge, Wellington, N.Z.  
Chalk-suspender for billiards.
- No. 23166.—19th July.—C. S. Newson, Wellington, N.Z.  
Vacuum-cleaner.
- No. 23167.—19th July.—G. W. Russell, Christchurch, N.Z.  
Rail-joint.
- No. 23168.—19th July.—A. D. Blythe, Auckland, N.Z.  
Window-sash fastener.
- No. 23169.—17th July.—A. L. J. Tait, Dunedin, N.Z.  
Envelope or wrapper combined.\*
- No. 23170.—18th July.—C. H. Bincroft, Auckland, N.Z.  
Telephone system for railway cars, &c.
- No. 23171.—17th July.—P. Bock, Auckland, N.Z.  
Bakers' bread-record.
- No. 23172.—17th July.—H. T. George, Onehunga, N.Z.  
Galvanised iron weather-sheeting.
- No. 23173.—22nd July.—J. E. Friend, Annandale, Sydney, N.S.W.  
Rotary engine.\*
- No. 23174.—18th July.—R. Hood, Auckland, N.Z.  
Box-lid.
- No. 23175.—19th July.—A. McCorkindale, Lawrence, N.Z.  
Distance-measurer.
- No. 23176.—19th July.—A. L. J. Tait, Woodhaugh, N.Z.  
Tire.

*Complete Specifications filed after Provisionals.*

LIST of complete specifications filed after provisional specifications, from the 13th to 22nd July, 1907, inclusive:—

- No. 21897.—A Ridd, milking-machine.  
No. 21904.—G. T. Booth, flax-stripper.  
No. 21915.—W. C. Southgate, tarring and sanding streets.  
No. 21918.—R. A. Bradbury, hat.  
No. 21920.—J. E. Crowle, lifting-jack.  
No. 21924.—J. T. Reece, tent, &c., frame.  
No. 21927.—W. J. and E. S. Henry, music-book holder.  
No. 21942.—E. Seagar, antimony-cruding furnace.  
No. 21988.—J. A. Belk, window.  
No. 22349.—J. Gascard and R. Shimmen, potato-grader.  
No. 22655.—J. B. Davies and H. Bell, nail-making machine.  
No. 22855.—B. E. Colson, hat-fastener.

*Notice of Acceptance of Complete Specifications.*

Patent Office,  
Wellington, 24th July, 1907.

COMPLETE specifications relating to the undermentioned 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 of opposition to the grant of any such patent. Such notice must set forth the particular grounds of objection, and be in duplicate. A fee of 10s. is payable thereon.

No. 21014.—19th April, 1906.—FREDERICK WILLIAM BLISS, of Woodville, New Zealand, Sheep-farmer. An improved gate-hinge.\*

*Claim.*—The improved gate-hinge, comprising the combination with a staple having a lug projecting laterally from its top end, of an eye or socket piece, the eye or socket of which is adapted to fit on to the staple, and is formed with a groove or depression extending down its inner surface adapted to pass over the lug on the staple, substantially as and for the purpose specified, and as illustrated in the drawings.

(Specification, 2s. 6d.; drawing, 1s.)

No. 21158.—17th May, 1906.—FREDERICK WILLIAM EDMUND GABRIEL, of Waratah, Albion Road, Albion, near Brisbane, Queensland, Australia, Civil Servant. An improved turnstile.\*

*Claims.*—(1.) In an improved turnstile, consisting of a gate hung from a fixed point or from a sliding frame, and provided with means which tend to keep it open—automatic means also being provided for holding the gate shut so long as desired—said gate having a turnstile at its outer end, as and for the purposes set forth, and as illustrated in the drawings. (2.) In an improved turnstile, consisting of a gate hung from a fixed point or from a sliding frame, and provided with means which tend to keep it open—automatic means also being provided for holding the gate shut so long as desired—said gate carrying a turnstile at its outer end, consisting of radial arms pivoted to the centre post, and means which, while they hold the arms up when the gate is closed, allow them to fall when the gate is opened, as and for the purposes set forth, and as illustrated in the drawings. (3.) In an improved turnstile, the combination of the gate and turnstile as claimed in claims 1 and 2, with a recess formed in or against the wall of the passage, and provided with a door fitted with means for holding said door in its opened position, but capable of being operated by the opening of the gate for the purpose of releasing and allowing said door to close the recess, as and for the purposes described and illustrated.

(Specification, 6s.; drawing, 1s.)

No. 21176.—22nd May, 1906.—JOSEPH DAWSON, of Wellington, New Zealand, Bridge-builder. Improvements in the construction of bridges.

*Claims.*—(1.) In bridges having the sides composed of top and bottom rails connected together by tie-bolts and trusses, the combination with vertical tie-bolts passing through both rails and the joists of the bridge, of hollow pillars or distance pieces extending between the rails and through which the tie-bolts are passed, and of truss-bolts extending diagonally upwards through the bottom rail from a point on one side of each tie-bolt, and through the top rail to a point upon the farther side of the tie-bolt next in order, substantially as specified. (2.) In bridges having the sides composed of top and bottom rails connected together by tie-bolts and trusses, the combination with vertical tie-bolts passing through both rails and the joists of the bridge, of hollow pillars or distance pieces extending between the rails and through which the tie-bolts are passed, substantially as specified. (3.) The improvements in the construction of bridges, substantially as described and explained, and as illustrated in the drawings.

(Specification, 3s. 6d.; drawing, 2s.)

No. 21278.—7th June, 1906.—JOHN SMAILL, of Magnetic Street, Port Chalmers, New Zealand, Engineer. Improved heating system for buildings.\*

*Extract from Specification.*—According to my invention, if the boiler is located outside, a pipe or pipes is carried from the boiler underneath the floor of the building to be heated and into the room. If the boiler is within the room, the pipes are carried from it round the room, as presently

described. In the case of a building such as a schoolroom, having the floor constructed with galleries or stepped portions on which the seats are placed, the pipes are carried to the highest part of the floor, and thence the pipes are carried the whole length of the room for as many times as required. The pipes are fitted to the front of the galleries or stepped portions of the floor, starting at the highest and coming down at the ends to the next gallery, and so on in succession. The pipes are then carried to the front of the room, where sufficient pipe-surface is exposed to give the required temperature, and thence to the outlet, or the condensed steam may be trapped and carried up to and discharge into an overhead tank, the condensed steam first passing through a coil condenser located in said tank, the warm water passing thence back to the boiler. The pipes are fitted neatly to the galleries with clips, allowing room for sweeping, and having a slight fall to the outlet. Taps are also fitted to allow of all the water being drawn off at any time to prevent rupture through frost. In the case of a room without galleries, the pipes are neatly disposed round the skirting-boards and under seats and tables, and protected by gratings. Where it is not convenient to lay the pipes in the room to be heated, the pipes may be laid under the floors, and vents or openings made in the floor, such openings being carried above the floor to prevent dust falling down, and a grating is fitted over each opening. The naked pipes may be located under the floor in sections, and supplied with steam through small insulated pipes, the said sections or groups or coils of naked pipes having full-size outlets.

[NOTE.—The above extract from the specification is inserted in place of the claims.]

(Specification, 3s. 9d.)

No. 21427.—11th July, 1906.—UNITED SHOE MACHINERY COMPANY, of Paterson, State of New Jersey, United States of America, a corporation duly organized under the laws of said State of New Jersey, and having a place of business at 205 Lincoln Street, Boston, Commonwealth of Massachusetts, United States of America (a-signees of Erastus Edwin Winkley, of Lynn, Essex, Massachusetts, Mechanical Engineer). Improvements in or relating to the supporting and positioning of the work in machines used in the manufacture of boots and shoes.\*

*Extract from Specification.*—The present invention contemplates the provision in a machine for operating upon boots and shoes of a jack for supporting the shoes and means for relatively actuating the jack and the portion of the machine-frame in which the operating tool or tools are mounted to bring the shoe into the proper position with relation to the tool or tools as the point of operation of the tool or tools is transferred around the shoe. The relative movements of the shoe-supporting jack and the portion of the machine-frame which supports the tool or tools may be produced by moving either the frame of the machine or the jack, and consist of tipping movements to maintain the portion of the sole in proximity to the tool or tools in the proper plane with relation to the tool or tools, and of lateral turning movements to maintain the edge of the sole parallel to the line of feed. In a machine in which the shoe is manipulated by the operator, the tipping movements and lateral turning movements which are imparted to the shoe take place about the point of operation of the tool or tools as a centre, and thus the movements imparted to the shoe do not displace the shoe with relation to the tools. In accordance with a feature of the present invention, the relative movements which are imparted to the jack and the portion of the frame which supports the tool or tools take place about a centre substantially coincident with the point of operation of the tool, so that the machine in its operation approximates very closely the operation of a machine in which the shoe is manipulated by hand, no substantial displacement of the shoe with relation to the tools being produced by the relative movements, and the work is performed in as satisfactory a manner as when the shoe is manipulated by hand, and the results produced are more uniform. In addition to the features of invention above referred to, the present invention also consists in certain devices, combinations, and arrangements of parts described, the advantages of which will be obvious to those skilled in the art. The present invention may be embodied in any machine for operating upon boots and shoes in which the shoe is supported upon a jack and the point of operation of the tool or tools is transferred around the shoe. In the best form of the invention which has yet been devised, however, it is embodied in a shoe-sewing machine adapted for sewing together the upper and insole of a turn shoe, or the upper, insole, and welt of a welted shoe.

[NOTE.—The above extract from the specification is inserted in place of the claims.]

(Specification, £1 3s. 9d.; drawing, 12s.)

No. 21455.—17th July, 1906.—JOHN ALFRED MERRETT, of Grey Street, Palmerston North, New Zealand. Improvements in apparatus for treating New Zealand flax.\*

*Claims.*—(1.) In combination with a flax-stripper, a funnel below the stripper and adapted to catch the fibre as it falls therefrom, means for conveying fibre from the funnel, a peg on which the conveying mechanism deposits the fibre, an endless belt mounted on rollers in a water-tank, and holders projecting from the belt and adapted to take the fibre from the peg, substantially as set forth. (2.) In mechanism described in claim 1, the employment of a tube around the rim of the funnel, and supplied with water under pressure, and holes from the tube into the funnel, high-pressure water-jets for further cleansing the fibre and forcing downwards upon the peg, substantially as set forth. (3.) The combination and arrangement of parts comprising the improvements in apparatus for treating New Zealand flax, substantially as and for the purposes specified and illustrated in the drawing.

(Specification, 5s.; drawing, 2s.)

No. 21456.—17th July, 1906.—JOHN ALFRED MERRETT, of Grey Street, Palmerston North, New Zealand. Improvements in apparatus for handling the fibres of New Zealand flax.\*

*Claims.*—(1.) For the purpose indicated, rotatable arms adapted to fall vertically, and a fixed cam guiding the arms from a horizontal to a vertical position, and *vice versa*, substantially as set forth. (2.) In combination with arms and a cam described in claim 1, fingers pivoted on the extremity of the arms, and means for operating the fingers, substantially as set forth. (3.) In combination with arms and fingers described in claim 2, rods connected to the fingers, springs in compression on the rods, bosses on the rods, pins projecting from the bosses, and a cam contacting with the pins and releasing them when the arms are vertical, substantially as set forth. (4.) For the purpose indicated, rotatable bifurcated arms adapted to fall vertically, fingers pivoted upon the extremities of the bifurcations, bifurcated links pivoted to the fingers, means for operating the links, and a shield for preventing flax from contacting with the links, substantially as set forth. (5.) The combination and arrangement of parts comprising the improvements in apparatus for handling the fibres of New Zealand flax, substantially as and for the purposes specified, and as illustrated in the drawing.

(Specification, 6s.; drawing, 3s.)

No. 21542.—31st July, 1906.—CHARLES RICHARD MASSEY, of Auckland, New Zealand, Engineer. An improved frame for use in the formation of reinforced-concrete piles and like structures.\*

*Claim.*—The improved frame for use in the formation of reinforced-concrete piles and like structures, comprising corner bars having brackets formed thereon, with sockets formed within the brackets, and rods extending transversely between the corner bars, and having their ends fitting within the sockets of the brackets, substantially as specified.

(Specification, 1s. 9d.; drawing, 1s.)

No. 21558.—27th July, 1906.—ALFRED ORR, of Balfour Southland, New Zealand, Farmer. An improved turnip-thinning attachment.\*

*Claims.*—(1.) The combination with a ridging-machine or the like of a separate attachable turnip-thinning apparatus, adjustable to the inequalities of the ground, substantially as described. (2.) The combination with a ridging-machine or the like of a turnip-thinning apparatus connected at one end to the machine, and having its other end carrying the hoes, and suspended from the machine by a spring so that the end carrying the hoes may be depressed to adjust the hoes to inequalities of the ground, substantially as described. (3.) The combination with a turnip-thinning apparatus of a shield (25) for preventing the thinned-out plants from being thrown into the adjoining drills, substantially as described. (4.) The complete turnip-thinning apparatus for attachment to a ridging-machine or the like, substantially as described or illustrated in the drawings.

(Specification, 3s.; drawing, 1s.)

No. 21581.—3rd August, 1906.—ROBERT MARTIN CROSBIE, of 341 Cumberland Street, Dunedin, New Zealand, Engineer. Improved machine for grinding flax-beater roller.\*

*Claim.*—In an improved machine for grinding flax-beater rollers of the kind described, in combination, a cast-iron sole-plate No. 1, with fork-bracket and pivot-sugs, pulley No. 3, with adjustable bearings No. 7, and

spindle No. 2, taking emery-wheel No. 4, and hand lever No. 5, pivoted to end of sole-plate, links No. 6, with swivel collar No. 10, feed-screws No. 8, with hand wheel No. 9, and jockey-pulley No. 11, and links No. 12, substantially as described in the specification and illustrated in the drawings.

(Specification, 2s.; drawing, 1s.)

No. 21608.—9th August, 1906.—JOHN PEARSON HORNER, of Auckland, New Zealand, Saddler. An improved shaft-tug.\*

*Claim.*—A shaft-tug or bearer made of metal, with two loops cast into it, and with a metal pin secured into it for purpose described.

(Specification, 1s. 6d.; drawing, 1s.)

No. 21670.—21st August, 1906.—JAMES DOUGALD MCLAURIN, of Pohangina, New Zealand, Carpenter. An improved toaster and grillier.\*

*Claims.*—(1.) A toaster and grillier, comprising, in combination, an upper plate attached to the branching arms of the handle, and a lower plate to which the rack is attached, the two plates being connected by a centre pin or rivet in such manner as to allow of the rack turning round with a swivel motion. (2.) A toaster and grillier, comprising, in combination, two plates having a rivet-hole in the centre of their surfaces and a pin-shaped prolongation at each end, which pins on the upper plate fit loosely into the loops at or near the ends of the arms of the handle, and on the lower plate into the loops at the ends of the arms of the rack in such manner as to allow the various parts to move freely, substantially as shown and described. (3.) A toaster and grillier, comprising, in combination with the other parts set forth and described, a controlling wire to cause the rack to revolve as described. (4.) A toaster and grillier, comprising, in combination, a rest to support the weight and act as a fulcrum, by means of which the rack may be raised or lowered as desired, the whole substantially as described and shown in the drawing.

(Specification, 2s. 9d.; drawing, 1s.)

No. 21696.—28th August, 1906.—JAMES DOUGALD MCLAURIN, of Pohangina, Manawatu, New Zealand, Carpenter. An improved device for cleaning lamp-glasses.\*

*Claims.*—(1.) A device for cleaning lamp-glasses, comprising, in combination, two wires shaped to fit the inside of the lamp-glass when expanded, together with a handle part so shaped that when compressed it will cause the said wires to expand, substantially as shown and described. (2.) A device for cleaning lamp-glasses, comprising, in combination, two wires shaped to fit the inside of the lamp-glass when expanded, together with a handle part so shaped that when compressed it will cause the said wires to expand and a small cross of thin metal to clip and be soldered to the two top bars to keep them in position, substantially as described. (3.) A device for cleaning lamp-glasses, comprising, in combination, two wires shaped to fit the inside of the lamp-glass when expanded, together with a handle part so shaped that when compressed it will cause the said wires to expand and a small cross of thin metal to clip and be soldered to the two top bars to keep them in position, together with a piece of thin metal shaped like a cross and adapted to form four small cylinders at right angles to each other and connected in the centre to act as a guide and position-retainer for the cross-bars of the handle, substantially as described.

(Specification, 2s. 6d.; drawing, 1s.)

No. 21745.—1st September, 1906.—WILLIAM HENRY PATTERSON, of Otahuhu, Auckland, New Zealand, Veterinary Surgeon, and GEORGE BENNETT JONES, of Auckland aforesaid, Accountant. A roller tug for harness.\*

*Claims.*—(1.) The roller tug for harness specified, consisting of the tug having a plate fitted within lower end thereof, a bolt fixed to within and through said tug and plate, and two rollers, one internal to the other, mounted on said bolt, the outer roller being shorter than the inner roller, in combination, for the purpose set forth as described and illustrated. (2.) In the roller tug for harness covered by claim 1, the two rollers, one being internal to the other, mounted on bolt, fixed to within and through tug and plate, the outer roller being shorter than the inner roller, for the purpose set forth as described and illustrated.

(Specification, 2s. 6d.; drawing, 1s.)

No. 21748.—6th September, 1906.—WALTER LEVINSON, of 179 Armagh Street, Christchurch, Canterbury, New Zealand, Manufacturers' Agent. Improvements in water-cooled chambers.\*

*Claims.*—(1.) In a water-jacketed chamber having a water-jacketed door, means for circulating water throughout the water-jackets, substantially as set forth. (2.) In combination with a water-jacketed chamber having a water-jacketed door, a partition dividing the water-jacket of the chamber into compartments, a water-admission pipe extending to the bottom of one compartment, a flexible tube connecting the top of this first compartment to the top of the door-jacket, a pipe extending from the flexible tube to the interior and bottom of the water-jacket, a pipe connected to the top of the door-jacket and extending across the inner side of the door, a flexible pipe connecting this said pipe to the top of the second compartment, a pipe extending from the flexible pipe across the top and interior of this compartment and down the back thereof, and a draw-off cock at the top of the second compartment, substantially as set forth. (3.) The combination and arrangement of parts comprising the improvements in water-cooled chambers, substantially as and for the purposes set forth and illustrated.

(Specification, 3s. 3d.; drawing, 1s.)

No. 21755.—6th September, 1906.—PATRICK MAHER, of Cloverton Farm, Wendonside, New Zealand, Farmer. Improvements in draw-gear for vehicles.\*

*Claims.*—(1.) Draw-gear for vehicles, comprising two pulleys mounted on the front axle behind the shafts respectively, a chain passing round said pulleys, and draw-rods lying along the shafts and connected by other chains round other pulleys to the ends of said chain respectively, and extending forward of the ends of the shafts, substantially as described. (2.) Draw-gear for vehicles according to claim 1, in combination with draw-rods connected to the centre of the chain passing round the pulleys on the axle and extending forward under the two inner shafts for use with a horse in the lead, substantially as described. (3.) The general construction, arrangement, and combination of parts composing my improvements in draw-gear for vehicles, substantially as described or illustrated in the drawings.

(Specification, 1s. 9d.; drawing, 1s.)

No. 22455.—5th March, 1906.—CHECKOGRAM LIMITED, of 33 Southampton Street, Strand, London, W.C., England (assignee of James John Stockall, jun., of 10 Clerkenwell Road, London, England). Improvements in and relating to apparatus for automatically checking and registering the issue of tickets.

[NOTE.—This is an application under section 106 of the Act, the date given being the official date of the application in Great Britain.]

*Claims.*—(1.) In apparatus for checking and registering the issue of tickets, the devices for controlling the manipulation of the apparatus in operation, for rendering the apparatus inoperative until the ticket is fully inserted, and for registering the specific value of each ticket indorsed together with each operation of the apparatus upon indicators or the like situated at any convenient distance therefrom, substantially as described. (2.) In apparatus of the kind referred to in the first claiming clause hereof, the circuit-closing devices consisting of the spring-urged circuit-closing spindles *t*, the springs *l*, the cover-plates *m*, the insulated wires *g*, and binding-screws *r*, substantially as and for the purposes described. (3.) In apparatus of the kind referred to in the first claiming clause hereof, the locking-device, consisting of the pivoted spring-urged pawl *s*, the pawl-lever *t*, and the cam *v*, substantially as described. (4.) In apparatus of the kind referred to in the first claiming clause hereof, the tickets from which portions have been removed at positions corresponding, when the ticket is fully inserted, to the positions occupied by the devices for closing the circuits of an electric indicator so as to automatically register the peculiar value of each ticket, substantially as described. (5.) In apparatus of the kind referred to in the first claiming clause hereof, the rocking-shaft *f*, the operating-lever *g*, the spring-centred trip *x*, and the notched sector *2* combined and operated, substantially as described. (6.) In apparatus of the kind referred to in the first claiming clause hereof, the step-by-step rotated main circuit-controlling device, consisting of the rotating ratchet *5* with contact device attached, the spring-urged pawl *8*, and the stationary sleeve *6*, substantially as and for the purposes described.

(Specification, 9s.; drawing, 3s.)

No. 22585.—23rd March, 1907.—JOHN ARCHIBALD STEELE, of Tamaheri, Waikato, Auckland, New Zealand, Farmer. Improvements in aprons of harvester-binders.

*Claims.*—(1.) For the purpose indicated, in combination with the apron of a harvester-binder, spreaders, pockets enclosing the spreaders and attached to the apron by stitching, substantially as set forth. (2.) For the purpose indicated, in combination with the apron of a harvester-binder, a spreader having loops at its ends and attached to the edges of the apron by rivets, and a pocket enclosing the spreader and attached to the apron by stitching, substantially as set forth. (3.) For the purpose indicated, in combination with the apron of a harvester-binder, spreaders attached at their ends to the edges of the apron, a pocket surrounding the spreader and attached to the apron by stitching, and ribs formed of rope or the like and attached by stitching to the apron, the ends of the rope being turned inwards, substantially as set forth.

(Specification, 2s. ; drawing, 1s.)

No. 22629.—2nd April, 1907.—INTERNATIONAL CIGAR MACHINERY COMPANY, a corporation organized and existing under and by virtue of the laws of the State of New Jersey, United States of America, with its principal office at No. 111 Fifth Avenue, New York, United States of America (assignee of Oluf Tyberg, of Point Loma, San Diego County, California, United States of America, Mechanical Engineer; William Stone Luckett, of East Orange, New Jersey, United States of America, Cigar-manufacturer; and Mathias Fogde, of Brooklyn, New York, United States of America, Machinist). Improvements in cigar machinery.

*Extract from Specification.*—This invention relates to certain improvements in cigar machinery. Machinery has been more or less extensively employed in making cigars of the cheaper variety, in which the filler consists of short pieces of tobacco, usually designated in the trade as "scrap." In making such cigars by machinery the bunches are first formed by bunch-machines. After the bunches are thus made they are placed in moulds, in which they are allowed to stand for a number of hours until the bunches are thoroughly shaped by the moulds and are dried out sufficiently to maintain their shape. The bunches are then removed from the moulds, and wrappers are applied thereto in wrapping-machines. This method of making cigars is not, however, applicable to making high-grade cigars, for the reason that the trade objects to mould-work in high-grade cigars, and insists that such cigars shall be of the kind known as "fresh-bunch" cigars. In the manufacture of "fresh-bunch" cigars, which has been heretofore exclusively carried on by hand, the filler is formed by the cigar-maker into the shape which the cigar is to have, and the maker then immediately applies the binder and wrapper thereto, the wrapper being thus applied while the bunch is damp or "green." In cigars of this character the smoking qualities and the excellence of the cigar depend not only upon the careful selection of filler-tobacco by the cigar-maker, but also upon the accuracy with which the filler is formed. The problem of making high-grade cigars by machinery therefore differs widely from the problem of making such cigars as depend upon a mould for the shaping of the bunch, and it has heretofore been found practically impossible to solve this problem because of the difficulties, first, in properly forming the bunch, and then in handling it while it is damp or fresh. The present invention has for its principal object to provide an organized machine for making cigars of the fresh-bunch type, although certain of the mechanisms employed are capable of use in machines which are intended to be used for making cigars of other than the fresh-bunch type. The invention embraces improvements in the mechanism for forming the filler tobacco and in preparing fillers therefrom, and also includes improvements in the various mechanisms which are necessarily employed to present the formed filler to the bunch-making mechanism and to the wrapping mechanism, and also includes improvements in the wrapping mechanism by which it is particularly adapted for use with the particular class of bunches to be wrapped, and also includes mechanisms by which the wrapped cigar is completed or finished; machines built in accordance with the invention being, therefore, capacitated to carry out all the operations necessary to the production of fresh-bunch cigars.

[NOTE.—The above extract from the specification is inserted in place of the claims.]

(Specification, £2 2s. 3d. ; drawing, 13s.)

No. 22781.—4th May, 1907.—ALBERT MANVERS, Musician, and HENRY PHILLIPS, Clerk, both of 51 Regent Street, Sydney, New South Wales, Australia. Improved apparatus for creating and maintaining a vacuum.

*Claims.*—(1.) In apparatus for creating a vacuum, an outer casing adapted to be connected to the vessel to be exhausted, a tube in sections axially within the outer casing, such tube being adapted to be connected with a suitable water-supply under pressure, collars connecting the adjacent sections of tube together, and perforations in the collars whereby communication is established between the interior of the casing and the interior of the tube, as specified. (2.) In apparatus for creating a vacuum, an outer casing adapted to be connected to the vessel to be exhausted, a tube in sections axially within the outer casing, such tube being adapted to be connected with a suitable supply of water under pressure, and a perforated disc placed at the inner end of the first section of tube whereby the column of water in the tube may be split up into a number of smaller columns, as set forth. (3.) In apparatus for creating a vacuum, an outer casing hermetically sealed against the outer air, means for connecting such casing with the vessel to be exhausted, a tube in sections axially placed within the outer casing, means for connecting the first section of the tube with a suitable supply of water under pressure, a perforated disc terminating the first section of the tube, collars to connect the adjacent sections of tube together, such collars having perforations whereby communication is established between the inside of the casing and the inside of the tube, all as and for the purposes specified. (4.) In apparatus for creating a vacuum, a hermetically sealed outer casing, a tube in sections axially within the casing, perforated collars for connecting together the sections of tube, a bulbous cover entirely covering the discharge end of the apparatus, such cover being screwed over the end of the outer casing, and a discharge or waste pipe leading from the bulbous cover, as and for the purposes set forth. (5.) The general arrangement, construction, and combination of parts in the improved apparatus for creating and maintaining a vacuum as described, as illustrated in the drawings, and for the several purposes specified.

(Specification, 4s. 3d. ; drawing, 1s.)

No. 22786.—8th May, 1907.—WILLIAM HENRY MOUNSEY, of Aveland Avenue, North Norwood, South Australia, Engineer. Improved matrix-cleaner for linotype machines.

*Claim.*—In linotype-machines, two or more brushes attached to the intermediate elevator channel-plate, and two or more brushes attached to the front and back plate of the distributor-box for the purpose of automatically brushing and cleaning both sides of the matrices after they have been used for forming a line of type and before they are distributed into the magazine, all substantially as described in this specification and shown in the drawings.

(Specification, 2s. 6d. ; drawing, 1s.)

No. 22787.—8th May, 1907.—WILLIAM HENRY MOUNSEY, of Aveland Avenue, North Norwood, South Australia, Engineer. Improved knife-block and knife for linotype-machines.

*Claims.*—(1.) In knife-blades of linotype-machines, a right-hand knife made in sections for the purpose of adjusting the different sections to allow various kinds of type letters to pass through for trimming. (2.) In knife-blocks of linotype-machines, a right-hand knife made in sections, each section having attached thereto a sliding rod moving in a groove or bearing and supplied with a notch to enable the knife section to be adjusted as may be required in the trimming of lines formed of various two-line letters in a single-line bar. (3.) In the knife-blocks of linotype-machines, having a right-hand knife-blade made in sections, and such sections having attached thereto sliding rods moving in grooves or bearings and having a notch in each rod, revolving rods turning in a bearing or hole and having at the outer ends handles to enable them to be turned, and also having at the other or inner end eccentric points fitting into the notches of the sliding rods attached to the sections of the knife-blades. (4.) In the knife-blocks of linotype-machines, having a right-hand knife in sections which can be adjusted, a number of plates with springs adjusting themselves to the varying thickness of a type-line having two-line letters for the purpose of exerting an even pressure on the type-line which is being trimmed. (5.) In the knife-block of linotype-machines, a right-hand knife-blade made in sections, each of these sections having a sliding rod working in a groove or bearing, and having a notch, and each sliding-rod being operated upon by an eccentric end

of a revolving-rod which turns in a hole or bearing, and which is supplied with a handle and a number of spring blades with springs behind them, and adjusting themselves to the varying thickness of a line formed of different-sized letters, all substantially as described and shown and forming a combination of parts.

(Specification, 3s. 6d.; drawing, 1s.)

No. 22809.—11th May, 1907.—CHIPMAN LIMITED, of 54 Margaret Street, Sydney, New South Wales, Australia, Merchants (nominee of Christian Wesp, of Buffalo, New York, United States of America, Inventor). Improvements in convertible vehicles.

*Claims.*—(1.) In a convertible vehicle, the combination of a front seat, and a rear seat mounted to slide toward the front seat and having a bottom which is movable out of its operative horizontal position to allow the rear seat to embrace the sides and back of the front seat, substantially as set forth. (2.) In a convertible vehicle, the combination of a stationary front seat, and a rear seat mounted to slide toward the front seat and comprising rigidly-connected sides and back and a bottom which is movable from between said sides to allow the rear seat to embrace the sides and back of the front seat, substantially as set forth. (3.) In a convertible vehicle, the combination of a stationary front seat comprising sides, a back, and a bottom all rigidly connected; and a rear seat which is of substantially the same form but of greater width than the front seat, and is mounted to slide toward the front seat, said rear seat comprising rigidly connected sides and back and a bottom which is movable from its operative position to allow the rear seat to embrace the sides and back of the front seat, substantially as set forth. (4.) In a convertible vehicle, the combination of a front seat, a rear seat mounted to slide toward the front seat and having a bottom which is movable out of its operative horizontal position to enable the rear seat to embrace the sides and back of the front seat, and means for supporting said bottom in operative position and which co-operate with said bottom to lock rear seat from forward movement, substantially as set forth. (5.) In a convertible vehicle, the combination of a front seat, a box projecting to the rear of the front seat, and a rear seat mounted to slide over said box toward the front seat and having a bottom which is movable from its operative position to allow the rear seat to embrace the front seat and to form a partial deck for said box, substantially as set forth. (6.) In a convertible vehicle, the combination of a front seat, a box projecting to the rear of the front seat, and a rear seat mounted to slide over said box toward the front seat and having a movable bottom, a deck-board hinged at its rear to said box and at its front to said bottom, being arranged to turn down and lowered with said deck-board a deck for said box, substantially as set forth. (7.) In a convertible vehicle, the combination of a front seat, a box projecting to the rear of the front seat, and a rear seat mounted to slide over said box toward the front seat and having a movable bottom, a deck-board hinged at its rear to said box and at its front to said bottom, a front support for said bottom connected to said deck-board, and rear supports for said bottom on the back of said rear seat, substantially as set forth. (8.) In a convertible vehicle, the combination of a front seat, a box projecting to the rear of the front seat, and a rear seat mounted to slide over said box toward the front seat, and having a bottom which is movable from its operative position to allow the rear seat to embrace the front seat, and to form a partial deck for said box, said bottom having at one edge a strip or cleat which bears on supports to hold the bottom in operative position and closes the space between the back of the rear seat and said box when the bottom is moved out of operative position and the rear seat is moved forwardly, substantially as set forth.

(Specification, 8s. 6d.; drawing, 3s.)

No. 22836.—16th May, 1907.—GEORGE EDWIN NOONAN, Carrier, ALBERT PETER FERGUSSON WATSON, Engineer, and GEORGE DAVID WATSON, Engineer, all of Christchurch, New Zealand. Improved means for attaching weights to trotting-horses' hoofs.

*Claims.*—(1.) The improved means for attaching weights to the hoofs of trotting-horses, the same consisting of eyes formed one on each edge of the weight, and straps secured to such eyes and adapted to be buckled around the hoof, substantially as specified. (2.) In means for attaching weights to the hoofs of trotting-horses, eyes formed one on each edge of the weight, and a backward projection upon the bottom edge of the weight adapted to pass between the hoof and the shoe, in combination with straps secured to the eyes and buckling around the hoof, substantially as specified.

(Specification, 2s. 3d.; drawing, 1s.)

No. 22875.—22nd May, 1907.—JOHN NERÉN, of Orebro, Sweden, Captain, and RHEIN GOLDKUHLE AND CO., a firm consisting of Albin Mauritz Goldkuhl and Harald Joseph Josephsson, of Gothenburg, Sweden, Wholesale Merchants. Improvements in balances for sashes.

*Claims.*—(1.) In balances for sashes, having a coiled balancing-spring placed around a spindle, by the turning of which the tension of the said spring is regulated, said spindle being normally prevented from turning by a spring-operated detent adapted to be released by a key or the like, the arrangement that the spring acting to normally keep the detent operative is placed within a bore or cavity in the part of the spindle to which the coiled balancing-spring is connected in order to make it possible to confine the whole tension-regulating device within the space occupied by the balancing-spring or its casing respectively, and thereby to reduce the apparatus to the least possible dimensions. (2.) In balances for sashes according to claim 1, the arrangement that the detent consists of a catch movable in a slot or groove in the spindle, and kept by the spring within the spindle in engagement with ratchet teeth or the like situated outside the spindle in fixed positions with relation to the latter. (3.) A modification of the arrangement set forth in claim 2, characterized by the catch being firmly connected to the spindle, said spindle being movable in its longitudinal direction with relation to the stationary ratchet teeth or the like. (4.) In sash-windows supported by balances according to claim 1, the arrangement that the spring or springs supporting the one edge of the sash are stronger than the spring or springs supporting the opposite edge thereof, in order to cause the sash to take up an oblique position in the frame, whereby the friction created between the frame and the sash will assist in retaining the sash in different positions. (5.) In sash-windows supported by balances according to claim 1, the arrangement of one or more elastic or spring-operated parts carried by the sash or by the frame respectively at one or both sides of the sash, said part or parts being adapted to co-operate with a projection or projections from the frame or from the sash respectively in such a manner that when the sash approaches its uppermost position the elastic or spring-operated part or parts are forced aside by the said projection or projections, said elastic or spring-operated parts being then allowed to retain their normal positions, so that they will rest on the projection or projections and contribute in sustaining the sash when the latter is left in its uppermost position. (6.) A constructional form of the arrangement set forth in claim 5, characterized by the elastic parts consisting of curved springs attached with their one ends to the sash while their other ends are free to glide so as to allow the springs to be straightened, the projections co-operating with the said springs being formed by projecting parts of pulleys for lines or other flexible connections carrying the sash.

(Specification, 9s. 3d.; drawing, 4s.)

No. 22878.—23rd May, 1907.—FERDINAND LOUIS FOR-RESCUE, of Loftus Street, Arncliffe, near Sydney, New South Wales, Australia, Mechanical Engineer. An improved ends-connector for metal tires of wheels.

*Claims.*—(1.) An improved ends-connector for metal tires of wheels having a closing-screw with abutments preferably adjustable on the ends of a cut-out of the rim of said wheels, and having thrust blocks on said screw adapted to engage with riding blocks affixed on the cut ends of the tires, and to be operated by nuts on said screw, substantially as described and explained. (2.) In tire-ends connector as set forth, the combination with cut ends of the tire, having affixed thereto slotted riding blocks of a screw tensioned between cut ends of the rim of the wheel, and having nuts and washers or thrust blocks adapted to engage said riding blocks and to draw them together, substantially as described and explained. (3.) In tire-ends connector as set forth, the combination with the mechanical parts set forth in the preceding second claim of abutment plates, having a female screw and adapted to fit on or in the cut ends of the rim of the wheel, substantially as described and explained. (4.) In tire-ends connector as set forth, the combination with the mechanical parts set forth in the preceding second claim of abutment, nuts adapted to fit in the cut ends of the rim of the wheel, substantially as described and explained. (5.) In tire-ends connector as set forth, the combination with the mechanical parts set forth in the preceding second claim of a hood or cover to take over the cut-out of the rim of the wheel and tire-bolts passing through the closing-screw, substantially as described and explained. (6.) The combination and arrangement of mechanical parts or integers for the purposes set forth, constituting an ends-connector for metal tire of wheels, substantially as described and explained, and as illustrated in Figs. 1 to 6 of the drawings. (7.) The combination and arrangement of



mechanical parts or integers for the purposes set forth, constituting an ends-connection for metal tire of wheels, substantially as described and explained, and as illustrated in Fig. 7 of the drawings.

(Specification, 4s. 6d.; drawing, 2s.)

No. 22880.—20th May, 1907.—SAMUEL THOMAS BEATTIE, of 101 Devonshire Street, Sydney, New South Wales, Australia, Tobacconist, and WILLIAM JOHN CHAPMAN, of 388 Riley Street, Sydney aforesaid, Bookmaker. Improved method of marking race-competitors.

*Claims.*—(1.) The method of indicating numbers by colour<sup>s</sup> which consists in assigning a particular field-colour to each digit from 1 to 10 and distinguishing each succeeding decade of digits by hoops, stripes, or other marks in white or a colour other than the field colours. (2.) The method of indicating numbers by colours which consists in assigning to each digit from 1 to 10 a particular field-colour in alphabetical name sequence, and distinguishing the several decades of digits by superadding to the field-colours distinctive markings in white or in a colour other than said field-colours. (3.) The method of indicating the numbers borne by competitors which consists in providing them with jackets of distinctive colours corresponding to the digits 1 to 10 according to a prearranged list, and distinguished decade from decade for numbers higher than 10 by white sleeves or by the addition of hoops, stripes, checks, diamonds, or other marks in white or a colour other than one of the colours distinguishing the digits.

(Specification, 4s. 6d.; drawing, 2s.)

No. 22885.—25th May, 1907.—JOHN BOURKE SALMON and JOSEPH JEREMIAH SALMON, of Dunedin, New Zealand, Boot-manufacturers. An improved protector for the wearing-faces of resilient tires.

*Claims.*—(1.) A protector for the wearing-faces of resilient tires, comprised by a number of strips of wear-resisting material joined end to end and encircling the outer surface of the tire, the joints being so arranged as to allow of independent longitudinal movement to each strip, substantially as specified. (2.) In a protector for the wearing faces of resilient tires constructed in the manner set forth in claim 1, a joint for the adjacent ends of the strips formed by overlapping such ends and fastening them together by means of rivets or the like passing through one member of the joint and through slots formed longitudinally in the other member, substantially as specified. (3.) The protector for the wearing-faces of resilient tires, substantially as described and explained, and as illustrated in the drawings.

(Specification, 2s. 6d.; drawing, 1s.)

No. 22943.—4th June, 1907.—ARTHUR HJALMAR BORGSTRÖM, of Hangö, Grand Duchy of Finland, Merchant. Improvements in the manufacture of butter.

*Claims.*—(1.) The method of manufacturing sweet or soured butter, either artificial or natural, consisting in working the cream, milk, or the like at such a low temperature that no formation of butter can take place, heating the mass to a temperature that permits the formation of butter, and slowly stirring the mass until the butter has separated sufficiently in the churn-milk or the liquid, substantially as described. (2.) A modification of the method claimed in claim 1, consisting in the butter being gathered after the working and heating, substantially without any stirring operation. (3.) The combination with the method stated in claim 1 or 2 of the method of adding acid just before or during the churning operation, treating the butter in the ordinary manner and permitting the acid to "mature" in the butter, substantially as described.

(Specification, 3s. 3d.)

No. 22947.—5th June, 1907.—THOMAS JAMES MCBRIDE, of Christchurch, New Zealand, Gentleman. Improvements in resilient wheels for vehicles.

*Claims.*—(1.) In a vehicle-wheel, a flexible tire having constructed longitudinally within it a flexible chain or the like, said tire having openings arranged transversely through it at intervals apart, and bolts extending through such openings and the casement sides for the purpose indicated. (2.) In a vehicle-wheel, the combination of a flexible tire adapted to telescope between the casement sides, with its inner periphery immediately adjoining or bearing upon a pneumatic tube or cushion, substantially as specified. (3.) In a vehicle-wheel, the combination with a channel or casement upon the wheel's periphery, and a resilient cushion placed

therein, of a flexible tire fitting between the sides of the casement and upon the cushion, wearing or draw plates upon the side faces of the tire, openings through such plates and the tire, and bolts passing therethrough and through the sides of the channel, so arranged and constructed as to permit of free radial movement of the tire within the channel, substantially as specified. (4.) In a vehicle-wheel, a flexible rubber tire fitting around the wheel's periphery, such tire being provided with a flexible chain or the like embedded in or attached to the inner part of the tire, and preferably made continuous, substantially as specified. (5.) In a vehicle-wheel, the combination with a casement or channel upon the wheel's periphery, and a resilient cushion fitting therein, of a flexible tire fitting between the sides of the channel and upon the cushion, a flexible chain or the like embedded or passing longitudinally within the tire-plates attached to such chain and extending down the side-faces of the tire, a means for retaining the tire within the channel and for allowing of free radial movement therein, substantially as specified. (6.) In a vehicle-wheel, the combination with a casement or channel upon the wheel's periphery, and a resilient cushion fitting within it, of a flexible tire bearing upon the cushion and fitting between the sides of the channel, wearing or draw plates upon the side faces of the tire, elliptical openings extending transversely through the tire, and the plates and bolts extending through such openings and through the sides of the channel, substantially as and for the purposes specified. (7.) In a vehicle-wheel, a channel or casement surrounding the wheel's periphery and adapted to receive a resilient tire, such channel being formed of an L-shaped rim, and segment plates fitted thereto, substantially as specified. (8.) The general arrangement, construction, and combination of parts in my improvements in resilient wheels for vehicles, substantially as described and explained, and as illustrated in the drawings, and for the several purposes set forth.

(Specification, 6s.; drawing, 1s.)

No. 22949.—5th June, 1907.—ALFRED EDWIN DAVIS, of 42 Permanent Buildings, Harrison Street, Johannesburg, Transvaal, Engineer, RICHARD MEYER, of Rand Club, Johannesburg aforesaid, Stockbroker, FRANCIS HASTINGS MEDHURST, temporarily residing at Carlton Hotel, Johannesburg aforesaid, and of Westminster Chambers, 13 Victoria Street, Westminster, London, England, Consulting Engineer, and JOHN EDGAR FERRAR, of Rand Club, Johannesburg, Bank-manager. Improvements in and relating to transporting apparatus for mines.

*Extract from Specification.*—The invention consists in certain features in the construction of the trucks, cars, or vehicles, and the rails traversed by such vehicles as fully described. The rails are of such construction that they can be moved expeditiously from time to time so as to keep the rail or track at an approximately uniform distance from the broken coal, rock, or mineral, or the working-face, and so allow the vehicles to be run parallel to such face, loaded direct in the stope, and thence allowed to gravitate down the stope to the drive, and, if desired, to the shaft. It is requisite in a transporting apparatus of the nature specified that the trucks, empty or full, shall be able to run freely in either stopes, drives, or shaft, or on the surface; that they shall be capable of running freely in the narrowest of stopes, and of being loaded in such stopes; that when loaded they shall be capable of ascending and descending the steepest of gradients without spilling the contents; that they shall be capable of negotiating sharp points, bends, or curves in the rails, both horizontal and vertical; that they shall be incapable of capsizing or derailing in both stopes and drives; that they shall be capable of carrying loads of half a ton or more; and that they shall be of such a shape as to allow the trucks or vehicles to pass one another freely in drives of ordinary dimensions, and thereby to obviate delays in tramming or transportation of the rock or mineral in long levels. Suitable means must also be provided for easily and quickly discharging the loaded trucks. It is further requisite that the rails constituting the track traversed by the vehicles shall be light, strong, easily handled, capable of being moved easily and expeditiously from place to place; that there shall be freedom from loose parts which might be lost or mislaid; that they shall be stiff vertically so as to carry the necessary load with as few sleepers as possible; that they shall be flexible at the supporting joints; that they shall always be maintained truly vertical, and also allow one length of rail to swing up and down and sideways relative to the next one, so as to follow the inequalities or undulations of an uneven floor, and that if necessary they shall be capable of being bent to any sharp curves without permanent set.

(NOTE.—The above extract from the specification is inserted in place of the claims.)

(Specification, £1 8s. 3d.; drawing, 9s.)

No. 22958.—5th June, 1907.—**JORGEN GEORG MAARDT**, of A. N. Hansen's Allé No. 25, Hellerup, near Copenhagen, Denmark, Engineer. A process for the manufacture of beer-wort in a dry or nearly dry state.

*Claims.*—(1.) A process for the manufacture of beer-wort in a dry or nearly dry state, characterized thereby that a complete extract of ground malt, from which only the hulls being removed, and heated to about 80° C. is mixed with pure starch, which is free from hulls, chaff, and the like, whereupon the mixture is heated to about 70° C., whereby the mass is converted into maltose and dextrin. (2.) A modification of the process stated in claim 1, characterized thereby that the malt-extract is divided into two parts, one of which is added to the pure starch, whereupon the mixture is heated to about boiling-point until the starch has become converted into starch-paste, then cooling to about 50° C., after which the second part of the malt-extract is added and the said temperature maintained for a certain time, whereupon the temperature is raised to about 70° C., so that the mass is converted into maltose and dextrin. (3.) In a process as stated in claims 1 and 2, finally evaporating the produced product at a temperature of more than 100° C. (preferably about 160° C.) until it is substantially free from water, thereby converting into maltose and dextrin the last remainders of starch which are possibly still not converted. (4.) A modification of the process stated in claims 1 and 2, characterized thereby that the dry pure starch only is moistened with the extract of malt until it has a consistency like frumenty or dough, upon which it is heated to about 100° C. until the starch has become converted into starch-paste, then cooling to about 50° C. and again moistening with extract of malt until a consistency like frumenty or dough again is attained, whereupon the temperature is raised to about 70° C., so that the mass is converted into sugar, dextrin, and maltose, and finally evaporating the produced product at a temperature of more than 100° C. (preferably about 160° C.). (5.) A process for the manufacture of a dry mixture of living yeast and beer-wort, characterized thereby that dry beer-wort is pulverised and mixed with powdered yeast, or thereby that dry wort and yeast are ground together and the mixture then dried at a low temperature.

(Specification, 4s.)

No. 22959.—5th June, 1907.—**QUINTIN MARINO**, Engineer, of 28 Montague Street, Russell Square, London, W.C., England, and **EDWARD WILLIAM BARTON-WRIGHT**, Engineer, of 1 Albermarle Street, London, W., England. Improvements in the construction of electric accumulators.

*Claims.*—(1.) The improvements in electric accumulators consisting in arranging the positive plates alternately in a horizontal position, serrating or cutting the faces of the said plates, placing specially treated wooden plates between the latter, and connecting up the terminals of each nature to a leaden bar or plate on each side of the accumulator, substantially as described. (2.) In electric accumulators, the combination of horizontally placed positive and negative plates formed with serrated or roughened surfaces and raised edges, and having a hole or holes in which is placed a screw-rod passing through all the plates, leaden bars, or plates to which the terminals of the positive and negative plates are connected, and specially treated wooden plates placed between each positive and negative plate, and provided with cross ribs of specially treated fibres, substantially as described and shown. (3.) The improvements in electric accumulator batteries combined and arranged, substantially as described and shown in the drawings.

(Specification, 4s. 3d.; drawing, 2s.)

No. 22966.—7th June, 1907.—**ROBERT GLENDINING**, Merchant, and **GEORGE BEAUMONT**, Loom-tuner, both of Dunedin, New Zealand. Improvements in looms.

*Claims.*—(1.) In looms of the class described, a clutch whereby the lag cylinder spindle may be run loose so that the harness may be pulled back or forward without reversing the loom, substantially as described and illustrated in Figs. 3 and 4 of the drawings. (2.) In looms of the class described, a yielding support for the lag cylinder spindle whereby breakage in the event of a peg in the harness jamming is prevented, substantially as described and illustrated in Fig. 5 of the drawings. (3.) Improvements in looms, consisting of the parts combined, arranged, and operating, substantially as described or illustrated in the drawings.

(Specification, 4s. 9d.; drawing, 2s.)

No. 22973.—1st October, 1906.—**WILLIAM EDWARD MARTIN** of Torkington House, Stamford, Lincoln, England, Agricultural Engineer. Improvements in side-delivery rakes, swath-turners, and other like implements or machines.

[NOTE.—This is an application under section 106 of the Act, the date given being the official date of the application in Great Britain.]

*Claims.*—(1.) In a side-delivery rake, swath-turner, or the like, in which the rake teeth or tines are controlled when revolving in a hanging vertical position, and in which each rake is made deeper by the addition of a bar fixed above and to the rake-head, the construction of said bar with a concave face, substantially as shown and described. (2.) In an implement as claimed in claim 1, the construction of the concave-faced bar so that it projects beyond the rearward bearings of the rake-heads, substantially as shown and described. (3.) The concave-faced bar claimed in claim 1, built up from angle iron and sheet iron, substantially as shown and described. (4.) In a side-delivery rake, swath-turner, or the like of the type described, the construction of the shaft or rod carrying the rakes with a depressed central portion bent downwards below the ends on which the discs, radial arms, or the like carrying the rake-heads are mounted, substantially as shown and described. (5.) A side-delivery rake, swath-turner, or the like of the type described, in which one end of the shaft or rod carrying the rakes is mounted in a carrier supported by the main axle, means for fixing such carrier in any suitable position, and suitable gearing for driving the discs, radial arms, or the like on the end of the said shaft or rod, substantially as set forth. (6.) A side-delivery rake, swath-turner, or the like of the type described, in which one end of the shaft or rod carrying the rakes is mounted on a socket carried at the outer end of an arm or arms pivotally connected to a bracket mounted on the main axle or hung on the main axle, means for fixing the arm or arms in any desired position, and suitable gearing for driving the discs, radial arms, or the like on the end of the said shaft or rod, substantially as set forth.

(Specification, 7s.; drawing, 3s.)

No. 23059.—24th June, 1907.—**JAMES HUTCHINSON**, of Hobsonville, Auckland, New Zealand, Teacher. A parlour game.

*Claims.*—(1.) The structure specified having holes bored or made in the top thereof, with projectors hinged therein at opposite sides so as to be respectively immediately under one hole each, being two of said holes, and over springs placed beneath said projectors, said two holes having their upper edges sloped inwardly, and having two sets of recording-holes fitted to top of said structure for the purpose set forth as described and illustrated. (2.) In combination with the structure specified, the bobbin or peg having its lower end weighted and shaped to fit into holes bored or made in top of said structure, and to be projected from two of said holes, having their upper edges sloped inwardly by projectors hinged to within said structure and over springs fitted therein for the purpose set forth as described and illustrated.

(Specification, 4s. 6d.; drawing, 1s.)

No. 23103.—9th July, 1907.—**JOHN ALFRED MERRETT**, of Levin, Wellington, New Zealand, Engineer. Improvements in flax-dressing apparatus.

*Claims.*—(1.) For the purpose indicated, tumbler-tables consisting of rotatable vanes of perforated plates mounted side by side upon axles, substantially as set forth. (2.) Means for rotating the tumbler-tables described in claim 1, comprising a ratchet wheel, a pawl gearing with the ratchet wheel and operated by the lift of the stripper-roller, a pin projecting from the ratchet wheel, a spring-operated bell-crank lever, ratchet wheels on the axles of the tumbler-tables, pawls pivoted to arms mounted on the said axles, rods and bell-crank levers transmitting the motion of the bell-crank lever to the said pawls, substantially as set forth. (3.) Trip mechanism for operating an endless belt comprising an extension of one of the arms described in claim 2, a trip-lever pivoted on the end of the arm, another trip-lever contacting with the first trip-lever, a rod to which the second trip-lever is pivoted, a wedge upon which the second trip-lever falls, rods and bell-cranks connecting the said rod to a sliding rod, a lever operable by holders fixed to an endless belt, rods and a bell-crank connecting the lever to said sliding rod, a belt-fork fixed to the sliding rod, a fast and loose pulley operated by the belt and mounted on the shaft

of a roller around which the endless belt passes, substantially as set forth. (4.) For the purpose indicated, means for rotating a shaft through a half-circle, comprising a stepped cone, a sleeve integral with the cone, a ratchet wheel integral with the sleeve, a disc fixed to the shaft, spring-operated pawls pivoted to the disc, a ring slidable around the disc, pins on the disc contacting with the pawls, and means for rotating the ring to release the pawls, substantially as set forth. (5.) In mechanism described in claim 4, the employment of a lug fixed to the ring, a rod connecting the lug to the upper roller of a flax-stripper, a spring-operated rod connected to the other side of the lug for effecting the return movement of the ring, substantially as set forth.

(Specification, 5s.; drawing, 2s.)

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

NOTE.—The cost of copying the specification and drawing has been inserted after the notice of each application. An order for a copy or copies should be accompanied by a post-office order or postal note for the cost of copying.

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

Extracts from the drawings accompanying the foregoing complete specifications appear at the end of this *Gazette*.

J. C. LEWIS,  
Registrar.

*Provisional Specifications accepted.*

Patent Office,  
Wellington, 24th July, 1907.

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

- No. 21014.—F. W. Bliss, gate-hinge.
- No. 21558.—A. Orr, turnip-thinner.
- No. 22595.—F. H. Lampen, range-finder.
- No. 22630.—E. H. Clift, engine.
- No. 22815.—J. H. Hutchinson, lathe.
- No. 22839.—J. W. Wood and C. J. Ward, tramway-points opening and closing.
- No. 22856.—A. W. Smith, tire.
- No. 22868.—S. C. Lee, N. A. Morkill, and Checkogram, Limited. Counting and registering apparatus.
- No. 22948.—J. H. Krause, preventing horses running away.
- No. 22968.—C. Tandy, boot-protector.
- No. 22978.—J. F. and J. F. G. Rasmussen, time-stamping telegrams, &c.
- No. 22983.—F. Hutton, knife-cleaner.
- No. 23001.—N. I. Gooder, trolley-arm head and retriever.
- No. 23006.—A. Doig and E. A. Wilson, transporting apparatus.
- No. 23014.—J. F. Robertson, tea-caddy.
- No. 23017.—J. Bryson, wood-splitter.
- No. 23020.—H. Fitch, safeguard attachment to tram.
- No. 23025.—B. F. H. Dawson, culinary utensil.
- No. 23031.—A. J. Hobbs and J. R. Jewell, preventing horses running away.
- No. 23034.—W. H. Blackham, teat-cup. (W. J. Teese.)
- No. 23035.—J. B. Massey, ferro-concrete former.
- No. 23041.—Lamb and Todd, Limited. Displaying and storing lace-curtains. (T. H. White.)
- No. 23042.—J. J. Clark, milking-machine.
- No. 23049.—A. J. F. de Bavay, separating ores.
- No. 23050.—J. L. Campbell, moulding plastic material.
- No. 23051.—W. L. Johnstone and N. Scrimgeour, hurdle.
- No. 23052.—F. H. Jackson and R. Pierce, windmill.
- No. 23060.—United Shoe Machinery Company, abrading device. (W. A. Reed.)
- No. 23061.—H. B. France, iron covering for buildings.
- No. 23064.—F. W. Paterson, rotary oil-engine.
- No. 23065.—W. H. Bird, tire-cover.
- No. 23074.—J. R. Masson, recovery of antimony from ores, &c.
- No. 23075.—J. J. Keppel, flax-stripper.
- No. 23085.—E. H. Friend, pump.
- No. 23088.—J. Salinger, elevator door.
- No. 23091.—H. L. J. Torpy, bottle-filler.
- No. 23094.—H. Jones, harvesting-machine.
- No. 23095.—H. H. Hesketh, electric alarm.

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.

*Letters Patent sealed.*

LIST of Letters Patent sealed from 13th to 24th July, 1907:—

- No. 20394.—J. H. Jones and W. Kane, gold-saving dredge.
- No. 20905.—D. McKenzie, chair.
- No. 20993.—G. Robson, street-light extinguisher, &c.
- No. 21045.—R. Connell, tire-inflator.
- No. 21047.—A. E. and H. G. Bradley, lead-calme.
- No. 21195.—J. D. Jackson, bath-heater.
- No. 21371.—R. Rayson, air-cooler.
- No. 21921.—E. Old, clamp for agricultural implement.
- No. 21978.—A. Adair, ore-treatment.
- No. 22182.—C. Cooper, sheep-scales.
- No. 22183.—C. Harper, soil-fertiliser.
- No. 22213.—A. H. Imbert, ore-treatment.
- No. 22226.—H. E. Parry, compound-counting machine.
- No. 22403.—A. R. Dietz, T. R. Ricketts, and F. H. Cook, engine.
- No. 22516.—P. J. McGinn, vehicle-spring.
- No. 22517.—H. Pataud, wheel-rim.
- No. 22525.—N. Goodyear, acetylene-generator.
- No. 22526.—G. T., T. M., and J. K. Muir, sash-weight. (W. C. Turpel.)
- No. 22534.—S. E. Bell, milk-bucket.
- No. 22537.—The British Westinghouse Electric and Manufacturing Company, Limited, dynamo-electric machine. (B. G. Lamme.)
- No. 22538.—The British Westinghouse Electric and Manufacturing Company, Limited, dynamo-electric machine. (B. G. Lamme.)
- No. 22539.—The British Westinghouse Electric and Manufacturing Company, Limited, dynamo-electric machine. (B. G. Lamme.)
- No. 22540.—The British Westinghouse Electric and Manufacturing Company, Limited, dynamo-electric machine. (B. G. Lamme.)
- No. 22551.—I. P. B. Knudsen, centrifugal machine.
- No. 22552.—I. P. B. Knudsen, centrifugal separator.
- No. 22553.—I. P. B. Knudsen, bearing for rotating body.
- No. 22578.—A. E. Young and E. G. Kerr, ticket-issuer.
- No. 22588.—E. S. G. Rees, rotary pump.
- No. 22589.—B. A. O. Prollius, centrifugal machine.
- No. 22599.—H. A. Adams, file.

*Letters Patent on which Fees have been paid.*

[NOTE.—The dates are those of the payments.]

SECOND-TERM FEES.

- No. 16326.—C. C. L. G. Budde, sterilising food. 16th July, 1907.
- No. 16605.—P. Kahlenberg, umbrella-tip retainer. 8th July, 1907.
- No. 16641.—J. D. Wilson, brick-kiln. 11th July, 1907.
- No. 16649.—J. Bates and A. C. Tremain, stove. 15th July, 1907.
- No. 16661.—J. Bates, W. F. Ford, and J. H. Field, portable boiler. 15th July, 1907.
- No. 16666.—R. L. and D. Adams, wall-plaster. (M. E. Loose.) 12th July, 1907.
- No. 16676.—W. H. Lawrence and R. Kennedy, milking apparatus. (B. Bodycomb—W. H. Lawrence.) 18th July, 1907.
- No. 16740.—G. G. Turri, football-valve. (J. McKay.) 10th July, 1907.
- No. 16744.—Toronto Type Foundry Company, Limited, linotype-machine. (D. A. Poe and W. H. Scharf.) 18th July, 1907.
- No. 16782.—The Chesterfield Tube Company, Limited, tube. (B. F. McTear and H. C. W. Gibson.) 18th July, 1907.
- No. 16861.—The Reeves Patent Filters Company, Limited, filter. (W. Reeves.) 16th July, 1907.
- No. 16865.—The British Westinghouse Electric and Manufacturing Company, Limited, regulating voltage of current-circuit. (J. P. Campbell—The British Westinghouse Electric and Manufacturing Company, Limited.) 19th July, 1907.
- No. 17003.—Oakley Steel Foundry Company, Limited, electric rail bond. (W. E. Oakley.) 11th July, 1907.

THIRD-TERM FEES.

NIL.

*Subsequent Proprietors, &c., of Letters Patent registered.*

[NOTE.—The name of the patentee is given in brackets. The date is that of registration.]

No. 17156.—The Austral Sash Balance Company, Limited, of 31 Featherston Street, Wellington, in the Colony of New Zealand, registered as licensees of the full license and authority to make, use, and vend the invention for the term of three months from 5th July, 1907. Window-sash holder. [E. G. Abell.] 16th July, 1907.

No. 17288.—J. B. MacEwan and Co., Limited, of Wellington, in the Colony of New Zealand. Milk-weighing machine. [C. Cooper.] 22nd July, 1907.

No. 21017.—Gregory Benmore Osmond, of the City of Auckland, in the Colony of New Zealand, Land and Estate Agent, registered as mortgagee. Boiler. [B. Crawford and H. A. Tattersall.] 11th July, 1907.

No. 21867.—Gregory Benmore Osmond, of the City of Auckland, in the Colony of New Zealand, Land and Estate Agent, registered as mortgagee. Hot-water system. [B. Crawford and H. A. Tattersall.] 11th July, 1907.

*Notice of Request to amend Specification.*

Patent Office,  
Wellington, 24th July, 1907.

A REQUEST for leave to amend the specification relating to the undermentioned application has been received, and is open to public inspection at this office. Any person may, at any time from one month from the date of this *Gazette*, give me notice in writing of opposition to the amendments. Such notice must set forth the particular grounds of objection, and be in duplicate. A fee of 10s. is payable thereon.

No. 20583.—E. Phillips, ore-treatment. (H. F. Brown.) (Advertised in Supplement to *New Zealand Gazette*, No. 19, of the 8th March, 1906.)

The nature of the proposed amendment is as follows:—

To strike out the whole of the claims, Nos. 1 to 5 inclusive, and to insert instead the following claims:—

(1.) A method of treating ores, consisting of showering a finely divided dehydrated ore down a stack, and subjecting it whilst in atmospheric suspension to a whirling and agglomerating highly heated atmosphere; then discharging the particles of material in approximate physical contact in the form of a vortex into a reverberatory-chamber extension, said reverberatory-chamber extension communicating with a reverberatory chamber wherein the unvolatilised molten-metal constituent of the ore is caused to separate by gravity from the slag-producing constituent beneath a covering of molten slag, substantially as described. (2.) A method of treating finely divided dehydrated sulphide ores according to claiming clause 1, characterized by employing, as the highly heated atmosphere supplied to the stack, an oxidizing atmosphere, substantially as described. (3.) A method of treating certain finely divided dehydrated sulphide ores according to claiming clause 1, characterized by subjecting the ore first to an oxidizing atmosphere, and then to a reducing atmosphere while descending through the stack, substantially as described. (4.) A method of treating ores, consisting of showering a finely divided dehydrated ore down a vertical stack, and subjecting it whilst in atmospheric suspension to a whirling and agglomerating highly heated atmosphere, introduced by a tangential burner or burners within eccentric combustion chamber or chambers, then discharging the particles of material in approximate physical contact in the form of a vortex through a heat-concentrating chamber into a reverberatory-chamber extension, from which chamber-extension the highly heated atmosphere descending through the stack with the ore passes, beneath an arch, into a reverberatory chamber, wherein it expands and mingles over said covering of molten slag, substantially as described.

The applicant states,—

“My reasons for making this amendment are as follows: To more clearly define the novel features of the invention, and to limit the scope of the claims to the novel features of the invention, in view of the state of knowledge of the art.

J. C. LEWIS,  
Registrar.

*Request for Correction of Clerical Error in Application for Letters Patent allowed.*

THE request to correct the name of the inventor in application for Letters Patent No. 19214—Hughes—printing surface (advertised in Supplement to *New Zealand Gazette*, No. 48, of the 30th May, 1907) has been allowed.

*Applications for Letters Patent abandoned.*

LIST of applications, with which provisional specifications only have been filed, abandoned (*i.e.*, complete specifications not lodged) from the 13th to the 24th July, 1907, inclusive:—

- No. 20932.—C. Archer, boot-fastenings.
- No. 21773.—A. A. Stephenson, vaporiser.
- No. 21778.—E. P. Blake, power-generator.
- No. 21780.—W. Pickering, J. W. Boulton, and H. O. Ekensteen, hat and programme holder.
- No. 21786.—E. Moss, stamping letters.
- No. 21791.—W. Whyte, temperature-indicator, &c.
- No. 21796.—G. Michalopoulos, stove for heating tailor's iron.
- No. 21800.—G. Lee, cigarette-roller.
- No. 21803.—T. B. Sutton and E. Toms, billiard-table attachment.
- No. 21804.—The Hydraulic-Hand Milker Company, Limited, milking machinery. (G. Hutchinson.)
- No. 21805.—G. T. Girdler, explosive engine, &c.
- No. 21806.—C. Marriott, puncture-stop composition.
- No. 21814.—K. Matthews, ink, &c., bottle.
- No. 21817.—C. B. and G. W. Plummer, fibre-dressing process.
- No. 21818.—W. Sim, milking-machine.
- No. 21825.—S. Hanham, self-countersinking screw.
- No. 21831.—J. J. Macky, connecting trolley-wheel to electric wire.

*Applications for Letters Patent void.*

APPLICATIONS for Letters Patent, with which complete specifications have been lodged, void owing to non-acceptance of such complete specifications from the 13th to the 22nd July, 1907, inclusive:—

- No. 21010.—C. Ridd and D. Duncan, veterinary appliance.
- No. 21015.—W. H. Hughes, cement-mixture. (R. Coskerie.)
- No. 21029.—E. V. Gandil, milking-machine.

*Applications for Letters Patent lapsed.*

APPLICATIONS for Letters Patent lapsed, owing to Letters Patent not being sealed, from the 13th to the 24th July, 1907, inclusive:—

- No. 20569.—J. P. Cowdery, oiling axles.
- No. 20582.—C. H. Fabian, plant-protector.
- No. 20600.—G. Osborne, liquid-sprayer.
- No. 20624.—T. R. George, distance-gauge for bowls.
- No. 20637.—F. V. Raymond, hair-curler.
- No. 20645.—F. W. Payne, gold-dredge elevator-tray.

*Letters Patent void.*

LIST of Letters Patent void through non-payment of renewal fees, and through expiry of term of fourteen years, from the 11th to the 24th July, 1907, inclusive:—

- THROUGH NON-PAYMENT OF SECOND-TERM FEES.
- No. 16225.—T. Q. East, ship's ventilator.
  - No. 16226.—W. D. Sargent, making brake-shoes.
  - No. 16232.—G. S. Morison, steam-engine.
  - No. 16235.—R. B. Restell, seed-drill.
  - No. 16239.—E. Townshend, milk weighing and delivering apparatus. (A. J. Park and H. M. Thorpe.)
  - No. 16240.—F. E. Bowman, gas-producing plant.
  - No. 16241.—J. Ainsworth, vehicle-wheel.
  - No. 16242.—A. Ross, water-circulator for boilers. (S. J. Wilford.)
  - No. 16249.—J. H. Reid, generating electricity.
  - No. 16256.—W. F. Chamberlin and W. H. Stout, cylindrical-box-making machine.
  - No. 16261.—A. J. Park, increasing saleability of goods. (H. Nelson.)
  - No. 16266.—F. M. Linley, shirt-cuff fastenings.
  - No. 16315.—E. H. Wilhelm, searing and docking lambs' tails.

- THROUGH NON-PAYMENT OF THIRD-TERM FEE.
- No. 12555.—W. H. Norton, wire-strainer.

*THROUGH EXPIRY OF TERM.*

- No. 6294.—I. Shone, draining and sewerage towns, &c.
- No. 6298.—Ogden's Limited, sealing cans. (R. A. Sloan and E. L. Barnes.)

*Designs registered.*

DESIGNS have been registered in the following names on the dates mentioned:—

Nos. 328, 329, 330, 331, 332, 333, 334.—The Carrara Ceiling Company, Limited, of Wellington South, in the Colony of New Zealand, Patentees and Manufacturers of "Stuccolin" Work and Importers of Laths and Plaster. Class 3. 10th July, 1907.

No. 335.—Billows Carbonating Machine Syndicate, of 57 Edward Street, Brisbane, in the State of Queensland, Commonwealth of Australia, Manufacturers. Class 4. 11th July, 1907.

Nos. 336, 337, and 338.—The Carrara Ceiling Company, Limited, of Wellington South, in the Colony of New Zealand, Patentees and Manufacturers of "Stuccolin" Work and Importers of Laths and Plaster. Class 3. 16th July, 1907.

*Designs expired.*

THE copyright in the following designs has expired:—

No. 159.—J. Lewis, of Greytown North, New Zealand. (Hot-water bottle.)

No. 160.—J. Robinson, of Christchurch, New Zealand. (Show-board for seeds.)

No. 161.—Kirkman and Denison, of Auckland, New Zealand. (Brooch.)

*Applications for Registration of Trade Marks.*

Patent Office,  
Wellington, 24th July, 1907.

APPLICATIONS for registration of the following Trade Marks have been received. Notice of opposition to the registration of any of these applications may 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. of application: 6309.  
Date: 30th October, 1906.

TRADE MARK.



CAPITAL

The essential particulars of the trade mark are the device and the word "Capital" so far as the same describes the device, but applicants disclaim any right to the exclusive use of the word "Capital," except as when so used as referring to such device.

NAME.

SEEBOHM AND DIECKSTAHL, LIMITED, of Dannemora Steel Works, Sheffield, England, Manufacturers.

No. of class: 6.  
Description of goods: Machine-knives, twist-drills, milling and other cutters, and machine tools generally.

No. of application: 6310.  
Date: 30th October, 1906.

TRADE MARK.

(The mark as shown in preceding notice, No. 6309.)

The essential particulars of the trade mark are the device and the word "Capital" so far as the same describes the device; but applicants disclaim any right to the exclusive use of the word "Capital," except as when so used as referring to such device.

NAME.

SEEBOHM AND DIECKSTAHL, LIMITED, of Dannemora Steel Works, Sheffield, England, Manufacturers.

No. of class: 12.  
Description of goods: Cutlery and edge-tools, including files and saws.

No. of application: 6311.  
Date: 30th October, 1906.

TRADE MARK.

(The mark as shown in preceding notice No. 6309.)

The essential particulars of the trade mark are the device and the word "Capital" so far as the same describes the device; but applicants disclaim any right to the exclusive use of the word "Capital," except as when so used as referring to such device.

NAME.

SEEBOHM AND DIECKSTAHL, LIMITED, of Dannemora Steel Works, Sheffield, England, Manufacturers.

No. of class: 13.  
Description of goods: Metal goods not included in other classes.

No. of application: 6337.  
Date: 13th November, 1906.

TRADE MARK.

GOLDEN STAR OINTMENT.



NAME.

JOHANNA S. SIDET, of Hamilton East, Waikato, in the Colony of New Zealand.

No. of class: 3.  
Description of goods: Ointment.

No. of application: 6360.  
Date: 29th November, 1906.

TRADE MARK.



The essential particulars of this trade mark are the device and the word "Emu"; and any right to the exclusive use of the added matter is disclaimed.

NAME.

ALFRED TYBEE AND CO., LIMITED, of Christchurch, in the Colony of New Zealand, Boot, Leather, Grindery, and Machinery Merchants.

No. of class: 5.  
Description of goods: Galvanised corrugated iron.

No. of application : 6429.  
Date : 17th January, 1907.

TRADE MARK.



NAME.

PETER LUDWIG SCHMIDT, of 81-87 Neunteich, Elberfeld, Rhenish Prussia, Germany, Merchant.

No. of class : 12.

Description of goods : Tools and cutlery with cutting edges.

No. of application : 6576.  
Date : 17th April, 1907.

TRADE MARK.



The essential particular of this trade mark is the distinctive label.

NAME.

SCHWEPPE'S LIMITED, of 67 Foveaux Street, Sydney, in the State of New South Wales, Commonwealth of Australia, and elsewhere, Manufacturers and Bottlers.

No. of class : 44.

Description of goods : Soda-water.

No. of application : 6577.  
Date : 17th April, 1907.

TRADE MARK.



The essential particular of this trade mark is the distinctive label.

NAME.

SCHWEPPE'S LIMITED, of 67 Foveaux Street, Sydney, in the State of New South Wales, Commonwealth of Australia, and elsewhere, Manufacturers and Bottlers.

No. of class : 44.

Description of goods : Ginger-ale.

No. of application : 6578.

Date : 17th April, 1907.

TRADE MARK.



The essential particular of this trade mark is the distinctive label.

NAME.

SCHVEPPES LIMITED, of 67 Foveaux Street, Sydney, in the State of New South Wales, Commonwealth of Australia, and elsewhere, Manufacturers and Bottlers.

No. of class : 44.

Description of goods : Ginger-ale.

No. of application : 6590.

Date : 24th April, 1907.

TRADE MARK



NAME.

JAMES G. C. GRIMSHAW, of 48 Worcester Street, Linwood, Christchurch in the Colony of New Zealand, Commission Agent.

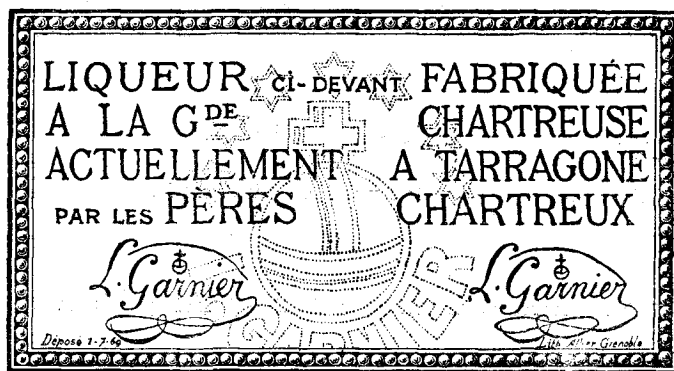
No. of class : 6.

Description of goods : Knife-cleaning machines.

No. of application : 6611.

Date : 2nd May, 1907.

TRADE MARK.



The essential particular of the trade mark is as follows—the distinctive label.

NAME.

ALBERT LÉON REY, of 17 Calle Fontrodona, Barcelona, in the Kingdom of Spain, Spanish Merchant

No. of class : 43.

Description of goods : Liqueurs.

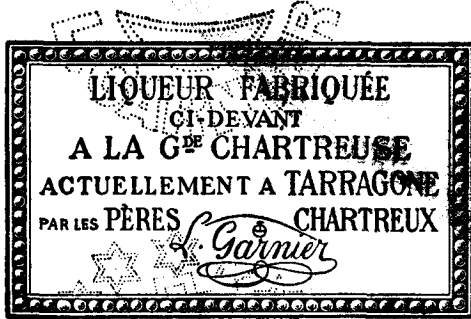
2248

THE NEW ZEALAND GAZETTE.

[No. 65]

No. of application: 6612.  
Date: 2nd May, 1907.

TRADE MARK.



The essential particular of the trade mark is as follows—the distinctive label.

NAME.

ALBERT LÉON REY, of 17 Calle Fontrodona, Barcelona, in the Kingdom of Spain, Spanish Merchant.

No. of class: 43.

Description of goods: Liqueurs.

No. of application: 6613.

Date: 2nd May, 1907.

TRADE MARK.



The essential particular of the trade mark is as follows—the distinctive label.

NAME.

ALBERT LÉON REY, of 17 Calle Fontrodona, Barcelona, in the Kingdom of Spain, Spanish Merchant.

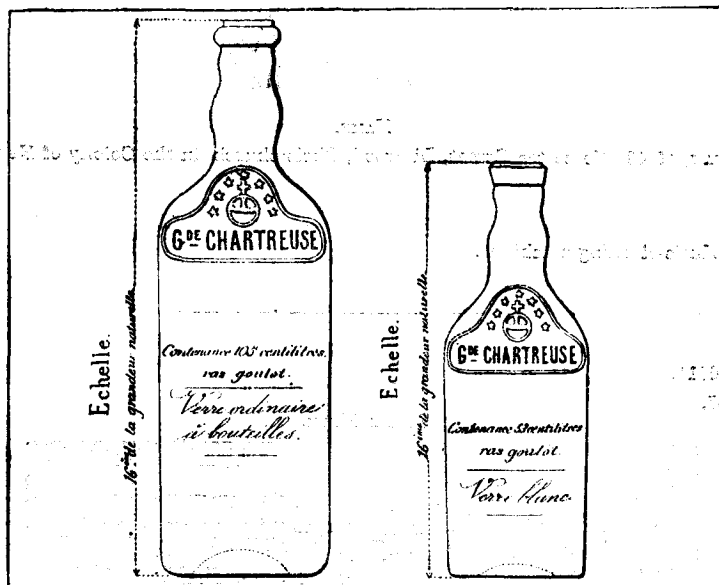
No. of class: 43.

Description of goods: Liqueurs.

No. of application: 6620.

Date: 2nd May, 1907.

TRADE MARK.



The essential particular of the trade mark is as follows—the distinctive label.

NAME.

ALBERT LÉON REY, of 17 Calle Fontrodona, Barcelona, in the Kingdom of Spain, Spanish Merchant.

No. of class: 43.

Description of goods: Liqueurs.



No. of application : 6621.  
Date : 2nd May, 1907.

TRADE MARK.



The essential particular of the trade mark is as follows—the distinctive label.

NAME.

ALBERT LÉON REY, of 17 Calle Fontrodona, Barcelona, in the Kingdom of Spain, Spanish Merchant.

No. of class : 43.  
Description of goods : Liqueurs and elixirs.

No. of application : 6622.  
Date : 2nd May, 1907.

TRADE MARK.



The essential particular of the trade mark is as follows—the distinctive label.

No. of application : 6681.  
Date : 29th May, 1907.

TRADE MARK.



The applicants claim that they and their predecessors in business have used the above trade mark in respect of the said goods within New Zealand for upwards of one year before the 1st January, 1890.

NAME.

J. AND J. COLMAN, LIMITED, of Carrow Works, Norwich, and of 108 Cannon Street, London, England, Mustard, Starch, Blue, and Cornflour Manufacturers.

No. of class : 42.  
Description of goods : Mustard, whether in a dry or a liquid condition.

NAME.

ALBERT LÉON REY, of 17 Calle Fontrodona, Barcelona, in the Kingdom of Spain, Spanish Merchant.

No. of class : 48.  
Description of goods : A preparation for the teeth.

No. of application : 6672.  
Date : 22nd May, 1907.

TRADE MARK.



HORSE BRAND MALTS

The essential particulars of the trade mark are the following—the device and the words "Horse Brand"; and any right to the exclusive use of the added matter is disclaimed.

NAME.

RANDAL PLUNKETT, sole partner of Plunkett Bros., of Belle Vue Maltings, Island Bridge, Dublin, Ireland, Maltster and Malt-roaster.

No. of class : 42.  
Description of goods : Malt for use in brewing.

No. of application : 6762.

Date : 1st July, 1907.

TRADE MARK.

“BON ACCORD.”  
“C. W. P.”

NAME.

FARQUHAR AND GILL, of Aberdeen, Scotland, Paint, Colour, Varnish, and Enamel Manufacturers.

No. of class : 1.

Description of goods : Paint.

No. of application : 6768.

Date : 1st July, 1907.

TRADE MARK.



The essential particulars of this trade mark are the combination of devices, with the word “Wonstar” in conjunction with the monogram device, part of such combination; and any right to the exclusive use of the added matter, except and save the trading name of the company, is disclaimed.

NAME.

WHITOME, STEVENSON, AND Co., LIMITED, of Domain Factory, Auckland, in the Provincial District of Auckland, in the Colony of New Zealand, Manufacturers.

No. of class : 42.

Description of goods : Chutney, cordials, ginger-wine, kola tonic, lemon-squash, limejuice cordial, pickles, sauces, and vinegar.

No. of application : 6767.

Date : 3rd July, 1907.

TRADE MARK.



The essential particular of this trade mark is the word “Youla” within two concentric circles; and any right to the exclusive use of the added matter is disclaimed.

NAME.

YOULA WOOLS (NEW ZEALAND), LIMITED, of 159 Victoria Street, Westminster, London, England.

No. of class : 6.

Description of goods : A new and improved invention in machinery for separating dirt and the like from the refuse or waste of cotton-cleaning machines and from other materials.

No. of application : 6768.

Date : 4th July, 1907.

TRADE MARK.

The word

“KIWI.”

NAME.

THOMAS LAW AND Co., of 33 Lorne Street, Wellington, in the Colony of New Zealand, Brassfounders, &c.

No. of class : 5.

Description of goods : Brass, copper, and other metal alloys.

No. of application : 6771.

Date : 6th July, 1907.

TRADE MARK.

The word

“KEROL.”

NAME.

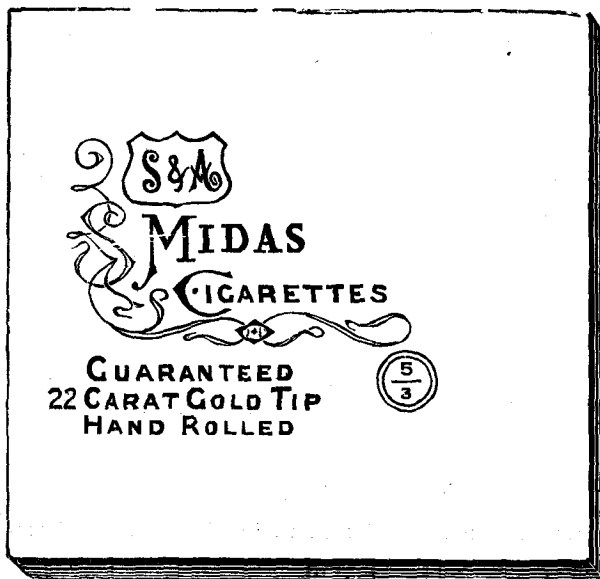
QUIBELL BROS., LIMITED, of Newark, England.

No. of class : 2.

Description of goods : Disinfectants of all kinds, including deodorisers and vermin-destroyers.

No. of application: 6779.  
Date: 8th July, 1907.

TRADE MARK.



The essential particular of this trade mark is the word "Midas"; and applicants disclaim any right to the exclusive use of the added matter, consisting of all the words, letters, and figures except the word "Midas."

NAME.

SNIDERS AND ABRAHAMS PROPRIETARY, LIMITED, whose registered office is situate at Nos. 268 and 270 Lonsdale Street, Melbourne, Victoria, Commonwealth of Australia, Cigar and Cigarette Manufacturers.

No. of class: 45.  
Description of goods: Cigarettes.

No. of application: 6780.  
Date: 8th July, 1907.

TRADE MARK.



The essential particulars of this trade mark are the prefixed distinctive device and the words "St. George"; and applicants disclaim any right to the exclusive use of the added matter, consisting of all the words except the words "St. George."

NAME.

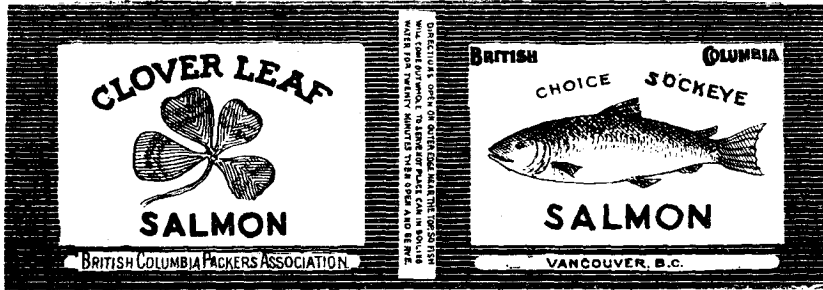
SNIDERS AND ABRAHAMS PROPRIETARY, LIMITED, whose registered office is situate at Nos. 268 and 270 Lonsdale Street, Melbourne, Victoria, Commonwealth of Australia, Cigar and Cigarette Manufacturers.

No. of class: 45.  
Description of goods: Cigarettes.

No. of application : 6781.

Date : 9th July, 1907.

TRADE MARK.



The essential particulars of this trade mark are the combination of devices and the words "Clover Leaf"; and applicants disclaim any right to the exclusive use of the added matter, except their name and address.

NAME.

THE BRITISH COLUMBIA PACKERS ASSOCIATION, of Vancouver, British Columbia, Salmon-packers.

No. of class : 42.

Description of goods : Tinned, preserved, and salted salmon of all kinds.

No. of application : 6782.

Date : 9th July, 1907.

TRADE MARK.



The essential particulars of this trade mark are the combination of devices and the word "Arrow"; and applicants disclaim any right to the exclusive use of the added matter, except their name and address.

NAME.

THE BRITISH COLUMBIA PACKERS ASSOCIATION, of Vancouver, British Columbia, Salmon-packers.

No. of class : 42.

Description of goods : Tinned, preserved, and salted salmon of all kinds.

No. of application: 6785.  
Date: 10th July, 1907.



The essential particulars of the trade mark are as follows—the word "Sanitas" and the device; and applicants disclaim any right to the exclusive use of the added matter, except in so far as it consists of their name.

NAME.

STANDARD TABLE OIL CLOTH COMPANY, of 320 Broadway, New York, United States of America, Manufacturers of Oil-cloth.

No. of class: 36.  
Description of goods: Oilcloth.

No. of application: 6786.  
Date: 10th July, 1907.

TRADE MARK.

The word  
"COO-EE."

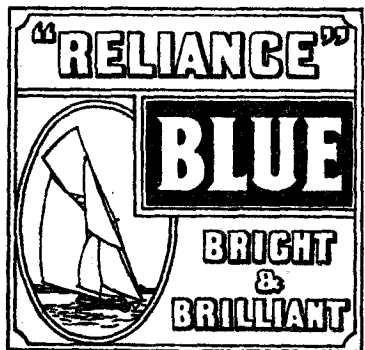
NAME.

MAUDE WORDSWORTH JAMES, of Kalgoorlie, Western Australia, Commonwealth of Australia, Jeweller.

No. of class: 14.  
Description of goods: Goods of precious metals (including aluminium, nickel, Britannia-metal, &c.), and jewellery and imitations of such goods, and jewellery of all kinds.

No. of application: 6787.  
Date: 10th July, 1907.

TRADE MARK.



The essential particulars of this trade mark are the word "Reliance" and general device of the label, and including

yacht under full sail; and any right to the exclusive use of any added matter is disclaimed.

NAME.

G. R. S. GILMOUR, of 20 Mein Street, Wellington, in the Colony of New Zealand.

No. of class: 47.  
Description of goods: Blue.

No. of application: 6789.  
Date: 10th July, 1907.

TRADE MARK.



NAME.

CAMMELL, LAIRD, AND Co., LIMITED, of Cyclops Works, Sheffield, England, Manufacturers.

No. of class: 5.  
Description of goods: Steel.

No. of application: 6790.  
Date: 10th July, 1907.

TRADE MARK.

(The mark as shown in preceding notice, No. 6789.)

NAME.

CAMMELL, LAIRD, AND Co., LIMITED, of Cyclops Works, Sheffield, England, Manufacturers.

No. of class: 6.  
Description of goods: Machinery and parts thereof, including machine-knives, machine-tools, twist-drills, milling and other cutters, shear-blades, and similar goods included in this class and not included in other classes.

No. of application: 6791.  
Date: 10th July, 1907.

TRADE MARK.

(The mark as shown in preceding notice, No. 6789.)

NAME.

CAMMELL, LAIRD, AND Co., LIMITED, of Cyclops Works, Sheffield, England, Manufacturers.

No. of class: 12.  
Description of goods: Cutlery and edge-tools, files, and saws.

No. of application: 6792.  
Date: 10th July, 1907.

**TRADE MARK.**

(The mark as shown in preceding notice No. 6789.)

**NAME.**

CAMMELL, LAIRD, AND Co., LIMITED, of Cyclops Works,  
Sheffield, England, Manufacturers.

No. of class: 13.

Description of goods: Hammers, anvils, hoes, picks, springs, axles, spanners, spades, shovels, vices, wheels, rails, nuts, bolts, buffers, engineers' and other tools, and metal goods generally without a cutting-edge included in this class and not included in other classes.

No. of application: 6793.  
Date: 10th July, 1907.

**TRADE MARK.**

**CYCLONE**

**NAME.**

CAMMELL, LAIRD, AND Co., LIMITED, of Cyclops Works,  
Sheffield, England, Manufacturers.

No. of class: 5.

Description of goods: Steel.

No. of application: 6795.  
Date: 10th July, 1907.

**TRADE MARK.**

(The mark as shown in preceding notice, No. 6793.)

**NAME.**

CAMMELL, LAIRD, AND Co., LIMITED, of Cyclops Works,  
Sheffield, England, Manufacturers.

No. of class: 12.

Description of goods: Cutlery and edge tools, files, and saws.

No. of application: 6796.  
Date: 10th July, 1907.

**TRADE MARK.**

(The mark as shown in preceding notice No. 6793.)

**NAME.**

CAMMELL, LAIRD, AND Co., LIMITED, of Cyclops Works,  
Sheffield, England, Manufacturers.

No. of class: 13.

Description of goods: Hammers, anvils, hoes, picks, springs, axles, spanners, spades, shovels, vices, wheels, rails, nuts, bolts, buffers, engineers' and other tools, and metal goods generally without a cutting-edge included in this class and not included in other classes.

No. of application: 6797.  
Date: 10th July, 1907.

**TRADE MARK.**

**ESPERO**

**NAME.**

CAMMELL, LAIRD, AND Co., LIMITED, of Cyclops Works,  
Sheffield, England, Manufacturers.

No. of class: 5.

Description of goods: Steel.

No. of application: 6798.  
Date: 10th July, 1907.

**TRADE MARK.**

(The mark as shown in preceding notice, No. 6797.)

**NAME.**

CAMMELL, LAIRD, AND Co., LIMITED, of Cyclops Works,  
Sheffield, England, Manufacturers.

No. of class: 6.

Description of goods: Machinery and parts thereof, including machine-knives, machine-tools, twist-drills, milling and other cutters, shear-blades, and similar goods included in this class and not included in other classes.

No. of application: 6799.  
Date: 10th July, 1907.

**TRADE MARK.**

(The mark as shown in preceding notice, No. 6797.)

**NAME.**

CAMMELL, LAIRD, AND Co., LIMITED, of Cyclops Works,  
Sheffield, England, Manufacturers.

No. of class: 12.

Description of goods: Cutlery and edge tools, files, and saws.

No. of application: 6800.  
Date: 10th July, 1907.

**TRADE MARK.**

(The mark as shown in preceding notice No. 6797.)

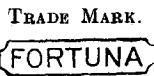
**NAME.**

CAMMELL, LAIRD, AND Co., LIMITED, of Cyclops Works,  
Sheffield, England, Manufacturers.

No. of class: 13.

Description of goods: Hammers, anvils, hoes, picks, springs, axles, spanners, spades, shovels, vices, wheels, rails, nuts, bolts, buffers, engineers' and other tools, and metal goods generally without a cutting-edge included in this class and not included in other classes.

No. of application: 6801.  
Date: 10th July, 1907.



NAME.  
CAMMELL, LAIRD, AND Co., LIMITED, of Cyclops Works,  
Sheffield, England, Manufacturers.

No. of class: 5.  
Description of goods: Steel.

No. of application: 6802.  
Date: 10th July, 1907.

TRADE MARK.

(The mark as shown in preceding notice, No. 6801.)

NAME.  
CAMMELL, LAIRD, AND Co., LIMITED, of Cyclops Works,  
Sheffield, England, Manufacturers.

No. of class: 6.  
Description of goods: Machinery and parts thereof, including machine-knives, machine-tools, twist-drills, milling and other cutters, shear-blades, and similar goods included in this class and not included in other classes.

No. of application: 6803.  
Date: 10th July, 1907.

TRADE MARK.

(The mark as shown in preceding notice No. 6801.)

NAME.  
CAMMELL, LAIRD, AND Co., LIMITED, of Cyclops Works,  
Sheffield, England, Manufacturers.

No. of class: 12.  
Description of goods: Cutlery and edge tools, files, and saws.

No. of application: 6804.  
Date: 10th July, 1907.

TRADE MARK.

(The mark as shown in preceding notice No. 6801.)

NAME.  
CAMMELL, LAIRD, AND Co., LIMITED, of Cyclops Works,  
Sheffield, England, Manufacturers.

No. of class: 13.  
Description of goods: Hammers, anvils, hoes, picks, springs, axles, spanners, spades, shovels, vices, wheels, rails, nuts, bolts, buffers, engineers' and other tools, and metal goods generally without a cutting-edge included in this class and not included in other classes.

No. of application: 6807.  
Date: 11th July, 1907.

TRADE MARK.

The word  
"HEALTHULES."

NAME.  
ARCHIBALD JOHN PERRY FRASER, of 81 Pitt Street, Sydney,  
in the State of New South Wales, in the Commonwealth of  
Australia, Merchant.

No. of class: 3.  
Description of goods: Chemical substances for use in  
medicine and pharmacy.

No. of application: 6810.  
Date: 12th July, 1907.

TRADE MARK.

The word  
"ZUNRAY."

NAME.  
HERBERT HUMPHREY SHELDON (trading as "Sheldon and  
Co."), of Dunedin, in the Colony of New Zealand, Manu-  
facturers.

No. of class: 50.  
Description of goods: Metal-polish powder and liquid  
metal-polish.

No. of application: 6811.  
Date: 13th July, 1907.

TRADE MARK.



The applicants claim that the said trade mark has been  
used by them and their predecessors in business in respect  
of the said goods since upwards of eleven years before the  
2nd September, 1889.

NAME.  
SPEAR AND JACKSON, LIMITED, of Etna Works, Savile  
Street, Sheffield, England, Manufacturers.

No. of class: 12.  
Description of goods: Cutlery and edge tools, including  
files and saws.

No. of application: 6814.

Date: 13th July, 1907.

TRADE MARK.

The word

# TATCHO

NAME.

WILLIAM BALLIN HINDE, of 5 Great Queen Street, Holborn, London, England, Manufacturer.

No. of class: 48.

Description of goods: Hair-stimulant.

No. of application: 6815.

Date: 15th July, 1907.

TRADE MARK.

The word

# "NERVELETTES."

NAME.

GEORGE WILLIAM HEAN, of Christchurch, in the Colony of New Zealand, Chemist.

No. of class: 3.

Description of goods: Chemical substances prepared for use in medicine, such as patent medicines, pills, medicated articles, &c.

No. of application: 6816.

Date: 15th July, 1907.

TRADE MARK.



The essential particulars of this trade mark are the two words "Sea Breeze," and the distinctive label comprising a representation of a yacht under sail; and any right to the exclusive use of the added matter is disclaimed.

NAME.

HENRY EDWARD BILLSON, of Christchurch, in the Colony of New Zealand, Manufacturer.

No. of class: 44.

Description of goods: Beverages, aerated and non-alcoholic.

No. of application: 6818.

Date: 17th July, 1907.

TRADE MARK.



The essential particular of this trade mark is a label-device consisting of an eagle and two towers surrounded by scroll; and applicants disclaim any right to the exclusive use of the added matter except their name and address.

The applicants claim that the said trade mark has been in use by them for many years (since 1872) in respect of the articles mentioned.

NAME.

LEOPOLD CASSELLA AND Co., G.M.B.H., of Frankfurt a/M., Germany, Manufacturers.

No. of class: 1.

Description of goods: Aniline dyes (mineral).

J. C. LEWIS,  
Registrar.

Trade Marks registered.

LIST of Trade Marks registered from the 11th to the 24th July, inclusive:—

No. 5182/6595.—Resch's Limited. Class 43. (*Gazette* No. 41, of the 2nd May, 1907.)

No. 5183/6589.—Sargood, Son, and Ewen. Class 24. (*Gazette* No. 41, of the 2nd May, 1907.)

No. 5184/6583.—The British Xylonite Company, Limited. Class 50. (*Gazette* No. 41, of the 2nd May, 1907.)

No. 5185/6582.—The British Xylonite Company, Limited. Class 38. (*Gazette* No. 41, of the 2nd May, 1907.)

No. 5186/6570.—A. M. Hendy. Class 48. (*Gazette* No. 41, of the 2nd May, 1907.)

No. 5187/6553.—Lever Bros., Limited. Class 3. (*Gazette* No. 36, of the 18th April, 1907.)

No. 5188/6551.—Lever Bros., Limited. Class 3. (*Gazette* No. 36, of the 18th April, 1907.)

No. 5189/6540.—English and Colonial Patents and Trading Company, Limited. Class 1. (*Gazette* No. 41, of the 2nd May, 1907.)

No. 5190/5873.—Lever Bros., Limited. Class 47. (*Gazette* No. 27, of the 21st March, 1907.)

No. 5191/5874.—Lever Bros., Limited. Class 48. (*Gazette* No. 27, of the 21st March, 1907.)

No. 5192/6329.—Rubberised Leather and Tire Company, Limited. Class 37. (*Gazette* No. 41, of the 2nd May, 1907.)

No. 5193/6557.—Galena-Signal Oil Company. Class 47. (*Gazette* No. 36, of the 18th April, 1907.)

No. 5194/6546.—Vacuum Oil Company. Class 47. (*Gazette* No. 33, of the 4th April, 1907.)

No. 5195/6545.—Vacuum Oil Company. Class 47. (*Gazette* No. 33, of the 4th April, 1907.)

No. 5196/6544.—Vacuum Oil Company. Class 47. (*Gazette* No. 33, of the 4th April, 1907.)

No. 5197/6579.—H. S. Blydes. Class 1. (*Gazette* No. 41, of the 2nd May, 1907.)

No. 5198/6628.—D. Lilly. Class 47. (*Gazette* No. 44, of the 16th May, 1907.)

No. 5199/6562.—Smith and Smith. Class 50. (*Gazette* No. 41, of the 2nd May, 1907.)

No. 5200/6023.—T. Deane. Class 50. (*Gazette* No. 59, of the 12th July, 1906.)

No. 5201/6042.—T. Deane. Class 50. (*Gazette* No. 59, of the 12th July, 1906.)

No. 5202/6070.—Baldwin and Rayward. Class 39. (*Gazette* No. 64, of the 26th July, 1906.)



No. 5203/6587.—M. Ruchon and Co., Limited. Class 50. (*Gazette* No. 41, of the 2nd May, 1907.)  
 No. 5204/6588.—Field and Co., Fruit Merchants, Limited. Class 42. (*Gazette* No. 41, of the 2nd May, 1907.)  
 No. 5205/6571.—H. M. Bennett. Class 48. (*Gazette* No. 41, of the 2nd May, 1907.)  
 No. 5206/6607.—W. G. Hearne. Class 3. (*Gazette* No. 44, of the 16th May, 1907.)  
 No. 5207/6011.—Aktiebolaget Separator. Class 7. (*Gazette* No. 44, of the 16th May, 1907.)  
 No. 5208/6116.—W. F. Darby. Class 45. (*Gazette* No. 81, of the 20th September, 1906.)

Nos. 3473/2890 and 4696/3688.—The New Home Sewing-machine Company, a corporation organized in 1906 under the laws of the Commonwealth of Massachusetts, of Orange, Massachusetts, United States of America. [The New Home Sewing-machine Company.] 22nd July, 1907.  
 No. 6346/5009.—Sandeman Limited, of 241 Pitt Street, Sydney, in the State of New South Wales, Commonwealth of Australia. [A. J. Seward.] 19th July, 1907.

*Trade Marks removed from the Register.*

TRADE Marks removed from the Register owing to the non-payment of the renewal fees, from the 11th to the 23rd July, 1907, inclusive:—

No. 760/846.—11th April, 1893.—W. Webber, of New Plymouth, New Zealand. Class 42.  
 No. 761/663.—12th April, 1893.—A. Bagley, of Dunedin, New Zealand. Class 3.  
 Nos. 762/742, 763/743, 764/744.—14th April, 1893.—R. Cock, of New Plymouth, New Zealand. Class 42.  
 No. 765/831.—17th April, 1893.—J. Gray, of Milton, New Zealand. Class 42.

*Subsequent Proprietors of Trade Marks registered.*

[NOTE.—The name of the former proprietor is given in brackets. The date is that of registration.]

NOS. 2046/1645 and 2053/1806.—The Quaker Oats Company, incorporated under the laws of the State of New Jersey, United States of America, Manufacturers of Oatmeal, Flour, and Cereal Products, and whose corporate office is at 15 Exchange Place, Jersey City, New Jersey, and whose business office and postal address is at Railway Exchange Building, 1-15 Jackson Boulevard, Chicago, Illinois, United States of America. [The American Cereal Company.] 15th July, 1907.

*Request for Correction of Clerical Error in Trade Mark allowed.*

THE request for correction of the name in Trade Mark Application No. 6282—R. J. Roberts (advertised in Supplement to the *New Zealand Gazette*, No. 48, of the 30th May, 1907)—has been allowed.

*Advertisements.*

ADVERTISEMENTS are charged at the rate of 6d. per line for the first insertion, and 3d. per line for the second and any subsequent insertion.

All advertisements should be written on one side of the paper, and signatures, &c., should be written in a legible hand.

The number of insertions required must be written across the face of the advertisement.

Communications should be addressed to the Government Printer, Wellington, to whom post-office money-orders should be made payable. Cheques should be crossed "Public a/c," and exchange added.

Postage or duty stamps cannot be received in payment from any place at which postal notes or post-office orders are issued.

Prepayment may be demanded in any case. In order to prevent delay in publication a sufficient remittance should accompany every advertisement. Any surplus will be returned with receipted account.

## Alphabetical List of Applicants for Letters Patent for Quarter ending 30th June, 1907.

THIS list includes also (1) applications lodged prior to but gazetted during the quarter, (2) complete specifications following provisional specifications accepted and gazetted during the quarter. Where the number and date of the Gazette are omitted, the application has not yet been accepted.

\* Denotes a provisional specification.

† Denotes a prior date under section 106 of "The Patents, Designs, and Trade Marks Act, 1889."

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Adair, A., Johannesburg, Transvaal. Cyanide treatment of ores ..	21978	25 Oct., 1906	36	18 April.
Adams, H. A., Linton, Vic. Document-file ..	22599	26 March ..	41	2 May.
Adams, J. H., Auckland, N.Z. Wrought-iron ferro-concrete former ..	22906	23 May ..	51	13 June.*
Aktiebolaget Baltic Separator, Stockholm, Sweden. Manufacture of butter. (J. V. M. Risberg)	22737	25 May ..	48	30 May.
Aktiebolaget Separator, Stockholm, Sweden. Milking-machine. (B. and F. Ljungstrom)	22514	6 March ..	44	16 May.
Alexander, W., Wellington, N.Z. An accessory of temperature and moisture testers	22616	2 April ..	41	2 May.*
Allan, C. F. F., and others, Auckland, N.Z. Broadcaster ..	20871	14 March, 1906	41	2 May.
Allport, R., and another, Hobart, Tas. Finger-ring ..	22113	26 Nov., 1906	51	13 June.
Anderson, R. V., and another, Wellington, N.Z. Concrete structure	22556	19 March ..	41	2 May.*
Andin, A. G., Glenferrie, Vic. Milking-machine ..	22609	28 March ..	41	2 May.*
Andrews, Z. D., Wellington, N.Z. Fruit-picker ..	22773	4 May ..	48	30 May.*
Ashton, O., Lawrence, U.S.A. (See United Shoe Machinery Company, Nos. 21364 and 21365.)				
Atkinson, J., Titirangi, N.Z. Spinal and body supports ..	23046	21 June ..	..	..
Austin, J., Spreydon, N.Z. Device for toasting, &c. ..	21226	29 May, 1906	62	11 July.
Baird, J., Waikino, N.Z. Using stored or compressed water for driving water-motor	22670	8 April ..	44	16 May.*
Baird, H., Ashburton, N.Z. Draught, &c., excluder ..	21103	8 May, 1906	62	11 July.
Baker, A., Invercargill, N.Z. Clothes-hanger ..	22707	18 April ..	..	..
Baldwin, E. S., and another, Wellington, N.Z. Rifle-sight. (The Sutherland Rifle-sight Company, Limited—M. E. Sutherland)	22625	2 April ..	48	30 May.
Baldwin, W., Sydney, N.S.W. Method of waterproofing floors and roofs	22734	24 April ..	56	27 June.
Barden, J., Dunedin, N.Z. Bird-trap ..	21148	12 May, 1906	41	2 May.
Barker, H. L., and another, Ashburton, N.Z. Tire-cover ..	22960	10 June ..	56	27 June.*
Barton, F. W., Dunedin, N.Z. Cellar-lift ..	22607	25 March ..	44	16 May.
Barton-Wright, E. W., and another, London, Eng. Agglutinant for consolidating the active material for electric accumulators	22932	28 May ..	62	11 July.
Barton-Wright, E. W., and another, London, Eng. Construction of electric accumulators	22959	5 June ..	65	25 July.
Basley, G. W., and another, Auckland, N.Z. Cleansing gum, resin, &c.	22724	18 April ..	44	16 May.*
Bateheler, G. W., and another, Orepuki, N.Z. Stump-extractor ..	22894	23 May ..	56	27 June.*
Bates, E., Auckland, N.Z. Cow-spayer ..	22499	1 March ..	41	2 May.
Bavay. (See De Bavay.)				
Bawden, J. M., Traralgon, Vic. Split link ..	22955	7 June ..	..	..
Bayard, E., Rochester, U.S.A. (See United Shoe Machinery Company, No. 22920.)				
Beamish, W., Dunedin, N.Z. Animal-trap ..	22853	17 May ..	51	13 June.*
Beattie, S. T., and another, Sydney, N.S.W. Method of marking race-competitors	22880	20 May ..	65	25 July.
Beaumont, G., and another, Dunedin, N.Z. Loom ..	22966	7 June ..	65	25 July.
Beckett, D., Reikiorangi, N.Z. Wire-netting holder ..	22659	10 April ..	44	16 May.*
Bedell, H. G., Westport, N.Z. Ventilating-skylight ..	22851	15 May ..	51	13 June.*
Belcher, J. P., Wanganui, N.Z. Hurdle ..	22971	8 June ..	..	..
Bell, H., and another, Melbourne, Vic. Nail-making machine	22655	10 April ..	41	2 May.*
Bell, H. N., Invercargill, N.Z. Soldering of cans, &c. ..	22924	29 May ..	56	27 June.*
Bell, S. E., Wangaratta, Vic. Fuel-economizer, soot-arrester, &c. ..	22635	4 April ..	41	2 May.*
Bellingham, J., and another, Wellington, N.Z. Ferro-concrete and fire-proof construction	22676	11 April ..	48	30 May.
Benfell, J. T., Dunedin, N.Z. Embrocation ..	22900	25 May ..	62	11 July.*
Benn, B. W., Meeniyau, Vic. Vacuum-motor for cow-milking apparatus	22653	6 April ..	41	2 May.*
Benn, B. W., Meeniyau, Vic. Cock and accessory for use with milking-machines	22654	6 April ..	41	2 May.*
Benn, B. W., Meeniyau, Vic. Teat-cup ..	22866	18 May ..	51	13 June.*
Bergin, A. J., Rozelle, N.S.W. Motor-cycle belt ..	22450	2 July, 1906†	41	2 May.
Bevenot, P., and another, Paris, France. Extracting solids from fluids	22432	13 Feb. ..	56	27 June.
Biddle, W., Kilbirnie, N.Z. Tire-protector ..	22982	13 June ..	..	..
Bird, W. H., Wanganui, N.Z. Cover for motor-car tires ..	23065	29 June ..	65	25 July.*
Blackham, W. H., Melbourne, Vic. Vacuum-apparatus for milking. (W. J. Teese)	22535	13 March ..	44	16 May.
Blackham, W. H., Melbourne, Vic. Milking-apparatus. (W. J. Teese)	22536	13 March ..	44	16 May.
Blackham, W. H., Melbourne, Vic. Milking-machine teat-cup support. (W. J. Teese)	22700	17 April ..	44	16 May.*
Blackham, W. H., Melbourne, Vic. Teat-cup for milking-machine. (W. J. Teese)	23034	24 June ..	65	25 July.*
Blades, T., and others, Footscray, Vic. Railway-signalling ..	22624	2 April ..	44	16 May.
Blain, J., and another, Dunedin, N.Z. Mitre box and cramp ..	21979	25 Oct., 1906..	56	27 June.
Blanc. (See Le Blanc.)				
Booth, G. T., Christchurch, N.Z. Attachment to flax-stripper for truing up beaters of drum	22662	10 April ..	41	2 May.*
Booth, W., and another, Sydney, N.S.W. Butter-cutter ..	22916	30 May ..	..	..
Borgnet, P., Liege, Belgium. Electrolytic apparatus ..	22984	13 June ..	..	..

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Borgström, A. H., Hango, Finland. Manufacture of butter .. ..	22943	4 June ..	65	25 July.
Bottrill, F., Tintinara, S.A. Vehicle-wheel .. ..	22696	17 April ..	41	2 May.*
Bowden, F., Miller's Flat, N.Z. Rabbit-trap .. ..	22738	25 April ..	48	30 May.*
Bradley, A. E., and another, Christchurch, N.Z. Lead-calme ..	21047	19 Sept., 1906	41	2 May.
Bradley, H. G., and another, Christchurch. Lead-calme ..	21047	19 Sept., 1906	41	2 May.
Boys, F. T., Napier, N.Z. Iron fencing-standard .. ..	22969	11 June ..	..	..
Brandt, E., Melbourne, Vic. Kerosene-pump .. ..	22278	8 Jan. ..	48	30 May.*
Bretherton, G. E., Makirikiri, N.Z. Plough .. ..	22460	19 April ..	41	2 May.*
Brewin, J., Auckland, N.Z. Bottle-washing machine .. ..	22702	17 April ..	51	13 June.
Bridger, T. E., Dunedin, N.Z. Teeth-extracting appliance ..	21328	19 June, 1906	56	27 June.
Brighton, W., Invercargill, N.Z. Reversing-gear for engines ..	22850	17 May ..	51	13 June.*
Bristow, C., Christchurch, N.Z. Milking-machine .. ..	22797	10 May ..	48	30 May.*
Bristow, C., Christchurch, N.Z. Seed-sower .. ..	22804	10 May ..	48	30 May.*
Brock, W., and another, Wellington, N.Z. Flax-treating machinery ..	22732	24 April ..	44	16 May.*
Broome, G. W. E., Auckland, N.Z. Hair-pin .. ..	22928	31 May ..	62	11 July.*
Brown, E. J., and another, Table Top, N.S.W. Animal-decaudater ..	21619	8 Aug., 1906	44	16 May.
Brown, F. C., Komata, N.Z. Lining tube-mills and other grinding and pulverising machines	22689	11 April ..	41	2 May.*
Brown, F. C., Komata, N.Z. Lining for tube-mills and ball-mills, &c.	22864	17 June ..	62	11 July.
Brown, J., Melbourne, Vic. Lever-jack stump-puller and cramp ..	21411	4 July, 1906..	48	30 May.
Brown, J. H., and another, Wellington, N.Z. (See E. C. E. Mills, P. Heyes, and W. J. Napier, No. 22746.)				
Brown, P. J., Naseby, N.Z. Valve for water-pipe .. ..	21412	4 July, 1906..	51	13 June.
Brown, R., Westminster, Eng. Electric switch .. ..	22339	24 Jan., 1906†	41	2 May.
Browne, F. G., and another, Melbourne, Vic. Treatment of hides, leather, &c.	22827	15 May ..	56	27 June.*
Browne, G. J., and another, Palmerston North, N.Z. Machine for making sheet-metal seamed and grooved piping	22650	2 Feb. ..	36	18 April.
Bryant, W. H., Wellington, N.Z. Coal-carrier .. ..	22826	15 May ..	..	..
Bryson, J., Otatara, N.Z. Wood-splitter .. ..	23017	17 June ..	65	25 July.*
Budge, J., and another, Sydney, N.S.W. Butter-cutter .. ..	22916	30 May ..	..	..
Burfoot, A., and another, Auckland, N.Z. Pneumatic wheel .. ..	21940	19 Oct., 1906..	33	4 April.
Burfoot, J., and another, Auckland, N.Z. Pneumatic wheel .. ..	21940	19 Oct., 1906..	33	4 April.
Burger, R., Berlin, Germany. (See Thermos, Limited, No. 23022.)				
Burns, J., Christchurch, N.Z. Teat-cup pulsating-device .. ..	22972	12 June ..	62	11 July.*
Burns, J., Christchurch, N.Z. Teat-cup .. ..	23012	20 June ..	62	11 July.*
Burrell, D. H., jun., and another, Little Falls, U.S.A. Shaft-mountings for centrifugal machines. (M. L. Hoyt.)	22642	3 April ..	..	..
Burrell, L., and another, Little Falls, U.S.A. Shaft-mountings for centrifugal machines. (M. L. Hoyt)	22642	3 April ..	..	..
Burrows, J., Auckland, N.Z. Hose-darner .. ..	22584	20 March ..	44	16 May.*
Byron, A. H., and another, Wellington, N.Z. Brick .. ..	22608	28 March ..	44	16 May.*
Cahill, T., Auckland, N.Z. Fire-alarm .. ..	22962	6 June ..	..	..
Callaghan, J., Dunedin, N.Z. Milk can and measure .. ..	22651	9 April ..	44	16 May.*
Cameron, C. C., Banks Peninsula, N.Z. Sledge .. ..	22799	10 May ..	62	11 July.
Campbell, J. L., Adelaide, S.A. Machine for moulding plastic material	23050	26 June ..	65	25 July.*
Carrick, J. W., and another, Wellington, N.Z. Bracket or clip for supporting brooms, &c.	22999	17 June ..	..	..
Carter, T. E., Auckland, N.Z. Window-sash lifter and lock .. ..	22882	20 May ..	56	27 June.*
Carter, W. H., jun., Wellington, N.Z. Pin .. ..	22877	22 May ..	51	13 June.*
Carver, W., Prospect, S.A. Broom .. ..	23047	26 June ..	..	..
Chambers, jun., C., Overbrook, U.S.A. Dough-mixing machine .. ..	22887	25 May ..	62	11 July.
Chambers, jun., C., Overbrook, U.S.A. Dough-mixing process .. ..	22888	25 May ..	62	11 July.
Chambers, J., and another, Auckland, N.Z. Cleansing gum, resin, &c.	22724	18 April ..	44	16 May.*
Chambers, L. T., and another, Melbourne, Vic. Fence-making machine. (C. J. Lane and R. J. Crane)	22911	29 May ..	62	11 July.
Chancellor, S. T., and another, Hobart, Tas. Levelling-staff .. ..	21680	23 Aug., 1906	51	13 June.
Chapman, W. J., and another, Sydney, N.S.W. Method of marking race-competitors	22880	20 May ..	65	25 July.
Checkogram, Limited, and others, London, Eng. Counting and registering apparatus for turnstiles	22868	17 Jan., 1907†	65	25 July.
Childs, H., Ashburton, N.Z. Swingle-tree and pulley-frame .. ..	22857	21 May ..	..	..
Chipman, Limited, Sydney, N.S.W. Convertible vehicle. (C. Wesp)	22809	11 May ..	65	25 July.
Christie, J., Warepa, N.Z. Tram-rail sweeper .. ..	21750	4 Sept., 1906	41	2 May.
Christie, R. L., Gore, N.Z. Poison-laying machine .. ..	21570	30 July, 1906..	62	11 July.
Christie, T. R., Dunedin, N.Z. Skylight .. ..	22593	22 March ..	41	2 May.*
Clapcott, F. B., Auckland, N.Z. Suspender for braces .. ..	23057	24 June ..	..	..
Clark, E., and another, Windsor, Vic. Attachable resilient heel for boots and shoes	23048	26 June ..	..	..*
Clark, G., Melbourne, Vic. Constructing walls and buildings with interlocking parts	22876	22 May ..	51	13 June.*
Clark, J. J., Kensington, Vic. Milking-machine .. ..	23042	25 June ..	65	25 July.*
Clark, J. J., Kensington, Vic. Teat-cup .. ..	22957	5 June ..	56	27 June.*
Clark, R. O., Hobsonville, N.Z. Straightening earthenware pipes ..	21491	19 July, 1906..	56	27 June.
Clark, R. O., Hobsonville, N.Z. Pipe to stand high-pressure .. ..	22509	18 May ..	51	13 June.
Clark, R. O. Auckland, N.Z. Use of slimes and tailings in the manufacture of bricks, pipes, &c.	23029	20 June ..	..	..
Clarke, W. S., Auckland, N.Z. Fixing up plastering-laths .. ..	20970	7 June, 1906	36	18 April.
Clarke, G. J., Oaonui, N.Z. Saddle-cover .. ..	22992	15 April ..	..	..
Clift, E. H., Kensington, Eng. Internal-combustion engine .. ..	22630	28 March, 1906†	65	25 July.*
Cobham, W. S., and another, Wellington, N.Z. Tip for the ends of chair, &c., legs	22627	2 April ..	56	27 June.*

## ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Coffey, M. P., Melbourne, Vic. Drawing off beer, &c., by pneumatic pressure	22899	25 May ..	51	13 June.*
Colpus, C., Wellington, N.Z. Picture-frame clamp .. ..	22045	12 Nov., 1906	48	30 May.*
Colpus, C., Wellington, N.Z. Trolley-pole .. ..	22917	30 May ..	56	27 June.*
Colson, B. E., Auckland, N.Z. Hat-fastener .. ..	22855	20 May ..	56	27 June.*
Cometti, A., Petone, N.Z. Potato digger and harvester ..	22879	23 May ..	51	13 June.*
Comings, W. R., Surrey, Eng. Box-making machine ..	22363	28 Jan. ..	44	16 May.
Cook, Palmerston North, N.Z. Cheese-crate .. ..	22740	25 April ..	..	..
Cooke, A. N., and another, Richmond, Vic. Bicycle-pedal strap or toe-clip	22701	17 April ..	44	16 May.*
Coomber, J., Newport, Vic. (See R. J. Coomber, No. 22976.)				
Coomber, R. J., Northcote, Vic. Flaying-knife. (J. Coomber) ..	22976	12 June ..	..	..
Coombs, E., Auburn, Vic. Fibrous plastering .. ..	22725	24 April ..	48	30 May.
Cooper, F. H., Wellington, N.Z. Trolley-pole of electric car ..	22768	2 May ..	48	30 May.*
Copeland, H. M., and another, Palmerston North, N.Z. Telephony..	22586	23 March ..	44	16 May.*
Copeland, H. M., and another, Palmerston North, N.Z. Telephony..	22587	23 March ..	44	16 May.*
Copeland, J., and another, Palmerston North, N.Z. Telephony ..	22586	23 March ..	44	16 May.*
Copeland, J., and another, Palmerston North, N.Z. Telephony ..	22587	23 March ..	44	16 May.*
Coppell, E. T., Kaitaia, N.Z. Self-centring lathe-chuck ..	22596	23 March ..	44	16 May.*
Coppell, E. T., Kaitaia, N.Z. Mechanism attached to lathes for replacing callipers	22597	23 March ..	44	16 May.*
Corbett, F. J., South Yarra, Vic. (See E. J. Keogh, No. 22788.)				
Corbett, F. J., South Yarra, Vic. (See E. J. Keogh, No. 22954.)				
Corbett, F. J., South Yarra, Vic. (See H. Corbett, No. 22980.)				
Corbett, H., South Yarra, Vic. Food for stock, or manure. (F. J. Corbett)	22980	13 June ..	..	..
Cotton, F., Hornsby, N.S.W. Treatment of ores containing iron ..	22614	28 March ..	44	16 May.
Cotton, F. R., Christchurch, N.Z. Telephone-subscribers' list ..	22628	2 April ..	..	..
Cox, F. J., London, Eng. Production of gas .. ..	23026	22 June ..	..	..
Cox, G. J., Balwyn, Vic. Securing cash-box of coin-freed apparatus	22636	4 April ..	48	30 May.
Cox, G. J., Balwyn, Vic. Indicating and recording the velocities of fluids	22637	4 April ..	44	16 May.
Craig, W., and another, Wanganui, N.Z. Flax-dressing .. ..	23043	25 June ..	..	..
Cramer-Roberts, H., Waihi, N.Z. Treatment of gold and silver ores	22690	15 April ..	44	16 May.*
Crane, R. J., and another, Holly, U.S.A. (See L. T. Chambers and W. E. Thompson, No. 22911.)				
Cranwell, B. F., and others, Auckland, N.Z. Broadcaster ..	20871	14 March, 1906	41	2 May.
Crichton, A., and another, Dunedin, N.Z. Adjustable chair ..	22613	28 March ..	44	16 May.
Cronin, J. J., Wellington, N.Z. Tea-compound .. ..	22847	17 May ..	..	..
Crook, A., Christchurch, N.Z. Punching and milling machine ..	22865	21 May ..	..	..
Crothwaite, W. G., Leeds, Eng. Fire-bar for furnace .. ..	22474	28 Feb. ..	44	16 May.
Cumberland, P. E. G., St. Kilda, Vic. Preventing corrosion of metals immersed in water	21592	4 Aug., 1906	62	11 July
Cunningham, D. Y., and another, Timaru, N.Z. Weatherboard-joint	22362	28 Jan. ..	56	27 June
Currie, F., and another, Hamilton, N.Z. Pan and dish holder ..	23058	24 June ..	..	..
Dahl, E. A., Wellington, N.Z. Rendering fabrics waterproof ..	22782	8 May ..	48	30 May.*
Darling, W. F., and another, Hobart, Tas. Levelling-staff ..	21680	23 Aug., 1906	51	13 June.
Davidson, G., Hokitika, N.Z. Sprocket-chain .. ..	22681	12 April ..	44	16 May.
Davidson, T. H., Dunedin, N.Z. Flax-scraping machine .. ..	22648	4 April ..	48	30 May.
Davidson, W., Clinton, N.Z. Plough .. ..	22965	7 June ..	62	11 July.*
Davies, J. B., and another, Melbourne, Vic. Nail-making machine..	22655	10 April ..	41	2 May.*
Davis, A. E., and others, Johannesburg, Transvaal. Transporting-apparatus for mines	22949	5 June ..	65	25 July.
Davis, A. V., Auckland, N.Z. Electrical retoucher .. ..	22936	30 May ..	62	11 July.*
Dawson, B. F. H., East Brunswick, Vic. Culinary utensil ..	23025	22 June ..	65	25 July.*
Dawson, T., Maraekakaho, N.Z. Chock for steadying oil-engines ..	21851	1 Oct., 1906	36	18 April.
De Baugh, W. H., Auckland, N.Z. Heating-arrangement for boilers..	22952	6 June ..	62	11 July.*
De Bayay, A. J. F., Kew, Vic. Separating parts of the constituent of ores	23049	26 June ..	65	25 July.*
De Laitte, L. B., London, Eng. (See W. E. Hughes, No. 22801.)				
De Neveu, E., and another, Asnières, France. Extracting solids from fluids	22432	13 Feb. ..	56	27 June.
De Perini, V. A., Rodeio, Brazil. Production of textile fibre ..	21999	16 Nov., 1905†	51	13 June.
Desy, L. A., Montreal, Canada. (See J. W. Harris, No. 22626.)				
Dickens, S., Carlton, Vic. Mouth-organ .. ..	22116	27 Nov., 1906	33	4 April.
Dickie, R. J., and another, Wellington, N.Z. (See E. C. E. Mills, P. Heyes, and W. J. Napier, No. 22746.)				
Diefendorf, O. G., Binghampton, U.S.A. Brick-machine .. ..	22921	30 May ..	..	..
Dixon, A., San Francisco, U.S.A. (See E. N. Waters, No. 22564.)				
Docherty, S., Papatoitoi, N.Z. Catch or eye attachment to swingletree	22806	7 May ..	..	..
Doig, A., and another, Marsden, N.Z. Transporting apparatus for cargo	23006	15 June ..	65	25 July.*
Donald, R. K., Loeh, Vic. Cradle crusher .. ..	22931	9 May ..	62	11 July.
Donaldson, M., and another, Johannesburg, Transvaal. Totalisator apparatus	22909	29 May ..	..	..
Donnelly, H., Roxburgh, N.Z. Lamp-wick .. ..	22930	30 May ..	..	..
Douglas, R. R., Dunedin, N.Z. Machinery-roller .. ..	22621	28 March ..	41	2 May.*
Douglas, R. R., Dunedin, N.Z. Protectors for links of running machinery	22692	13 April ..	41	2 May.*
Dover, H. W., Northampton, Eng. Pneumatic tire .. ..	22728	18 May, 1906†	51	13 June.
Downs, H., and another, Gisborne, N.Z. Railway fishplate ..	22024	7 Nov., 1906	48	30 May.

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—*continued.*

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Drewet, J. C., and another, Auckland, N.Z. Vulcanised india-rubber concrete	22905	25 May ..	56	27 June.*
Drewet, O. H., Auckland, N.Z. Vulcanised india-rubber concrete ..	22906	25 May ..	56	27 June.*
Duncan, W. H., Glen Oroua, N.Z. Apparatus for heating or cooling liquids	22771	3 May ..	56	27 June.*
Dunn, A., Christchurch, N.Z. Swivel-joint for windmill-rods ..	22818	14 May ..	51	13 June.*
Dunz, W., Granville, Eng. Laying jointless stone-wood flooring ..	22665	10 April ..	48	30 May.
Durham, T. C., New York, U.S.A. Razor ..	22889	25 May ..	62	11 July.
Dyhrberg, L. N., Ashburton, N.Z. Machine for making earthenware pipes	23044	25 June ..	..	..
Edgar, W., Dannevirke, N.Z. Wire-strainer ..	22838	16 May ..	51	13 June.*
Edmands, H. R., and another, Menzies, W.A. (See J. Fergusson, No. 21642.)	..	..	..	..
Edwards, A. J., Auckland, N.Z. Trolley-pole controller ..	21336	22 June, 1906	48	30 May.
Ellis, A., and another, Dunedin, N.Z. Securing wires to posts ..	22716	17 April ..	44	16 May.*
Ellis, P., Wellington, N.Z. Rotary motor ..	22967	10 June ..	62	11 July.*
Elvines, F. and another, Wellington, N.Z. Metal-saving mat ..	22770	3 May ..	51	13 June.*
Emeson, R. H. H., Christchurch, N.Z. Marking or branding carcasses of meat	22705	17 April ..	48	30 May.*
Evans, W., and another, Dunedin, N.Z. Weatherboard-joint ..	22362	28 Jan. ..	56	27 June.
Farrell, F. J., Auckland, N.Z. Fire or burglar alarm ..	21208	21 May, 1906	48	30 May
Featon, E. V., Gisborne, N.Z. Tongue for boots and shoes ..	22987	12 June ..	62	11 July.*
Fergusson, J., Gawler, S.A. Filter press-plate. (H. R. Edmands and S. F. Gidney)	21642	16 Aug., 1906	62	11 July.
Ferrar, J. E., and others, Johannesburg, Transvaal. Transporting-apparatus for mines	22949	5 June ..	65	25 July.
Fessenden, R. A., Washington, U.S.A. Electric signalling ..	22895	23 May ..	62	11 July.
Ffitch, H., Christchurch, N.Z. Safeguard attachment to tram or railway cars	23020	21 June ..	65	25 July.*
Finnigan, T. K., Korort, Vic. Horse-collar ..	21534	30 July, 1906	33	4 April.
Fippard, A. J., London, Eng. Hydraulic-clutch ..	23009	19 June ..	..	..
Fischer, A., Adelaide, S.A. Quick-heating water-vessel ..	22666	10 April ..	48	30 May.
Fischer, A., Adelaide, S.A. Cooking and baking apparatus ..	22667	10 April ..	44	16 May.
Fischer, A., Adelaide, S.A. Tap for water and gas ..	22668	10 April ..	51	13 June.
Fischer, A., Adelaide, S.A. Gas-burner ..	22669	10 April ..	48	30 May.
Floessel, W., Wellington, N.Z. Chocking the wheels of hand-trucks, &c.	22769	2 May ..	56	27 June.*
Fogde, W., and others. (See International Cigar-machinery Company, No. 22629.)	..	..	..	..
Fonts, G. S., San Jose, U.S.A. (See E. N. Waters, No. 22564.)	..	..	..	..
Foord, W., Macksville, N.S.W. Milk and cream cooler. ..	22922	30 May ..	..	..
Ford, A., and others, Wellington, N.Z. Card-game ..	22718	20 April ..	48	30 May.*
Ford, J., Dunedin, N.Z. Combination perambulator, cradle, chair, &c.	23007	19 June ..	..	..
Fortescue, F. L., Arncliffe, N.S.W. Ends-connector for metal tires of wheels	22878	23 May ..	65	25 July.
Fowler, J. W., Auckland, N.Z. Smoke-consumer ..	22742	24 April ..	56	27 June.*
France, H. B., Levin, N.Z. Iron covering for buildings ..	23061	28 June ..	65	25 July.*
Freeman-Matthews, S. C. J., and others, Wellington, N.Z. Card-game	22718	20 April ..	48	30 May.*
French, A. G., Auckland, N.Z. Manufacture of lime-stucco cement ..	22774	2 May ..	56	27 June.*
Friedenreich, L., Thornleigh, N.S.W. Compressed yeast and production thereof	21339	22 June, 1906	62	11 July.
Friend, J. E., Annandale, N.S.W. Rotary steam-engine ..	22684	13 April ..	48	30 May.
Friend, J. E., Annandale, N.S.W. Rotary gas-engine ..	22756	1 May ..	51	13 June.
Frogley, N. W., Mont Albert, Vic. Window sash and fastening ..	22803	10 May ..	62	11 July.
Fuller, W., Kirikiriri, N.Z. Cattle-food made from flax, &c., refuse ..	23056	24 June ..	..	..
Gaby, H. J., Kilbirnie, N.Z. Step-ladder ..	22683	13 April ..	44	16 May.*
Galbally, J. O., Wellington, N.Z. Window-sash ..	21380	29 June, 1906	48	30 May.
Gallagher, J., and another, Auckland, N.Z. Ointment ..	22830	11 May ..	..	..
Galt, J., Mataura, N.Z. Sleeve-link ..	21248	1 June, 1906	36	18 April.
Gardner, W. S., Palmerston North, N.Z. Hinged keel for boats, &c.	22963	10 June ..	62	11 July.*
Gare, T., New Brighton, Eng. Manufacturing and repairing india-rubber goods	22873	29 May, 1906†	..	..
Gibbs, R., Christchurch, N.Z. Means for displaying advertising matter	22778	6 May ..	..	..
Gidney, S. F., and another, Menzies, W.A. (See J. Fergusson, No. 21642.)	..	..	..	..
Gilbert, T. J., and another, Brunswick, Vic. Moving machine for treating railway or rail deformities	22744	24 April ..	56	27 June.
Gill, A. R., Abergavenny, Eng. Turning over cards, papers, &c. ..	23028	22 June ..	62	11 July.*
Gillett, W., and another, London, Eng. Carburetter for internal-combustion engine	22656	10 April ..	44	16 May.
Gillies, A., Heidelberg, Vic. Pulsating teat-cups ..	22939	4 June ..	56	27 June.*
Gilling, H. W., Matapu, N.Z. Milking-machine ..	22560	19 March ..	41	2 May.*
Gillingham, K., Dunedin, N.Z. Oven of cooking-range ..	22590	20 March ..	41	2 May.*
Girdler, E., Invercargill, N.Z. Flax-stripper drive ..	22796	7 May ..	48	30 May.*
Girdler, G. T., Auckland, N.Z. Explosive-engine ..	22996	13 June ..	62	11 July.*
Glendining, R., and another, Dunedin, N.Z. Loom ..	22966	7 June ..	65	25 July.
Goldkuhl, A. M., and another, Gothenburg, Sweden. (See Rhedin, Goldkuhl, and Co.)	..	..	..	..
Goldstein, E., Cologne, Germany. Opening bottle-stoppers ..	22632	4 April ..	56	27 June.
Goldstein, E., Cologne, Germany. Bottle-capsule.. ..	22633	4 April ..	56	27 June.

## ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Goldstein, E., Cologne, Germany. Closing bottles by means of metal capsules	22634	4 April	..	..
Gooder, N. I., Taitville, N.Z. Trolley-arm head and retriever	23001	18 June	65	25 July.*
Gordon, J., Christchurch, N.Z. Shield-attachment for tires	22543	14 March	44	16 May.*
Gover, W. R., Burwood, N.S.W. Spinal corselet	22393	2 Feb.	48	30 May.†
Gray, A., and another, Wellington, N.Z. Pocket of wearing-apparel	22410	9 Feb.	41	2 May.*
Gray, G., Dunedin, N.Z. Seed-sower	21344	22 June, 1906	48	30 May.
Green, H. C., Napier, N.Z. Electric-indicator lock	22970	10 June	..	..
Green, R. A. W., Longueville, N.S.W. Screw-propeller	23054	26 June	..	..
Gruvill, F. W. B., Wellington, N.Z. Milk-preserving	22844	17 May	56	27 June.*
Gruhn, A., Timaru, N.Z. Indoor game	22713	19 April	48	30 May.
Hadaway, J. B., Brookton, U.S.A. (See United Shoe Machinery Company, No. 22765.)				
Hale, G. R., Napier, N.Z. Scaffolding-bracket	22747	29 April	44	16 May.*
Hall, A. J., Thornleigh, N.S.W. Scarifier	22424	11 Feb.	44	16 May.
Hall, E. J., Palmerston North, N.Z. (See C. Jansen, No. 22557.)				
Hall, T., and another, New Plymouth, N.Z. Metal-saving mat	22770	3 May	51	13 June.*
Hamer, W., Devonport, N.Z. Portable boiler	22893	23 May	..	..
Hamilton, H., Kurow, N.Z. Securing horse-covers in position	22854	20 May	51	13 June.*
Hammond, I. B., Portland, U.S.A. Dredge-bucket	22757	1 May	56	27 June.
Hammond, W. H., Wollahra, N.S.W. Steam-boiler	21640	16 Aug., 1906	48	30 May.
Hampton, H. V., and another, Melbourne, Vic. (See F. G. McIntosh, No. 22697.)				
Hankinson, A., Sydney, N.S.W. Wire lattice for reinforcing concrete floors	22576	21 March	44	16 May.
Hanlon, W. H., and another, Dunedin, N.Z. Valve-gear for engines	22645	4 April	41	2 May.*
Hannam, W. H., Sydney, N.S.W. Gas-fired bath-water heater	22811	1 Aug., 1906†	56	27 June.
Hansen, N. J., Motu, N.Z. Axe	22109	26 Nov., 1906	41	2 May.
Hanwell, W. H., Wellington, N.Z. Chalk-suspender for billiards, &c.	22981	13 June	62	11 July.*
Hardley, J. W., Auckland, N.Z. Machine for bending metals	21381	29 June, 1906	44	16 May.
Hare, A., Auckland, N.Z. Operating gas-valves, electric switches, &c.	22991	14 June	..	..
Harker, G., Petersham, N.S.W. Means for extinguishing fire and destroying vermin in ships, &c.	22825	15 May	..	..
Harkness, B. G. A., Stratford, N.Z. Potato-planter	23000	18 June	..	..
Harper, C., Guildford, W.A. Disposal of effluent from septic tank	22183	12 Dec., 1906	41	2 May.
Harrington, J. G., and another, Table Top, N.S.W. Animal-decaudater	21619	8 Aug., 1906	44	16 May.
Harris, J. W., Montreal, Canada. Excavator. (L. A. Desy)	22626	2 April	..	..
Harris, L. W., and another, Dunedin, N.Z. Measuring wearers for garments	22858	18 May	..	..
Harrison, J. W. M., Wellington, N.Z. Ventilator for windows	22956	7 June	62	11 July.*
Hartwell, D., Wellington, N.Z. Flax-dressing machine	20874	19 March, 1906	38	4 April.
Harvey, W. J., and another, Wanganui, N.Z. Tire	22720	19 April	..	..
Harvey, W. J., and another, Wanganui, N.Z. Clothes-washer	22762	29 April	51	13 June.*
Hatmaker, J. R., Paris, France. Drying milk	21451	16 July, 1906	56	27 June.
Hay, R. E., Seddon, N.Z. Tool for boring	21362	27 June, 1906	44	16 May.
Hayes, A., New York, U.S.A. Treatment of iron or steel	23036	28 June, 1906†	..	..
Hayes, A., New York, U.S.A. Fibrous steel	23037	28 June, 1906†	..	..
Hayes, A., New York, U.S.A. Solution for treatment of iron or steel	23038	28 June, 1906†	..	..
Hayes, E., Rough Ridge, N.Z. Lever apparatus	22775	6 May	51	13 June.*
Hayes, E., Rough Ridge, N.Z. Wire-coiling machine	22860	21 May	..	..
Haynes, C. T., Auckland, N.Z. Fastener for lids of sanitary pans	22741	26 April	48	30 May.*
Haywood, H. J., Aramoho, N.Z. Floor-polishing apparatus	22841	15 May	56	27 June.*
Heithersay, J. S., Adelaide, S.A. Perpetual calendar	22250	29 Dec., 1905†	44	16 May.
Hellberg, F. W., Sydney, N.S.W. Hammock and tent	22394	4 Feb., 1907	33	4 April.
Henderson, G., Turua, N.Z. Boot	22905	10 May	51	13 June.*
Henderson, J., Sydney, N.S.W. Receptacle for small goods	22915	26 July, 1906†	..	..
Heskett, T. J., and another, Melbourne, Vic. Reducing iron-ore	22835	16 May	51	13 June.*
Heyes, P., and others, Wellington, N.Z. Coin-freed stamp, &c., vending-machine. (R. J. Dickie and J. H. Brown)	22746	29 April	56	27 June.
Heye, J. J., Lynn, U.S.A. (See Manufacturers' Machine Company, No. 22927.)				
Hicks, C. J., and another, Melbourne, Vic. Lawn spray or sprinkler. (A. E. Strickland)	22730	24 April	62	11 July.
Hicks, L. H., and another, Richmond, Vic. Bicycle pedal-strap or toe-clip	22701	17 April	44	16 May.*
Hight, J., and another, Christchurch, N.Z. Milking-machine	22719	20 April	44	16 May.*
Hill, A., Denver, U.S.A. (See The Kendrick and Hill Manufacturing Company, No. 22579.)				
Hill, H., and another, Dunedin, N.Z. Mitre-box and clamp	21979	25 Oct., 1906..	56	27 June.
Hitchins, J. K., Petone, N.Z. Axe, slasher, &c.	22694	16 April	48	30 May.
Hobbs, A. J., and another, Brunswick, Vic. Means for preventing horses running away	23031	24 June	65	25 July.*
Hogg, T. E., Christchurch, N.Z. Attachment to plough for feeding potatoes, &c.	22834	16 May	51	13 June.*
Holland, J., Purakanui, N.Z. Rabbit-trap	22813	10 May	56	27 June.*
Hollingworth, A., and another, Wanganui, N.Z. Tire	22720	19 April	..	..
Holmes, G. G., Pigeon Bay, N.Z. Securing together ends of fencing-wire	22990	14 June	..	..
Hood, D. N., New York, U.S.A. Ore-treating apparatus	22758	15 Sept. 1906†	..	..
Hooker, L. O., Hawera, N.Z. Perch-carrier	22104	28 Nov., 1906	41	2 May.*
Hooper, W. H., Lynn, U.S.A. Boot-treating machine	23055	2 July, 1906..	..	..

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Hopkins, G. W., Cleveland, U.S.A. Acetylene blow-pipes .. ..	22884	25 May ..	62	11 July.
Horner, J. P., Epsom, N.Z. Shaft-tug .. ..	22620	28 March ..	44	16 May.*
Horton, J. A., Providence, R.I., U.S.A. Wire-drawing drum .. ..	22664	14 April, 1906†	..	..
Hoyt, M. L., Little Falls, U.S.A. (See L. and D. H. Burrell, jun., No. 22642.)				
Hudson, E., and others, London, Eng. Loose-leaf binder .. ..	22754	1 May ..	56	27 June.
Hudson, J. G., Wanganui, N.Z. Railway signalling. (W. McKeegan)	22710	18 April ..	44	16 May.*
Hudson, W., and others, London, Eng. Loose-leaf binder .. ..	22754	1 May ..	56	27 June.
Hughes, W. E., Wellington, N.Z. Bicycle-support. (G. S. Meredith)	22191	12 Dec., 1906..	51	13 June.*
Hughes, W. E., Wellington, N.Z. Machine for finishing curved stereotypes, &c. (Printing Machinery Company, Limited—H. A. W. Wood)	22567	20 March ..	41	2 May.
Hughes, W. E., Wellington, N.Z. Carburetter for internal-combustion engine. (L. B. de Laitte)	22801	10 May ..	62	11 July.
Hulme, C. H., Christchurch, N.Z. Billy-can .. ..	22849	17 May ..	56	27 June.*
Humble, T., Geelong, Vic. (See J. B. MacEwan and Co., Limited, No. 22914.)				
Hunter, W. E., Maungakarama, N.Z. Wire-strainer .. ..	22929	1 June ..	..	..
Hunter, W. E., Maungakarama, N.Z. Wire-strainer .. ..	22993	15 June ..	..	..
Hutchinson, G., Christchurch, N.Z. Seed-sower .. ..	22706	18 April ..	44	16 May.*
Hutchinson, G., Christchurch, N.Z. Seed-sower .. ..	22722	22 April ..	48	30 May.*
Hutchinson, G., and another, Christchurch, N.Z. Milking-machine ..	22719	20 April ..	44	16 May.*
Hutchinson, G., Christchurch, N.Z. Pneumatic valve cap-holder ..	22833	16 May ..	56	27 June.*
Hutchinson, J., and another, Hobsonville, N.Z. Parlour-game ..	23059	24 June ..	65	25 July.
Hutchinson, J. H., Auckland, N.Z. Bed of lathe, &c. .. ..	22815	13 May ..	65	25 July.*
Hutton, F., Waikaia, N.Z. Knife-cleaner .. ..	22983	13 June ..	65	25 July.*
Hyde, G., Masterton, N.Z. Extension dining-table .. ..	22950	6 June ..	62	11 July.*
Idiens, A. C., Christchurch, N.Z. Removing lead-headed nails from corrugated iron	22845	17 May ..	56	27 June.*
Imbert, A. H., Grand-Montrouge, France. Zinc-ore treatment ..	22213	23 April, 1906†	41	2 May.
International Cigar Machinery Company, New York, U.S.A. Cigar machinery. (O. Tyberg, W. S. Luckett, and M. Fogde)	22629	2 April ..	65	25 July.
International Sand Blast Company, San Francisco, U.S.A. Sand-blast apparatus. (W. H. Kelly)	22606	25 March ..	44	16 May.
Irvine, J., Napier, N.Z. Fencing-wire fastener .. ..	21318	15 June, 1906	36	18 April.
Ison, F. W., Wentworthville, N.S.W. Slicer for cutting animal feed ..	22871	22 May ..	56	27 June.*
Jackson, F. H., and another, New Plymouth, N.Z. Windmill .. ..	23052	26 June ..	65	25 July.*
Jackson, J. D., Prahra, Vic. Tubular bath-heater .. ..	21195	25 May, 1906..	41	2 May.
Jagger, P. B., London, Eng. Manufacture of concrete slabs, &c. ..	22482	10 March, 1906†	56	27 June.
James, F., and others, London, Eng. Loose-leaf binder .. ..	22754	1 May ..	56	27 June.
Jansen, C., Palmerston North, N.Z. Method of draining clothes in washing. (E. J. Hall)	22557	19 March ..	41	2 May*
Jarrett, A., N.S.W. Liquid-delivering device .. ..	22831	16 May ..	..	..
Jenkins, G. P., Ayr, Queensland. Means for storing cold .. ..	22867	22 May ..	62	11 July.*
Jenkins, G. P., Ayr, Queensland. Cooling brine for dairy purposes ..	22869	22 May ..	62	11 July.*
Jewell, J. R., and another, Brunswick, Vic. Means for preventing horses running away	23031	24 June ..	65	25 July.*
Johansen, H. V., Devonport, N.Z. Explosive engine .. ..	23073	28 June ..	..	..
Johnson, C. J., and another, Wellington, N.Z. Trolley-pole retriever	22817	14 May ..	51	13 June.*
Johnson, G., and another, Fremantle, W.A. Safety guard for razors	22938	4 June ..	56	27 June.
Johnson, H. H., and another, Forbes, N.S.W. Gas-lamp lighter and extinguisher	22731	9 Jan.†	..	..
Johnson, W. M., and another, Bendigo, Vic. Siphon device .. ..	22158	5 Dec., 1906	56	27 June.
Johnston, G., Liverpool, Eng. Railway-vehicle couplings .. ..	22785	8 May ..	51	13 June.
Johnstone, W. L., and another, Christchurch, N.Z. Construction of hurdle for horse-jumping	23051	26 June ..	65	25 July.*
Jones, A. L., Cricklewood, N.Z. Flax-treating apparatus .. ..	21243	31 May, 1906	36	18 April.
Jones, F., Wellington, N.Z. Tire .. ..	22735	24 April ..	44	16 May.*
Jordan, W. H., Christchurch, N.Z. Cooking-range .. ..	20708	12 Feb., 1906	48	30 May.
Joseph, A. I., Sydney, N.S.W. Treatment of sewage .. ..	22533	13 March ..	41	2 May.
Josephsson, H. J., and another, Gothenburg, Sweden. (See Rhedin Goldkuhl and Co.)				
Jute and Hanf Industrie Actien-Gesellschaft, Buda Pest, Hungary. (See G. G. Turri, No. 22951.)				
Kannuluik, J., and another, Melbourne, Vic. Drawing off fumes or gases from urinals, &c.	23008	19 June ..	62	11 July.*
Kay, J., Dunedin, N.Z. Pithing-spear .. ..	22691	15 April ..	44	16 May.*
Kelly, W. H., San Francisco, U.S.A. (See International Sand Blast Company, No. 22606.)				
Kendrick and Hill Manufacturing Company, The, Denver, U.S.A. Lawn-mower. (A. Hill)	22579	21 March ..	44	16 May.
Kendrick, C., Tariki, N.Z. Unwinding barbed wire off spool ..	22890	1 May ..	..	..
Kennedy, E. G., Feilding, N.Z. Attaching uppers to soles of boots ..	22304	12 Jan. ..	44	16 May.
Kennedy, R., and another, Glasgow, Scotland. Suction milking-machine	22985	10 June ..	..	..
Keogh, E. J., South Yarra, Vic. Hydraulic air exhauster and ejector. (F. J. Corbett)	22788	8 May ..	51	13 June.*
Keogh, E. J., South Yarra, Vic. Cleansing carpets, floors, ceilings, &c. (F. J. Corbett)	22954	6 June ..	62	11 July.*
Keppel, J. J., Outram, N.Z. Flax-stripping apparatus .. ..	23075	29 June ..	65	25 July.*

## ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Kerr, E. G., and another, Timaru, N.Z. Machine for issuing checks or tickets	22578	21 March ..	41	2 May.
Kerr, H. H., Elsternwick, Vic. Alternately supplying vacuum and air around teat-cups	22643	3 April ..	41	2 May.*
Kerr, H. H., and another, Elsternwick, Vic. Piping and teat-cups of milking apparatus	23011	17 June ..	62	11 July.*
Kettle, H. G., Dunedin, N.Z. Water-heater .. .. .	22238	22 Dec., 1906	33	4 April.*
Kidd, C. A., Christchurch, N.Z. Bicycle-pedal strap .. .. .	22573	20 March ..	41	2 May.
Killen, E. B., London, Eng. Rubber tread or tire .. .. .	22061	15 Nov., 1906	51	13 June.
King, G. W., and another, Auckland, N.Z. Seed-sower .. .. .	22793	9 May ..	56	27 June.
Kirkland, T. F., Palmerston North, N.Z. Splasher attachment to bicycle mud-guard	22760	1 May ..	48	30 May.*
Kjellin, F. A., Stockholm, Sweden. Method and furnace for reducing metals	22623	2 April ..	44	16 May.
Knight, F. J. G., and another, Wagin, W.A. Piping and teat-cups of milking machinery	23011	17 June* ..	62	11 July.*
Knowles, W., Christchurch, N.Z. Boot .. .. .	22378	31 Jan. ..	56	27 June.*
Kosseck, J. G., and others, Wellington, N.Z. Rat-stop for drains ..	22897	25 May ..	56	27 Jan.*
Kowtunoff. (See Poljakoff—Kowtunoff.)				
Krause, J. H., Nightcaps, N.Z. Apparatus for preventing horses from running away	22948	5 June ..	65	25 July.*
Krimer, M. L., London, Eng. Depilatory or hair-removing preparation	22767	5 Sept., 1906†	..	..
Kulitze, W. J., Palmerston North, N.Z. Pump for refrigerating apparatus	22821	14 May ..	62	11 July.*
Laitte. (See De Laitte.)				
Lake, S., Berlin, Ger. Dredging-vessel .. .. .	22686	10 April ..	51	13 June.
Lamb, A. J., Christchurch, N.Z. Tramway-track cleaner .. .. .	22685	13 April ..	44	16 May.*
Lamb and Todd, Limited, Wellington, N.Z. Displaying and storing lace-curtains. (T. H. White)	23041	25 June ..	65	25 July.*
Lampen, F. H., Wellington, N.Z. Signalling-flag .. .. .	22558	19 March ..	41	2 May.*
Lane, C. J., and another, Holly, U.S.A. (See L. T. Chambers and W. E. Thompson, No. 22911.)				
Langford, W. A., Tyseley, Eng. Water-closet seat .. .. .	22699	17 April ..	44	16 May.*
Lash, H. W., Cleveland, U.S.A. Process of reducing iron oxides ..	22886	25 May ..	62	11 July.
Lawrence, W. H., and another, Glasgow, Scotland. Suction milking-machine	22985	10 June ..	..	..
Lawton, A., Vogeltown, N.Z. Scaffolding bracket and hook .. .. .	23033	24 June ..	62	11 July.*
Le Blanc, A., Carlton, Vic. Rabbit-destroyer .. .. .	22265	3 Jan. ..	41	2 May.*
Lee, S. C., and others, London, Eng. Counting and registering apparatus for turnstiles	22868	17 Jan., 1907†	65	25 July.*
Lees, H. R., Daylesford, Vic. Potato, &c., grading machine .. .. .	22941	4 June ..	56	27 June.*
Lehmann, M. D., and another, London, Eng. Carburetter for internal-combustion engine	22656	10 April ..	44	16 May.
Le Roy, E., Devonport, N.Z. Horse-cover .. .. .	21504	23 July, 1906	51	13 June.*
Le Roy, E., Devonport, N.Z. Horse-cover .. .. .	21505	23 July, 1906	56	27 June.
Leverett, W. E., and another, Christchurch, N.Z. Acetylene-gas generator	22717	20 April ..	44	16 May.*
Levinge, H. M., Okato, N.Z. Altazimuth instrument .. .. .	22904	28 May ..	62	11 July.
Lewes, C., Oaonui, N.Z. Hammer-head .. .. .	22998	17 June ..	62	11 July.*
Liernur, J. F., and another, London, Eng. System of sewerage ..	23023	22 June ..	..	..
Liernur, W. P., and another, London, Eng. System of sewerage ..	23023	22 June ..	..	..
Lindsay, A., and another, Hobsonville, N.Z. Parlour game .. .. .	23059	24 June ..	..	..
Link, J. S., and another, Melbourne, Vic. Time-recording register ..	23024	22 June ..	..	..
Linotype and Machinery, Limited, London, Eng. Printing-machine. (T. R. G. Parker)	22569	20 March ..	41	2 May.
Ljunstrom, B., and another, Stockholm, Sweden. (See Aktiebolaget Separator, No. 22514.)				
Ljunstrom, F., and another, Stockholm, Sweden. (See Aktiebolaget Separator, No. 22514.)				
Lock, J., and another, Auckland, N.Z. Brush or broom making machine	22711	19 April ..	44	16 May.*
Locking, B., Napier, N.Z. Gas-generator .. .. .	23004	18 June ..	..	..
Lovatt, H. P., Todmorden, Eng. Composition for preventing flies striking turnips, &c.	22975	12 June ..	..	..
Lovegrove, H. W., Timaru, N.Z. Motor-cycle belt .. .. .	22712	17 April ..	44	16 May.*
Lowe, R., Brunswick, Vic. Rotary or revolving action maze .. .. .	22638	4 April ..	44	16 May.*
Lucas, C., Wellington, N.Z. Hanger for scaffolding-bracket .. .. .	21216	28 May, 1906	33	4 April.
Lucas, C., Wellington, N.Z. Hanger for scaffolding-bracket .. .. .	21261	6 June, 1906	36	18 April.
Luckett, W. S., and others. (See International Cigar Machinery Company, No. 22629.)				
Lumsden, G. D., Christchurch, N.Z. Steamer for cooking utensil ..	22600	26 March ..	44	16 May.*
Lungley, C. F., and another, Melbourne, Vic. Treatment of hides, leather, &c.	22827	15 May ..	56	27 June.*
Luttrell, A. E., Balmain, N.S.W. Rotary pump .. .. .	21159	17 May, 1906	51	13 June.
Lynn, J. P., Kalgoorlie, W.A. Electro-magnetic stamp-battery ..	22883	25 May ..	62	11 July.
Maardt, J. G., Copenhagen, Denmark. Manufacture of beer-wort in dry state	22958	5 June ..	65	25 July.
Macalister, J., Invercargill, N.Z. Seed-sower .. .. .	20997	9 April, 1906	44	16 May.
Macalister, J., Invercargill, N.Z. Front-lifting gear for ploughs ..	22745	26 April ..	44	16 May.*
Macdonald, J., Croydon, N.Z. Oil-engine .. .. .	22910	29 May ..	56	27 June.*
MacEwan and Co., Limited, J. B., Wellington, N.Z. Cream-vat, cold-water tank, and cool-chamber. (T. Humble)	22914	29 May ..	..	..



ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Mackay, H., Martinborough, N.Z. Bicycle-chain guard .. ..	22561	20 March ..	41	2 May.*
Macky, J. J., Auckland, N.Z. Bottle .. ..	22812	8 May ..	..	..
Madder, W., Kaikoura, N.Z. Voting apparatus .. ..	21213	28 May, 1906..	48	30 May.
Madeley, O. T., Corindhap, Vic. Ho-se-controller .. ..	22807	11 May ..	51	13 June.*
Madeley, O. T., Corindhap, Vic. Mail-bag fastener .. ..	22808	11 May ..	51	13 June.*
Magnus, P., Northcote, Vic. Cycle-pedal toe-clip .. ..	22726	24 April ..	48	30 May.*
Mahoney, B. G., and another, Dunedin, N.Z. Tire-inflation .. ..	22574	20 March ..	41	2 May.*
Malden, A., and another, St. Margarets, Eng. Process of consolidating finely divided ore materials	22974	12 June ..	..	..
Malden, W. J., and another, Surbiton, Eng. Process of consolidating finely divided ore materials	22974	12 June ..	..	..
Manufacturers' Machine Company, Montclair, U.S.A. Sole-rounding machine. (J. J. Heys)	22927	31 May ..	..	..
Manvers, A., and another, Sydney, N.S.W. Apparatus for creating and maintaining a vacuum	22781	4 May ..	65	25 July.
Marino, Q., and another, London, Eng. Agglutinant for consolidating the active material for electric accumulators	22932	28 May ..	62	11 July.
Marino, Q., and another, London, Eng. Construction of electric accumulators	22959	5 June ..	65	25 July.
Martin, R. A., Hastings, N.Z. Clothes-drying apparatus .. ..	22820	14 May ..	56	27 June.*
Martin, S., Dunedin, N.Z. Fire-lighter .. ..	22790	7 May ..	56	27 June.*
Martin, W. D., and another, Ashfield, N.S.W. Water-heater and circulator	20891	21 Mar., 1906..	33	4 April.
Martin, W. D., and another, Ashfield, N.S.W. Apparatus to indicate when certain parts of machinery are worn down	22743	24 April ..	56	27 June.
Martin, W. E., Stamford, Eng. Side-delivery rake, swath-turner, &c.	22973	1 Oct., 1906†	65	25 July..
Masefield, T. T., and another, Auckland, N.Z. Flax-dressing machine	22714	17 April ..	44	16 May.*
Massey, J. B., Auckland, N.Z. Former for ferro-concrete construction	23035	24 June ..	65	25 July.*
Massey-Harris Company, Limited, Toronto, Canada. Conveyor for harvester binder. (C. McLeod and R. H. Verity)	22923	30 May ..	62	11 July.
Masson, J. R., Wandong, Vic. Wet process for recovery of antimony from ores, &c.	23074	29 June ..	65	25 July.*
Matthews. (See Freeman-Matthews.)				
Maud, W., Lower Hutt, N.Z. Draught, rain, and dust excluder ..	22913	29 May ..	51	13 June.*
Maunsell, G. A., Remuera, N.Z. Smoke-preventing mixture .. ..	22935	1 June ..	..	..
Mawson-Stewart. (See Stewart.)				
Maxwell, F. H., Kerang, Vic. Crushing-battery .. ..	21675	22 Aug., 1906	56	27 June.
Mayo, B. F., Salem, U.S.A. (See United Shoe Machinery Company, No. 22764.)				
McArdle, P., and others, Wellington, N.Z. Brake for electric cars ..	22780	7 May ..	44	16 May.*
McArthur, D. C., Belfast, N.Z. Gate-fastener .. ..	21395	3 July, 1906..	44	16 May.
McBride, T. J., Christchurch, N.Z. Resilient wheel for vehicles .. ..	22947	5 June ..	65	25 July.
McCarty, F. J., San Francisco, U.S.A. (See E. N. Waters, No. 22824.)				
McCarty Wireless Telephone Company, Oakland, U.S.A. (See E. N. Waters, No. 22824.)				
McDonald, F. J., Sydney, N.S.W. Press for compressing material into bales	22644	3 April ..	41	2 May.*
McDougall, E. G., Wanganui, N.Z. Machine for dividing and wrapping blocks of butter	22639	4 April ..	41	2 May.*
McEvoy, J., and others, Sydney, N.S.W. Boot for diggers .. ..	22469	25 Feb. ..	44	16 May.
McEvoy, J. H., and others, Sydney, N.S.W. Boot for diggers .. ..	22469	25 Feb. ..	44	16 May.
McEvoy, R., and others, Sydney, N.S.W. Boot for diggers .. ..	22469	25 Feb. ..	44	16 May.
McFeely, R. F., Beverly, U.S.A. (See United Shoe Machinery Company, No. 22663.)				
McGinn, P. J., Salisbury, South Africa. Vehicle spring .. ..	22516	6 March ..	41	2 May.
McIntosh, F. G., Upper Fern Tree Gully, Vic. Apparatus for decanting jam. (F. G. McIntosh and H. V. Hampton).	22697	17 April ..	48	30 May.
McKeegan, W., Wellington, N.Z. (See J. G. Hudson, No. 22710.)				
McKenzie, D., Auckland, N.Z. Easy-chair .. ..	20905	11 April, 1906	41	2 May.
McKenzie, D., Auckland, N.Z. Wire mattress and bed-rest .. ..	22618	25 March ..	48	30 May.
McKenzie, D., Invercargill, N.Z. Flax-stripper .. ..	22794	4 May ..	62	11 July.
McKenzie, D., Auckland, N.Z. Combination ottoman, bed, and couch	22828	16 May ..	62	11 July.
McKinlay, H., Broken River, N.Z. Sewing-machine needle .. ..	22641	6 April ..	..	..
McLaren, F. J., and another, Fremantle, W.A. Safety guard for razors	22938	4 June ..	56	27 June.*
McLaurin, J. D., Pohangina, N.Z. Heat-tester for bales of wool ..	21420	10 July, 1906..	44	16 May.
McLean, D. W., Methven, N.Z. Tire .. ..	22563	20 March ..	41	2 May.*
McLennan, T. C., Dunedin, N.Z. Lock-fastening .. ..	22852	16 May ..	51	13 June.*
McLeod, A., and another, Auckland, N.Z. Flax-dressing machine ..	22714	17 April ..	44	16 May.*
McLeod, A., and another, Auckland, N.Z. Method of procuring kauri-gum from swamps	22829	13 May ..	51	13 June.*
McLeod, C., and another, Toronto, Canada. (See Massey-Harris Company, Limited, No. 22923.)				
McLeod, F., and others, Wellington, N.Z. Brake for electric cars ..	22780	7 May ..	56	27 June.*
McLeod, F., and another, Auckland, N.Z. Method of procuring kauri-gum from swamps	22829	13 May ..	51	13 June.*
McNab, N. S., and another, Caulfield, Vic. Time-recording register..	23024	22 June ..	..	..
Medhurst, F. H., and others, Johannesburg, Transvaal. Transporting apparatus for mines	22949	5 June ..	65	25 July.
Meech, E., Wellington, N.Z. Holder for driving-reins] .. ..	22819	14 May ..	..	..
Meredith, G. S., Launceston, Tas. (See W. E. Hughes, No. 22191.)				
Meyer, R., and others, Johannesburg, Transvaal. Transporting apparatus for mines	22949	5 June ..	65	25 July.

## ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Miller, W. B., Tokonui, N.Z. Steam turbine or rotary engine ..	22777	6 May	56	27 June.*
Mills, E. C. E., and others, Wellington, N.Z. Coin-freed stamp, &c., vending-machine. (R. J. Dickie and J. H. Brown)	22746	29 April	56	27 June.
Mitchell, T., Wellington, N.Z. Ship's hull ..	21543	31 July, 1906	56	27 June.
Mitchell, T., Southbridge, N.Z. Window-frame ..	22837	16 May	..	..
Moin, E., and another, Sydney, N.S.W. Gas-lamp lighter and extinguisher	22731	9 Jan.†	..	..
Moloney, M., Christchurch, N.Z. Telephone-transmitter ..	22896	25 May	51	13 June.*
Monahan, A. G., Timaru, N.Z. Tailboard for tip-carts ..	22680	12 April	44	16 May.*
Mono Service Vessels, Limited, London, Eng. Paper vessel for delivery of milk, &c. (E. Z. Taylor.)	22810	11 May	56	27 June.
Moore, M., and another, Melbourne, Vic. Reducing iron-ore ..	22835	16 May	51	13 June.*
Morkill, N. A., and others, London, Eng. Counting and registering apparatus for turnstiles	22868	17 Jan.	65	25 July.*
Morris, A., Dunedin, N.Z. Waterproof dubbing ..	21914	12 Oct., 1906	33	4 April.
Morris, G. C. W., Auckland, N.Z. Water-jacketed flue for stoves, &c.	22961	6 June	..	..
Morris, L., and another, Dunedin, N.Z. Measuring wearers for garments	22858	18 May	..	..
Morrison, W., Waverley, N.S.W. Rubber heel ..	22039	8 Nov.	44	16 May.*
Morton, W., Dunedin, N.Z. Water-wheel for current-power ..	22901	25 May	56	27 June.*
Moss, A. E., Dunedin, N.Z. Electric shop-alarm mat ..	22492	25 Feb.	41	2 May.*
Mote, H., Balmain, N.S.W. Extension-ladder ..	22657	10 April	44	16 May.
Mounsey, W. H., North Norwood, South Australia. Linotype-matrix cleaner	22786	8 May	65	25 July.
Mounsey, W. H., North Norwood, South Australia. Linotype knife-block and knife	22787	8 May	65	25 July.
Muloahy, D., Fremantle, W.A. Sash-fastener. (L. Pearce)	22937	4 June	..	..
Munro, A. H., and another, Auckland, N.Z. Seed-sower ..	22793	9 May	56	27 June.
Munt, F. W., Wellington, N.Z. Stamp-affixing machine ..	22908	29 May	51	13 June.*
Murdoch, J., Wellington, N.Z. Toilet-cabinet ..	22559	19 March	41	2 May.*
Murphy, H. B., Doreen, Vic. Degumming and cleaning flax, &c. ..	22727	24 April	..	..
Murray, E. N., Sydney, N.S.W. Combination shirt and tunic ..	22823	15 May	..	..
Murray, R., Balclutha, N.Z. Water-tap ..	22863	21 May	62	11 July.*
Murray, R. L. H., Auckland, N.Z. Acetylene-lamp generator ..	22411	6 Feb., 1907	48	30 May.
Napier, W. J., and others, Auckland, N.Z. Coin-freed stamp, &c., vending-machine. (R. J. Dickie and J. H. Brown)	22746	29 April	56	27 June.
Nerén, J., and another, Orebro, Sweden. Balance for sashes	22875	22 May	65	25 July.
Neven. (See De Neven.)				
Newman, C., and another, Ballarat, Vic. Recovery of gold from ores	22988	13 June	62	11 July.*
Newman, G., Thames, N.Z. Target for rifle range ..	22523	7 March	41	2 May.*
Nicholls, B. S., and another, Auckland, N.Z. Starting device for gas-engine	22708	18 April	44	16 May.*
Nicholls, J. H., and another, Auckland, N.Z. Starting device for gas-engine	22708	18 April	44	16 May.*
Nisbet, W. H., Sydney, N.S.W. Railway, &c., brake ..	22698	17 April	48	30 May.
Nobbs, J., and another, Granville, N.S.W. Bridge back-plate for furnace	22416	12 Feb.	48	30 May.
Noonan, G. E., and others, Christchurch, N.Z. Attaching weights to trotting-horses' hoofs	22836	16 May	65	25 July.
Noonan, J. H., Auckland, N.Z. Explosive motor ..	22997	13 June	..	..*
Normoyle, T., and another, Hobart, Tas. Finger-ring ..	22113	26 Nov., 1906	51	13 June.
O'Brien, C. H., Brisbane, Queensland. Purifying washed acetylene-gas	22751	26 April	62	11 July.
O'Brien, C. H., Brisbane, Queensland. Purifier for acetylene-gas ..	22752	26 April	62	11 July.
O'Brien, C. H., Brisbane, Queensland. Water-feed for acetylene-generator	22753	26 April	62	11 July.
O'Connell, J., South Yarra, Vic. Teat-cup ..	22759	1 May	48	30 May.*
O'Hara, J., and another, Papatoitōi, N.Z. Adjustable fastening ..	21414	4 July, 1906	48	30 May.
O'Hara, J., and another, Papatoitōi, N.Z. Metal-fastening ..	21238	28 May, 1906	33	4 April.
O'Hara, W. J., and another, Papatoitōi, N.Z. Metal-fastening ..	21238	28 May, 1906	33	4 April.
O'Hara, W. J., and another, Papatoitōi, N.Z. Adjustable fastening	21414	4 July, 1906	48	30 May.
O'Keefe, H., and another, Melbourne, Vic. Foul-air extractor ..	22761	1 May	..	..
O'Keefe, J. K., and another, Melbourne, Vic. Foul-air extractor ..	22761	1 May	..	..
Old, E., Dingle, Vic. Clamping device for agricultural implement ..	21921	17 Oct., 1906	36	18 April.
Olsen, N., West Plains, N.Z. Opening and shutting gates ..	22603	27 March	48	30 May.
Omond, A. W., and another, Bendigo, Vic. Siphon device ..	22158	5 Dec., 1906	56	27 June.
Ormiston, H. O., and another, Kogarah, N.S.W. Apparatus to indicate when certain parts of machinery are worn down	22743	24 April	56	27 June.
Overall, J., and another, Balmain, N.S.W. Earth and rock drill ..	22733	24 April	48	30 May.*
Owen, H., Kilbirnie, N.Z. Trolley-pole retriever ..	22977	12 June	..	..
Owen, H., Kilbirnie, N.Z. Trolley-pole retriever ..	23016	20 June	62	11 July.*
Owens, P. J., San Francisco, U.S.A. Hydro-carbon burner ..	21774	12 Sept., 1906	56	27 June.
Oxley, H. H., and another, Wellington, N.Z. Tip for the ends of chair, &c., legs	22627	2 April	56	27 June.*
Page, T., Wellington, N.Z. Manufacture of carbureted air for lighting, heating, &c.	22678	12 April	44	16 May.
Page, W. C., and another, Wellington, N.Z. Concrete structure ..	22556	19 March	41	2 May.*
Palmer, A. W. C., and another, Wellington, N.Z. Bracket or clip for supporting brooms, &c.	22999	17 June	..	..
Parker, T., London, Eng. Fuel ..	22945	4 June	62	11 July.*

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Parker, T., London, Eng. Fuel .. .. .	23027	22 June, 1906†	..	..
Parker, T. R. G., Broadheath, Eng. (See Linotype and Machinery, Limited, No. 22569.)				
Parker, W. J., Wandin South, Vic. Corset attachment .. .. .	22798	10 May ..	56	27 June.
Parrish, G., Chertsey, N.Z. Telegraph and telephone wire insulator ..	22903	28 May ..	56	27 June.*
Paterson, F. W., Dunedin, N.Z. Rotary oil-engine .. .. .	23064	26 June ..	65	25 July.*
Paterson, J. A., Wellington, N.Z. Incandescent oil-gas .. .. .	21432	12 July, 1906	48	30 May.
Payne, F. W., Dunedin N.Z. Hydraulic ram .. .. .	22649	5 April ..	62	11 July.
Peacock, W. M. H. M., Christchurch, N.Z. Internal-combustion engine	22934	1 June ..	56	27 June.*
Pearce, L., Fremantle, W.A. (See D. Mulcahy, No. 22937.)				
Pearce, W. W., Wellington, N.Z. Travelling trunk .. .. .	22861	21 May ..	51	13 June.*
Pearson, J. C. C., Auckland, N.Z. Sleeper .. .. .	22933	1 June ..	56	27 June.*
Pearson, J. C. C., and another, Auckland, N.Z. Concrete .. .. .	22979	13 June ..	..	..
Pearson, J. C. C., Auckland, N.Z. Attaching rails to sleepers ..	22995	15 June ..	62	11 July.*
Perini. (See De Perini.)				
Perry, F. H., Beverly, U.S.A. (See United Shoe Machinery Company, No. 22661.)				
Petersen, F. R., Mauriceville, N.Z. Door-lock .. .. .	22748	29 April ..	48	30 May.*
Peterson, J., and another, Invercargill, N.Z. Cream-cooler .. .. .	22615	26 March ..	44	16 May.*
Petersson, A., Alby, Sweden. Charging electric furnace for producing carbide	22918	30 May ..	62	11 July.
Petersson, A., Alby, Sweden. Producing carbide from lime and carbon	22919	30 May ..	62	11 July.
Pettitt, J., Geelong, Vic. Field-gate. (O. A. E. Sturmhoebel) ..	22161	5 Dec., 1906	33	4 April.
Phelan, M. D., Boston, U.S.A. Heel-seat rough-rounding machine for boots and shoes	22926	1 June, 1906†	..	..
Phillips, H., and another, Sydney, N.S.W. Apparatus for creating and maintaining a vacuum	22781	4 May ..	65	25 July.
Pickford, A., and another, Mildura, Vic. Bacterial filter applicable to closets and urinals	22791	7 May ..	56	27 June.*
Pierce, R., Bell Block, N.Z. Wire-strainer .. .. .	22779	6 May ..	51	13 June.
Pierce, R., and another, Bell Block, N.Z. Windmill .. .. .	23052	26 June ..	65	25 July.*
Pintsch, J., Berlin, Germany. (See Pintsch's Patent Lighting Company, Limited, No. 23021.)				
Pintsch's Patent Lighting Company, Limited, London, Eng. Inverted incandescence gas-lamp. (J. Pintsch)	23021	18 June ..	..	..
Poljakoff-Kowtunoff, T., Tjora, Russia. Vehicle with automatic movement of rails	22729	24 April ..	51	13 June.
Poljakoff-Kowtunoff, T., Tjora, Russia. Excavator .. .. .	22925	31 May ..	62	11 July.
Porter, J. M., and another, Balmain, N.S.W. Earth and rock drill ..	22733	24 April ..	48	30 May.*
Potts, W. E., Gore, N.Z. Dredge attachment .. .. .	22302	8 Jan. ..	41	2 May. †
Preston, J. C., Sydney, N.S.W. Elastic-fluid motor .. .. .	22373	31 Jan. ..	41	2 May.
Preston, J. C., Sydney, N.S.W. Sheep-shears .. .. .	22374	31 Jan. ..	41	2 May.
Printing Machinery Company, London, Eng. (See W. E. Hughes, No. 22567.)				
Prollius, B. A. O., Copenhagen, Denmark. Distance-piece for centrifugal machine	22589	20 March ..	41	2 May.
Quertier, H., Dunedin, N.Z. Suction road-cleaner .. .. .	22675	11 April ..	44	16 May.*
Rabidge, P., Neutral Bay, N.S.W. Moist electrolyte for primary and secondary battery	22842	14 May ..	62	11 July.
Railway Supplies, Limited, Toronto, Canada. (See E. N. Waters, No. 22485.)				
Ransom, T. P., and another, Wanganui, N.Z. Device to prevent corks blowing out of bottles	23039	22 June ..	..	..*
Rasmussen, J. F., and another, Westport, N.Z. Time-stamping telegrams, letters, &c.	22978	10 June ..	65	25 July.*
Rasmussen, J. F. G., and another, Westport, N.Z. Time-stamping tel grams, letter, &c.	22978	10 June ..	65	25 July.*
Raven, F., Korumburra, Vic. Milking-machine .. .. .	22351	24 Jan. ..	56	27 June.
Raven, V. L., Darlington, Eng. Railway-signalling apparatus ..	22755	4 May, 1906†	51	13 June.
Raven, V. L., Darlington, Eng. Railway-signalling apparatus ..	22783	19 June, 1906†	51	13 June.
Raven, V. L., Darlington, Eng. Railway-signalling apparatus ..	22784	19 June, 1906†	51	13 June.
Rayson, R., Windsor, Vic. Air-cooler .. .. .	21371	28 June, 1906	41	2 May.
Rayward, H. H., and another, Wellington, N.Z. Rifle-sight. (The Sutherland Rifle Sight Company, Limited—M. E. Sutherland)	22625	2 April ..	49	30 May.
Reed, W. A., Chelsea, U.S.A. (See United Shoe Machinery Company, No. 23060.)				
Rees, E. S. G., Wolverhampton, Eng. Rotary pump .. .. .	22588	19 March ..	41	2 May.
Reichel, L. T., Wellington, N.Z. Moisture-indicator for baled goods ..	22444	20 Feb. ..	36	18 April.
Reid, A. G., and others, Wellington, N.Z. Rat-stop for drains .. ..	22897	25 May ..	56	27 June.*
Reid, H. N., Toorak, Vic. Ice floor for skating .. .. .	21607	9 Aug., 1906	56	27 June.
Reid, P. E., and others, Wellington, N.Z. Rat-stop for drains .. ..	22897	25 May ..	56	27 June.*
Rekar, J. J., San Francisco, U.S.A. Hammer and drill operating device	22763	2 May ..	51	13 June.
Restell, R. B., and another, Hamilton, N.Z. Pan and dish holder ..	23058	24 June ..	..	..
Reynolds, J., Hokitika, N.Z. Saw-set .. .. .	20895	22 March, 1906	33	4 April.
Reynolds, T., and another, Wellington, N.Z. Flax-treating machinery	22732	24 April ..	44	16 May.*
Rhedin Goldkuhl and Co., and another, Gothenburg, Sweden. Balance for sashes	22875	22 May ..	65	25 July. ...
Richard, M., and another, Glasgow, Scotland. Machine for handing up or rolling dough	22672	9 April ..	51	13 June.

## ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Richardson, W. G., and another, Auckland, N.Z. Drying New Zealand hemp	22881	22 May ..	51	13 June.*
Richardson, W. G., Auckland, N.Z. Preparing flax-waste as a cattle food	22907	25 May ..	51	13 June.*
Richmond, R. R., and another, Wellington, N.Z. Brick .. ..	22608	28 March ..	44	16 May.*
Ringland, J., Dunedin, N.Z. Well fire-grate .. ..	22994	15 June ..	62	11 July.*
Risberg, J. V. M., Sodertelje, Sweden. (See Aktiebolaget Baltic Separator, No. 22737.)				
Roberts. (See Cramer-Roberts.)				
Roberts, F., Auckland, N.Z. Oil-feeder .. ..	22846	17 May ..	56	27 June.*
Robertson, D. M., Christchurch, N.Z. Totalisator .. ..	23003	18 June ..	62	11 July.*
Robertson, J. F., Auckland, N.Z. Tea-caddy .. ..	23014	20 June ..	65	25 July.*
Robinson, G., Eltham, N.Z. Horse-shoe .. ..	22848	17 May ..	56	27 June.*
Robson, G., Sydney, N.S.W. Gas lighter and extinguisher .. ..	20993	12 April, 1906	36	18 April.
Robson, T., Wellington, N.Z. Carpenter's bench-stop .. ..	22912	29 May ..	62	11 July.*
Rochfort, H., Auckland, N.Z. Filtering suction-hose .. ..	22598	23 March ..	44	16 May.
Rodger, A., and another, Shepparton, Vic. Computing amount of butter-fat in milk or cream	22870	22 May ..	51	13 June.*
Rogers, A. H., Wanganui, N.Z. Cooling beer .. ..	22380	29 Jan. ..	51	13 June.*
Rolfe, T. A., Petersham, N.S.W. Thermo-mercury switch for electric circuits	22750	26 April ..	48	30 May.*
Roseman, S. G., and another, Auckland, N.Z. Brush or broom making machine.	22711	19 April ..	44	16 May.*
Ross, G. D., Glasgow, Scotland. Motor-vehicle wheel .. ..	22671	9 April ..	51	13 June.
Rowland, A. J., Wellington, N.Z. Motor-tire .. ..	22601	26 March ..	44	16 May.*
Roy. (See Le Roy.)				
Russell, C. L., Melbourne, Vic. Collecting and removing dust from floors	22946	1 June ..	..	..
Russell, F., Lismore, N.S.W. Field-gate .. ..	22874	22 May ..	..	..
Russell, G., and others, Fendalton, N.Z. Card-game .. ..	22718	20 April ..	48	30 May.*
Russell, L., Dunedin, N.Z. Dress-cutting chart .. ..	21190	22 May, 1906	44	16 May.
Sakauchi, T., Tokio, Japan. Manufacturing Portland cement .. ..	22989	14 June ..	..	..
Salmon, J. B., and another, Dunedin, N.Z. Tire-protector .. ..	22885	25 May ..	65	25 July.
Salmon, J. J., and another, Dunedin, N.Z. Tire-protector .. ..	22885	25 May ..	65	25 July.
Scott, M. H., and another, Auckland, N.Z. Drying New Zealand hemp	22881	22 May ..	51	13 June.*
Scott, W., and another, Glasgow, Scotland. Handing up or rolling dough	22672	9 April ..	51	13 June.
Scott, W., and another, Gore, N.Z. Back-peddalling cycle-brake .. ..	22723	22 April ..	41	2 May.*
Springleour, N., and another, Christchurch, N.Z. Construction of hurdle for horse-jumping	23051	26 June ..	65	25 July.*
Seward, E. C., and another, Guildford, U.S.A. (See E. N. Waters, No. 22485.)				
Shanks, P. J., and another, Gore, N.Z. Back-peddalling cycle-brake ..	22723	22 April ..	41	2 May.*
Sharpe, J., Glebe, N.S.W. Bottle for liquid under pressure .. ..	22619	27 March ..	41	2 May.*
Shaw, E., Birmingham, Eng. Tailors' hair-cloth .. ..	22736	13 June, 1906†	51	13 June.
Short, E. L., and another, Mildura, Vic. Bacterial filter applicable to closets and urinals	22791	7 May ..	56	27 June.*
Sim, W., Underwood, N.Z. Milking machinery .. ..	22892	20 May ..	51	13 June.*
Simeon, L., Gisborne, N.Z. Bodkin .. ..	22986	12 June ..	..	..
Skeates, T. S., Auckland, N.Z. Tire-protector .. ..	22682	12 April ..	44	16 May.
Slee, E. S., and another, N. Carlton, Vic. Road-sweeper, &c. .. ..	22612	28 March ..	44	16 May.*
Small, W. T., Springfield, N.Z. Obtaining power from rivers .. ..	22776	6 May ..	..	..
Smith, A., and another, Sydney, N.S.W. Gas-light burner .. ..	22802	10 May ..	48	30 May.*
Smith, A. W., Christchurch, N.Z. Tire .. ..	22856	20 May ..	65	25 July.*
Smith, E. H., Otawhao, N.Z. Garment-stretcher .. ..	22898	25 May ..	56	27 June.*
Smith, F. W., Dannevirke, N.Z. Teat-cup of milking-machine .. ..	22695	16 April ..	41	2 May.*
Smith, G. E., Christchurch, N.Z. Rubber overshoe .. ..	22902	28 May ..	56	27 June.*
Smith, M. G., Christchurch, N.Z. Pedal-strap for bicycles .. ..	23040	24 June ..	..	..*
Smith, W. A., Portsmouth, U.S.A. (See United Shoe Machinery Company, No. 21233.)				
Smulders, J. J. F. M., Rotterdam, Holland. Lighter .. ..	22610	28 March ..	44	16 May.
Smulders, J. J. F. M., Rotterdam, Holland. Continuous conveyor for coal, &c.	22611	28 March ..	44	16 May.
Societa di Esportazione Polenghi-Lombardo, and another, Codogno, Italy. Treatment of skimmed milk, &c.	22471	28 Feb. ..	41	2 May.
Sollitt, R. H., Palmerston North, N.Z. Floor-cramp .. ..	22135	29 Nov., 1906	51	13 June.
Soncini, E., and others, Milan, Italy. Treatment of skimmed milk ..	22471	28 Feb. ..	41	2 May.*
Spooner, G. E., Tauranga, N.Z. Vehicle-shaft coupling .. ..	22859	21 May ..	56	27 June.*
Steele, J. A., Tamaheri, N.Z. Apron of harvester binder .. ..	21702	28 Aug., 1906	62	11 July.
Steele, L. J., and another, Auckland, N.Z. Concrete .. ..	22979	13 June ..	..	..
Stephens, B. G. C., and another, Dunedin, N.Z. Tire-inflation .. ..	22574	20 March ..	41	2 May.*
Stevenson, G. S., Dunedin, N.Z. Safety lock for firearms .. ..	23005	15 June ..	62	11 July.*
Stewart, D. A., Roslyn, N.Z. Cup and saucer .. ..	22795	8 May ..	56	27 June.*
Stewart, D. O., Wanganui, N.Z. Applying pressure to liquids .. ..	22674	11 April ..	44	16 May.*
Stewart, E. A., Mount Albert, N.Z. Pumping compressed air into reservoirs for operating air-brakes	22693	13 April ..	44	16 May.*
Stewart, J. M., Christchurch, N.Z. Cash-book .. ..	22792	9 May ..	48	30 May.*
Stewart, T., Waihi, N.Z. Means for cleaning ships' hulls .. ..	22550	15 March ..	41	2 May.*
Stoot, R. M. H., and another, Ballarat, Vic. Recovery of gold from ores	22988	13 June ..	62	11 July.*
Storrie, A., Invercargill, N.Z. Milking-can .. ..	22581	22 March ..	41	2 May.*
Storrie, A., Invercargill, N.Z. Teat-cup .. ..	22964	7 June ..	..	..

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Storrie, A., Invercargill, N.Z. Seed-sower .. .. .	23030	19 June ..	..	..
Strickland, A. E., N. Brighton, [Vic. (See J. Toutcher and C. J. Hicks, No. 22730.)				
Sturmhoebel, O. E. A., Geelong, Vic. (See J. Pettitt, No. 22161.)				
Sullivan, D., and another, Wellington, N.Z. Emergency brake for [?] vehicles	22816	14 May ..	51	13 June.*
Sulman, H. L., London, Eng. Separation of zinc from ores ..	22800	10 May ..	51	13 June
Sutcliffe, J., Burnley, Eng. Forced-draught apparatus ..	21357	26 June, 1906	41	2 May.
Sutherland, M. E., Westville, Canada. (See E. S. Baldwin and H. H. Rayward, No. 22625.)				
Sutherland, T., Rangiora, N.Z. Honey-packing .. .. .	21795	17 Sept., 1906	51	13 June.
Sutherland Rifle Sight Company, Limited, The, Westville, Canada. (See E. S. Baldwin and H. H. Rayward, No. 22625.)				
Sutton, T., Rongotea, N.Z. Collapsible cheese-crate .. ..	22772	4 May ..	51	13 June.
Sylvester, R., Lindsay, Canada. Agricultural machine .. ..	22673	11 April ..	48	30 May.
Symes, F., and another, Wanganui, N.Z. Clothes-washer .. ..	22762	29 April ..	51	13 June.*
Tait, A. L. J., Dunedin, N.Z. Hanging and fastening window-sashes	23062	25 June ..	..	..*
Tait, T., Waiwera South, N.Z. Wire-fence dropper .. .. .	22640	5 April ..	..	..
Tandy, C., Wellington, N.Z. Boot-protector or sole-stud .. ..	22968	11 June ..	65	25 July.*
Tatham, J. E., and another, Sydney, N.S.W. Gas-light burner ..	22802	10 May ..	48	30 May.*
Tattersall, W., Launceston, Tas. Hames .. .. .	21965	25 Oct., 1906	51	13 June.
Taylor, E. Z., London, Eng. (See Mono Service Vessels, Limited, No. 22810.)				
Taylor, W. R., Rakaia, N.Z. Sheep-feed box .. .. .	22631	3 April ..	44	16 <sup>th</sup> May.*
Tecofsky, A., and another, Pahia, N.Z. Stump-extractor .. ..	22894	23 May ..	56	27 June.*
Teese, W. J., Balaclava, Vic. Milking apparatus .. .. .	22086	21 Nov., 1906	48	30 May.
Teese, W. J., Balaclava, Vic. (See W. H. Blackham, Nos. 22535 and 22536.)				
Teese, W. J., Balaclava, Vic. (See W. H. Blackham, No. 22700.)				
Teese, W. J., Balaclava, Vic. (See W. H. Blackham, No. 23034.)				
Thermos, Limited, London, Eng. Double-walled vessel with space for vacuum between the walls. (R. Burger)	23022	22 June ..	..	..
Thompson, F. C., Christchurch, N.Z. Bracket for fixing blinds to window-sashes	22646	5 April ..	41	2 May.*
Thompson, F. C., Christchurch, N.Z. Operating venetian-blinds ..	22814	13 May ..	62	11 July.
Thompson, H., Christchurch, N.Z. Vehicle wheel .. .. .	22749	29 April ..	51	13 June.*
Thompson, J., Dunedin, N.Z. Blocking the heels of boot-uppers ..	23015	20 June ..	..	..
Thompson, J. L., Wellington, N.Z. Securing blinds to spring rollers	22942	4 June ..	..	..
Thompson, W. E., and another, Melbourne, Vic. Fence-making machine. (C. J. Lane and R. J. Crane)	22911	29 May ..	62	11 July.
Thomson, J., Invercargill, N.Z. Spring tire for vehicle wheels ..	22583	13 March ..	44	16 May.*
Thomson, N. M., and another, Sydney, N.S.W. Water heater and circulator	20891	21 March, 1906	33	4 April.
Thornton, D. G., and another, Wellington, N.Z. Pocket of wearing-apparel	22410	9 Feb. ..	41	2 May.*
Thwaites, A. S., Christchurch, N.Z. Plough-share .. .. .	22679	12 April ..	..	..
Todd, A., Invercargill, N.Z. Seed-sower .. .. .	22547	12 March ..	41	2 May.*
Tomkins, A. G., Westport, N.Z. Belt-fastener .. .. .	22703	16 April ..	48	30 May.*
Tomlinson, W. A., Nelson, N.Z. Tire-inflator .. .. .	22647	3 April ..	..	..
Toms, E., and another, Palmerston North, N.Z. Machine for making sheet-metal, seamed and grooved piping	22650	2 Feb. ..	36	18 April.
Toogood, G., and another, Wellington, N.Z. Trolley-pole retriever ..	22817	14 May ..	51	13 June.*
Toutcher, J., and another, Melbourne, Vic. Lawn spray or sprinkler. (A. E. Strickland)	22730	24 April ..	62	11 July.
Treadwell, A., Wellington, N.Z. Trolley-pole .. .. .	22739	25 April ..	48	30 May.*
Tremayne, P., and another, Brunswick, Vic. Road-sweeper, &c. ..	22612	28 March ..	44	16 May.*
Trudgeon, J. H., and others, Auckland, N.Z. Broadcaster .. ..	20871	14 March, 1906	41	2 May.
Tucker, E. St. G., and another, Wanganui, N.Z. Device to prevent corks blowing out of bottles	23039	22 June ..	..	..*
Turnbull, J., and another, Waikaka, N.Z. Poison-laying machine ..	21570	30 July, 1906	62	11 July.
Turnbull, W., Wellington, N.Z. Chimney-pot. .. .. .	22940	4 June ..	56	27 June.*
Turner, C. K., Nelson, N.Z. Plough .. .. .	21485	21 July, 1906	62	11 July.
Turner, C. K., Nelson, N.Z. Bicycle .. .. .	21486	21 July, 1906	56	27 June.
Turner, C. K., Nelson, N.Z. Swingle-tree coupling .. .. .	21496	23 July, 1906	56	27 June.
Turner, G., Blenheim, N.Z. Tomato-forcing house .. .. .	21681	21 August, 1906	51	13 June.
Turri, G. G., Melbourne, Vic. Procuring textile fibres from certain plants. (Jute and Hanf Industri Actien Gesellschaft.)	22951	6 June ..	..	..
Twiss, H. T., Wellington, N.Z. Street fire-alarm box .. .. .	22677	11 April ..	44	16 May.*
Tyberg, O., and others. (See International Cigar Machinery Company, No. 22629.)				
Tyree, W., Nelson, N.Z. Spray for painting, agricultural, &c., purposes	22766	2 May ..	51	13 June.
Tyree, W., Nelson, N.Z. Concrete building .. .. .	22872	22 May ..	51	13 June.*
Uddstrom, C., Greymouth, N.Z. Driving a locomotive by means of chain gear	22704	15 April ..	48	30 <sup>th</sup> May.*
United Shoe Machinery Company, Paterson, U.S.A. Shoe-upper lacing-machine. (W. A. Smith)	21233	30 May, 1906	41	2 May.
United Shoe Machinery Company, Paterson, U.S.A. Pounding-up machine. (O. Ashton)	21365	28 June, 1906	41	2 May.
United Shoe Machinery Company, Paterson, U.S.A. Machine for assembling parts of boots, &c. (O. Ashton)	21364	28 June, 1906	41	2 May.

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT - *continued.*

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
United Shoe Machinery Company, Paterson, U.S.A. Jack for boot machine. (E. E. Winkley)	21428	11 July, 1906	51	13 June.
United Shoe Machinery Company, Paterson, U.S.A. Cementing-machine. (F. H. Warren)	21514	26 July, 1906	51	13 June.
United Shoe Machinery Company, Paterson, U.S.A. Construction of wire for the manufacture of metallic fasteners. (F. H. Perry)	22661	10 April ..	41	2 May.*
United Shoe Machinery Company, Paterson, U.S.A. Pulling-over machine. (R. F. McFeely)	22663	10 April ..	41	2 May.*
United Shoe Machinery Company, Paterson, U.S.A. Shoe-sewing machine. (B. F. Mayo)	22764	2 May ..	48	30 May.*
United Shoe Machinery Company, Paterson, U.S.A. Sewing-machine lubricator. (J. B. Hadaway)	22765	2 May ..	48	30 May.*
United Shoe Machinery Company, Paterson, U.S.A. Method and apparatus for making shoes. (E. Bayard)	22920	30 May ..	51	13 June.*
United Shoe Machinery Company, Paterson, U.S.A. Abrading device. (W. A. Reed)	23060	27 June ..	65	25 July.*
Usherwood, A. E., and another, Dunedin, N.Z. Valve gear for engines	22645	4 April ..	41	2 May.*
Vaughan, F. A., and others, Wellington, N.Z. Brake for electric cars ..	22780	7 May ..	56	27 June.*
Verity, R. H., and another, Toronto, Canada. (See Massey-Harris Company, Limited, No. 22923)				
Vivian, A. W. H., London, England. Artificial fuel .. ..	21462	14 July, 1906	62	11 July.
Waddell and Sons, Christchurch, N.Z. Water tubular boiler ..	23013	20 June ..	..	..*
Waddington, E. H., Masterton, N.Z. Cinder-sifter .. ..	20873	19 March, 1906	33	4 April.
Wade, G., and another, Auckland, N.Z. Manufacture of bricks ..	22822	14 May ..	..	..
Wakelin, G., Warkworth, N.Z. Generator and gas-holder .. ..	22500	1 March ..	41	2 May.
Wakely, W. W., Featherston, N.Z. Stuffing-box for piston-rods ..	23045	25 June ..	..	..
Walden, J., Matakana, N.Z. Detection of heat in bales of wool ..	22891	25 May ..	51	13 June.*
Walker, R., Dunedin, N.Z. Cream-rake .. ..	22721	19 April ..	44	16 May.*
Wallace, H. E., and another, Windsor, Vic. Attachable resilient heel for boots and shoes	23048	26 June ..	..	..*
Walters, A. A., Melbourne, Vic. Automatic lift-door opener ..	22577	21 March ..	41	2 May.
Ward, C. J., and another, Christchurch, N.Z. Operating tramway-points from moving car	22839	17 May ..	65	25 July.*
Warner, T., and another, Melbourne, Vic. Drawing off fumes or gases from urinals, &c.	23008	19 June ..	62	11 July.*
Warren, F. H., Swampscott, [Eng. (See [United [Shoe Machinery Company, No. 21514.)				
Warren, J. H., and others, Albert Park, Vic. Railway-signalling ..	22624	2 April ..	44	16 May.
Waters, E. N., Melbourne, Vic. Splice or angle bar. (Railway Supplies, Limited—G. H. Williams and E. C. Seward)	22485	28 Feb. ..	41	2 May.
Waters, E. N., Melbourne, Vic. Automatic cable-chain grip. (A. Dixon—(A. S. Fonts)	22564	20 March ..	51	13 June.
Waters, E. N., Melbourne, Vic. Wireless transmission of sonorous vibrations. (McCarty Wireless Telephone Company—F. J. McCarty)	22824	15 May ..	56	27 June.
Watson, A. P. F., and others, Christchurch, N.Z. Attaching weights to trotting-horses' hoofs	22836	16 May ..	65	25 July.
Watson, A. P. F., and another, Christchurch, N.Z. Boot-scraper ..	23018	21 June ..	..	..
Watson, A. P. F., and another, Christchurch, N.Z. Construction of gravel screen or riddle	23019	21 June ..	..	..
Watson, G. D., and others, Christchurch, N.Z. Attaching weights to trotting-horses' hoofs	22836	16 May ..	65	25 July.
Watson, G. D., and another, Christchurch, N.Z. Boot-scraper ..	23018	21 June ..	..	..
Watson, G. D., and another, Christchurch, N.Z. Construction of gravel screen or riddle	23019	21 June ..	..	..
Watson, J. I., Brighton Beach, Vic. Tire-pump for motor-cars ..	22832	16 May ..	51	13 June.*
Watson, W., and another, Wanganui, N.Z. Flax-dressing .. ..	23043	25 June ..	..	..
Watt, H., Melbourne, Vic. Mail-bag fastener .. ..	21368	28 June, 1906	48	30 May.
Watts, E. W., and another, Dunedin, N.Z. Securing wires to posts ..	22716	17 April ..	44	16 May.*
Wearn, J., and another, Invercargill, N.Z. Cream-cooler .. ..	22615	26 March ..	44	16 May.*
Weatherall, H., Roxburgh, N.Z. Water-lifting .. ..	22843	15 May ..	56	27 June.*
Webber, W. O., Boston, U.S.A. Tide-actuated hydraulic air-compressor	23032	24 June ..	..	..
Weir, R., Mount Forest, Canada. Clothes wardrobe .. ..	22687	10 April ..	48	30 May.
Weir, R., Mount Forest, Canada. Clothes wardrobe .. ..	22688	10 April ..	48	30 May.]
Wellwood, D., Boulder, W.A. Preventing deterioration of fermented and aerated liquors	23063	25 June ..	..	..
Wesp, C., Buffalo, U.S.A. (See Chipman, Limited, No. 22809.)				
West, W. P., and another, Shepparton, Vic. Computing amount of butter-fat in milk or cream	22870	22 May ..	51	13 June.*
Westropp, G. W., and another, Ashburton, N.Z. Tire-cover ..	22960	10 June ..	56	27 June.*
Whelan, D. J., Auckland, N.Z. Tip-wagon .. ..	22715	17 April ..	44	16 May.*
Whelan, T. J., Hawthorn, Vic. Rabbit-trap. (H. Lane) .. ..	21474	19 July, 1906..	56	27 June.
White, E. C., and another, Auckland, N.Z. Manufacture of bricks ..	22822	14 May ..	..	..
White, H. E., Christchurch, N.Z. Concrete-mixing machine	22602	27 March ..	44	16 May.*
White, T. H., Wellington, N.Z. (See Lamb and Todd, Limited, No. 23041.)				
White, W., Fitzroy, Vic. Interchangeable heel for boot or shoe ..	23053	26 June ..	..	..*
Whitehorn, T., Coburg, Vic. Machine for weighing tea, flour, &c. ..	21293	13 June, 1906	33	4 April.
Whitehouse, J., Waihi, N.Z. Wire-mattress bed .. ..	22580	21 March ..	44	16 May.
Wieneke, L. G., Roma, Queensland. Horse-race starter .. ..	21297	13 June, 1906	56	27 June.
Wiggins, R. A., Wellington, N.Z. Milking machinery .. ..	23002	18 June ..	62	11 July.*

ALPHABETICAL LIST OF APPLICANTS FOR LETTERS PATENT—continued.

Name, Address, and Invention.	Application.		Gazette.	
	No.	Date.	No.	Date.
Wiggs, L. H. R., Christchurch, N.Z. Composition for closing punctures in tires	22944	4 June ..	62	11 July.*
Wilkenning, H., Clifton Hill, Vic. Belt and conveyor fastening ..	22622	2 April ..	41	2 May.*
Wilkins, W., and another, Balmain, N.S.W. Bridge back-plate for furnace	22416	12 Feb. ..	48	30 May.
Williams, G. H., and another, Kansas City, U.S.A. (See E. N. Waters, No. 22485.)				
Williams, R. B., Winton, N.Z. Umbrella .. .. .	22591	21 March ..	44	16 May.*
Williams, W., and another, Dunedin, N.Z. Adjustable chair ..	22613	28 March ..	44	16 May.
Williams, W. G., and another, Johannesburg, Transvaal. Totalisator apparatus	22909	29 May ..	..	..
Willden, G. S., Dunedin, N.Z. Concrete block .. .. .	22840	14 May ..	56	27 June.*
Wilson, E. A., and another, Marsden, N.Z. Transporting apparatus for cargo	23006	15 June ..	65	25 July.*
Wilson, G. T., and another, Stratford, N.Z. Railway fish-plate ..	22024	7 Nov., 1906	48	30 May.
Wilson, J., Auckland, N.Z. Construction of moulds for use in forming concrete walls	22658	10 April ..	44	16 May.*
Wilson, J., Auckland, N.Z. Construction of armoured concrete fencing-post	22660	10 April ..	44	16 May.*
Wilson, J., Christchurch, N.Z. Duplicating letter and account books	22862	21 May ..	..	..
Wilson, J. A., and another, Kumeroa, N.Z. Emergency brake for vehicles	22816	14 May ..	51	13 June.*
Wilson, M. G., Rongotea, N.Z. Collapsible box .. .. .	22575	20 March ..	41	2 May.*
Wilson, R., Dunedin, N.Z. Flue attachment for ranges .. .. .	22652	6 April ..	51	13 June.
Winkley, E. E., Lynn, U.S.A. (See United Shoe Machinery Company, No. 21428.)				
Winstanley, T., Hightown, Eng. Manufacture of lime-sand bricks or blocks	23010	19 June ..	..	..
Wood, H. A. W., New York, U.S.A. (See W. E. Hughes, No. 22567.)				
Wood, J. W., and another, Christchurch, N.Z. Operating tramway-points from moving car	22839	17 May ..	65	25 July.*
Woodcock, A., Woodcocks, N.Z. Cow's tail-holder .. .. .	22709	18 April ..	48	30 May
Woodcock, R. R., Napier, N.Z. Flushing apparatus .. .. .	22239	22 Dec., 1906..	62	11 July .
Woods, M., and another, Carlton, Vic. Moving machine for treating rail or railway deformities	22744	24 April ..	56	27 June.
Woollams, W. H., and another, Auckland, N.Z. Ointment .. .. .	22830	11 May ..	..	..
Wren, J., and others, Kew, Vic. Railway-signalling .. .. .	22624	2 April ..	44	16 May.
Wriedt, H., Melbourne, Vic. Dough-moulding machine .. .. .	21472	16 July, 1906..	51	13 June.
Wriedt, H., Melbourne, Vic. Automatically measuring dough, preserves, &c.	22789	7 May ..	48	30 May.*
Wright. (See Barton-Wright.)				
Yorath, T. H., and [another, Christchurch, N.Z. Acetylene-gas generator	22717	20 April ..	44	16 May.*
Youten, W., London, Eng. Separating dirt from cotton-waste ..	21290	13 June, 1906	56	27 June.
Young, A. E., and another, Christchurch, N.Z. Machine for issuing checks or tickets	22578	21 March ..	41	2 May.
Young, D. J., Ohinemuri, N.Z. Fire-kindler .. .. .	22617	2 April ..	..	..
Yourelle, T. I., and another, Wellington, N.Z. Ferro-concrete and fire-proof construction	22676	11 April ..	48	30 May.
Yule, J. A., Gore, N.Z. Wrench for operating nuts of fishplate bolts ..	22102	20 Nov., 1906	36	18 April.*
Ziele, C. W., Christchurch, N.Z. Match-striker for lamps, &c. ..	22953	4 June ..	..	..

## Alphabetical List of Inventions for Quarter ending 30th June, 1907.

THIS list includes also (1) applications lodged prior to but gazetted during the quarter, (2) complete specifications following provisional specifications accepted and gazetted during the quarter. Where the number and date of the Gazette are omitted, the application has not yet been accepted.

\* Denotes a provisional specification. † Denotes a prior date under section 106 of "The Patents, Designs, and Trade Marks Act, 1889."

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Abrading-device .. .. .	United Shoe Machinery Company	23060	27 June ..	65	25 July.*
Account-book, Duplicating .. .. .	J. Wilson .. .. .	22862	21 May .. ..	..	..
Accumulator. (See Electric Accumulator.)					
Acetylene blow-pipe .. .. .	G. W. Hopkins .. .. .	22884	25 May .. ..	62	11 July.
Acetylene-gas generator .. .. .	R. L. H. Murray .. .. .	22411	16 Feb. .. ..	48	30 May.
Acetylene-gas generator .. .. .	G. Wakelin .. .. .	22500	1 March .. ..	41	2 May.
Acetylene-gas generator .. .. .	W. E. Leverett and T. H. Yorath	22717	20 April .. ..	44	16 May.*
Acetylene-gas generator .. .. .	C. H. O'Brien .. .. .	22753	26 April .. ..	62	11 July.
Acetylene-gas purifier .. .. .	C. H. O'Brien .. .. .	22751	26 April .. ..	62	11 July.
Acetylene-gas purifier .. .. .	C. H. O'Brien .. .. .	22752	26 April .. ..	62	11 July.
Advertising-matter, Displaying .. .. .	R. Gibbs .. .. .	22778	6 May .. .. .	..	..
Aerated liquors, Preserving .. .. .	D. Wellwood .. .. .	23063	25 June .. ..	..	..
Agricultural-machine with traction-truck	R. Sylvester .. .. .	22673	11 April .. ..	48	30 May.
Air brake and pump .. .. .	E. A. Stewart .. .. .	22693	13 April .. ..	44	16 May.*
Air-carburettor .. .. .	T. Page .. .. .	22678	12 April .. ..	44	16 May.
Air-compressor .. .. .	W. O. Webber .. .. .	23032	24 June .. ..	..	..
Air-cooler .. .. .	R. Rayson .. .. .	21371	28 June, 1906	41	2 May.
Air-exhauster .. .. .	E. J. Keogh .. .. .	22788	8 May .. .. .	51	13 June.†
Air extractor, Foul- .. .. .	J. K., and H. O'Keeffe	22761	1 May .. .. .	..	..
Alarm. (See Burglar-alarm, Fire-alarm, Shop-alarm.)					
Altazimuth instrument .. .. .	H. M. Levinge .. .. .	22904	28 May .. ..	62	11 July.
Angle or splice bar .. .. .	E. N. Waters .. .. .	22485	28 Feb. .. ..	41	2 May.
Animal-decandater .. .. .	J. G. Harrington and E. J. Brown	21619	8 Aug., 1906	44	16 May.
Animal-trap .. .. .	T. J. Whelan .. .. .	21474	19 July, 1906	56	27 June.
Animal-trap .. .. .	F. Bowden .. .. .	22738	25 April .. ..	48	30 May.*
Animal-trap .. .. .	J. Holland .. .. .	22813	10 May .. ..	56	27 June.*
Animal-trap .. .. .	W. Beamish .. .. .	22853	17 May .. ..	51	13 June.*
Antimony from ores, Recovering .. .. .	J. R. Maason .. .. .	23074	29 June .. ..	65	23 July.*
Apron, Harvester-binder .. .. .	J. A. Steele .. .. .	21702	8 Aug., 1906	62	11 July.
Assembling-machine for boots, &c.	United Shoe Machinery Company	21364	28 June, 1906	41	2 May.
Assembling-means for document-files	H. A. Adams .. .. .	22599	26 March .. ..	41	2 May.
Atmospheric burner. (See Gas-burner.)					
Automatic brake for electric car .. .. .	F. A. Vaughan, F. McLeod, and P. McArdle	22780	7 May .. .. .	56	27 June.*
Axe-head .. .. .	N. J. Hansen .. .. .	22109	26 Nov., 1906	41	2 May.
Axe-head, &c. .. .. .	J. K. Hitchins .. .. .	22694	16 April .. ..	48	30 May.
Bacterial filter .. .. .	E. L. Short and A. Pickford	22791	7 May .. .. .	56	27 June.*
Bag. (See Mail-bag.)					
Bags, Packing predetermined quantities in	T. Whitehorn .. .. .	21293	13 June, 1906	33	4 April.
Balance. (See Window-sash balance.)					
Baled goods heat and moisture indicator	J. D. McLaurin .. .. .	21420	10 July, 1906	44	16 May.
Baled goods heat and moisture indicator	L. T. Reichel .. .. .	22444	20 Feb. .. ..	36	18 April.
Baled-goods tester .. .. .	W. Alexander .. .. .	22616	2 April .. ..	41	2 May.*
Baled-goods tester .. .. .	J. Walden .. .. .	22891	25 May .. ..	51	13 June.*
Baling-press .. .. .	F. J. McDonald .. .. .	22644	3 April .. ..	41	2 May.*
Barbed wire, Unwinding .. .. .	C. Kendrick .. .. .	22890	1 May .. .. .	..	..
Bath-heater .. .. .	J. D. Jackson .. .. .	21195	25 May, 1906	41	2 May.
Bath-heater .. .. .	W. H. Hannam .. .. .	22811	1 Aug., 1906†	56	27 June.
Battery. (See Crushing-battery, electro-magnetic stamp-battery.)					
Bed, couch, ottoman .. .. .	D. McKenzie .. .. .	22828	16 May .. ..	62	11 July.
Beer-cooler .. .. .	A. H. Rogers .. .. .	22380	29 Jan. .. ..	51	13 June.*
Beer, Drawing off .. .. .	M. P. Coffey .. .. .	22899	25 May .. ..	51	13 June.*
Beer-wort, Manufacture of .. .. .	J. G. Maardt .. .. .	22958	15 June .. ..	65	25 July.
Bed-rest and mattress .. .. .	D. McKenzie .. .. .	22618	25 March .. ..	48	30 May.*
Belt-fastener .. .. .	H. Wilkenning .. .. .	22622	12 April .. ..	41	2 May.*
Belt-fastener .. .. .	A. G. Tomkies .. .. .	22703	16 April .. ..	48	30 May.*
Belt for cycle-gear, &c. .. .. .	A. J. Bergin .. .. .	22450	12 July, 1906†	41	2 May.
Belt, Motor-cycle .. .. .	H. W. Lovegrove .. .. .	22712	17 April .. ..	44	16 May.*
Bench-stop, Carpenter's .. .. .	T. Robson .. .. .	22912	29 May .. ..	62	11 July.*
Bending metals, Shaping and .. .. .	J. W. Hardley .. .. .	21381	29 June, 1906	44	16 May.
Bicycle-chain guard .. .. .	H. Mackay .. .. .	22561	20 March .. ..	41	2 May.*
Bicycle-crank, Adjustable .. .. .	C. K. Turner .. .. .	21486	21 July, 1906	56	27 June.
Bicycle mud-guard splasher-attachment	T. F. Kirkland .. .. .	22760	1 May .. .. .	48	30 May.*
Bicycle-pedal strap .. .. .	C. A. Kidd .. .. .	22573	20 March .. ..	41	2 May.
Bicycle-pedal strap .. .. .	M. G. Smith .. .. .	23040	24 June .. .. .	..	..
Bicycle-pedal toe-clip .. .. .	L. H. Hicks and A. N. Cooke	22701	17 April .. ..	44	16 May.*
Bicycle-pedal toe-clip .. .. .	P. Magnus .. .. .	22726	24 April .. ..	48	30 May.*
Bicycle-support .. .. .	W. E. Hughes .. .. .	22191	12 Dec., 1906	51	13 June.*
Bicycle. (See also Cycle.)					
Billiards, Chalk-suspender for .. .. .	W. H. Hanwell .. .. .	22981	13 June .. ..	62	11 July.*
Billy-can .. .. .	C. H. Hulme .. .. .	22849	17 May .. .. .	56	27 June.*
Binder. (See Loose-leaf binder.)					
Bird-trap .. .. .	J. Barden .. .. .	21148	12 May, 1906	41	2 May.



ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Blind. (See Venetian-blind operating, Window-blind.)					
Block. (See Concrete block.)					
Blocking heel of boot-upper ..	J. Thompson .. ..	23015	20 June ..	..	..
Blow-pipe. (See Acetylene blow-pipe.)					
Boat-keel. (See Keel.)					
Boatkin .. ..	L. Simeon .. ..	22986	12 June ..	..	..
Boiler. (See Portable boiler, Water-tube boiler.)					
Boiler, Heating-arrangement for ..	W. H. de Baugh .. ..	22952	6 June ..	62	11 July.*
Book. (See Account-book.)					
Boot .. ..	W. Knowles .. ..	22378	31 Jan. ..	56	27 June.*
Boot .. ..	G. Henderson .. ..	22805	10 May ..	51	13 June.*
Boot-fastener, Wire for .. ..	United Shoe Machinery Company	22661	10 April ..	41	2 May.*
Boot-cementing machine .. ..	United Shoe Machinery Company	21514	26 July, 1906	51	13 June.
Boot-heel rounding-machine .. ..	M. D. Phelan .. ..	22926	1 June, 1906†	..	..
Boot-lacing machine .. ..	United Shoe Machinery Company	21233	30 May, 1906	41	2 May.
Bootmaking-jack .. ..	United Shoe Machinery Company	21428	11 July, 1906	51	13 June.
Bootmaking, Pounding-up machine ..	United Shoe Machinery Company	21365	28 June, 1906	41	2 May.
Boot-protector .. ..	C. Tandy .. ..	22968	11 June ..	55	25 July.*
Boot-protector for diggers, &c. ..	J. H., R., and J. McEvoy ..	22469	25 Feb. ..	44	16 May.
Boot pulling-over machine .. ..	United Shoe Machinery Company	22663	10 April ..	41	2 May.*
Boot-scraper .. ..	A. P. F. and G. D. Watson ..	23018	21 June ..	..	..
Boot-soles, Attaching .. ..	E. G. Kennedy .. ..	22304	12 Jan. ..	44	16 May.
Boot-treating machine .. ..	W. H. Hooper .. ..	23055	26 June ..	..	..
Boot-upper, Blocking heel of .. ..	J. Thompson .. ..	23015	20 June ..	..	..
Boots, Assembling-machine for .. ..	United Shoe Machinery Company	21364	28 June, 1906	41	2 May.
Boots, Abrading-device for .. ..	United Shoe Machinery Company	23060	27 June ..	65	25 July.*
Boot. (See also Shoe.)					
Boring-tool .. ..	R. E. Hay .. ..	21362	27 June, 1906	44	16 May.
Bottle .. ..	J. J. Macky .. ..	22812	8 May ..	..	..
Bottle-capsule .. ..	E. Goltstein .. ..	22633	4 April ..	56	27 June.
Bottle-capsule .. ..	E. Goltstein .. ..	22634	4 April ..	..	..
Bottle for liquids under pressure ..	J. Sharpe .. ..	22619	27 March ..	41	2 May.*
Bottle-stopper .. ..	E. Goltstein .. ..	22632	4 April ..	56	27 June.
Bottle-washing machine .. ..	J. Brewin .. ..	22702	17 April ..	51	13 June.
Box. (See Collapsible box, Feed-box, Fire-alarm box, Mitre-box.)					
Box-making machine .. ..	W. R. Comings .. ..	22363	28 Jan. ..	44	16 May.
Braces. (See Suspender.)					
Bracket. (See Scaffolding-bracket, Window-blind bracket.)					
Brake. (See Air-brake, Automatic brake, Cycle-brake, Emergency brake, Railway-brake.)					
Brake-block .. ..	W. H. Nisbet .. ..	22698	17 April ..	48	30 May.
Brander. (See Carcase-brander.)					
Brick .. ..	R. R. Richmond and A. H. Byron	22608	28 March ..	44	16 May.*
Brick, Lime-sand .. ..	T. Winstanley .. ..	23010	19 June ..	..	..
Brick-making machine .. ..	O. G. Diefendorf .. ..	22921	30 May ..	..	..
Brick-manufacture .. ..	G. Wade and E. C. White ..	22822	14 May ..	..	..
Brick, Use of slimes and tailings in ..	R. O. Clark .. ..	23029	20 June ..	..	..
Brine-cooler .. ..	G. P. Jenkins .. ..	22869	22 May ..	62	11 July.*
Broadcaster .. ..	B. F. Cranwell, C. F. F. Allan, and J. H. Trudgeon	20871	14 Mar., 1906	41	2 May.
Broom .. ..	W. Carver .. ..	23047	26 June ..	..	..
Broom, Clip for supporting .. ..	A. W. C. Palmer and J. W. Carrick	22999	17 June ..	..	..
Brush-making machine .. ..	S. G. Roseman and J. Lock ..	22711	19 April ..	44	16 May.*
Bucket scouring-attachment, Dredge-Building. (See Concrete building.)	W. E. Potts .. ..	22302	8 Jan. ..	41	2 May.
Burglar-alarm .. ..	F. J. Farrell .. ..	21208	21 May, 1906	48	30 May.
Burner. (See Gas-burner.)					
Butter-cutter .. ..	J. Budge and W. Booth .. ..	22916	30 May ..	..	..
Butter cutting and wrapping machine ..	E. G. McDougall .. ..	22639	4 April ..	41	2 May.*
Butter-fat computer .. ..	W. P. West and A. Rodger ..	22870	22 May ..	51	13 June.*
Butter-manufacture .. ..	Aktiebolaget Baltic Separator ..	22737	25 April ..	48	30 May.
Butter-manufacture .. ..	A. H. Borgström .. ..	22943	4 June ..	65	25 July.
Cabinet. (See Toilet-cabinet.)					
Cable-chain grip .. ..	E. N. Waters .. ..	22564	20 March ..	51	13 June.
Caddy. (See Tea-caddy.)					
Calendar, Perpetual .. ..	J. S. Heithersay .. ..	22250	29 Dec., 1905†	44	16 May.
Callipers-replacing appliance .. ..	E. T. Coppell .. ..	22597	23 March ..	44	16 May.*
Calmes and leaded lights .. ..	A. E. and H. G. Bradley ..	21047	19 Sept., 1906	41	2 May.
Can. (See Milking-can.)					
Cans, Soldering .. ..	H. N. Bell .. ..	22924	29 May ..	56	27 June.*
Capsule. (See Bottle-capsule.)					
Carbide-producing .. ..	A. Petersson .. ..	22918	30 May ..	62	11 July.
Carbide-producing from lime and carbon	A Petersson .. ..	22919	30 May ..	62	11 July.
Carburetter for internal-combustion engine	W. Gillett and M. D. Lehmann ..	22656	10 April ..	44	16 May.
Carburetter for internal-combustion engine	W. E. Hughes .. ..	22801	10 May ..	62	11 July.
Carburetter. (See also Air-carburetter.)					

## ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Carcass-brander .. .. .	R. H. H. Emerson .. .. .	22705	17 April ..	48	30 May.*
Cards, &c., Turning over .. .. .	A. R. Gill .. .. .	23028	22 June ..	62	11 July.*
Card-game .. .. .	A. Ford, S. C. J. Freeman-Matthews, and G. Russell .. .. .	22718	20 April ..	48	30 May.*
Cargo, Transporting .. .. .	A. Doig and E. A. Wilson .. .. .	23006	15 June ..	..	..
Carpet, &c., cleansing .. .. .	E. J. Keogh .. .. .	22954	6 June ..	62	11 July.*
Carrier. (See Coal-carrier, Perch-carrier.)					
Cart, Tailboard for .. .. .	A. G. Monahan .. .. .	22680	12 April ..	44	16 May.*
Cash-book .. .. .	J. M. Stewart .. .. .	22792	9 May ..	48	30 May.*
Cash-box .. .. .	G. J. Cox .. .. .	22636	4 April ..	48	30 May.*
Casks, &c., Lift for .. .. .	F. W. Barton .. .. .	22607	25 March ..	44	16 May.*
Cattle-food .. .. .	H. Corbett .. .. .	22980	13 June ..	..	..
Cattle-food .. .. .	W. Fuller .. .. .	23056	24 June ..	..	..
Cattle-food, Utilising flax-waste as .. .. .	W. G. Richardson .. .. .	22907	25 May ..	51	13 June.*
Cement. (See Portland cement.)					
Cement, Lime-stucco .. .. .	A. G. French .. .. .	22774	2 May ..	56	27 June.*
Cementing machine, Boot- .. .. .	United Shoe Machinery Company .. .. .	21514	26 July, 1906	51	13 June.
Centrifugal machine .. .. .	B. A. O. Prollius .. .. .	22589	20 March ..	41	2 May.*
Centrifugal machine, Shaft-mounting .. .. .	L. Burrell and D. H. Burrell, jun. .. .. .	22642	3 April ..	..	..
Chain guard, Bicycle- .. .. .	H. Mackay .. .. .	22561	20 March ..	41	2 May.*
Chain. (See Cable-chain, Cycle belt or chain, Sprocket-chain.)					
Chair .. .. .	D. McKenzie .. .. .	20905	11 April, 1906	41	2 May.
Chair, Adjustable .. .. .	A. Crichton and W. Williams .. .. .	22613	28 March ..	44	16 May.
Chair and perambulator combined .. .. .	J. Ford .. .. .	23007	19 June ..	..	..
Chair-leg, &c., Tip for .. .. .	W. S. Cobham and H. H. Oxley .. .. .	22627	2 April ..	56	27 June.*
Chalk holder, Billiard- .. .. .	W. H. Hanwell .. .. .	22981	13 June ..	..	..
Chart. (See Dress-cutting chart.)					
Cheese-crate .. .. .	T. Sutton .. .. .	22772	4 May ..	51	13 June.
Cheese-crate .. .. .	W. Cook .. .. .	22740	25 April ..	..	..
Chimney-pot .. .. .	W. Turnbull .. .. .	22940	4 June ..	56	27 June.*
Chuck for oil-engines, chaff-cutters, &c. .. .. .	T. Dawson .. .. .	21851	1 Oct., 1906	36	18 April.
Chuck for wheels, &c. .. .. .	W. Floessel .. .. .	22769	2 May ..	56	27 June.*
Chuck. (See Lathe-chuck.)					
Churn .. .. .	Aktiebolaget Baltio Separator .. .. .	22737	25 April ..	48	30 May.
Cigar-making machinery .. .. .	International Cigar Machinery Company .. .. .	22629	2 April ..	65	25 July.
Cinder-sifter .. .. .	E. H. Waddington .. .. .	20873	19 Mar., 1906	33	4 April.
Clamp. (See Cramp.)					
Clamping-device .. .. .	E. Old .. .. .	21921	17 Oct., 1906	36	18 April.
Cleaner. (See Knife-cleaner, Ship's-hull cleaner, Street-cleaner, Tram-rail cleaner.)					
Cleansing carpets, floors, &c. .. .. .	E. J. Keogh .. .. .	22954	6 June ..	62	11 July.*
Clip. (See Broom-clip, Toe-clip.)					
Closet-seat .. .. .	W. A. Langford .. .. .	22699	17 April ..	44	16 May.*
Clothes, Draining, &c. .. .. .	C. Jansen .. .. .	22557	19 March ..	41	2 May.*
Clothes, Drying .. .. .	R. A. Martin .. .. .	22820	14 May ..	56	27 June.*
Clothes-hanger .. .. .	A. Baker .. .. .	22707	18 April ..	..	..
Clothes-wardrobe .. .. .	R. Weir .. .. .	22687	10 April ..	48	30 May.
Clothes-wardrobe .. .. .	R. Weir .. .. .	22688	10 April ..	48	30 May.
Clothes-washer .. .. .	W. J. Harvey and F. Symes .. .. .	22762	29 April ..	51	13 June.*
Clutch. (See Hydraulic clutch.)					
Coal-carrier .. .. .	J. J. F. M. Smulders .. .. .	22611	28 March ..	44	16 May.
Coal-carrier .. .. .	W. H. Bryant .. .. .	22826	15 May ..	..	..
Coal lighter or vessel .. .. .	J. J. F. M. Smulders .. .. .	22610	28 March ..	44	16 May.
Cock and accessory for milking-machine .. .. .	B. W. Benn .. .. .	22653	6 April ..	41	2 May.*
Coiler. (See Wire-coiler.)					
Coir-freed apparatus, Cash-box of .. .. .	G. J. Cox .. .. .	22636	4 April ..	48	30 May.
Coin-freed machine .. .. .	E. C. E. Mills, P. Heyes, and W. J. Napier .. .. .	22746	29 April ..	56	27 June.
Cold-storage method .. .. .	G. P. Jenkins .. .. .	22867	22 May ..	62	11 July.*
Collapsible box .. .. .	M. G. Wilson .. .. .	22575	20 March ..	41	2 May.*
Collar. (See Horse-collar.)					
Compressor. (See Air-compressor.)					
Concrete .. .. .	J. C. C. Pearson and L. J. Steele .. .. .	22979	13 June ..	..	..
Concrete block, Damp-proof .. .. .	G. S. Williden .. .. .	22840	14 May ..	56	27 June.*
Concrete building .. .. .	W. Tyree .. .. .	22872	22 May ..	51	13 June.*
Concrete fencing-post .. .. .	J. Wilson .. .. .	22660	10 April ..	44	16 May.*
Concrete floors, Reinforcing .. .. .	A. Hankinson .. .. .	22576	21 March ..	44	16 May.
Concrete-mixer .. .. .	H. E. White .. .. .	22602	27 March ..	44	16 May.*
Concrete-mould .. .. .	J. Wilson .. .. .	22658	10 April ..	44	16 May.*
Concrete slabs, pipes, &c., Making .. .. .	P. B. Jagger .. .. .	22482	10 Mar., 1906†	56	27 June.
Concrete structure .. .. .	W. C. Page and R. V. Anderson .. .. .	22556	19 March ..	41	2 May.*
Concrete, Vulcanised-rubber .. .. .	J. C. and O. H. Drewet .. .. .	22905	25 May ..	56	27 June.*
Concrete. (See also Ferro-concrete.)					
Consolidating finely-divided materials .. .. .	A. and W. J. Malden .. .. .	22974	12 June ..	..	..
Cooking and baking apparatus .. .. .	A. Fischer .. .. .	22667	10 April ..	44	16 May.
Cooking-utensil .. .. .	G. D. Lumsden .. .. .	22600	26 March ..	44	16 May.*
Cooking-utensil .. .. .	B. F. H. Dawson .. .. .	23025	22 June ..	65	25 July.*
Cooler. (See Air-cooler, Beer-cooler, Brine-cooler, Cream and milk cooler, Liquids cooler.)					

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Corks, Preventing, blowing out ..	T. P. Ransom and E. St. G. Tucker	23039	22 June ..	..	..
Corselet, Spinal .. .. .	W. R. Gover .. .. .	22393	2 Feb. ..	48	30 May.
Corset-attachment .. .. .	W. J. Parker .. .. .	22798	10 May ..	56	27 June.
Cotton-waste cleaning .. .. .	W. Youlten .. .. .	21290	13 June, 1906	56	27 June.
Couch, ottoman, bed .. .. .	D. McKenzie .. .. .	22828	16 May ..	62	11 July.
Counting and registering turnstile ..	S. C. Lee, N. A. Morkill, and Checkogram, Limited	22868	17 Jan.† ..	65	25 July.*
Coupling. (See Railway-vehicle coupling, Shaft-coupling, Swingletree-coupling.)					
Cow-spaying instrument .. .. .	E. Bates .. .. .	22499	1 March ..	41	2 May.
Cow's-tail holder .. .. .	A. Woodcock .. .. .	22709	18 April ..	48	30 May.
Cradle and perambulator combined ..	J. Ford .. .. .	23007	19 June ..	..	..
Cradle-crusher .. .. .	R. K. Donald .. .. .	22931	9 May ..	62	11 July.
Cramp .. .. .	J. Brown .. .. .	21411	4 July, 1906	48	30 May.
Cramp and mitre-box .. .. .	H. Hill and J. Blain .. .. .	21979	25 Oct., 1906	56	27 June.
Cramp, Floor .. .. .	R. H. Sollitt .. .. .	22135	29 Nov., 1906	51	13 June.
Cramp, Picture-frame .. .. .	C. Colpus .. .. .	22045	12 Nov, 1906	48	30 May.*
Crank. (See Bicycle-crank, Cycle-crank.)					
Crate. (See Cheese-crate.)					
Cream and milk cooler .. .. .	J. Peterson and J. Wearn .. .. .	22615	26 March ..	44	16 May.*
Cream and milk cooler .. .. .	W. Foord .. .. .	22922	30 May ..	..	..
Cream-rake .. .. .	R. Walker .. .. .	22721	19 April ..	44	16 May.*
Cream-vat and cool-chamber .. .. .	J. B. MacEwan and Co., Limited	22914	29 May ..	..	..
Crusher. (See Cradle-crusher.)					
Crushing-battery .. .. .	F. H. Maxwell .. .. .	21675	22 Aug., 1906	56	27 June.
Culinary utensil. (See Cooking-utensil.)					
Cup and saucer .. .. .	D. A. Stewart .. .. .	22795	8 May ..	56	27 June.*
Curtains, Displaying, &c. .. .. .	Lamb and Todd, Limited	23041	25 June ..	65	25 July.*
Cutter. (See Butter-cutter.)					
Cyanide treatment of ores .. .. .	A. Adair .. .. .	21978	25 Oct., 1906	36	18 April.
Cycle belt or chain .. .. .	A. J. Bergin .. .. .	22450	2 July, 1906†	41	2 May.
Cycle-brake .. .. .	P. J. Shanks and W. Scott .. .. .	22723	22 April ..	41	2 May.*
Cycle-crank, Adjustable .. .. .	C. K. Turner .. .. .	21474	21 July, 1906	56	27 June.
Cycle. (See also Bicycle, Motor-cycle.)					
Date-stamping. (See Time-stamping.)					
Decanting jam .. .. .	F. G. McIntosh .. .. .	22697	17 April ..	48	30 May.
Decaudater. (See Animal decaudater.)					
Depilatory .. .. .	M. L. Krimer .. .. .	22767	2 May ..	..	..
Dessicating milk. (See Drying milk.)					
Differential-pressure apparatus .. .. .	G. J. Cox .. .. .	22637	4 April ..	44	16 May.
Dish. (See Pan and Dish.)					
Displaying, &c., curtains .. .. .	Lamb and Todd, Limited	23041	25 June ..	..	..
Document-file. (See Paper-file.)					
Door. (See Lift-door.)					
Door-lock .. .. .	F. R. Petersen .. .. .	22748	29 April ..	48	30 May.*
Dough-measuring machine .. .. .	H. Wriedt .. .. .	22789	7 May ..	48	30 May.*
Dough-mixing machine .. .. .	C. Chambers, jun. .. .. .	22888	25 May ..	62	11 July.
Dough-mixing machine .. .. .	C. Chambers, jun. .. .. .	22887	25 May ..	62	11 July.
Dough-moulding, &c., machine .. .. .	H. Wriedt .. .. .	21472	16 July, 1906	51	13 June.
Dough-moulding, &c., machine .. .. .	W. Scott and M. Richard .. .. .	22672	9 April ..	51	13 June.
Draining. (See Clothes draining.)					
Draught. (See Forced draught.)					
Draught, &c., excluder .. .. .	H. Bairstow .. .. .	21103	8 May, 1906	62	11 July.
Draught, &c., excluder .. .. .	W. Maud .. .. .	22913	29 May ..	51	13 June.*
Dredge .. .. .	S. Lake .. .. .	22686	10 April, 1907	51	13 June.
Dredge-attachment .. .. .	W. E. Potts .. .. .	22302	8 Jan. ..	41	2 May.
Dredge-bucket .. .. .	I. B. Hammond .. .. .	22757	1 May ..	56	27 June.
Dress-cutting chart .. .. .	I. Russell .. .. .	21190	22 May, 1906	44	16 May.
Drill. (See Hammer and drill, Rock-drill.)					
Dropper. (See Fencing-dropper.)					
Drum. (See Wire-drawing drum.)					
Drying clothes .. .. .	R. A. Martin .. .. .	22820	14 May ..	56	27 June.*
Drying hemp, &c. .. .. .	W. G. Richardson and M. H. Scott	22881	22 May ..	51	13 June.*
Drying milk .. .. .	J. R. Hatmaker .. .. .	21451	16 July, 1906	56	27 June.
Drying milk .. .. .	P. Bevenot and E. de Neveu .. .. .	22432	13 Feb. ..	56	27 June.
Dubbing .. .. .	A. Morris .. .. .	21914	12 Oct., 1906	33	4 April.
Duplicating letter, sales, &c., book ..	J. Wilson .. .. .	22862	21 May ..	..	..
Dust collector and remover .. .. .	C. L. Russell .. .. .	22946	1 June ..	..	..
Earthenware pipes. (See Pipes.)					
Easy-chair. (See Chair.)					
Elastic-fluid motor .. .. .	J. C. Preston .. .. .	22373	31 Jan. ..	41	2 May.
Electric accumulator .. .. .	Q. Marino and E. W. Barton-Wright	22932	28 May ..	62	11 July.
Electric accumulator .. .. .	Q. Marino and E. W. Barton-Wright	22959	5 June ..	65	25 July.
Electric indicator-lock .. .. .	H. C. Green .. .. .	22970	10 June ..	..	..
Electric retoucher. (See Retoucher.)					
Electric shop-alarm mat .. .. .	A. E. Moss .. .. .	22492	25 Feb. ..	41	2 May.*
Electric signalling .. .. .	R. A. Fessenden .. .. .	22895	23 May ..	62	11 July.

## ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Electric switch .. .. .	R. Brown .. .. .	22339	24 Jan., 1906†	41	2 May.
Electric switch .. .. .	T. A. Rolfe .. .. .	22750	26 April .. .. .	48	30 May.*
Electric switch, Operating .. .. .	A. Hare .. .. .	22991	14 June .. .. .	..	..
Electro-magnetic stamp-battery .. .. .	J. P. Lynn .. .. .	22883	25 May .. .. .	62	11 July.
Electrolyte, Moist, for primary and secondary battery .. .. .	P. Rabbidge .. .. .	22842	14 May .. .. .	62	11 July.
Electrolytic apparatus .. .. .	P. Borgnet .. .. .	22984	13 June .. .. .	..	..
Elevator. (See Lift.) .. .. .	.. .. .	..	..	..	..
Embrocation .. .. .	J. T. Benfell .. .. .	22900	25 May .. .. .	62	11 July.*
Emergency-brake .. .. .	J. A. Wilson and D. Sullivan .. .. .	22816	14 May .. .. .	51	13 June.*
Engine. (See Explosive engine, Gas-engine, Internal-combustion engine, Rotary engine.) .. .. .	.. .. .	..	..	..	..
Engine, Reversing-gear .. .. .	W. Brighton .. .. .	22850	17 May .. .. .	51	13 June.*
Envelope-fastener .. .. .	C. E. J. Wilkinson .. .. .	22448	21 Feb. .. .. .	..	..
Excavator .. .. .	J. W. Harris .. .. .	22626	2 April .. .. .	..	..
Excavator .. .. .	T. Poljakoff-Kowtunoff .. .. .	22925	31 May .. .. .	62	11 July.
Explosive engine .. .. .	G. T. Girdler .. .. .	22996	13 June .. .. .	62	11 July.*
Explosive motor .. .. .	J. H. Noonan .. .. .	22997	13 June .. .. .	..	..
Exterminator. (See Rabbit-fumigator.) .. .. .	.. .. .	..	..	..	..
Extinguishing. (See Lighting and extinguishing.) .. .. .	.. .. .	..	..	..	..
Extractor. (See Air-extractor, Nail-extractor.) .. .. .	.. .. .	..	..	..	..
Fabrics. (See Waterproofing fabrics.) .. .. .	.. .. .	..	..	..	..
Fastener. (See Belt-fastener, Boot-fastener, Fencing-wire fastener, Gate-fastener, Hat-fastener, Lid-fastener, Mail-bag fastener.) .. .. .	.. .. .	..	..	..	..
Fastening. (See Lock-fastening.) .. .. .	.. .. .	..	..	..	..
Fastenings for ploughs, &c. .. .. .	J. and W. J. O'Hara .. .. .	21238	28 May, 1906	33	4 April.
Fastenings for ploughs, &c. .. .. .	J. and W. J. O'Hara .. .. .	21414	4 July, 1906	48	30 May.
Feed-box .. .. .	W. R. Taylor .. .. .	22631	3 April .. .. .	44	16 May.*
Fence-making machine .. .. .	L. T. Chambers and W. E. Thompson .. .. .	22911	29 May .. .. .	62	11 July.
Fencing-dropper .. .. .	T. Tait .. .. .	22640	5 April .. .. .	..	..
Fencing post or standard .. .. .	J. Wilson .. .. .	22660	10 April .. .. .	44	16 May.*
Fencing post or standard .. .. .	F. T. Boys .. .. .	22969	11 June .. .. .	..	..
Fencing-wire fastener .. .. .	J. Irvine .. .. .	21318	15 June, 1906	36	18 April.
Fencing-wire fastener .. .. .	A. Ellis and E. W. Watts .. .. .	22716	17 April .. .. .	44	16 May.*
Fencing-wire fastener .. .. .	G. G. Holmes .. .. .	22990	14 June .. .. .	..	..
Fermented liquors, Preserving .. .. .	D. Wellwood .. .. .	23063	25 June .. .. .	..	..
Ferro-concrete construction .. .. .	T. I. Yourelle and J. Bellingham .. .. .	22676	11 April .. .. .	48	30 May.
Ferro-concrete former .. .. .	J. H. Adams .. .. .	22906	23 May .. .. .	51	13 June.*
Ferro-concrete former .. .. .	J. B. Massey .. .. .	23035	24 June .. .. .	65	25 July.*
Ferro-concrete floors, &c. .. .. .	A. Hankinson .. .. .	22576	21 March .. .. .	44	16 May.
Ferro-concrete structure .. .. .	W. C. Page and R. V. Anderson .. .. .	22556	19 March .. .. .	41	2 May.
Fibre-production .. .. .	V. A. de Perini .. .. .	21999	16 Nov., 1905†	51	13 June.
Fibre-production .. .. .	G. G. Turri .. .. .	22951	6 June .. .. .	..	..
Fibrous, &c., plastering .. .. .	E. Coombs .. .. .	22725	24 April .. .. .	48	30 May.
Field-gate .. .. .	F. Russell .. .. .	22874	22 May .. .. .	..	..
File. (See Paper-file.) .. .. .	.. .. .	..	..	..	..
Filling and weighing tea, &c. .. .. .	T. Whitehorn .. .. .	21293	13 June, 1906	33	4 April.
Filter. (See Bacterial-filter.) .. .. .	.. .. .	..	..	..	..
Filter-press plate .. .. .	J. Fergusson .. .. .	21642	16 Aug., 1906	62	11 July.
Filtering-suction hose .. .. .	H. Rochfort .. .. .	22598	23 March .. .. .	44	16 May.
Finger-ring .. .. .	R. Allport and T. Normoyle .. .. .	22113	26 Nov., 1906	51	13 June.
Firearms, Safety-lock for .. .. .	G. S. Stevenson .. .. .	23005	15 June .. .. .	62	11 July.*
Fire-alarm .. .. .	F. J. Farrell .. .. .	21208	21 May, 1906	48	30 May.
Fire-alarm .. .. .	T. Cahill .. .. .	22962	6 June .. .. .	..	..
Fire-alarm box .. .. .	H. T. Twiss .. .. .	22677	11 April .. .. .	44	16 May.*
Fire-bars .. .. .	W. G. Crosthwaite .. .. .	22474	28 Feb. .. .. .	44	16 May.
Fire-extinguishing on ships .. .. .	G. Harker .. .. .	22825	15 May .. .. .	..	..
Fire-grate. (See Grate.) .. .. .	.. .. .	..	..	..	..
Fire-kindler .. .. .	D. J. Young .. .. .	22617	2 April .. .. .	..	..
Fire lighter or kindler .. .. .	S. Martin .. .. .	22790	7 May .. .. .	56	27 June.*
Fireproof construction .. .. .	T. I. Yourelle and J. Bellingham .. .. .	22676	11 April .. .. .	48	30 May.
Fishplate .. .. .	G. T. Wilson and H. Downs .. .. .	22024	7 Nov., 1906	48	30 May.
Fishplate-bolts, Operating nuts of flag. (See Signalling-flag.) .. .. .	J. A. Yule .. .. .	22102	20 Nov., 1906	36	18 April.*
Flax, Degumming and cleaning .. .. .	H. B. Murhpy .. .. .	22727	24 April .. .. .	..	..
Flax-dressing machine .. .. .	D. Hartwell .. .. .	20874	19 Mar., 1906	33	4 April.
Flax-dressing machine .. .. .	A. L. Jones .. .. .	21243	31 May, 1906	36	18 April.
Flax-dressing machine .. .. .	T. T. Masfield and A. McLeod .. .. .	22714	17 April .. .. .	44	16 April.*
Flax-dressing machine .. .. .	W. Watson and W. Craig .. .. .	23043	25 June .. .. .	..	..
Flax-scraping machine .. .. .	T. H. Davidson .. .. .	22648	4 April .. .. .	48	30 May.
Flax-stripper .. .. .	D. McKenzie .. .. .	22794	4 May .. .. .	62	11 July.
Flax-stripper .. .. .	J. J. Keppel .. .. .	23075	29 June .. .. .	65	25 July.*
Flax-stripper attachment .. .. .	G. T. Booth .. .. .	22662	10 April .. .. .	41	2 May.*
Flax-stripper drive .. .. .	E. Girdler .. .. .	22796	7 May .. .. .	48	30 May.*
Flax treatment .. .. .	T. Reynolds and W. Brock .. .. .	22732	24 April .. .. .	44	16 May.*
Flax-waste utilising. (See Cattle-food.) .. .. .	.. .. .	..	..	..	..

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Flaying-knife .. .. .	R. J. Coomber .. .. .	22976	12 June .. .. .	..	..
Floor-cramp .. .. .	R. H. Sollitt .. .. .	22135	29 Nov., 1906	51	13 June.
Floor-polisher .. .. .	H. J. Haywood .. .. .	22841	15 May .. .. .	56	27 June.*
Flooring, Jointless .. .. .	W. Dunz .. .. .	22665	10 April .. .. .	48	30 May.
Floors, Concrete, Wire-reinforcement .. .. .	A. Hankinson .. .. .	22576	21 March .. .. .	44	16 May.
Floors, Waterproofing .. .. .	W. Baldwin .. .. .	22734	24 April .. .. .	56	27 June.
Flour, &c., Weighing and bagging .. .. .	T. Whitehorn .. .. .	21293	13 June, 1906	33	4 April.
Flue. (See Water-jacketed flue.)					
Flue attachment for ranges .. .. .	R. Wilson .. .. .	22652	6 April .. .. .	51	13 June.
Flushing-apparatus .. .. .	R. R. Woodcock .. .. .	22239	22 Dec., 1906	62	11 July.
Food. (See Cattle-food.)					
Forced-draught apparatus .. .. .	J. Sutcliffe .. .. .	21357	26 June, 1906	41	2 May.
Fruit-picker .. .. .	Z. D. Andrews .. .. .	22773	4 May .. .. .	48	30 April.*
Fuel .. .. .	T. Parker .. .. .	22945	4 June .. .. .	62	11 July.*
Fuel .. .. .	T. Parker .. .. .	23027	22 June† .. .. .	..	..
Fuel, Manufacture of artificial .. .. .	A. W. H. Vivian .. .. .	21462	14 July, 1906	62	11 July.
Fuel-economiser .. .. .	S. E. Bell .. .. .	22635	4 April .. .. .	41	2 May.*
Furnace-burner .. .. .	P. J. Owens .. .. .	21774	12 Sept., 1906	56	27 June.
Fumigator. (See Rabbit-fumigator Vermin-fumigator, &c.)					
Furnace, Fire-bars for .. .. .	W. G. Crosthwaite .. .. .	22474	28 Feb. .. .. .	44	16 May.
Furnace for reducing metals .. .. .	F. A. Kjellin .. .. .	22623	2 April .. .. .	44	16 May.
Furnace-plate .. .. .	W. Wilkins and J. Nobbs .. .. .	22416	12 Feb. .. .. .	48	30 May.
Game. (See Card-game.)					
Game .. .. .	J. Hutchison .. .. .	23059	24 June .. .. .	65	25 July.
Game, Indoor .. .. .	A. Gruhn .. .. .	22713	19 April .. .. .	48	30 May.
Garment-measurer .. .. .	L. W. Harris and L. Morris .. .. .	22858	18 May .. .. .	..	..
Garment-stretcher. (See Stretcher.)					
Gas-burner .. .. .	A. Fischer .. .. .	22669	10 April .. .. .	48	30 May.
Gas-burner .. .. .	J. E. Tatham and A. Smith .. .. .	22802	10 May .. .. .	48	30 May.*
Gas-engine .. .. .	E. H. Clift .. .. .	22630	28 Mar., 1906†	65	25 July.*
Gas-engine .. .. .	J. E. Friend .. .. .	22756	1 May .. .. .	51	13 June.
Gas-engine .. .. .	J. Macdonald .. .. .	22910	29 May .. .. .	56	27 June.*
Gas-engine, Starting-device .. .. .	J. H. and B. S. Nicholls .. .. .	22708	18 April .. .. .	44	16 May.*
Gas. (See Acetylene gas, Incandescent gas, Oil-gas.)					
Gas-generator .. .. .	B. Locking .. .. .	23004	18 June .. .. .	..	..
Gas-lamp, Inverted, Incandescent .. .. .	Pintsch's Patent Lighting Company, Limited .. .. .	23021	18 June .. .. .	..	..
Gas-lamps, Lighting and extinguishing .. .. .	G. Robson .. .. .	20993	12 April, 1906	36	18 April.
Gas-lamps, Lighting and extinguishing .. .. .	H. H. Johnson and E. Moin .. .. .	22731	9 Jan.† .. .. .	..	..
Gas-production .. .. .	F. J. Cox .. .. .	23026	22 June .. .. .	..	..
Gas-valves, Operating .. .. .	A. Hare .. .. .	22991	14 June .. .. .	..	..
Gas and water tap .. .. .	A. Fischer .. .. .	22668	10 April .. .. .	51	13 June.
Gate .. .. .	J. Pettitt .. .. .	22161	5 Dec., 1906	33	4 April.
Gate-fastener .. .. .	D. C. McArthur .. .. .	21395	3 July, 1906	44	16 May.
Gate. (See Field-gate.)					
Gate, Opening and shutting .. .. .	N. Olsen .. .. .	22603	27 March .. .. .	48	30 May.
Gear. (See Locomotive gear, Reversing-gear, Valve-gear.)					
Generator. (See Acetylene-gas generator.)					
Gold-dredge .. .. .	W. E. Potts .. .. .	22302	8 Jan. .. .. .	41	2 May.
Gold, Recovery from ores .. .. .	C. Newman and R. M. H. Stoot .. .. .	22988	13 June .. .. .	62	11 July.*
Golosh. (See Overshoe.)					
Grader. (See Potato-grader.)					
Grate, Well-fire for .. .. .	J. Ringland .. .. .	22994	15 June .. .. .	62	11 July.*
Gravel screen or riddle .. .. .	A. P. F. and G. D. Watson .. .. .	23019	21 June .. .. .	..	..
Griller. (See Toaster and griller.)					
Grip. (See Cable-chain grip.)					
Gum-resin, Cleaning .. .. .	G. W. Basley and J. Chambers .. .. .	22724	18 April .. .. .	44	16 May.*
Hair-cloth. (See Tailors' hair-cloth.)					
Hair-pin .. .. .	G. W. E. Broome .. .. .	22928	31 May .. .. .	62	11 July.*
Hair-removing preparation .. .. .	M. L. Krimer .. .. .	22767	5 Sept., 1906†	..	..
Hames .. .. .	W. Tattersall .. .. .	21965	25 Oct., 1906	51	13 June.
Hammer .. .. .	C. Lewes .. .. .	22998	17 June .. .. .	62	11 July.*
Hammer and drill operating-device .. .. .	J. J. Rekar .. .. .	22763	2 May .. .. .	51	13 June.
Hammock and tent .. .. .	F. W. Hellberg .. .. .	22394	4 Feb. .. .. .	33	4 April.
Harness-polish .. .. .	A. Morris .. .. .	21914	12 Oct., 1906	33	4 April.
Harvester-binder, Apron for .. .. .	J. A. Steele .. .. .	21702	28 Aug., 1906	62	11 July.
Harvester-binder, Conveyor for .. .. .	Massey-Harris Company, Limited .. .. .	22923	30 May .. .. .	62	11 July.
Hat-fastener .. .. .	B. E. Colson .. .. .	22855	20 May .. .. .	56	27 June.*
Heat in bales, Detecting. (See Baled-goods indicator.)					
Heater. (See Bath-heater, Liquid-heater, Water-heater.)					
Heating or cooling liquids .. .. .	W. H. Duncan .. .. .	22771	3 May .. .. .	56	27 June.*
Heel, Interchangeable .. .. .	W. White .. .. .	23053	26 June .. .. .	..	..
Heel, Resilient .. .. .	H. E. Wallace and E. Clark .. .. .	23048	26 June .. .. .	..	..
Heel-rounding machine .. .. .	M. D. Phelan .. .. .	22926	1 June, 1906†	..	..
Heel, Rubber .. .. .	W. Morrison .. .. .	22039	8 Nov., 1906	44	16 May.*
Hemp, Drying .. .. .	W. G. Richardson and M. H. Scott .. .. .	22881	22 May .. .. .	51	13 June.*

## ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Hides, Treatment of .. .. .	F. G. Browne and C. F. Lungley..	22827	15 May ..	56	27 June.*
Holder. (See Chalk-holder, Rein-holder, Thread-holder, Wire-netting holder.)					
Honey, Packing .. .. .	T. Sutherland .. .. .	21795	17 Sept., 1906	51	13 June.
Horse-collar .. .. .	T. K. Finnigan .. .. .	21534	30 July, 1906	33	4 April.
Horse-cover .. .. .	E. Le Roy .. .. .	21504	23 July, 1906	51	13 June.
Horse-cover .. .. .	E. Le Roy .. .. .	21505	23 July, 1906	56	27 June.
Horse-cover .. .. .	H. Hamilton .. .. .	22854	20 May ..	51	13 June.*
Horse-shoe .. .. .	G. Robinson .. .. .	22848	17 May ..	56	27 June.*
Hose. (See Filtering suction-hose.)					
Hothouse. (See Tomato-forcing house.)					
Hull of ship .. .. .	T. Mitchell .. .. .	21543	31 July, 1906	56	27 June.
Hull of ship, Cleaning .. .. .	T. Stewart .. .. .	22550	15 March ..	41	2 May.*
Hurdle .. .. .	J. P. Belcher .. .. .	22971	8 June ..	..	..
Hurdle .. .. .	W. L. Johnstone and N. Scrim- geour .. .. .	23051	26 June ..	65	25 July.*
Hydraulic clutch .. .. .	A. J. Fippard .. .. .	23009	19 June ..	..	..
Hydrocarbon, Furnace-burner}	P. J. Owens .. .. .	21774	12 Sept., 1906	56	27 June.
Hydrocarbon-gas. (See oil-gas.)					
Ice floors .. .. .	H. N. Reid .. .. .	21607	9 Aug., 1906	56	27 June.
Incandescent oil-gas manufacture .. .. .	J. A. Paterson .. .. .	21432	12 July, 1906	48	30 May.
Incandescent gas-lamp. (See Gas-lamp.)					
Indicator. (See Baled goods heat, &c., indicator, Electric indicator-lock, Moisture-indicator, Wearing-down-of- machinery indicator)					
Inflator. (See Tire-inflator.)					
Interlocking walls. (See Walls.)					
Internal-combustion engine, Carburetter for Internal-combustion engine. (See Gas- engine.)	W. Gillett and M. D. Lehmann ..	22656	10 April ..	44	16 May.
Insulator. (See Telegraph-wire insulator.)					
Inverted gas-lamp. (See gas-lamp.)					
Iron or steel, Treatment of .. .. .	A. Hayes .. .. .	23036	28 June, 1906†	..	..
Iron or steel, Solution for treatment of .. .. .	A. Hayes .. .. .	23038	28 June, 1906†	..	..
Iron roof for buildings .. .. .	H. B. France .. .. .	23061	28 June ..	65	25 July.*
Iron ores, Treating .. .. .	F. Cotton .. .. .	22614	28 March ..	44	16 May.
Iron oxides, Reducing .. .. .	H. W. Lash .. .. .	22886	25 May ..	62	11 July.
Iron, wrought, Manufacture of .. .. .	M. Moore and T. J. Heskett ..	22835	16 May ..	51	13 June.*
Jack. (See Bootmaking-jack.)					
Jam-pots, Filling, &c.. .. .	F. G. McIntosh .. .. .	22697	17 April ..	48	30 May.
Kauri-gum, Procuring, from swamps .. .. .	A. and F. McLeod .. .. .	22829	13 May ..	51	13 June.*
Keel, Hinged, for boats, &c. .. .. .	W. S. Gardner .. .. .	22963	10 June ..	62	11 July.*
Kerosene-pump .. .. .	E. Brandt .. .. .	22278	8 Jan. ..	48	30 May.*
Kerosene-siphon .. .. .	A. W. Omond and W. M. Johnson	22158	5 Dec., 1906	56	27 June.
Kindler. (See Fire-kindler.)					
Knife. (See Flaying-knife.)					
Knife-cleaner .. .. .	F. Hutton .. .. .	22983	13 June ..	65	25 July.*
Lacing-machine .. .. .	United Shoe Machinery Company	21233	30 May, 1906	41	2 May.
Ladder, Extension- .. .. .	H. Mote .. .. .	22657	10 April ..	44	16 May.
Ladder, Step- .. .. .	H. J. Gaby .. .. .	22683	13 April ..	44	16 May.*
Lamp. (See Gas-lamp.)					
Lamp-wick .. .. .	H. Donnelly .. .. .	22930	30 May ..	..	..
Lath affixer .. .. .	W. S. Clarke .. .. .	20970	7 April, 1906	36	18 April.
Lathe attachment for replacing callipers .. .. .	E. T. Coppell .. .. .	22597	23 March ..	44	16 May.*
Lathe-bed .. .. .	J. H. Hutchinson .. .. .	22815	13 May ..	65	25 July.*
Lathe-chuck .. .. .	E. T. Coppell .. .. .	22596	23 March ..	44	16 May.*
Lawn-mower .. .. .	The Kendrick and Hill Manufac- turing Company	22579	21 March ..	44	16 May.
Leaded lights and calmes .. .. .	A. E. and H. G. Bradley .. .. .	21047	19 Sept. 1906	41	2 May.
Lead-ores .. .. .	A. H. Imbert .. .. .	22213	23 Feb. 1906†	41	2 May.
Letter-book. (See Duplicating letter- book.)					
Lever apparatus .. .. .	E. Hayes .. .. .	22775	6 May ..	51	13 June.*
Levelling-staves .. .. .	W. F. Darling and S. T. Chancellor	21680	23 Aug. 1906	51	13 June.
Lever-jack .. .. .	J. Brown .. .. .	21411	4 July, 1906	49	30 May.
Lid-fastener for sanitary pans .. .. .	C. T. Haynes .. .. .	22739	25 April ..	48	30 May.*
Lift-door, Operating .. .. .	A. A. Walters .. .. .	22577	21 March ..	41	2 May.
Lift for casks, &c., Cellar .. .. .	F. W. Barton .. .. .	22607	25 March ..	44	16 May.
Lighter. (See Coal-lighter.)					
Lighting and extinguishing gas-lamps .. .. .	G. Robson .. .. .	20993	12 April, 1906	36	18 April.
Lime-sand, Brick .. .. .	T. Winstanley .. .. .	23010	19 June ..	..	..
Lining. (See Tube-mill lining.)					
Link. (See Sleeve-link, Splint-link.)					
Link-protector .. .. .	R. R. Douglas .. .. .	22692	13 April ..	41	2 May.*
Linotype matrix-cleaner .. .. .	W. H. Mounsey .. .. .	22786	8 May ..	65	25 July.
Linotype knife-block and knife .. .. .	W. H. Mounsey .. .. .	22787	8 May ..	65	25 July.
Liquids, Compressing .. .. .	D. O. Stewart .. .. .	22674	11 April ..	44	16 May.*
Liquid-delivering device .. .. .	A. Jarrett .. .. .	22831	16 May ..	..	..

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Liquids, heating and cooling ..	W. H. Duncan .. .. .	22771	3 May ..	56	27 June.*
Lock. (See Door-lock, Firearms-lock, Electric indicator-lock, Nut-lock.)					
Lock-fastening .. .. .	T. C. McLennan .. .. .	22852	16 May ..	51	13 June.*
Lock-stitch. (See Sewing-machine.)					
Lock, Window-sash .. .. .	T. E. Carter .. .. .	22882	20 May ..	56	27 June.*
Locomotive gear .. .. .	C. Uddstrom .. .. .	22704	15 April ..	48	30 May.*
Loom .. .. .	R. Glendining and G. Beaumont ..	22966	7 June ..	65	25 July.
Loose-leaf binder .. .. .	W. and E. Hudson and F. James	22754	1 May ..	56	27 June.
Machinery-roller .. .. .	R. R. Douglas .. .. .	22621	28 March ..	41	2 May.*
Mail-bag fastener .. .. .	H. Watt .. .. .	21368	28 June, 1906	48	30 May.
Mail-bag fastener .. .. .	O. T. Madeley .. .. .	22808	11 May ..	51	13 June.*
Marking race-competitors .. ..	S. T. Beattie and W. J. Chapman	22880	20 May ..	..	..
Mat. (See Metal-saving mat, Shop-alarm mat.)					
Match-striker .. .. .	C. W. Ziele .. .. .	22953	4 June ..	..	..
Matrix-cleaner. (See Linotype matrix-cleaner.)					
Mattress. (See Wire mattress.)					
Mattress and bed-rest .. .. .	D. McKenzie .. .. .	22618	25 March ..	48	30 May.*
Maze, Rotary .. .. .	R. Lowe .. .. .	22638	4 April ..	44	16 May.*
Measurer. (See Garment-measurer.)					
Metal bending and shaping machine ..	J. W. Hardley .. .. .	21381	29 June, 1906	44	16 May.
Metal-corrosion, &c., Preventing ..	P. E. G. Cumberland .. .. .	21592	4 Aug., 1906	62	11 July.
Metal-reducing furnace .. .. .	F. A. Kjellin .. .. .	22623	2 April ..	44	16 May.
Metal-saving mat .. .. .	T. Hall and F. Elvines .. .. .	22770	3 May ..	51	13 June.*
Milk can and measure .. .. .	J. Callaghan .. .. .	22651	9 April ..	44	16 May.*
Milk-cooler. (See Cream, &c., cooler.)					
Milk-drying process .. .. .	J. R. Hatmaker .. .. .	21451	16 July, 1906	56	27 June.
Milk-drying process .. .. .	P. Bevenot and E. de Neveu ..	22432	13 Feb. ..	56	27 June.
Milk-preservative .. .. .	F. W. B. Greville .. .. .	22844	17 May ..	56	27 June.*
Milk, Treatment of .. .. .	Societa di Esportazioni Polenghi-Lombardo	22471	28 Feb. ..	41	2 May.
Milking-apparatus, Piping and teat-cups for	H. H. Kerr and F. J. G. Knight	23011	17 June ..	..	..
Milking can or pail, Vacuum .. ..	A. Storrie .. .. .	22581	22 March ..	41	2 May.*
Milking-machine .. .. .	W. J. Teese .. .. .	22086	21 Nov., 1906	48	30 May.
Milking-machine .. .. .	W. J. Teese .. .. .	22535	13 March ..	44	16 May.
Milking-machine .. .. .	H. W. Gilling .. .. .	22560	19 March ..	41	2 May.*
Milking-machine .. .. .	A. G. Andin .. .. .	22609	28 March ..	41	2 May.*
Milking-machine .. .. .	G. Hutchison and J. Highet ..	22719	20 April ..	44	16 May.*
Milking-machine .. .. .	C. Bristow .. .. .	22797	10 May ..	48	30 May.*
Milking-machine .. .. .	W. Sim .. .. .	22892	20 May ..	51	13 June.*
Milking-machine .. .. .	R. A. Wiggins .. .. .	23002	18 June ..	62	11 July.*
Milking-machine .. .. .	J. J. Clark .. .. .	23042	25 June ..	65	25 July.*
Milking-machine and connection therefor	F. Raven .. .. .	22351	24 Jan. ..	56	27 June.
Milking-machine, Cock and accessory for	B. W. Benn .. .. .	22653	6 April ..	41	2 May.*
Milking-machine operating-device ..	Aktiebolaget Separator .. .. .	22514	6 March ..	44	16 May.
Milking-machine, Suction .. .. .	W. H. Lawrence and R. Kennedy	22985	10 June ..	..	..
Milking-machine, Vacuum motor for ..	B. W. Benn .. .. .	22654	6 April ..	41	2 May.*
Mill. (See Tube-mill.)					
Milling-machine .. .. .	A. Crook .. .. .	22865	21 May ..	..	..
Mines, Transporting-apparatus for ..	A. E. Davis, R. Meyer, F. H. Medhurst, and J. E. Ferrar	22949	5 June ..	65	25 July.
Mitre box and cramp .. .. .	H. Hill and J. Blain .. .. .	21979	25 Oct., 1906	56	27 June.
Moisture-indicator for wool, &c. ..	L. T. Reichel .. .. .	22444	20 Feb. ..	36	18 April.
Moisture-tester .. .. .	W. Alexander .. .. .	22616	2 April ..	41	2 May.*
Motor. (See Elastic-fluid motor, Explosive motor, Rotary motor.)					
Motor-cycle belt .. .. .	A. J. Bergin .. .. .	22450	2 July, 1906†	41	2 May.
Motor-cycle belt .. .. .	H. W. Lovegrove .. .. .	22712	17 April ..	44	16 May.*
Motor-vehicle wheel. (See Wheel.)					
Moulding-machine .. .. .	J. L. Campbell .. .. .	23050	26 June ..	65	25 July.*
Mouth-organ .. .. .	S. Dickens .. .. .	22116	27 Nov., 1906	33	4 April.
Mower. (See Lawn-mower.)					
Mud-guard splash attachment .. ..	T. F. Kirkland .. .. .	22760	1 May ..	48	30 May.*
Nail-extractor .. .. .	A. C. Idiens .. .. .	22845	17 May ..	56	27 June.*
Nail-manufacture .. .. .	J. B. Davies and H. Bell .. .. .	22655	10 April ..	41	2 May.*
Needle. (See Sewing-machine needle.)					
Nut-lock .. .. .	J. T. Clark .. .. .	21518	9 Oct., 1905†	65	11 July.
Nuts of fishplate-bolts, Operating ..	J. A. Yule .. .. .	22102	20 Nov., 1906	36	18 April.*
Oil-engine. (See Gas-engine.)					
Oil-engine, &c., Chock for .. .. .	T. Dawson .. .. .	21851	1 Oct., 1906	36	18 April.
Oil-feeder .. .. .	F. Roberts .. .. .	22846	17 May ..	56	27 June.*
Oil-gas manufacture .. .. .	J. A. Paterson .. .. .	21432	12 July, 1906	48	30 May.
Ointment .. .. .	J. Gallagher and W. H. Woollams	22830	11 May ..	..	..
Ore-treatment .. .. .	H. Cramer-Roberts .. .. .	22690	15 April ..	44	16 May.*
Ore-treatment .. .. .	D. N. Hood .. .. .	22758	15 Sept., 1906†	..	..
Ore treatment, Cyanide- .. .. .	A. Adair .. .. .	21978	25 Oct., 1906	36	18 April.
Ores. (See Iron-ores, Lead-ores, Sulphide-ores, Zinc-ores.)					

## ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Ottomans, Bed and couch .. .. .	D. McKenzie .. .. .	22828	16 May ..	62	11 July.
Oven of cooking-range .. .. .	K. Gillingham .. .. .	22590	20 March ..	41	2 May.*
Overshoe .. .. .	G. E. Smith .. .. .	22902	28 May ..	56	27 June.*
Packeting tea, flour, &c. .. .. .	T. Whitehorn .. .. .	21293	13 June, 1906	33	4 April.
Packing honey .. .. .	T. Sutherland .. .. .	21795	17 Sept., 1906	51	13 June.
Pan and dish holder .. .. .	R. B. Restell and F. Currie .. .. .	23058	24 June ..	..	..
Paper-file .. .. .	H. A. Adams .. .. .	22599	26 March ..	41	2 May.
Paper-pulp production .. .. .	V. A. de Perini .. .. .	21999	16 Nov., 1905†	51	13 June.
Paper vessel for milk-delivering .. .. .	Mono Service Vessels, Limited .. .. .	22810	11 May ..	56	27 June.
Pedal. (See Bicycle-pedal.)					
Pedal strap .. .. .	C. A. Kidd .. .. .	22573	20 March ..	41	2 May.
Pedal strap .. .. .	M. G. Smith .. .. .	23040	24 June ..	..	..
Pelton wheel. (See Water-wheel.)					
Perambulator, &c. .. .. .	J. Ford .. .. .	23007	19 June ..	..	..
Perch-carrier .. .. .	L. O. Hooker .. .. .	22104	23 Nov., 1906	41	2 May.*
Perpetual calendar. (See calendar.)					
Picture-frame clamp .. .. .	C. Colpus .. .. .	22045	12 Nov., 1906	48	30 May.*
Pin .. .. .	W. H. Carter, jun. .. .. .	22877	22 May ..	51	13 June.*
Pipes, Earthenware .. .. .	L. N. Dyhrberg .. .. .	23044	25 June ..	..	..
Pipes, Use of slimes, &c., in making .. .. .	R. O. Clark .. .. .	23029	20 June ..	..	..
Pipe .. .. .	R. O. Clark .. .. .	22509	18 May ..	51	13 June.
Piping. (See Milking-apparatus.)					
Pipes, earthenware, Straightening .. .. .	R. O. Clark .. .. .	21491	19 July ..	56	27 June.
Pithing spear .. .. .	J. Kay .. .. .	22691	15 April ..	44	16 May.*
Plastering, Fibrous, &c. .. .. .	E. Coombs .. .. .	22725	24 April ..	48	30 May.
Plastering-lath affixer .. .. .	W. S. Clarke .. .. .	20970	7 April, 1906	36	18 April.
Plough .. .. .	C. K. Turner .. .. .	21485	21 July, 1906	62	11 July.
Plough .. .. .	G. E. Bretherton .. .. .	22460	21 Feb. ..	41	2 May.*
Plough .. .. .	J. Macalister .. .. .	22745	26 April ..	44	16 May.*
Plough .. .. .	W. Davidson .. .. .	22965	7 June ..	62	11 July.*
Ploughs, &c., Fastenings for .. .. .	J. and W. J. O'Hara .. .. .	21238	28 May, 1906	33	4 April.
Ploughs, &c., Fastening for .. .. .	J. and W. J. O'Hara .. .. .	21414	4 July, 1906	48	30 May.
Plough, Potato-feed attachment .. .. .	T. R. Hogg .. .. .	22834	16 May ..	51	13 June.*
Plough-share .. .. .	A. S. Thwaites .. .. .	22679	12 April ..	..	..
Pneumatic wheels. (See Tires, Pneumatic.)					
Pocket of wearing-apparel .. .. .	A. Gray and D. G. Thornton .. .. .	22410	9 Feb. ..	41	2 May.*
Points. (See Tramway-points.)					
Poison-layer .. .. .	J. Turnbull and R. L. Christie .. .. .	21570	30 July, 1906	62	11 July.
Portable boiler .. .. .	W. Hamer .. .. .	22893	23 May ..	..	..
Portland cement manufacture .. .. .	T. Sakauchi .. .. .	22989	14 June ..	..	..
Post. (See Concrete post.)					
Potato-digger .. .. .	A. Cometti .. .. .	22879	23 May ..	51	13 June.*
Potato-feed attachment to plough .. .. .	T. R. Hogg .. .. .	22834	16 May ..	51	13 June.*
Potato-grader .. .. .	H. R. Lees .. .. .	22941	4 June ..	56	27 June.*
Potato-planter .. .. .	B. G. A. Harkness .. .. .	23000	18 June ..	..	..
Pounding-up machine .. .. .	United Shoe Machinery Company .. .. .	21365	28 June, 1906	41	2 May.
Power, Obtaining, from rivers .. .. .	W. T. Small .. .. .	22776	6 May ..	..	..
Preservative. (See Milk-preservative.)					
Preserving aerated liquors .. .. .	D. Wellwood .. .. .	23060	25 June ..	..	..
Preserving milk .. .. .	Societa di Esportazione Polenghi-Lombardo .. .. .	22471	28 Feb. ..	41	2 May.
Press. (See Baling-press.)					
Printing-machine .. .. .	Linotype and Machinery, Limited .. .. .	22569	20 March ..	41	2 May.
Propeller. (See Screw-propeller.)					
Protector. (See Boot-protector, Link-protector, Tire-protector.)					
Pulling over machine .. .. .	United Shoe Machinery Company .. .. .	22663	10 April ..	41	2 May.*
Pump. (See Air brake and pump, Kerosene-pump, Refrigerator-pump, Rotary pump, Tire-pump.)					
Punching and miling machine .. .. .	A. Crook .. .. .	22865	21 May ..	..	..
Puncture-closing composition for tires .. .. .	L. H. R. Wiggs .. .. .	22944	4 June ..	62	11 July.*
Quartz-crushing. (See Crushing-battery.)					
Rabbit-fumigator .. .. .	A. Le Blanc .. .. .	22265	3 Jan. ..	41	2 May.*
Rabbit-trap .. .. .	F. Bowden .. .. .	22738	25 April ..	48	30 May.*
Rabbit-trap .. .. .	J. Holland .. .. .	22813	10 May ..	56	27 June.*
Race-competitors, Marking .. .. .	S. T. Beattie and W. J. Chapman .. .. .	22880	20 May ..	65	25 July.
Race-starting machine .. .. .	L. G. Wieneke .. .. .	21297	13 June, 1906	56	27 June.
Rail deformities, Treating .. .. .	M. Woods and T. J. Gilbert .. .. .	22744	24 April ..	56	27 June.
Rail-joint fishplate .. .. .	G. T. Wilson and H. Downs .. .. .	22024	7 Nov., 1906	48	30 May.
Rail-joint splice-bars .. .. .	E. N. Waters .. .. .	22485	28 Feb. ..	41	2 May.
Rail-ment with vehicle .. .. .	T. Poljakoff-Kowtunoff .. .. .	22729	24 April ..	51	13 June.
Rails, Attaching, to sleepers .. .. .	J. C. C. Pearson .. .. .	22995	15 June ..	62	11 July.*
Railway, &c., brake .. .. .	W. H. Nisbet .. .. .	22698	17 April ..	48	30 May.
Railway-car safeguard attachment .. .. .	H. Fitch .. .. .	23020	21 June ..	..	..
Railway-signalling .. .. .	J. H. Warren, T. Blades, and J. Wren .. .. .	22624	2 April ..	44	16 May.
Railway signalling-apparatus .. .. .	J. G. Hudson .. .. .	22710	18 April ..	44	16 May.*
Railway signalling-apparatus .. .. .	V. L. Raven .. .. .	22755	4 May, 1906†	51	13 June.
Railway signalling-apparatus .. .. .	V. L. Raven .. .. .	22780	16 June, 1906†	51	13 June.



ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Railway signalling apparatus .. ..	V. L. Raven .. ..	22784	19 June, 1906†	51	13 June.
Railway-vehicle coupling .. ..	G. Johnston .. ..	22785	8 May .. ..	51	13 June.
Rake and swath turner .. ..	W. E. Martin .. ..	22973	1 Oct., 1906†	65	25 July.
Ram, Submerged .. ..	F. W. Payne .. ..	22649	5 April .. ..	2	11 July.
Rat-stop for drain .. ..	P. E. and A. G. Reid and J. G. Kosseck	22897	25 May .. ..	56	27 June.*
Razor .. ..	T. C. Durham .. ..	22889	25 May .. ..	62	11 July.
Razor. (See Safety-razor.) .. ..	J. Henderson .. ..	22915	26 July, 1906†	..	..
Receptacle for small goods .. ..	W. J. Kulitze .. ..	22821	14 May .. ..	62	11 July.*
Refrigerating (See Air-cooler.) .. ..	N. S. McNab and J. S. Link .. ..	23024	22 June .. ..	..	..
Refrigerator-pump .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Register, Time-recording .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Registering. (See Counting and Registering.) .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Reinforced concrete. (See Ferro-concrete.) .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Rein-holder .. ..	E. Meech .. ..	22819	14 May .. ..	..	..
Resilient wheel (See Wheel.) .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Resin. (See Gum-resin.) .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Retoucher, Electric .. ..	A. V. Davis .. ..	22936	30 May .. ..	62	11 July.*
Reversing-gear for engines .. ..	W. Brighton .. ..	22850	17 May .. ..	51	13 June.*
Riddle or gravel-screen .. ..	A. P. F. and G. D. Watson .. ..	23019	21 June .. ..	..	..
Rifle-sight .. ..	E. S. Baldwin and H. H. Rayward .. ..	22625	2 April .. ..	48	30 May.
Ring. (See Finger-ring.) .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Road-sweeper .. ..	E. S. Slee and P. Tremayne .. ..	22612	28 March .. ..	44	16 May.*
Road. (See also Street.) .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Rock-drill .. ..	J. M. Porter and J. Overall .. ..	22733	24 April .. ..	48	30 May.*
Roller. (See Machinery-roller.) .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Roof. (See Iron roof.) .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Rotary engine .. ..	W. M. H. M. Peacock .. ..	22934	1 June .. ..	56	27 June.*
Rotary gas-engine .. ..	J. E. Friend .. ..	22756	1 May .. ..	51	13 June.
Rotary maze .. ..	R. Lowe .. ..	22638	4 April .. ..	44	16 May.*
Rotary motor .. ..	P. Ellis .. ..	22967	10 June .. ..	62	11 July.*
Rotary oil-engine .. ..	F. W. Paterson .. ..	23064	26 June .. ..	65	25 July.*
Rotary pump .. ..	A. E. Luttrell .. ..	21159	17 May, 1906	51	13 June.
Rotary pump and turbine .. ..	E. S. G. Rees .. ..	22588	19 March .. ..	41	2 May.
Rotary steam-engine .. ..	J. E. Friend .. ..	22684	13 April .. ..	48	30 May.
Rubber goods, Manufacturing and repairing .. ..	T. Gare .. ..	22873	29 May, 1906†	..	..
Runaways, Preventing .. ..	O. T. Madeley .. ..	22807	11 May .. ..	51	13 June.*
Runaways, Preventing .. ..	J. H. Krause .. ..	22948	5 June .. ..	65	25 July.*
Runaways, Preventing .. ..	A. J. Hobbs and J. R. Jewell .. ..	23031	24 June .. ..	65	25 July.*
Saddle-cover .. ..	G. J. Clegg .. ..	22992	15 June .. ..	..	..
Safety-razor .. ..	G. Johnson and F. J. McLaren .. ..	22938	4 June .. ..	56	27 June.*
Sand-blast apparatus .. ..	International Sand-blast Company .. ..	22606	25 March .. ..	44	16 May.
Sash. (See Winow-sash.) .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Saucer. (See Cup and saucer.) .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Saw-setting device .. ..	J. Reynolds .. ..	20895	22 Mar., 1906	33	4 April.
Scaffolding-bracket .. ..	C. Lucas .. ..	21216	28 May, 1906	33	4 April.
Scaffolding-bracket .. ..	C. Lucas .. ..	21261	6 June, 1906	36	18 April.
Scaffolding-bracket .. ..	G. R. Hale .. ..	22747	29 April .. ..	44	16 May.*
Scaffolding bracket and hook .. ..	A. Lawton .. ..	23033	24 June .. ..	62	11 July.*
Scarifier .. ..	A. J. Hall .. ..	22424	11 Feb. .. ..	44	16 May.
Scraper. (See Boot-scraper.) .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Screen. (See Gravel-screen.) .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Screw-propeller .. ..	R. A. W. Green .. ..	23054	26 June .. ..	..	..
Seed-sower .. ..	J. Macalister .. ..	20997	9 April, 1906	44	16 May.
Seed-sower .. ..	G. Gray .. ..	21344	22 June, 1906	48	30 May.
Seed-sower .. ..	A. Todd .. ..	22547	12 March .. ..	41	2 May.*
Seed-sower .. ..	G. Hutchinson .. ..	22706	18 April .. ..	44	16 May.*
Seed-sower .. ..	G. Hutchinson .. ..	22722	22 April .. ..	48	30 May.*
Seed-sower .. ..	G. W. King and A. H. Munro .. ..	22793	9 May .. ..	56	27 June.
Seed-sower .. ..	C. Bristow .. ..	22804	10 May .. ..	48	30 May.*
Seed-sower .. ..	A. Storrie .. ..	23030	19 June .. ..	..	..
Seed-sower, Broadcast .. ..	B. F. Cranwell, C. F. F. Allan, and J. H. Trudgeon	20871	14 Mar., 1906	41	2 May.
Separating dirt from cotton waste .. ..	W. Yout n .. ..	21290	13 June, 1906	56	27 June.
Separating ores .. ..	A. J. F. de Bavay .. ..	23049	26 June .. ..	65	25 July.*
Septic tank .. ..	A. I. Joseph .. ..	22553	13 March .. ..	41	2 May.
Septic tank, Disposal of effluent from .. ..	C. Harper .. ..	22183	12 Dec., 1906	41	2 May.
Sewerage system .. ..	J. F. and W. P. Liernur .. ..	23023	22 June .. ..	..	..
Sewing-machine, Lock-stitch .. ..	United Shoe Machinery Company .. ..	22764	2 May .. ..	48	30 May.*
Sewing-machine lubricator .. ..	United Shoe Machinery Company .. ..	22765	2 May .. ..	48	30 May.*
Sewing-machine needle .. ..	H. McKinlay .. ..	22641	6 April .. ..	..	..
Shaft-coupling .. ..	G. E. Spooner .. ..	22859	21 May .. ..	56	27 June.*
Shaft mounting. (See Centrifugal Machines, Shaft mounting.) .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Shaft-tug .. ..	J. P. Horner .. ..	22620	28 March .. ..	44	16 May.*
Shaping and bending machine for metals .. ..	J. W. Hardley .. ..	21381	29 June, 1906	44	16 May.
Sheep feed-box .. ..	W. R. Taylor .. ..	22631	3 April .. ..	44	16 May.*
Sheep-shearing machine .. ..	J. C. Preston .. ..	22374	31 Jan. .. ..	41	2 May.
Shield. (See Tire-protector, &c.) .. ..	.. ..	.. ..	.. ..	.. ..	.. ..
Ship's hull .. ..	T. Mitchell .. ..	21543	31 July, 1906	56	27 June.

## ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Ship's hull-cleaner .. .. .	T. Stewart .. .. .	22550	15 March ..	41	2 May.*
Shirt and tunic .. .. .	E. N. Murray .. .. .	22823	15 May .. ..	..	..
Shoemaking method .. .. .	United Shoe Machinery Company	22920	30 May .. ..	51	13 June.*
Shoe-upper lacing-machine .. .. .	United Shoe Machinery Company	21233	30 May, 1906	41	2 May.
Shop-alarm mat .. .. .	A. E. Moss .. .. .	22492	25 Feb. .. ..	41	2 May.*
Sifter. (See Cinder-sifter.)	.. .. .	..	..	..	..
Sight. (See Rifle-sight.)	.. .. .	..	..	..	..
Signalling-flag .. .. .	F. H. Lampen .. .. .	22558	19 March .. ..	41	2 May.*
Signalling. (See Electric signalling, Rail-way-signalling.)	.. .. .	..	..	..	..
Siphon. (See Kerosene-siphon.)	.. .. .	..	..	..	..
Skating-rink. (See Ice floors.)	.. .. .	..	..	..	..
Skylight .. .. .	T. R. Christie .. .. .	22593	22 March .. ..	41	2 May.*
Skylight .. .. .	H. G. Bedell .. .. .	22851	15 May .. ..	51	13 June.*
Slasher and handle .. .. .	J. K. Hitchins .. .. .	22694	16 April .. ..	48	30 May.
Slaughtering-spear .. .. .	J. Kay .. .. .	22691	15 April .. ..	44	16 May.*
Sledge .. .. .	C. C. Cameron .. .. .	22799	10 May .. ..	62	11 July.
Sleeper .. .. .	J. C. C. Pearson .. .. .	22933	1 June .. ..	56	27 June.*
Sleepers, Attaching rails to	J. C. C. Pearson .. .. .	22995	15 June .. ..	62	11 July.*
Sleeve-link .. .. .	J. Galt .. .. .	21248	1 June, 1906	36	18 April.
Slicer for animal-feed .. .. .	F. W. Ison .. .. .	22871	22 May .. ..	56	27 June.*
Smoke-consumer .. .. .	J. W. Fowler .. .. .	22742	24 April .. ..	56	27 June.*
Smoke-preventing mixture .. .. .	G. A. Maunsell .. .. .	22935	1 June .. ..	..	..
Soldering cans .. .. .	H. N. Bell .. .. .	22924	29 May .. ..	56	27 June.*
Sole. (See Boot-sole.)	.. .. .	..	..	..	..
Sole-rounding machine .. .. .	Manufacturers' Machine Company	22927	31 May .. ..	..	..
Sower. (See Seed-sower.)	.. .. .	..	..	..	..
Spanner. (See Wrench.)	.. .. .	..	..	..	..
Spaying-instrument .. .. .	E. Bates .. .. .	22499	1 March .. ..	41	2 May.
Spear. (See Pithing-spear.)	.. .. .	..	..	..	..
Spinal and body supports .. .. .	J. Atkinson .. .. .	23046	21 June .. ..	..	..
Spinal corselet .. .. .	W. R. Gover .. .. .	22393	2 Feb. .. ..	48	30 May.
Splasher. (See Mud-guard.)	.. .. .	..	..	..	..
Splice or angle bars .. .. .	E. W. Waters .. .. .	22485	28 Feb. .. ..	41	2 May.
Split-link .. .. .	J. M. Bawden .. .. .	22955	7 June .. ..	..	..
Splitter. (See Wood-splitter.)	.. .. .	..	..	..	..
Sprayer .. .. .	J. Touthcher and C. J. Hicks	22730	24 April .. ..	62	11 July.
Sprayer .. .. .	W. Tyree .. .. .	22766	2 May .. ..	51	13 June.
Spring. (See Vehicle-spring.)	.. .. .	..	..	..	..
Sprocket-chain .. .. .	G. Davidson .. .. .	22681	12 April .. ..	44	16 May.
Stamp-affixing machine .. .. .	F. W. Munt .. .. .	22908	29 May .. ..	51	13 June.*
Starting-device. (See Gas-engine.)	.. .. .	..	..	..	..
Starting-machine. (See Race-starting machine.)	.. .. .	..	..	..	..
Staves. (See Levelling-staves.)	.. .. .	..	..	..	..
Steel, Fibrous .. .. .	A. Hayes .. .. .	23037	28 June, 1906†	..	..
Steel, Solution for treatment of	A. Hayes .. .. .	23038	28 June, 1906†	..	..
Steel, Treatment of .. .. .	A. Hayes .. .. .	23036	28 June, 1906†	..	..
Steam-boiler. (See Water-tube steam-boiler.)	.. .. .	..	..	..	..
Steam-turbine .. .. .	W. B. Miller .. .. .	22777	6 May .. ..	56	27 June.*
Step-ladder. (See Ladder.)	.. .. .	..	..	..	..
Stereotypes, Making .. .. .	W. E. Hughes .. .. .	22567	20 March .. ..	41	2 May.
Strainer. (See Wire-strainer.)	.. .. .	..	..	..	..
Street-cleaner, Suction .. .. .	H. Quertier .. .. .	22675	11 April .. ..	44	16 May.*
Street-sweeper .. .. .	J. Christie .. .. .	21750	4 Sept., 1906	41	2 May.
Street-sweeper .. .. .	E. S. Slee and P. Tremayne	22612	28 March .. ..	44	16 May.*
Stretcher for garments, &c. .. .. .	E. H. Smith .. .. .	22898	25 May .. ..	56	27 June.*
Structure. (See Concrete structure.)	.. .. .	..	..	..	..
Stuffing-box .. .. .	W. W. Wakely .. .. .	23045	25 June .. ..	..	..
Stump-puller .. .. .	J. Brown .. .. .	21411	4 July, 1906	48	30 May.
Stump-puller .. .. .	G. W. Batcheler and A. Tecofsky	22894	23 May .. ..	56	27 June.*
Suction-hose. (See Filtering suction-hose.)	.. .. .	..	..	..	..
Sugar, Extracting, from milk, &c. .. .. .	P. Bevenot and E. de Neveu	22432	13 Feb. .. ..	56	27 June.
Sulphide ores, Treating .. .. .	A. H. Imbert .. .. .	22213	22 April, 1906†	41	2 May.
Surveyors' staves. (See Levelling-staves.)	.. .. .	..	..	..	..
Suspender for braces .. .. .	F. B. Clapcott .. .. .	23057	24 June .. ..	..	..
Swath turner and rake .. .. .	W. E. Martin .. .. .	22973	12 June .. ..	65	25 July.
Sweeper. (See Road-sweeper, Street-sweeper, Tram-rail sweeper.)	.. .. .	..	..	..	..
Swingletree .. .. .	S. Docherty .. .. .	22806	7 May .. ..	56	27 June.*
Swingletree and pulley-frame .. .. .	H. Childs .. .. .	22857	21 May .. ..	..	..
Swingletree-coupling .. .. .	C. K. Turner .. .. .	21496	23 July, 1906	56	27 June.
Switch. (See Electric switch.)	.. .. .	..	..	..	..
Swivel-joint for windmill .. .. .	A. Dunn .. .. .	22818	14 May .. ..	51	13 June.*
Table, Dining- .. .. .	G. Hyde .. .. .	22950	6 June .. ..	62	11 July.*
Tailboard for tip-cart .. .. .	A. G. Monahan .. .. .	22680	12 April .. ..	44	16 May.*
Tail-holder .. .. .	A. Woodcock .. .. .	22709	18 April .. ..	48	30 May.
Tailing-instrument. (See Animal decou-dater.)	.. .. .	..	..	..	..
Tailors' hair-cloth .. .. .	E. Shaw .. .. .	22736	13 June, 1906†	51	13 June.

ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Tank. (See Septic tank.)					
Tap. (See Gas-tap, Water-tap.)					
Target .. .. .	G. Newman .. .. .	22523	7 March ..	41	2 May.
Tea-caddy .. .. .	J. F. Robertson .. .. .	23014	20 June ..	65	25 July.*
Tea-compound .. .. .	J. J. Cronin .. .. .	22847	17 May ..	..	..
Tea weighing and bagging machine .. .. .	T. Whitehorn .. .. .	21293	13 June, 1906	33	4 April.
Teat-cup .. .. .	W. H. Blackham .. .. .	22535	13 March ..	44	16 May.
Teat-cup .. .. .	F. W. Smith .. .. .	22695	16 April ..	41	2 May.*
Teat-cup .. .. .	W. H. Blackham .. .. .	22700	17 April ..	44	16 May.*
Teat-cup .. .. .	J. O'Connell .. .. .	22759	1 May ..	48	30 May.*
Teat-cup .. .. .	B. W. Benn .. .. .	22866	18 May ..	51	13 June.*
Teat-cup .. .. .	A. Gillies .. .. .	22939	4 June ..	56	27 June.*
Teat-cup .. .. .	J. J. Clark .. .. .	22957	5 June ..	56	27 June.*
Teat-cup .. .. .	A. Storrie .. .. .	22964	7 June ..	..	..
Teat-cup .. .. .	H. H. Kerr and F. J. G. Knight	23011	17 June ..	62	11 July.*
Teat-cup .. .. .	J. Burns .. .. .	23012	20 June ..	62	11 July.*
Teat-cup .. .. .	W. H. Blackham .. .. .	23034	24 June ..	65	25 July.*
Teat-cup .. .. .	J. Burns .. .. .	22972	12 June ..	62	11 July.*
Teat-cup pulsating-device .. .. .	H. H. Kerr .. .. .	22643	3 April ..	41	2 May.*
Teat-cup, Supplying air round .. .. .	T. E. Bridger .. .. .	21328	19 June ..	56	27 June.
Teeth-extracting, method and appliance .. .. .	G. Parrish .. .. .	22903	28 May ..	56	27 June.*
Telegraph-wire insulator .. .. .	F. R. Cotton .. .. .	22628	2 April ..	..	..
Telephone subscribers' list .. .. .	M. Moloney .. .. .	22896	25 May ..	51	13 June.*
Telephone-transmitter .. .. .					
Telephony. (See Wireless telephony.)					
Telephony .. .. .	J. and H. M. Copeland .. .. .	22586	23 March ..	44	16 May.*
Telephony .. .. .	J. and H. M. Copeland .. .. .	22587	23 March ..	44	16 May.*
Tell-tale, Machinery-wearing .. .. .	H. O. Ormiston and W. D. Martin	22743	24 April ..	56	27 June.
Tent and hammock .. .. .	F. W. Hellberg .. .. .	22394	4 Feb. ..	33	4 April.
Tester. (See Baled-goods tester, Moisture-tester.)					
Thread-holder in darning .. .. .	J. Burrows .. .. .	22584	20 March ..	44	16 May.*
Ticket-issuing machine .. .. .	A. E. Young and E. G. Kerr .. .. .	22578	21 March ..	41	2 May.
Tide-mill .. .. .	W. O. Webber .. .. .	23032	24 June ..	..	..
Time-recording register .. .. .	N. S. McNab and J. S. Link .. .. .	23024	22 June ..	..	..
Time-stamping telegrams, &c. .. .. .	J. F. and J. F. G. Rasmussen .. .. .	22978	10 June ..	65	25 July.*
Tip-cart, Tailboard for .. .. .	A. G. Monahan .. .. .	22680	12 April ..	44	16 May.*
Tip for chair-legs .. .. .	W. S. Cobham and H. H. Oxley .. .. .	22627	2 April ..	56	27 June.*
Tip-wagon .. .. .	D. J. Whelan .. .. .	22715	17 April ..	44	16 May.*
Tire .. .. .	E. B. Killen .. .. .	22061	15 Nov., 1906	51	13 June.
Tire .. .. .	D. W. McLean .. .. .	22563	20 March ..	41	2 May.*
Tire .. .. .	B. G. C. Stephens and B. G. Mahoney	22574	20 March ..	41	2 May.*
Tire .. .. .	J. Thomson .. .. .	22583	13 March ..	44	16 May.*
Tire .. .. .	A. J. Rowland .. .. .	22601	26 March ..	44	16 May.*
Tire .. .. .	W. J. Harvey and A. Hollingworth	22721	19 April ..	..	..
Tire .. .. .	A. W. Smith .. .. .	22856	20 May ..	65	25 July.*
Tire-cover, Motor-car .. .. .	W. H. Bird .. .. .	23065	29 June ..	65	25 July.*
Tire cover or protector .. .. .	H. L. Barker and G. W. Westropp	22960	10 June ..	56	27 June.*
Tire cover or protector .. .. .	W. Biddle .. .. .	22982	13 June ..	..	..
Tire, Ends-connector for .. .. .	F. L. Fortescue .. .. .	22878	23 May ..	65	25 July.
Tire-inflator .. .. .	W. A. Tomlinson .. .. .	22647	3 April ..	..	..
Tire, Motor-car .. .. .	F. Jones .. .. .	22735	24 April ..	44	16 May.*
Tire, Pump for motor-car .. .. .	J. I. Watson .. .. .	22832	16 May ..	51	13 June.*
Tire-protector .. .. .	T. S. Skeates .. .. .	22682	12 April ..	44	16 May.
Tire, Pneumatic .. .. .	J. and A. Burfoot .. .. .	21940	19 Oct., 1906	33	4 April.
Tire, Pneumatic .. .. .	H. W. Dover .. .. .	22728	18 May, 1906+	51	13 June.
Tire-protector .. .. .	J. Gordon .. .. .	22543	14 March ..	44	16 May.*
Tire-protector .. .. .	J. B. and J. J. Salmon .. .. .	22885	25 May ..	65	25 July.
Tire-pump for motor-cars .. .. .	J. I. Watson .. .. .	22832	16 May ..	51	13 June.*
Toaster and grill .. .. .	J. Austin .. .. .	21226	29 May, 1906	62	11 July.
Toe-clip, Bicycle-pedal .. .. .	L. H. Hicks and A. N. Cooke .. .. .	22701	17 April ..	44	16 May.*
Toe-clip, Bicycle-pedal .. .. .	P. Magnus .. .. .	22726	24 April ..	48	30 May.*
Toilet-cabinet .. .. .	J. Murdoch .. .. .	22559	19 March ..	41	2 May.*
Tomato-forcing house .. .. .	G. Turner .. .. .	21681	21 Aug., 1906	51	13 June.
Tongue for boots and shoes .. .. .	E. V. Featon .. .. .	22987	12 June ..	62	11 July.*
Totalisator apparatus .. .. .	M. Donaldson and W. G. Williams	22909	29 May ..	..	..
Totalisator .. .. .	D. M. Robertson .. .. .	23003	18 June ..	62	11 July.*
Traction-truck for agricultural machine .. .. .	R. Sylvester .. .. .	22673	11 April ..	48	30 May.*
Tram-rail cleaner .. .. .	A. J. Lamb .. .. .	22685	13 April ..	44	16 May.*
Tram-rail sweeper .. .. .	J. Christie .. .. .	21750	4 Sept., 1906	41	2 May.*
Tram-safeguard attachment .. .. .	H. Ffitch .. .. .	23020	21 June ..	65	25 July.*
Tramway-points, Operating, from car .. .. .	J. W. Wood and C. J. Ward .. .. .	22839	17 May ..	65	25 July.*
Transporting-apparatus for mines .. .. .	A. E. Davis, R. Meyer, F. H. Medhurst, and J. E. Ferrar	22949	5 June ..	65	25 July.
Transporting-apparatus for cargo .. .. .	A. Doig and E. A. Wilson .. .. .	23006	15 June ..	65	25 July.*
Trap. (See Bird-trap, Animal-trap, Rabbit-trap.)					
Travelling-trunk. (See Trunk.)					
Trolley-arm head and retriever .. .. .	N. I. Gooder .. .. .	23001	18 June ..	65	25 July.*
Trolley-pole .. .. .	A. Treadwell .. .. .	22739	25 April ..	48	30 May.*
Trolley-pole .. .. .	F. H. Cooper .. .. .	22768	2 May ..	48	30 May.
Trolley-pole .. .. .	C. Colpus .. .. .	22917	30 May ..	56	27 June.*

## ALPHABETICAL LIST OF INVENTIONS—continued.

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Trolley-pole controller .. ..	A. J. Edwards .. ..	21336	22 June, 1906	48	30 May.
Trolley-pole retriever .. ..	C. J. Johnson and G. Toogood ..	22817	14 May ..	51	13 June.*
Trolley-pole retriever .. ..	H. Owen .. ..	22977	12 June ..	..	..
Trolley-pole retriever .. ..	H. Owen .. ..	23016	20 June ..	62	11 July.*
Trotting horses, Attaching weights to hoofs .. ..	G. E. Noonan, A. P. F. Watson, and G. D. Watson .. ..	22836	16 May ..	65	25 July.
Truck. (See Traction-truck.)					
Trunk, Travelling- .. ..	W. W. Pearce .. ..	22861	21 May ..	51	13 June.*
Tube-mill lining .. ..	F. C. Brown .. ..	22689	11 April ..	41	2 May.*
Tube-mill lining .. ..	F. C. Brown .. ..	22864	17 June ..	62	11 July.
Tug. (See Shaft-tug.)					
Tunic. (See Shirt and tunic.)					
Turbine, Steam- .. ..	W. B. Miller .. ..	22777	6 May ..	56	27 June.*
Turnips, Composition for protecting, from flies .. ..	H. P. Lovatt .. ..	22975	12 June ..	..	..
Turbine for incompressible fluids .. ..	E. S. Rees .. ..	22588	19 March ..	41	2 May.
Turnstile, Counting and registering .. ..	S. C. Lee, N. A. Morkill, and Checkogram, Limited .. ..	22868	22 May† ..	..	..
Umbrella .. ..	R. B. Williams .. ..	22591	21 March ..	44	16 May.*
Unwinding barbed wire .. ..	C. Kendrick .. ..	22890	1 May ..	..	..
Urinals, Drawing off fumes from .. ..	T. Warner and J. Kannuluik .. ..	23008	19 June ..	62	11 July.*
Vacuum, Apparatus for creating and maintaining a .. ..	A. Manvers and H. Phillips .. ..	22781	4 May ..	65	25 July.
Vacuum apparatus. (See Air-exhauster.)					
Vacuum apparatus for milking. (See Teat-cup, Milking-machine, &c.)					
Vacuum-spaced wall, Vessel with .. ..	Thermos, Limited .. ..	23022	22 June ..	..	..
Valve-cap holder .. ..	G. Hutchinson .. ..	22833	16 May ..	56	27 June.*
Valve for water-pipes, &c. .. ..	P. J. Brown .. ..	21412	4 July, 1906	51	13 June.
Valve-gear for engines .. ..	A. E. Usherwood and W. H. Hanlon .. ..	22645	4 April ..	41	2 May.*
Vehicle, Convertible .. ..	Chipman, Limited .. ..	22809	11 May ..	65	25 July.
Vehicle-spring .. ..	P. J. McGinn .. ..	22516	6 March ..	41	2 May.
Vehicle-wheel .. ..	F. Bottrill .. ..	22696	17 April ..	41	2 May.*
Venetian-blind, Operating .. ..	F. C. Thompson .. ..	22814	13 May ..	62	11 July.
Ventilator. (See Window-ventilator.)					
Vermis-fumigator for ships .. ..	G. Harker .. ..	22825	15 May ..	..	..
Vessel. (See Paper vessel.)					
Vessel, Vacuum-spaced wall .. ..	Thermos, Limited .. ..	23022	22 June ..	..	..
Voting-machine .. ..	W. Madder .. ..	21213	28 May, 1906	48	30 May.
Wagon. (See Tip-wagon.)					
Wall-construction .. ..	W. Tyree .. ..	22872	22 May ..	51	13 June.*
Walls, Interlocking .. ..	G. Clark .. ..	22876	22 May ..	..	..
Wardrobe .. ..	R. Weir .. ..	22687	10 April ..	48	30 May.
Wardrobe .. ..	R. Weir .. ..	22688	10 April ..	48	30 May.
Washing. (See Clothes-washing, Bottle-washing.)					
Water and gas tap .. ..	A. Fischer .. ..	22668	10 April ..	51	13 June.
Water-heater .. ..	W. H. Jordan .. ..	20708	12 Feb., 1906	48	30 May.
Water-heater .. ..	W. D. Martin and N. M. Thomson .. ..	20891	21 Mar., 1906	33	4 April.
Water-heater .. ..	H. G. Kettle .. ..	22238	22 Dec., 1906	33	4 April.*
Water-heater. (See also Bath-heater.)					
Water-heating vessel .. ..	A. Fischer .. ..	22666	10 April ..	48	30 May.
Water-jacketed flue for stoves .. ..	G. C. W. Morris .. ..	22961	6 June ..	..	..
Water lifting or raising apparatus .. ..	H. Weatherall .. ..	22843	15 May ..	56	27 June.*
Water-proofing fabrics .. ..	E. A. Dahl .. ..	22782	8 May ..	48	30 May.*
Water-proofing floors and roofs .. ..	W. Baldwin .. ..	22734	24 April ..	56	27 June.
Water-tank and cream-cooling vat .. ..	J. B. McEwan .. ..	22914	29 May ..	..	..
Water-tap .. ..	R. Murray .. ..	22863	21 May ..	62	11 July.*
Water-tube steam-boiler .. ..	W. H. Hammond .. ..	21640	16 Aug., 1906	48	30 May.
Water-tube boiler .. ..	Waddell and Sons .. ..	23013	20 June ..	..	..
Water-wheel .. ..	W. Morton .. ..	22901	25 May ..	56	27 June.*
Water wheel or motor .. ..	J. Baird .. ..	22670	8 April ..	44	16 May.*
Wearing-down-of-machinery indicator .. ..	H. O. Ormiston and W. D. Martin .. ..	22743	24 April ..	56	27 June.
Weatherboard-joint .. ..	W. Evans and D. Y. Cunningham .. ..	22362	28 Jan. ..	56	27 June.
Well-fire grate. (See Grate.)					
Weighing-machine, Tea, flour, &c. .. ..	T. Whitehorn .. ..	21293	13 June, 1906	33	4 April.
Wheel-chock .. ..	W. Floessel .. ..	22769	2 May ..	56	27 June.*
Wheel, Motor-vehicle .. ..	G. D. Ross .. ..	22671	9 April ..	51	13 June.
Wheel, Pneumatic .. ..	J. and A. Burfoot .. ..	21940	19 Oct., 1906	33	4 April.
Wheel, Resilient .. ..	T. J. McBride .. ..	22947	5 June ..	65	25 July.
Wheel, Vehicle- .. ..	F. Bottrill .. ..	22696	17 April ..	41	2 May.*
Wheel, Vehicle- .. ..	H. Thompson .. ..	22749	29 April ..	51	13 June.*
Wheel. (See also Water-wheel, Pelton wheel.)					
Wick. (See Lamp-wick.)					
Windmill, Swivel-joint for .. ..	A. Dunn .. ..	22818	14 May ..	51	13 June.*
Windmill .. ..	F. H. Jackson and R. Pierce .. ..	23052	26 June ..	65	25 July.*
Window-blind bracket .. ..	F. C. Thompson .. ..	22646	5 April ..	41	2 May.*
Window-blind, Securing, to rollers .. ..	J. L. Thompson .. ..	22042	4 June ..	..	..
Window-frame .. ..	T. Mitchell .. ..	22837	16 May ..	..	..

ALPHABETICAL LIST OF INVENTIONS—*continued.*

Invention.	Name.	Application.		Gazette.	
		No.	Date.	No.	Date.
Window-sash .. .. .	J. O. Galbally .. .. .	21380	29 June, 1906	48	30 May.
Window-sash .. .. .	N. W. Frogley .. .. .	22803	10 May .. .. .	62	11 July.
Window-sash balance .. .. .	J. Nerén and Rhedin Goldkuhl and Co.	22875	22 May .. .. .	65	25 July.
Window-sash fastener .. .. .	D. Mulcahy .. .. .	22937	4 June .. .. .	..	27 June.*
Window-sash hanger and fastener .. .. .	A. L. J. Tait .. .. .	23062	25 June .. .. .	..	..
Window-sash lifter and lock .. .. .	T. E. Carter .. .. .	22882	20 May .. .. .	56	27 June.*
Window-ventilator .. .. .	J. W. M. Harrison .. .. .	22956	7 June .. .. .	62	11 July.*
Wire. (See Barbed wire, Fencing-wire.)					
Wire-coiler .. .. .	E. Hayes .. .. .	22860	21 May .. .. .	..	..
Wire-drawing drum .. .. .	J. A. Horton .. .. .	22664	14 Apr., 1906†	..	..
Wire for boot-fastenings, Construction of	United Shoe Machinery Company	22661	10 April .. .. .	41	2 May.*
Wire mattress and bed-rest .. .. .	D. McKenzie .. .. .	22618	25 March .. .. .	48	30 May.*
Wire-mattress bed .. .. .	J. Whitehouse .. .. .	22580	21 March .. .. .	44	16 May.
Wire-netting holder .. .. .	D. Beckett .. .. .	22659	10 April .. .. .	44	16 May.*
Wire-strainer .. .. .	R. Pierce .. .. .	22779	6 May .. .. .	51	13 June.
Wire-strainer .. .. .	W. Edgar .. .. .	22838	16 May .. .. .	51	13 June.*
Wire-strainer .. .. .	W. E. Hunter .. .. .	22929	1 June .. .. .	..	..
Wire-strainer .. .. .	W. E. Hunter .. .. .	22993	15 June .. .. .	..	..
Wood-splitter .. .. .	J. Bryson .. .. .	23017	17 June .. .. .	65	25 July.*
Wrench for fishplate-nuts .. .. .	J. A. Yule .. .. .	22102	20 Nov., 1906	36	18 April.*
Wireless telephony .. .. .	E. N. Waters .. .. .	22824	15 May .. .. .	56	27 June.
Yeast-making .. .. .	L. Friedenreich .. .. .	21339	22 June, 1906	62	11 July.
Zinc-ores, Treatment of .. .. .	A. H. Imbert .. .. .	22213	23 April, 1906†	41	2 May.
Zinc-ores, Treatment of .. .. .	H. L. Sulman .. .. .	22800	10 May .. .. .	51	13 June.

List of Applicants for Registration of Trade Marks.

ALPHABETICAL list of applicants for registration of trade marks for quarter ending 30th June, 1907 (including also applications lodged prior to but gazetted during the quarter).

Name.	Address.	Class.	Application.		Gazette.	
			No.	Date.	No.	Date.
Abdulla and Co., Limited .. .. .	London, Eng. .. .. .	45	6608	2 May .. .. .	44	16 May.
Agricultural and Pastoral Food Company, Limited	Wellington, N.Z. .. .. .	2	6602	29 April .. .. .	44	16 May.
Agricultural and Pastoral Food Company, Limited, The	Wellington, N.Z. .. .. .	3, 42	6603, 4	29 April .. .. .	48	30 May.
Aktiebolaget Separator .. .. .	Stockholm, Sweden .. .. .	7	6011	13 June, 1906	44	16 May.
American Pad and Textile Company	Greenfield, U.S.A. .. .. .	11	6751	26 June .. .. .	62	11 July.
Ashford, Brooks, and Co. (See F. and T. Brooks.)						
Atkins Bros. .. .. .	Hinckley, Eng. .. .. .	38	6673	22 May .. .. .	..	..
Aulsebrook and Co. .. .. .	Christchurch, N.Z. .. .. .	42	6591	24 April .. .. .	..	..
Aulsebrook and Co. .. .. .	Christchurch, N.Z. .. .. .	42	6599	26 April .. .. .	..	..
Aulsebrook and Co. .. .. .	Christchurch, N.Z. .. .. .	42	6627	4 May .. .. .	48	30 May.
Aulsebrook and Co. .. .. .	Christchurch, N.Z. .. .. .	42	6592	24 April .. .. .	48	30 May.
Aulsebrook and Co. .. .. .	Christchurch, N.Z. .. .. .	42	6626	4 May .. .. .	..	..
Baldwins, Limited .. .. .	Wilden, Eng. .. .. .	5	6650, 1, 2	16 May .. .. .	..	..
Baldwins, Limited .. .. .	Wilden, Eng. .. .. .	5	6653, 4, 5, 6	16 May .. .. .	48	30 May.
Barratt Manufacturing Company	New York, U.S.A. .. .. .	17	6691, 2	8 June .. .. .	62	11 July.
Bennett, H. M. .. .. .	Dannevirke, N.Z. .. .. .	48	6571	17 April .. .. .	41	2 May.
Berry and Co., H. .. .. .	Christchurch, N.Z. .. .. .	42	6645	14 May .. .. .	48	30 May.
Blackham, W. H. .. .. .	Melbourne, Vic. .. .. .	7	6596	25 April .. .. .	44	16 May.
Blaydes, H. S. .. .. .	Sydney, N.S.W. .. .. .	1	6579	17 April .. .. .	41	2 May.
Blaydes and Co., H. S. (See H. S. Blaydes.)						
Boehm, G. .. .. .	Offenbach, Main, Germany, and London, Eng.	48	6680	29 May .. .. .	51	13 June.
Bolitho, H. .. .. .	Auckland, N.Z. .. .. .	45	6638	11 May .. .. .	51	13 June.
Booth, J. .. .. .	Birmingham, Eng. .. .. .	13	6402	2 Jan. .. .. .	41	2 May.
Booth and Co., S. (See J. Booth.)						
Bowie and Co., R. .. .. .	Timaru, N.Z. .. .. .	42	6342	16 Nov., 1906	41	2 May.
Brewers' Bottle Association of New South Wales	Sydney, N.S.W. .. .. .	15	6723	25 June .. .. .	..	..
British Xylonite Company, Limited	London, Eng. .. .. .	38, 50	6582, 3	18 April .. .. .	41	2 May.
Broad and Tristram .. .. .	Napier, N.Z. .. .. .	2	6631	6 May .. .. .	44	16 May.
Brooke and Sons, C. M. .. .. .	Melbourne, Vic., and Christchurch, N.Z.	3	6698	12 June .. .. .	..	..
Brooks, F. and T. .. .. .	Birmingham and London, Eng.	14	6573	17 April .. .. .	41	2 May.
Buchanan-Foster Company	Philadelphia, U.S.A. .. .. .	50	6368	5 Dec, 1906	33	4 April.
Burroughs, Wellcome, and Co. (See H. S. Burroughs.)						

## ALPHABETICAL LIST OF APPLICANTS FOR REGISTRATION OF TRADE MARKS—continued.

Name.	Address.	Class.	Application.		Gazette.	
			No.	Date.	No.	Date.
Cadbury Bros., Limited .. ..	Wellington, N.Z. ..	42	6697	11 June ..	..	..
Canterbury Central Co-operative Dairy Company, Limited	Addington, N.Z. ..	42	6658	20 May ..	48	30 May.
Carborundum Company, The	Niagara Falls, U.S.A. ..	..	6714, 5	22 June ..	..	..
Cartland and Son, Limited, J.	Birmingham, Eng. ..	..	6716	22 June ..	..	..
Colman, Limited, J. and J.	Norwich and London, Eng.	42	6681	29 May ..	65	25 July.
Colgate and Co. .. ..	New York, U.S.A. ..	3, 47, 48	6639, 40, 1	11 May ..	48	30 May.
Colonial Cordage Company, The	Dunedin, N.Z. ..	50	6700, 1	15 June ..	56	27 June.
Columbia Phonograph Company (Gen'l.)	New York, U.S.A. ..	8	6623	2 May ..	..	..
Courtney, E. E. .. ..	Christchurch, N.Z. ..	42	6657	17 May ..	51	13 June.
Crichton, W. .. ..	Onehunga, N.Z. ..	42	6629	6 May ..	..	..
Davies, Limited, W. T. .. ..	Auckland, N.Z. ..	38	5923	30 April, 1906	56	27 June.
Davies, Limited, W. T. .. ..	Auckland, N.Z. ..	38	6702, 3	18 June ..	56	27 June.
Dawson and Son, Limited, J.	Lincoln, Eng. ..	25	6609	2 May ..	44	16 May.
De Stearine Kaarsenfabriek	Gonda, Gonda, Holland	47	6674	22 May ..	..	..
Dunz, W. .. ..	Granville, Eng. ..	50	6556	2 April ..	41	2 May.
Empire Tea Company. (See W. and G. Turnbull and Co.)						
English and Colonial Patents and Trading Company, Limited	Wellington, N.Z. ..	1	6540	19 March ..	41	2 May.
Ferguson, S. N. .. ..	Sydney, N.S.W. ..	..	6683	29 May ..	..	..
Feustell Nf. F. .. ..	Altona, Germany ..	3	6555	4 April ..	..	..
Field and Co., Fruit-merchants, Limited	London, Eng. ..	42	6588	22 April ..	41	2 May.
Fleming and Co., Limited	Gore, N.Z. .. ..	42	6643	13 May ..	48	30 May.
Foster. (See Buchanan-Foster.)						
Frankish, E. H., and another	Christchurch, N.Z. ..	50	6705	18 June ..	56	27 June.
Galena-Signal Oil Company	Franklin, U.S.A. ..	47	6557	5 April ..	36	18 April.
Gilmour, G. R. S. .. ..	Wellington, N.Z. ..	50	6559	10 April ..	41	2 May.
Gilmour, G. R. S. .. ..	Wellington, N.Z. ..	50	6560	10 April ..	..	..
Gourock Rope-work Company, Limited, The	Sydney, N.S.W. ..	27	6159, 60	5 Sept., 1906	44	16 May.
Gramophone and Typewriter, Limited, The	London, Eng. ..	8	6717, 8, 9	22 June ..	62	11 July.
Great Northern Brewery, Limited, The	Auckland, N.Z. ..	43	6708, 9, 10	20 June ..	56	27 June.
Greenlees Bros. .. ..	London, Eng.; Glasgow and Argyllshire, Scot.	43	6565	11 April ..	36	18 April.
Gregg and Co., Limited, W. ..	Dunedin, N.Z. ..	42	6624	2 May ..	48	30 May.
Gregg and Co., Limited, W. ..	Dunedin, N.Z. ..	42	6625	2 May ..	56	27 June.
Grimshaw, J. G. C. .. ..	Linwood, N.Z. ..	50	6590	24 April ..	65	25 July.
Grove. (See, Le Grove.)						
Hall and Co., T. H. .. ..	Auckland, N.Z. ..	38, 42, 47, 50	6147, 8, 9, 50	30 Aug., 1906	36	18 April.
Hall and Co., Limited, M. ..	Sheffield, Eng. ..	14	6341	16 Nov., 1906	36	18 April.
Hall, R., and another .. ..	Wellington, N.Z. ..	42	6585	19 April ..	41	2 May.
Halle, K. .. ..	Palmerston North, N.Z.	48	6712	21 June ..	62	11 July.
Harman and Frankish. (See H. T. de R. Harman and E. H. Frankish.)						
Harman, H. T. de R., and another	Christchurch, N.Z. ..	50	6705	18 June ..	56	27 June.
Hasell, A. H. .. ..	Melbourne, Vic. ..	2	6679	29 May ..	..	..
Hawkins, C. W. .. ..	Dunedin, N.Z. ..	48	6759	29 June ..	62	11 July.
Haworth and Co., Limited, K.	Manchester, Eng. ..	24	6684	30 May ..	51	13 June.
Hayman and Co., P. .. ..	Wellington, N.Z. ..	3, 48	6566, 7	11 April ..	36	18 April.
Healey, A. .. ..	Dunedin, N.Z. ..	42	6630	6 May ..	44	16 May.
Hearne, W. G. .. ..	Geelong, Vic. ..	3	6607	1 May ..	44	16 May.
Hendy, A. M. .. ..	Dunedin, N.Z. ..	48	6570	15 April ..	41	2 May.
Hoffmann, Limited .. ..	Auckland, N.Z. ..	9	6711	20 June ..	..	..
Holbrooks, Limited .. ..	Birmingham, Eng. ..	42	6594	24 April ..	..	..
Horton's American Manufacturing Company. (See H. Savage and H. A. Wright.)						
Hovis Bread-flour Company, Limited	..	42	6693	8 June ..	..	..
Imperial Manufacturing Company. (See R. Hall and H. Lawrence.)						
Jensen, C. N., and another	Dannevirke, N.Z. ..	50	6349	22 Nov., 1906	33	4 April.
Judd and Bros., Limited, G. M.	London, Eng. ..	47	6561	10 April ..	36	18 April.
Kynoch, Limited .. ..	Witton, Eng. ..	20	6637	8 May ..	44	16 May.
Lawrence, H., and another	Wellington, N.Z. ..	42	6585	19 April ..	41	2 May.
Le Grove and Laurence Company, Limited, The	Wellington, N.Z. ..	39	6606	29 April ..	44	16 May.
Lever Bros., Limited .. ..	Balmain, N.S.W. ..	3	6661	22 May ..	48	30 May.
Lever Bros., Limited .. ..	Balmain, N.S.W. ..	42	6662, 5	22 May ..	48	30 May.

ALPHABETICAL LIST OF APPLICANTS FOR REGISTRATION OF TRADE MARKS—continued.

Name.	Address.	Class.	Application.		Gazette.	
			No.	Date.	No.	Date.
Lever Bros., Limited	Balmain, N.S.W.	47	6663, 8, 9, 71	22 May	48	30 May.
Lever Bros., Limited	Balmain, N.S.W.	48	6664, 6	.. ..	..	..
Lever Bros., Limited	Balmain, N.S.W.	47	6667	22 May	..	..
Lever Bros., Limited	Balmain, N.S.W.	47	6670	22 May	62	11 July.
Lewis, J.	Greytown, N.Z.	13	6686	31 May	51	13 June.
Lilly, D.	Bulls, N.Z.	47	6628	6 May	44	16 May.
Lloyd, R. H.	Auckland, N.Z.	13, 18	6635, 6	8 May	44	16 May.
Lock, F. C.	Waipawa, N.Z.	3	6757	28 June	62	11 July.
Lucas, Limited, J.	Birmingham, Eng.	13	6682	29 May	51	13 June.
Lysaght, Limited, J.	Bristol, Eng.	5	6223	24 Sept., 1906	44	16 May.
Maling and Co., Limited	Christchurch, N.Z.	43	6660	20 May	56	27 June.
Maréchal Ruchon and Co., Limited	London, Eng.; Paris, France	50	6587	22 April	41	2 May.
Martin Hall and Co., Limited	Sheffield, Eng.	14	6341	16 Nov., 1906	36	18 April.
Martini and Rossi	Turin, Italy	43	6558	10 April	56	27 June.
Mason and Co., Limited, G.	London, Eng.	42	6752	26 June	..	..
McDowell and Co., T.	Wellington, N.Z.	50	6706	19 June	56	27 June.
Morris, T.	Dunedin, N.Z.	3	6758	29 June	..	..
Mount Lyell Mining and Railway Company, Limited, The	Melbourne, Vic.	2	6572	17 April	..	..
Murray, Roberts, and Co.	Dunedin, N.Z.	46	6677	27 May	56	27 June.
Nederlandsche Gist-en Spiritusfabriek	Delft, Netherlands	43	6580	17 April	..	..
Nederlandsche Gist-en Spiritusfabriek	Delft, Netherlands	43	6685	30 May	..	..
Neil, J. G.	Dunedin, N.Z.	42, 44	6600, 1	29 April	44	16 May.
Neill and Co., Limited	Christchurch, N.Z.	42	6568, 9	13 April	41	2 May.
Neill and Co., Limited	Christchurch, N.Z.	42	6581	18 April	41	2 May.
Neill and Co., Limited	Christchurch, N.Z.	42	6659	20 May	48	30 May.
Neill and Co., Limited	Christchurch, N.Z.	42	6720	24 June	62	11 July.
Nelson, Moate, and Co., Limited	Wellington, N.Z.	42	6721	24 June	62	11 July.
Nelson, Moate, and Co., Limited	Wellington, N.Z.	42	6722	24 June	..	..
Netherlands Distilleries. (See Nederlandsche Gist-en Spiritusfabriek.)						
New Home Sewing Machine Company, The	Orange, U.S.A.	6	6610	2 May	44	16 May.
Newton and Son, Limited, J.	Kaiwarra, N.Z.	47	6646	14 May	48	30 May.
Newton and Son, Limited, J.	Kaiwarra, N.Z.	47	6694	8 June	56	27 June.
New Zealand Portland Cement Company, Limited, The	Auckland, N.Z.	17	6675	22 May	56	27 June.
Orr and Co., J. B. (See The Silicate Paint Company (J. B. Orr and Co.), Limited)						
Paling and Co., Limited, W. H.	Sydney, N.S.W.	9	6502	21 Feb., 1907	44	16 May.
Paling and Co., Limited, W. H.	Sydney, N.S.W.	9	6750	26 June	62	11 July.
Paraffine Paint Company, The	San Francisco, U.S.A.	17	6648, 9	16 May	48	30 May.
Parr and Sons, T.	Waikumete, N.Z.	42	6632	6 May	56	27 June.
Patent File and Tool Company, Limited, The	London, Eng.	12	6634	8 May	44	16 May.
Peabody and Co., H. W.	Sydney, N.S.W.	24	6713	22 June	62	11 July.
Phillips and Sons, G.	London, Eng.	45	6563, 4	10 April	..	..
Plunkett, R.	Dublin, Ireland	42	6672	22 May	65	25 July.
Plunkett Bros. (See R. Plunkett.)						
Plymel Enamel Company, Limited	Sydney, N.S.W.	1	6699	13 June	62	11 July.
Postum Cereal Company, Limited	Michigan, U.S.A.	42	6541	20 March	44	16 May.
Potter Drug and Chemical Corporation	Boston, U.S.A.	3	6753, 4, 5, 6	27 June	..	..
Potter, W. H.	Auckland, N.Z.	38	6584	19 April	44	16 May.
Powell Bros. and Co.	London, Eng.	42	6633	8 May	44	16 May.
Reade, C. C., and another..	Dannevirke, N.Z.	50	6349	22 Nov., 1906	33	4 April.
Resch's, Limited	Redfern, N.S.W.	43	6595	25 April	41	2 May.
Resch's, Limited	Redfern, N.S.W.	43	6642	11 May	..	..
Rey, A. L.	Barcelona, Spain	43	6614, 5, 7, 8	2 May	44	16 May.
Rey, A. L.	Barcelona, Spain	48	6622	2 May	65	25 July.
Rey, A. L.	Barcelona, Spain	43	6611, 2, 3, 20, 1	2 May	65	25 July.
Rey, A. L.	Barcelona, Spain	48	6616, 9	..	44	16 May.
Roberts and Bettridge	Christchurch, N.Z.	50	6689	5 June	51	13 June.
Rubberised Leather and Tire Company, Limited	Melbourne, Vic.	37	6329	8 Nov., 1906	41	2 May.
Russell, C. L.	Melbourne, Vic.	2	6688	1 June	..	..
Sargood, Son, and Ewen	Wellington, N.Z.	24	6589	22 April	41	2 May.
Sargood, Son, and Ewen	Dunedin, N.Z.	12, 13, 14, 16, 23, 24, 25, 26, 27, 29, 31-41, 45, 8, 9, 50	6725-49	26 June	62	11 July.

ALPHABETICAL LIST OF APPLICANTS FOR REGISTRATION OF TRADE MARKS—*continued.*

Name.	Address.	Class.	Application.		Gazette.	
			No.	Date.	No.	Date.
Savage, H., and another .. ..	Wellington, N.Z. .. ..	47	6690	7 June .. ..	..	..
Schweppes, Limited .. ..	Sydney, N.S.W. .. ..	44	6574, 5	17 April .. ..	41	2 May.
Schweppes, Limited .. ..	Sydney, N.S.W. .. ..	44	6576, 7, 8	17 April .. ..	65	25 July.
Sheldon, H. H. .. ..	Dunedin, N.Z. .. ..	50	6678	28 May .. ..	..	..
Sheldon and Co. (See H. H. Sheldon.)	Charlton and London, Eng.	1	6438	23 Jan. .. ..	41	2 May.
Silicate Paint Company (J. B. Orr and Co.), Limited, The	London, Eng. .. ..	50	6593	24 April .. ..	41	2 May.
Simmonds, A. G. .. ..	Wellington South, N.Z. ..	43	6509	27 Feb. .. ..	51	13 June.
Simmonds and Osborne .. ..	Auckland, N.Z. .. ..	42	6597	25 April .. ..	..	..
Smeeton, Limited, H. M. .. ..	Christchurch, N.Z. .. ..	50	6562	10 April .. ..	41	2 May.
Smith and Smith .. ..	Philadelphia, U.S.A. .. ..	38	6294	24 Oct., 1906	48	30 May.
Stearine. (See De Stearine.)	Invercargill, N.Z. .. ..	42	6598	26 April .. ..	56	27 June.
Stetson Company, J. B. .. ..	Melbourne, Vic. .. ..	9	6704	18 June .. ..	56	27 June.
Stirling, W. N. .. ..	Invercargill, N.Z. .. ..	42	6696	10 June .. ..	56	27 June.
Sutton, H. .. ..	Wellington, N.Z. .. ..	42	6586	20 April .. ..	44	16 May.
Todd and Co., W. .. ..	Wellington, N.Z. .. ..	42	6707	19 June .. ..	62	11 July.
Turnbull and Co., W. and G. ..	New York, U.S.A. .. ..	5	6676	27 May .. ..	..	..
Turnbull and Co., W. and G. ..	Harburg - on - the - Elbe, Germany	11, 40, 49, 50	6167, 8, 9, 70	11 Sept., 1906	56	27 June
United States Steel Products Export Company	Auckland, N.Z. .. ..	16	6644	13 May .. ..	48	30 May.
Vereinigte Gummiwaaren - Fabriken Harburg - Wien vormals J. N. Reithoffer	Melbourne, Vic. .. ..	6	6724	26 June .. ..	62	11 July.
Wade, G., and another .. ..	Auckland, N.Z. .. ..	47	5815	3 Mar., 1906	36	18 April.
Ward Bros. (See G. Ward.)	London, Eng., and Sydney, N.S.W.	3	6324	8 Nov., 1906	48	30 May.
Ward, G. .. ..	Christchurch, N.Z. .. ..	4	6695	10 June .. ..	56	27 June.
Warnock Bros. .. ..	Auckland, N.Z. .. ..	16	6644	13 May .. ..	48	30 May.
Wellcome, H. S. .. ..	Wellington, N.Z. .. ..	42	6605	29 April .. ..	44	16 May.
Westport - Stockton Coal Company, Limited	Elberfeld, Germany .. ..	43	6647	15 May .. ..	48	30 May.
White, E. C., and another .. ..	Christchurch, N.Z. .. ..	50	6687	31 May .. ..	51	13 June.
Whittem, W. P. .. ..	Wellington, N.Z. .. ..	47	6690	7 June .. ..	..	..
Wicküler Kupper Brauerei Actien-Gesellschaft	Wellington, N.Z. .. ..	47	6690	7 June .. ..	..	..
Wiggs, L. H. R. .. ..	Wellington, N.Z. .. ..	47	6690	7 June .. ..	..	..
Wright, H. A., and another .. ..	Wellington, N.Z. .. ..	47	6690	7 June .. ..	..	..

*List of Applicants for Registration of Designs.*

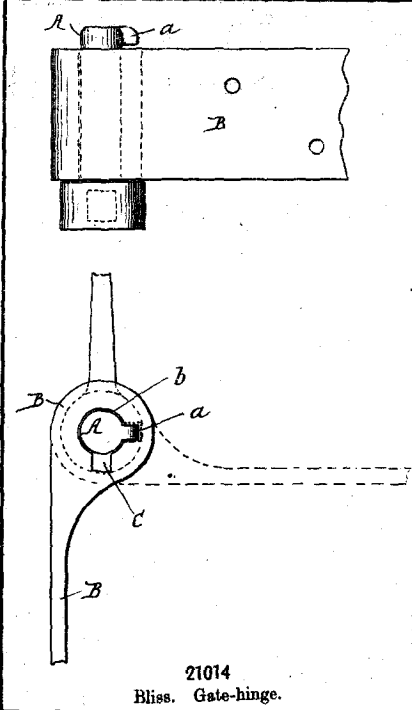
## ALPHABETICAL list of applicants for registration of designs for quarter ending 30th June, 1907.

Name.	Address.	Class.	Application.		Gazette.	
			No.	Date.	No.	Date.
Alexander, J. .. ..	New York, U.S.A. .. ..	1	927	24 June .. ..	56	27 June.
Andrews, Z. D. .. ..	Wellington, N.Z. .. ..	1	924	4 May .. ..	44	16 May.
Grapes, G. H. .. ..	Wellington, N.Z. .. ..	5	321	13 April .. ..	41	2 May.
Levinge, H. M. .. ..	Okato, N.Z. .. ..	3	926	20 May .. ..	56	27 June.
MacDougall, W. H. .. ..	Christchurch, N.Z. .. ..	3	923	2 May .. ..	44	16 May.
Nonpareil Cycle and Motor Company	(See C. S. and E. S. Pees).	1	322	20 April .. ..	41	2 May.
Pees, C. S. and E. S. .. ..	Wellington, N.Z. .. ..	3	319, 320	10 April .. ..	36	18 April.
Wallace, J. P. .. ..	Windsor, Vic. .. ..	3	319, 320	10 April .. ..	36	18 April.
Whitcombe & Tombs (Limited) ..	Christchurch, N.Z., &c... ..	5	925	9 May .. ..	14	16 May.

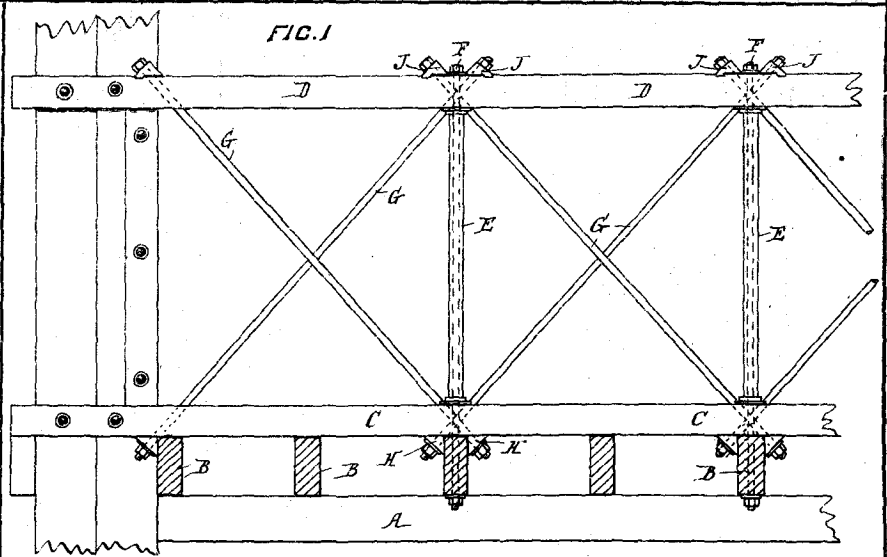


# ILLUSTRATIONS OF INVENTIONS.

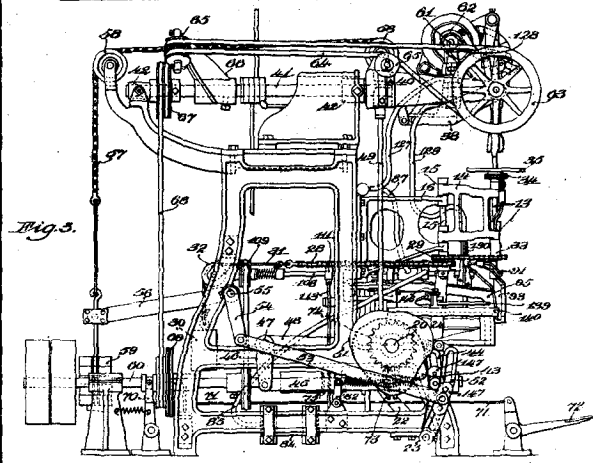
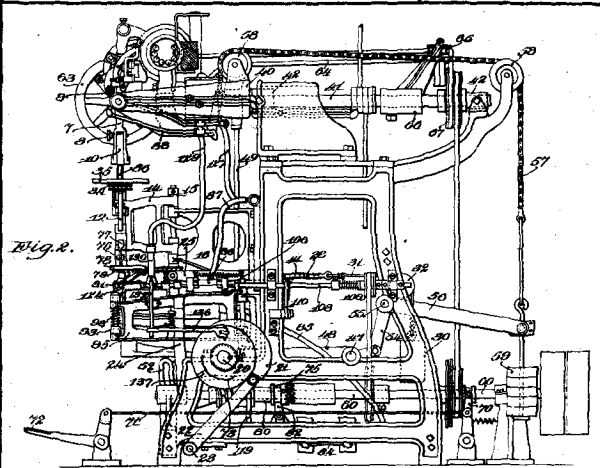
[These illustrations refer to the complete specifications accepted, and advertised in this *Gazette*.]



21014  
Bliss. Gate-hinge.



21176  
Dawson. Bridge.



21427  
United Shoe Machinery Coy. Boot Machinery. (Winkley.)

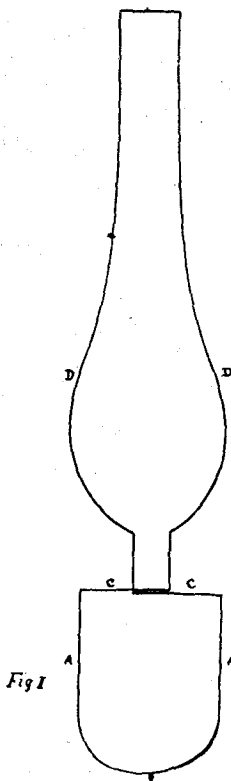
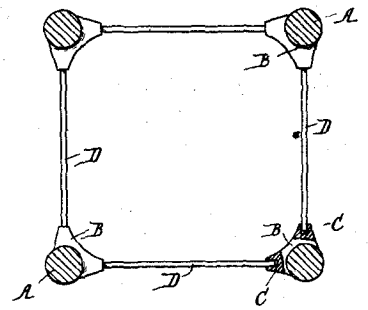
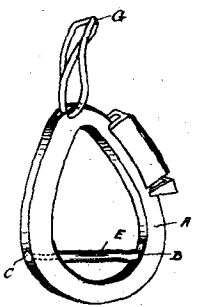


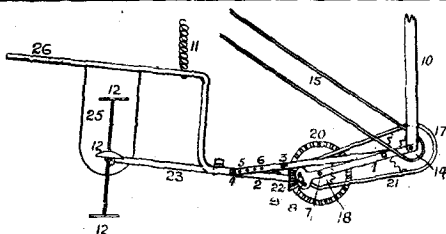
Fig 1  
21696  
McLaurin. Lamp-glass Cleaner.



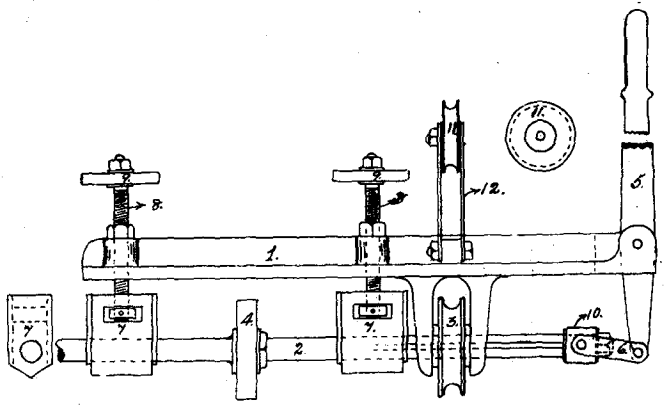
21542  
Massey. Concrete-pile Frame.



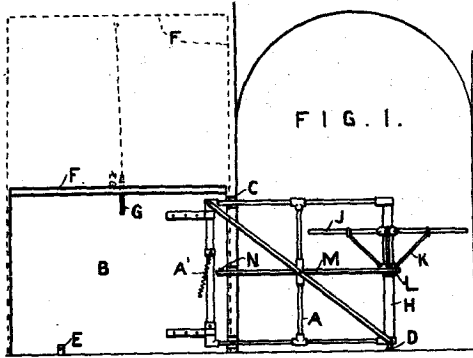
21745  
Patterson and Jones. Tug.



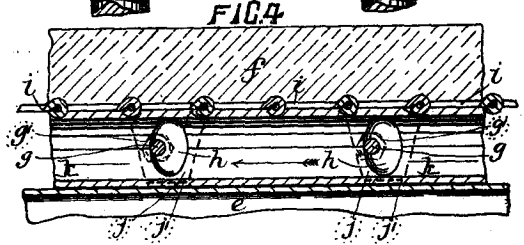
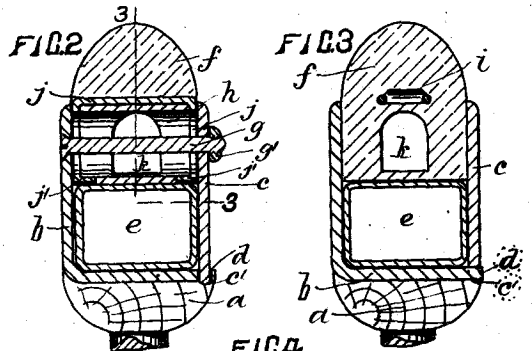
21558  
Orr. Turnip-thinner.



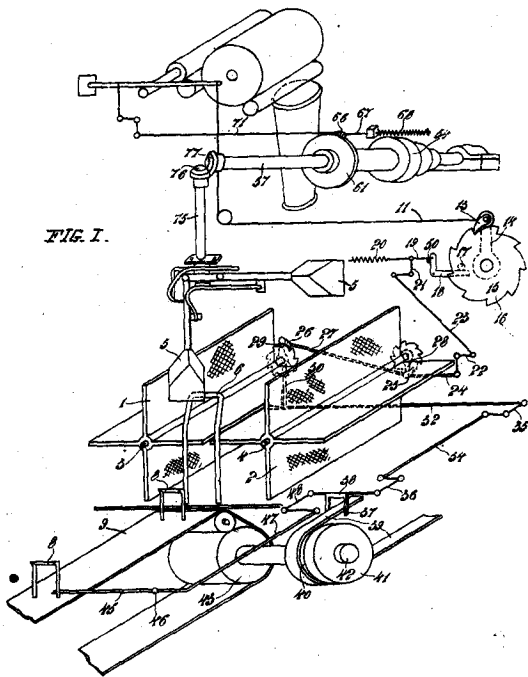
21581  
Crosbie. Flax Roller Grinder.



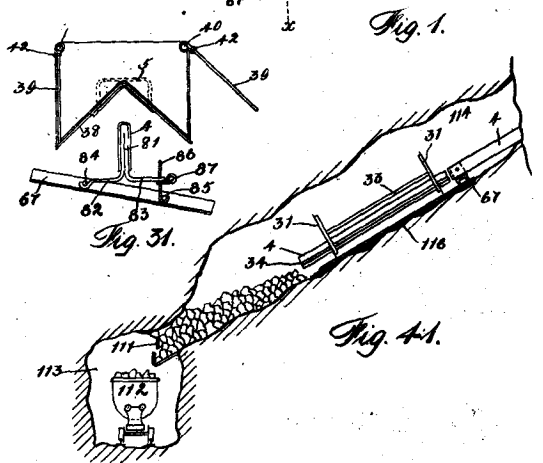
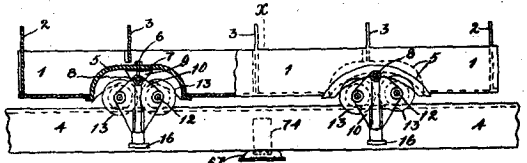
21158  
Gabriel. Turnstile.



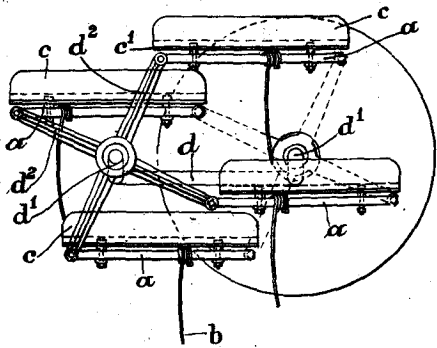
22947  
McBride. Vehicle-wheel.



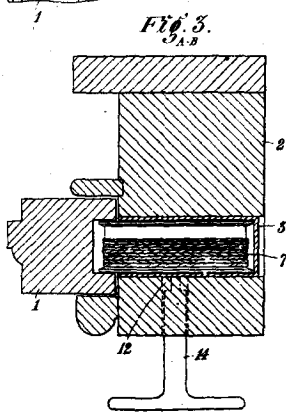
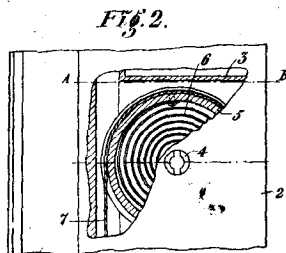
23103  
Merrett. Flax-dresser.



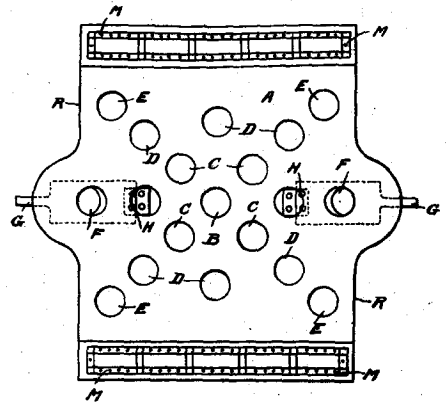
22949  
Davis, Meyer, Medhurst, and Ferrar. Transporter.



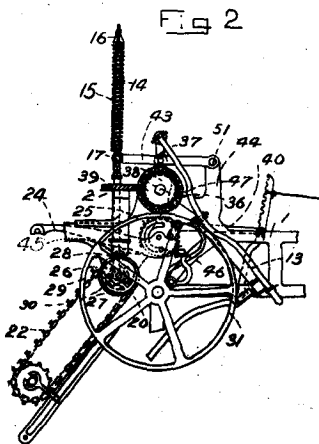
22973  
Martin. Rake.



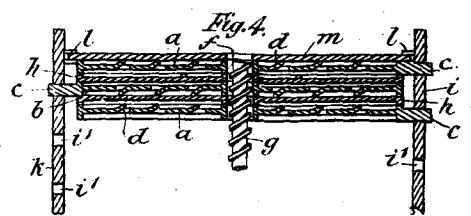
22875  
Nerén and Rhedin Goldkuhl and Co.  
Sash-balance.



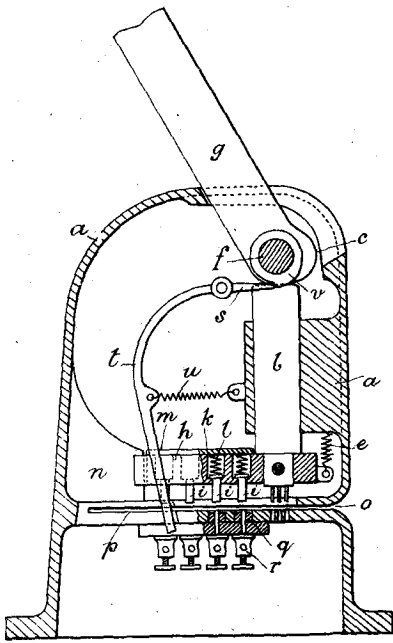
23058  
Hutchinson. Game.



22966  
Glendinning and Beaumont. Loom.

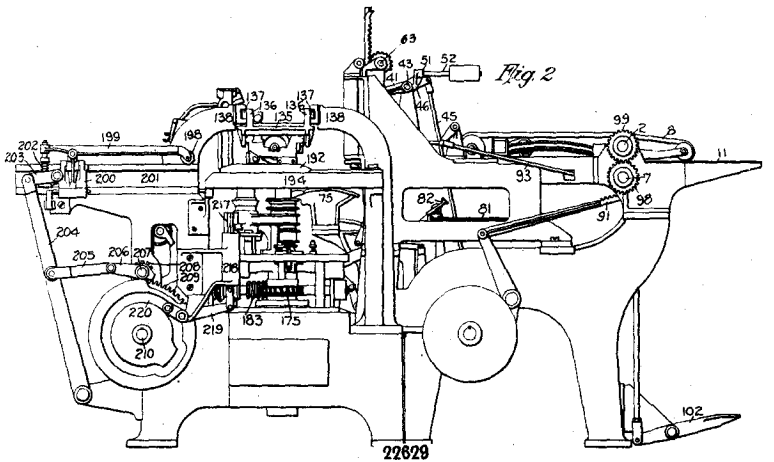
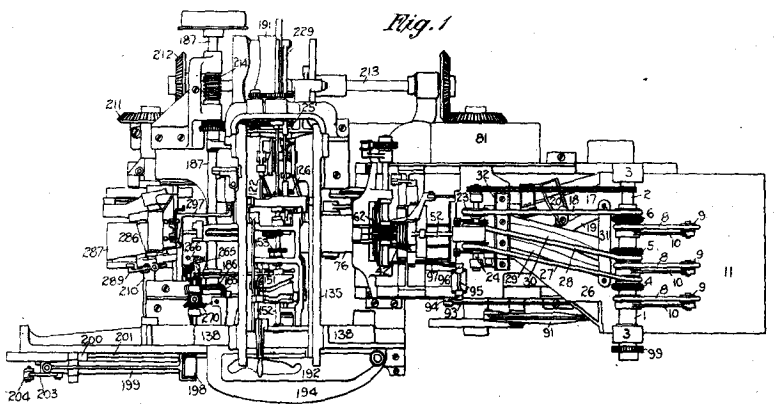


22959  
Marino and Barton-Wright. Electric Accumulator.

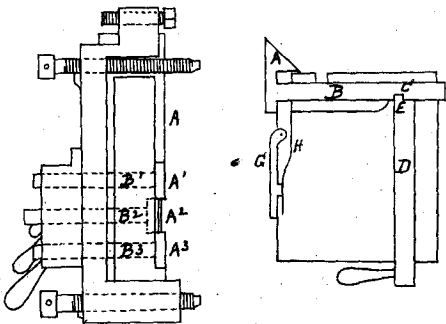


22455

Checkogram (Limited). Ticket-issuer. (Stockall.)



International Cigar Machinery Coy. Cigar Machinery. (Tyberg, Lockett, and Fogde.)



22787

Mounsey. Linotype Knife-block.

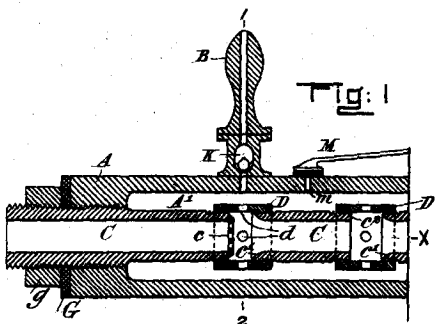
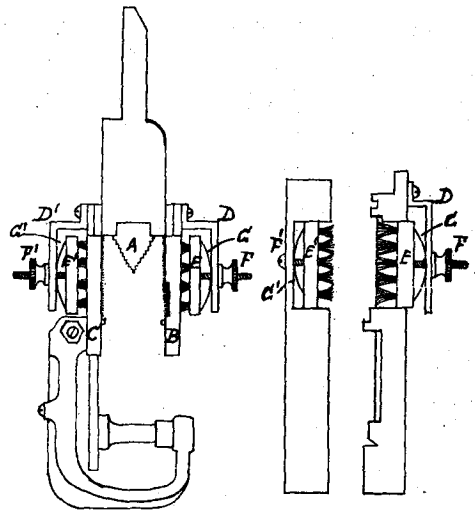


FIG. 4

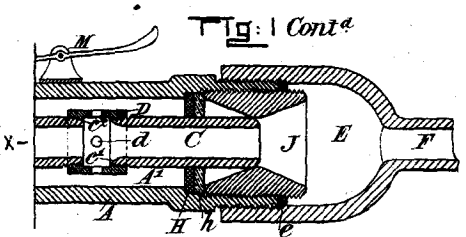
22880

Beattie and Chapman. Marking Race-competitors.



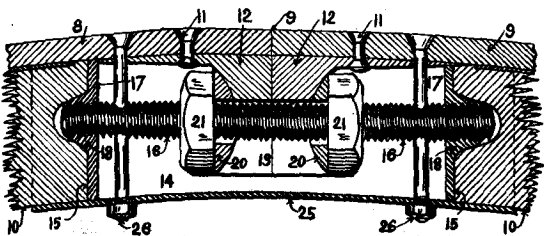
22786

Mounsey. Matrix-cleaner.



22781

Mahvers and Phillips. Vacuum Apparatus.



22878

Fortescue. Tire.

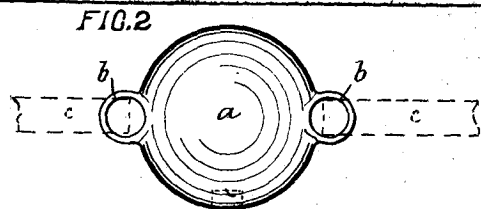
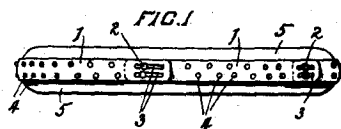


FIG. 3

22836

Noonan, A. P. F., and G. D. Watson. Hoof-weight.



22885

J. B. and J. J. Salmon. Tire-protector.

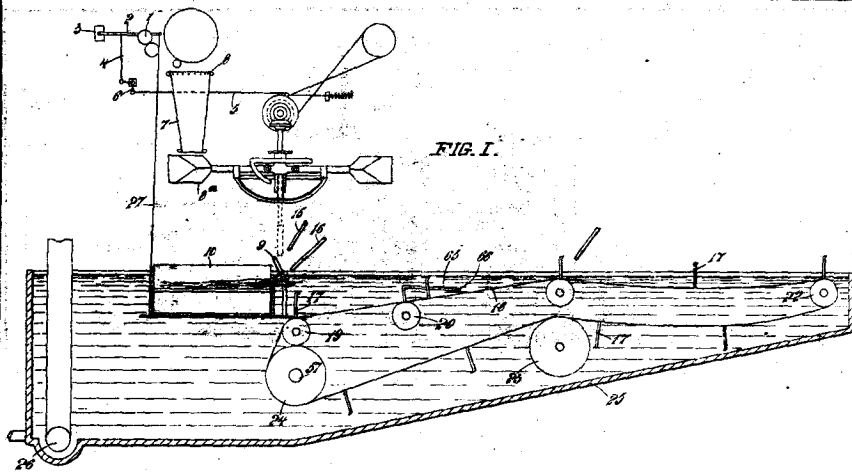
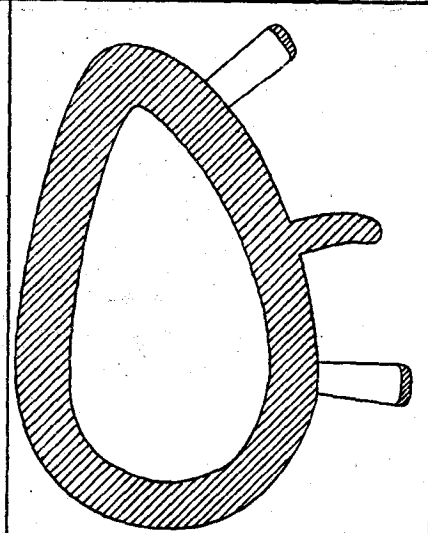


FIG. I.

21455  
Merrett. Flax Apparatus.



21608  
Horner. Shaft-tug.

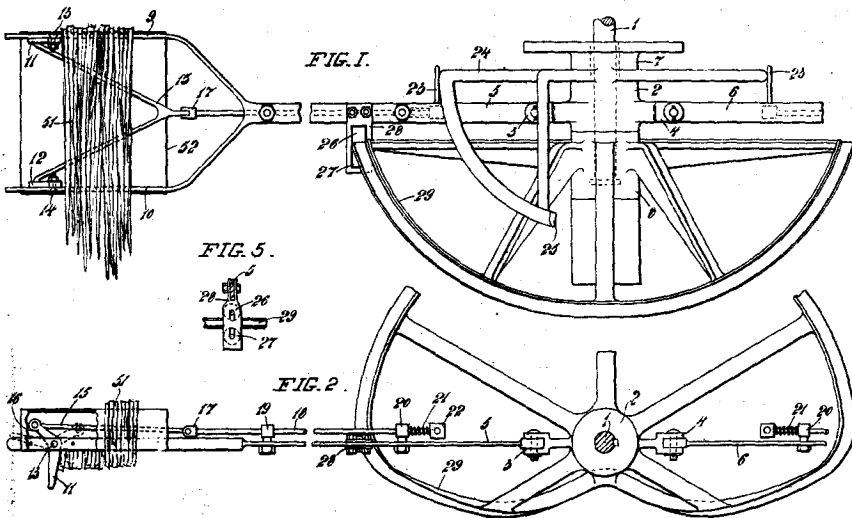


FIG. I.

21456  
Merrett. Flax-handler.



FIG. 2.

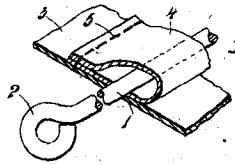
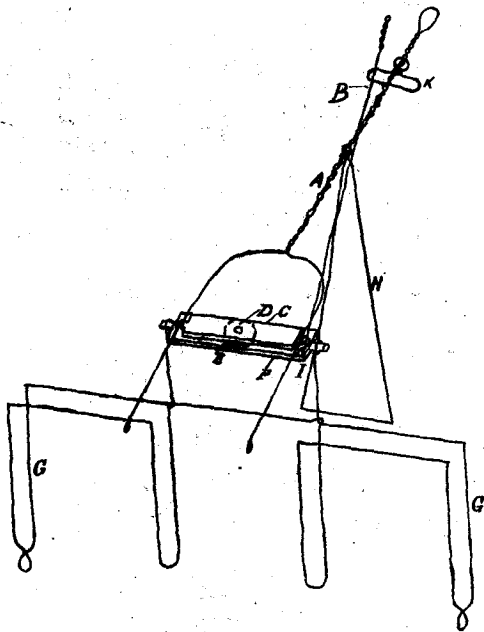
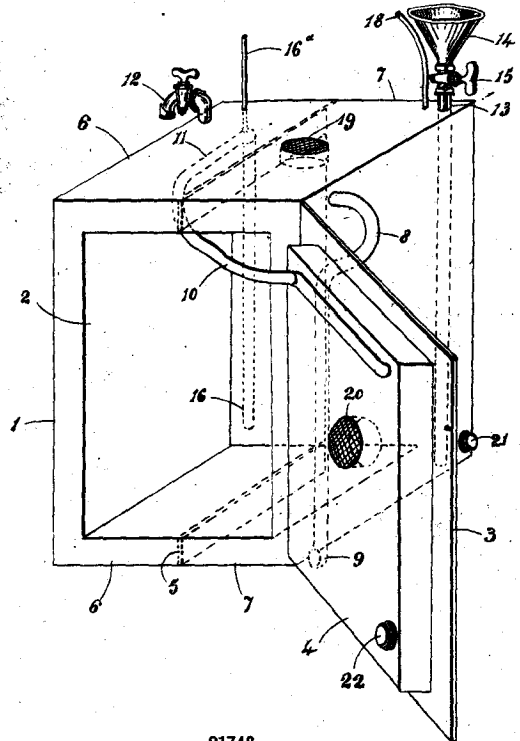


FIG. 3.

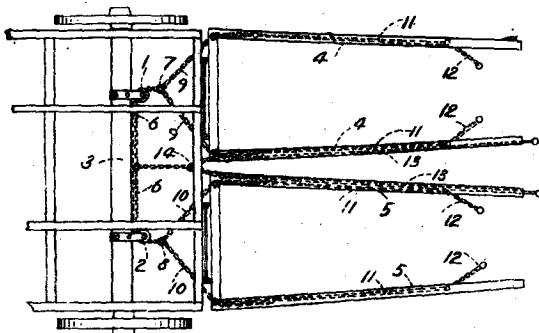
22585  
Steele. Binder-apron.



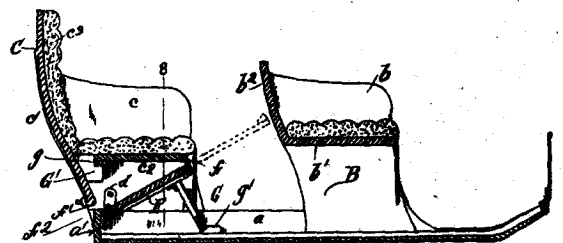
21670  
McLaurin. Toaster and Griller.



21748  
Levinson. Cool-chamber.



21755  
Maher. Draw-gear.



22809  
Chipman (Limited). Vehicle. (Wesp.)