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*International and Intercolonial Arrangements for the Mutual Protection of Patents and Trade Marks.*

INTERNATIONAL CONVENTION.

THE following countries now belong to the Convention:—

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

\* Trade marks only.

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 adhesion 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.

*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 3rd October, 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 November, 1907.

Index of Applicants.

Subject-matter Index.

Commissioner of Patents Journal, &c.<sup>(a)</sup>.

Trade Marks Journal to October, 1907.

*Canada.*

Patent Office Record (containing illustrated abridgments of inventions, &c.) to September, 1907.

*Australia.*

The full text of the specifications and complete drawings in respect of applications accepted from the 11th January to the 1st March, 1907, 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<sup>(b)</sup>.

*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 November, 1907.

*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.

(a) Discontinued.

(b) In arrears. Not now being printed.

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.

*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<sup>(a)</sup>.
3. Register of Applications for Letters Patent.
4. Register of Patents.
5. Register of Subsequent Proprietors of Letters Patent<sup>(b)</sup>.
6. Index of Patentees<sup>(c)</sup>.
7. Index of Proprietors of Letters Patent granted prior to 1890<sup>(d)</sup>.
8. Index of Specifications<sup>(e)</sup>.

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<sup>(f)</sup>.
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<sup>(g)</sup>.

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 1906 inclusive.
- The Patents Supplement to *Gazette* (containing notifications, applications for letters patent, abridged descriptions and drawings of inventions, &c.), published fortnightly.

Patent Office Agents appointed.

Department of Justice,  
Wellington, 21st January, 1908.

HIS Excellency the Governor has been pleased to appoint  
ERNEST WHITE CAVE and  
THOMAS EDMUND ROBERTS  
to be Patent Office Agents at Auckland and Dunedin respectively, as from the 1st January, 1908.

J. MCGOWAN.

Local Patent Offices.

LOCAL Patent Offices for the reception of applications, supply of forms, &c., have been established at the following places:—

- Auckland—Supreme Court. (E. W. Cave, agent.)
- Thames—Courthouse. (J. Jordan, agent.)
- Gisborne—Courthouse. (G. J. A. Johnstone, agent.)
- New Plymouth—Courthouse. (W. A. D. Banks, agent.)
- Napier—Courthouse. (A. Trimble, agent.)
- Wanganui—Courthouse. (C. A. Barton, agent.)
- Nelson—Courthouse. (E. C. Kelling, agent.)
- Blenheim—Courthouse. (J. Terry, agent.)
- Westport—Courthouse. (O. E. Bowling, agent.)
- Greymouth—Courthouse. (B. Harper, agent.)
- Hokitika—Courthouse. (J. N. Nalder, agent.)
- Christchurch—Supreme Court. (W. W. Samson, agent.)
- Ashburton—Courthouse. (F. W. Hart, agent.)
- Timaru—Courthouse. (R. W. Taylor, agent.)
- Oamaru—Courthouse. (E. P. Ward, agent.)
- Dunedin—Supreme Court. (T. E. Roberts, agent.)
- Queenstown—Courthouse. (A. J. Thompson, agent.)
- Invercargill—Courthouse. (J. R. Colyer, agent.)

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. 23891.—6th January.—R. Brown, jun., Ilford, Eng.  
Stopping bottles.\*  
(Date applied for under section 106 of the Act, 15th January, 1907.)
- No. 23892.—6th January.—F. H. Trevellian, Wellington, N.Z.  
Cash-register.
- No. 23893.—7th January.—J. T. Muir, Wanganui, N.Z.  
Butter pounder and packer. (*E. G. Macdougall.*)
- No. 23894.—8th January.—F. A. Alcock, Melbourne, Vic.  
Billiard-table.
- No. 23895.—8th January.—O. L. Ahrens and P. A. Schmitt, Hamburg, Ger., and C. Molse and K. A. M. Wepfer, Bremen, Ger.  
Meat-preserving process.\*
- No. 23896.—8th January.—A. H. Kortlang, Richmond River, N.S.W.  
Farm, &c., gate.
- No. 23897.—4th January.—F. W. Payne, Dunedin, N.Z.  
Lifting water by power obtained from running water.\*
- No. 23898.—4th January.—T. T. Cole, Dunedin, N.Z.  
Fire-escape-door bolt.\*

- No. 23899.—8th January.—United Shoe Machinery Company, Paterson, U.S.A.  
Heel-building machine.\* (*W. R. Barclay and A. Bates.*)
- No. 23900.—8th January.—F. R. Simmonds and W. Seifert, Takapau, N.Z.  
Trueing-up beater-bar of flax-strippers.\*
- No. 23901.—6th January.—H. Thorne and T. J. Littlewood, Melbourne, Vic.  
Footwear.
- No. 23902.—9th January.—H. C. Thomsen, Waingawa, N.Z.  
Threshing cocksfoot, &c., seed.
- No. 23903.—8th January.—W. Maddison, Gisborne, N.Z.  
Sleeping accommodation for railway-carriages.
- No. 23904.—11th January.—R. M. Maunder, Palmerston North, N.Z.  
Curtain-pole suspender.
- No. 23905.—8th January.—M. U. Schoop, Paris, France.  
Soldering or welding aluminium.\*
- No. 23906.—8th January.—J. R. Park, Dunedin, N.Z.  
Regulation electric potential.\* (*Pintsch's Patent Lighting Company, Limited—O. Schaller.*)
- No. 23907.—8th January.—T. Aitken, Balclutha, N.Z.  
Lime and manure distributor.
- No. 23908.—13th January.—W. E. Hughes, Wellington, N.Z.  
Spouting-bracket.\* (*C. J. Cooze.*)
- No. 23909.—11th January.—A. H. Cotton, Rawene, N.Z.  
Toy.
- No. 23910.—11th January.—W. J. Mann, Auckland, N.Z.  
Formation of ferro-concrete pile to facilitate driving.\*
- No. 23911.—11th January.—R. Cairns, Auckland, N.Z.  
Interchangeable double-ended electrical plug.
- No. 23912.—14th January.—J. B. Grove, Wellington, N.Z.  
Tread-holder for tires.
- No. 23913.—15th January.—H. Herrenschmidt, Paris, France.  
Manufacture of electric conducting products.\*
- No. 23914.—15th January.—C. B. Mann, Wellington, N.Z.  
Notice-plate for post-office letter-box.
- No. 23915.—15th January.—United Shoe Machinery Company, Paterson, U.S.A.  
Lasting-machine. (*J. Cavanagh, jun.*)
- No. 23916.—15th January.—A. J. Smith, Cardiff, Wales.  
Lubrication of axle-boxes.
- No. 23917.—16th January.—R. F. Carey, London, Eng.  
Mechanism for opening and closing doors.\*
- No. 23918.—16th January.—R. M. and A. Maunder, Palmerston North, N.Z.  
Cool chamber or provision-safe.
- No. 23919.—14th January.—W. J. Roebuck, Opoho, N.Z.  
Adjustable foot for ladders.
- No. 23920.—14th January.—T. C. Smiley, Dunedin, N.Z.  
Adjusting vehicle-seats.\*
- No. 23921.—18th January.—W. Ward and A. L. Jennings, Napier, N.Z.  
Flush for cisterns.\*
- No. 23922.—18th January.—P. H. Shailer, Auckland, N.Z., and W. Sully, Teddington, Eng.  
Automatic coupling.\*
- No. 23923.—20th January.—J. Anderson, R. H. Free, and W. H. Hampton, Wellington, N.Z.  
Cramp.

Complete Specifications filed after Provisionals.

LIST of complete specifications filed after provisional specifications, from the 6th to the 20th January, 1908, inclusive:—

- No. 22272.—M. Belk, carcass-brander.
- No. 22661.—United Shoe Machinery Company, wire for metallic fastener. (*F. H. Perry.*)
- No. 22663.—United Shoe Machinery Company, pulling-over machine. (*R. F. McFeely.*)
- No. 22675.—H. Quertier, suction road-cleaner.
- No. 22692.—R. R. Douglas, protectors for links of running machinery.
- No. 22700.—W. H. Blackham, milking-machine teat-cup support. (*W. J. Teese.*)
- No. 22741.—C. T. Haynes, fastener for lids of sanitary pans.
- No. 22764.—United Shoe Machinery Company, sewing-machine. (*B. F. Mayo.*)
- No. 22765.—United Shoe Machinery Company, sewing-machine lubricator. (*J. B. Hadaway.*)
- No. 22792.—J. M. Stewart, cash-book.
- No. 23246.—J. D. Smith, trolley-pole retriever.
- No. 23705.—T. Bolton, disinfectant and insect-destroyer.

*Notice of Acceptance of Complete Specifications.*

Patent Office,  
Wellington, 21st January, 1908.

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. 22259.—2nd January, 1907.—FREDERICK WILLIAM SMITH, of Blenheim, New Zealand, Draper. Improved means for taking proportionate samples of milk for use in dairies, dairy factories, &c.\*

*Claim.*—The milk-sampler for dairies, dairy factories, creameries, &c., comprised of a brass tap to be screwed or otherwise made fast to any weigh cans or vessels requiring the sampler, said tap having a plug with a "way" half-way through, and then at right angles, where it connects with a tube of brass. This tube, which is of a diameter and length to suit the can to which it is to be adjusted, passes through a stay at the top of the can.

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

No. 22275.—7th January, 1907.—FREDERICK JAMES SHELTON, of Wellington, New Zealand, Importer. Improvements in acetylene-generators.

*Claims.*—(1.) In acetylene-generators of the class having generating-chambers arranged in a water-tank and opening into vertical tubes arranged in such tank, forming each of such tubes with a number of rows of apertures arranged at intervals in its height, each row being arranged in a line inclining upwards round the tube, while the holes of the lower rows are made of greater size than those of the rows above, substantially as and for the purposes specified. (2.) The improvements in acetylene-generators, substantially as described and explained, as illustrated in the drawings, and for the several purposes set forth.

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

No. 22288.—9th January, 1907.—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, Massachusetts, United States of America (the assignees of John Benjamin Hadaway, of Brockton, Plymouth, Massachusetts, United States of America, Inventor). Improvements in or relating to shoe-sewing machines.\*

*Claims.*—(1.) In a combined sewing and indenting or stitch-separating machine, the provision of means that during the continued operation of the machine can throw the indenting or stitch-separating device into or out of operation. (2.) In a combined sewing and indenting or stitch-separating machine, the provision of a single means that can not only throw the indenting or stitch-separating device into or out of operation, but can also adjust the mechanism that controls the length of the stitches. (3.) A constructional form of the means claimed in preceding claiming clause No. 1 for throwing the indenting or stitch-separating device into or out of operation, comprising a member (such, for example, as 11), an actuator (such, for example, as 12) therefor, and means (such, for example, as 15, 16, 17, 18) for moving said member into or out of range of the actuator. (4.) The improved mechanism for throwing the indenting or stitch-separating device into or out of action, and for operating the feed-regulating means, substantially as illustrated in the accompanying drawings, with or without the "lost motion" device constituted by the parts 21, 23, 24.

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

No. 22329.—21st January, 1907.—JOHN LOWDEN, Jun., of Mataura, Southland, New Zealand, Blacksmith. Preventing punctures and increasing pneumatic power of cycle and other similar tires.\*

*Claim.*—In pneumatic tires, a ring placed between the inner tube and outer cover, composed of a number of springy metal

plates, each curved transversely to conform to the curve in the tire, overlapped end to end, and secured together by means of rivets passing through the lapped portions, substantially as and for the purposes specified, and as illustrated in the drawings.

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

No. 22451.—21st February, 1907.—THOMAS ROLLEY, of Vulture Street, East Brisbane, Queensland, Australia, Engineer. Improved means for operating casement windows, fanlights, and the like.\*

*Claim.*—In means for operating casement windows, fanlights, and other similar windows and shutters, consisting of a reciprocating rod or bar, carried in bearings, affixed adjacent to the window and prevented from turning therein, and having a helix formed on a portion thereof on which rides a radial arm capable of turning on said rod, but prevented from moving sideways, said radial arm being articulated to the window-sash, substantially as described.

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

No. 22472.—28th February, 1907.—ARTHUR WILFORD STONE, care of Messrs. Stone Bros., of Boston Place, off Church Street, North Fitzroy, Victoria, Australia, Boot-manufacturer. An improved hide- or skin-measuring machine.\*

*Extract from Specification.*—The object of my invention is to provide a cheap, effective, and reliable machine for measuring hides or skins, or other irregularly shaped surfaces, in an original and novel manner. My invention consists essentially in placing the hide or skin to be measured upon a stationary table or skeleton frame having dropper or weight holes therein, causing a dropper plate or frame having therein vertically movable droppers or weights to descend upon or near to the hide or skin, some of the droppers so lowered being retained upon the hide or skin, and some passing through the dropper-holes in the stationary table or skeleton frame, causing the droppers passing through a skeleton frame to descend upon a weighing-platform, which platform by the weight of said droppers descends and by a suitable means of leverage operates a pointer in front of a dial, said dial being graduated to indicate the area or measurement of the hide or skin, and any other indications which may be deemed necessary under various and differing circumstances.

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

(Specification, 7s.; drawing, 2s.)

No. 22630.—2nd April, 1907.—ERIC HOLLOCOOMBE CLIFF, of 51 Sinclair Road, West Kensington, London, England, Engineer. Improvements in and relating to internal-combustion engines.\*

*Claims.*—(1.) In an internal-combustion engine having an inlet-valve concentrically arranged within the exhaust-valve, mounting the said valves within a detachable annular box adapted to be fixed in the cylinder-head, and provided with means whereby it may be water-cooled independently of the cylinder-head, as set forth. (2.) In an internal-combustion engine having the inlet-valve concentrically arranged within the exhaust-valve, forming a vaporising-chamber between the stem of the inlet-valve and the inner wall of the hollow stem of the exhaust-valve, and packing said chamber or a part thereof with metallic balls or their equivalents, as set forth. (3.) A vaporiser for internal-combustion engines as specified in claim 2, means whereby the balls or their equivalents may be agitated, as set forth. (4.) In an internal-combustion engine having the valves arranged as specified in claim 1, forming a vaporising-chamber between the stem of the inlet-valve and the inner wall of the hollow stem of the exhaust-valve, packing said chamber or a part thereof with metallic balls or their equivalents, and means whereby said chamber may be heated, as set forth. (5.) In an internal-combustion engine having a fuel-feed device, a fuel-feed pipe connected therewith by means of a socket joint, constructed and arranged substantially as described and shown. (6.) The improved fuel-feed device for internal-combustion engines, as described, and illustrated on the drawing. (7.) The improved arrangement of valves for internal-combustion engines, as described, and illustrated on the drawing.

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

No. 22646.—5th April, 1907.—FREDERICK CHARLES THOMPSON, of 149 Chester Street, Christchurch, New Zealand, Manufacturer of Blinds. A bracket attachment for fixing blinds to window-sashes.\*

*Claim.*—A window-blind-supporting bracket comprised by a strip of metal having one end adapted to be fastened to the face of the window-sash, extending outwards at right angles thereto, and then bent round and across the front of the window-frame, and having its outer extremity bent outwards so as to constitute a bearing for the blind-roller, substantially as specified.

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

No. 22704.—15th April, 1907.—CHARLES UDDSTROM, of Greymouth, New Zealand, Cabinetmaker. Driving a locomotive by chain gear applying power to all wheels.\*

*Claims.*—(1.) Driving mechanism for locomotives or the like, comprising a sprocket-wheel and chain connection between all the wheels of the locomotive carriage body and the main driving-wheel, which is driven by the engine, substantially as described. (2.) Driving mechanism for locomotives and the like, comprising a sprocket-wheel and chain connection between the main driving-wheel, which is driven by the engine, and the axles of all the wheels of the carriage-body supporting the locomotive, and between all the wheels of the trolleys or the like supporting the load, substantially as described. (3.) Method of driving a locomotive or the like, consisting of applying the driving-power by means of chain gearing to all the wheels of the locomotive, substantially as described. (4.) The general construction, arrangement, and combination of parts constituting my invention for driving a locomotive by means of chain gearing applying power to all wheels, substantially as described.

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

No. 23180.—23rd July, 1907.—REGINALD HUGH HUNTER-WESTON, of Cottesbrook Station, Middlemarch, Otago, New Zealand, Farmer. Rabbit-exterminator.\*

*Claims.*—(1.) Apparatus for the purpose indicated, consisting of the parts constructed, combined, arranged, and operating substantially as specified and illustrated. (2.) Apparatus for the purpose indicated, comprising, in combination, a chamber adapted to receive bisulphide of carbon or the like, a tube projecting therefrom, a discharge-valve at the end of said tube, means for operating said discharge-valve, means for admitting the supply of chemical to the chamber, and an air-pump for compressing air therein, substantially as specified and illustrated. (3.) For the purpose indicated, in combination with a chamber adapted to receive volatilisable chemical, and having a tube adapted to be passed into a rabbit-burrow, and the discharge-valve, constructed, arranged, and operating substantially as specified, and illustrated in the drawing, particularly Fig. 3. (4.) Apparatus for the purpose indicated, in combination, a chamber adapted to receive bisulphide of carbon or the like, a tube projecting therefrom adapted to pass into a rabbit-burrow, and a discharge-valve upon the end of said tube, and means for operating the same, comprising a bell-crank lever connected therewith, substantially as specified and illustrated.

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

No. 23546.—30th September, 1907.—HENRI HERREN-SCHMIDT, of 10 Boulevard Magenta, Paris, France, Industrial. Process for the extraction of metals and metalloids from their ores or compounds.

*Claims.*—(1.) A general process for extracting metals and metalloids from ores, natural or artificial compounds contained therein, characterized by the ores or compounds being submitted in an electric furnace, or in any apparatus capable of producing the same temperatures, to the separating action of boron, produced by deoxidizing by means of carbon a boron compound—boric acid, borates, &c.—and simultaneously to the deoxidizing action of carbon. (2.) By the application of said process to the treatment of bauxite, (a) the manufacture of artificial corundum practically free from iron and silica, and consequently having even more effective fireproof qualities than corundum obtained by the mere smelting of bauxite; (b) the manufacture of aluminium alloyed with boron; (c) the

manufacture of an alloy of aluminium and ferro-boro-silicium. (3.) As new products utilisable in industry, the metals and metalloids by the processes set forth.

(Specification, 4s. 9d.)

No. 23672.—29th October, 1907.—ALEXANDER BLAIR, of Imperial Buildings, corner High and Dowling Streets, Dunedin, New Zealand, Sailmaker. Improvements in and relating to fastenings for animal-covers.

*Claims.*—(1.) The general arrangement and combination of parts comprising my improvements in and relating to fastenings for animal-covers, substantially as and for the purpose set forth. (2.) A band comprising two triangular pieces, a strap and a buckle attached to the apex of the angle of the triangular pieces, and secured, substantially as described.

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

No. 23725.—16th November, 1907.—JONATHAN TREVE-THICK, of Auckland, New Zealand, Brush-manufacturer. Improved means for securing handles in broom-heads.

*Claim.*—Means for securing handles in broom-heads, the same consisting in the combination, with the handle, of a metal ferrule placed upon its bottom end and adapted to fit within the ordinary handle-receptacle in the head, a dowel screw projecting longitudinally from the bottom end of the handle and adapted to be screwed through and to project beyond the bottom of the head, and a retaining-nut screwed on such projecting end, substantially as specified.

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

No. 23747.—21st November, 1907.—PARKER MACHINE COMPANY, a corporation duly organized and existing under and by virtue of the laws of the State of New York, United States of America (the assignee of Joseph Albert Ronchetti, of Woonsocket, Providence, Rhode Island, United States of America, Engineer). Platen-shifting mechanism for typewriters.

*Extract from Specification.*—This invention relates to typewriting-machines, and is directed more especially to improvements in mechanism employed for shifting the platen for different case printing. One of the objects of the invention is to provide improved means for shifting the platen to different positions at either side of a normal central position, so as to enable the same to receive impressions from any one of three type mounted upon each type-bar. Another object thereof is to provide simple and efficiently operating means for shifting the platen-frame, such that while the platen is always locked and firmly held in a normal central position the locking-means will in no wise oppose its being readily moved to carry the platen to other printing-positions. Another object is to provide improved means for locking the platen in either of its shifted positions. A further object is to provide mechanism of the above character which will operate to arrest the shifting movements of the platen or its return movements to normal position, substantially without noise. Other objects will be in part obvious and in part pointed out.

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

(Specification, £1 15s.; drawing, 4s.)

No. 23748.—21st November, 1907.—WILLIAM ERNEST HUGHES, of Queen's Chambers, Wellington, New Zealand, Patent Agent (the nominee of Linotype and Machinery, Limited, of 188 and 189 Fleet Street, London, England, the assignees of William Hermann Scharf, of 156 St. Antoine Street, Montreal, Canada, Manager). Improvements in means for storing the magazines of typographical composing-machines.

*Claims.*—(1.) A storage for the magazines of a typographical composing-machine, combined with and fixed above the said machine. (2.) A storage for the magazines of a typographical composing-machine, so combined with the said machine that the entrance to the said storage is parallel with and in close proximity to the line at which the magazine being removed from the machine leaves the latter. (3.) Means for storing the magazines of a typographical composing-machine, consisting of one or more pairs of grooves or ways, the grooves of each pair or way being in the same

plane, and a pair of vertical grooves into which each of the said pairs opens, all being held together; a magazine-stop on each magazine, adapted to co-operate with any one of the first-mentioned pairs of grooves; rollers on each magazine to travel along the pairs of grooves and bars thereon to, respectively, ride over and engage behind the respective stops. (4.) In combination with the subject-matter of claim 2, means for diverting a magazine from the pair of vertical grooves into one of the other pairs; means for putting such diverting-means out of operative position, and means for restoring them thereto.

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

No. 23752.—22nd November, 1907.—WILLIAM SIMM, Electrical Engineer, and HENRY SIMM, Engineer, both of "The Ash," Portico, near Prescott, Lancaster, England. Improvements in or relating to the production of zinc-oxide.

*Claims.*—(1.) The improved apparatus for obtaining zinc-oxide from zinc-ores such as calamines and metallic substances containing zinc, which consists of an electric furnace, or more than one, formed on a wheeled truck, a hood for each furnace carried by a permanent support and adapted so that its lower edge can cover the top of the furnace and provides sufficient opening for the supply of air for combustion, said hood having a flue and a charging-hopper above the hood communicating therewith through a valve, and a condensing-chamber communicating with the hood by means of the flue, and having an outlet-opening in the upper part and a discharging-door in the lower part, and a fan adapted to create an artificial draught over the furnace and through the condensing-chamber. (2.) In apparatus for obtaining zinc-oxides from zinc-ores such as calamines and metallic substances containing zinc, the combination of wheeled trucks each containing several electric furnaces, a separate circuit for each furnace and a switch for controlling the same, a fixed hood for each furnace adapted to cover the same with its lower edge and provided with air-space all round said lower edge, a charging-hopper above each hood and a valve to open and close communication between them, a flue to each hood and a damper adapted to close and open the same, a main flue to which the flues from the hoods are connected, a condensing-chamber in communication with said main flue having an outlet-opening in the upper part, a discharging-door in the lower part, and baffle-screens between said flue and the outlet-orifice, and a fan adapted to create a draught over the furnace and through the flues and the condensing-chamber. (3.) In an apparatus such as is claimed in claims 1 and 2, controlling the furnaces independently by means of a separate circuit and switch therein for each furnace. (4.) In an apparatus such as is claimed in claims 1 and 2, controlling each furnace by means of a switch and a choking-coil in the circuit thereof. (5.) In an apparatus such as is claimed in claims 1 and 2, the use of screens or baffles on the venetian-blind principle formed of bars or covered frames in the condensing-chamber, arranged with their edges to face the draught, substantially as described. (6.) The improved apparatus for obtaining zinc-oxide from substances containing zinc, constructed and arranged substantially as described, and illustrated in the drawings.

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

No. 23753.—22nd November, 1907.—JOHN STUART AL-CORN, of 83 Braintree Street, Boston, Suffolk, Massachusetts, United States of America, Engineer. Improvements in or relating to rotary fluid engines or machines.

*Extract from Specification.*—These improvements in or relating to rotary fluid engines or machines for propelling or being propelled by fluids, whether of a liquid or gaseous nature, have special reference to the type of engine or machine with a rotary piston and a rotary spacer, having rocking-shoes or abutments which bear on the peripheral curved surface of the piston, the piston and the spacer being on different axes of rotation, and rotating in the same direction at relatively constant but different rates of speed within an outer enclosing cylinder wherein the spacer rotates, the spacer moreover being provided with ports. Now, the present improvements consist in making the spacer with entirely cylindrical outer circumference, and the casing or housing non-cylindrical; in the arrangement of the packings between the piston and the spacer and between the latter and the outer enclosing cylinder wherein it rotates; in means for enabling the engine to start from any position of the rotating parts, thus doing away with so-called dead points; and in

means for reversing the direction of rotation, if so required. By these improvements the engine is much improved in general construction and in the economical use of steam.

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

(Specification, 13s. 3d.; drawing, 4s.)

No. 23757.—25th November, 1907.—ARTHUR ISABERT CARR, of Wharekopae, Poverty Bay, Auckland, New Zealand, Fencer. Improvements in and relating to fencing-standards.

*Claims.*—(1.) A fencing-standard made of sheet metal bent into a tee shape, flanges integral with and perpendicular to the horizontal members, grooves in the flanges to receive the fencing-wires, and staples embracing the wires and passing through holes in the standard and clenched at the back thereof, substantially as set forth. (2.) A fencing-standard constructed as described in claim 1, and anchored as described, substantially as set forth. (3.) The combination and arrangement of parts comprising the improvements in and relating to fencing-standards, substantially as and for the purposes set forth, and illustrated in the drawing.

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

No. 23764.—27th November, 1907.—AUGUST SODERLING, of Bodie, Mono, California, United States of America, Chemist. Improvements in and relating to the treatment of ores and tailings.

*Claims.*—(1.) Apparatus for preliminary treatment of tailings and slimes, consisting of an inclined riffled trough or conductor having at its upper end a water-supply, and pulverising-rolls, and a tank holding a weak solution of solvent acids or acid salts, a dilution water conductor near the lower end of said trough, and at its lower end settling-reservoirs for sands and for slimes, final reservoirs for base-metal solutions, and separate terminal reservoirs for the sand and for the slimes, substantially as specified. (2.) Apparatus for the treatment of tailings and slimes preliminary to cyaniding, consisting of an inclined riffle-bottom trough or conductor, at the upper end thereof a water-supply, pulverising-rolls, and a tank for a weak solution of solvent acids or acid salts, at the lower end thereof settling-reservoirs for sands and slimes, and an intermediate water-discharge near the settling-reservoirs, substantially as specified. (3.) The art or process of treating tailings and slimes preparatory to the cyaniding by pulverising a hydraulic flux of the same, mixing therewith a weak solution of acid or acid salts, agitating the mixture in flow from a higher to a lower level, further diluting the mixture, separating the residual sands and slimes from the impregnated waters, drawing off the latter through a series of reservoirs containing precipitating reagents, leaving the settled sands and slimes in condition for cyanide treatment, substantially as specified. (4.) In apparatus for the treatment of tailings and slimes preliminary to cyaniding, the combination with a hydraulic discharge-pipe, pulverising-rolls, and an acid-solution tank, of settling and terminal reservoirs at a lower level, inclined sluicing-troughs, and detachable sectional riffle bottoms in said troughs, substantially as specified.

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

No. 23766.—27th November, 1907.—JOHN LEAHY, of Queen's Chambers, Queen's Place, Sydney, New South Wales, Australia, Shearing Contractor (assignee of John William Sutton, of Phoenix City, Arizona Territory, United States of America, but now temporarily of Sydney aforesaid, Shearer). Improvements in sheep-shearing machines.

*Claims.*—(1.) In a sheep-shearing machine, a pressure spring or springs having two or more points of contact with the cutter attached to the fork, and transmitting pressure between the fork and the cutter. (2.) The pressure spring or springs for use in a sheep-shearing machine, substantially as described, and illustrated in the drawing. (3.) In a sheep-shearing machine, the combination of a pressure spring or springs having two or more points of contact with a reciprocating lever interposed between the outer end of such lever and the cutter, such reciprocating lever being pivoted on a centre at its inner end, and of a rotating crank by which said lever is reciprocated at its middle part, and of a roller upon such crank-pin, and of a cutter carried upon the end of such crank, and of a tension screw with suitable

locking-device compressing the lever in such manner as to force the cutter down upon the comb by means of a rocking pin or pillar, substantially as described, and shown in the drawings.

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

No. 23767. — 27th November, 1907. — ROBERT DAVID LEWERS, of Sussex Street, Sydney, New South Wales, Australia, Bank manager, and FREDERICK SAMUEL GREER, of Market Street, Sydney aforesaid, Engineer (assignees of Frank Gerson, of Heeley Street, Sydney aforesaid, Commercial Broker, and William Gustave English, of Hubert Street, Leichhardt, Sydney aforesaid, Engineer). An improved rabbit-trap.

*Claims.*—(1.) An improved rabbit-trap consisting of a longitudinal horizontal bar rotated alternately by the weight of a rabbit and that of a weighted arm provided for the purpose, a pair of entrance and a single exit gate secured thereto and operated thereby, the whole so constructed and arranged that while the entrance gates are open the exit is closed, and vice versa, all for the purpose set forth and substantially as described, and as illustrated in the drawings. (2.) In an improved rabbit-trap, a horizontal rotating bar carrying the entrance and exit gates, in combination with a pair of hinged floor-plates and the necessary connecting rods or cords, for the purpose set forth.

(Specification, 3s. ; drawings, 2s.)

No. 23769. — 27th November, 1907. — CHARLES HENRY JOSEPH GENEY, of Christchurch, New Zealand, Engineer. Improved means for fastening bicycle-pumps to bicycle-frames.

*Claims.*—(1.) Means for the purpose indicated, comprising the combination with a spring-controlled pin adapted to engage longitudinally with the end of the pump, and to hold the pump between it and a fixed support, of a hasp hinged to the top end of the pin, and a fixed extension from the pin-supporting bracket over which the hasp is adapted to be passed when the pin is at its normal position, such extension being adapted to receive a padlock or the like, substantially as specified. (2.) The improved means for fastening bicycle-pumps to bicycle-frames, substantially as described and explained, and as illustrated in the drawings.

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

No. 23772. — 26th November, 1907. — G. AND C. HOSKINS, LIMITED, a company duly registered and trading under the laws of the State of New South Wales, having its registered office at Wattle Street, Sydney, New South Wales, Australia, and carrying on business as Engineers and Boilermakers (assignees of George John Hoskins, M.Inst.M.E., of "St. Cloud," Burwood Road, Burwood, near Sydney, New South Wales, Australia). Machinery for upsetting the edges of rolled-metal plates.

*Claims.*—(1.) In machines for upsetting the edges of rolled-metal plates, a clamping-device, in duplicate, consisting of two clamping-blocks, the faces of which towards the rotating hammers are formed with arcs concentric with the axis of rotation of the hammers, as specified. (2.) In machines for upsetting the edges of rolled-metal plates, rotating hammers, in duplicate, adapted to strike successive wiping or rolling blows upon the edges of a plate that may lie within the radius of the peripheral rotation of the hammers, as set forth. (3.) In machines for upsetting the edges of rolled-metal plates, rotating hammers in duplicate, each hammer consisting of an upper and a lower plate that form bearings for heavy roller strikers that project beyond the plates and are adapted to strike successive wiping or rolling blows upon the edges of a plate that may lie within the radius of the peripheral rotation of the roller strikers, as set forth. (4.) In machines for upsetting the edges of rolled-metal plates, clamping-blocks, in duplicate, for clamping and guiding the plate the edges of which are to be upset, such clamping-blocks having their faces adjacent to the hammers, formed with an arc that is concentric with the axes of the hammers, in combination with rotating hammers in duplicate, as and for the purposes specified. (5.) In machines for upsetting the edges of rolled-metal plates, a sizing and polishing appliance consisting of rollers in duplicate on the line of the plane of the plate, each roller being formed with a groove through which the formed dovetails will be hauled, whereby the width

of the plate will be sized and the dovetails polished, as set forth. (6.) In machines for upsetting the edges of rolled-metal plates, the accommodating appliance for the self-adjustment of the sizing-apparatus, consisting of the two shafts *m*, *m1*, the crossheads *O*, *O1*, the studs or projections *o*, *o1*, the plungers *n*, *n1*, and the grooved rollers *N*, *N1*, whereby when either of the rollers *N*, *N1* are pushed to one side or the other by inequalities in the width of the plate the whole of the parts shall move together, as specified. (7.) In machines for upsetting the edges of rolled-metal plates, in combination, the clamping-devices in duplicate with curved faces concentric with the axes of the hammers, rotating hammers adapted to strike the edges of the plate, and the sizing-device consisting of grooved rollers in duplicate for sizing the plates and polishing the dovetails, as and for the purposes set forth. (8.) The general arrangement, construction, and combination of parts in the machinery for upsetting the edges of rolled-metal plates, as described, as illustrated in the drawings, and for the several purposes specified.

(Specification, 7s. 3d. ; drawing, 2s.)

No. 23775. — 2nd December, 1907. — JOHN SLATER, of 14 Montana Street, Coolgardie, Western Australia, Gentleman. Double-faced traffic signal flag.

*Claims.*—(1.) A traffic flag having an obverse and reverse face for the separate or simultaneous giving of oppositely or differently meaning signals, substantially as set forth, and as illustrated in the drawings. (2.) A traffic flag having an obverse and reverse face mounted on two companion rods or staffs as *a* and *b*, and whereby the flag may be held by the right and left hand of the user in the giving of signals, substantially as set forth, and as illustrated in the drawings. (3.) A traffic flag having an obverse or reverse face in operative combination with and mounted on staffs or sticks as *a* and *b*, for the concurrent holding of the flag by the right and left hand, substantially as set forth, and as illustrated in the drawings.

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

No. 23780. — 3rd December, 1907. — SEAY INTERNATIONAL ICE AND REFRIGERATION MACHINERY COMPANY, a corporation organized under the laws of the State of South Dakota, having its principal place of business at Tenth and Diamond Streets, Philadelphia, Pennsylvania, United States of America (assignees of William W. Seay, of Philadelphia aforesaid). Process of and apparatus for the production of ice and cold.

*Claims.*—(1.) In the process of refrigeration, the vaporisation and separation by heat of ammonia from a liquid which upon the separation of the ammonia is converted into a solid, and the reabsorption of the ammonia with said solid at a reduced temperature, whereby the liquid is re-formed. (2.) The process of refrigeration which consists in combining ammonia and a solid absorbent which liquefies ammonia and goes into solution with the same, vaporising and separating the ammonia from the solution, condensing the vapours so as to produce anhydrous liquid ammonia, vaporising said anhydrous liquid ammonia to produce a cooling effect, and then recombining said ammonia with the exhausted solid absorbent. (3.) In connection with the processes of claims 1 and 2, the use of thio-cyanate of ammonium (NH<sub>4</sub> CNS) as the absorbent material. (4.) In a refrigerating system, the combination with the condenser and refrigerator, of a combined generator and absorber for containing absorbent material, means for alternating heating and cooling said generator and absorber, and means for reversing the position of said generator and absorber to expose fresh surfaces of the absorbent material, substantially as described.

(Specification, 10s. ; drawings, 2s.)

No. 23785. — 4th December, 1907. — FREDERICK SARA, of "The Tors," Yelverton, R.S.O., Devon, England, Merchant. Animal-traps.

*Claims.*—(1.) A trap to catch and kill wild animals without torturing them, which consists of a base plate, a pair of arms normally held extended against the influence of a spring by means of a double footplate, a yoke or arm connected to which engages a catch which is released by pressure on the footplate so that the arms spring upwards and grip the animal scissors-wise, the two halves of the footplate separating to let the arms rise between them, substantially as described and shown.

(2.) In a trap, a pair of footplates hinged to a frame, which is normally about level, and retains (by means of a catch) the trap in its set position, the parts being so arranged that when sprung the footplates have first a downward swing on a pivot common to both of them, and next an upward and opposite outward swing to allow the gripping-arms of the trap to rise between them, 'substantially as' described and shown. (3.) The general construction, arrangement, and combination of parts forming my improved trap to catch and kill wild animals without torturing them, substantially as described and shown.

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

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,  
Deputy Registrar.

*Provisional Specifications accepted.*

Patent Office,  
Wellington, 21st January, 1908.

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

- No. 23613.—W. Gale and L. Gunther, chaff-cutter knife.
- No. 23670.—A. C. Watson, swingletree-end.
- No. 23719.—L. Taylor and A. C. Gardiner, milk-cooler.
- No. 23720.—H. B. Chapman, basket-carrier.
- No. 23721.—W. G. Richardson, cattle-food preparation from *Phormium tenax*.
- No. 23728.—C. E. Keast, horse-gag.
- No. 23729.—J. H. Willson, gate-hinge.
- No. 23732.—T. Cree, screwdriver.
- No. 23734.—J. Houston, trolley-head.
- No. 23737.—C. E. Turner, picture-frame attachment.
- No. 23739.—H. L. Davis and E. Wood, mariners' compass.
- (A. F. Smith.)
- No. 23741.—E. Moss and E. F. Dombrain, heat-indicator for baled goods.
- No. 23744.—T. D. Sinclair, internal-combustion engine.
- No. 23749.—J. S. Dreadon, grindstone.
- No. 23751.—A. Storie, agricultural implement.
- No. 23754.—F. R. Simmonds and W. Seifert, flax-feeder, &c.
- No. 23755.—F. R. Simmonds and W. Seifert, flax-stripper.
- No. 23760.—W. Cusiok, assisting children to walk.
- No. 23761.—G. P. van Wye, vacuum insulated bottle and casing.
- No. 23763.—W. Steele, shaft attachment to trucks, &c.
- No. 23765.—J. R. Patterson, sheep-shears.
- No. 23771.—H. P. Rasmussen, electrical insulating composition.
- No. 23774.—J. Thomson, tire.
- No. 23776.—E. J. Chilton, preventing candles from guttering.
- No. 23777.—R. M. Smith, drainage-pipe.
- No. 23786.—J. Betty, dust, &c., excluder.
- No. 23787.—W. Clark, gum-boot sole.
- No. 23802.—R. Muir, chair.
- No. 23811.—United Shoe Machinery Company, in-seam-trimming machine. (A. Bates.)
- No. 23851.—H. R. Radford, egg-carrier.

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 the 9th to the 21st January, 1908, inclusive:—

Nil.

*Letters Patent on which Fees have been paid.*

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

SECOND-TERM FEES.

- NO. 17464.—De B. and F. I. de Lisle, and E. T. Luttrell, branding-composition. 8th January, 1908.
- No. 17469.—W. F. Young, gaslight heater. 8th January, 1908.
- No. 17511.—H. Marshall and J. Maton, lamp. 15th January, 1908.
- No. 19090.—A. L. Johnson, corrugated bar. 9th January, 1908.

THIRD-TERM FEES.

- No. 13318.—J. N. Clapham, rein-holder and wheel-stop. 8th January, 1908.
- No. 13355.—C. A. Parsons, screw propeller. 8th January, 1908.

*Subsequent Proprietors of Letters Patent registered.*

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

NO. 19916.—Weber Steel-Concrete Chimney Company, Limited, of Queen Anne's Chambers, Broadway, Westminster, London, England. Chimney. [C. Weber—J. R. Park—C. Weber.] 20th January, 1907.

No. 20046.—Synoloids Limited, of 85 Gracechurch Street, London, E.C., England. Printing and developing photographs on silver-chloride paper. [H. J. Mallabar.] 20th January, 1908.

No. 21075.—Arthur Frederick Ray, of Hobart, in the State of Tasmania, Boot-manufacturer, registered as proprietor of one-third share. Boot-upper. [W. Pilgrim, A. Liddell, and W. Dimmick.] 21st January, 1908.

No. 21290.—Youla Wools (New Zealand), Limited, of 159 Victoria Street, Westminster, in the County of London, England, registered as licensee of the sole, full, and exclusive rights and license to use and exercise the invention in the Dominion of New Zealand for the purposes and upon the conditions set out in the deed of license. Separating dirt from cotton-waste. [W. Youlten.] 10th January, 1908.

No. 21462.—The following entry has been made in the Register of Patents against Letters Patent No. 21462, A. W. H. Vivian, artificial fuel: "By an indenture dated the 10th May, 1905 (a copy of which has this 8th day of January, 1908, been left at the Patent Office), between Avando Warren Hussey Vivian, of 108 Hop Exchange, London, England (hereinafter called 'the vendor'), and Edwin Wood, of 231 Elizabeth Street, Melbourne, Victoria (hereinafter called 'the purchaser'), the vendor, *inter alia*, covenants with the purchaser to impart to him a process or processes for the manufacture of an article called 'Vainere Composite Fuel,' and any improvement he may discover or become acquainted with in connection with such process, and to execute and sign all such deeds, agreements, and documents, and to do all such acts and things as may be necessary or desirable for assuring to and vesting in the said Edwin Wood the sole and exclusive right to use the said secret process or processes in the Commonwealth of Australia and Dominion of New Zealand, and the sole and exclusive right there to sell articles manufactured by or with the use of the said process or processes, all as fully set forth, and subject to the considerations in said indenture, in which it is also declared that the purchaser, his executors, administrators, and assigns shall have full and free liberty to use, sell, grant licenses, or otherwise deal with the said process or processes in the said Commonwealth and Dominion."

No. 21462.—The following entry has been made in the Register of Patents against Letters Patent No. 21462, A. W. H. Vivian, artificial fuel: "By deed dated the 27th December, 1907 (a copy of which has been left at the Patent Office on the 8th January, 1908), Edwin Wood, of 231 Elizabeth Street, Melbourne, Victoria, Commonwealth of Australia, Manufacturer's Agent, grants to the Vivian Briquette and Coal Company, Limited, a company duly registered in the Dominion of New Zealand under 'The Companies Act, 1903,' full and exclusive and irrevocable license to use the said process and manufacture and sell articles manufactured under the said letters patent in the Dominion of New Zealand during the residue now unexpired of the term for which the said letters patent were granted, and during any prolongation or extension thereof, upon the terms and conditions set out in the deed."

No. 21772.—The Dental Protective Supply Company of the United States, a corporation of the State of Illinois,



United States of America, of 34 Madison Street, Chicago, Illinois, United States of America. Artificial teeth. [J. Morris.] 9th January, 1908.

No. 23108.—The T. L. Smith Company, of Merrill Building, Milwaukee, Wisconsin, United States of America. Rotary mixing-machine. [T. L. Smith.] 9th January, 1908.

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

THE request for correction of clerical error in application No. 23102'—Aktieselskabet Burmeister & Wains Maskin-og Skibsbyggeri (advertised in Supplement to *New Zealand Gazette*, No. 95, of the 31st October, 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 9th to the 21st January, 1908, inclusive:—

- No. 21775.—G. E. Partridge and J. McLoughlin, hanging wall-papers.
- No. 22530.—A. Reid and J. McCluggage, potato-digger.
- No. 22422.—W. F. Dugins and H. Haggarty, jun., delivering feed to horses.
- No. 22531.—C. J. Johnson, trolley-pole.
- No. 22541.—T. M. Copeland, type-setting spacer.
- No. 22542.—J. Sharpe, bottle-stopper.
- No. 22543.—J. Gordon, shield attachment for tires.
- No. 22544.—W. Katene, sheet iron for building.
- No. 22547.—A. Todd, seed-sower.
- No. 22550.—T. Stewart, cleaning ships' hulls.
- No. 22555.—W. H. Haslett and N. Marsdon, anæsthetic.
- No. 22556.—W. C. Page and R. V. Anderson, reinforced-concrete structures.
- No. 22557.—C. Jansen, draining clothes. (E. J. Hall.)
- No. 22558.—F. H. Lampen, signalling-lamp.
- No. 22559.—J. Murdoch, toilet-cabinet.
- No. 22560.—H. W. Gilling, milking-machine.
- No. 22561.—H. Mackay, bicycle-chain guard.
- No. 22563.—D. W. McLean, tire.
- No. 22574.—B. G. C. Stephens and B. G. Mahoney, inflating tires of motor-cars.
- No. 22575.—M. G. Wilson, collapsible box.
- No. 22583.—J. Thomson, spring tire for vehicle-wheels.
- No. 22584.—J. Burrows, hose-darner.
- No. 22590.—K. Gillingham, oven of cooking-range.

*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 9th to the 21st January, 1908, inclusive:—

- No. 21905.—J. Johnston and H. C. Nicholls, scaffolding-bracket.
- No. 21911.—F. H. Burbush, butter-cooler.
- No. 21913.—E. W. Gawne, toothache-cure.
- No. 21942.—E. Seagar, antimony-eruding furnace.
- No. 21944.—J. C. Vincent and J. Upritchard, deepening and straightening rivers.

*Applications for Letters Patent lapsed.*

APPLICATIONS for Letters Patent lapsed, owing to Letters Patent not being sealed, from the 9th to the 21st January, 1908, inclusive:—

- No. 21439.—J. Whyte, tie-frame.
- No. 21458.—J. A. Grofski, oil-can.
- No. 21476.—R. W. Pearse, flying-machine.
- No. 21481.—P. H. Macintosh and L. Hill, miner's lamp.
- No. 21483.—R. Hannah and Co., Limited, boot-upper. (H. J. Pallett and H. Chambers.)
- No. 21485.—C. K. Turner, plough.
- No. 21486.—C. K. Turner, bicycle.

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*Applications for Letters Patent opposed.*

NOTICES of opposition have been entered in the following cases:—

- No. 21884.—Norrie; opposed by Murray.
- No. 20583.—Phillips; opposed by Moore and Heskett.
- No. 23544.—Moore; opposed by Wellington Harbour Board.
- No. 23248.—Fischer; opposed by McLaurin.
- No. 23622.—Cummins; opposed by McLaurin.
- No. 23540.—White; opposed by Nicholls.

*Letters Patent void.*

LIST of Letters Patent void through non-payment of renewal fees, and through expiry of term of fourteen years, from the 9th to the 21st January, 1908, inclusive:—

THROUGH NON-PAYMENT OF SECOND-TERM FEES.

- No. 17088.—R. Burke and A. T. Burke, breeching-straps of harness.
- No. 17100.—J. J. Matthews, acetylene-generator.
- No. 17103.—E. J. Wilson, plough.
- No. 17104.—C. A. Bergersen, window-sash raising and lowering.
- No. 17105.—L. Clark, flanging, &c., pipes.
- No. 17106.—L. Clark, pipe-glazing process.
- No. 17108.—A. L. Applegarth, fuel-economizer.
- No. 17100.—W. Stock and C. D. Kennedy, spanner.
- No. 17116.—J. Macalister, chain-drive manure-feed.
- No. 17119.—W. Strange and T. Coverdale, gate, &c., lock. (John Dockery.)
- No. 17122.—J. D. Leach, venetian-blind spring.
- No. 17123.—J. R. Hardy, kiln.
- No. 17131.—E. Shaw, coffee-extract.
- No. 17136.—J. A. Pond, bone, &c., manure manufacture.

THROUGH NON-PAYMENT OF THIRD-TERM FEES.

- No. 13062.—W. J. Linton, hydraulic air-compressor.

THROUGH EXPIRY OF TERM.

- No. 6618.—E. T. Firth, drying pumice. (J. C. Firth.)

*Designs registered.*

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

- No. 369.—Henry Spencer Berridge, of Waikiekie, Whangarei, in the Dominion of New Zealand, Farmer. Class 3. 30th December, 1907.
- Nos. 370 and 371.—De Dion Bouton (1907) Limited, of 10 Great Marlborough Street, London, England, Manufacturers. Class 1. 16th January, 1908.
- No. 372.—Claude Capron, of Cecil Chambers, 86 Strand, London, England, Merchant. Class 3. 16th January, 1908.

*Applications for Registration of Trade Marks.*

Patent Office,  
Wellington, 21st January, 1908.

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: 6951.  
Date: 1st October, 1907.

TRADE MARK.

The words

“ALLAWAY BRAND.”

The essential particular of this trade mark is the word “Allaway”; and any right to the exclusive use of the added matter is disclaimed.

The applicants claim that the said trade mark has been used by them in respect of the articles mentioned prior to 1890.

## NAME.

RICHARD THOMAS AND Co., LIMITED, of 33 and 35 Eastcheap, London, E.C., England.

No. of class: 5.

Description of goods: Tin plates—i.e., steel sheets coated with tin.

No. of application: 7034.

Date: 18th November, 1907.

## TRADE MARK.



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

## NAME.

POWLEY AND KEAST, of 22 Hope Street, Dunedin, in the Dominion of New Zealand, Bottlers.

No. of class: 44.

Description of goods: Mineral and aerated waters, natural and artificial, including ginger-beer, but excluding cordials.

No. of application: 7065.

Date: 12th December, 1907.

## TRADE MARK

The word

**REDUSO**

## NAME.

WEINGARTEN BROS. (INCORPORATED), a corporation duly organized under the laws of the State of New Jersey, United States of America, and having its principal office at 377 Broadway, New York City, New York, United States of America, Manufacturers.

No. of class: 38.

Description of goods: Corsets.

(NOTE.—This application is regazetted on account of the word "Reduso" not appearing in the former notice.)

No. of application: 7083.

Date: 31st December, 1907.

## TRADE MARK.

The word

*Russell*

## NAME.

CANADA CYCLE AND MOTOR COMPANY, LIMITED, of Toronto, in Canada.

No. of class: 22.

Description of goods: Motor cars and cycles.

No. of application: 7090.

Date: 4th January, 1908.

## TRADE MARK.

The word

**"PLUGGITSHURE."**

## NAME.

CLINTON GREENWOOD JONES, DAVID EDWARD AMOS JONES, Cycle-makers, and JOHN GWYNETH STEVENS, Solicitor, all of Otaki, in the Dominion of New Zealand.

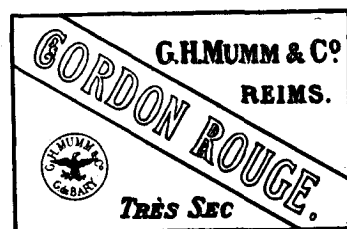
No. of class: 50.

Description of goods: A puncture-sealing composition.

No. of application: 7093.

Date: 10th January, 1908.

## TRADE MARK.



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

## NAME.

G. H. MUMM AND Co., of Reims, in France, Wine-shippers.

No. of class: 43.

Description of goods: Champagne wines and all other sparkling wines or liquids, whether sparkling or rendered sparkling artificially.

No. of application : 7095.  
Date : 11th January, 1908.

TRADE MARK.

The words

“FLAXMERE GRASS SEED.”

The essential particular of this trade mark is the word “Flaxmere”; and any right to the exclusive use of the words “Grass seed” is disclaimed.

NAME.

BARRAUD AND ABRAHAM, LIMITED, of Palmerston North, in the Dominion of New Zealand, Merchants.

No. of class : 46.  
Description of goods : Grass-seed.

No. of application : 7096.  
Date : 14th January, 1908.

TRADE MARK.

MOA.



TRADE MARK

The essential particular of this trade mark is the word “Moa” and device; and any right to the exclusive use of the added matter is disclaimed.

NAME.

ALFRED TYREE AND Co., LIMITED, of Lichfield Street, Christchurch, in the Dominion of New Zealand.

No. of class : 5.  
Description of goods : Corrugated iron.

No. of application : 7112.  
Date : 15th January, 1908.

TRADE MARK.

The words

“ROYAL BLUE.”

NAME.

SELZ SCHWAB AND Co., a corporation organized under the laws of the State of Illinois, one of the United States of America, and doing business at Monroe and Market Streets, in the City of Chicago, State of Illinois, United States of America, Manufacturers.

No. of class : 38.  
Description of goods : Leather and indiarubber footwear.

No. of application : 7116.  
Date : 16th January, 1908.

TRADE MARK.

The word

FIAT

NAME.

FABBRICA ITALIANA AUTOMOBILI TORINO, of Corso Dante No. 35 to 37, Turin, Italy, Manufacturers.

No. of class : 22.  
Description of goods : Motor-cars and similar vehicles.

No. of application : 7118.  
Date : 16th January, 1908.

TRADE MARK.

The word

PALAIS

NAME.

LEVER BROS., LIMITED, of Balmain, near Sydney, State of New South Wales, Commonwealth of Australia, Manufacturers.

No. of class : 47.  
Description of goods : Common soap, soap-powders, matches, candles, starch, blue, washing-soda, detergents, and oil for illuminating, heating, or lubricating purposes.

No. of application : 7119.  
Date : 16th January, 1908.

TRADE MARK.

(The mark as shown in preceding notice No. 7118.)

NAME.

LEVER BROS., LIMITED, of Balmain, near Sydney, State of New South Wales, Commonwealth of Australia, Manufacturers.

No. of class : 48.  
Description of goods : Perfumed soap, perfumery, and glycerine for toilet purposes.

No. of application : 7120.  
Date : 16th January, 1908.

TRADE MARK.

The word

TOPAZ

NAME.

LEVER BROS., LIMITED, of Balmain, near Sydney, State of New South Wales, Commonwealth of Australia, Manufacturers.

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

No. of application: 7121.  
Date: 16th January, 1908.

## TRADE MARK.



The essential particular of this trade mark is the distinctive label and the word "Topaz"; and applicants disclaim any right to the exclusive use of the added matter, except their name and address.

## NAME.

LEVER BROS., LIMITED, of Balmain, near Sydney, State of New South Wales, Commonwealth of Australia, Manufacturers.

No. of class: 48.  
Description of goods: Soap.

No. of application: 7123.  
Date: 16th January, 1908.

## TRADE MARK.



## NAME.

SAMUEL OSBORN AND Co., LIMITED, of Clyde Steel Works, Sheffield, England, Manufacturers.

No. of class: 5.  
Description of goods: Iron and steel.

No. of application: 7124.  
Date: 16th January, 1908.

## TRADE MARK.

(The mark as shown in preceding notice No. 7123.)

## NAME.

SAMUEL OSBORN AND Co., LIMITED, of Clyde Steel Works, Sheffield, England, Manufacturers.

No. of class: 6.  
Description of goods: Machinery of all kinds 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: 7125.  
Date: 16th January, 1908.

## TRADE MARK.

(The mark as shown in preceding notice, No. 7128.)

## NAME.

SAMUEL OSBORN AND Co., LIMITED, of Clyde Steel Works, Sheffield, England, Manufacturers.

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

No. of application: 7127.  
Date: 16th January, 1908.

## TRADE MARK.



## NAME.

SAMUEL OSBORN AND Co., LIMITED, of Clyde Steel Works, Sheffield, England, Manufacturers.

No. of class: 5.  
Description of goods: Iron and steel.

No. of application: 7128.  
Date: 16th January, 1908.

## TRADE MARK.

(The mark as shown in preceding notice No. 7127.)

## NAME.

SAMUEL OSBORN AND Co., LIMITED, of Clyde Steel Works, Sheffield, England, Manufacturers.

No. of class: 6.  
Description of goods: Machinery of all kinds 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: 7129.  
Date: 16th January, 1908.

## TRADE MARK.

(The mark as shown in preceding notice No. 7127.)

## NAME.

SAMUEL OSBORN AND Co., LIMITED, of Clyde Steel Works, Sheffield, England, Manufacturers.

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

No. of application : 7130.  
Date : 16th January, 1908.

TRADE MARK.

(The mark as shown in preceding notice No. 7127.)

NAME.

SAMUEL OSBORN AND Co., LIMITED, of Clyde Steel Works, Sheffield, England, Manufacturers.

No. of class : 13.

Description of goods : Hammers, anvils, vices, hoes, spades, shovels, picks; hay, digging, and manure forks; spanners, wrenches, engineers' and other tools, and metal goods generally not having a cutting-edge and not included in other classes.

No. of application : 7135.  
Date : 17th January, 1908.

TRADE MARK.



POTSTILBRAND.

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

NAME.

B. A. J. WITTRAMPF, of Schiedam, Holland, Distiller.

No. of class : 43.

Description of goods : Spirituous liquors.

C

No. of application : 7138.  
Date : 21st January, 1908.

TRADE MARK

The word

“TAAKITIMU.”

NAME.

THE LYNDA SOAP-MAKING AND TRADING COMPANY, LIMITED, of Gisborne, in the Dominion of New Zealand.

No. of class : 47.

Description of goods : Soap (laundry).

No. of application : 7139.  
Date : 21st January, 1908.

TRADE MARK

The word

“WOLETTA.”

NAME.

THE LYNDA SOAP-MAKING AND TRADING COMPANY, LIMITED, of Gisborne, in the Dominion of New Zealand.

No. of class : 47.

Description of goods : Soap (laundry).

No. of application : 7140.  
Date : 21st January, 1908.

TRADE MARK.

The word

“LYNDA.”

NAME.

THE LYNDA SOAP-MAKING AND TRADING COMPANY, LIMITED, of Gisborne, in the Dominion of New Zealand.

No. of class : 47.

Description of goods : Starch.

No. of application : 7141.  
Date : 21st January, 1908.

TRADE MARK.

The word

“MICRO.”

## NAME.

THE LYNDIA SOAP-MAKING AND TRADING COMPANY, LIMITED,  
of Gisborne, in the Dominion of New Zealand.

No. of class : 3.

Description of goods : Soap (medicated).

No. of application : 7142.

Date : 21st January, 1908.

## TRADE MARK.



The essential particulars of this trade mark are the distinctive label, the device, and the words "Golden Gem"; and any right to the exclusive use of the words "Trade mark," "Made from pure ingredients," and "Baking-powder" is disclaimed.

## NAME.

T. H. GARLAND AND SON, of Ponsonby Road, Auckland, in the Dominion of New Zealand, Manufacturers.

No. of class : 42.

Description of goods : Baking-powder.

J. C. LEWIS,  
Registrar.

## Applications for Trade Marks opposed.

NOTICES of opposition have been filed in the following cases :—

- No. 6141.—Sigall; opposed by Simmons.
- No. 6675.—New Zealand Portland Cement Company; opposed by Portland Cement Fabrik Hemmoor.
- No. 6946.—Whangarei Co-operative Dairy Company, Limited; opposed by J. Harrison and Sons.
- No. 6905.—Johnson; opposed by Lever Bros., Limited.
- No. 6839.—Bassi; opposed by G. T. Fulford (Australasia), Limited.

## Trade Marks registered.

LIST of Trade Marks registered from the 9th January to the 22nd January, inclusive :—

- No. 5462/6429.—P. L. Schmidt. Class 12. (*Gazette* No. 65, of 25th July, 1907.)
- No. 5463/6610.—New Home Sewing-machine Company. Class 6. (*Gazette* No. 44, of the 16th May, 1907.)
- No. 5464/6631.—Broad and Tristram. Class 2. (*Gazette* No. 44, of the 16th May, 1907.)
- No. 5465/6634.—Patent File and Tool Company, Limited. Class 12. (*Gazette* No. 44, of the 16th May, 1907.)

- No. 5466/6635.—R. H. Lloyd. Class 13. (*Gazette* No. 44, of the 16th May, 1907.)
- No. 5467/6636.—R. H. Lloyd. Class 18. (*Gazette* No. 44, of the 16th May, 1907.)
- No. 5468/6962.—A. E. Shrimski. Class 3. (*Gazette* No. 95, of the 31st October, 1907.)
- No. 5469/6645.—H. Berry and Co. Class 42. (*Gazette* No. 48, of the 30th May, 1907.)
- No. 5470/6653.—Baldwins, Limited. Class 5. (*Gazette* No. 48, of the 30th May, 1907.)
- No. 5471/6654.—Baldwins, Limited. Class 5. (*Gazette* No. 48, of the 30th May, 1907.)
- No. 5472/6655.—Baldwins, Limited. Class 5. (*Gazette* No. 48, of the 30th May, 1907.)
- No. 5473/6656.—Baldwins, Limited. Class 5. (*Gazette* No. 48, of the 30th May, 1907.)
- No. 5474/6680.—G. Boehm. Class 48. (*Gazette* No. 51, of the 13th June, 1907.)
- No. 5475/6696.—W. Todd and Co. Class 42. (*Gazette* No. 56, of the 27th June, 1907.)
- No. 5476/6717.—Gramophone and Typewriter, Limited. Class 8. (*Gazette* No. 62, of the 11th July, 1907.)
- No. 5477/6718.—Gramophone and Typewriter, Limited. Class 8. (*Gazette* No. 62, of the 11th July, 1907.)
- No. 5478/6719.—Gramophone and Typewriter, Limited. Class 8. (*Gazette* No. 62, of the 11th July, 1907.)
- No. 5479/6879.—F. W. Bursill. Class 13. (*Gazette* No. 95, of the 31st October, 1907.)
- No. 5480/6981.—H. F. Stevens. Class 48. (*Gazette* No. 95, of the 31st October, 1907.)
- No. 5481/6982.—S. Smith. Class 38. (*Gazette* No. 98, of the 14th November, 1907.)
- No. 5482/7003.—Graham, Wilson, and Smellie. Class 38. (*Gazette* No. 98, of the 14th November, 1907.)
- No. 5483/7014.—Winterbottom Book-cloth Company, Limited. Class 39. (*Gazette* No. 98, of the 14th November, 1907.)

## Trade Mark Renewal Fees paid.

FEES paid for the renewal of the undermentioned Trade Marks for fourteen years from the date first mentioned :—

- Nos. 1006/861, 1008/863, 1009/864, and 1010/865.—9th January, 1908. J. C. Ayer Company, Lowell, Mass., U.S.A. 8th January, 1908.

## Trade Marks removed from the Register.

TRADE Marks removed from the Register owing to the non-payment of the renewal fee from the 9th to the 20th January, 1908, inclusive :—

- No. 930/719.—12th October, 1893.—J. K. Christensen, of Norsewood, N.Z. Class 42.
- No. 932/717.—17th October, 1893.—R. G. Marsh, of Normanby, N.Z. Class 42.
- No. 933/912.—16th October, 1893.—W. E. Bond, of Ashburton, N.Z. Class 47.
- No. 934/913.—16th October, 1893.—W. E. Bond, of Ashburton, N.Z. Class 47.
- No. 942/776.—17th October, 1893.—Kearns and Sons, of Dunedin, N.Z. Class 42.
- No. 943/716.—18th October, 1893.—R. Glendining, of Dunedin, N.Z. Class 4.

## 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.

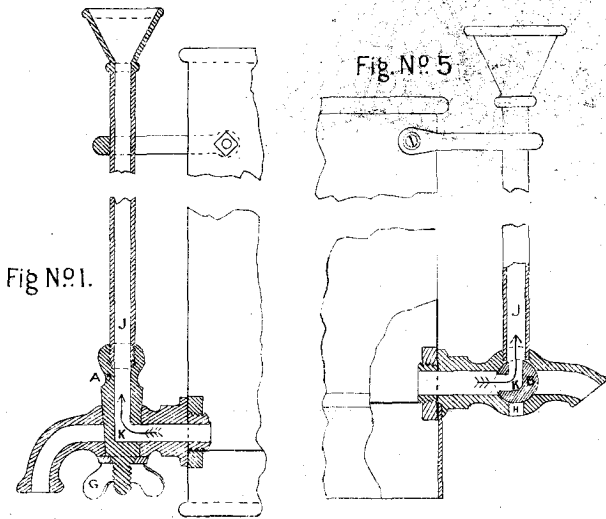
Postage or duty stamps cannot be received in payment from any place at which postal notes or post-office orders are issued.

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.

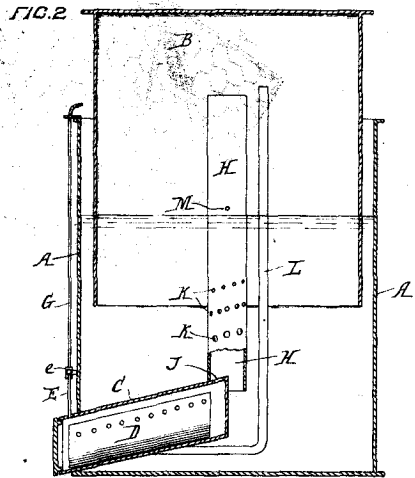
By Authority : JOHN MACKAY, Government Printer, Wellington.

# ILLUSTRATIONS OF INVENTIONS.

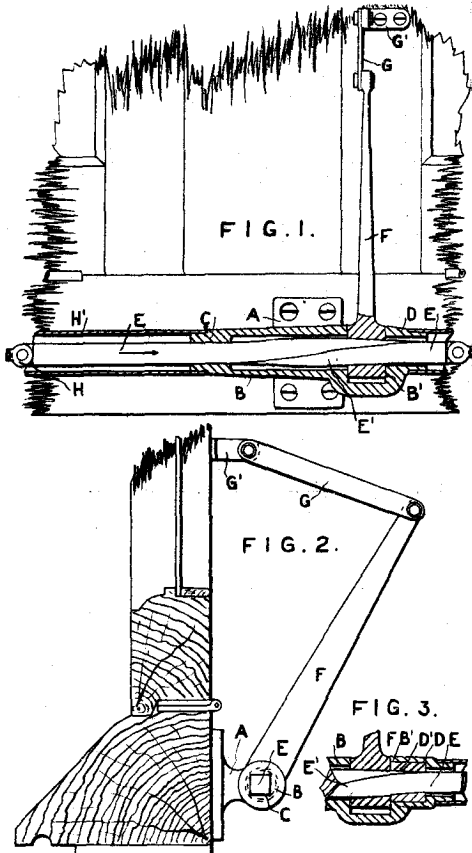
[These illustrations refer to the complete specifications accepted, and advertised in this *Gazette*.]



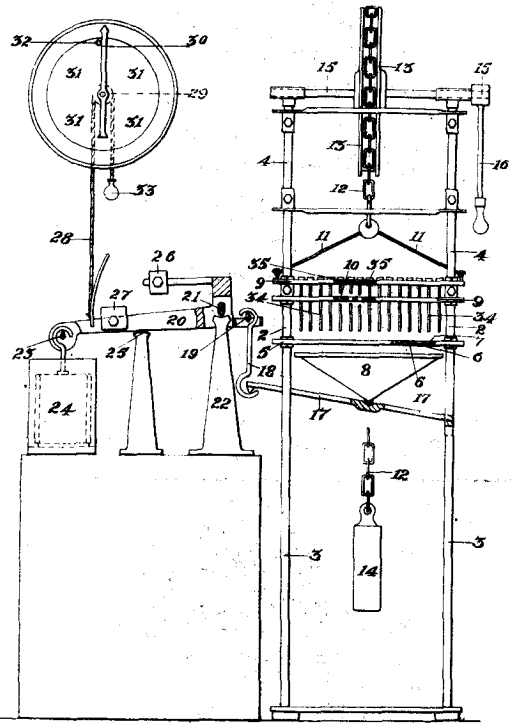
22259  
Smith. Milk-sampler.



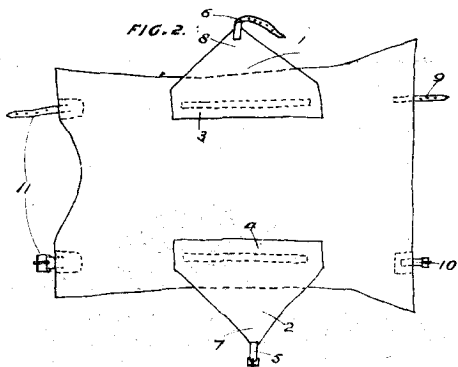
22275  
Shelton. Acetylene-generator.



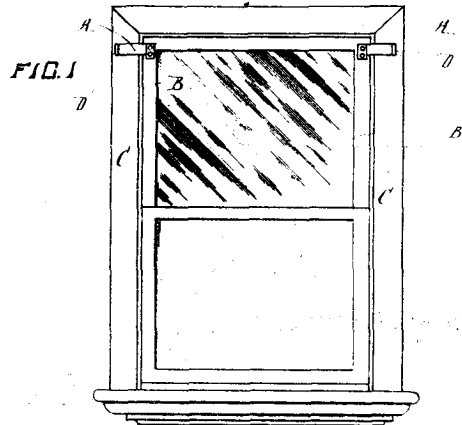
22451  
Rolley. Window-operator.



22472  
Stone. Skin-measure.



23672  
Blair. Horse-cover.



22646  
Thompson. Window-bracket.

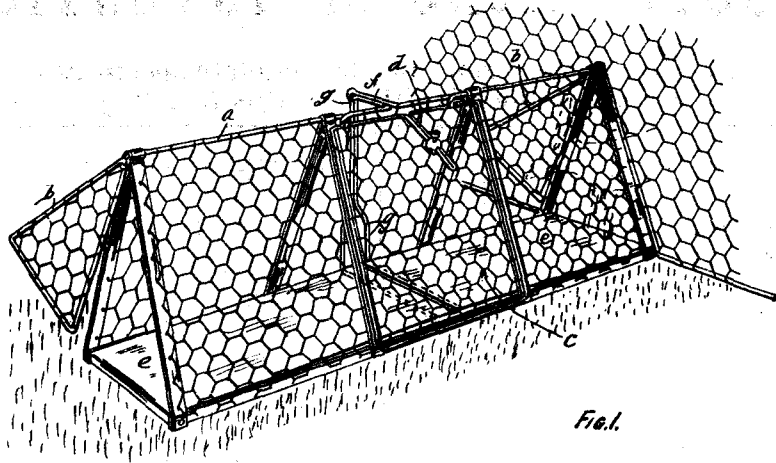
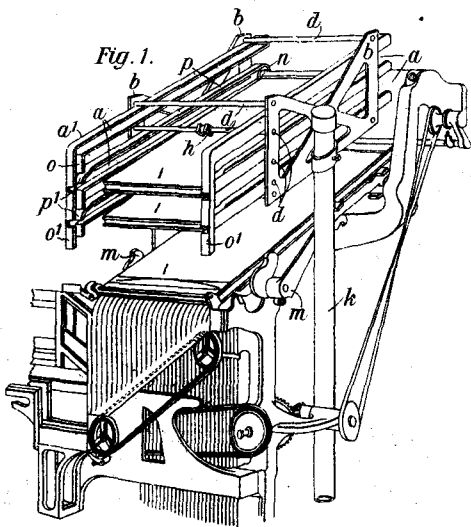
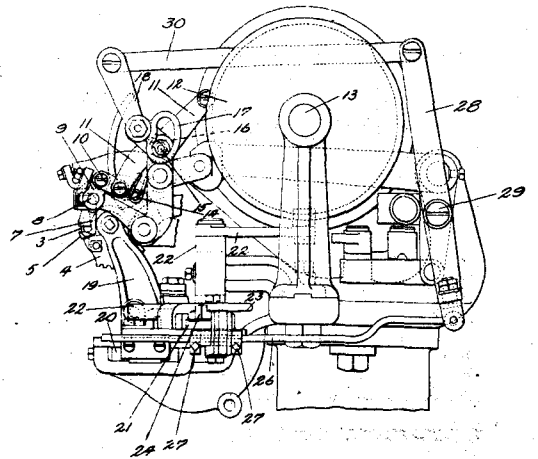


Fig. 1.

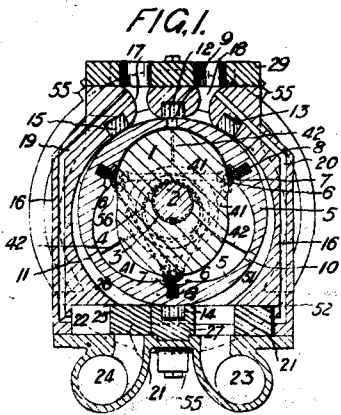
23767  
Lewers and Greer. Rabbit-trap. (Gerson and English.)



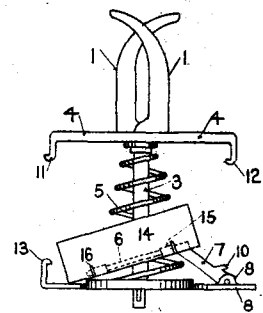
28748  
Hughes. Typographical Composing-machine. (Linotype & Machinery (Ltd.)—Scharf.)



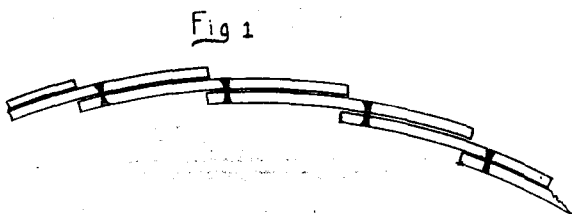
22288  
United Shoe Machinery Co. Shoe-machine. (Hadaway.)



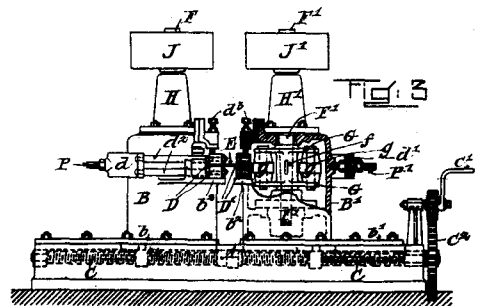
23753  
Alcorn. Rotary Engine.



23785  
Sara. Trap.

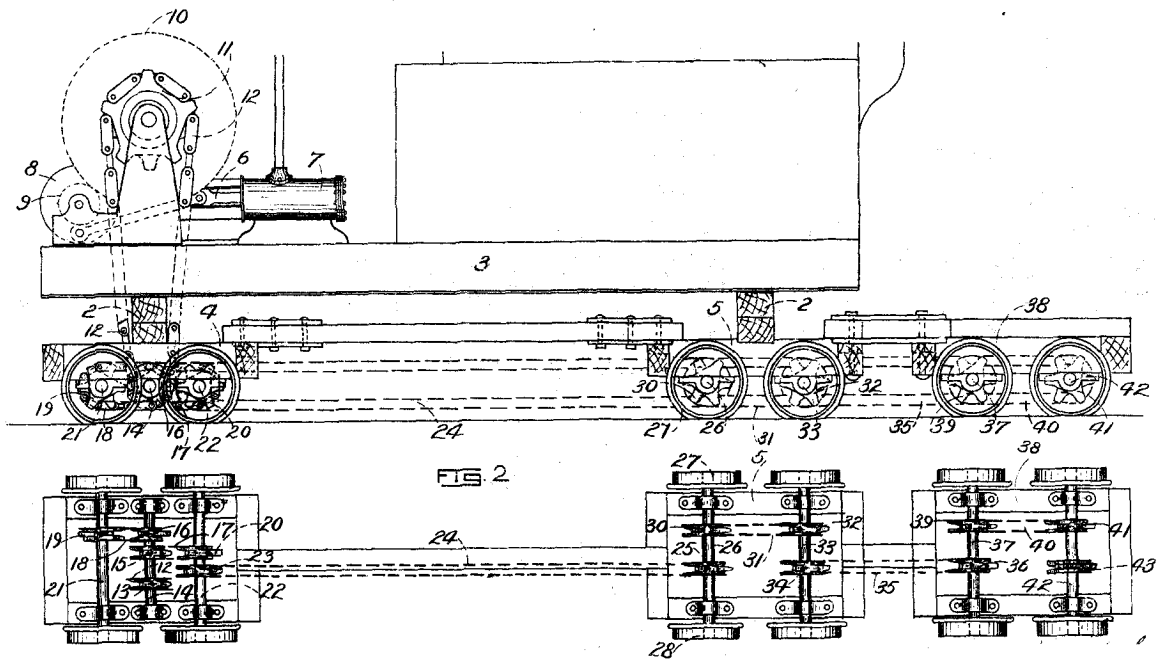


22329  
Lowden. Tyre-protector.

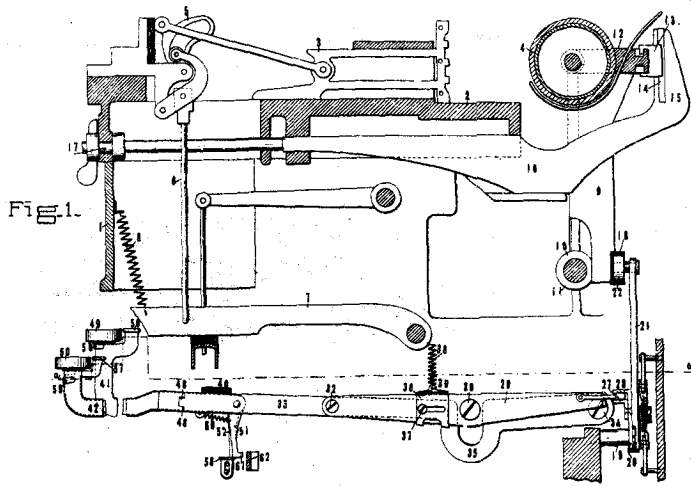


23772  
G. and C. Hoskins (Ltd.) Metal-working Machine. (Hoskins.)

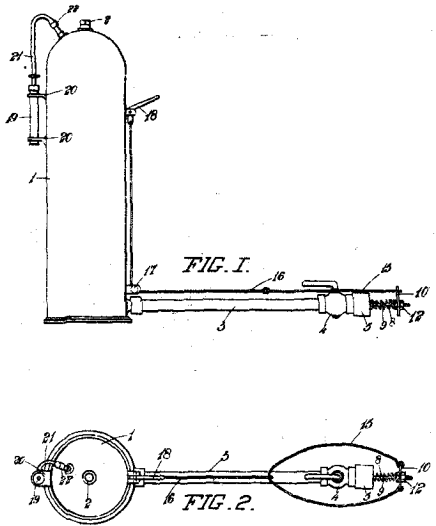




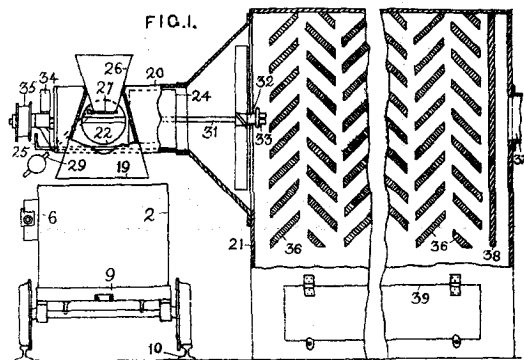
22704 Uddstrom. Locomotive-gear.



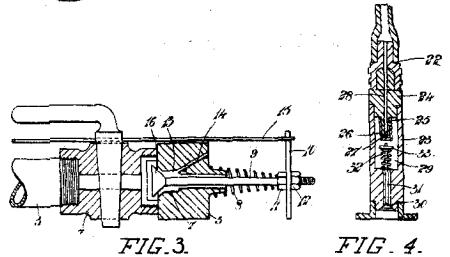
28747 Parker Machine Co. Typewriter. (Ronchetti.)



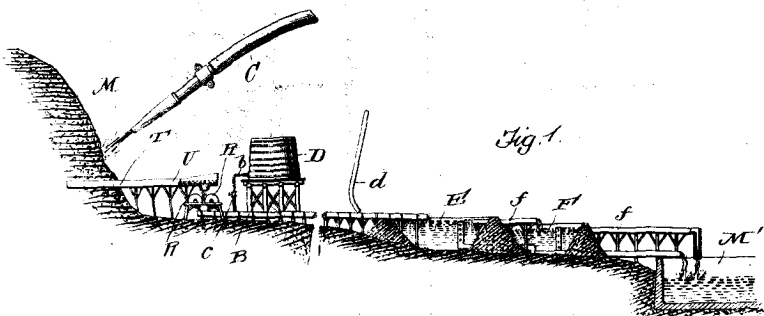
23180 Hunter-Weston. Rabbit-exterminator.



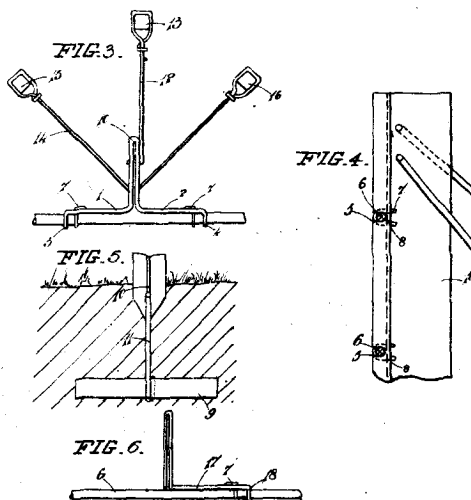
23752 W. and H. Simm. Zinc-oxide Production.



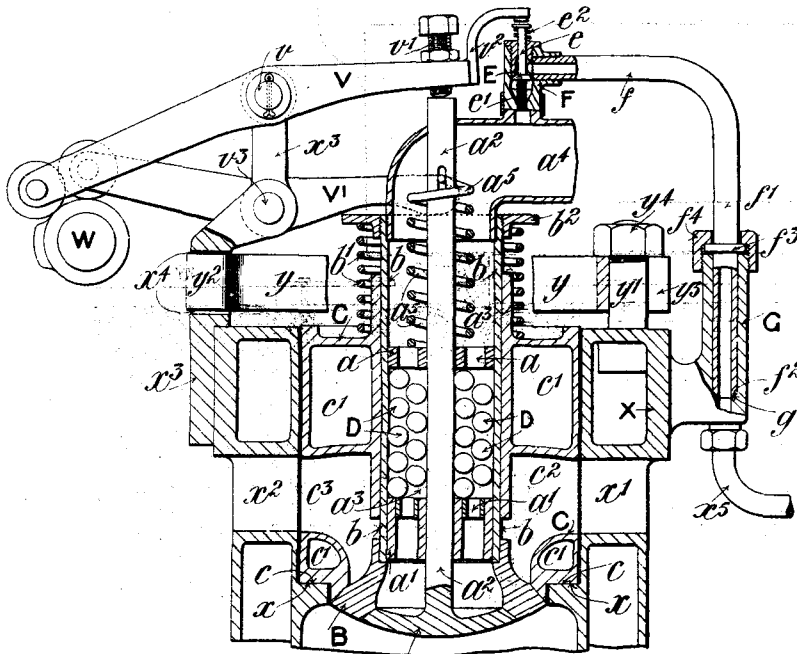
23180 Hunter-Weston. Rabbit-exterminator.



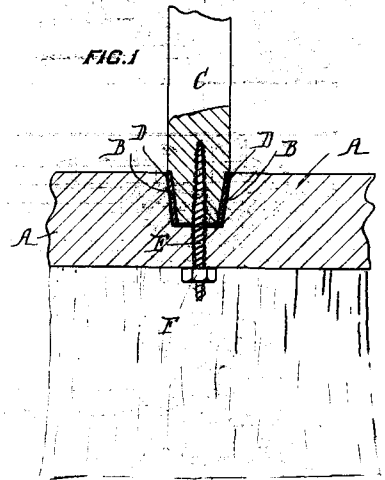
23764 Soderling. Ore-treatment.



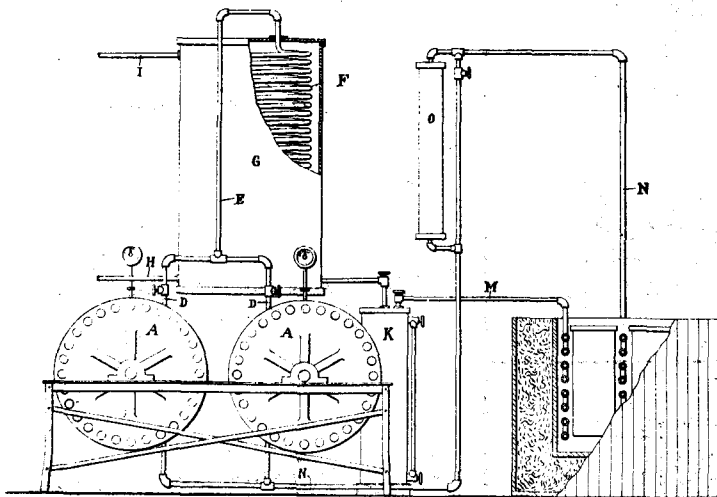
23757 Carr. Fencing-standard.



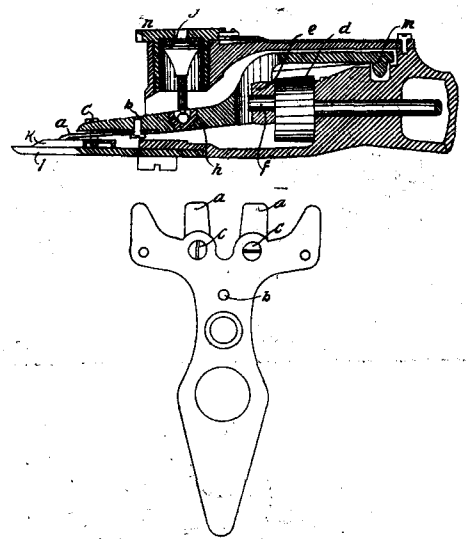
22630  
Clift. Internal-combustion Engine.



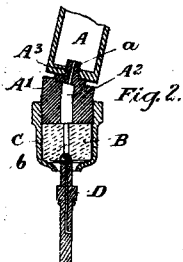
23725  
Trevethick. Broom-handle.



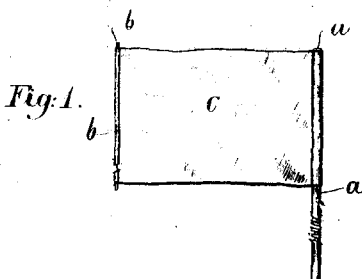
23780  
Scay International Ice and Refrigeration Machinery Co. Ice-machine.  
(Scay.)



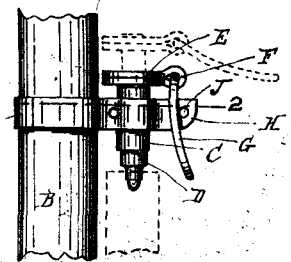
23766  
Leahy. Sheep-shearing Machine. (Sutton.)



23741  
Linard. Cycle-pump



23775  
Slater. Signal-flag.



23769  
Genet. Cycle-pump Holder.