

Patents, Designs, and Trade Marks

SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

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Complete Specifications and Drawings open to Inspection at Auckland, Dunedin, and Christchurch.

COPIES of the complete specifications and drawings advertised in the *Gazette* will be sent for public inspection to the

LOCAL PATENT OFFICES IN THE SUPREME COURT BUILDINGS

in the following towns on or about the dates mentioned:—

Auckland.

Gazette No. 16, of the 25th February. 3rd March to 18th March, inclusive.

Dunedin.

Gazette No. 16, of the 25th February. 24th March to 7th April, inclusive.

Gazette No. 12, of the 11th February. 10th March to 24th March, inclusive.

Gazette No. 7, of the 28th January. 24th February to 10th March, inclusive.

Christchurch.

Gazette No. 16, of the 25th February. 14th April to 28th April, inclusive.

Gazette No. 12, of the 11th February. 29th March to 13th April, inclusive.

Gazette No. 7, of the 28th January. 15th March to 29th March, inclusive.

Gazette No. 4, of the 14th January. 1st March to 15th March, inclusive.

[NOTE.—The office can take no responsibility if from any cause the specifications are not so available.]

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
Dominican Republic.	Madeira.
France, with Algeria and	Servia.
Colonies.	Spain.
Germany.	Sweden.
Great Britain.	Switzerland.
Holland, with East Indian	Tunis.
Colonies, Curaçoa, and	United States of America.
Surinam.*	

* 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 Dominion:—

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 12th November, 1908.

Classified illustrated abridgments of inventions from 1855 to 1905 and part of 1906.

Illustrated Official Journal, containing lists of recent applications, abridgments of inventions for which patents have been lately granted, patents void, &c., to January, 1909.

Index of Applicants.

Subject-matter Index.

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

Trade Marks Journal to December, 1908.

Canada.

Patent Office Record (containing illustrated abridgments of inventions, &c.) to August, 1908.

Australia.

The full text of the specifications and complete drawings in respect of applications accepted from the 11th January, 1906, to the 9th June, 1908, 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 years 1905 and 1906.

The Official Gazette of the United States Patent Office (containing illustrated abridgments of specifications, &c.) to January, 1909.

Mexico.

The Official Gazette of the Patent and Trade Mark Office.

(a) Discontinued.

(b) In arrears. Not now being printed.

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.

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.

(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, 1908, 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.

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^(a).
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^(b).
- Pamphlet containing Act and Regulations (price 1s.).

(a) 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.

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

Books, Documents, &c., open to Inspection at Local Patent Offices, Auckland, Christchurch, and Dunedin.

BOOKS, documents, &c., open to inspection, and forms, &c., procurable, at the local Patent Offices at Auckland, Christchurch, and Dunedin.

BOOKS, ETC., OPEN TO INSPECTION.

Complete specifications and drawings of inventions. (Note.—One set of the specifications and drawings is sent, on acceptance, to Auckland, Christchurch, and Dunedin in succession, remaining fourteen days at each place, as advertised in the *Gazette*. Search fee, 1s. per hour.)

Classified abridgments of inventions from 1st January to end of 1908. (Search fee, 1s.)

Weekly lists of applications for patents up to and including those filed on Friday may be seen on the following Monday. (Search fee, 1s.)

Name Index—Patents, 1861 to 1889. (Search fee, 1s.)

Annual Reports, containing alphabetical lists of applicants and subject-matter indexes since 1890.

Patents Supplement to the *New Zealand Gazette*.

Patents, Designs, and Trade Marks Act and Rules.

Acts and Rules of other countries.

Australian Official Journal of Patents.

FORMS, ETC., OBTAINABLE.

The following forms, &c., may be obtained on application:—

- Applications 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 designs and trade marks.
- Pamphlet containing Act and Regulations. (Price, 1s.)

NOTE.—The classified abridgments of the specifications and drawings of the United Kingdom may be seen in the Public Library. Other publications will be placed on file as soon as they are available.

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 1893 inclusive. (The lists for the last four of these years are contained in the *Annual Reports of the Registrar*.)

Annual reports of the Registrar, containing alphabetical indexes of applicants for letters patent and of subject-matter of inventions patented from 1894 to 1906 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 the reception of applications, supply of forms, &c., have been established at the following places:—

- Auckland—Supreme Court. (E. W. Cave, agent.)
- Whangarei—Courthouse. (W. J. Reeve, agent.)
- Thames—Courthouse. (J. Jordan, agent.)
- Waihi—Courthouse. (J. McIndoe, agent.)
- Hamilton—Courthouse. (H. J. Dixon, agent.)
- Gisborne—Courthouse. (G. J. A. Johnstone, agent.)
- New Plymouth—Courthouse. (J. Terry, agent.)
- Napier—Courthouse. (A. Trimble, agent.)
- Wanganui—Courthouse. (C. A. Barton, agent.)
- Taihape—Courthouse. (W. Baker, agent.)
- Palmerston North—Courthouse. (C. J. Hewlett, agent.)
- Masterton—Courthouse. (M. Foley, agent.)
- Nelson—Courthouse. (E. C. Kelling, agent.)
- Blenheim—Courthouse. (F. W. Hart, 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. (J. Fitzgerald, agent.)
- Timaru—Courthouse. (T. W. Tayler, agent.)
- Oamaru—Courthouse. (A. A. Mair, agent.)
- Dunedin—Supreme Court. (T. E. Roberts, agent.)
- Clyde—Courthouse. (F. T. D. Jeffery, agent.)
- Gore—Courthouse. (G. H. Lang, 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. 25541.—9th February.—J. Geary, Christchurch, N.Z.
Joint for railway rails.
- No. 25542.—9th February.—F. M. Norris, Kilbirnie, N.Z.
Preventing refilling of bottles.
- No. 25543.—10th February.—Monk and Maguire, Atherton, N.Q.
Railway-vehicle axle.
- No. 25544.—10th February.—M. Mederer, Bloemfontein, Orange River Colony.
Cooling-chamber.
- No. 25545.—10th February.—D. A. Lane, Oamaru, N.Z.
Shaft-block.
- No. 25546.—10th February.—A. A. Lockwood and M. R. A. Samuel, London, Eng.
Treatment of ores.* (Date applied for under section 98 of the Act, 19th March, 1908.)
- No. 25547.—10th February.—A. A. Lockwood and M. R. A. Samuel, London, Eng.
Treatment of ores.*

- No. 25548.—8th February.—H. R. Gerrie, Montreal, Canada, and W. Pender, Montreal aforesaid. Tobacco-leaf stripper.*
- No. 25549.—11th February.—W. Seifert, Palmerston North, N.Z. Washing flax.
- No. 25550.—9th February.—R. Adams, London, Eng. Filter.*
- No. 25551.—11th February.—J. McKay, Bendigo, Vic. Bed.
- No. 25552.—11th February.—W. Scott, Christchurch, N.Z. Flooring-cramp.
- No. 25553.—12th February.—A. T. C. Firth, Auckland, N.Z. Lifting clothes from washing-boiler.
- No. 25554.—12th February.—E. J. Chilton, Masterton, N.Z. Extension dining-table.
- No. 25555.—12th February.—L. G. Grace, Hawera, N.Z. A pendulum power- and vacuum-creating device.
- No. 25556.—12th February.—C. W. Symons, Christchurch, N.Z. Dress-protector for vehicles.
- No. 25557.—11th February.—J. H. Adams, Auckland, N.Z. Internal-combustion engine.
- No. 25558.—13th February.—W. Morton, Dunedin, N.Z. Float for current or paddle wheels.*
- No. 25559.—15th February.—H. W. Downing, Christchurch, N.Z. Saddle-tree.*
- No. 25560.—16th February.—National Wrapping-machine Company, Charleston, U.S.A. Wrapping-machine.* (J. M. Patterson.)
- No. 25561.—16th February.—A. Jensen, Eureka, U.S.A. Pasteurising process and apparatus.*
- No. 25562.—16th February.—L. Joseph, Pymont, N.S.W. Bedstead.
- No. 25563.—16th February.—M. Barraclough, Hawera, N.Z. Horse-kicking preventer.
- No. 25564.—12th February.—T. A. Dudley, Auckland, N.Z. Air-gas generator.
- No. 25565.—12th February.—H. Allan, Auckland, N.Z. Venetian blind.
- No. 25566.—15th February.—A. Findlay, Dunedin, N.Z. Device for drawing off beer. (W. P. Rodda.)
- No. 25567.—17th February.—T. Edwards, Ballarat, Vic. Treatment of auriferous matter by solvents.*
- No. 25568.—16th February.—D. Donald, Masterton, N.Z. Appliances for holding wool in packs.
- No. 25569.—16th February.—Haines Thermo Dynamic Motor Company, Pittsburg, U.S.A. Thermo-dynamic motor.* (L. A. Haines.)
- No. 25570.—16th February.—C. Reed, Auckland, N.Z. Window sash and frame.
- No. 25571.—15th February.—J. Parker, Auckland, N.Z. Wire-strainer attachment.
- No. 25572.—18th February.—J. B. Kelly, Johnsonville, N.Z. Water-strainer, &c.*
- No. 25573.—19th February.—K. Matthews, New Plymouth, N.Z. Pocket-knife.
- No. 25574.—19th February.—W. Lewis, Wellington, N.Z. Door or window fastener. (J. Lewis.)
- No. 25575.—17th February.—F. Walton, London, Eng. Road-vehicle suspension arrangement.*
- No. 25576.—17th February.—The Konomax Rock Drill Syndicate, Limited, Johannesburg, Transvaal. Valveless engine. (W. Mauss.)
- No. 25577.—17th February.—J. C. Clancy, New York, U.S.A. Treatment of ores.*
- No. 25578.—17th February.—W. Duggan, jun., Dunedin, N.Z. Door- and gate-closing apparatus.
- No. 25579.—16th February.—C. M. Beattie, New York, U.S.A. Telephone apparatus.
- No. 25580.—20th February.—John Chambers and Son, Limited, Auckland, N.Z. Safety mechanism for mining-cages.* (J. Thompson.)
- No. 25581.—19th February.—E. Brazenall, Stanthorpe, Q. Lower-tumbler gear of dredging-machines.*
- No. 25582.—22nd February.—W. Turnbull, Wellington, N.Z. Flusher for water-closet.*
- No. 25583.—22nd February.—F. Newth and C. Hawkins, Wellington, N.Z. Horse-pan for vehicles.

Complete Specifications filed after Provisionals.

LIST of complete specifications filed after provisional specifications, from the 9th to the 22nd February, 1909, inclusive:—

- No. 24259.—M. Saunders. Obtaining power from the action of the sea.
- No. 24299.—W. Henry. Window-sash.
- No. 24423.—A. Jack. Hydrocarbon-gas generator.
- No. 24424.—E. Wrigley. Flax-treatment.
- No. 24432.—R. H. Knox. Harvester-reel.*
- No. 24512.—J. M. Taylor and H. Oakley. Window.
- No. 24736.—G. P. Reston and J. F. Molloy. Overlay for process-block printing.
- No. 25222.—J. E. Owen. Block or tile for sewers.

* Inadvertently omitted from *Gazette* of 28th January.

Notice of Acceptance of Complete Specifications.

Patent Office,
Wellington, 24th February, 1909.

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. 23940.—29th January, 1908.—CORNELIUS MURNANE, of No. 20 Queensberry Street, North Melbourne, Victoria, Australia, Agricultural Machinist. Improvements in wind-mills.*

Extract from Specification.—In carrying out the invention the mill-body is made preferably in the form of a circular open framing, and constructed in two parts. The lower part is affixed to the top of the tower, whilst the upper part is mounted, and is free to rotate on ball or other antifrictional bearings arranged between the adjacent facings of the two parts of the said framing. The wind-wheel is supported on a shaft which is suitably affixed to the mill-body and out of the centre thereof. Formed integral with or affixed to the inside of the hub of the wind-wheel is a pinion which is adapted to gear with a wheel fitted to a crank-shaft positioned in alignment with that of the windmill, and supported on outwardly projecting brackets on the top part of the mill-body. The crank on the latter shaft operates in a slot in the outer end of a rocking-arm, which is pivoted about its centre in bearings on the mill-body parallel with the crank-shaft bearings. The inner end of the rocking-arm extends directly over the open centre of the mill-body, and upon it is located a slidable pump-rod connection fitted with oppositely arranged pawls and a lifter for operating the same. These pawls engage with ratchet-teeth formed in the top of the rocking-arm, and are for the purpose of retaining the sliding-connection at any point thereon. The pawl-lifter is connected to the slotted end of the rocking-arm by means of a strong spiral spring, which is arranged to act in opposition to a swinging-lever mounted on the mill-body. This swinging-lever is also connected to the pawl-lifter, and is actuated by an adjustable wind-sail which is retained parallel with the wind-wheel. The slidable pump-rod connection moves either inwardly or outwardly as the power of the spiral spring or the wind-sail on the swinging-lever predominates. Consequently, the length of stroke of the pump-rod is varied according to the change in the velocity of the wind. The wind-wheel I have devised and prefer to use for operating my mill is constructed essentially of an outer ring or frame, to the inner periphery of which the enlarged ends of the vanes are secured at even distances apart. The inner ends of the vanes are attached by means of a screw-and-nut connection to an inner ring secured concentric with and near the hub of the wheel.

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

(Specification, £1 5s.; drawings, 3s.)

No. 24083.—4th March, 1908.—UNITED SHOE MACHINERY COMPANY, of Paterson, in the State of New Jersey, United States of America, a corporation duly organized under the laws of said State of New Jersey, carrying on business as Shoe-machinery Manufacturers, and having a place of business at 205 Lincoln Street, Boston, in the Commonwealth of Massachusetts, in said United States of America (assignees of Charles Bennion, of Leicester, England, Engineer). Improvements in or relating to presses.*

Extract from Specification.—A principal feature of this invention relates to the provision in a press of the above character of actuating means extending into proximity to the pressure-applying member for causing the said pressure-applying member and bed to be moved relatively to each other for applying pressure to stock interposed between them. Preferably the pressure-applying member is provided with a handle for the convenience in adjusting it relatively to its bed, and the actuating means above referred to extends into proximity to said handle in the various positions which it assumes in positioning the pressure-applying member, so that the operator who has grasped said handle to properly position the pressure-applying member relatively to its bed may, without releasing said handle, start the actuating means with the same hand. This result may be accomplished by shaping the starting-device for the said actuating means to correspond with the path of movement of the handle in the adjustment of the pressure-applying member, so that said handle throughout its range of movement will be in close proximity to some part of said starting-device, and this construction and arrangement of actuating means and starting-device therefor to correspond to the path of movement of the handle forms another important feature of this invention. A third feature of this invention relates to the provision in a machine of the above class of a handle movable with the pressure-applying member for positioning said member relatively to its bed, but held against movement relatively to said bed as said member is actuated to apply pressure thereto, so that said member is movable to apply pressure to its bed independently of said handle.

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

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

No. 24150.—18th March, 1908.—MARTIN TRENWITH and HARRY HENDERSON SMITH, both of Auckland, New Zealand, Bootmakers. An improved machine for punching the eyelet-holes of boot-uppers and other analogous articles.*

Claims.—(1.) In machines for punching the eyelet-holes of boot-uppers and other analogous articles, in combination, a vertically moving plunger mounted above a base-plate and kept normally in a raised position, means for depressing such plunger, a die-block upon the lower end of the plunger, punches carried upon such block and extending downwards, and a die-plate secured to the base-plate and formed with apertures therein adapted to receive the punches when the plunger is depressed, substantially as specified. (2.) The improved machine for punching the eyelet-holes of boot-uppers and other analogous articles, constructed, arranged, and operating substantially as described and explained, and as illustrated in the drawings.

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

No. 24163.—23rd March, 1908.—CHARLES HENRY MATTHEWS, Manager for Messrs. Alcock and Co., of Wellington, New Zealand, Billiard-table Manufacturers. Improvements in or relating to billiard-tables.*

Claims.—(1.) In billiard-tables, means for attaching the cushion-covers to the side pieces, the same consisting of grooves formed in the top surfaces of such side pieces, and extending longitudinally in a line parallel with the inner edges thereof, in combination with strips adapted to fit into the grooves, substantially as specified. (2.) In billiard-tables, metal plates secured between the side pieces of the frame and the cushion-supporting strips, substantially as and for the purposes set forth. (3.) The improvements in billiard-tables, substantially as described and explained, as illustrated in the drawings, and for the several purposes set forth.

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

No. 24173.—25th March, 1908.—UNITED SHOE MACHINERY COMPANY, of Paterson, in the State of New Jersey, United States of America, a corporation duly organized under the laws of said State of New Jersey, carrying on business as Shoe-machinery Manufacturers, and having a place of business at 205 Lincoln Street, Boston, in the Commonwealth of Massachusetts, in said United States of America (assignees of Jacob Rupert Scott, of Boston aforesaid, Mechanical Engineer). Improvements in and relating to sewing-machines.*

Claim.—In a shoe-sewing machine, a mechanism that, operating independently of the pull on the thread, first raises the presser-foot from the work, then, to compress the work, depresses the foot through a distance greater than that to which it was raised, and finally releases the presser-foot to permit it to accommodate itself to variations in the thickness of the work.

[NOTE.—Here follow ten other claims.]

(Specification, £1 ls. 6d. ; drawing, 11s.)

No. 24219.—2nd April, 1908.—ANDREAS HEINRICH SCHMIDT, of 23 Church Street, Auckland, New Zealand, Mechanical Engineer. Improved diamond links of wire fabric for spring beds.*

Claim.—Links for the construction of wire fabric for spring beds of the class referred to, characterized by having its hooked ends slightly bent upwards from the plane of the link, substantially as and for the purposes specified.

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

No. 24250.—9th April, 1908.—PHILIP ALMA BULMER and GEORGE NELSON BULMER, both of Mangatoki, New Zealand, Farmers. Improvements in or relating to the teat-cups of milking-machines.*

Claims.—(1.) An inflatable lining for the teat-cups of milking-machines characterized by having a mouthpiece formed integrally therewith, and by having a flap extending around its outer periphery, also formed integrally therewith and adapted to fold down over the top edge of the teat-cup, substantially as and for the purposes specified. (2.) The inflatable lining for the teat-cups of milking-machines constructed as described and explained, and as illustrated in the drawings.

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

No. 24254.—10th April, 1908.—CHARLES DAHL, of Palmerston North, New Zealand, Dairy-machinery Merchant. Improvements relating to vacuum milking-machines.*

Claims.—(1.) In vacuum milking-machines, the employment of a receiving-vessel intercepting the air-pipe between the milk-pails and the vacuum tank, substantially as set forth. (2.) In milking-apparatus, the employment of a metal receiving-vessel having a glass panel, and intercepting the air-pipe between the milk-pail and the vacuum tank, substantially as set forth. (3.) In milking-apparatus, the employment of a receiving-vessel by which milk is prevented from entering the vacuum tank, substantially as set forth.

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

No. 24258.—11th April, 1908.—ERNEST CHARLES AUSTIN, of Wanganui, New Zealand, Foreman of Works. Improvements in or relating to spirit-levels.*

Claims.—(1.) The combination with a spirit-level of a mirror hinged thereto in such a manner as to assume an angle of 45°, with its reflecting surface facing downwards above the spirit-tube of the level and longitudinally therewith, substantially as specified. (2.) In combination, a spirit-level, a metal frame hinged thereto above the spirit-tube, and adapted to turn in a plane longitudinally with the level, and a mirror placed within the metal frame with its reflecting surface so arranged as to face downward when the frame assumes an angle of 45° with the top surface of the level, substantially as specified.

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

No. 24262.—10th April, 1908.—ARCHIBALD CLARK ANDERSON, of Stirling Point, Bluff, New Zealand, Farmer. Automatic weight-indicating apparatus for railway-wagons, carts, and the like.*

Claims.—(1.) The complete automatic weight-indicating apparatus for railway-wagons, carts, and the like, substantially as described or illustrated in the drawings. (2.) In automatic weight-indicating apparatus such as described, means for obtaining a true balance on the lever (5), comprising a sliding weight on said lever (5) and a system of jointed levers whereby said weight is caused to slide along said lever (5) as the wagon-body or the like descends, substantially as described. (3.) In automatic weight-indicating apparatus such as described, means such as the diagonal stay (27) whereby the weight is caused to be registered in whatever part of the wagon-body or the like goods are placed, substantially as described.

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

No. 24284.—16th April, 1908.—CHARLES SUTTIE, of Wairoa, Flax-miller, and MONTAGUE HARRISON WYNARD, of Auckland, Solicitor, both in New Zealand. Improved means of cleansing fibres.*

Claim.—(1.) An apparatus for the purpose mentioned, combining a series of rotated grooved or flanged wheels, a travelling conveyor-band passing round such series of pulleys, two parallel bars or surfaces so disposed along the "travel" of the conveyor-band as to give a longitudinal opening between them of a width sufficient to permit any flax-fibres carried by the conveyor-band to pass into and along same, but not sufficient to permit the conveyor-band to be drawn through, in combination with a cleansing apparatus such as one of those described in the applicant's Letters Patent Nos. 18917, 22076, and 23452, substantially as and for the purposes described.

[NOTE.—Here follow two other claims.]

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

No. 24316.—29th April, 1908.—ISAAC FRANCIS TAYLOR, of 5 Upland Road, East Dulwich, London, England, Van-builder, and SAMUEL PICK, of 115 Queen Victoria Street, London, E.C., England, Wholesale Furrier. Improvements in cranes, fire-escapes, and similar apparatus.*

Extract from Specification.—The invention consists in pivoting a small jib crane to a fixed stanchion or other support, and providing upon the shaft of the rope-winch a brake-drum, to which a brake is applied by the tension of the tie or flexible connection supporting the outer extremity of the jib. The support may be fixed—e.g., inside the window or opening—so that the crane can be revolved round the stanchion to be completely inside and behind shutters or curtains, or can be revolved so that the jib is outside and clear of the wall.

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

(Specification, 5s. 6d.; drawings, 2s.)

No. 24399.—13th May, 1908.—DONALD ROBERTSON, of Wellington, New Zealand, Civil Servant. Improvements in post-marking machines.*

Claims.—(1.) In a post-marking machine, a separator consisting of an eccentrically journalled spring-controlled disc, substantially as described and illustrated. (2.) In a post-marking machine, an eccentrically journalled spring-controlled disc-separator in operative combination with a grooved feed-roller, substantially as described and illustrated. (3.) In a post-marking machine, a marking-roller loosely mounted on a continuously rotating spindle, as and for the purpose described. (4.) In a post-marking machine, an eccentrically journalled spring-controlled disc-separator in operative combination with a grooved feed-roller and with a marking-roller loosely mounted on a continuously rotating spindle, substantially as and for the purpose set forth. (5.) In a post-marking machine, an eccentrically journalled spring-controlled disc-separator in operative combination with a grooved feed-roller and with a marking-roller mounted on a continuously rotating spindle, said marking-roller being mounted

on the right-hand side of the letter-path as viewed from the feeding-end of the machine, as and for the purpose described. (6.) In a post-marking machine, a balance-wheel at the extreme end of the gear-train, as and for the purpose described. (Specification, 5s. 6d.; drawings, 1s.)

No. 24466.—30th May, 1908.—ROBERT McDONALD, of Lumsden, New Zealand, Blacksmith.* An improved construction of hook for swingle-trees and other analogous purposes.*

Claims.—(1.) A hook for swingle-trees and the like, formed by looping the respective ends of the shank round into S form, and then bending such ends outwards from the plane of the shank and across above the shank in a plane approximately parallel therewith so as to overlap each other, substantially as specified. (2.) The improved construction of hook for swingle-trees and other analogous purposes, substantially as described and explained, and as illustrated in the drawings.

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

No. 24595.—1st July, 1908.—JAMES SNODGRASS, of 98 Siemert Road, Doornfontein, Johannesburg, Transvaal, Chemical Engineer. Improvements in the manufacture of cyanides, and apparatus therefor.*

Claims.—(1.) In a process for the manufacture of cyanides, the use of the double carbonates of barium and sodium, or barium and potassium, substantially as described. (2.) In a process for the manufacture of cyanides as claimed in the preceding claim, the reduction of the sodium or potassium from its carbonate to the metallic state to facilitate the reduction of the barium-carbonate whereby the combination of the barium with the carbon and nitrogen is facilitated, substantially as described. (3.) In a process for the manufacture of cyanides, as claimed in the preceding claims, the use of the several ingredients enumerated, substantially in the proportions specified. (4.) A process for the manufacture of cyanides from barium-carbonate and charcoal in which the mixture is heated externally and internally by the introduction thereto of superheated atmospheric air, substantially as described. (5.) In apparatus for carrying out the process for the manufacture of cyanides, means for heating the chamber or tube externally and means for introducing atmospheric air (which has preferably been superheated) into the mass some distance below the top of the chamber or tube, substantially as and for the purpose described.

[NOTE.—Here follow two other claims.]

(Specification, 8s.; drawing, 2s.)

No. 24694.—20th July, 1908.—MICHAEL JOHN McGRATH, of 126 Molesworth Street, Wellington, New Zealand, Tally Clerk. Improvements in loading coal or any similar substance at sea or wharf.*

Claims.—(1.) Means for coaling vessels at sea, comprising, in combination, a hopper erected upon a coaling-vessel, and having an inclined bottom, and downwardly projecting shutes communicating with the bunkers of the vessel to be coaled, substantially as set forth. (2.) In the means for coaling vessels described in claim 1, retaining-doors in the shutes operable by levers, substantially as set forth. (3.) In means for coaling vessels as described, extension-pipes adapted to be placed on the end of the shutes for evenly distributing the coal, substantially as set forth.

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

No. 25081.—15th October, 1908.—CHARLES WALTER ECCLESTON, of 2516 Fairmont Street, Los Angeles, California, United States of America, Mechanic. Improvements in ore-concentrators.

Claims.—(1.) In an ore-concentrator, a concentrating table or surface having a movement whose tendency is to carry the material longitudinally forward toward the tail or foot of the table, and flexible tension means arranged to operatively support such concentrating surface and place the same under

tension substantially in its own plane. (2.) In an ore-concentrator, a concentrating surface having a reciprocatory movement whose tendency is to carry the material longitudinally forward toward the tail or foot of the table, means arranged to operatively support said surface and place the same under tension substantially in its own plane, and means for increasing said tension at one end of the reciprocatory movement. (3.) In an ore-concentrator, a concentrating table or surface having a movement whose tendency is to carry the material longitudinally forward toward the tail or foot of the table, and flexible tension means extending from opposite edges of the same to operatively support such concentrating surface and place the same under tension substantially in its own plane.

[NOTE.—Here follow sixteen other claims.]

(Specification, 16s. 6d. ; drawings, 3s.)

No. 25112.—20th October, 1908.—Dr. JOHN ALTON HARRISS, of 141 Riverside Drive, New York, United States of America, Physician (assignee of James Smith Larier, of West Point, Georgia, United States of America, Inventor). Improvements in mail receiving and delivering apparatus.

Extract from Specification.—This invention relates to improvements in mail receiving and delivering apparatus, and more particularly to the type designed to facilitate the collection and delivery of mail by a mounted carrier without requiring him to leave his seat. Among the objects in view is the provision of means for facilitating the movement of a container into a carriage, or otherwise away from its normal support, and the returning of the same to its normal position without injury to the container or the support. Another object in view is the provision of sustaining means for a container, a support therefor, and means between the sustaining means and support for causing the container to move by gravity to its normal position after having been moved away from the same.

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

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

No. 25189.—5th November, 1908.—HENRY SPENCER SPACKMAN, of Ardmore, Montgomery, Pennsylvania, United States of America, Engineer. Improvements relating to cement-burning apparatus.

Claims.—(1.) In cement-burning apparatus, an elongated rotary kiln mounted at a slight inclination, means to feed cement material into the upper end of said kiln, means to rotate said kiln to carry the material up the ascending side of the same and agitate and gradually feed said material downward through said kiln, a burner-tube for injecting heated gaseous carbonaceous fuel into said kiln, and means to effect the entry into said kiln of air for combustion of said fuel to produce an elongated luminous flame in said kiln and thereby heat and clinker the same material by radiation. (2.) In cement-burning apparatus, an elongated rotary kiln mounted at a slight inclination, means to feed cement material into the upper end of said kiln, means to rotate said kiln to carry the charge of material up the ascending side of the same and agitate the material and gradually feed the same down through said kiln, an air-preheating clinker-cooler receiving the intensely heated cement-clinker from said rotary kiln, and heating the air passing through said cooler and into said kiln to form an envelope of highly heated air for combustion, substantially enclosing the burning fuel, and means to feed into said kiln a jet of carbonaceous fuel to produce a luminous flame therein, heating and clinkering the material therein by radiation. (3.) In cement-burning apparatus, a rotary kiln, a hood at the lower end of said kiln, a plurality of producers closely adjacent to said kiln, gas-connections having non-conducting lining between said producers and said kiln to feed producer-gas into said kiln without undesirable cooling or deposition losses, said connections comprising a substantially horizontal gas-pipe connected with said producers, a burner-tube extending in said kiln, a riser connected with said burner-tube and extending on either side of said gas-pipe and clean-outs in said rise, substantially in line with said burner and gas-pipe.

[NOTE.—Here follow nine other claims.]

(Specification, 11s. 6d. ; drawings, 3s.)

No. 25405.—24th January, 1908.—WILLIAM HAY CALDWELL, of Morar Lodge, Mallaig, Invernesshire, Scotland, Gentleman. Improvements in or relating to the production of sensitised surfaces or films for photographic purposes.

[NOTE.—This is an application under section 106 of "The Patents Act, 1889," the date given being the official date of the application in Great Britain.]

Claims.—(1.) As a new article of manufacture, a sensitive photographic surface containing a halogen salt and a substance such as set forth which is incapable of reduction in the light after its oxidation by the halogen set free by exposure of the surface to light, which will not reduce, in the dark, the sensitive salt present, and which will absorb the halogen as rapidly as it is set free by the action of light on exposure. (2.) A sensitive photographic surface such as referred to in the preceding claim comprising a vehicle, one or more halogen salts, as for example one or more silver halogen salts, and a salt or derivative of hydrazine or hydroxylamine.

[NOTE.—Here follow four other claims.]

(Specification, 7s. 6d.)

No. 25428.—9th January, 1909.—THE IMPERIAL WRITING-MACHINE COMPANY, LIMITED, a body corporate established under the laws of the Dominion of Canada, and having its headquarters at No. 80 St. Francis Xavier Street, Montreal, Canada (assignees of Charles Wesley Davis, of 45 Mackay Street, Montreal aforesaid, Manufacturer, and George William Davis, of 69 Prospect Street, Westmount, Montreal aforesaid, Superintendent). Improvements in typewriters.

Claims.—(1.) In a typewriting-machine, the combination with the platen and feed-roll of a combined paper-clip guide and cover for the feed-roll as described. (2.) A cover for the feed-roll consisting of an embossed plate adapted to partially enclose the feed-roll as described and illustrated in Figs. 1, 3, 4, 5, 6, 7, 10, and 11. (3.) In a typewriting-machine, the combination with the vibratory carriage, the plater, and feed-roll of a combined paper-clip guide and cover for the feed-roll consisting of a plate embossed to partially enclose such feed-roll, and having its top edge bent to present a shoulder and rail, means for attaching the said plate to the side frames of the vibratory carriage, and a pair of paper-clips slidably mounted upon the rail and supported by the shoulder as described and illustrated in Figs. 1, 10, and 11.

[NOTE.—Here follow ten other claims.]

(Specification, 8s. ; drawings, 3s.)

No. 25442.—13th January, 1909.—JAMES GODBER, of Cuba Street, Wellington, New Zealand, Confectioner. Method of ornamenting bride-cakes and the like.

Claims.—(1.) A method of ornamenting bride-cakes and the like consisting in the employment of an independent and removable shell or cover, substantially as and for the purposes set forth. (2.) The mode of forming an independent shell or cover for bride-cakes and the like, substantially as specified.

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

No. 25459.—16th January, 1909.—HERBERT JAMES WOOD, of Madras Street, Christchurch, New Zealand, Commercial Traveller. Improvements in kettle-lids.

Claims.—(1.) A kettle-lid of cone shape having perforations at its apex, substantially as specified. (2.) A cone-shaped kettle-lid having perforations at its apex and a knob of non-conducting material, substantially as and for the purposes specified.

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

No. 25463.—18th January, 1909.—UNITED CENTADRIK MANUFACTURING COMPANY, a corporation of the State of New York, having their place of business at 1440 Broadway, New York, United States of America (assignees of Henri Pein, of 1440 Broadway, New York aforesaid, Mechanic). Improvement in automatic carbonating and vending apparatus.

Claims.—(1.) In a machine of the class described, the combination of a revolvable holder and a revolvable carrier having opposing faces spaced apart substantially the thickness

of a coin disposed in the plane between the faces of the said revolvable members, pins on one of said members adapted to engage and support the edge of the coin, and means on the carrier for engaging the edge of the coin held by the said holder, and means for revolving one of said revolvable members. (2.) In a machine of the class described, the combination of a plurality of revolvable members having opposing faces spaced apart for the reception of a coin and substantially the thickness of a coin disposed in the plane between them, the faces of said revolvable members, a chute for directing the coin between the revolvable members having its slot in the plane of the space between said revolvable members, projections on one of said revolvable members adapted to engage the edge of a coin to support the same, and means on the second revolvable member for engaging the edge of the coin held by the holder, and means for revolving said second revolvable member whereby the coin will cause both members to revolve together. (3.) In a machine of the class described, the combination of a revolvable holder and a revolvable carrier having opposing faces spaced apart for the reception of a coin placed between the planes of the faces of said revolvable members, pins on the holder adapted to engage and support the edge of the coin, means or the carrier travelling outside the arc of said supporting-pins for engaging the edge of the coin whereby the revolvable members will be caused to move together, and means on said carrier moving inside the arc of travel of the said supporting-pins adapted to engage the edge of the coin and eject the latter. (4.) In a carbonator or similar device, an air-vent comprising a tube with a valve at its top controlled by a float, and a weight-controlled valve at its lower extremity, means for admitting water, and means for admitting gas.

[NOTE.—Here follow thirty-eight other claims.]

(Specification, £1 14s. ; drawings, 8s.)

No. 25464.—18th January, 1909.—SAMUEL HANCOCK DAVEY, of Waitoa, New Zealand, Farmer. An improved combined wheel-lock and horse-holder.

Claims.—(1.) The combined wheel-lock and horse-holder consisting of a strap adapted to encircle the felloe of the wheel, a ring adjustably secured upon such strap and adapted to receive the reins, and a chain-connection between the strap and a fixture upon the vehicle-body, substantially as specified. (2.) The improved combined wheel-lock and horse-holder, substantially as described and explained, and as illustrated in the drawings.

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

No. 25486.—21st January, 1909.—WILLIAM MORTON, of Princes Street, Dunedin, New Zealand, Mechanical Engineer. Improved metal joints for wood-framing.

Claims.—(1.) In coupling wood-frames together where they may need to be taken down, in combination with said frames, a metal plate secured to one part, with studs enlarged at their outer ends and made to engage the said plate, all substantially as shown on the drawing and as described and explained. (2.) In joints of framing for taking apart as needed, a metal plate having bosses to take the weight off the screws that secure it, and bevelled slots enlarged at tops, with studs secured to another part of the frame enlarged at their outer ends and formed to engage the said slots in the plate, all substantially as set forth.

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

No. 25496.—27th January, 1909.—ENGELBERT SCHWER, of 154 Enmore Road, Enmore, Sydney, New South Wales, Australia, Master Plumber. An improvement in the construction of sheet-metal baths.

Claims.—(1.) The cast-metal angle-pieces on corners of bath which are so formed as to support the sheet-metal beading of bath, substantially as described. (2.) The method in which the strengthening-board is kept in position, consisting of cast-iron bearers and centre stay, substantially as described.

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

No. 25499.—28th January, 1909.—ALBERT EDWARD WHITELOW, of 46 Dwyer Street, Clifton Hill, Victoria, Australia, Manager. An improved method of forming the uppers of boots or shoes.

Claims.—(1.) In a method of forming the uppers of boots or shoes, cutting the two pieces of which the back part is composed, one wider than the other, with their back edges cut so that where the shape to be produced at the back is concave the larger piece is cut with a curve of less radius than the curve of the smaller part, and where the shape to be produced at the back is convex the smaller piece is cut with a curve of less radius than the curve of the larger part, the two pieces being fastened together with a seam upon one side only, substantially as described. (2.) A method of forming the uppers of boots or shoes consisting of cutting the back part of the upper of two pieces A and B, one of which is wider than the other, so that when joined together they form a seam upon one side only, the back edges of such pieces being such that from the heel to the golph the smaller piece B is cut with a curve *b5-b6* of less radius than the curve *a5-a6* of the larger piece A, while from the golph to a point behind the ankle the larger piece A is cut with a curve *a6-a7* of less radius than the curve *b6-b7* of the smaller piece B, the two pieces A and B being stitched together, making the edge *a5-a6* conform to the edge *b5-b6*, and then the edge *a6-a'* conform to the edge *b6-b'* as they pass through the sewing-machine, substantially as described. (3.) A method of forming the uppers of boots or shoes consisting of cutting the back part of the upper of two pieces A and B, one of which is wider than the other, so that when joined together they form a seam upon one side only, the back edges of such pieces being such that from the heel to the golph the smaller piece B is cut with a curve *b5-b6* of less radius than the curve *a5-a6* of the larger piece A, while from the golph to a point behind the ankle the larger piece A is cut with a curve *a6-a7* of less radius than the curve *b6-b7* of the smaller piece B, the distance from *a6-a7* being slightly less than the distance between *b6-b7*, the two pieces A and B being stitched together making the edge *a5-a6* conform to the edge *b5-b6*, and then the edge *a6-a'* conform to the edge *b6-b'* as they pass through the sewing-machine, the point *a7* being made to conform with the point *b7* by stretching the edge *a6-a7* of the larger piece A as it passes through the machine, substantially as described.

(Specification, 5s. 6d. ; drawings, 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 February, 1909.

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

No. 25419.—T. H. Gillman and L. G. Grace, hydraulic vacuum pump.

No. 25453.—W. Dall, wire-fence dropper.

No. 25480.—R. Millis, saving fine gold from sand or silt.

No. 25481.—C. Mills, window-lock.

No. 25482.—E. H. Brooker, suction-blast seed stripper and dresser.

No. 25487.—J. G. Watt and W. Barnsdale, seed-grader.

No. 25501.—F. J. Easther, window and blind attachment.

No. 25502.—T. and H. Vivian, hair-curler.

No. 25503.—F. H. Trevellian, document-file.

No. 25505.—E. Brandon, laundry-iron heater.

No. 25507.—A. P. Carlyle, clothes-washer.

No. 25517.—J. P. Carmine, automatic coupling.

No. 25519.—H. G. Freeman and G. R. Warren, bowl-testing device.

No. 25534.—T. S. Philpott, voting-machine.

- No. 25535.—J. O. Suckling, A. H. Herbert, and E. Page, flushing mechanism.
- No. 25539.—T. Jackson, scrub-cutter.
- No. 25545.—D. A. Lane, double-harness shaft-block.
- No. 25549.—W. Seifert, flax-washer.
- No. 25551.—J. McKay, bedstead.
- No. 25552.—W. Scott, flooring-cramp.
- No. 25554.—E. J. Chilton, extension dining-table.
- No. 25556.—C. W. Symons, dress-protector for vehicles.
- No. 25557.—J. H. Adams, internal-combustion engine.
- No. 25563.—M. Barraclough, kicking-strap.
- No. 25576.—The Konomax Rock Drill Syndicate, Limited, valveless engine. (W. Mauss.)

[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 8th to the 22nd February, 1909, inclusive:—
- No. 23257.—C. T. Tatum, ladder.
 - No. 23556.—L. A. H. Longuet and J. H. Hopkins, trousers-stretcher.
 - No. 23610.—C. Uddstrom, chain and sprocket gearing.
 - No. 23621.—J. T. Hunter, dress-chart. (I. Charles.)
 - No. 23627.—Millar's Harvester Company, draught-equaliser for vehicles. (S. Millar.)
 - No. 23640.—J. R. Park, electric-lamp filaments. ("Z" Electric Lamp Syndicate, Limited—H. Zerning.)
 - No. 23656.—F. N. Jones, poncho.
 - No. 23727.—E. Hayes, fencing-link.
 - No. 23826.—H. L. Finnis, docking and branding iron.
 - No. 23851.—H. R. Radford, egg-carrier.
 - No. 23866.—J. C. Benn, extension ladder.
 - No. 24028.—R. F. Marsh, spring mattress.
 - No. 24029.—E. H. Moore and J. F. Cripps, securing rugs on horses.
 - No. 24178.—J. Hargreaves, ventilator.
 - No. 24578.—W. J. C. Downey, wind-gauge and vernier elevator.
 - No. 24584.—S. J. Whiter, roofing-tile.
 - No. 24631.—J. Jowett, coal-treatment.
 - No. 24663.—E. Kempshall, tire.
 - No. 24712.—F. S. Greer, fumigating and spraying apparatus.

Letters Patent on which Fees have been paid.

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

SECOND-TERM FEES.

- No. 19079.—A. Z. Clark, precipitating gold from cyanide-solutions. (T. W. Clark.) 10th February, 1909.
- No. 19086.—The New Zealand Twentieth Century Gas Company, Limited, combustible-gas production. (R. W. Stuart.) 15th February, 1909.)
- No. 19117.—W. B. Devereux, agitating apparatus. 20th February, 1909.
- No. 19118.—A. H. E. Fischer, water-heater. 19th February, 1909.
- No. 19119.—A. S. Patterson, mower. (L. M. Jones, R. H. Verity, and C. McLeod.) 15th February, 1909.
- No. 19167.—J. Gray, seed, &c., sower. 11th February, 1909.
- No. 19898.—A. B. C. Coupler, Limited, railway-buffer coupler. (J. T. Jepson.) 10th February, 1909.

THIRD-TERM FEES.

- No. 14518.—The Ore Concentration Company (1905), Limited, separation of mineral substances. (A. S. Elmore.) 12th February, 1909.

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

THE request to correct the clerical errors in the specification in respect of application for Letters Patent No. 24959—G. Harker—Fumigator (advertised in Supplement to *New Zealand Gazette*, No. 7, of the 28th January, 1909), has been allowed.

B

Subsequent Proprietors of Letters Patent registered.

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

- LINOTYPE and Machinery, Limited, of 188 and 189 Fleet Street, London, England, registered as proprietors of the following patents:—
- No. 8815.—Linotype-machine. (Linotype Company, Limited—The National Typographic Company—O. Mergenthaler.)
 - No. 8842.—Linotype-machine. (Linotype Company, Limited—The National Typographic Company—O. Mergenthaler.)
 - No. 11359.—Electrical heating and melting. (Linotype Company, Limited—J. Place and M. Barr.)
 - No. 12027.—Machine for making printing-bars. (Linotype Company, Limited—E. Waters, jun.—O. Mergenthaler.)
 - No. 12141.—Linotype-machine. (Linotype Company, Limited—E. Waters, jun.—O. Mergenthaler.)
 - No. 12142.—Linotype-machine. (Linotype Company, Limited—E. Waters, jun.—O. Mergenthaler.)
 - No. 13265.—Matrice of linotype-machine. (Linotype Company, Limited—E. Waters, jun.—W. H. Lock, M. Barr, W. J. Lewis, and G. W. Hughes.)
 - No. 13308.—Linotype-machine. (Linotype Company, Limited—E. Waters—W. H. Lock, and F. J. Wich.)
 - No. 13638.—Linotype-machine. (Linotype Company, Limited—E. Waters, jun.—C. Holliwel and R. C. Elliott.)
 - No. 13864.—Linotype-machine. (Linotype Company, Limited—E. Waters, jun.—The Safe Deposit and Trust Company and A. Greenleaf—O. Mergenthaler.)
 - No. 13405.—Linotype and Machinery, Limited, of 188 and 189 Fleet Street, London, England. Printing music typographically. (The Linotype Company, Limited—E. Waters, jun.—J. Broadhouse.) 18th February, 1909.
 - No. 14199.—Linotype-machine mould and casting mechanism. (Linotype Company, Limited—E. Waters, jun.—C. Holliwel.) 12th February, 1909.
 - No. 17971.—Mauri Brothers and Thomson, Limited, of Sydney, in the State of New South Wales, Commonwealth of Australia. Oven. (C. F. F. Allan.) 12th February, 1909.
 - No. 25057.—Geoffrey Bruton Sweet, of Symonds Street, Auckland, New Zealand, Medical Practitioner, registered as proprietor of one-tenth share. Construction of walls and partitions of buildings. (J. Mitchell.) 13th February, 1909.
 - No. 25070.—Geoffrey Bruton Sweet, of Symonds Street, Auckland, New Zealand, Medical Practitioner, registered as proprietor of one-tenth share. Construction of walls and partitions of buildings. (J. Mitchell.) 13th February, 1909.

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 22nd February, 1909, inclusive:—
- No. 24223.—C. S. Burgon, ship's course indicator.
 - No. 24235.—T. and J. J. Fleming and M. K. and N. H. Mackenzie, ironing appliance.
 - No. 24244.—J. S. Douglas, trolley-pole controller.
 - No. 24247.—L. T. Reichel and E. F. Reichel, temperature-recorder.
 - No. 24248.—L. T. Reichel and E. F. Reichel, temperature-recorder.
 - No. 24251.—H. W. Yeoman, bicycle-crank.
 - No. 24257.—M. G. Newbould, electric tramway.
 - No. 24260.—A. J. Park, picture-mount cutter.
 - No. 24261.—A. J. Park, plan, picture-mount, &c., marker.
 - No. 24264.—G. Westmoreland, spouting-bracket.
 - No. 24265.—R. A. O. Walter, envelope.
 - No. 24266.—L. T. Dabara, handcuff.
 - No. 24268.—W. B. Giesen and E. T. Ryan, tire-cover.
 - No. 24275.—D. W. Finlay, chaff-cutter-knife sharpener.
 - No. 24278.—F. A. Robinson, garden-peg.
 - No. 24279.—L. T. and E. F. Reichel, temperature-recorder.
 - No. 24287.—N. Guthridge, ore-screen. (H. S. King.)
 - No. 24288.—J. Meagher and A. W. Ellis, reinforced concrete post.
 - No. 24290.—H. P. Rasmussen, auriphone.
 - No. 24292.—C. G. White, animal-trap. (D. R. Cooper.)
 - No. 24296.—A. Rocard, concrete pipe.
 - No. 24297.—E. C. Reynolds, bathroom-occupation indicator.
 - No. 24298.—J. T. Kibblewhite, sash-adjuster.

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 22nd February, 1909, inclusive:—

- No. 23723.—R. Thomson, A. J. Lording, and W. Howden, bottle-mouth and turn-plug.
 No. 23731.—P. S. Irwin, rudder.
 No. 23736.—A. E. Taylor, trunk and hat-box.
 No. 23742.—W. G. Grave, horse-cover fastening.
 No. 23745.—E. Gilshnan, butter-box.

Applications for Letters Patent lapsed.

APPLICATIONS for Letters Patent lapsed, owing to Letters Patent not being sealed, from the 9th to the 22nd February, 1909, inclusive:—

- No. 22993.—W. E. Hunter, wire-strainer.
 No. 23295.—F. E. Ross, sanitary cow-shed.
 No. 23296.—P. U. Keppel, flax-scutcher.
 No. 23306.—R. J. Marshall, portable fence.
 No. 23311.—J. Salt, fencing-gauge.
 No. 23312.—H. A. Nicholson, treating flax before stripping.
 No. 23315.—J. K. Anderson, riveter.
 No. 23318.—T. H. Cunningham, skylight-outlet.
 No. 23327.—A. J. Hoban, girthgall-preventer.
 No. 23331.—H. S. Searle, wire-strainer.
 No. 23348.—R. W. Croy, post-lifter.
 No. 23352.—C. Sherwood, sen., and C. Sherwood, jun., endless sectional railway.

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 22nd February, 1909, inclusive:—

THROUGH NON-PAYMENT OF SECOND-TERM FEES.

- No. 18545.—The Fibre Society, Limited, method of cleansing and sorting tow. (E. Elliott and A. J. Park.)
 No. 18721.—A. E. Johnstone, liquid-fuel burner.
 No. 18722.—J. L. Bruce, lamp lighter and extinguisher.
 No. 18723.—W. Griffiths and B. H. Bedell, current-collector.
 No. 18724.—Marconi's Wireless Telegraph Company, Limited, telegraph-signal key. (J. A. Fleming.)
 No. 18730.—The Dixie Match Company, match-manufacturer. (W. H. Parker.)
 No. 18731.—International Telegraph Construction Company, wireless-telegraph system. (H. Shoemaker.)
 No. 18739.—R. Simmonds, egg-carrier.
 No. 18743.—G. A. Lowry, cotton-picking machine.
 No. 18745.—W. Williams, chaffcutter.
 No. 18746.—J. Hedley, cream-can covering.
 No. 18749.—W. J. Rae, time-table for trains, &c. (E. T. Luke.)
 No. 18755.—The Combined Washer and Hydro-Extractor, Limited, and H. Maconochie, clothes-washer. (P. M. Newton—E. C. Hiscox and T. L. Livingston.)
 No. 18767.—J. Dignan, castrating, docking, &c., appliance.
 No. 18769.—J. T. Davies, magnetic separator.
 No. 18770.—D. Bower, milk-can.
 No. 18772.—H. A. Atkinson, window-blind, &c.
 No. 18774.—J. G. Dennison, potato-digger.

THROUGH NON-PAYMENT OF THIRD-TERM FEES.

- No. 14219.—W. T. Riley, woven-wire mattress.
 No. 14227.—W. E. Hughes, concrete-mixer. (F. B. Gilbreth.)
 No. 14228.—F. T. Mumford, electrolytic ore-treatment.
 No. 14247.—D. Drummond, spark-arrester.
 No. 14252.—J. A. Paterson, carburetter.
 No. 14253.—J. A. Paterson, gas-production.
 No. 14255.—J. A. Paterson, incandescent burner. (W. T. Purves.)
 No. 14264.—W. H. Lawrence, bench for pot-plants, &c.

THROUGH EXPIRY OF TERM.

- No. 7438.—The British Westinghouse Electric and Manufacturing Company, Limited, electric-current measurer. (O. B. Shallenberger.)

Erratum.

The following Letters Patent were inadvertently advertised as void owing to the non-payment of the third-term fee. Such payment was, however, made on the 27th February, 1908, and duly advertised in *New Zealand Gazette*, No. 17, of the 5th March, 1908:—

- No. 13405.—Linotype and Machinery, Limited, music-printing device. (E. Waters, jun.—The Linotype Company, Limited—J. Broadhouse.)

Designs registered.

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

- No. 461.—Philip J. de la Cour, of Christchurch, New Zealand. Class 10. 21st January, 1909.
 No. 462.—Alcock and Co. Proprietary, Limited, of 155 Elizabeth Street, Melbourne, in the State of Victoria, Commonwealth of Australia, Billiard-table Manufacturers. Class 3. 6th February, 1909.
 No. 463.—Henry Thomas Blake, of 44 Broad Street, Ross, Hereford, England. Class 1. 6th February, 1909.
 No. 464.—James Arnold Hockley, of Adelaide Street, Maryborough, in the State of Queensland, Commonwealth of Australia, Merchant. Class 5. 10th February, 1909.

Design expired.

THE copyright in the following design has expired:—

- No. 202.—Sargood, Son, and Ewen, of Auckland, and elsewhere in the Dominion of New Zealand. (Rug.)

Applications for Trade Marks filed.

LIST of applications for registration of Trade Marks filed from the 8th to the 22nd February, 1909, inclusive:—

- No. 7828.—8th February.—J. B. MacEwan and Co., Limited, Wellington, N.Z. Class 47.
 No. 7829.—9th February.—Lonsdale Bros. and Co., Christchurch, N.Z. Class 14.
 No. 7830.—10th February.—The Standard Sewing-machine Company, Cleveland, Ohio, U.S.A. Class 6.
 No. 7831.—11th February.—J. Lysaght, Limited, Bristol, England. Class 5.
 No. 7832.—12th February.—Ellis and Manton, Wellington, N.Z. Class 42.
 No. 7833.—13th February.—H. Gray, Northcote, N.Z. Class 42.
 No. 7834.—13th February.—Browne and Morrison, Christchurch, N.Z. Class 50.
 No. 7835.—15th February.—W. H. Hazard, Auckland, N.Z. Class 20.
 No. 7836.—16th February.—T. G. Luxford, Hamilton, N.Z. Class 42.
 No. 7837.—16th February.—Perret, Gros, and Million, Lyon, France. Class 31.
 No. 7838.—17th February.—J. Stanford (H. Davenport), Wellington, N.Z. Class 5.
 No. 7839.—17th February.—Thomas Hine and Co., Jarnac, France. Class 43.
 No. 7840.—17th February.—J. Dewar and Sons, Limited, Perth, Scotland. Class 43.
 No. 7841.—17th February.—Celrox, Limited, London, Eng. Class 3.
 No. 7842.—17th February.—J. Bartram and Son, Melbourne, Vic. Class 7.
 No. 7843.—17th February.—J. Bartram and Son, Melbourne, Vic. Class 40.
 No. 7844.—18th February.—J. Rattray and Son, Limited, Dunedin, N.Z. Class 47.

Applications for Registration of Trade Marks.

Patent Office,
Wellington, 24th February, 1909.

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: 7194.

Date: 19th February, 1908.

TRADE MARK.

"ALCO"

NAME.

ALCOCK AND CO. PROPRIETARY, LIMITED, of No. 155 Elizabeth Street, Melbourne, in the State of Victoria, Commonwealth of Australia, Billiard-table Manufacturers.

No. of class: 49.

Description of goods: Billiard-chalk.

No. of application: 7418.
Date: 1st July, 1908.

TRADE MARK.
"COOLIE BRAND"



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

NAME.

THE INDIAN TEA PLANTERS COMBINATION, of 5 Fenchurch Street, London, England, Merchants.

No. of class: 42.
Description of goods: Coffee, cocoa, and chocolate.

No. of application: 7488.
Date: 10th August, 1908.

TRADE MARK.



The essential particular of this trade mark is the design and the word "Eclipse"; and any right to the exclusive use of the added matter is disclaimed.

NAME.

MILLAR AND GIORGI, of Palmerston North, in the Dominion of New Zealand, Outfitters.

No. of class: 38.
Description of goods: Suits of clothing.

No. of application: 7544.
Date: 1st September, 1908.

TRADE MARK.

TOWER-PROOF

NAME.

A. J. TOWER COMPANY, a Maine Corporation, of 18 Simmons Street, Roxbury, Massachusetts, United States of America.

No. of class: 38.
Description of goods: Waterproof fabrics, including clothing.

No. of application: 7709.
Date: 23rd December, 1908.

TRADE MARK.



The essential particular of the trade mark is the following—the name of applicant printed in a particular and distinctive manner; and any right to the exclusive use of the added matter is disclaimed.

NAME.

THE CELLULOID COMPANY, a Corporation, of Nos. 30 to 36 Washington Place, City and State of New York, United States of America, Manufacturers.

No. of class: 38.
Description of goods: Articles of clothing.

No. of application: 7824.
Date: 5th February, 1909.

TRADE MARK.

STANDARD

NAME.

HEINRICH WERNTHAL, trading in partnership with ROBERT NORDHEIM under the style or firm of "August Blumenthal," Klosterburg, No. 1 Glockengiesserwall, Hamburg, German Empire, Manufacturer.

No. of class: 42.
Description of goods: Salt and all goods included in this class, except flour, coffee, biscuits and cakes, food products and tea, and frozen meat, or articles of the same description as flour, coffee, biscuits, cakes, tea, and frozen meat.

No. of application: 7826.
Date: 8th February, 1909.

TRADE MARK.

The word

"ISHYN."

NAME.

JAMES AGUSTUS BOYD AND GEORGE ROBERTSON, both of 6 Richmond Street, Petone, in the Dominion of New Zealand.

No. of class: 50.
Description of goods: Knife-polishes, &c.

No. of application : 7828.

Date : 8th February, 1909.

TRADE MARK.



The essential particulars of this trade mark are the device of a beaver and the word "Beaver"; and any right to the exclusive use of the added matter, except the name thereon, is disclaimed.

NAME.

J. B. MAC EWAN AND Co., LIMITED, of Wellington, in the Dominion of New Zealand.

No. of class : 47.

Description of goods : Illuminating, heating, and lubricating oils, and cleanser.

No. of application : 7829.

Date : 9th February, 1909.

TRADE MARK.

The word

"PIONEER."

NAME.

LONSDALE BROS. AND Co., of Worcester Street, Christchurch, in the Dominion of New Zealand, Importers.

No. of class : 14.

Description of goods : All goods included in this class.

[NOTE.—Class 14 is for "Goods of precious metal (including aluminium, nickel, Britannia metal, &c.) and jewellery, and imitations of such goods and jewellery."]

No. of application : 7831.

Date : 11th February, 1909.

TRADE MARK.



KING'S HEAD BRAND

The essential particulars of the trade mark are as follow—the device and the words "King's Head"; and any right to the exclusive use of the added matter is disclaimed.

NAME.

JOHN LYSAGHT, LIMITED, of St. Vincent Ironworks, Bristol, in England, Iron Manufacturers and Galvanisers.

No. of class : 5.

Description of goods : Galvanised iron and wire, fencing-wire, sheet iron, plate iron, bar iron, and boiler-plates.

No. of application : 7833.

Date : 13th February, 1909.

TRADE MARK.

"GANDER" AND "GOOSE" SAUCE.

What is sauce for the goose is sauce for the gander.

The essential particulars of this trade mark are the words "Gander," "Goose"; and any right to the exclusive use of any added matter is disclaimed.

NAME.

HENRY GRAY, of Northcote, near Auckland, in the Dominion of New Zealand, Accountant.

No. of class : 42.

Description of goods : Sauces.

No. of application: 7834.
Date: 13th February, 1909.

TRADE MARK.
The word
"LINOSHINE."

NAME.

BROWNE AND MORRISON, of 94A Madras Street, Christchurch, in the Dominion of New Zealand, Printing-ink and Varnish Manufacturers.

No. of class: 50.
Description of goods: Linoleum varnish and polish.

No. of application: 7835.
Date: 15th February, 1909.

TRADE MARK.
The word
"KLYNKER."

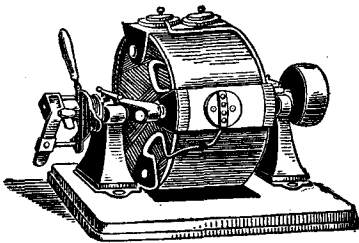
NAME.

WILLIAM HENRY HAZARD, of Queen Street, Auckland, in the Dominion of New Zealand, Merchant.

No. of class: 20.
Description of goods: Explosive substances, such as gun-powder, gun-cotton, dynamite, fog-signals, percussion caps, fireworks, cartridges.

No. of application: 7837.
Date: 16th February, 1909.

TRADE MARK.



NAME.

PERRET GROS AND MILLION, of 24 Rue Pizay, Lyon, France, Tulle-manufacturers.

No. of class: 31.
Description of goods: Tulle and other such fabrics.

J. C. LEWIS,
Registrar.

Trade Marks registered.

LIST of Trade Marks registered from the 9th to the 22nd February, 1909, inclusive:—
No. 6015/7664.—F. Reddaway and Co., Limited. Class 35. (*Gazette* No. 94, of the 26th November, 1908.)
No. 6016/7641.—Reckitts (Oversea) Limited. Class 50. (*Gazette* No. 94, of the 26th November, 1908.)
No. 6017/7486.—A. Fergusson and Co., Limited. Class 1. (*Gazette* No. 64, of the 20th August, 1908.)
No. 6018/7651.—Commonwealth Oil Corporation, Limited. Class 47. (*Gazette* No. 94, of the 26th November, 1908.)
No. 6019/7403.—Crompton and Co., Limited. Class 8. (*Gazette* No. 100, of the 10th December, 1908.)
No. 6020/7713.—Bryant and May, Limited. Class 47. (*Gazette* No. 100, of the 10th December, 1908.)
No. 6021/7714.—Bryant and May, Limited. Class 47. (*Gazette* No. 100, of the 10th December, 1908.)
No. 6022/7716.—Bryant and May, Limited. Class 47. (*Gazette* No. 100, of the 10th December, 1908.)
No. 6023/7705.—W. Scoular and Co. Class 42. (*Gazette* No. 100, of the 10th December, 1908.)
No. 6024/7710.—H. Berry and Co. Class 12. (*Gazette* No. 100, of the 10th December, 1908.)
No. 6025/7182.—The Agricultural and Pastoral Food Company, Limited. Class 42. (*Gazette* No. 13, of the 20th February, 1908.)

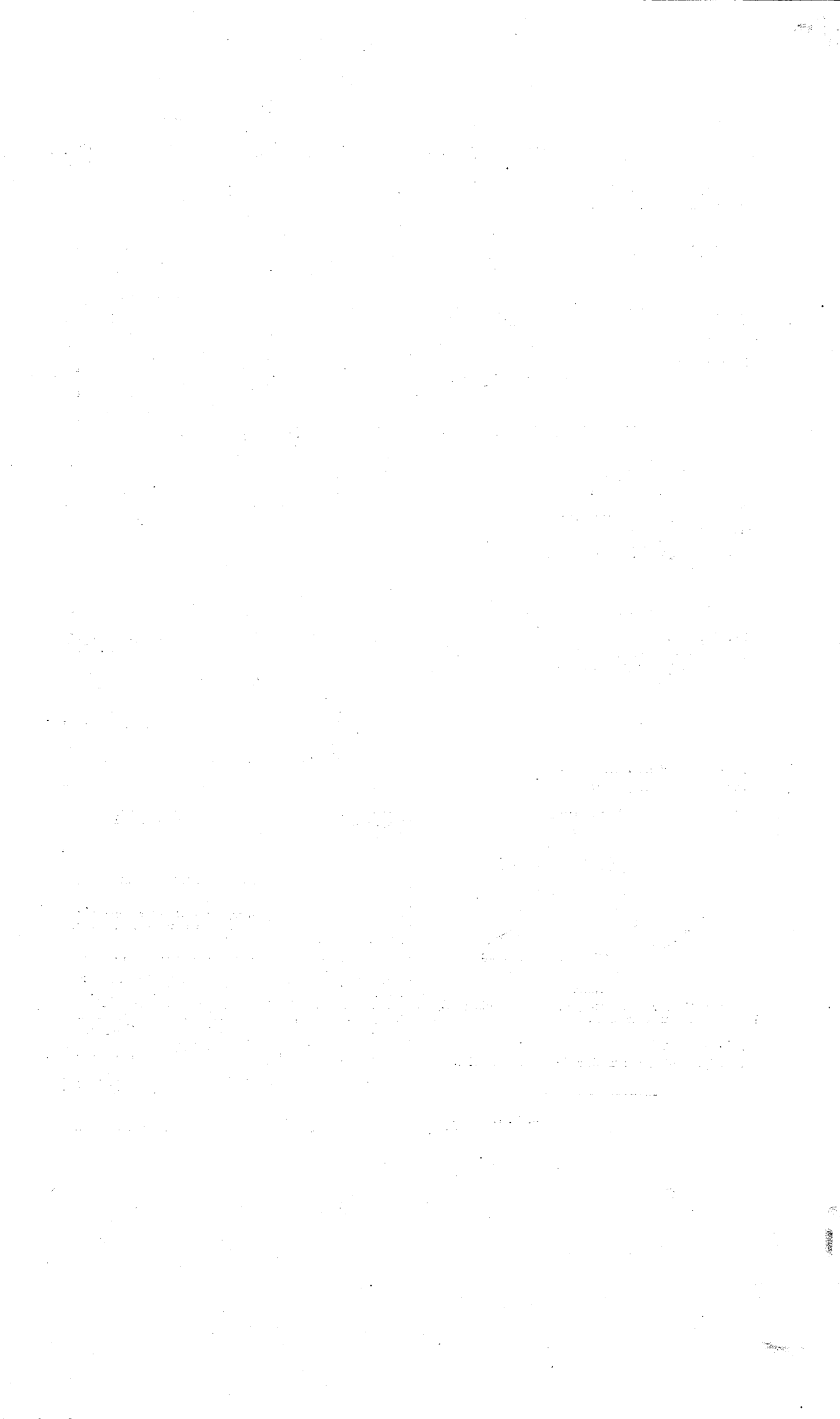
Trade Mark Renewal Fees paid.

FEES paid for the renewal of the undermentioned Trade Marks for fourteen years from the date first mentioned:—
No. 1310/1004.—13th November, 1908.—A. H. Baker (trading as "Albert and Co."), of London, England. 10th February, 1909.
Nos. 1366/1094 and 1367/1095.—24th January, 1909.—Jones Brothers and Co., of Manchester, England. Classes 24 and 25. 17th February, 1909.
No. 1391/1118.—20th February, 1909.—A. S. Brodie (trading as "The Sydney Gristing Company"), Sydney, Australia. Class 42. 17th February, 1909.
Nos. 1408/1109.—4th March, 1909.—T. and J. M. Carlyle (trading as "T. Carlyle"), Aston, England. Class 13. 10th February, 1909.
No. 1437/1149.—29th May, 1909.—C. Arnould and Co., Reims, France. Class 43. 17th February, 1909.
No. 1569/1272.—20th November, 1909.—J. R. Neave and Co., Fordingbridge, England. Class 42. 20th February, 1909.

Trade Marks removed from the Register.

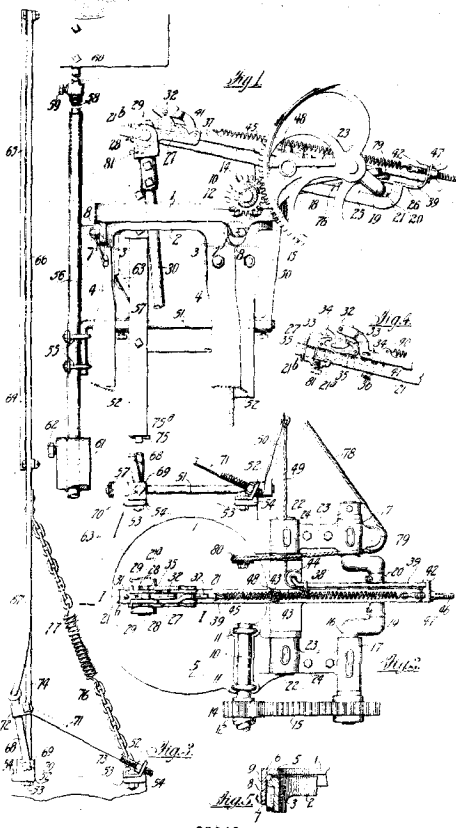
TRADE Marks removed from the Register owing to the non-payment of the renewal fee, from the 8th to the 22nd February, 1909, inclusive:—
No. 1302/1279.—T. G. L. Nicholas, of Hawera, New Zealand, Farmer. Class 42.
No. 1306/1002.—J. Grey and Sons, of Auckland, New Zealand, Manufacturers. Class 44.
No. 1307/999.—The Awatuna Co-operative Dairy Factory Company, Limited, of Awatuna, New Zealand. Class 42.
No. 1308/1276.—The Crown Dairy Factory Company, of New Plymouth, New Zealand. Class 42.
No. 1309/1008.—The Magic Washer Company, Limited, of Melbourne, Australia. Class 6.
Nos. 1315/1016, 1316/1017, and 1317/1018.—H. S. Chipman, of Sydney, Australia. Classes 3, 42, and 48 respectively.

By Authority: JOHN MACKAY, Government Printer, Wellington.



ILLUSTRATIONS OF INVENTIONS.

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



23940
Murnane. Windmill.

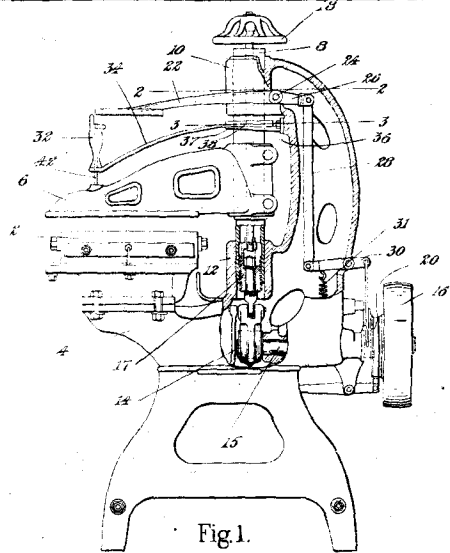
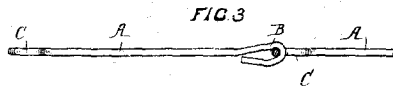
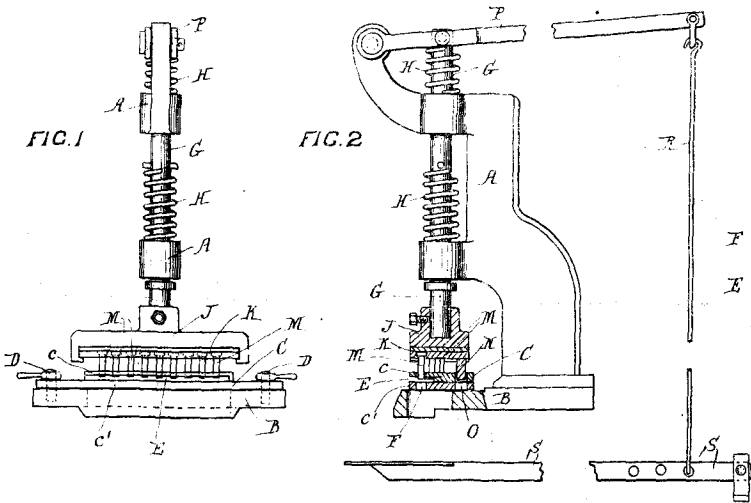


Fig. 1.
24083
United Shoe Machinery Company. Press. (Beuningen.)

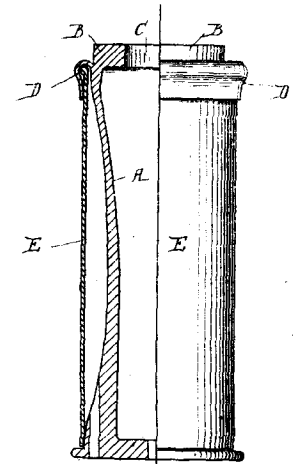
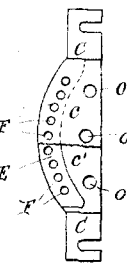


24219
Schmidt. Wire Fabric for Bed.

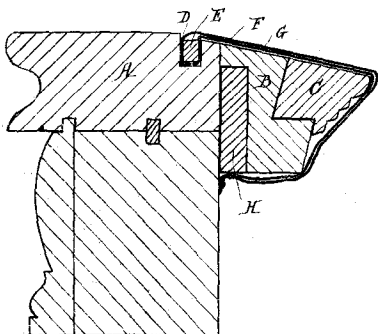


24150
Trenwith and Smith. Eyelet-punch.

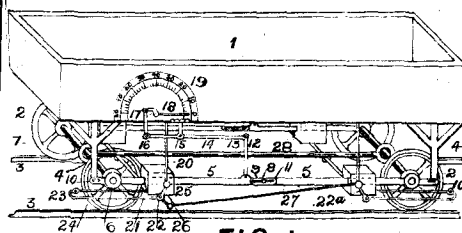
FIG. 3



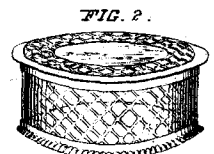
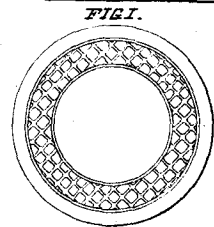
24250
P. A. and G. N. Bulmer. Teat-cup.



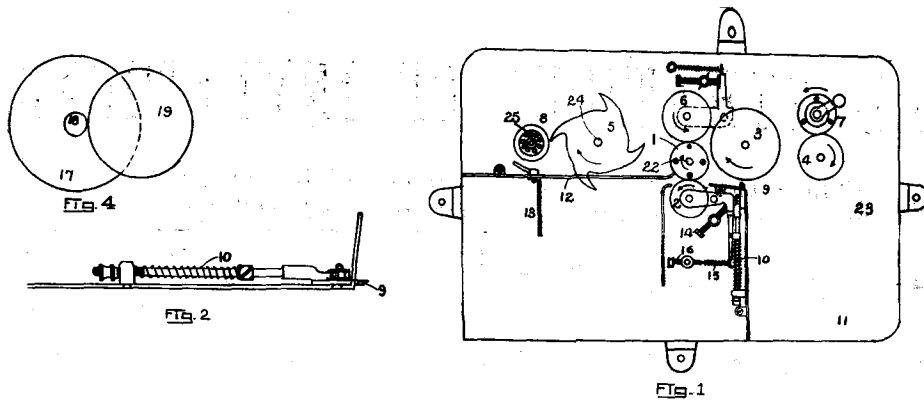
24168
Matthews. Billiard-table.



24262
Anderson. Weight-indicator.



25442
Godber. Cake-ornamentation.



24399
Robertson. Post-marker.

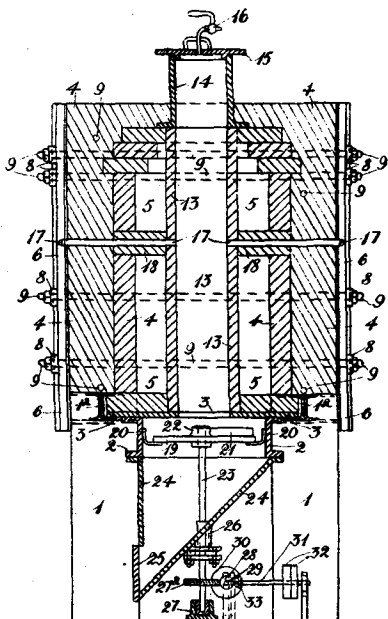


Fig. 1.

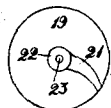


Fig. 3.

24595
Snodgrass. Manufacture of Cyanides.

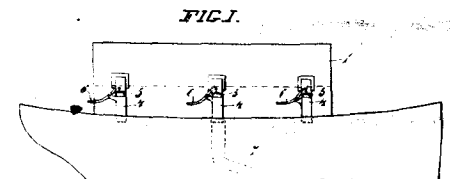


FIG. 1.

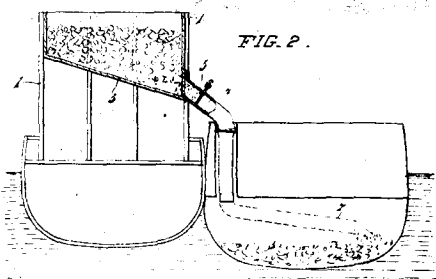


FIG. 2.

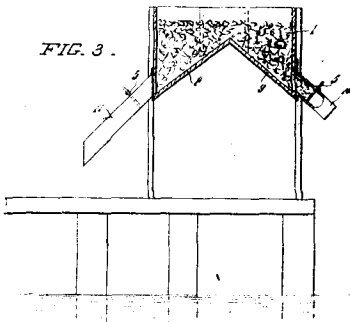


FIG. 3.

24694
McGrath. Coal-loader.

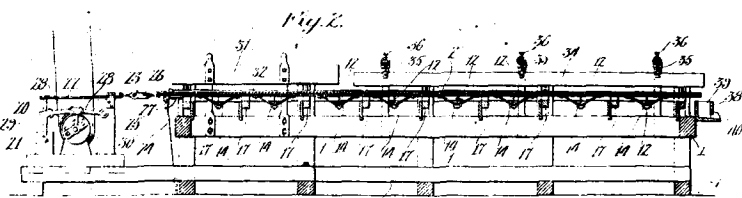


Fig. 2.

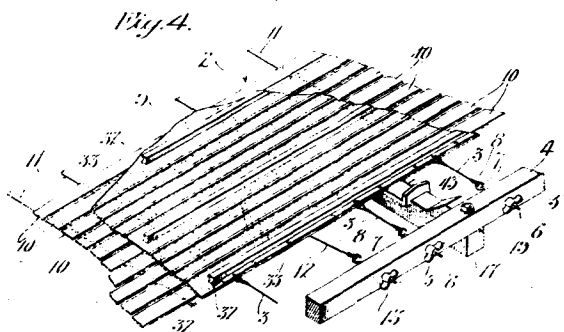
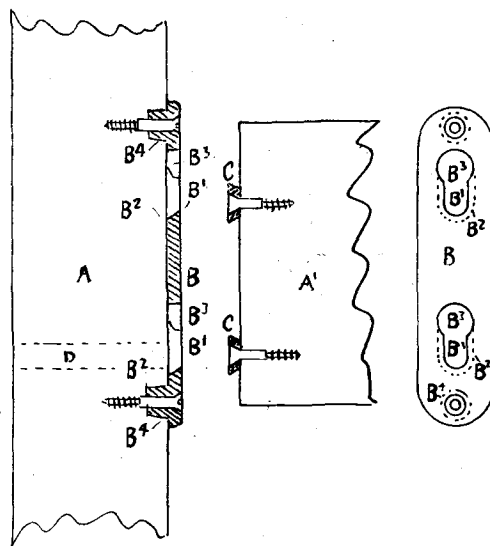
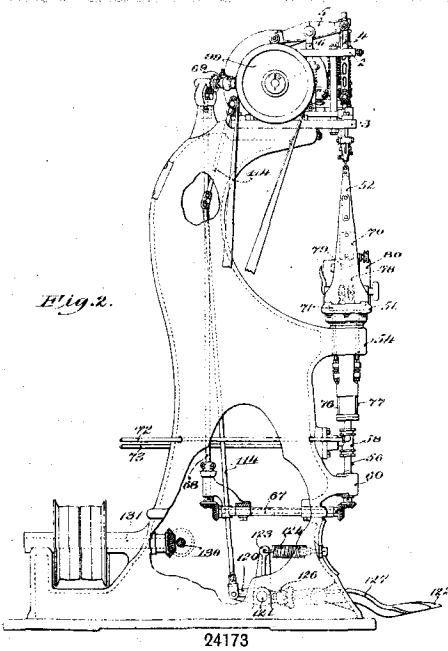


Fig. 4.

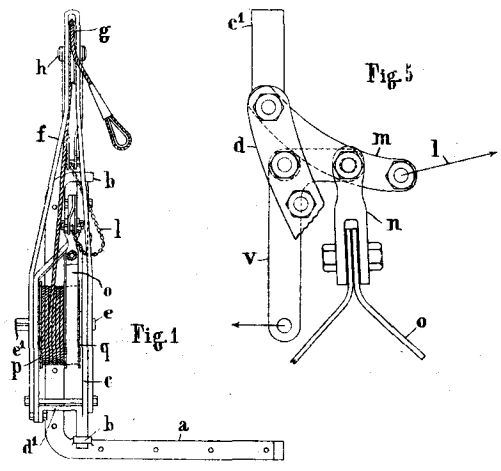
25081
Eccleston. Ore-concentrator.



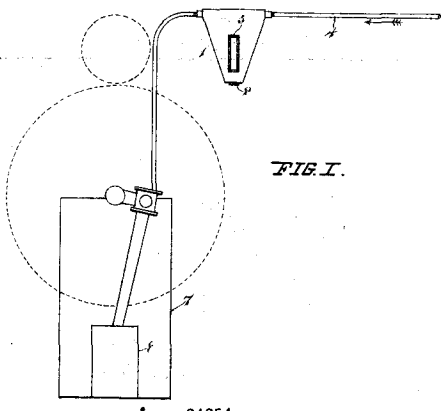
25486
Morton. Metal Joint.



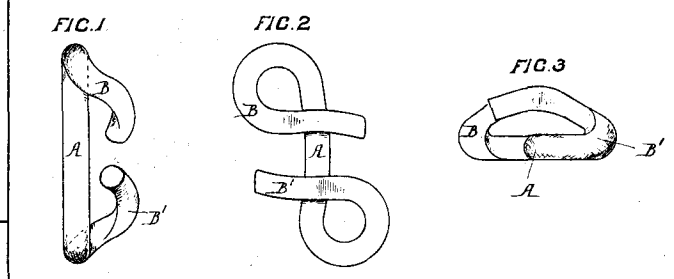
24173 United Shoe Machinery Company. Sewing-machine. (Scott.)



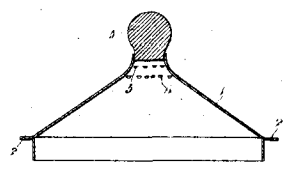
24316 Taylor and Pick. Crane, &c.



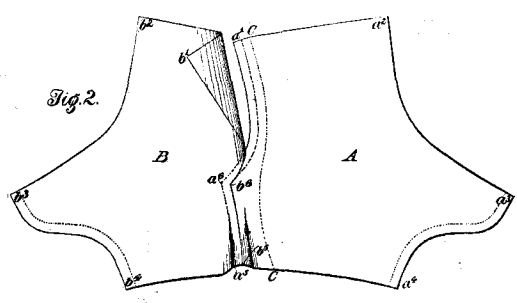
24254 Dahl. Milking-machine.



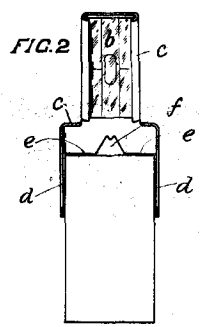
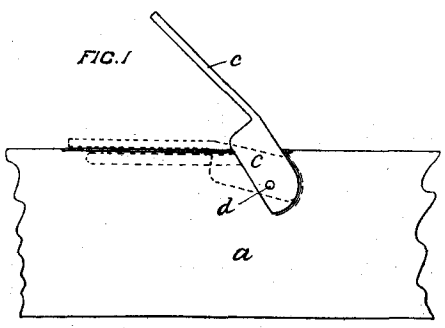
24466 McDonald. Swingle-tree Hook.



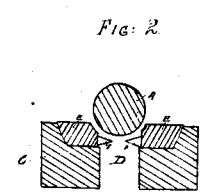
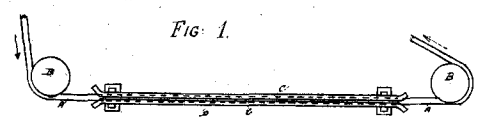
25459 Wood. Kettle-lid.



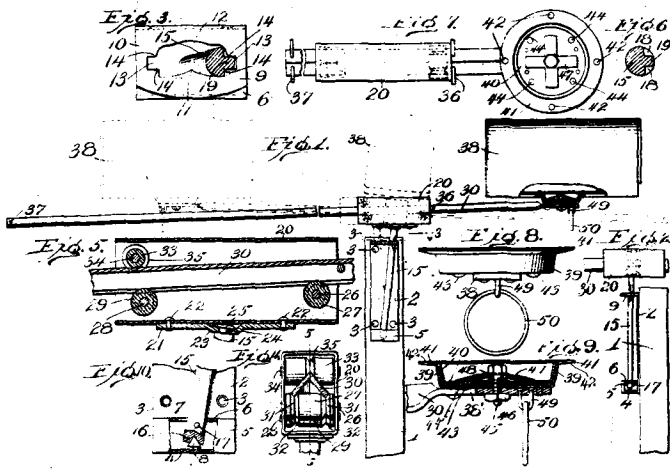
25499 Whitelaw. Boot-upper.



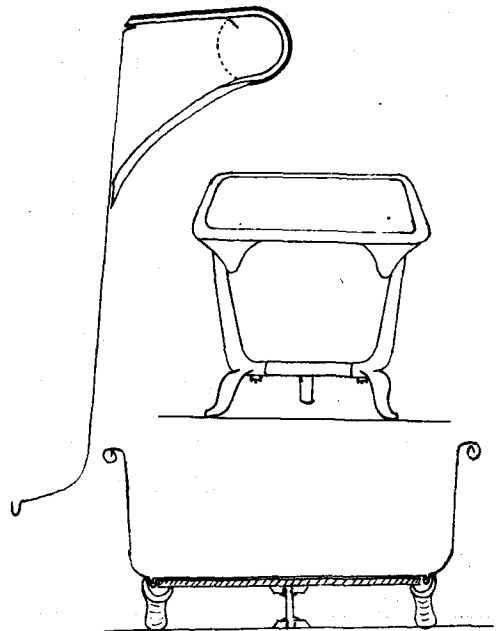
24258 Austin. Spirit Level.



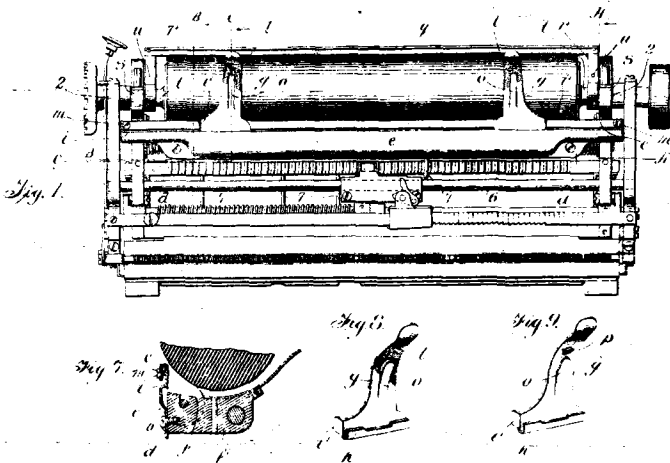
24284 Suttie and Wynyard. Fibre-cleanser.



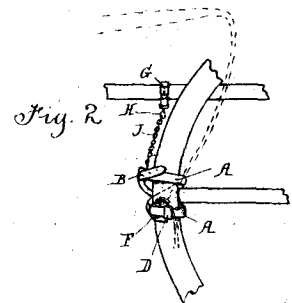
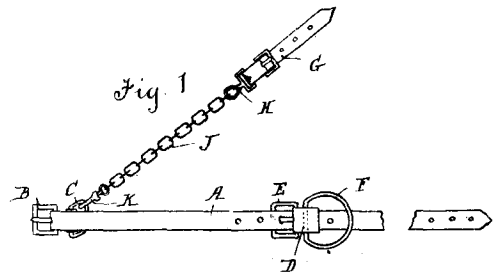
25112
Harris. Mail Receiver and Deliverer.



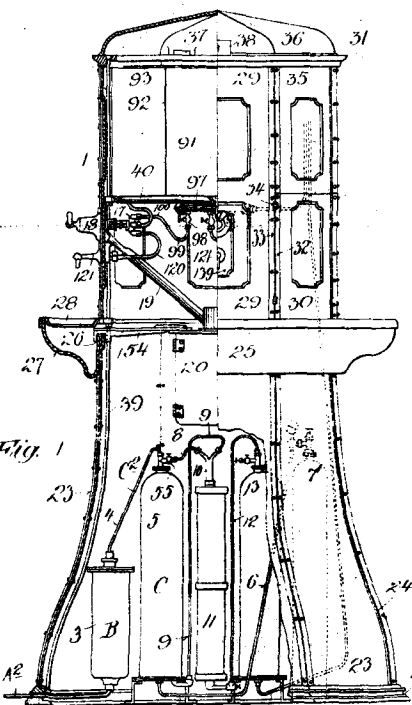
25496
Schwer. Sheet-metal Bath.



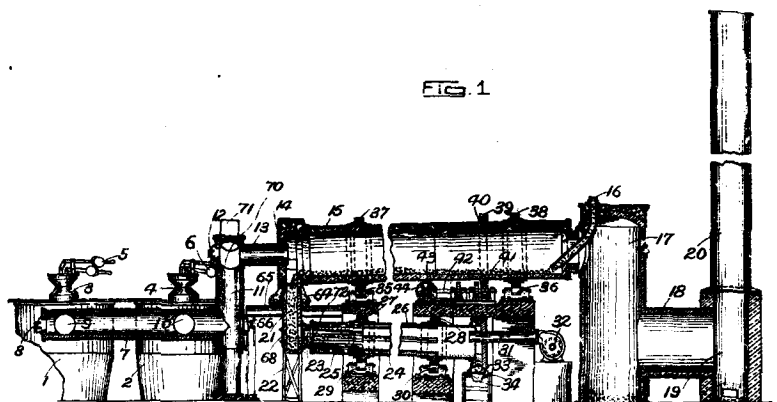
25428
Imperial Writing Machine Co. (Limited). Typewriter. (C. W. and G. W. Davis.)



25464
Davey. Wheel-lock.



25463
United Centadriuk Manufacturing Company.
Carbonating-apparatus. (Pein.)



25189
Speckman. Cement-burning Apparatus.