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Notice.

CLASSIFIED abridgments of inventions patented in the United Kingdom from 1900 to 1904 are now available for inspection in the library attached to this office.

Official Notices.

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 22nd February, 1906.

Classified 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 April, 1906.  
Index of Applicants.  
Subject-matter Index.  
Commissioner of Patent Journal, &c.(a).  
Trade Marks Journal to March, 1906.

Canada.

Patent Office Record (containing illustrated abridgments of inventions, &c.) to September, 1905.

Australia.

The Official Journal of Patents of the Australian Commonwealth (containing lists of applications for letters patent, abridgments of complete specifications accepted, &c.).  
The Gazettes of the various States (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 Official Gazette of the United States Patent Office (containing illustrated abridgments of specifications, &c.) to April, 1906.

Mexico.

The Official Gazette of the Patent and Trade Mark Office.

General.

La Propriété Industrielle (the official organ of the International Bureau of the Union for the Protection of Industrial Property).  
Patent laws of the world.  
Patent and Trade Mark Review.  
Text-books and handbooks on patents and trade marks.

AUCKLAND.—PUBLIC LIBRARY.

United Kingdom.

Classified abridgments of inventions from 1855 to 1900.  
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 1900.  
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 1900.  
Illustrated Official Journal from October, 1905, to date.

## BOOKS AND DOCUMENTS OPEN TO INSPECTION.

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 Application for Letters Patent.
4. Register of Patents.
5. Register of Subsequent Proprietors of Letters Patent<sup>(d)</sup>.
6. Index of Patentees<sup>(e)</sup>.
7. Index of Proprietors of Letters Patent granted prior to 1890<sup>(f)</sup>.
8. Index of Specifications<sup>(g)</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>(h)</sup>.
5. Index of Trade Marks.
6. Classified Representations of Trade Marks, with indexes.

*Miscellaneous.*

Register of Patent Agents.

## FORMS.

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

- 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>(i)</sup>.
- Pamphlet containing Act and Regulations (price 1s.).

## 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 1904 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 for letters patent without extra payment have been appointed at the following places: Ashburton, Auckland, Blenheim, Christchurch, Dunedin, Gisborne, Greymouth, Hokitika, Invercargill, Napier, Nelson, New Plymouth, Oamaru, Queenstown, Thames, Timaru, Wanganui, Westport. These are situated in the Supreme Court Buildings and S.M. Court Houses.

## PATENT AGENTS.

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

- (a) Discontinued.
- (b) In arrear. Not now being printed.
- (c) Key is in card index.
- (d) 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.
- (e) 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.
- (f) The names of proprietors of subsequent letters patent appear in the Index of Patentees.
- (g) Contains classified abridgments of specifications from 1861, with extracts from drawings from July, 1904.
- (h) 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 are in card index.
- (i) May also be obtained at any local Patent Office or money-order office.

*Applications for Letters Patent filed.*

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

- No. 21157.—17th May.—R. Lowe, Brunswick, Vic. Maze.
- No. 21158.—17th May.—F. W. E. Gabriel, Albion, Q. Turnstile.
- No. 21159.—17th May.—A. E. Luttrell, Balmain, N.S.W. Rotary pump.\*
- No. 21160.—17th May.—T. F. Locke, Premaydena, and E. W. Duncombe, Deloraine, Tas. Wire-strainer.\*
- No. 21161.—17th May.—J. C. Wood, Albert Park, Vic. Tire-inflator.
- No. 21162.—17th May.—A. Nabb, Waverley, N.S.W., and A. Saunders, College Town, S. Australia. Machinery-belt.
- No. 21163.—17th May.—J. J. Gilday, Berringa, Vic. Pump.
- No. 21164.—17th May.—D. Zander, T. Falvey, and J. H. Ormrod, Wellington, N.Z. Potato-cleaning machine.
- No. 21165.—17th May.—The International Harvester Company of America, Christchurch, N.Z. Finger for mowers and reapers.\* (*J. D. Bywater.*)
- No. 21166.—17th May.—F. H. Trevellian, Wellington, N.Z. Cash register.
- No. 21167.—17th May.—N. Guthridge, Melbourne, Vic. Ore-concentrator.\*
- No. 21168.—17th May.—N. Guthridge, Melbourne, Vic. Ore-concentrator.\*
- No. 21169.—17th May.—N. Guthridge, Melbourne, Vic. Concentrator-feeder.\*
- No. 21170.—17th May.—D. A. C. Brown, Palmerston North, N.Z. Toy.\*
- No. 21171.—15th May.—L. Mote, Auckland, N.Z., and H. and L. Mote, Balmain, N.S.W. Step-ladders.
- No. 21172.—19th May.—A. Dilly, Kilbirnie, N.Z. Cash-bag.
- No. 21173.—19th May.—N. Ross, Berwick, N.Z. Tilted casks.

- No. 21174.—21st May.—J. B. Carroll, Chicago, U.S.A.  
Acetylene-burner.\*
- No. 21175.—21st May.—E. Deister, Fort Wayne, U.S.A.  
Ore-concentrator.\*
- No. 21176.—22nd May.—J. Dawson, Wellington, N.Z.  
Bridge-construction.\*
- No. 21177.—22nd May.—W. E. Hughes, Wellington, N.Z.  
Paint-remover. (*H. C. Scrutton.*)
- No. 21178.—22nd May.—A. J. Edwards, Auckland, N.Z.  
Trolley-pole controller.
- No. 21179.—22nd May.—J. Long, Christchurch, N.Z.  
Ticket-holder.
- No. 21180.—19th May.—E. R. Godward, Invercargill, N.Z.  
Siphon.
- No. 21181.—19th May.—E. R. Godward, Invercargill, N.Z.  
Kerosene tap.
- No. 21182.—19th May.—C. J. H. Payne, Limehills, N.Z.  
Non-refillable bottle.
- No. 21183.—23rd May.—J. J. Niven and Co., Napier, N.Z.  
Drying offal.\*
- No. 21184.—23rd May.—C. A. Parsons, Newcastle-on-Tyne, Eng.  
Dynamo electric machine.\*
- No. 21185.—23rd May.—C. A. Parsons, Newcastle-on-Tyne, Eng.  
Dynamo electric machine.\*
- No. 21186.—23rd May.—A. Jack, Palmerston North, N.Z.  
Gas-generator.
- No. 21187.—23rd May.—H. Irwin, Tikokino, N.Z.  
Bird-alarm.
- No. 21188.—23rd May.—J. J. Strain, Christchurch, N.Z.  
Gas-stove boiler.
- No. 21189.—23rd May.—J. J. Strain, Christchurch, N.Z.  
Hot-water attachment to gas-stove.
- No. 21190.—22nd May.—I. Russell, Dunedin, N.Z.  
Dress-chart.
- No. 21191.—25th May.—R. Mapp, jun., Midhirst, N.Z.  
Cow-balls.
- No. 21192.—25th May.—C. W. Watts, Greytown North, N.Z.  
Button.
- No. 21193.—25th May.—B. E. Smith, Footscray, Vic.  
Water-tank.
- No. 21194.—25th May.—G. L. M. Dörwald, London, Eng.  
Carburetter\*  
(Date applied for under section 106, 31st May, 1905.)
- No. 21195.—25th May.—J. D. Jackson, Prahnan, Vic.  
Bath-heater.
- No. 21196.—25th May.—R. T. Cross, Bulimba, Q.  
Fishing-reels.
- No. 21197.—25th May.—A. James, London, Eng.  
Gold-extractor.\*
- No. 21198.—25th May.—H. T. F. Esmond, Rozelle, and H. Buckland, Marrickville, N.S.W.  
Teaching-apparatus.\*
- No. 21199.—25th May.—A. Prior, Dunedin, N.Z.  
Driving nails.
- No. 21200.—25th May.—H. E. Rountree and C. Glasgow, Stratford, N.Z.  
Music-turner.
- No. 21201.—25th May.—O. Stewart, Invercargill, N.Z.  
Telegraph-transmitter.
- No. 21202.—25th May.—J. D. Plimmer, Lyttelton, N.Z.  
Vice.
- No. 21203.—25th May.—G. Davidson, Hokitika, N.Z.  
Pitch chains and sprockets.\*
- No. 21204.—25th May.—F. M. Norris and J. Robertson, Hunterville, N.Z.  
Non-refillable bottle.
- No. 21205.—22nd May.—A. J. Carrigan, Auckland, N.Z.  
Fire-lighter.\*
- No. 21206.—22nd May.—A. J. Park, Onehunga, N.Z.  
tow-cleanser.\*
- No. 21207.—26th May.—J. A. Ferguson, Denver, U.S.A.  
Mould for building-blocks.\*
- No. 21208.—21st May.—F. J. Farrell, Auckland, N.Z.  
Alarm.
- No. 21209.—26th May.—H. Taylor, Manurewa, N.Z.  
Fireproof starch and blue.
- No. 21210.—28th May.—E. S. Evelyn, Hobart, Tas.  
Non-refillable bottle.
- No. 21211.—28th May.—F. G. M. Brittin, Papanui, N.Z.  
Beer-pump.
- No. 21212.—28th May.—G. Robinson, Oamaru, N.Z.  
Hat-pin.
- No. 21213.—28th May.—W. Madder, Kaikoura, N.Z.  
Voting-machine.
- No. 21214.—28th May.—W. C. Haines, Wellington, N.Z.  
Rotary engine.
- No. 21215.—28th May.—F. D. Miller, Christchurch, N.Z.  
Boot-soles.
- No. 21216.—28th May.—C. Lucas, Wellington, N.Z.  
Hanger for scaffolding-brackets.
- No. 21217.—25th May.—J. Fraser, Glenthompson, and J. T. Good, Melbourne, Vic.  
Fuse-igniter.\*
- No. 21218.—25th May.—C. J. McMaster, Corfield, Q.  
Wheel.\*
- No. 21219.—25th May.—H. Rochfort, Karangahake, N.Z.  
Suction-hose.
- No. 21220.—26th May.—The Australasian Coal Briquette Company, Limited, Sydney, N.S.W.  
Coal briquettes.\* (*G. L. Croudace.*)
- No. 21221.—26th May.—W. M. Jamieson, Te Papa, N.Z.  
Tire-protector.\*
- No. 21222.—29th May.—W. Reid, E. Malvern, Vic.  
Signalling mechanism.\*
- No. 21223.—29th May.—W. R. Millar, Wellington, N.Z.  
Door-knob.
- No. 21224.—29th May.—F. M. Staubwasser and T. F. Fauset, Brisbane, Q.  
Life-saving appliance.\*
- No. 21225.—29th May.—R. V. Danne, St. Kilda, Vic.  
Valve and pump connecting-piece.
- No. 21226.—29th May.—J. Austin, Christchurch, N.Z.  
Toasting and grilling device.
- No. 21227.—29th May.—T. Cahill, Waihi, N.Z.  
Spurs.
- No. 21228.—22nd May.—R. J. Roach, Invercargill, N.Z.  
Catch for brooches.
- No. 21229.—30th May.—E. Whitcombe, Pahiatua, N.Z.  
Fencing-dropper.
- No. 21230.—30th May.—A. J. J. Bolton, Armadale, Vic.  
Composition for manufacture of butter-boxes.
- No. 21231.—30th May.—E. G. Mills, S. Yarra, Vic.  
Food for calves and stock. (*F. J. Corbett.*)
- No. 21232.—30th May.—H. Wilson, St. Kilda, Vic.  
Ore-grinding pan.
- No. 21233.—30th May.—United Shoe Machinery Company, Paterson, U.S.A.  
Shoe-upper lacing-machine.\* (*W. A. Smith.*)
- No. 21234.—30th May.—R. R. Douglas, Dunedin, N.Z.  
Umbrella.
- No. 21235.—30th May.—P. M. Maze, Paris, France.  
Pasteurising milk.
- No. 21236.—30th May.—J. W. Greene, Melbourne, Vic.  
Vehicle-wheel axle.
- No. 21237.—30th May.—N. I. Gooder, Wellington, N.Z.  
Trolley-head.

*Notice of Acceptance of Complete Specifications.*

Patent Office,  
Wellington, 30th May, 1906.

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. 19188.—10th March, 1905.—JOHN EDWARD OWEN, of Auckland, New Zealand, Pipe Manufacturer. Improved means for use in forming earthenware pipes.\*

[NOTE.—The title in this case has been altered from that set out in the provisional specification.]

*Extract from Specification.*—In carrying out the invention an ordinary clay-press pipe-making machine is provided and mounted upon a bed-plate formed with a circular opening therein, the face of which corresponds in shape to the outer face of the socket portion of the pipe to be formed. A core-piece is supported, by means of a spindle extending upwards through the press, centrally within this circular opening so as thus to provide for an annular space between the periphery of the core-piece and the face of the opening. A second core-piece of larger diameter than the first is movably mounted beneath it, and is adapted to engage therewith, so that when the two core-pieces are together their joint peripheral faces will correspond to the shape of the inside face of the socket

to be formed. The second core-piece is secured upon a table that is adapted to move vertically up and down, and to fit beneath the bed of the machine.

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

(Specification, 5s. 6d. ; drawing, 1s.)

No. 19643.—24th June, 1905.—GEORGE SEATOR STEVENSON, of Gore, New Zealand, Contractor. Improvements in ratchet wrenches.\*

*Extract from Specification.*—According to my invention there are two ratchet discs, which have openings at one side of the same size and are mounted in the handle of the wrench, superimposed so that their openings may coincide. Each disc is capable of independent circular motion, so that when one disc is moved its closed portion eclipses or covers portion of the opening of the other disc, and so reduces it in size. There are several sizes of openings effected by independently revolving one of the discs. The handle may have one pair of discs at each end.

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

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

No. 19701.—10th July, 1905.—DUNCAN ST. CLAIR MACGREGOR, of Invercargill, Southland, New Zealand, Furniture Manufacturer. Improved means for raising and lowering curtain-poles.\*

*Extract from Specification.*—My invention consists of a third or guide cord in conjunction with the headboard, the said cord leading over guide pulleys, and is connected at its end to near the middle of the pole. The position of this cord is such that when it is pulled it tends to draw the pole away from the brackets referred to.

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

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

No. 19747.—13th July, 1905.—WALTER MADDISON, of Albion Hotel, Gisborne, New Zealand, Station Hand. An improved method of ear-marking live-stock.\*

*Claim.*—For the purpose mentioned, the lines of the ear as shown at A, together with the divisions or angles of the ear as shown at B, forming in conjunction a series of localities within the registration area as shown at F equal in number to the numerals as shown within the registration area at E, as indicated. For the mentioned purpose, any series of three punch-marks as C placed at an angle as or similar to that shown at B, and regulated as to their depth as shown at A. For the purpose, any series of three punch-marks applicable to the several angles as shown at E. A series of three punch-marks set in various angles and having numerical values as or similar to that shown at D, substantially as indicated. The combination and arrangement of the several parts specified for the purpose of ear-marking live-stock, substantially as set forth and indicated in the drawings.

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

No. 19762.—17th July, 1905.—ALBERT FIRTH JAGGER, of Stanley Point, Devonport, near Auckland, New Zealand, Ship Chandler. A metal-castings mould-dresser.\*

*Claim.*—The dresser specified, composed of infusorial earth or keiselguhr used as set forth and described.

(Specification, 1s.)

No. 19776.—21st July, 1905.—RALPH DUNNE, of Dunedin, New Zealand, Picture-framer. Improvements in clamps for use in making frames.\*

*Claims.*—(1.) A clamp of the kind described provided with two integral upright flanges thereon at an angle with each other, with inwardly inclined inner surfaces, substantially as described. (2.) The complete mitre-clamp, substantially as described or illustrated in the drawing.

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

No. 20376.—27th November, 1905.—GARNET BOWEN HOLMES and ARTHUR DUNSCOMBE ALLEN, both of Wellington, New Zealand, Draughtsmen. Improvements in trolley-heads for overhead conductors of electric traction.\*

[NOTE.—The title in this case has been altered from that set out in the provisional specification.]

*Extract from Specification.*—This invention provides a trolley-head which will not be caught in the overhead gear of an electric tramway when the trolley-wheel accidentally leaves the trolley-wire. This is effected by means of a petticoat or catch on the spindle or socket which supports the wheel worked in conjunction with some suitable lifting-device, which device is only operative when the head has left the tramway trolley-wire. The spring actuating the lifting-device acts partly as a cushion, with the result that the wear on all overhead suspension work is materially reduced. A spring clip is also used, which maintains the spindle in a vertical position until any overhead obstruction is met with, in which case the clip is forced apart and the spindle and the wheel fall back clear of the overhead wires. The trolley-cord is attached to the lifting-device to keep it down when necessary ; in order to prevent weight of cord being on this mechanism a small spring is introduced. The operation of the lifting-device is also used to give warning that the trolley-head has left the wire. In order that the trolley-wheel may be maintained approximately in line a small rectifying-device is introduced.

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

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

No. 20436.—9th December, 1905.—HUBERT PERCY BARRY, of Waihi, Auckland, New Zealand, Engineer. Honeycomb linings for tube mills and similar grinding and crushing machines.\*

*Extract from Specification.*—The purpose of this invention is to provide a cheap and effective grinding-surface within tube mills and other grinding-machines. This purpose is attained by fitting within the tube mills or grinding-machines shallow frames or boxes of hexagonal or rectangular form, shaped as is stated, or in any other shape which will conveniently fit the grinding mill or machine, and fixing therein a material composed of rough blocks of stone or other substances suitable for the purpose as described.

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

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

No. 20683.—7th February, 1906.—GARNET BOWEN HOLMES and ARTHUR DUNSCOMBE ALLEN, both of Wellington, New Zealand, Draughtsmen. Improvements relating to trolley-heads for electrical-tramway systems.\*

*Extract from Specification.*—According to our present invention the trolley-wheel is journalled within a jaw, which is pivotally mounted within a bracket so as to be free to swivel therein within certain limits, spring means being employed to cause the wheel to normally tend to assume a position in line with the trolley-pole. The bracket referred to is connected to a head carried upon the end of the trolley-arm, the connection preferably consisting of pins projecting from the head taking into slots formed in cheeks projecting from the bracket. A pin carried by the cheeks engages, when the trolley-wheel is in contact with the conductor and the bracket pressed down thereby, in a slot formed for its reception in the head. Spring means are employed whereby when the trolley-wheel leaves the conductor the pin referred to is drawn out of the slot and the bracket turns upon its pivotal connection with the head, the bracket being so placed that the action of gravity has the effect of causing the trolley-wheel and its carrying-means to fall until it is in such position that it will clear the overhead gear or damage will not be caused thereto by its contact therewith. Guides are employed for the cheeks referred to. The turning-over of the bracket upon its pivotal connection causes contact to be made in an electrical-bell circuit whereby indication is given to the motorman when the trolley-wheel has left the conductor. The conductors of the electrical circuit are provided with plug connections whereby they may be easily parted.

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

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

No. 20857.—14th March, 1906.—HENRY LEDGARD, of Princess Street, Hawera, New Zealand, Blacksmith. A nailless horse-shoe.

*Extract from Specification.*—The special feature of this invention is the means for preventing the heel portion of the plate from shifting at the heel of the hoof. This is done by providing beaker-shaped pieces (14), (15) integral with the plate, each of these pieces having a portion (16), (17) turned down to lie next the frog (18) of the hoof.

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

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

No. 20890.—21st March, 1906.—MATTHEW TEASDALE, of Thames, Auckland, New Zealand, Plumber. An improved lantern.

*Extract from Specification.*—The construction devised consists of two metal bands adapted to loosely encircle the body of the bottle, one at the bottom thereof and one at the top, and which are rigidly connected together by means of rods at intervals around them. A candle-holder fits upon the bottom of the lower band, and is adapted to be fastened thereto and removed at will. A cone-shaped cover fits upon the top of the upper band and covers the neck portion of the bottle. This cover is provided with the requisite escape for the heat from the lantern. A handle is attached to the upper ends of the rods connecting the two bands together.

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

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

No. 20908.—24th March, 1906.—WINDOW GLASS MACHINE COMPANY, of Farmers' Bank Building, Pittsburg, Pennsylvania, United States of America (assignees of John Henry Lubbers, of 506 McClintock Avenue, Alleghany County, Pennsylvania aforesaid, Glass-worker). Method of and apparatus for drawing hollow-glass articles.

*Extract from Specification.*—This invention relates to the drawing of hollow-glass articles, and is designed to provide for chilling the interior of the hollow article at or near the drawing-point, thereby enabling articles of thicker glass to be drawn than where outside chilling is used, and also equalising the heat of the molten bath of glass, which is more liable to chill in its outer portions. The inside chilling also enables the glass to be drawn at greater speed than formerly, and is of especial advantage where heat is applied to the bottom of the pot. The invention is designed to chill the glass by air or gaseous fluid, which is introduced through the bait, the air being supplied at the same level, or substantially the same level with respect to that of the glass bath, throughout the drawing operation. By thus supplying the air its effect in chilling is substantially uniform throughout the drawing, and the chilling effect is much stronger than where the air is introduced through a central hole in the pot. The invention is further designed to provide for withdrawing the hollow article and the supply-tube from each other after the drawing operation is completed, this being preferably accomplished by drawing the supply-tube upwardly out of the article after the drawing of the glass article is completed. The invention also relates to the exhaust or relief of a small portion of the air supplied to the interior of the article during drawing through a small hole which is opened by the operator after the forming of the cap, so that a constant opening is provided through which the excess air is passed out as it becomes heated within the article. This has been found desirable, especially in connection with a graduating valve by which the supply of the air is controlled, since the small outlet prevents the gradual enlarging of the article during drawing, which is otherwise liable to occur.

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

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

No. 20927.—30th March, 1906.—CARL ADOLF FREDRIK RAMSTRÖM, of Observatoriegatan, 21 Stockholm, Sweden. Clerk. Improvements in liners for centrifugal liquid-separators.

*Extract from Specification.*—This invention relates to an arrangement in the plates, the discs, or the partition walls of liners for centrifugal liquid-separators, especially centrifugal milk-separators. The plates, discs, &c., may be mounted

at the side of each other, or above each other, or they may be arranged in any other known manner or in a new manner to form together a body, filling the drum to a greater or less extent, and provided with a plurality of narrow spaces or cavities occupied by the liquid. The said plates, discs, &c., may have a bent, curved, broken, or any other suitable shape, or they may be straight and mounted in an oblique position in the drum, or arranged in any other manner so that they divide the radius of the drum or a line parallel to the axis of the drum into short pieces. The said arrangement consists in the acting surfaces of the said plates, discs, &c.—*i.e.*, the surfaces of the same with which the liquid is in contact—being finely rifled or toothed (channelled) with the rifles mounted so close to each other that they are separated from each other only by a very thin rib, sharp-edged if necessary. By the said arrangement, especially if the rifles are formed by a pressing operation, the plates, &c., will be strengthened, so that they can be made very thin and light, the effect being besides increased very considerably. Either the one side of the plates, discs, &c., may be rifled, while the other side is smooth, or both the sides may be rifled. The arrangement last mentioned forms an essential part of this invention, especially if the rifles in the one side cross the rifles in the other side.

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

(Specification, 8s. 6d. ; drawing, 2s.)

No. 20954.—4th April, 1906.—FREDRIK WAGNER, of Vasagatan, 42 Stockholm, Sweden, Merchant (assignee of Henrik August Bertheau, of 6A Urvädersgrand, Stockholm, Sweden, Engineer. Improvements in explosion-motors.

*Claims.*—(1.) In such explosion-motors, in which air and fuel are sucked in by the one and same valve, a device serving to separate the air from the fuel at the suction, so that the fuel does not accompany into the cylinder, but remains in the ignition and evaporation chamber communicating with the cylinder, characterized thereby, that between the comparatively spacious chamber and the valve is placed a screen or partition-wall in such a manner that the fuel let in through the valve is compelled to enter the ignition and evaporation chamber for mixing with the therein entering combustion air when the motor makes its compression stroke. (2.) In such explosion-motors as claimed in Claim 1, the arrangement that the ignition body, consisting of some fire-proof, heat-absorbing material, suitably soapstone, is enclosed in one or more, also suitably soapstone, casings in such a manner that there is free passage and communication around respectively between the inner ignition body and the surrounding casings, of which the outer one is surrounded by the ignition chamber, for the purpose of keeping the ignition body protected against being cooled off. (3.) A constructional form of the arrangement claimed in (2), characterized thereby, that the innermost placed ignition body (a) as well as the nearest surrounding casing (c), made, for instance, of soapstone, are constructed as in each other placed cylinders, provided with studs or flanges (b), respectively (d), and suitable admission orifices (i) for the driving-gas mixture.

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

No. 20957.—2nd April, 1906.—OTHO CROMWELL DURYEA, of 2903 Dalton Street, Los Angeles, California, United States of America, Mechanic, and MORRIS COLUMBUS WHITE, at present residing at Clun House, Surrey Street, London, England, Mechanical Engineer. Improvements in or relating to the fuel and lubricant supply for internal-combustion engines.

*Claims.*—(1.) In an internal-combustion engine, feeding the lubricant into the explosive mixture. (2.) In an internal-combustion engine, the combination with a fuel-inlet 12 of a lubricant-inlet 13, whereby the lubricant is introduced into the air-passage and the whole mixed and supplied together to the engine. (3.) In an internal-combustion engine, the combination with a fuel-inlet (12) of a lubricant-inlet 13, both fuel and lubricant being drawn in by the air with the charge passing through a passage 11. (4.) The combination with an internal-combustion engine of a carburetter or vapouriser pivoted for the purpose described. (5.) In an internal-combustion engine, fuel or lubricant feeding mechanism automatically or otherwise adjustable relatively to the engine for the purpose described. (6.) The combination with an internal-combustion engine of a fuel-receptacle such as 5 adjustable relatively to the engine and attached thereto, substantially as described. (7.) The combination with an internal-combustion engine of a pivoted fuel-receptacle 5, a lubricant-receptacle 6, and regulating and vapourising mechanism co-operating therewith, sub-

stantially as described. (8.) A combined oil-receptacle and vapouriser adjustably connected directly to the body of an engine by means of a hollow bearing or trunnion. (9.) The combination with the body of a double-acting free-piston gas or vapour engine of a vessel containing receptacles for fuel and lubricant and provided with a vapouriser, said vessel being pivotally mounted by a hollow trunnion on the body of the engine, the vapouriser communicating with the chambers of the engine through the hollow trunnion, and the receptacles being connected to supply fuel and lubricant to the vapouriser. (10.) The combination with an engine-body having a bearing-face such as 2 of a vapouriser adapted to fit the face and rotate relatively to it, and having inlets which correspond with inlets in the face, the vapouriser being adjustably attached to the engine-body as by a bolt 7. (11.) A vapouriser for an internal-combustion engine, comprising a tank or receptacle 5 for fuel, a float-valve chamber connected therewith, and a tube 18 passing through the tank and provided with a spring-controlled rod 19 for moving the float-valve, substantially as described. (12.) The complete adjustable fuel- and lubricant-feeding mechanism for an internal-combustion engine, substantially as described and illustrated in the drawings. (Specification, 7s. 6d.; drawing, 2s.)

No. 20958.—2nd April, 1906.—OTHO CROMWELL DURYEA, of 2903 Dalton Street, Los Angeles, California, United States of America, Mechanic, and MORRIS COLUMBUS WHITE, at present residing in Clun House, Surrey Street, London, England, Mechanical Engineer. Improvements in or relating to free-piston gas or vapour engines.

*Claims.*—(1.) A rear compression direct double-acting gas or vapour engine having duplicate explosion-chambers and ways at its ends, and a piston-rod extending in said ways whereby equal action of the explosive charges in the opposite explosion-chambers is maintained. (2.) A rear compression direct double-acting gas or vapour engine having duplicate explosion-chambers and ways for the piston-rod open at both ends whereby the piston-rod is accessible at each end of the engine. (3.) A double-acting free-piston engine having ways at the ends of its body and having a piston-rod provided with two piston-heads and a rifle-bar between them, a rifle-sleeve mounted to rotate in one direction only, extending into the compression-chambers of the engine, and being chambered by the piston-heads on the compression-stroke, the piston-heads being hollow for that purpose. (4.) A free-piston engine having a sloping portion on its piston-rod, a pump on its body, the same being provided with a spring-retained piston, and a bell crank pivoted to the body and provided with rollers, one engaging said sloping portion and the other engaging the pump-piston for actuating the same, whereby water may be circulated for cooling the body of the engine. (5.) A free-piston engine having its body open at both ends, and having a piston-rod extending in and closing the openings at the ends, igniting-devices actuated from the piston-heads, and a handle adapted to be detachably connected with the piston-rod for starting the engine into operation. (6.) A free-piston engine having in its body ways at both ends, and having a piston-rod extending in and closing the ways at the ends and provided with a socket and an annular gain in one end of the piston-rod, and a handle for the piston-rod provided with a normally released catch, and with means for causing the catch to engage the annular gain of the piston-rod when the handle is inserted in the socket. (7.) The complete free-piston engine, substantially as described or illustrated in the drawings.

(Specification, 12s.; drawings, 2s.)

No. 21009.—18th April, 1906.—THE BIFURCATED RIVET COMPANY, LIMITED, of Gripwell Works, Warrington, Lancashire, England (assignees of Henry John Joscelyne, of 10 Wool Exchange, London, England, Managing Director of the said Company). Improvements in rivets.

*Claims.*—(1.) A rivet characterized by the fact that the shank is formed of comparatively soft metal, while the head is of hard metal, and is preferably provided with a slightly tapered hole in which one end of the soft shank is expanded, whereby the parts are firmly held together. (2.) Modification of the device according to Claim 1, characterized by the fact that the rivet is formed in one piece, the head thereof only being subsequently hardened. (3.) Modification of the device according to Claim 1, characterized by the fact that a flange is formed upon the shank to provide a support for the washer and to prevent the washer travelling down the shank when applied to a soft or yielding material. (Specification, 3s.; drawing, 1s.)

No. 21041.—25th April, 1906.—WILLIAM HENRY DAVIES, of 163 Heidelberg Road, Clifton Hill, near Melbourne, Victoria, Australia, Veterinary Surgeon. An improved adjustable horse-shoe.

*Claims.*—(1.) In an improved adjustable horse-shoe, making the same in two or more portions such as A and B, the portion A having therein at or near the toe of the shoe a slot such as D, while the other portion has a projection or tongue such as E for insertion within the said slot, substantially as described and illustrated. (2.) In an improved adjustable horse-shoe, the portions as set forth in Claim 1, the tongue and slot thereof having a hole or receptacle such as F for insertion of a metal pin, substantially as described and illustrated, and for the purpose set forth.

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

No. 21052.—28th April, 1906.—RICHARD PIERCE and HENRY SAMUEL WILKIE, both of Kaponga, Taranaki, New Zealand, Farmers. An improved wire-strainer.

*Extract from Specification.*—According hereto a lever provided with a pivoted hook is pivoted to one end of a plate upon which is formed an integral spur. The other end of the plate is coupled by links to a spring-operated clamp. Another spring-operated clamp is furnished with a length of chain, the links of which are adapted to be engaged by the pivoted hook.

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

(Specification, 2s. 6d.; 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*.

F. WALDEGRAVE,  
Registrar.

*Provisional Specifications accepted.*

Patent Office,  
Wellington, 30th May, 1906.

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

- No. 20904.—G. T. Bennett, wooden tower.
- No. 20970.—W. S. Clarke, fixing plastering-laths.
- No. 20987.—J. Carter, indoor game.
- No. 20988.—D. Macpherson, button.
- No. 20991.—F. Sewell, propulsion of vessels.
- No. 20997.—J. Macalister, seed-sower.
- No. 20998.—F. Armstrong, apparatus for drilling teeth.
- No. 21001.—J. M. Deschamps, fence-dropper.
- No. 21002.—W. Bary, swingletree.
- No. 21003.—A. G. Harvey, bit for controlling horse.
- No. 21004.—A. S. Sargison, A. J. Debenham, and C. F. A. Cambridge, music-stand for bands.
- No. 21011.—D. Ross and E. W. Pulver, cigarette-holder.
- No. 21016.—C. J. Walker, manufacture of welted boots.
- No. 21017.—B. Crawford and H. A. Tattersall, boiler.
- No. 21018.—A. A. Pinches, clothes-prop.
- No. 21022.—A. Harris, telegraph-wire insulator.
- No. 21024.—A. McLeod, smoke-consumer and gas and heat generator.
- No. 21025.—G. Sage, cement post.
- No. 21026.—D. McKinnon, seed-sower.
- No. 21027.—C. E. Thompson, non-refillable bottle.
- No. 21033.—J. McMahan, sling for lifting cattle, &c.
- No. 21034.—I. Bagot and H. W. Cranswick, nailless horse-shoe.
- No. 21036.—J. H. L. Barry, apron for reaper-and-binder.
- No. 21043.—F. G. B. Sanders, R. Sanders, H. Sanders, electric drilling-machine.
- No. 21046.—B. A. Undrill, hair-pin.
- No. 21050.—G. Barrett, boot and shoe fastener.
- No. 21064.—E. T. C. Firth, mixing and disintegrating machine.
- No. 21072.—United Shoe Machinery Company, boot and shoe making machine. (A. E. Jerram and A. Bates.)

- No. 21073.—United Shoe Machinery Company, boot and shoe making machine. (J. P. Pride and A. Bates.)  
 No. 21079.—F. W. Medhurst, combined telephone and telegraph instrument.  
 No. 21080.—E. S. Evelyn, non-refillable bottle.  
 No. 21033.—J. L. Jopp and W. Murphy, vehicle-brake.  
 No. 21095.—A. Crichton and W. Williams, swivelling seat.  
 No. 21096.—W. F. Lietz, producing hydraulic pressure.  
 No. 21038.—J. W. Butterworth, shaping surfaces of propeller-blades.  
 No. 21121.—R. Andrews, W. O. McFadden, and D. Whitburn, fastening for grating for drainpipes, &c.  
 No. 21229.—O. K. Carlson, apparatus for growing strawberries.
- 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 17th to the 30th May, 1906, inclusive.
- No. 18672.—M. Pelk, brand for meat.  
 No. 18772.—H. A. Atkinson, blind-fittings.  
 No. 18985.—W. Cown, filtering liquids.  
 No. 18998.—J. E. Bloom, preparing edible oils.  
 No. 19000.—A. Hopwood, means for keeping accounts.  
 No. 19006.—G. F. Bryant, racing or training sulky.  
 No. 19007.—W. E. Spencer and J. Sanderson, window-blind retainer.  
 No. 19015.—F. H. Cooper, trolley-pole controller.  
 No. 19038.—N. Nielsen, moulding hollow concrete blocks. (Harmon S. Palmer Hollow Concrete Building Block Company—H. S. Palmer.)  
 No. 19050.—United Shoe Machinery Company, paste-presenting machine. (O. Ashton.)  
 No. 19051.—United Shoe Machinery Company, boot or shoe trimming machine. (O. Ashton.)  
 No. 19100.—A. W. Jones, sen., and A. W. Jones, jun., electro-medical appliance.  
 No. 19167.—J. Gray, seed and manure sower.  
 No. 19229.—W. Andrews and A. W. Beaven, seed and grain cleaner.  
 No. 19271.—United Shoe Machinery Company, perforating-machine. (L. W. G. Flynt.)  
 No. 19273.—United Shoe Machinery Company, sewing-machine presser-foot mechanism. (E. E. Winkley.)  
 No. 19313.—W. S. Bagby, wagon.  
 No. 19449.—W. A. E. Browne, wood-drill.  
 No. 19644.—W. Howlin, operating valves, switches, &c.  
 No. 19851.—J. Bell, boot-repairing jack.  
 No. 19934.—A. E. and H. G. Bradley, motor-controller.  
 No. 20116.—J. Connell, hill-climbing device.  
 No. 20148.—The Universal Patent Bottle Company, Limited, anti-fraudulent bottle. (A. Houseman and L. Weichert.)  
 No. 20412.—Marine Construction Company, sand-blast apparatus. (J. D. Murray.)  
 No. 20419.—The British American Machinery Company, Limited, box-making machine. (E. T. Pollard and E. L. Behrmann.)  
 No. 20524.—A. J. and R. H. Campbell, seltzogene.  
 No. 20553.—R. H. Whitelegg, blast-pipe arrangement for engines.  
 No. 20585.—J. Brooks, flask or core for castings.  
 No. 20589.—J. Ingle and W. J. Green, cask-branding machine.

*Letters Patent on which Fees have been paid.*

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

SECOND-TERM FEES.

- No. 14564.—H. G. Hankin, gold-saving. 25th May, 1906.  
 No. 14891.—D. Murphy, flax-stripper plummer-block. 18th May, 1906.  
 No. 14932.—C. J. Shipway and H. May, sheep-shears. 17th May, 1906.  
 No. 14933.—G. W. Berry, soldering seams of cans. 25th May, 1906.  
 No. 14925.—P. Lanigan, cutting and shaping stone. 22nd May, 1906.  
 No. 14993.—W. Kingsland, electric-switch mechanism. 25th May, 1906.  
 No. 15139.—Sir W. G. Armstrong Whitworth and Co., Limited, shipping coal. (R. Wright.) 25th May, 1906.

THIRD-TERM FEES.

- No. 11608.—G. A. Allen, picture-exhibiting apparatus. (E. B. Koopman.) 25th May, 1906.  
 No. 11615.—The British Westinghouse Electric and Manufacturing Company, Limited, electrical distribution. (C. F. Scott.) 25th May, 1906.  
 No. 11628.—The British Uralite Company, Limited, manufacture of refractory material. (A. Imschenetzky.) 16th May, 1906.  
 No. 11639.—H. Schneider, corset. 16th May, 1906.  
 No. 11659.—The British Westinghouse Electric and Manufacturing Company, Limited, dynamo electric machinery. (G. Westinghouse and E. E. Nolan.) 21st May, 1906.  
 No. 11802.—Oxylitiquit Gesellschaft mit Beschränkter Haftung, explosive. (C. von Linde.) 16th May, 1906.  
 No. 11812.—The Wireless Telegraph and Signal Company, Limited, wireless telegraphy. (G. Marconi.) 17th May, 1906.

*Subsequent Proprietors of Letters Patent registered.*

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

- No. 11608.—George Alexander Allen, of the City of Wellington, in the Colony of New Zealand, Settler. Exhibiting succession of pictures. [E. B. Koopman.] 25th May, 1906.  
 No. 17398.—Joseph Greenfield, of 16 Stafford Avenue. Labourer; Edward Fawns Duthie, Local Manager New Zealand Express Company, Limited, of Crawford Street; William Patrick Ormond, of 21 Cargill Street, Horse-shoer; Hugh Johnston Gourley and James Montgomery Gourley, both of Clarke Street, Undertakers; all of Dunedin, in the Colony of New Zealand. Feed reservoir and box for horses. [J. A. Easton.] 18th May, 1906.  
 Nos. 19221 and 19222.—Hendryx Electro Cyanide Company, a corporation duly organized under the laws of the State of Maine, and having its principal place of business in the City of Augusta, in the State of Maine, United States of America. Ore-treatment. [W. A. Hendryx.] 18th May, 1906.  
 No. 19229.—Andrews and Beaven, Limited, a private company incorporated under the provisions of "The Companies Act, 1903," and having its registered office at No. 60 Moorehouse Avenue, in the City of Christchurch, in the Colony of New Zealand. Seed and grain cleaner. [W. Andrews and A. W. Beaven.] 28th May, 1906.

*Request to amend Specification allowed.*

THE request to amend specification No. 17797—J. B. Hay and A. J. Daniel, Treating offal (advertised in Supplement to *New Zealand Gazette*, No. 31, of the 19th April, 1906)—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 17th to the 30th May, 1906, inclusive:—
- No. 19745.—W. Jupp, flax-stripper beating-bar.  
 No. 19751.—A. and G. A. Harrowby, wire mattress.  
 No. 19752.—H. Hughes, funnel.  
 No. 19763.—E. Butler, A. Bensus, J. C. McDonald, and F. Johnson, game.  
 No. 19764.—F. McCullough and E. C. Derry, rough-rolling fabric.  
 No. 19765.—A. Troup, shower-bath. (P. B. Richards.)  
 No. 19769.—G. Holford, coupling-release.  
 No. 19770.—H. C. Thomsen, cocksfoot-thresher.  
 No. 19772.—J. A. Burke, connecting ends of chains.  
 No. 19774.—E. L. Baggstrom, feed-water heater.  
 No. 19775.—H. J. Tompkins, flushing cistern.  
 No. 19777.—A. McLeod, smoke-consumer and heat-generator.  
 No. 19779.—J. Rigg, book-support.  
 No. 19781.—R. Wales, cramp and mitre box.  
 No. 19782.—A. and F. J. Lawrence, egg-carrier.  
 No. 19787.—J. F. Bently, collapsible chair, &c.  
 No. 19788.—D. Robertson, game.  
 No. 19790.—L. H. Carroll, S. Jacobs, and W. J. McIntosh, flying-machine.

- No. 19791.—T. E. Jones, hamper-fastening.  
 No. 19794.—K. Lewis, puncture-repairing compound.  
 No. 19797.—O. T. Madeley, horse-bolting preventer.  
 No. 19798.—O. T. Madeley, rabbit-trap.  
 No. 19799.—N. R. Gordon, aerial-machine.  
 No. 19800.—G. J. Browne and E. Toms, sheet-metal-working machinery.  
 No. 19801.—C. C. Lake, coat-hanger.  
 No. 19805.—H. Norgrove, formation of sand-banks.  
 No. 19806.—H. Norgrove, portable boiler.  
 No. 19812.—D. T. McPhedran, traction-engine shoe.  
 No. 19814.—J. H. Rigden, steam-engine.  
 No. 19841.—J. Pomeroy, newspaper-file.

*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 17th to the 30th May, 1906, inclusive:—  
 Nil.

*Applications for Letters Patent lapsed.*

- LIST of applications for Letters Patent lapsed owing to Letters Patent not being sealed, from the 17th to the 30th May, 1906, inclusive:—  
 No. 18775.—G. Armstrong, elevating and delivering material.  
 No. 18776.—M. Bacon, blouse and skirt support.  
 No. 18787.—A. F. Gibson, flax treatment.  
 No. 18806.—E. S. Baldwin and H. H. Rayward, bread-making. (Deutsche Dauerbrot Gesellschaft.)

*Letters Patent void.*

LIST of Letters Patent void through non-payment of renewal fees, and through expiry of term of fourteen years, from the 17th to the 30th May, 1906, inclusive:—

THROUGH NON-PAYMENT OF SECOND-TERM FEES.

- No. 14540.—N. Bidstrup, fluid-register. (J. Marchbank.)  
 No. 14544.—H. Peck, can-soldering machine. (J. M. K. Letson and F. W. Burpee.)  
 No. 14546.—The Welsbach Incandescent Gas-light Company, Limited, incandescent mantle. (The Kern Burner Company, Limited—C. Clamond.)  
 No. 14553.—Crown Paper Company, making carbon-paper. (F. B. How.)  
 No. 14556.—H. Pennington and M. T. West, milk cooler and aerator.  
 No. 14558.—G. Davidson, log-hauling block.  
 No. 14559.—D. Donald, punching, shearing, and stamping machine.  
 No. 14562.—G. Percival, bicycle-crank.  
 No. 14563.—A. Tornaghi, engine-governor.  
 No. 14565.—T. Goucher, target.  
 No. 14567.—J. F. McNeill, turnip and seed sower.  
 No. 14569.—A. Sutherland, wire-strainer.

THROUGH NON-PAYMENT OF THIRD TERM FEES.

- No. 11392.—D. McGill and F. W. Tannett-Walker, refrigerating-machine.  
 No. 11407.—A. Lavery, wire-strainer.

THROUGH EXPIRY OF TERM.

- No. 5562.—S. Straker, pulverising grain

*Applications for Registration of Trade Marks.*

Patent Office,  
 Wellington, 30th May, 1906.

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: 5872.

Date: 4th April, 1906.

TRADE MARK.



The essential particulars of this trade mark are the name "Topsy" and the figure of the negress looking into the boot; and any right to the exclusive use of the wording "Blackine, box-calf, for patent glacé kid, splendid for harness, sold all over the world," is disclaimed.

NAME.

JOHN CHARLES SHARPLES, of 71 Howe Street, Auckland, in the Colony of New Zealand, trading under the name of the "Topsy Blackine Company."

No. of class: 50.

Description of goods: Blacking.

No. of application: 5894.

Date: 11th April, 1906.

TRADE MARK.



NAME.

JAMES CARR AND SONS, of Clarence Mills, Clarence Street, Chester Road, Manchester, England, Manufacturers.

No. of class: 25.

Description of goods: Tapes for venetian blinds.



No. of application : 5895.

Date : 11th April, 1906.

TRADE MARK.



The essential particulars of this trade mark are the word "Cecyle," the device of an eye, the words "An added eye to C.C.L. turns C.C.L. to cecyle," and the word "Cecyle" crossed by an arrow; and any right to the exclusive use of the words "The ladder web" is disclaimed.

NAME.

JAMES CARR AND SONS, of Clarence Mills, Clarence Street, Chester Road, Manchester, England, Manufacturers.

No. of class : 25.

Description of goods : Tapes for venetian blinds.

No. of application : 5896.

Date : 11th April, 1906.

TRADE MARK.



"ALL BLACKS."

B

NAME.

GOLDINGHAM AND BECKETT, of King Street, Palmerston North, in the Colony of New Zealand, Merchants.

No. of class : 42.

Description of goods : Teas.

No. of application : 5914.

Date : 20th April, 1906.

TRADE MARK.

The words

**SIGALL'S  
ARABI PASHA.**

NAME.

SIGALL AND Co., of Manners Street, Wellington, in the Colony of New Zealand.

No. of class : 45.

Description of goods : Tobacco, cigars, cigarettes, and snuff.

No. of application : 5981.

Date : 5th May, 1906.

TRADE MARK.



The essential particulars of this trade mark are the word "Marlo," the distinctive device, and the floral leaf; and applicant disclaims any right to the exclusive use of the added matter, except in so far as it relates to her name and address.

NAME.

ELIZABETH WHITE WORTLEY, trading as "Madame White," of 27 Russell Terrace, Wellington, in the Colony of New Zealand.

No. of class : 3.

Description of goods : Medicines.

No. of application : 5944.

Date : 8th May, 1906.

TRADE MARK.

The word

**CRAVAN.**

NAME.

CHARLES DICKINSON, of Dunedin, in the Colony of New Zealand, Tobacconist.

No. of class : 50.

Description of goods : Tobacco-pipes.

No. of application : 5955.

Date : 11th May, 1906.

TRADE MARK.

The word

**MALTINES.**

NAME.

CLARKE AND Co., of 101 Lichfield Street, Christchurch, in the Colony of New Zealand.

No. of class : 42.

Description of goods : Confectionery.

No. of application : 5956.

Date : 14th May, 1906.

TRADE MARK.

The word

**SATINETTE.**

NAME.

PINCHIN, JOHNSON, AND Co., LIMITED, of 23-25 Billiter Street, London, England, Paint and Varnish Manufacturers.

No. of class : 1.

Description of goods : Paints, varnishes, colours, enamels, and dryers.

TRADE MARK.

The word

**"ENSIGN."**

NAME.

R. WILSON AND Co., of Bond and Jetty Streets, Dunedin, in the Colony of New Zealand, Importers and General Merchants.

No. of class : 42.

Description of goods : Tea.

No. of application : 5959.

Date : 15th May, 1906.

TRADE MARK.

The word

**CLUB.**

NAME.

CHARLES HERBERT JOSEPH BAUMERT, of Upper Hutt, Wellington, in the Colony of New Zealand.

No. of class : 42.

Description of goods : Substances used as food or as ingredients in food, except tea and coffee, and articles of same description as tea and coffee.

No. of application : 5960.

Date : 15th May, 1906.

TRADE MARK.

The words

**BAUMERT'S  
CREAMO.**

NAME.

CHARLES HERBERT JOSEPH BAUMERT, of Upper Hutt, Wellington, in the Colony of New Zealand.

No. of class : 42.

Description of goods : Substances used as food or as ingredients in food, except tea and coffee, and articles of the same description as tea and coffee.

No. of application: 5961.  
Date: 16th May, 1906.

TRADE MARK.  
The word  
**RIPOLIN.**

NAME.  
RIPOLIN, LIMITED, of 110 Fenchurch Street, London, England, Manufacturers.

No. of class: 1.  
Description of goods: Paints, colours, varnishes, and enamels.

No. of application: 5962.  
Date: 18th May, 1906.

TRADE MARK.

**O**

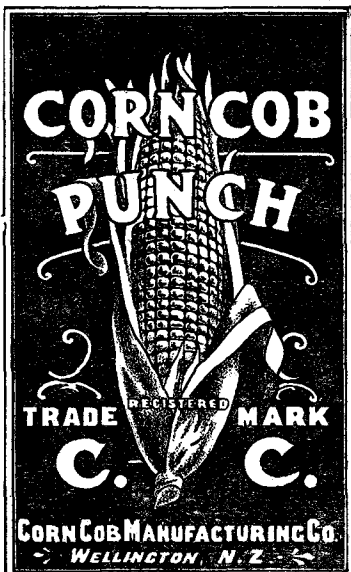
The applicants claim that the said trade mark has been in use by them or their predecessors in title in respect of the articles mentioned since before 1st January, 1890.

NAME.  
DONAGHY'S ROPE AND TWINE COMPANY, LIMITED, of 10 Lower Rattray Street, Dunedin, in the Colony of New Zealand, Manufacturers.

No. of class: 50.  
Description of goods: Rope and twine.

No. of application: 5963.  
Date: 18th May, 1906.

TRADE MARK.



The essential particulars of this trade mark are the device and words "Corn Cob," and the letters "C.C." in combination therewith; and applicant disclaims any right to the exclusive use of the added matter, except the trading name and address.

NAME.  
ALBERT M. SAMUEL, trading as the "Corn Cob Manufacturing Company," of 39 Thorndon Quay, Wellington, in the Colony of New Zealand.

No. of class: 42.  
Description of goods: Non-alcoholic and non-aerated beverage.

No. of application: 5964.  
Date: 21st May, 1906.

TRADE MARK.  
The word  
**"PERFECTA."**

NAME.  
FRANK EDWARD ALFREY, of 112 George Street, Dunedin, in the Colony of New Zealand, Cycle-manufacturer.

No. of class: 22.  
Description of goods: Cycles.

No. of application: 5965.  
Date: 21st May, 1906.

TRADE MARK.

*Deering*

NAME.  
INTERNATIONAL HARVESTER COMPANY OF AMERICA, a corporation duly organized under the laws of the State of Wisconsin, with offices at 7 Monroe Street, Chicago, County of Cook, State of Illinois, United States of America.

No. of class: 7.  
Description of goods: Agricultural machines, consisting of grain and grass harvesting machines, including grain-binding harvesters, corn-harvesters, rice-harvesters, mowers and reapers, as well as extra and repair parts and pieces for such apparatus.

No. of application: 5966.  
Date: 21st May, 1906.

TRADE MARK.  
*McCormick*

## NAME.

INTERNATIONAL HARVESTER COMPANY OF AMERICA, a corporation duly organized under the laws of the State of Wisconsin, with offices at 7 Monroe Street, Chicago, County of Cook, State of Illinois, United States of America.

No. of class : 7.

Description of goods : Agricultural machines, comprising all classes of hay and grain harvesters, including grain harvesters, corn-harvesters, rice-harvesters, mowers, reapers, rakes, and tedders, as well as extra and repair parts and pieces for such apparatus.

No. of application : 5968.

Date : 21st May, 1906.

## TRADE MARK.



## NAME.

STANDARD OIL COMPANY OF NEW YORK, a New York corporation, of 26 Broadway, New York, United States of America.

No. of class : 47.

Description of goods : Benzine, naphtha, gasoline, and turpentine.

No. of application : 5969.

Date : 21st May, 1906.

## TRADE MARK.

The word

“CYCLONE.”

## NAME.

WILLIAM ERNEST HUGHES, of Wellington, in the Colony of New Zealand, Patent Agent, and SYDNEY SAMUEL HARTLEY, of San Francisco, California, United States of America, Real Estate Agent.

No. of class : 47.

Description of goods : Preparation for removing varnish, shellac, hard oil finish, wax, asphaltum, grease, paint, lacquers, and the like, also bronze, gilded and painted letters, from wood, tin, glass, hardware, or other surfaces.

No. of application : 5971.

Date : 23rd May, 1906.

## TRADE MARK.

The word

“SARBON.”

## NAME.

SARGOOD, SON, AND EWEN, New Zealand.

No. of class : 30.

Description of goods : Silk, spun, thrown, or sewing.

No. of application : 5973.

Date : 25th May, 1906.

## TRADE MARK.

The word

“WIOLETTA.”

## NAME.

MARY JANE GILL, of 232 Durham Street, Christchurch, in the Colony of New Zealand, Manufacturer.

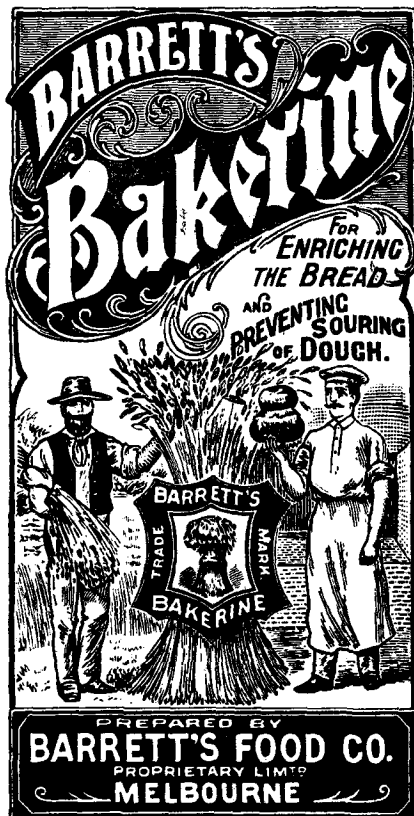
No. of class : 48.

Description of goods : Toilet articles, such as skin-food.

No. of application : 5976.

Date : 25th May, 1906.

## TRADE MARK.



The essential particulars of this trade mark are the distinctive label, the word “Bakerine,” the representation of a farmer in a field holding a sheaf of wheat and a shield on which is depicted a sheaf of wheat and the word “Bakerine” is inscribed, and a baker near a baker's oven holding a loaf of bread; and applicants disclaim any right to the exclusive use of the added matter, except in so far as it consists of their own name and address.

## NAME.

BARRETT'S FOOD COMPANY PROPRIETARY LIMITED, of Stephenson Street, Richmond, Melbourne, Victoria, Australia.

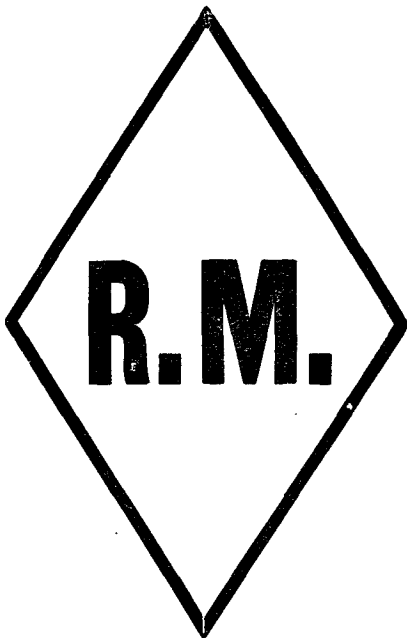
No. of class: 42.

Description of goods: Baking-powder, flour, or yeast.

No. of application: 5978.

Date: 29th May, 1906.

## TRADE MARK.



The applicant claims that the said trade mark has been in use by him in respect of the article mentioned for twenty years.

## NAME.

ROBERT MARTIN, of 17 Manners Street, Wellington, in the Colony of New Zealand.

No. of class: 1.

Description of goods: White-lead.

No. of application: 5979.

Date: 29th May, 1906.

## TRADE MARK.

The word

**MAL-KAH.**

## NAME.

B. KRIEGSFELD AND Co., also trading as "Mal-Kah Company," and also trading as "The Anglo-Colonial Tobacco Company," of 45 Lower Mosley Street, Manchester, England, Tobacco and Cigarette Manufacturers.

No. of class: 45.

Description of goods: Tobacco, cigars, cigarettes, and snuff.

F. WALDEGRAVE,  
Registrar.

## Trade Marks registered.

LIST of Trade Marks registered from the 17th to the 30th May, 1906, inclusive:—

- No. 4552; 5770.—Holbrooks, Limited. Class 42. (*Gazette* No. 15, of the 22nd February, 1906.)  
 No. 4553; 5807.—The Stewart Timber, Glass, and Hardware Company, Limited. Class 18. (*Gazette* No. 19, of the 8th March, 1906.)  
 No. 4554; 5557.—Ward Bros., Limited. Class 38. (*Gazette* No. 19, of the 8th March, 1906.)  
 No. 4555; 5538.—Ward Bros., Limited. Class 38. (*Gazette* No. 19, of the 8th March, 1906.)  
 No. 4556; 5559.—Ward Bros., Limited. Class 38. (*Gazette* No. 19, of the 8th March, 1906.)  
 No. 4557; 5577.—Gordon Woodroffe and Co. Class 42. (*Gazette* No. 19, of the 8th March, 1906.)  
 No. 4558; 5584.—R. B. Wight. Class 42. (*Gazette* No. 106, of the 1st December, 1905.)  
 No. 4559; 5787.—American Silvershine Company. Class 50. (*Gazette* No. 15, of the 22nd February, 1906.)  
 No. 4560; 5800.—J. A. Rae. Class 3. (*Gazette* No. 19, of the 8th March, 1906.)  
 No. 4561; 5801.—J. A. Rae. Class 2. (*Gazette* No. 19, of the 8th March, 1906.)  
 No. 4562; 5817.—Bovril, Limited. Class 42. (*Gazette* No. 19, of the 8th March, 1906.)  
 No. 4563; 5432.—The Guttapercha and Rubber Manufacturing Company of Toronto, Limited. Class 38. (*Gazette* No. 75, of the 10th August, 1905.)  
 No. 4564; 5433.—The Guttapercha and Rubber Manufacturing Company of Toronto, Limited. Class 38. (*Gazette* No. 75, of the 10th August, 1905.)  
 No. 4565; 5434.—The Guttapercha and Rubber Manufacturing Company of Toronto, Limited. Class 50. (*Gazette* No. 75, of the 10th August, 1905.)

## Trade Mark Renewal Fees paid.

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

- No. 448/327.—19th April, 1906.—T. Pease, Son, and Co., of Darlington, England. 21st May, 1906.  
 No. 464/348 and 466/349.—6th May, 1906.—Thomson, Bridger, and Co., of Dunedin, N.Z. 21st May, 1906.  
 Nos. 521/415 and 522/416.—1st July, 1906.—P. McGill, of Tokomairiro, N.Z. 21st May, 1906.  
 No. 545/487.—22nd August, 1906.—W. Scouler and Co., of Dunedin, N.Z. 29th May, 1906.

## Subsequent Proprietors of Trade Marks registered.

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

- NO. 464/348 and 466/349.—Thomson, Bridger, and Co., Limited, of Dunedin, in the Colony of New Zealand, Hardware Merchants. [Thomson, Bridger, and Co.] 21st May, 1906.  
 No. 1659/1405.—Suchard (Societe Anonyme), of Neuchatel, Switzerland, Chocolate Manufacturers. [C. Russ.] 18th May, 1906.

## Trade Marks removed from the Register.

TRADE Marks removed from the Register, owing to the non-payment of the renewal fee, from the 17th to the 30th May, 1906:—

- No. 409/309.—18th February, 1892.—A. and W. Ahlfeld and P. Kahlenberg, of Dunedin, N.Z. Class 50.  
 No. 411/311.—20th February, 1892.—A. Barrie, of Melbourne, Vic. Class 39.  
 No. 413/313.—24th February, 1892.—Lattey, Livermore, and Co., Limited, of Wellington, N.Z. Class 42.

## Application for Trade Mark withdrawn.

THE following application for trade mark has been withdrawn:—

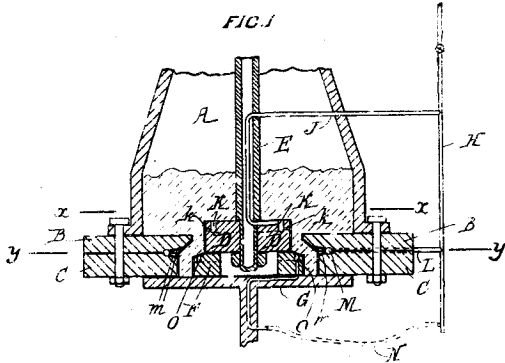
- No. 5544.—Brough, Nicholson, and Hall (advertised in Supplement to *New Zealand Gazette*, No. 96, of the 2nd November, 1905).

By Authority: JOHN MACKAY, Government Printer, Wellington.

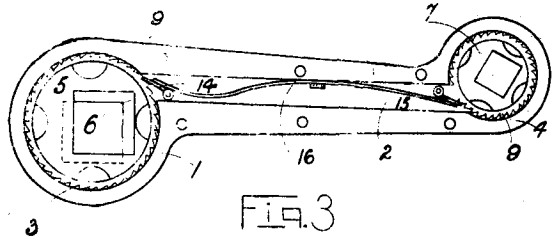


# ILLUSTRATIONS OF INVENTIONS.

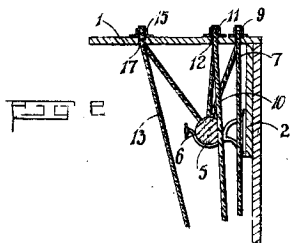
[These illustrations refer to the complete specifications accepted, and advertised in this *Gazette*.]



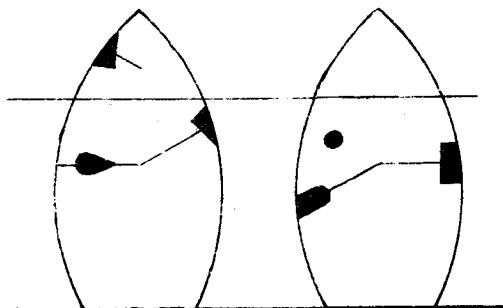
19188  
Owen. Pipe-machine.



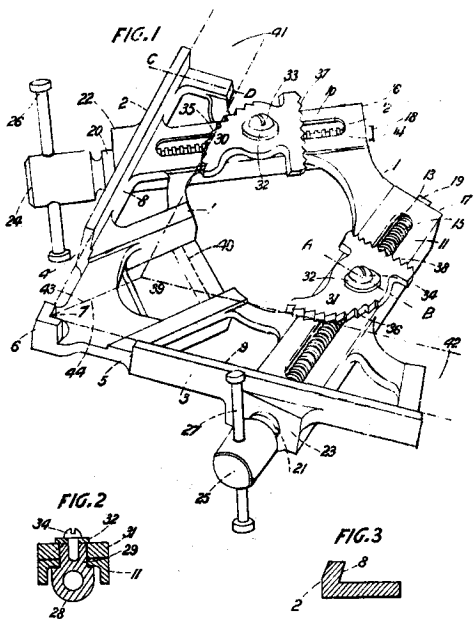
19643  
Stevenson. Ratchet-wrench.



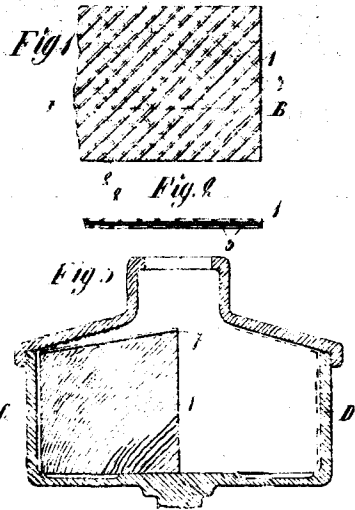
19701  
Macgregor. Curtain-pole Raiser, &c.



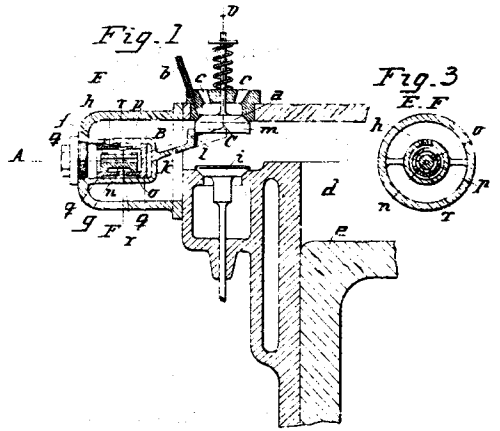
19747  
Maddison. Ear-mark.



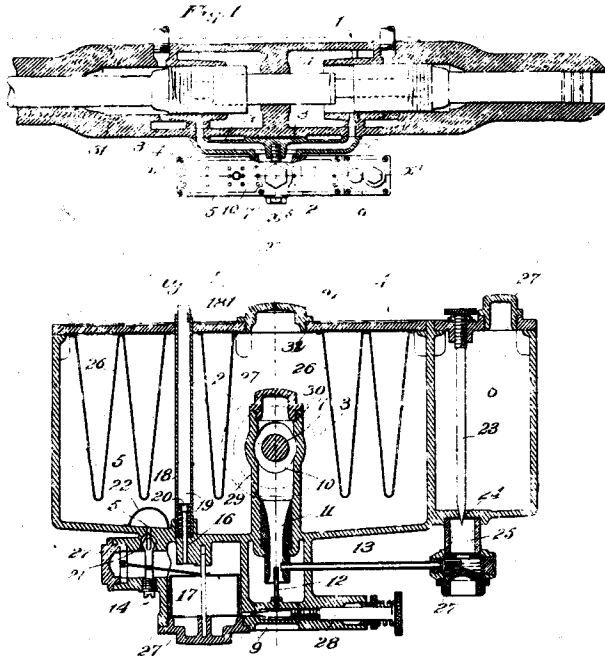
19776  
Dunne. Frame-clamp.



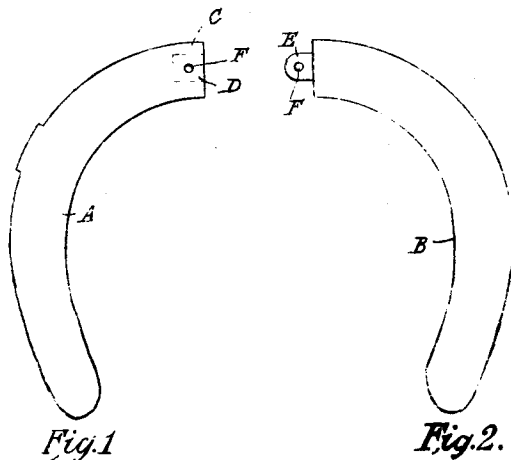
20927  
Rinström. Separator over.



20954  
Wagner. Explosion-motor. (Berthou...

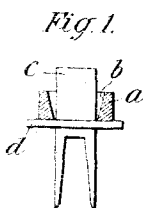


20957  
Davyea and White. Internal-combustion Engine.

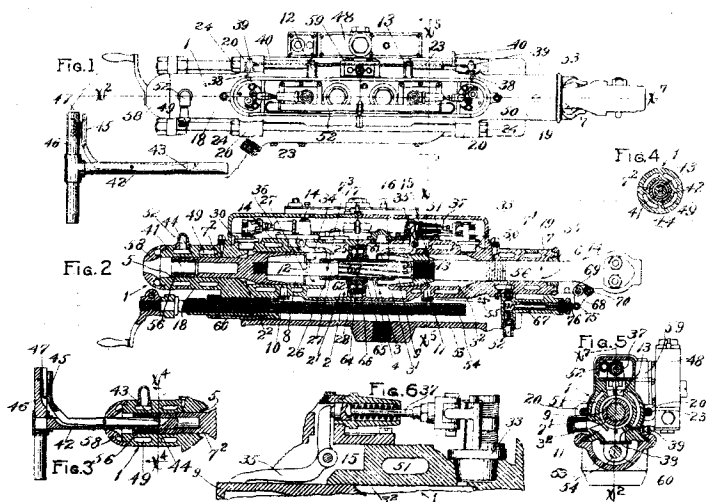


21041  
Davies. Horse-shoe.

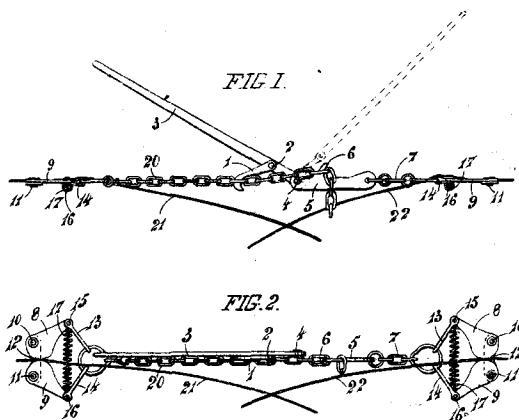




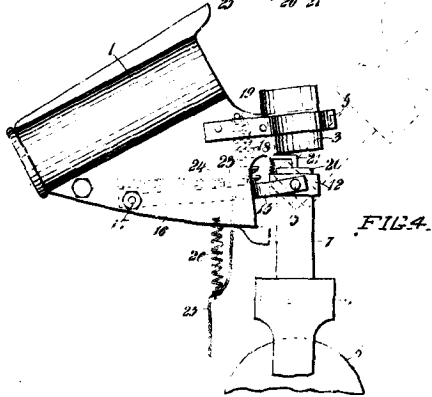
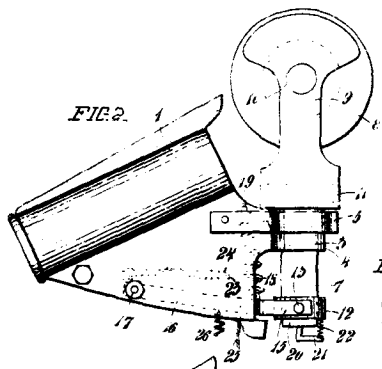
21009  
The Bifurcated Rivet Company (Limited). Rivet. (Joselyne.)



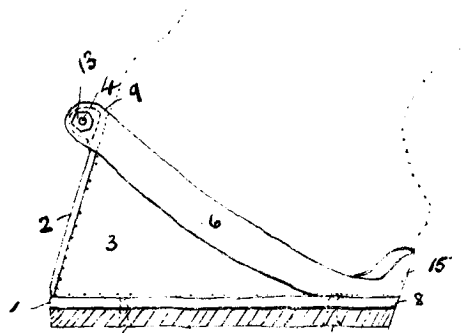
20958  
Duryea and White. Free-piston Engine.



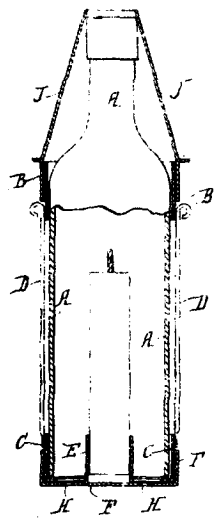
21052  
Pierce and Wilkie. Wire-strainer.



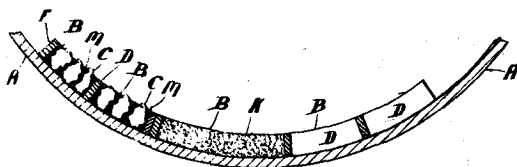
20376  
Holmes and Allen. Trolley-head.



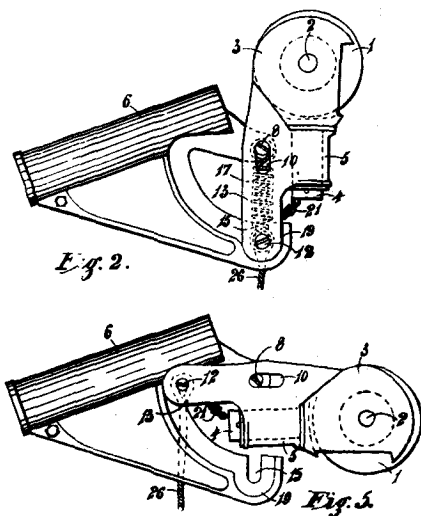
20857  
Ledge & Co. Horse-shoe



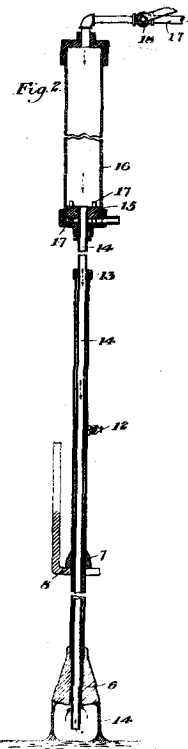
20890  
Teasdale. Lantern.



20436  
Barry. Tube Mill-lining.



20883  
Holmes and Allen. Trolley-head.



20908  
Window-glass Machine Co. Drawing Glass Articles. (Lubbers.)