

Patents, Designs, and Trade Marks

SUPPLEMENT

NEW ZEALAND GAZETTE

TO THE

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

INTERNATIONAL CONVENTION.

THE following countries now belong to the Convention :—

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

* Trade marks only.

Separate arrangements have been made between Australia and New Zealand,

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

Notification of adhesion of New Zealand to the Convention, with text thereof (in English), in the *Gazette* of 26th November, 1891; notification of adherence of New Zealand to the Additional Act of the Convention, 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.

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 in brackets. † Denotes an application under the International and Intercolonial Arrangements.)

Expanded Metal Company, Limited, Westminster, Eng. (<i>Salmon, H.</i>)	Expanded metal* ; 29093 ; 1st February.
Thompson, C. E., Aratapu, N.Z.	Fishing-boat* ; 29094 ; 3rd February.
Field, F. A., Auckland, N.Z.	Needle or bodkin* ; 29095 ; 2nd February.
Gurr, T. S., Dunedin, N.Z.	Cooking-range attachment ; 29096 ; 3rd February.
Hutcheson, J. A., Dunedin, N.Z.	Cooking-range attachment ; 29096 ; 3rd February.
Welch, E. J. J., Masterton, N.Z.	Ironing-board* ; 29097 ; 3rd February.
Hope, W. J., Masterton, N.Z.	Ironing-board* ; 29097 ; 3rd February.
Fotheringham, J., Launceston, Tas.	Fruit-picking bag ; 29098 ; 7th February.
Fotheringham, W., Launceston, Tas.	Fruit-picking bag ; 29098 ; 7th February.
Pearl, C. H., Launceston, Tas.	Fruit-picking bag ; 29098 ; 7th February.
McKiernan-Terry Drill Company, New York, U.S.A. (<i>Haeseler, C. H.</i>)	Power-operated percussive tool* ; 29099 ; 7th February.
Wood, J. E., Seattle, U.S.A.	Display apparatus* ; 29100 ; 7th February.
Flurscheim, B. J., Rushmoor, Eng.	Explosive* ; 29101 ; 17th February, 1910.†
Pugh, F. W., London, Eng.	Glass panel* ; 29102 ; 11th February, 1910.†
Wilson, C. J., Christchurch, N.Z.	Plaster slabs ; 29103 ; 7th February.
Wallace, W., Invercargill, N.Z.	Rabbit-trap ; 29104 ; 7th February.
Palmer, W., Invercargill, N.Z.	Rabbit-trap ; 29104 ; 7th February.
Glanville, L., Southbridge, N.Z.	Exhaust-valve ; 29105 ; 7th February.
Allan, E. A., Auckland, N.Z.	Eyeglass-holder ; 29106 ; 8th February.
Barrett, T., Ultimo, N.S.W.	Horse-shoe machine* ; 29107 ; 14th February, 1910.†
Moyes, J., Cathcart, Scot.	Signalling-apparatus* ; 29108 ; 7th March, 1910.†
Stevenson, C. A., Edinburgh, Scot.	Signalling-apparatus* ; 29108 ; 7th March, 1910.†
Berendsen, F., Wellington, N.Z.	Friction appliance ; 29109 ; 9th February.
Ashton, S. T., Castlecliff, N.Z.	Tip-trolley ; 29110 ; 9th February.
White, M. C., Chicago, U.S.A.	Briquetting-apparatus* ; 29111 ; 7th February.
Duryea, O. C., Chicago, U.S.A.	Briquetting-apparatus* ; 29111 ; 7th February.
Weger, B. J., Gisborne, N.Z.	Rimming deep-well borings ; 29112 ; 27th January.
Thom, H. E., Gisborne, N.Z.	Saddle-girth* ; 29113 ; 6th February.
Secombe, H. H., Auckland, N.Z.	Window-fastener ; 29114 ; 9th February.
Baird, A. C., Auckland, N.Z.	Gas and oil engine ; 29115 ; 9th February.
Cowie, A. P., Northcote, N.Z.	Hook ; 29116 ; 9th February.
Suttie, C., Waharoa, N.Z.	Flax-dressing ; 29117 ; 11th February.
Wynyard, M. H., Auckland, N.Z.	Flax-dressing ; 29117 ; 11th February.
Sandlant, W., Gisborne, N.Z.	Clothes-peg ; 29118 ; 13th February.
Cooper, C., Mangatoki, N.Z.	Valve* ; 29119 ; 13th February.
Cooper, C., Mangatoki, N.Z.	Steam-jet silencer* ; 29120 ; 13th February.
Globe Printing Company, Limited, Wellington, N.Z. (<i>Parker, A., Frost, J. E., and Salek, S.</i>)	Printing, perforating, &c., machine* ; 29121 ; 13th February.
Davies, H. W., Wellington, N.Z.	Bath, &c., water-heater* ; 29122 ; 13th February.
Bone, W. A., Leeds, Eng.	Heating liquids* ; 29123 ; 22nd February, 1910.†
Wilson, J. W., Armley, Eng.	Heating liquids* ; 29123 ; 22nd February, 1910.†
McCourt, C. D., London, Eng.	Heating liquids* ; 29123 ; 22nd February, 1910.†
McKenzie and Holland, Limited, London, Eng.	Railway signal-apparatus* ; 29124 ; 1st July, 1910.†
Pearce, W. A., London, Eng.	Railway signal-apparatus* ; 29124 ; 1st July, 1910.†
White, M., Luton, Eng.	Gas-generator* ; 29125 ; 14th February.
White, J. H., Luton, Eng.	Gas-generator* ; 29125 ; 14th February.
Youlten's "Onyx" Process (International), Brighton, Eng.	Dirt, separating from fibrous and other materials* ; 29126 ; 14th February.
Youlten, W., Brighton, Eng.	Dirt, separating from fibrous and other materials* ; 29126 ; 14th February.
Keesing, H. M., Auckland, N.Z.	Grate ; 29127 ; 13th February.
Rome, L., Christchurch, N.Z.	Hat-pin-point protector ; 29128 ; 14th February.
Adams, W. L., Tokomaru, N.Z.	Fibre-catcher ; 29129 ; 15th February.
Abrams, L. G., Glebe Point, N.S.W.	Broom, &c., socket-handle attachment ; 29130 ; 15th February.
Godfree, E. G., Sandringham, Vic.	Water-sprinkler* ; 29131 ; 15th February.
Howard, J. R., Greatford, N.Z.	Telephone-system ; 29132 ; 15th February.
Lauchlan, G., Wellington, N.Z.	Electric water-heater ; 29133 ; 15th February.
Kreissig, M. O., Wellington, N.Z.	Show-case ; 29134 ; 15th February.
Madero, E. J. M., Buenos Aires, Argentina	Rotary engine* ; 29135 ; 15th February.
Pink, L., Berlin, Germany	Wall, floor, &c., covering* ; 29136 ; 15th February.
Cowling, E., Sydney, N.S.W.	Hair-frame ; 29137 ; 15th February.
Cooper, J. J., Onehunga, N.Z.	Holding cow's tail while milking ; 29138 ; 14th February.
Standard Light Company, Wilmington, U.S.A. (<i>Conner, H. M.</i>)	Vapour-generator, &c.* ; 29139 ; 16th February.
McCarthy, F., Wanganui, N.Z.	Wire-strainer ; 29140 ; 16th February.
McDonnell, C., Taihape, N.Z.	Wire-strainer ; 29140 ; 16th February.
Ridge, J., Oroua, N.Z.	Non-refillable bottle ; 29141 ; 16th February.
Duncan, C. W., Carnarvon, N.Z.	Hat-pin-point protector ; 29142 ; 16th February.
Stride, H. D., Chichester, Eng.	Hat-pin-point protector ; 29142 ; 16th February.
Fry, H. A., Umukuri, N.Z.	Acetylene-generator ; 29143 ; 16th February.
Brock, C., Wellington, N.Z.	Ship steering apparatus ; 29144 ; 16th February.
McKellar, C. G., Christchurch, N.Z.	Closet-basin* ; 29145 ; 15th February.
Griffiths, E. W., New Plymouth, N.Z.	Bookmarker, &c. ; 29146 ; 14th February.
Waters, E. N., Melbourne, Vic. (<i>Badische Anilin & Soda Fabrik.</i>)	Ammonia-manufacture* ; 29147 ; 15th February.
Waters, E. N., Melbourne, Vic. (<i>Badische Anilin & Soda Fabrik.</i>)	Ammonia-manufacture* ; 29148 ; 15th February.

Complete Specifications filed after Provisionals.

LIST of complete specifications filed after provisional specifications from the 4th to the 17th February, 1911, inclusive:—

- No. 27672.—C. Suttie and M. H. Wynyard, flax-dressing.
 No. 27673.—C. Suttie and M. H. Wynyard, flax-catcher.
 No. 27680.—H. T. Sheppey and T. T. Boyle, meat, &c., preservation.
 No. 27684.—H. H. Gilshnan, whip-thong fastening to handle.
 No. 27798.—F. J. S. Caverhill, overhead driving-gear for sheep-shearing machine.
 No. 28068.—R. D. Haworth and C. D. Grey, packing-case lining.
 No. 28120.—H. Droulge, milking-machine bucket-head.
 No. 28123.—W. A. Assenborough, alarm and steering-gear.
 No. 28445.—J. Liggins, flax-scutter.

Notice of Acceptance of Complete Specifications.

Patent Office,
 Wellington, 22nd February, 1911.

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.

The copies of claims and extracts from the specifications and drawings are merely intended to give some further indication of the invention than is disclosed in the title, and the complete specifications and drawings should be referred to for a description of the invention.

No. 27444.—18th March, 1910.—SAMUEL WATERS, of Jefferson Street, Brooklyn, Wellington, New Zealand, Plumber. An improved shutter for flash-signalling.*

Extract from Specification.—Consists of a casing having an opening preferably elliptical in form, in which casing a pair of plates are mounted in such a manner as to overlap with each other and to cover the opening. These plates are also so mounted that they may be moved apart by the operation of a trigger and thereby to uncover such opening. The plates are kept normally in the covering position by means of a spring, so that when opened and released they will again close. The casing is provided with means whereby it may be clamped to the front of a lamp or lantern.

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

(Specification, 4s. 9d.)

No. 27478.—30th March, 1910.—THE S. & M. DRILL-COMPANY, a corporation duly organized and existing under and by virtue of the laws of the State of California, United States of America, having its principal place of business in the City and County of San Francisco, California aforesaid (assignees of Henry William Muhleisen, a citizen of the United States of America, resident of the City and County of San Francisco aforesaid). Drilling-apparatus.

Claims.—(1.) In an apparatus for the described purpose, the same comprising a rotatable stem casing composed of united tube sections, a drive section secured to the upper end thereof, a double tube drill section secured to the lower end of the stem casing, and means for supplying under pressure abrasive material to the cutting-edge of the drill section. (2.) In an apparatus for the described purpose, the combination with the rotatable stem casing, a double tube drill section connected to the lower end thereof, a series of temporarily filled spirally disposed openings formed through the walls of the double tube drill section, the said openings acting successively as cutting-teeth, and means for supplying through the stem casing under pressure abrasive material to the cutting-edge of the drill section.

[NOTE.—Here follow four other claims.]

(Specification, 8s. 3d.)

No. 27514.—2nd April, 1910.—NORMAN JOHN DAYSH, of Carterton, New Zealand, Dairy-farmer. Milking-machine pulsator.*

Extract from Specification.—According to my invention, a cylinder communicates with the main vacuum-pipe and has a piston reciprocable by a slide-rod, or otherwise driven by any convenient means. The cylinder is in communication with the teat-cups, and the reciprocation of the piston alternately admits air through a hole in the cylinder to the annular space referred to, and opens communication between said annular space and the vacuum-pipe so that air is withdrawn therefrom.

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

(Specification, 2s. 9d.)

No. 27570.—14th April, 1910.—GUY HONYWOOD, of Dunedin, New Zealand, Salesman. An improved pulverizing-machine.*

Extract from Specification.—The leading feature of my invention is a revolving drum containing a series of toothed arms which revolve with the drum and periodically emerge through apertures in the periphery thereof, and break down the material fed thereon, the teeth thereafter retiring below the periphery into the apertures, and being cleaned by such retirement.

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

(Specification, 5s. 9d.)

No. 27610.—21st April, 1910.—MAURICE DELVIGNE, of 18 Rue Delvaux, Namur, Belgium, Merchant. Improvements in explosives.*

Claims.—(1.) Explosives containing as the combustible element calcium-silicide or other alkaline-earth silicide. (2.) Explosives formed of an alkaline-earth silicide such as calcium-silicide and of a comburent such as ammonium-nitrate. (3.) Explosives formed by the addition of an alkaline-earth silicide such as calcium-silicide to explosives already complete in themselves. (4.) Explosives formed by the addition to an explosive in accordance with claim 2 of an explosive already complete in itself, with an increase in the proportion of comburent if desired.

(Specification, 3s. 3d.)

No. 27643.—27th April, 1910.—CHRISTOPHER INGRAM, of Waimauku, New Zealand, Engineer. Improvements in brick-kilns.*

Extract from Specification.—Consists in constructing the kiln with a flue extending right round it built between the external wall and the arch, or another internal wall, and extends to the top of the kiln. Movable iron pipes are provided on top of the kiln for connecting each of the chambers with this flue, such pipes being provided with lids or stoppers whereby the passage through them may be closed when desired.

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

(Specification, 4s. 6d.)

No. 27657.—29th April, 1910.—WILLIAM JOHN NUTTALL, of Marton, New Zealand, Plumber. Improvements in or relating to counterbalancing window-sashes.*

Extract from Specification.—The means devised for this purpose consist in the use of a metal sleeve of the well-known type, through which the end of the cord to be attached to the lower sash is passed, and in which it is fastened by means of a screw or screws passing transversely through the sleeve. In this invention the sleeve is screw-threaded on its outer face and a nut is screwed on to its lower end. Attached to the upper face of the lower sash is a metal stirrup having its upper end extending transversely above the surface of the sash. The threaded sleeve is passed down through a hole in this end, and the nut is then screwed on to the lower end of the sleeve and thus engages beneath the stirrup. The degree of tension on the cord may thus be regulated by screwing the nut up or down.

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

(Specification, 3s.)

No. 27687.—5th May, 1910.—THOMAS STANLEY PHILPOTT, of 27 Somerset Avenue, Wellington, New Zealand, Saddler, and FREDRICK BEAGLEY, of 66 Hamilton Road, Kilmirnie, New Zealand, Bricklayer. Frame to be used in the construction of buildings in reinforced concrete.*

Claims.—(1.) In building-construction, the frame forming a mould for concrete, consisting of the studs connected together as described, and the mould-boards between the studs, substantially as specified and illustrated.

[NOTE.—Here follow four other claims.]

(Specification, 2s. 9d.)

No. 28068.—12th July, 1910.—RICHARD DIGGLE HAWORTH, of Wellington, New Zealand, Business-manager, and CHARLES DANIEL GREY, of Avondale, Auckland, New Zealand, Merchant. An inside lining for packing and other cases.*

Claims.—(1.) In an inside lining for packing and other cases of the character described, the shaping the lining with four sides, said sides being strengthened at the corners by strip-pieces, tops and bottoms of three of said sides being inwardly projected at right angles, flaps forming part of one of said sides projected to form top and bottom of said lining, and having the three ends turned inwards and bent back towards the edge of said top and bottom, providing thereby grooves or recesses, said lining being constructed in the manner and for the purpose set forth, as described and illustrated.

[NOTE.—Here follow three other claims.]

(Specification, 5s. 9d.)

No. 28087.—15th July, 1910.—ERNEST ALFRED WILDERSPIN, of 16 Belgrave Road, Wanstead, London, England, Manufacturer. Improvements in and relating to brazing cast iron and other metals.

Claims.—(1.) A process of brazing cast iron and other metals consisting in the employment of a flux formed of two parts of borax to three of boracic acid, substantially as described. (2.) A process of brazing cast iron and other metals consisting in dusting the surfaces to be jointed with wrought iron in fine powder, then applying the flux, consisting of a mixture of borax and boracic acid in the proportions specified, and afterwards applying the spelter, substantially as described.

(Specification, 1s. 3d.)

No. 28128.—19th July, 1910.—NOBEL'S EXPLOSIVES COMPANY, LIMITED, of Glasgow, Scotland, Explosives and Chemical Manufacturers, and WILLIAM TUXFORD EVANS, Glasgow, Scotland, Engineer. Improvements in electric igniting apparatus for fuzes and the like.

Claims.—(1.) An electric igniting apparatus for firing fuzes, &c., of the kind arranged to be actuated by a screw-threaded spindle engaging a nut, said apparatus constructed with the spindle passing axially through the armature.

[NOTE.—Here follow eight other claims.]

(Specification, 6s. 3d.)

No. 28322.—24th August, 1910.—ALFRED ERNEST BRADLEY and HAROLD GLADSTONE BRADLEY, both of Christchurch, New Zealand, Artists in Stained Glass. Displaying designs for stained-glass windows and the like.

Claim.—(1.) Means for displaying designs for stained-glass leaded windows and the like, consisting of a sheet of transparent material, an opaque margin of the shape of the window, and a backing secured to the transparent material having an opening of the shape and relative proportions of the window, substantially as set forth and illustrated.

(Specification, 1s. 3d.)

No. 28606.—15th October, 1910.—DONALD HENRY FIAN, of Ravensbourne, near Dunedin, New Zealand, Jeweller. An improved method of cleaning and keeping clean tanks or reservoirs for holding water.*

Claims.—(1.) In combination, a tank or reservoir A; an overflow-pipe B, B1, and B2 fixed in the bottom or floor thereof at B1 with the outflow end bent up to the level at which it is desired the overflow shall discharge at B2; a downpipe C to carry away the overflow of water, mud, silt, &c.

[NOTE.—Here follows one other claim.]

(Specification, 3s. 9d.)

No. 28650.—31st October, 1910.—ANTON HENDRICK HANSEN, of Manaia, Taranaki, New Zealand, Meat-preserver. An improved pasteurization of liquids.*

Claims.—(1.) Apparatus for the purpose indicated, consisting of the parts constructed, arranged, combined, and operating substantially as specified and illustrated. (2.) In apparatus for the purpose indicated, the employment of lengths of steampipe projecting into the coils of the milk-pipe, as and for the purpose specified, and illustrated in the drawing. (3.) Apparatus for the purpose indicated, comprising, in combination, the coil through which the liquid to be pasteurized flows, and the steampipe having lengths of pipe projecting into the said coil, substantially as specified, and illustrated in the drawing.

(Specification, 1s. 6d.)

No. 28735.—15th November, 1910.—JOHN HINES, of Sedlescombe Lodge, Sedlescombe Road, St. Leonards on Sea, Sussex, England, Engineer. Improvements in apparatus for heating, drying, and otherwise treating stone and other materials for use on roads and like surfaces.

Extract from Specification.—I employ a suitable shell on a wheeled frame with suitable heating provision, preferably a grate supported at the underpart of the shell, and means for charging and discharging the material. In the shell I arrange a series of shelves which are pivotal or are built up of a series of plates each of which is pivotal—the latter is the preferred form—and each plate of each shelf I may pivot by means of trunnions at the end carried into bearings in the end plates of the shell. By continuing the trunnions at one end through the shell and providing them with suitable operating-gear I may operate the plates of each shelf simultaneously. Preferably below the tilting-plates I arrange a fixed shelf which is above the grate, and forms a final hot plate from which the material may be withdrawn by scraping or otherwise. Such a shelf may be removable if desired so as to bodily remove the material. In one position the pivotal plates are horizontal, and form shelves for receiving the stone, &c., with small spaces forming heat-passages, and when operated the plates of each shelf may be simultaneously turned to an inclined or nearly vertical position, thus discharging any material resting on them through the spaces between them and on to the next shelf, or on to the final heating-shelves.

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

(Specification, 11s. 3d.)

No. 28788.—25th November, 1910.—FRANCIS ARTHUR RICH, of Remuera, Engineer, and STANLEY JEFFREYS, of Devonport, Architect, both in the Provincial District of Auckland, New Zealand. Improved reinforced-concrete slabs for walls, floors, ceilings, and other purposes.

Extract from Specification.—The slabs are built by setting the wires, crossed as shown, in concrete, and leaving the ends projecting so that they may be turned to be engulfed in adjacent concrete.

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

(Specification, 4s. 6d.)

No. 28876.—15th December, 1910.—ANTON HENDRICK HANSEN, of Manaia, New Zealand, Meat-preserver. Pasteurizing whey and heating liquids.*

Extract from Specification.—To accomplish this I use steam to heat the whey or other liquid to the necessary degree of heat, and in doing so I transfer or lift the whey or liquid from one tank to another through a pipe, and it is heated during the passage between the tanks—first by passing through an ordinary steam-ejector, which lifts it from one tank to another, and imparts an amount of heat to it. Immediately it is past the ejector small steam-jets are introduced into the pipe in sufficient numbers to raise the whey or liquid to the desired heat.

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

(Specification, 2s. 6d.)

No. 28928.—24th December, 1910.—GOOD INVENTIONS COMPANY, of Brooklyn, New York, United States of America, a Corporation (assignees of John Good, deceased, late of Brooklyn, U.S.A.). Combing-machine.

Claims.—(1.) A combing-machine suitable for operation on raw hemp or like fibre, having means for forming a plurality of laps out of bunches of fibre, and operating to feed such laps, in combination with an organization of moving combing-pins adapted for operation simultaneously on each of said laps, and a sliver-delivery head co-operating with said combing-pins to produce a composite sliver from said plurality of laps. (2.) A combing-machine of the kind described, comprising, in combination, fibre-receiving means adapted for forming a plurality of laps of the fibre, feeding-pins adapted to engage and feed said laps, an organization of combing-pins operating simultaneously on each of said laps and adapted to draw the fibres thereof from their engagement with said feeding-pins, and a sliver-delivery head producing a single sliver from the said plurality of laps. (3.) A combing-machine of the kind described, comprising an organization of moving combing-pins adapted for simultaneous operation on a plurality of continuous fibre-laps, in combination with feeding-means co-ordinated with said moving combing-pins to feed such laps in floating position on the points of said combing-pins, and a sliver-delivery head producing a single sliver from said plurality of laps.

[NOTE.—Here follow twenty-six other claims.]

(Specification, £1 10s.)

No. 28954.—6th January, 1911.—GEORGE THOMAS CAVILL, of 46 Dawson Street, Surry Hills, Sydney, New South Wales, Australia, Electrician. Improvements in change-speed spur and clutch gearing.

Extract from Specification.—According to my invention an intermediate coupler-shaft geared or otherwise connected to the driven element carries upon it a tubular shaft or two or more tubular shafts, each of which tubular shafts has keyed upon it a gear-wheel which engages another gear-wheel through which movement is transmitted to the driven element. This coupler-shaft has keyed or formed upon it a cylindrical collar. Each of the tubular shafts is similarly formed with, or has keyed upon it, a cylindrical collar of the same dimensions as the coupler-shaft collar. Each of these several collars is separately engageable by a one-way automatic clutch of the free-wheel type, rotated by means of another tubular shaft (coaxial with the coupler-shaft) which is direct-connected to the driving-shaft, or is formed as a tubular extension of the driving-shaft. The clutch may be slid over the collars longitudinally when its grip has been released in the manner hereinafter to be described, and may be re-engaged at will with any one of said collars and caused to transmit thereto the rotational movement of the driving-shaft. That one of the collars to which the clutch is for the time being so engaged, together with the shaft and gear-wheel to which such collar belongs, are thus rotated at engine speed, the other shafts and their accessory parts running free.

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

(Specification, £1 4s.)

No. 28999.—17th January, 1911.—BRAMAH JOSEPH DIPLOCK, of Wheatsheaf Wharf, Crabtree Lane, Fulham, Middlesex, England, Engineer. Improvements in road-vehicles.

Claims.—(1.) Means for causing the carriers to move in a vertical plane parallel to themselves when the feet are descending on to the ground, substantially as described.

[NOTE.—Here follow three other claims.]

(Specification, 4s. 3d.)

No. 29016.—19th January, 1911.—ARTHUR ALFRED PLANK, of Mount and Carcoar Streets, Blayney, New South Wales, Australia, Mechanical Engineer. Improvements relating to tires.

Extract from Specification.—It consists of either one or more continuous and partially overlapping spring steel coils, made circular, and having the meeting-ends joined together to form a hoop or ring, which may be sprung into position in the grooved rim, and when in place will have each circle of the coil at the inner circumferential seating part in close contact with their proximate circlelets, thereby preventing (only at that part) any extending movement of the hoop or ring.

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

(Specification, 8s. 9d.)

No. 29019.—19th January, 1911.—FRANK BRADFORD, of 625 Phelan Building, San Francisco, United States of America, Capitalist (assignee of Herbert Nosworthy Roche, of 1203 Buchanan Street, San Francisco aforesaid, Dentist). Electric water-heater.

Claims.—(1.) In a water-heater, the combination of a water-heating chamber having an inlet and an outlet, and electric-heating unit in the chamber, a rotary snap-switch in circuit with the unit, a valve-controlling flow through the outlet, and means for automatically and simultaneously turning the switch when the valve is opened. (2.) In a water-heater, the combination of a water-heating chamber, inlet and discharge connections thereto, an electric heating-unit in the chamber, a rotatable snap-switch in circuit with the heating-unit, and means including a longitudinally movable member associated with the inlet-connection for controlling the water-flow and switch in unison, whereby the switch is turned off and on as the water is turned off and on. (3.) In a water-heater, the combination of a receiver, inlet and discharge connections thereto, a plurality of parallel insulated heating-tubes, a casing within which said tubes are enclosed, high-resistance coils in conjunction with the tubes and within the casing, means for supplying water to the tubes, means to transmit an electric current through the heating-coils, a snap-switch adapted to complete the electric circuit, and means operative in conjunction with the water-supply means whereby the switch is closed when water is admitted to the heater, and opened when the water-supply means is closed, by intermittent rotation of said switch in one direction.

[NOTE.—Here follow nine other claims.]

(Specification, 9s. 6d.)

No. 29025.—20th January, 1911.—LEVI PICKERING, of Ngakawau, Westport, New Zealand, Miner. An improved clip or grip for attaching trucks and the like to hauling-ropes.

Claims.—(1.) A clip or grip for the purpose indicated, comprising a clip in two parts hinged together and adapted to grip a hauling-rope, a shield adapted to fit over said clip to retain its grip upon the ropes, said shield being attached to the object to be hauled, substantially as set forth.

[NOTE.—Here follow three other claims.]

(Specification, 2s. 3d.)

No. 29033.—24th January, 1911.—WILLIAM ROBERT SYKES, of 26 Voltaire Road, Clapham, London S.W., England, Railway-signal and Telegraph Engineer; CHARLES JOSEPH COOKE, of "Coningsby," 72 Compton Road, Winchmore Hill, London N., England, Electrical Engineer; ARTHUR HENRY JOHNSON, of "Wanganui," Ashdown Road, Epsom, Surrey, England, Electrical Engineer; GEORGE HENRY SYKES, of 11 Lessar Avenue, Clapham, London S.W. aforesaid, Electrical Engineer; and MCKENZIE AND HOLLAND, LIMITED, of 58 Victoria Street, Westminster, London S.W. aforesaid, and Melbourne, Victoria, Australia, Railway-signal Engineers. Improvements in insulated rail-joints.

Claims.—(1.) In an insulated rail-joint having fish-plates each formed in two parts insulated from one another, and connected together to form one plate by bolts passing through arms extending transversely from said parts, an extension provided on each of said arms, said extensions being adapted to pass under and support the base of the rail, and, further, to allow of the employment of an additional bolt which passes through said extensions.

[NOTE.—Here follow four other claims.]

(Specification, 5s. 9d.)

No. 29035.—24th January, 1911.—HARRY NEFTALI CAHEN, of 7 Beaulieu Villas, Finsbury Park, London, England, Engineer. Improvements in means for attaching bows, buckles, and the like to shoes.

Extract from Specification.—I form the hooks or the eyes which are attached to the shoe-upper upon a piece of metal or the like, which is designed to be sewn or riveted to the shoe-upper, and which is formed in two parts hinged together at the middle.

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

(Specification, 3s.)

No. 29071.—1st February, 1911.—THOMAS EDWARDS, of Webster Street, Ballarat, Victoria, Australia, Metallurgist. Improvements in means for and mode of filtering and otherwise treating metalliferous material.

Claims.—(1.) An agitation-vat for metalliferous material having side and bottom filtering-screens forming parts of super-imposed chambers for receiving filtered liquor, and means for producing suction through one or more of said chambers, as indicated. (2.) In an agitation-vat for metalliferous material, a chamber situated in part below a filter-screen on the vat-bottom and in part behind a filter-screen extending up the vat-side, and means to draw filtered liquor into and through the said chamber by suction.

[NOTE.—Here follow eight other claims.]

(Specification, 8s.)

No. 29073.—1st February, 1911.—THOMAS FRANCIS BROADFIELD, of Grong Grong, New South Wales, Australia, Farmer. Improvements in toothed wheel masks and attachments.

Extract from Specification.—I provide a mask or shell which has as its foundation the worn-out or old pinion or toothed wheel, or an unworn one, the rigidity of said foundation being utilized, and the mask or shell being so applied as to be removable readily so that a new one may take its place when required.

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

(Specification, 10s.)

No. 29077.—1st February, 1911.—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 George Bryant and William Underwood, both of Leicester, England, Engineers). Improvements in or relating to machines for inserting fastenings.

Extract from Specification.—In the preferred embodiment of the invention herein illustrated, the stationary part 4 has formed upon it the side wall 8 and the back wall 10 of the nail-guiding opening, and the movable part has formed upon it the other side wall 12 and the front wall 14. The front of the movable part 6 has a lateral projection 16 which fits between forward projections 18 and 20 upon the stationary part 4. The side of the movable part extends bodily into a recess 22 in the stationary part 4, and is provided with an extension 24, which is guided in a guide-opening 26 extending along the side of the stationary part 4. At the rear end of the extension 24 is an offset portion 28, which overhangs the rear end of the part 4, and abuts against a spiral spring 30 socketed in the part 4 and surrounding a pin 32 in the overhanging part 28. The extension 24 has formed in it a slot 34, through which passes a screw 36 screwed into the part 4, a leaf spring 38 being confined under the head of said screw, and serving to press the extension 24 against the part 4.

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

(Specification, 8s. 3d.)

No. 29085.—30th January, 1911.—GAVIN STRUTHERS, Tailor, and JAMES BROWN, Farmer, both of Christchurch, New Zealand (nominees of William McMillan, of Larkhall, Scotland). Improvements in and connected with washing-machines.

Claims.—(1.) In washing-machines, the combination with a semicircular or like shaped tub of an oscillating spar-bottomed curved cradle or rubber and a flexible spared band carried on rollers, by which its position is adjusted by means of a ratchet wheel and pawl, substantially as described, and illustrated by the drawings. (2.) Washing-machines constructed and arranged substantially as described, and illustrated by the drawings.

(Specification, 2s. 9d.)

No. 29107.—14th February, 1910.—THOMAS BARRETT, of 179 Jones Street, Ultimo, near Sydney, New South Wales, Australia, Blacksmith. Improved horse-shoe shaping and forming machine.

Extract from Specification.—A heated metal bar of requisite width, thickness, and length is fed to a table where blanks of the required length are cut therefrom, and bent to form the heel-calks thereon, and then bent or shaped to the usual horse-shoe or U shape. The blanks are then automatically transferred to a travelling die or anvil block, and carried between a resistance or supporting wheel and a forming-wheel, where the forming of the nail-channel and the inside dishing takes place, and they are then discharged from the machine by an ejector operating in the forming-die.

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

(Specification, 11s. 3d.)

No. 29110.—9th February, 1911.—SAMUEL THOMAS ASHTON, of Castlecliff, near Wanganui, New Zealand, Settler. An improved tip-trolley.

Claims.—(1.) The improved tip-trolley as described, comprising a truck, a carriage pivoted centrally upon said truck and adapted to rotate to any position, and a body pivoted at its centre at or near the front end of the said carriage to enable the said body to be tipped, substantially as set forth. (2.) The improved tip-trolley as described, the parts combined, constructed, and arranged substantially as specified, and illustrated in the drawings.

(Specification, 2s. 3d.)

Copies of drawings may be obtained at the uniform price of 1s. each. In exceptional cases this price may be increased at the discretion of the Office.

An asterisk (*) denotes the complete specification of an invention for which a provisional specification has been already lodged. A dagger (†) denotes a prior date under the International and Intercolonial Arrangements.

NOTE.—The cost of copying the specification 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, 17th February, 1911.

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

- No. 28978.—L. Shaw, wool-scouring preparation.
- No. 28986.—C. Timms, advertisement-displaying. (T. E. B. Poole.)
- No. 29006.—G. C. McKellar, closet-flush.
- No. 29012.—R. H. Gulleford, boot-heel grip.
- No. 29013.—C. C. Odlin, A. Johnston, and T. D. Glover, closet-flush.
- No. 29029.—T. B. Jacobsen, aerial ship.
- No. 29030.—J. R. Howard, telephone system.
- No. 29037.—J. J. Keppel and S. A. Lyttle, flax-blade sorter.
- No. 29038.—N. C. Macpherson, bi-plane.
- No. 29039.—W. A. Rawson, bicycle dress-guard.
- No. 29040.—C. Christie, earth-excavator. (H. R. M. Whit-tell.)
- No. 29045.—J. Peters and T. Lindon, harness and connecting-means.
- No. 29053.—C. E. Thompson, jun., and W. F. Dane, fruit-case and filler.

No. 29054.—H. G. and G. V. Jones, extractor attachment to cask.

No. 29055.—E. Hayes, gate-hanger.

No. 29058.—J. Warburton, human-flight equipment.

No. 29062.—E. Moss, clamping spare rim to motor-car rim.

No. 29063.—S. Lawrence, aerial propeller.

No. 29065.—G. W. Wyman, piano footstool and pedal.

No. 29068.—F. E. Cooney, window-catch.

No. 29075.—United Shoe Machinery Company, grinding, &c., machine. (W. A. Reed and J. Foley.)

No. 29076.—United Shoe Machinery Company, boot and shoe operating-machine. (J. B. Hadaway and A. L. Russell.)

No. 29090.—J. Greenslade, threshing-machine.

[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 3rd to the 16th February, 1911, inclusive:—

No. 26278.—E. C. Austin, tire-inflating valve.

No. 26784.—J. C. Scott, curtain-pole suspender.

No. 26787.—A. Leaf, rendering lift-shafts draught-proof.

No. 26798.—F. Pratt, cooling-chamber.

No. 26823.—J. D. Kelly, L. P. Hughes, and A. H. Vile, shield, &c., for miniature target.

No. 26843.—T. Gare, reducing vulcanized rubber to powder.

No. 26844.—J. A. King, aeroplane.

No. 26848.—A. G. Jackson, step-by-step mechanism for electric clock. (F. Hope-Jones.)

No. 26853.—H. C. Coldman and C. F. Webb, mechanical player for musical instrument.

No. 26860.—J. Sutherland, scutcher-concave.

No. 26861.—A. J. Whiteside, flux-handling apparatus.

No. 26866.—R. Adams, door-closer and check.

No. 26867.—R. McGaffin, bench-loader.

No. 26868.—R. McGaffin, flax-mill drain-cleaner, &c.

No. 26986.—T. N. Fletcher, target.

No. 27011.—R. W. de Montalk, concrete and ferro-concrete building.

No. 27052.—Submarine Signal Company, sounder for submarine work. (E. C. Wood.)

No. 27079.—J. H. Morrison, sheep-shearing driving-gear.

No. 27108.—A. D. Wiseman, wheel-lock and clamp-fastener. (P. Dooney.)

No. 27201.—F. Casey, autogyral steam-engine.

No. 27213.—R. W. de Montalk, concrete and ferro-concrete structure.

No. 27260.—A. Dondey and J. C. Testro, high-pressure filter.

No. 27398.—W. R. Smyth, wire-strainer.

No. 27483.—F. Andrews, coating-composition for buildings.

No. 27492.—E. Nier and J. M. M. Ehmer, talking-machine.

No. 27598.—K. Wessel, flax-machine.

No. 27710.—F. Brown, venetian-blind head.

No. 28004.—F. G. Browne, hides, &c., treatment.

No. 28058.—H. S. Marks, chaffcutter feed-gear.

No. 28094.—E. B. Hardie, wire-netting clip-fastener.

No. 28260.—A. H. Hansen, boiler forced draught.

No. 28304.—H. Hooke, centrifugal separator.

No. 28407.—J. C. Smith, heating-apparatus.

No. 28433.—W. Perry and A. S. Jones, shaft-coupling.

No. 28576.—E. S. Baldwin, firearm. (C. H. A. F. L. Ross.)

No. 28581.—A. H. Korth, reinforced tar-mixture.

No. 28614.—T. M. Swinton, manger.

No. 28646.—C. G. McKellar, cycle-fittings.

No. 28666.—G. Gallop, closet seat and pan.

No. 28747.—M. I. M. Hanlon and W. Eland, saucepan.

Letters Patent on which Fees have been paid.

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

SECOND-TERM FEES.

NO. 22087.—F. H. Jackson, gate. 16th February.

No. 22408.—G. F. Hutchinson, vacuum pump. 7th February.

No. 22444.—L. T. Reichel, moisture-indicator. 10th February.

No. 22452.—Interlocking Steel Lathing Company, Limited, sheet-metal lathing. (T. W. Macintosh.) 9th February.

No. 22476.—G. E. Bunning, fence-dropper. (C. Cromwell.) 7th February.

No. 22507.—F. W. Suter and C. Wayman, safety-lamp, &c. 14th February.

No. 22517.—H. Pataud, wheel-rim. 7th February.

No. 22535.—W. H. Blackham, cow-milking vacuum apparatus. (W. J. Teese.) 9th February.

No. 22536.—W. H. Blackham, cow-milking apparatus. (W. J. Teese.) 9th February.

No. 22566.—Printing Machinery Company, Limited, stereotype-finishing machine. (W. E. Hughes—H. A. W. Wood.) 14th February.

No. 22567.—W. E. Hughes, stereotype-finishing machine. (The Printing Machinery Company, Limited—H. W. W. Wood.) 14th February.

No. 22569.—Linotype and Machinery, Limited, printing-machine. (T. R. G. Parker.) 14th February.

No. 22655.—J. B. Davies and H. Bell, nail-head-forming machine. 9th February.

No. 22852.—Monotype Machine (Colonial Patents) Syndicate, Limited, record-strip composing-machine. (J. S. Bancroft and M. C. Indahl.) 8th February.

No. 22853.—Monotype Machine (Colonial Patents) Syndicate, Limited, perforating-machine keyboard. (J. S. Bancroft.) 8th February.

THIRD-TERM FEES.

No. 17526.—Empire Machinery Company, glass-drawing apparatus. (W. H. Waters—Window Glass Machine Company—J. H. Lubbers.) 6th February.

No. 18720.—A. Glas, milk-powder. (G. Doellner.) 13th February.

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

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

NO. 22548.—Note of agreement entered on register between Bing, Harris, and Co., Limited, a company incorporated within the meaning of the Companies Act, 1908, and having its registered office in Dunedin, New Zealand, and J. M. and W. J. M. Craigie. Boot. (J. M. and W. J. M. Craigie.) 10th February, 1911.

Application for Letters Patent withdrawn.

THE following application for Letters Patent has been withdrawn:—

No. 28361.—C. A. Oldman, battery jar and porous pot. (Advertised in Supplement to *New Zealand Gazette*, No. 93, of the 20th October, 1910.)

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 4th to the 17th February, 1911, inclusive:—

No. 27522.—W. S. Pierce, explosive.

No. 27523.—E. Le Roy, sail, &c.

No. 27527.—C. Simonsen, waterproof coating.

No. 27528.—C. Simonsen, waterproof solution.

No. 27529.—C. Melville, gate-controller.

No. 27533.—F. C. Wheeler, fire-hose coupling.

No. 27534.—W. Milne, spoon-clip.

No. 27535.—L. S. Worms and T. Prescott, bottle-clip capsule.

No. 27536.—W. C. Haines, rotary engine.

No. 27544.—H. N. Bell, milk-treating apparatus.

No. 27545.—J. Brown, steel rubber stud.

No. 27547.—A. V. Graham, aerated water.

No. 27552.—C. A. Lees, A. H. C. Lees, and T. C. Field, rifle-muzzle-movement restriction.

No. 27555.—C. N. H. B. Williams, vessel driving-gear.

No. 27558.—C. J. H. Thomson and R. W. Hall, tea-measure.

No. 27559.—E. A. Jory, steam boiler.

No. 27561.—F. W. Vare, drink-habit cure.

No. 27562.—M. E. Stratford-Henniker, curtain-ring.

No. 27563.—W. A. Stephenson, admission of gas to explosive engine.

No. 27566.—G. G. Holmes, jun., regulating drawing off liquids.

No. 27569.—G. Honeywood, grain, &c., mixing machine.

No. 27571.—E. W. Ackland, electrical heating and cooking apparatus.

No. 27573.—S. Beattie, horse-cover.

No. 27577.—H. J. A. Pyke, walking-stick attachment.

No. 27579.—A. H. Wright, franking-machine die-protector.

No. 27580.—A. H. Wright, stamping-machine.

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 4th to the 17th February, 1911, inclusive:—

- No. 26863.—F. W. Okey and J. Rollo, vacuum-creating machine.
 No. 26871.—C. H. Mitchell, photographic-printing process.
 No. 26905.—C. Clegg, lifting-jack.
 No. 26907.—E. D. Rout, milk-cooler valve.
 No. 26912.—E. A. Earnshaw, float-message for ships.
 No. 26923.—F. A. W. Ansell, milking-bucket.

Applications for Letters Patent lapsed.

APPLICATIONS for Letters Patent lapsed, owing to Letters Patent not being sealed, from the 4th to the 17th February, 1911, inclusive:—

- No. 25853.—W. J. Love, bag for cement.
 No. 26352.—A. Lyell, apple-parer.
 No. 26354.—M. B. Peck, bag-filler.
 No. 26364.—A. W. Reid, teat-cup.
 No. 26372.—R. Cleaver and F. Hutton, wire-strainer.
 No. 26373.—F. Lough and W. J. F. Hayter, brick-manufacture.
 No. 26377.—G. Heffron, butter-cooler.
 No. 26387.—J. A. Lissington and B. Jeffrey, flushing-cistern.
 No. 26394.—C. E. McKenzie, acetylene-generator.
 No. 26403.—F. W. Ockerby, threshing-machine.
 No. 26419.—A. W. Reid, vacuum-producing apparatus.
 No. 26427.—W. Lyons, water-raising apparatus.
 No. 26430.—J. M. Collins, J. Low, and A. Burges, flax-washer.
 No. 26431.—H. Fisher, life-saving apparatus.

Letters Patent void.

LIST of Letters Patent void through non-payment of renewal fees, and through expiry of term of fourteen years, from the 4th to the 17th February, 1911, inclusive:—

THROUGH NON-PAYMENT OF SECOND-TERM FEES.

- No. 22024.—G. T. Wilson and H. Downs, fish-plate.
 No. 22028.—G. Farquhar and R. North, sealing metal receptacles.
 No. 22030.—B. Baron, tobacco-leaf press.
 No. 22031.—B. Baron, tobacco-cutter.
 No. 22035.—T. B. Lockley, carpenters' vice.
 No. 22041.—E. W. Thurlow, golf-ball.
 No. 22053.—Aktiebolaget separator centrifugal machine. (A. J. Ericsson.)
 No. 22055.—J. I. Moss, window-fastener.
 No. 22056.—A. Doxey, wool-moisture tester.
 No. 22057.—H. J. Marks, buffer-coupling.
 No. 22062.—E. Burt, ore, &c., filter.
 No. 22063.—G. Brennan, bedstead.
 No. 22068.—A. W. Chatfield, teeth-replanting.
 No. 22069.—P. Morice, tide-motor.
 No. 22074.—F. L. Davis, sash windows.
 No. 22077.—T. Read, rubber-heel protector.
 No. 23706.—E. H. Lawton, advertising-device.

THROUGH NON-PAYMENT OF THIRD-TERM FEES.

- No. 17217.—A. M. Bauckham, window-sash lock.
 No. 17230.—W. S. Rice, truss.
 No. 17240.—E. W. Lancaster, bath.

THROUGH EXPIRY OF TERM.

Nil.

Design registered.

A DESIGN has been registered in the following name on the date mentioned:—

- No. 547.—J. J. C. Quane, Blenheim, N.Z., commercial traveller. Class 1. 4th February, 1911.

Applications for Trade Marks filed.

LIST of applications for registration of Trade Marks filed from the 4th to the 17th February, 1911, inclusive:—

- No. 9363.—4th February, 1911.—C. J. Badham, Dunedin, N.Z. Class 50.
 No. 9364.—6th February, 1911.—G. B. Borsalino fu Lazzaro & C., Alessandria, Italy. Class 38.
 No. 9365.—6th February, 1911.—P. Harrington, Auckland, N.Z. Class 42.
 No. 9366.—7th February, 1911.—McIntyre Bros. Proprietary, Limited, Melbourne, Vic. Class 42.
 No. 9367.—7th February, 1911.—T. H. Hall and Co., Auckland, N.Z. Class 47.
 Nos. 9368 and 9369.—7th February, 1911.—W. G. Dudfield, Melbourne, Vic. Classes 35 and 38.
 No. 9370.—9th February, 1911.—F. M. King and Co. Auckland, N.Z. Class 38.
 No. 9371.—9th February, 1911.—F. Hullen, Wellington, N.Z. Class 48.
 No. 9372.—10th February, 1911.—A. E. Kernot, Wellington, N.Z. Class 43.
 No. 9373.—10th February, 1911.—Wellington Woollen-manufacturing Company, Limited, Wellington, N.Z. Class 38.
 No. 9374.—13th February 1911.—"Sarotti" Chokoladen- & Cacao-Industrie, Aktiengesellschaft, Berlin, Ger. Class 42.
 No. 9375.—14th February 1911.—J. E. Pickles and Co., Bradford, Eng., trading also as "J. Pickles and Son," Sydney and elsewhere, Aust., and Wellington and elsewhere, N.Z. Class 34.
 No. 9376.—15th February, 1911.—H. Berry and Co., Christchurch, N.Z. Class 5.
 No. 9377.—15th February, 1911.—J. B. Gilberd and Sons, Limited, Wanganui, N.Z. Class 47.
 Nos. 9378 and 9379.—15th February, 1911.—Aachener Stahlwarenfabrik Actiengesellschaft, Aachen, Ger. Classes 7 and 22.
 No. 9380.—15th February, 1911.—Ridgway Society, Sydney, N.S.W., and elsewhere. Class 3.
 No. 9381.—15th February, 1911.—Commonwealth Oil Corporation, Limited, Sydney, N.S.W. Class 47.
 No. 9382.—16th February, 1911.—C. A. Brown and Sons, Auckland, N.Z. Class 50.
 Nos. 9383 and 9384.—17th February, 1911.—Saxone Shoe Company, Limited, Kilmarnock, Scot. Class 38.
 Nos. 9385 and 9386.—17th February, 1911.—Société Générale des Eaux Minérales de Vittel, Vittel, France. Class 44.
 Nos. 9387, 9388, 9389, 9390, 9391.—17th February, 1911.—W. T. Henley's Telegraph Works Company, Limited, London, Eng. Classes 8, 25, 32, 39, 40.

Applications for Registration of Trade Marks.

Patent Office,
 Wellington, 17th February, 1911.

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: 8880.

Date: 15th July, 1910.

TRADE MARK.



The essential particular of this trade mark is the distinctive brand; and any right to the exclusive use of the letters "L. B. & Co." is disclaimed.

NAME.

LOCKE, BLACKETT, AND CO., LIMITED, of Gallowgate, Newcastle-on-Tyne, England, Lead-manufacturers.

No. of class: 1.

Description of goods: Ground white and red lead (*i.e.*, ground white lead and ground red lead), orange-lead, and litharge.

No. of application: 9250.
Date: 19th December, 1910.



The essential particular of this trade mark is the distinctive device; and any right to the exclusive use of the added matter including the letters "H.B." is disclaimed.

NAME.

HALLNSTEIN BROS., LIMITED, of Dunedin and elsewhere in the Dominion of New Zealand.

No. of class: 38.

Description of goods: Clothing, boots, underwear shirts, hats, caps, ties, travelling requisites, and all wearing-apparel and outfitting articles usually sold by clothing, mercery, hosiery, boot, and outfitting suppliers.

No. of application: 9307.
Date: 14th January, 1911.

TRADE MARK.

The word

CROWNALL.

NAME.

CROWN CLOTHING MANUFACTURING COMPANY, LIMITED, of 147 Cashel Street, Christchurch, in the Dominion of New Zealand.

No. of class: 38.

Description of goods: Articles of clothing, such as hats of all kinds, caps and bonnets, hosiery, gloves, boots and shoes, other ready-made clothing.

No. of application: 9316.
Date: 18th January, 1911.

TRADE MARK.

HOLOPHANE

NAME.

HOLOPHANE LIMITED, of 12 Carteret Street, Westminster, London, England, Manufacturers.

No. of class: 13.

Description of goods: Lamp-shades, reflectors, electric lamps, gas-burners, holders, and all other appliances for use in connection with artificial lighting included in this class.

B

No. of application: 9317.
Date: 18th January, 1911.

TRADE MARK.

HOLOPHANE

NAME.

HOLOPHANE LIMITED, of 12 Carteret Street, Westminster, London, England, Manufacturers.

No. of class: 15.

Description of goods: Reflectors, shades, and table-ware, and appliances for use in connection with artificial lighting included in this class.

No. of application: 9318.
Date: 18th January, 1911.

TRADE MARK.

HOLOPHANE

NAME.

HOLOPHANE LIMITED, of 12 Carteret Street, Westminster, London, England, Manufacturers.

No. of class: 16.

Description of goods: Reflectors, shades, and table-ware, and appliances for use in connection with artificial lighting included in this class.

No. of application: 9328.
Date: 19th January, 1911.

TRADE MARK.



The applicants claim that the said trade mark has been used by them in respect of the article mentioned since before the 1st day of January, 1890.

NAME.

BORSORFF AND Co., of Nos. 277-279 Flinders Lane, Melbourne, Victoria, in the Commonwealth of Australia, Warehousemen.

No. of class: 38.

Description of goods: Wearing-apparel, such as hosiery.

No. of application: 9345.

Date: 27th January, 1911.

TRADE MARK.

The word

ICEBERG.

NAME.

WILLIAM FISHER, of Hook, Waimate, in the Dominion of New Zealand, Farmer.

No. of class: 16.

Description of goods: Cooling-vessels included in this class.

No. of application: 9350.

Date: 1st February, 1911.

TRADE MARK.

The words

THE EL DORADO.

The essential particular of this trade mark is the following—the words "El Dorado"; and any right to the exclusive use of the added matter is disclaimed.

NAME.

E. M. DICKINSON, LIMITED, of Murray Works, Rockingham Street, Sheffield, England, Cutlery-manufacturers.

No. of class: 12.

Description of goods: Cutlery.

No. of application: 9351.

Date: 1st February, 1911.

TRADE MARK.

The word

VALDOS.

NAME.

ALBERT LEVY, trading as the "Ardath Tobacco Company," of 39 to 51 Worship Street, London E.C., England, Tobacco-manufacturer.

No. of class: 45.

Description of goods: Tobacco, cigars, and cigarettes.

No. of application: 9352.

Date: 1st February, 1911.

TRADE MARK.

The word

ADELPHI.

NAME.

THE ADELPHI POLISH COMPANY, LIMITED, of 115 Harwood Road, Walham Green, London S.W., England, Manufacturers.

No. of class: 50.

Description of goods: Polishing-preparation included in this class.

No. of application: 9354.

Date: 1st February, 1911.

TRADE MARK.

The word

PIONEER.

NAME.

THE AUSTRALIAN WOOD PIPE COMPANY, LIMITED, of Booth's Wharf, Balmain, in the State of New South Wales, Commonwealth of Australia, Manufacturers.

No. of class: 50.

Description of goods: Wood stave pipes and wooden couplings therefor.

No. of application: 9356.

Date: 1st February, 1911.

TRADE MARK.

The word

CRITERION.

NAME.

THE BIRMINGHAM PHOTOGRAPHIC COMPANY, LIMITED, of Criterion Works, Stechford, near Birmingham, England, Manufacturers.

No. of class: 15.

Description of goods: Photographic plates.

No. of application: 9357.

Date: 1st February, 1911.

TRADE MARK.

The word

CRITERION.

NAME.

THE BIRMINGHAM PHOTOGRAPHIC COMPANY, LIMITED, of Criterion Works, Stechford, near Birmingham, England, Manufacturers.

No. of class: 39.

Description of goods: Photographic papers and films.

No. of application: 9358.
Date: 2nd February, 1911.

The word

TRADE MARK.

WALONGA.

NAME.

P. J. DELACOUR, of Christchurch, in the Dominion of New Zealand, Boot and Shoe Manufacturer.

No. of class: 38.
Description of goods: Footwear generally.

No. of application: 9359.
Date: 2nd February, 1911.

TRADE MARK.



The essential particulars of this trade mark are the device and the words "Non Stress."

NAME.

THE BIRMINGHAM PHOTOGRAPHIC COMPANY, LIMITED, of Criterion Works, Stechford, near Birmingham, England, Manufacturers.

No. of class: 39.
Description of goods: Photographic papers.

No. of application: 9360.
Date: 2nd February, 1911.

The word

TRADE MARK.

BRAMPTON.

The essential particular of the trade mark is the word "Brampton."

Applicants claim that the said trade mark has been in use by them and their predecessors in business in respect of the articles mentioned since the year 1884.

NAME.

BRAMPTON BROS., LIMITED, of Oliver Street Works, Birmingham, in the County of Warwick, England, Manufacturers.

No. of class: 13.
Description of goods: Component parts of cycles and of motor vehicles; fittings for cycles and for motor vehicles; accessories for cycles and for motor vehicles—all the said goods being metal goods included in this class and sold separately (i.e., independently) of cycles complete or of motor vehicles complete; and driving-chains made of metal and included in this class.

No. of application: 9361.
Date: 2nd February, 1911.

The word

TRADE MARK.

BRAMPTON.

The essential particular of the trade mark is the word "Brampton."

Applicants claim that the said trade mark has been in use by them and their predecessors in business in respect of the articles mentioned since the year 1884.

NAME.

BRAMPTON BROS., LIMITED, of Oliver Street Works, Birmingham, in the County of Warwick, England, Manufacturers.

No. of class: 37.
Description of goods: Leather saddles for cycles and for motor cycles; leather tool-bags for cycles and for motor cycles.

No. of application: 9362.
Date: 2nd February, 1911.

The word

TRADE MARK.

AUROPHONE.

NAME.

TURNBULL AND JONES, LIMITED, of Cashel Street, Christchurch, in the Dominion of New Zealand, Electrical Engineers.

No. of class: 11.
Description of goods: An electrical instrument for aiding partially deaf persons to hear. On the principle of the telephone.

No. of application: 9363.
Date: 4th February, 1911.

The word

TRADE MARK.

ELECTROLITE.

The essential particular of this trade mark is the word or name "Electrolite."

NAME.

CHARLES JOHN BADHAM, of 655 Castle Street, Dunedin, in the Dominion of New Zealand, Manufacturer.

No. of class: 50.
Description of goods: Plate-polish.

No. of application : 9364.
Date : 6th February, 1911.



The essential particular of this trade mark is the fancy design as shown; and any right to the exclusive use of the words "Qualità fina," forming part of the design, is disclaimed.

NAME.

G. B. BORSALINO FU LAZZARO & C., of Alessandria, Italy, Hat-manufacturers.

No. of class : 38.
Description of goods : Men's soft and hard felt hats.

No. of application : 9366.
Date : 7th February, 1911.

The word

TRADE MARK.

GHOOM.

NAME.

McINTYRE BROS. PROPRIETARY, LIMITED, whose registered office is at No. 31 Queen Street, Melbourne, Victoria, Australia, Tea Merchants and Importers.

No. of class : 42.
Description of goods : Tea.

No. of application : 9367.
Date : 7th February, 1911.

The word

TRADE MARK.

ATLAS.

NAME.

T. H. HALL AND Co., of Auckland, in the Dominion of New Zealand, Import and Export Merchants, Insurance, Shipping, and Commission Agents.

No. of class : 47.
Description of goods : Common soaps, and all other lines in that class with the exception of candles.

No. of application : 9368.
Date : 7th February, 1911.

The word

TRADE MARK.

MEDICO.

NAME.

W. G. DUDFIELD, of 32 Canterbury Road, Middle Park, Melbourne, in the Commonwealth of Australia.

No. of class : 35.
Description of goods : Blankets.

No. of application : 9369.
Date : 7th February, 1911.

The word

TRADE MARK.

MEDICO.

NAME.

W. G. DUDFIELD, of 32 Canterbury Road, Middle Park, Melbourne, in the Commonwealth of Australia.

No. of class : 38.
Description of goods : Wearing-apparel.

No. of application : 9370.
Date : 9th February, 1911.

The word

TRADE MARK.

MURICAN.

The essential particular of this trade mark is the word "Murican."

NAME.

F. M. KING AND Co., of the City of Auckland, in the Dominion of New Zealand, Clothing-manufacturers.

No. of class : 38.
Description of goods : Articles of clothing, such as hats of all kinds, caps and bonnets, hosiery, gloves, boots and shoes, other ready-made clothing and costumes.

No. of application : 9371.
Date : 9th February, 1911.

The word

TRADE MARK.

RUSMA.

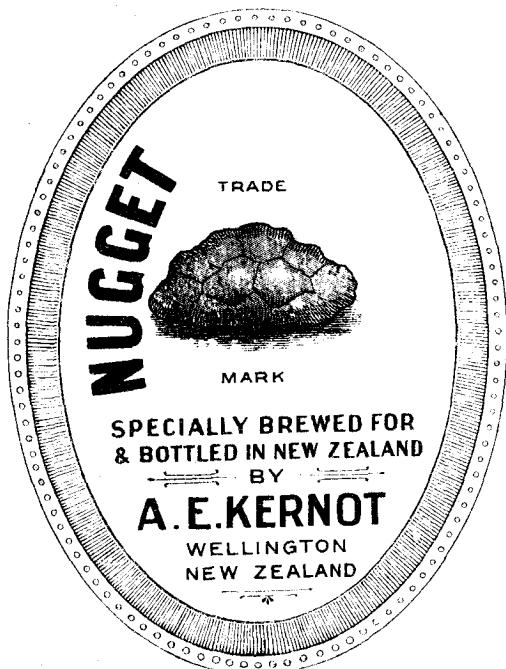
NAME.

FLORENCE HULLEN, Rooms over Cenci's, Milliners, Lambton Quay, Wellington, in the Dominion of New Zealand, Hair Specialist.

No. of class : 48.
Description of goods : Toilet preparation.

No. of application: 9372.
Date: 10th February, 1911.

TRADE MARK.



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

NAME.

ALFRED ERNEST KERNOT, of 111 Customhouse Quay, Wellington, in the Dominion of New Zealand.

No. of class: 43.
Description of goods: Ales and stouts.

No. of application: 9373.
Date: 10th February, 1911.

TRADE MARK.

The word

GIRTON.

The essential particular of this trade mark is the word "Girton."

NAME.

THE WELLINGTON WOOLLEN MANUFACTURING COMPANY, LIMITED, of Wellington, in the Dominion of New Zealand, Woollen-manufacturers.

No. of class: 38.
Description of goods: Ladies' costumes.

No. of application: 9375.
Date: 14th February, 1911.

TRADE MARK.

The word

ANCHOR.

NAME.

J. E. PICKLES AND Co., of Bradford, England, trading also as "Joseph Pickles and Son," of Sydney, and elsewhere in the Commonwealth of Australia; of Victoria Street, Wellington, and elsewhere in the Dominion of New Zealand; Warehousemen and Manufacturers.

No. of class: 34.
Description of goods: Serge.

No. of application: 9376.
Date: 15th February, 1911.

TRADE MARK.

The word

SALINITE.

The essential particular of this trade mark is the word "Salinite."

NAME.

HENRY BERRY AND Co., of 127 Lichfield Street, Christchurch, in the Dominion of New Zealand.

No. of class: 5.
Description of goods: All articles in this class.

No. of application: 9378.
Date: 15th February, 1911.

TRADE MARK.

FAFNIR

NAME.

AACHENER STAHLWAARENFABRIK ACTIEN-GESELLSCHAFT, of Aachen, Germany, Manufacturers.

No. of class: 7.
Description of goods: Agricultural and horticultural machinery and parts of such machinery.

No. of application: 9379.
Date: 15th February, 1911.

TRADE MARK.

FAFNIR

NAME.

AACHENER STAHLWAARENFABRIK ACTIEN-GESELLSCHAFT, of Aachen, Germany, Manufacturers.

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

No. of application : 9381.

Date : 15th February, 1911.

TRADE MARK.

The words

WATTLE BLOSSOM.

The essential particular of the trade mark is the following—the words "Wattle Blossom."

NAME.

COMMONWEALTH OIL CORPORATION, LIMITED, of Equitable Building, George Street, Sydney, in the State of New South Wales and Commonwealth of Australia.

No. of class : 47.

Description of goods : Illuminating-oils.

J. C. LEWIS,
Registrar.

Trade Marks registered.

LIST of Trade Marks registered from the 4th to the 17th February, 1911, inclusive :—

- No. 7258/9107.—H. F. Stevens. Class 3. (*Gazette* No. 104, of the 1st December, 1910.)
 No. 7259/8525.—E. W. Pidgeon and Co., Limited. Class 22. (*Gazette* No. 32, of the 7th April, 1910.)
 No. 7260/9135.—Garton, Hill, and Co. Class 42. (*Gazette* No. 104, of the 1st December, 1910.)
 No. 7261/9184.—J. C. Arthur. Class 39. (*Gazette* No. 104, of the 1st December, 1910.)
 No. 7262/9151.—E. E. Leaning. Class 38. (*Gazette* No. 104, of the 1st December, 1910.)
 Nos. 7263/8801, 7264/8802, 7265/8803, 7266/8804, 7267/8805, 7268/8806.—Rose, Hewitt, and Co. Class 24. (*Gazette* No. 69, of the 14th July, 1910.)
 No. 7269/9154.—Ellis and Manton. Class 47. (*Gazette* No. 104, of the 1st December, 1910.)
 No. 7270/8543.—Whittome, Stevenson, and Co., Limited. Class 42. (*Gazette* No. 18, of the 24th February, 1910.)
 No. 7271/8550.—R. Robertson and Co. Class 42. (*Gazette* No. 104, of the 1st December, 1910.)
 No. 7272/8834.—C. A. Edgerton Manufacturing Company. Class 38. (*Gazette* No. 104, of the 1st December, 1910.)
 No. 7273/9081.—Sandow Limited. Class 38. (*Gazette* No. 104, of the 1st December, 1910.)
 No. 7274/9082.—Paraffine Paint Company. Class 17. (*Gazette* No. 104, of the 1st December, 1910.)
 No. 7275/9087.—R. W. Cameron and Co. Class 47. (*Gazette* No. 104, of the 1st December, 1910.)
 Nos. 7276/9148 and 7277/9149.—Chipman Limited. Class 17. (*Gazette* No. 104, of the 1st December, 1910.)
 Nos. 7278/9165 and 7279/9166.—Rover Company, Limited. Classes 6 and 13. (*Gazette* No. 104, of the 1st December, 1910.)
 No. 7280/9169.—Carborundum Company. Class 50. (*Gazette* No. 104, of the 1st December, 1910.)
 No. 7281/9170.—E. C. Haleey. Class 42. (*Gazette* No. 104, of the 1st December, 1910.)
 No. 7282/9174.—Lea and Perrins. Class 42. (*Gazette* No. 104, of the 1st December, 1910.)
 Nos. 7283/9175 and 7284/9176.—Two Steeples, Limited. Class 38. (*Gazette* No. 104, of the 1st December, 1910.)
 Nos. 7285/8533, 7286/8534, and 7287/8535.—Field and Co., Fruit Merchants, Limited. Class 42. (*Gazette* No. 14, of the 10th February, 1910.)
 No. 7288/9136.—W. Bain. Class 47. (*Gazette* No. 104, of the 1st December, 1910.)
 No. 7289/9146.—Earlie, Scott, and Co. Class 38. (*Gazette* No. 104, of the 1st December, 1910.)
 No. 7290/9056.—Christie Bros. (T. and W.). Class 22. (*Gazette* No. 97, of the 3rd November, 1910.)
 No. 7291/8150.—B. Gundelfinger, K. Gundelfinger, B. Kaunheimer, and A. Gundelfinger. Class 42. (*Gazette* No. 78, of the 23rd September, 1909.)

- No. 7292/8544.—R. S. Black. Class 13. (*Gazette* No. 18, of the 24th February, 1910.)
 No. 7293/8750.—Tootal Broadhurst Lee Company, Limited. Class 25. (*Gazette* No. 83, of the 8th September, 1910.)
 Nos. 7294/8945 and 7295/8946.—W. Brass. Classes 3 and 48. (*Gazette* No. 80, of the 25th August, 1910.)
 Nos. 7296/9094 and 7299/9098.—Reckitts (Oversea), Limited. Classes 42 and 47. (*Gazette* No. 97, of the 3rd November, 1910.)
 No. 7297/9095.—Reckitts (Oversea), Limited. Class 47. (*Gazette* No. 104, of the 1st December, 1910.)
 No. 7298/9096.—Reckitts (Oversea), Limited. Class 50. (*Gazette* No. 100, of the 17th November, 1910.)
 No. 7300/8565.—J. C. Wilson. Class 1. (*Gazette* No. 32, of the 7th April, 1910.)
 No. 7301/9108.—H. F. Stevens. Class 42. (*Gazette* No. 108, of the 15th December, 1910.)
 No. 7302/9171.—A. K. Grubner. Class 42. (*Gazette* No. 108, of the 15th December, 1910.)
 Nos. 7303/8571, 7304/8572, 7305/8573, 7306/8574, 7307/8575.—Peerless Rubber Manufacturing Company. Classes 40, 50, 40, 50, 50. (*Gazette* No. 22, of the 10th March, 1910.)
 No. 7308/8929.—F. Henry. Class 3. (*Gazette* No. 90, of the 6th October, 1910.)
 Nos. 7309/8985 and 7310/8986.—E. A. White, Limited. Classes 2 and 13. (*Gazette* No. 86, of the 22nd September, 1910.)
 No. 7311/9241.—Balfour, Guthrie, and Co. Class 42. (*Gazette* No. 108, of the 15th December, 1910.)

Trade Mark Renewal Fees paid.

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

- Nos. 1855/1492 and 1857/1494.—25th November, 1910.—Bell's Asbestos Company, Limited, London, Eng. 15th February, 1911.
 Nos. 1899/1548 and 1900/1549.—4th February, 1911.—E. Reece and Sons, Christchurch, N.Z. 4th February, 1911.
 No. 1909/1517.—10th February, 1911.—Marshall's Chemical Company, Limited, Dunedin, N.Z. 10th February, 1911.

Trade Marks removed from the Register.

TRADE Marks removed from the Register owing to the non-payment of the renewal fee, from the 4th to the 17th February, 1911, inclusive :—

- No. 1841/1686.—4th November, 1896.—Andrews and Co., of Newman, N.Z. Class 42.
 No. 1844/1497.—4th November, 1896.—Jackson and Co., of Dunedin, N.Z. Class 45.
 No. 1846/1546.—5th November, 1896.—J. H. Clark, of Dunedin, N.Z. Class 38.
 No. 1847/1624.—6th November, 1896.—D. Penwarden, of Omatu, N.Z. Class 42.
 No. 1850/1473.—14th November, 1896.—G. Cedermann, of Aorere, N.Z. Class 42.
 No. 1851/1498.—14th November, 1896.—A. Billens, of Christchurch, N.Z. Class 7.

Application for Trade Mark withdrawn.

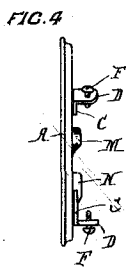
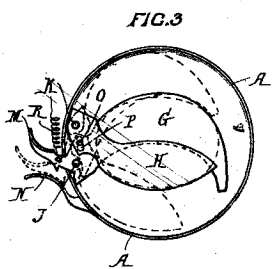
THE following application for Trade Mark has been withdrawn :—
 No. 8925.—A. E. Kernot. (Advertised in Supplement to *New Zealand Gazette*, No. 80, of the 25th August, 1910)

Alteration of Address of Proprietor of Trade Mark on Register.

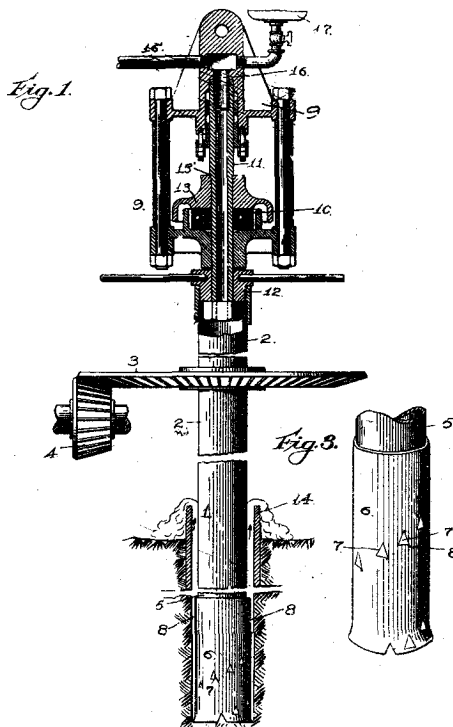
NO. 2806/2191.—Holophane Limited.—Address altered from "Wardrobe Chambers, 146A Queen Victoria Street, London E.C., England," to "12 Carteret Street, Westminster, London, England."

ILLUSTRATIONS OF INVENTIONS.

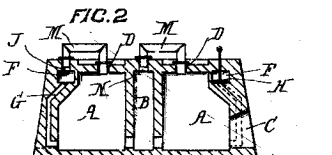
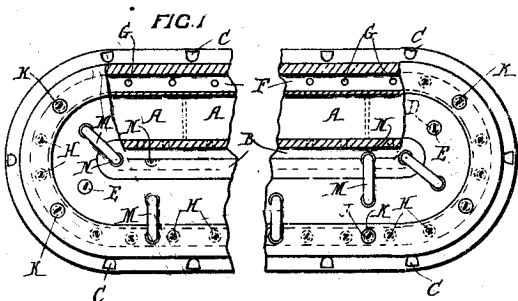
[These illustrations refer to the complete specifications accepted, and advertised in this *Gazette*.]



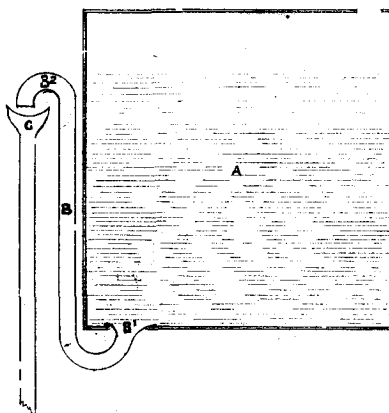
Signal-lamp. Waters. 27444.



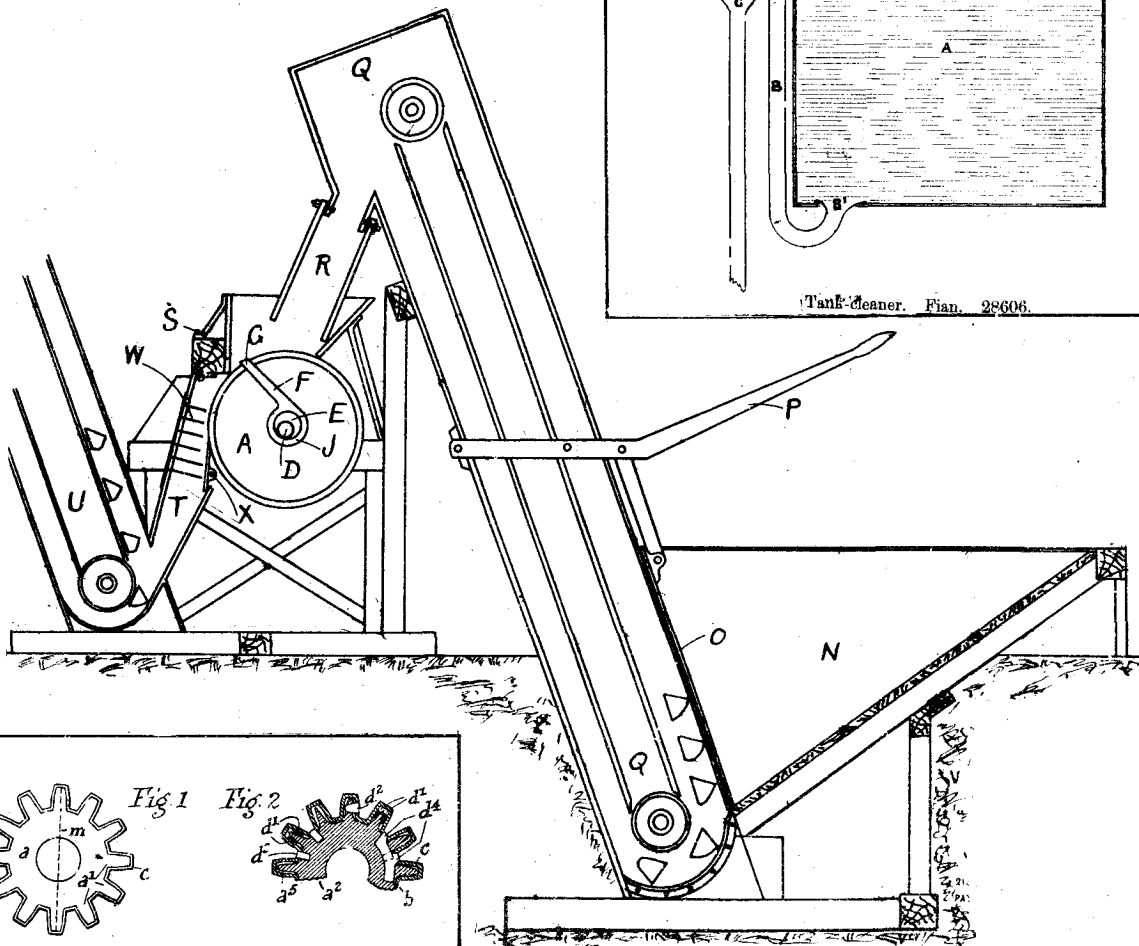
Rock-drill. S. and M. Drill Company. (Muhleisen.) 27478.



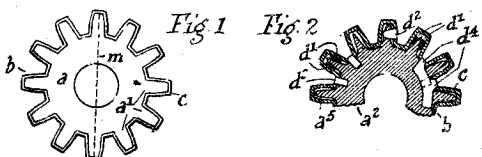
Brick-kiln. Ingram. 27643.



Tank-cleaner. Fian. 28606.



Pulverizer. Honeywood. 27570.



Toothed Wheel. Broadfield. 29073.

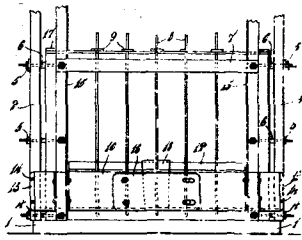


FIG. 1.

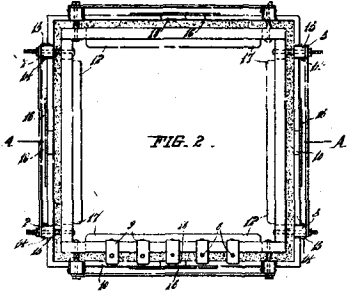


FIG. 2.

Reinforced-concrete Frame.
Philpott and Beagley. 27687.

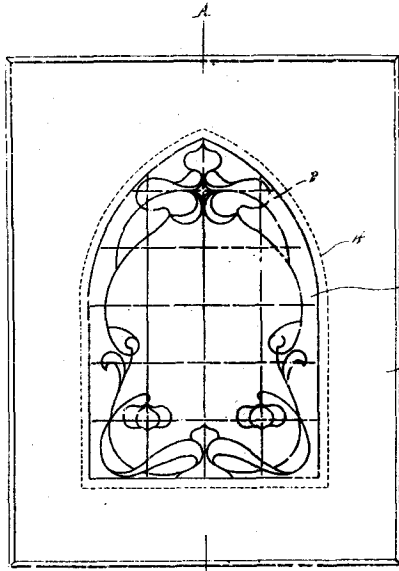


FIG. 1.

FIG. 2.

Displaying Stained-glass Designs.
A. E. and H. G. Bradley. 28622.

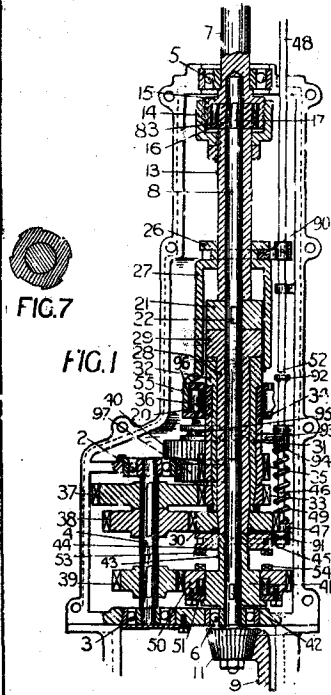
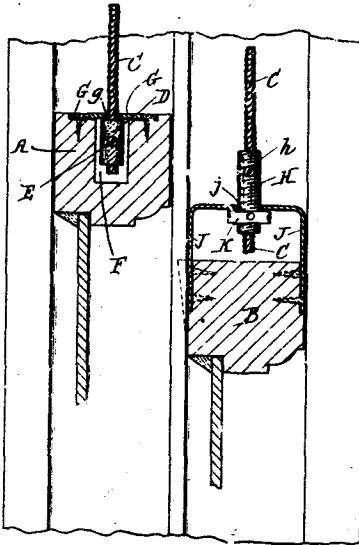
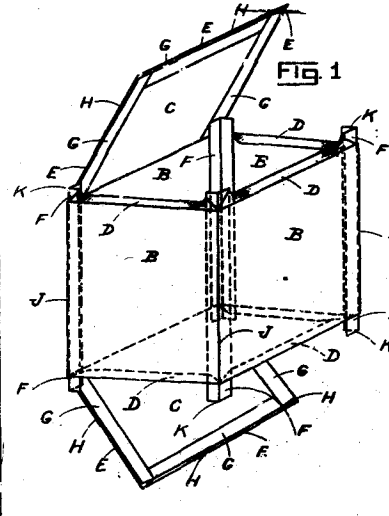


FIG. 1.

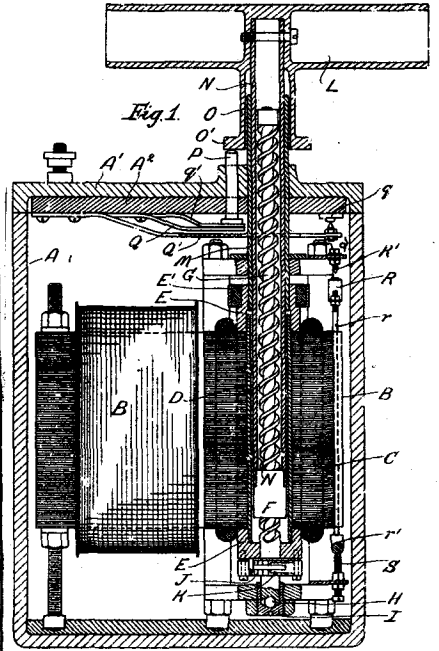
Speed-gear, Cavili. 28954.



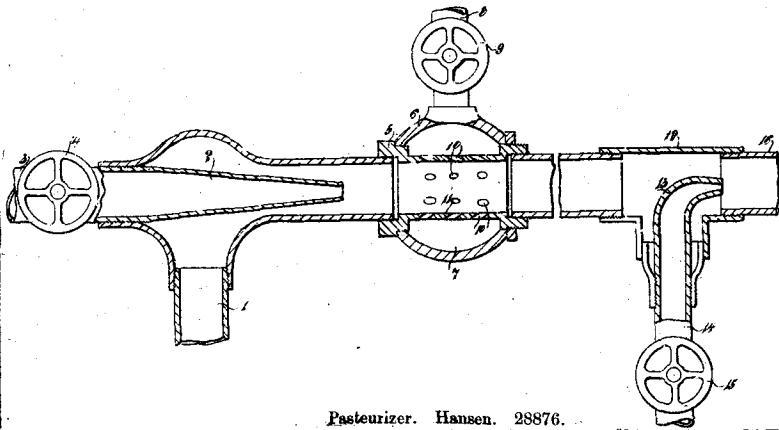
Window-sash Balance. Nuttall. 27657.



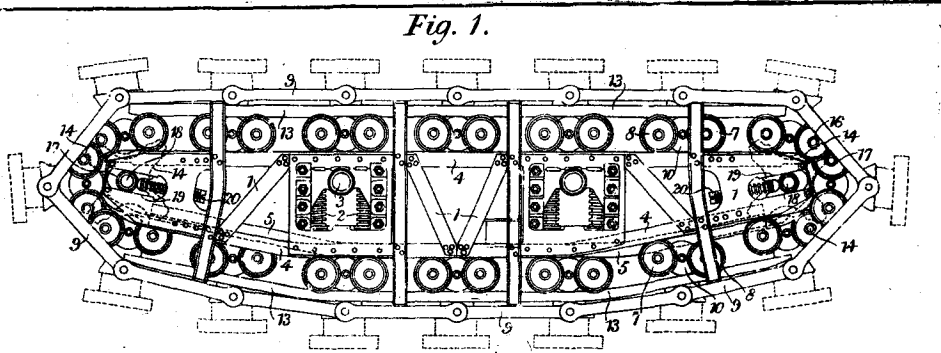
Packing-case Lining. Haworth and Grey 28068.



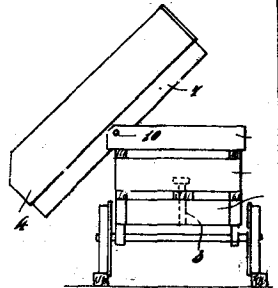
Fusé-igniter.
Nobel's Explosives Company (Limited) and Turford. 28128.



Pasteurizer. Hansen. 28876.



Vehicle. Diplock. 28990.



Tip-trolley. Ashton. 29110.

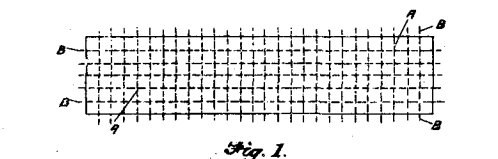


Fig. 1.

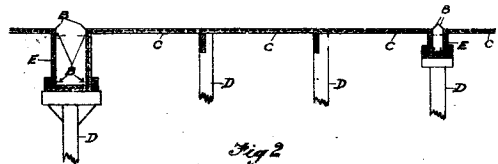


Fig. 2.

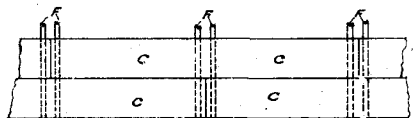
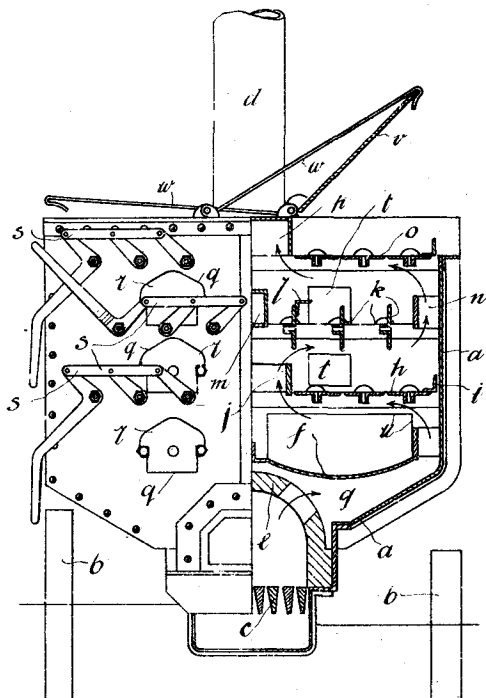


Fig. 3.

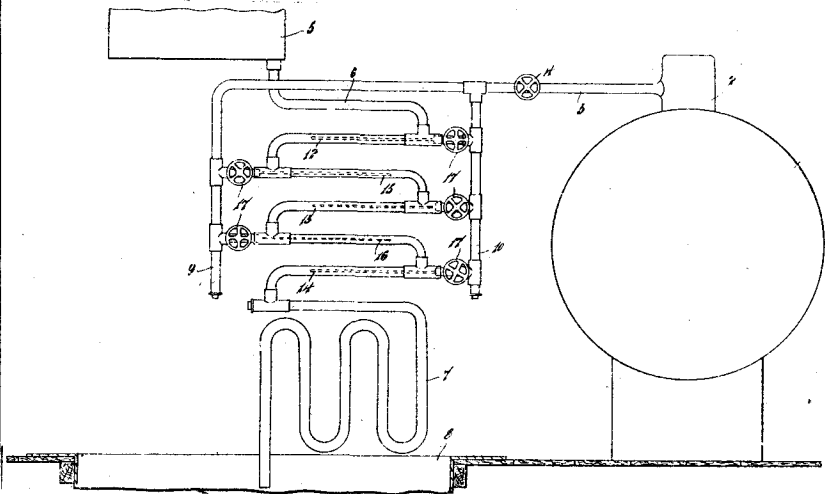


Fig. 4.

Reinforced-concrete Slab. Rich. 28788.



Stone Heater and Dryer. Hines. 28735.



Pasteurizer. Hansen. 28650.

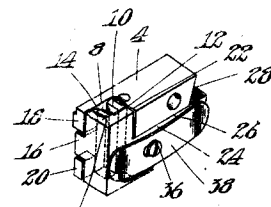
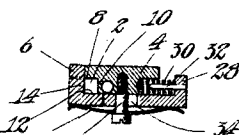
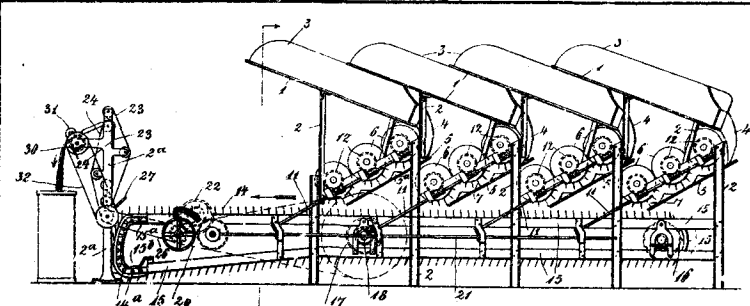


Fig. 1.



Boot-machine: Fastenings-inserter. United Shoe Machinery Company. (Bryant and Underwood.) 29077.



Fibre-combing Machine. Good Inventions Company (Good.) 28928.

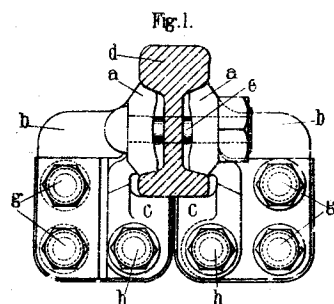


Fig. 1.

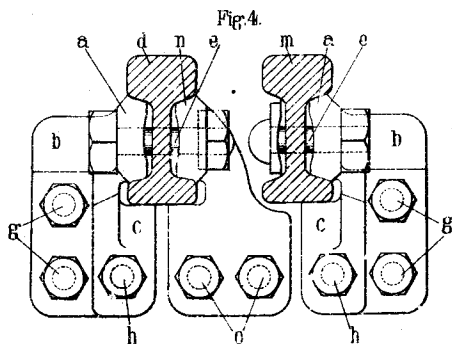


Fig. 4.

Rail-joint. Sykes, Cooke, Johnson, Sykes, and McKenzie and Holland (Limited). 29333.

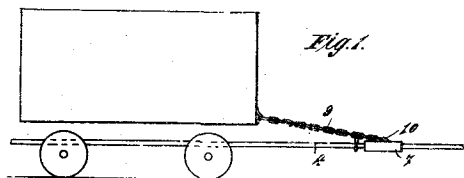


Fig. 1.

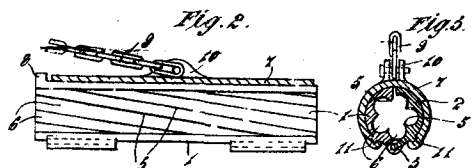
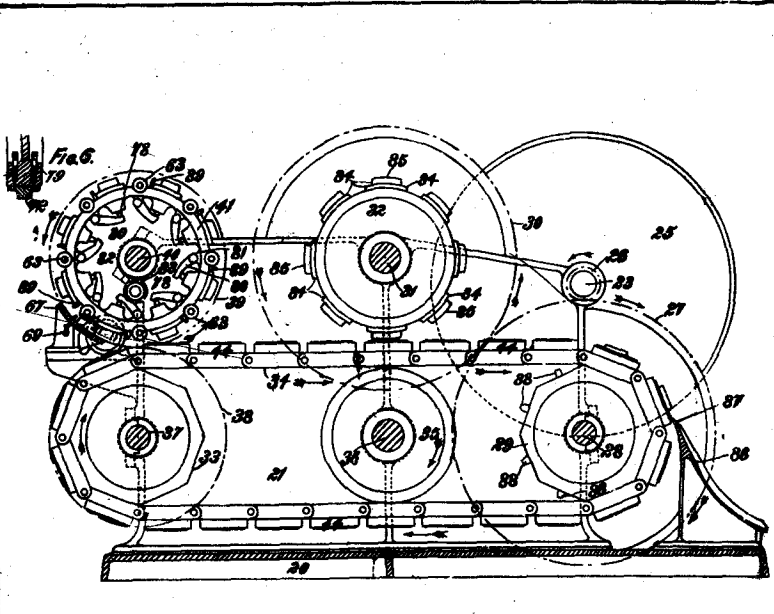


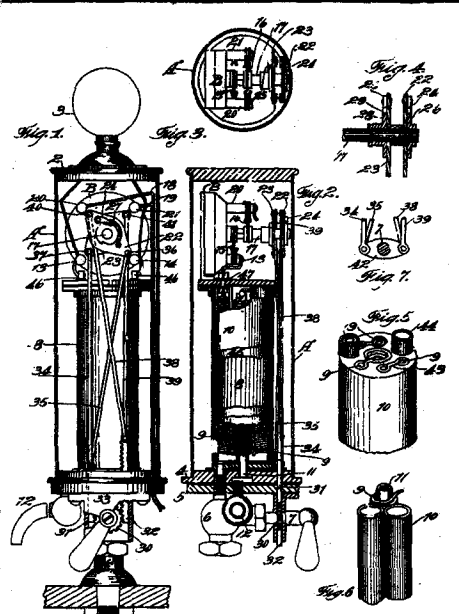
Fig. 2.

Fig. 3.

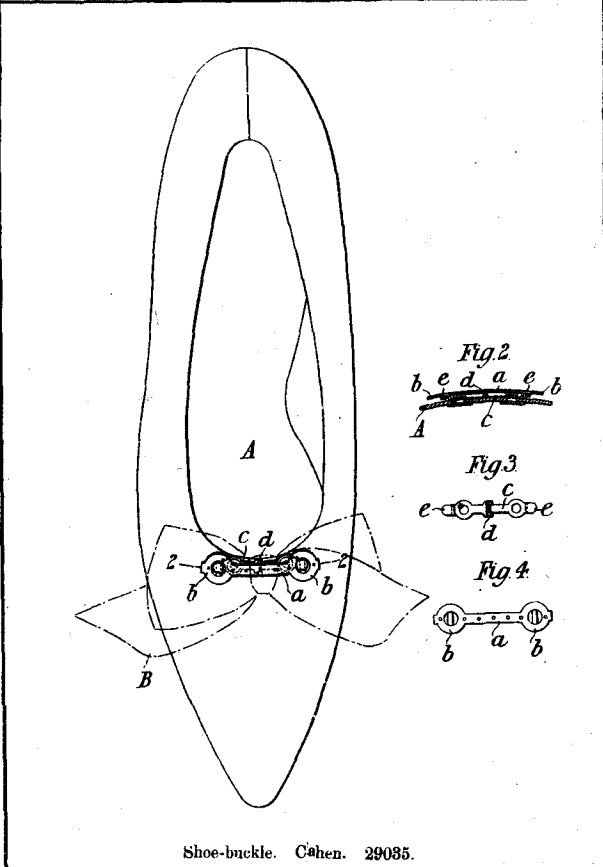
Rope-grip. Pickering. 29025.



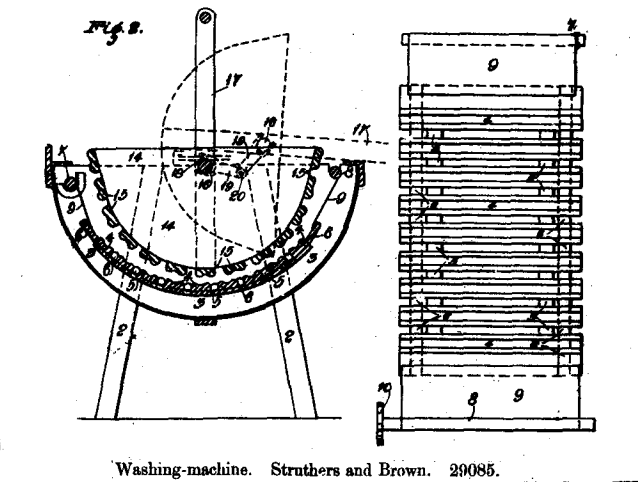
Horse-shoe Shaping, &c. Machine. Barrett. 29107



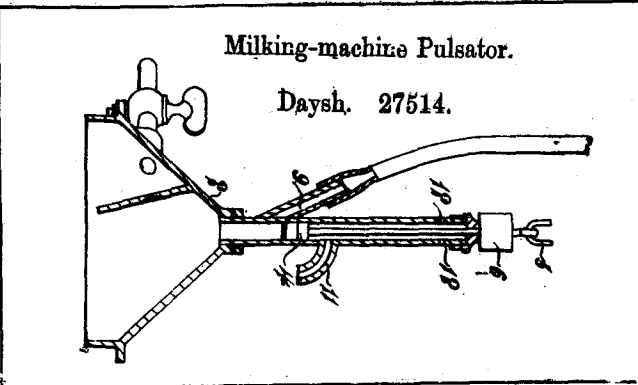
Water-heater, Electric. Bradford. (Roche.) 29019.



Shoe-buckle. Cohen. 29085.

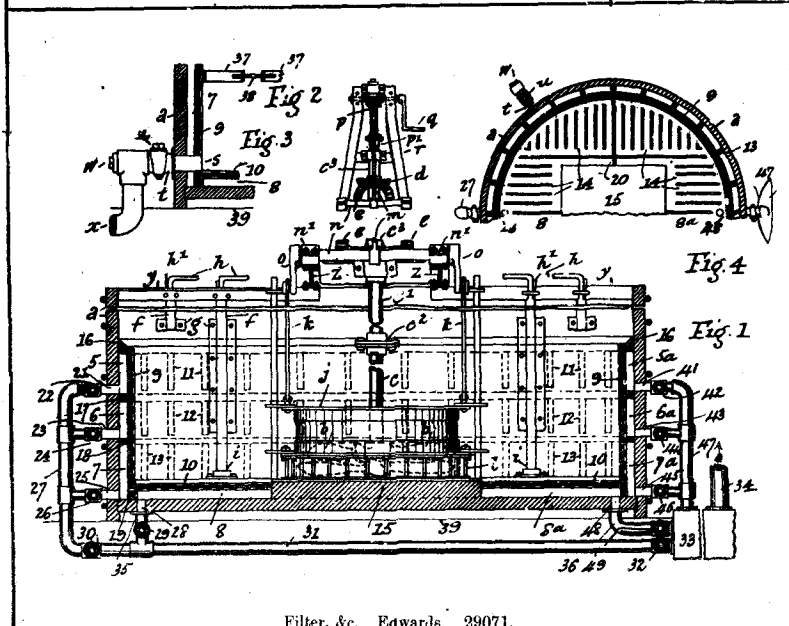


Washing-machine. Struthers and Brown. 29085.

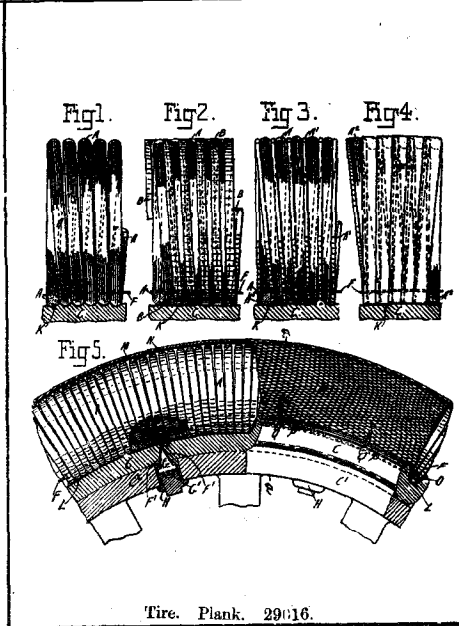


Milking-machine Pulsator.

Daysh. 27514.



Filter, &c. Edwards. 29071.



Tire. Plank. 29016.