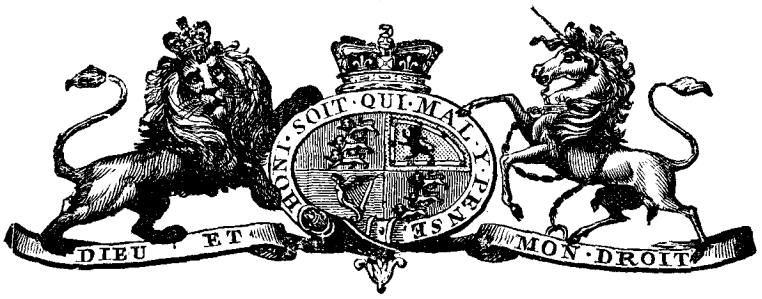


SUPPLEMENT

TO THE

NEW ZEALAND GAZETTE

OF

THURSDAY, NOVEMBER 24, 1904.

Published by Authority.

WELLINGTON, THURSDAY, NOVEMBER 24, 1904.

CONTENTS.

Official Notices.

LIBRARY.

THE library attached to the Patent Office is open free to the public during office hours. It contains, amongst others, the following publications:—

United Kingdom.

Specifications and drawings of inventions.*
Classified abridgment of inventions to 1900.
Illustrated Official Journal to October, 1904.
Trade Marks Journal to July, 1904.

Canada.

Patent Office Record (containing illustrated abridgments of inventions) to April, 1904.†

Australian Commonwealth.

The Official *Gazette*, containing lists of applications for letters patent, &c.

* These are sent out at short intervals, and are usually on the shelves of the office from three to six months after publication.
† These may be seen also at the public libraries, Auckland and Christchurch.

The *Gazettes* of the various States, containing lists of trade marks applied for, &c.

United States.

The Official *Gazette* (containing illustrated abridgments of inventions, &c.) to October, 1904.*

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 patents 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 1903 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. Courthouses.

FORMS.

Forms of application and specification for letters patent, with sheet of information concerning fees and procedure, are obtainable without payment at the Patent Office, any local patent office or money-order office.

PATENT AGENTS.

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

* May be seen also at the Public Library, Christchurch.

Notice of Acceptance of Complete Specifications.

Patent Office,
Wellington, 23rd November, 1904.

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. 17379. — 16th December, 1903. — WILLIAM JOSEPH SELLARS, of 14, Salisbury Street, Christchurch, Canterbury, New Zealand, Fitter. Improved apparatus for manufacturing skewers, spiles, and the like.*

Extract from Specification.—The wood to be converted into the skewers or spiles is passed between rollers and cut by circular saws into a plurality of rectangular strips, which pass along grooves or guides to a pair of feed-rollers, by which they are conducted to revolving tubes containing cutters, by which the wood is turned. The tubes are revolved by belts passing around pulleys upon the tubes and around a driving-pulley upon the main shaft of the machine, from which all the other revolving parts of the apparatus are driven. From the tubes the turned wood passes beneath other feed-rollers to conical revolving cutter-dies, by which the wood is pointed, and simultaneously circular saws are caused by eccentrics to rise and cut through the wood at the length required, the finished article falling into a receptacle placed for the purpose. The feed-rollers are driven by bevel gearing or the like, and the eccentrics are upon a spindle driven from the main shaft referred to.

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

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

No. 17446.—9th January, 1904.—THOMAS FIRTH, of 7, Martin Street, Wellington, New Zealand, Labourer. Combined vehicle-wheels lock and horse-stopper.*

Claims.—(1.) In a combined vehicle-wheels lock and horse-stopper, a cam such as 3 attached to a rocking-shaft and engaging with projections such as 4*a* on the hub of the wheel, substantially as described. (2.) In a combined vehicle-wheels lock and horse-stopper, in combination, a cam attached to a rocking-shaft connected to a lever, means for securing the lever, means for attaching the reins to the lever, and a ring attached to the hub, with projections for engaging the said cam, all substantially as described, and as illustrated in the drawings. (3.) In lever-operated horse-stops and rein-holders, a rack or guide such as 11, a spring shooting-bolt such as 10 for guiding and holding the lever, substantially as described, and illustrated. (4.) A combined vehicle-wheel lock and rein-holder, substantially as described, and as illustrated in the drawings.

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

No. 17480. — 20th January, 1904. — WILLIAM EDWARD SOUTHCOMBE RAMSAY, of Abberley Road, St. Albans, Canterbury, New Zealand, Builder, and SAMUEL MCMURRAY, of 371, South Belt, Christchurch, New Zealand, Merchant. An improved device for suspending pictures and the like.*

Claims.—(1.) A device for the purpose indicated, comprising a hook having a member extending upwardly and curved at the top to pass over the top of a picture-rail, a bracket formed integrally with the top of the member, and a wheel rotatably pivoted to the said bracket, substantially as set forth. (2.) A device for the purpose indicated, comprising a hook having a member extending upwardly and curved at the top to pass over the top of a picture-rail, a bracket formed integrally with the top of the member, a wheel rotatably pivoted to the said bracket, and a tongue formed integrally with the said member, substantially as set forth. (3.) The combination and arrangement of parts comprising the improved device for suspending pictures and the like, substantially as set forth, and illustrated on the drawings.

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

No. 17496.—25th January, 1904.—CHRISTOPHE SOULAS, of Jerusalem, Wanganui, Wellington, New Zealand, Priest. Improvements in and relating to telescopes.*

Extract from Specification. — This invention relates to telescopes used for making astronomical observations, and the object of the invention is to provide an instrument of greatly increased power and of light weight. I use the usual lens or lenses in the eye-piece and object ends of the instrument, but instead of connecting these ends by the usual tube, I dispense with the intermediate part of such tube and have short lengths only at each end. The object end is thus fixed upon a mounting independent of the eye-piece end. It is necessary in using my instrument that the two ends thereof should be co-axial, and I provide means for effecting this relationship, or, in other words, for causing the focus of the objective lens to fall on the eye-piece lens. For this purpose I mount a powerful lamp upon each end of the instrument and a small telescope having fine crossed lines upon its object-glass. The light from the lamps is either reflected by a lens or by a mirror in such a manner that the light can be seen through a small tube from the other end of the instrument. The ends of the instrument are brought into co-axial relationship by bringing the small telescopes to bear upon the light of the lamps shining through the small tubes.

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

(Specification, 5s. 3d.; drawing, 1s.)

No. 17629.—7th March, 1904.—JAMES BRAKE, of Durham Street, Christchurch, Canterbury, New Zealand, Livery-stable Proprietor. Improved means for attaching breeching-straps to the shafts of vehicles.*

Claims.—(1.) For the purpose indicated, hooks having rounded rear parts and fixed to the shafts of a vehicle, and springs closing the forward ends of the hooks, substantially as set forth. (2.) For the purpose indicated, in combination with a breeching-strap, a ring attached to the end of the breeching-strap, hooks having rounded rear parts and fixed to the shafts of a vehicle and receiving the said rings, and springs closing the forward ends of the hooks, substantially as and for the purposes set forth. (3.) The combination and arrangement of parts comprising the improved means for attaching breeching-straps to the shafts of vehicles, substantially as and for the purposes set forth, and illustrated on the drawing.

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

No. 17647. — 10th March, 1904. — NATHANIEL WILSON, Jun., of Warkworth, Auckland, New Zealand, Clerk, and MARY ISABELLA WORSLEY, of Mount Roskill, Auckland, New Zealand, Domestic Duties. An improved seat for chairs.*

Claim.—A chair-seat comprising in combination a frame, a split-cane seat woven thereon, and a cover secured upon said frame, substantially as specified and illustrated.

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

No. 18336.—18th August, 1904.—JOHN JOSEPH DAILY, of 8, Armagh Street East, Christchurch, New Zealand, Chemist. An amended important improvement in vulcanised-rubber pneumatic tires in Patent No. 14291, granted the 27th November, 1901, for an improved puncture-resisting lining for pneumatic vulcanised and other rubber tires for cycles, motor-cycles, motor-cars, war-carriages, and other wheel conveyances.*

Claims.—An amended important improvement in vulcanised-rubber pneumatic tires in Patent No. 14291, granted the 27th November, 1901, for an improved puncture-resisting lining for pneumatic vulcanised and other rubber tires. (1.) The combination with the rubber shoe of pneumatic tires of a lining of mineral-tanned leather, in combination with a fabric to which the shoe is attached upon the inside, as specified and for the purpose set forth. (2.) The improved linings of pneumatic tires consist of strips of mineral-prepared leather treated with shellac solution and gutta-percha and rubber cement in combination with fabric, and attached by the cement to the inside surface of the rubber covering of the tires, as specified and for the purpose explained.

(Specification, 3s.)

No. 18382.—27th August, 1904.—JAMES GRANT DAWSON, of Woodbury, South Canterbury, New Zealand, Storekeeper. Improved egg-carrier.*

Claims.—(1.) In an egg-carrier, in combination, a board forming a tray, parallel wires arranged in pairs thereon and raised above the tray-surface, looped wires erected above the

parallel wires, whose ends are turned around the same and secured in the tray, so that when an egg is placed between the looped wires its end shall rest upon the parallel wires, as specified. (2.) In an egg-carrier, in combination, a board forming a tray, parallel wires arranged in pairs thereon and raised above the tray-surface, looped wires erected above the parallel wires and attached thereto, the loops formed by the wires having an inward bend so as to embrace an egg that is placed between them, while the lower part of the egg rests upon the parallel wires, substantially as specified and as shown.

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

No. 18547.—1st October, 1904.—ANNIE LOUISA HEWTON, wife of John Overend Hewton, of Dunedin, New Zealand, Baker (nominee of John Overend Hewton aforesaid). Improved sash raiser and lock.

Claims.—(1.) The general construction, arrangement, and combination of parts composing my improved sash raiser and lock, all substantially as and for the purposes described. (2.) Improved sash raiser and lock, comprising in combination a rack substantially L-shaped in cross-section, adapted to be secured to a side rail of the window-sash, and provided with a toothed rib, a slot in the pulley-style to clear said flange, pulleys attached to the ends of the flange to engage against the pulley-style, a flanged bracket with lugs and ribs embracing said toothed rib so as to enable said rack to slide therein, and adapted to be secured to the window-frame, a boss-piece on the back of the bracket forming a journal for a square spindle secured to a scroll disc adapted to engage in said rack, and means for operating said scroll disc, substantially as described. (3.) In apparatus of the class described, a rack to be secured to the side rail of a window-sash having pulleys mounted therein adapted to engage against the pulley-style so as to prevent dropping of the sash, substantially as described.

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

No. 18593. — 11th October, 1904. — WILLIAM CHARLES NIXON, Plumber, and MICHAEL JAMES JONES, Architect, both of New Plymouth, New Zealand. An improved check and relieving valve for water, gas, steam, and other pipes and fittings.

Extract from Specification. — Construction: A brass or other metal cylinder (any size) contracted on the inside of the cylinder near the centre, by means of a solid rim or neck, to form a stop for a thrust-block and a seat for a disc, and immediately swelling out in the centre to about one-fourth larger than the inside diameter of the cylinder at either end, which ends are tapped, one to receive tap A and the other the pipe. A brass or other metal disc C is then ground in with a bevelled seat on the swelled side of the rim or neck, and connected by a spindle screwed into a brass or other metal perforated thrust-block B on the other side of the rim or neck.

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

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

No. 18611. — 19th October, 1904. — ELLIOTT GEORGE FLETCHER, of Riversdale, 18, London Road, Southend-on-Sea, Essex, England, Gentleman. An improved cash-register.

Claims.—(1.) The improved cash-register, consisting in the combination of a vertical case having an inclined forward side or face; an inscribing-opening in said face, a feed-roller mounted in bearings in said case and adapted to receive a web of recording-paper; a second roller arranged below the feed-roller and arranged to receive the paper from said feed-roller after it has passed the inscribing-opening; a spindle mounted in said case to the rear of the lower roller and adapted to be actuated from the outside of the case, and having a pinion meshing with a toothed wheel on said lower roller for giving the necessary motion to said roller; and the pawl arranged to prevent retrograde movement of the said rollers and recording-strips, substantially as described, and illustrated. (2.) The combination with a cash-till and a cash-register of a short spindle revolubly held in bearings in the upper part of the cash-till, the cash-register being fixed upon the upper end of the revoluble spindle, a pinion keyed upon the lower end of the said spindle, a rack carried by the till and arranged to gear with the said pinion, and ball bearings interposed between the cash-register and the cash-till, substantially as specified.

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

No. 18612.—19th October, 1904.—JAMES HARDING, of Pond Farm, Maiden Bradley, near Bath, Somerset, England, Farmer. Improvement in apparatus for making cheese.

Claims.—(1.) In cheese-making apparatus of the type described, the application of a water-chamber interposed between the tub or vessel and the steam chamber, and adapted to prevent the direct heat of the steam acting upon the vessel and its contents, substantially as and for the purpose specified. (2.) In cheese-making apparatus of the kind described, the combination, with a tub or vessel, of the annular water-chamber having an inlet and outlet controlled by cocks; and the annular steam-chamber arranged upon the outer side of said water-chamber, and having a controlled vent and condensation outlet, and a steam-supply pipe communicating with such steam-chamber and circulating around same, said steam-pipe being perforated in that part which is enclosed by the said steam-chamber, substantially as specified, and as illustrated by the drawings.

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

No. 18621.—20th October, 1904.—PETER DAVIS, of Robert Street, Northcote, Victoria, Australia, Carpenter. Improvements in appliances for clothes-straining and transferring from coppers and boilers.

Claims.—(1.) In devices of the class indicated, a clothes-holder and handle-support therefor combined, and constructed substantially as set forth and illustrated. (2.) In devices of the class indicated, the lower pulley-block illustrated in Figs. 5 and 6, with or without part Q, substantially as set forth. (3.) In devices of the class indicated, the lower pulley-block, with or without part Q, and the strainer in combination, substantially as set forth. (4.) In devices of the class indicated, the two pulley-blocks, the handle and the rope in combination, as illustrated in Fig. 3, substantially as set forth. (5.) In devices of the class indicated, a strainer with a rack, substantially as set forth. (6.) In devices of the class indicated, the combination of all the parts suspended from pulley E in Fig. 1, substantially as set forth.

(Specification, 3s. 9d. ; drawing, 2s.)

No. 18623.—20th October, 1904.—WILLIAM SPEIRS SIMPSON, of 49, Battersea Park Road, London, England, Civil Engineer. Improved apparatus for propelling bicycles and other vehicles.

Claims.—(1.) In a bicycle or other vehicle, the combination with a rear axle having a traction-wheel, a frame having a supply-tank flexibly connected to the said axle, a driving-motor carried by the frame, means for supporting the frame, means connecting the motor with the traction-wheel. (2.) In a bicycle or other vehicle, the combination with a rear axle having a traction-wheel, a frame flexibly connected to said axle or co-axial therewith, a motor on said frame, means for supporting the frame, means connecting the motor to the traction-wheel, and means for controlling the motor. (3.) In a bicycle or other vehicle, the combination with the rear axle, a frame flexibly connected thereto having a supply-tank, wheels connected to the frame, a driving-motor carried on the frame, a supply-tank in communication with the motor, means connecting the motor with the axle, and means for controlling the motor. (4.) In a bicycle or other vehicle having a rear axle, the combination of a frame flexibly connected thereto, a driving mechanism carried by said frame, means for directly connecting the driving mechanism with the rear axle, and means for controlling the said mechanism. (5.) In a bicycle or other vehicle, the combination with a rear axle, a frame yieldably connected thereto, a motor supported by the frame having connections with the axle for driving the same, arms connected to the frame and pending therefrom, said arms carrying wheels serving as a support for the frame, and hand-operable means for controlling the motor.

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

No. 18625. — 20th October, 1904. — UNITED SHOE-MACHINERY COMPANY, of Paterson, New Jersey, United States of America, a corporation duly organized under the laws of said State of New Jersey, and having a place of business at 205, Lincoln Street, Boston, Massachusetts, United States of America (assignees of John Henry Brown, of 6, Lingfield Street, Leicester, England, Engineer). Improvements in or relating to nailing-machines.

Extracts from Specification.—The main feature of the present invention is a nail-carrier formed as an intermittently rotary, or it may be oscillatory turret, receiving nails into its circumference and delivering them nearer to its axis of rotation by means of a plurality of passages. . . . . The nail-receiving throat may serve as a positioning guide for the

nail, and may be in the form of a tube with an axial hole conforming to the contour of the head of the nail, and within which the nail is received through a suitable opening in the side of said tube; this tube may serve as a pivot or bearing on which the rotary or oscillatory turret may turn. In order that the nails may be fixed in the work with the contiguous sides of the heads of adjoining nails in angularly varying positions relatively to each other, but with their points in one direction, the guide-throat can be made capable of oscillation and the hole therein of a cross-section similar to that of the nail-head, so that the latter cannot turn therein, and means are provided to oscillate the throat so that the nail shall be twisted thereby through an angle of, say, 45° from its normal delivered position prior to the descent of the nail-driver bar. . . . . Preferably an ejector may be employed and operated intermittently to force each nail out of its passage in the turret and into the guide-throat, or the passages may be inclined so that the nails may issue therefrom under the action of gravity. This ejector may be used as a turret-positioner by making it so as to engage with suitable index openings or notches in the said turret.

[NOTE.—The above extracts from the specification are inserted in place of the claims.]

(Specification, 17s. 6d.; drawing, 5s.)

No. 18628.—20th October, 1904.—WILLIAM FRANCIS DUGINS, of Peel Street, Kew, Victoria, Australia, Mechanic. Improvements in tobacco-pipes.

Claims.—(1.) In tobacco-pipes, a cap-piece provided with knives and rollers and so arranged that when the same is firmly drawn across a plug of tobacco said tobacco will be cut or shaved by the knives and fall through the cap-piece into the bowl of the pipe, substantially as and for the purposes set forth. (2.) In tobacco-pipes, a cap-piece provided with a knife and a roller and so arranged that when the same is firmly drawn across a plug of tobacco said tobacco will be cut or shaved by the knife and roller and fall through the cap-piece into the bowl of the pipe, substantially as and for the purposes set forth. (3.) In tobacco-pipes, in combination, a strap or band as F having cheeks or lugs upon same, means for fastening the band or strap to a pipe, a roller as D^1 and a knife as E^4 set in said lugs and so arranged that when the knife is drawn across a plug of tobacco it will cut or shave the tobacco so that it may may fall where desired, substantially as and for the purposes set forth. (4.) In tobacco-pipes, in combination, a cap-piece as A, on which is surmounted one or more knives as E and rollers as D, said cap-piece being provided with slots through which the cut tobacco may fall, means such as C for holding the knives and rollers, and means for securing such cap-piece upon such pipe, substantially as and for the purposes set forth. (5.) In tobacco-pipes, in combination, lugged plates having perforations therein and a withdrawable U-shape double knife as E arranged to fit and be held in such perforations, substantially as and for the purposes set forth.

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

No. 18629.—20th October, 1904.—WILLIAM FRANCIS DUGINS, of Peel Street, Kew, Victoria, Australia, Mechanic. Combination match-box and tobacco-cutter.

Claims.—(1.) A combination match-box and tobacco-cutter, embodying at one end a cap-piece provided with knives and rollers, and so arranged that when the same are firmly drawn across a piece of tobacco said tobacco will be cut or shaved by the knives and fall through the cap-piece into a chamber beneath, and having at its other portion a box for matches, substantially as and for the purposes set forth. (2.) In a combination match-box and tobacco-cutter, a cap-piece provided with a knife and a roller, and so arranged that when the same is drawn across a piece of tobacco said tobacco will be cut or shaved by the knife and roller and fall through the cap-piece into a chamber beneath, substantially as and for the purposes set forth. (3.) In a combination match-box and tobacco-cutter, in combination, a cap-piece as D on which is surmounted one or more knives as G and rollers as F, said cap-piece being provided with slots through which the cut tobacco may fall, means such as E for holding the knives and rollers, and means for securing such cap-piece upon such combination match-box and tobacco-cutter, substantially as and for the purposes set forth. (4.) In a combination match-box and tobacco-cutter, in combination, lug-plates as E having perforations therein and a withdrawable U-shaped double knife as G arranged to fit and be held in such perforations, substantially as and for the purposes set forth. (5.) In a combination match box and tobacco-cutter, in combination, a cap-piece as D on which is surmounted one or more knives and rollers, a stopper-plate as K for filling the opening between the box and slotted cap-piece and preventing the cut tobacco from escaping out of such slots from the box, substantially as and for the purposes set forth. (6.) In a combination match-box and tobacco-cutter, in combination, a storage receptacle as A^1, a small plate loosely filling in the bottom of same as I, said plate being provided with a wire staple or frame as J to form a lifting-handle, and a cap-piece as D provided with a cutting-knife or knives, substantially as and for the purposes set forth.

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

No. 18631.—20th October, 1904.—PHILIP MAGNUS, of 27, Harper Street, Northcote, Bourke, Victoria, Australia, Collector. *An improvement in pneumatic tires.*

Claims.—(1.) In pneumatic tires, a circumferential "flesh"-leather segment, said leather having been subjected to a process of pricking and impregnating, all as and for the purposes described. (2.) In pneumatic tires, a circumferential "flesh"-leather segment having at one end an upper wedge point and at the other a lower wedge point, said segment having its side edges reduced, all as and for the purposes described, and as illustrated in the drawings. (3.) In pneumatic tires, a series of circumferential "flesh"-leather segments having their side edges reduced, and at one end an upper wedge point and at the other a lower wedge point, said portions being united by an adhesive, said series forming a circle, all as and for the purposes described. (4.) In pneumatic tires, a series of circumferential "flesh"-leather segments, said segments having been pricked and impregnated with a solution, reduced side edges, an upper wedge point at one end, a lower wedge point at the other, said segments forming a circle placed around a fabric, all as and for the purposes described. (5.) In pneumatic tires, a series of segments formed of "flesh" leather, said segments being immersed in a solution approximately of seventy (70) per cent. of naphtha and thirty (30) per cent. indiarubber, then passing between rollers having prickers and solution thereon, then immersed in a solution approximately of seventy (70) per cent. naphtha and thirty (30) per cent. indiarubber, each segment then having its sides reduced and its edges, all as and for the purposes described.

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

No. 18632.—20th October, 1904.—JOSEPH GARRATT GRIMSLEY, of Halford Street, Leicester, England, Engineer. Improvements relating to fire-extinguishers.

Extract from Specification.—To carry out my invention I preferably use two tubular bodies affected to different degrees of expansion by the action of heat. For instance, I may locate an iron pipe within a copper or brass pipe, and fix on the end of the iron pipe a suitable valve to close down on a seating on the end of the copper or brass pipe, and the opposite end of said copper or brass pipe would be connected to the opposite end of the iron pipe. The arrangement of the two pipes is such that the action of the fire on the copper or brass pipe expands it to a greater degree than the iron pipe, thus opening the valve, and as the fire dies down the contraction of the said copper pipe closes the valve. As the water passes from the valve it may be spread over a large surface by passing through a perforated disc. The said pipes, with the valve thereon, may be fixed vertically or horizontally at any desired point in a building; also, the expansion and contraction of the copper or brass pipe may operate directly upon the valve or through the medium of any convenient form of levers. The invention also combines means by which an alarm is sounded automatically inside a building as soon as the water starts to flow through a sprinkler; also means outside a building for sounding an alarm, working either on the wet-pipe system, or on the dry-pipe system, or by means adapted to operate on both systems.

[NOTE.—The above extracts from the specification are inserted in place of the claims.]

(Specification, 9s. 6d.; drawing, 3s.)

No. 18633.—20th October, 1904.—DAVID ROBERTS, CHARLES JAMES, and JOHN WILLIAM YOUNG, all of Spittlegate Ironworks, Grantham, Lincoln, England, Engineers. Improvements in internal-combustion engines.

Extract from Specification.—According to this invention we place the air inlet and exhaust valves in the end or back cover of the cylinder, and the vaporiser at the side of the cylinder or on the end. The axes of the valves may be parallel with the axis of the cylinder, or inclined thereto, and the said valves are actuated from the engine by any of the usual mechanisms. The vaporiser can be placed at the

side, close to the back end of the cylinder, or on the end at any inclination or partially on the end, between the end and the side of the cylinder.

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

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

No. 18637.—18th October, 1904.—HARRY WALTERS and JOSEPH AMBROSE APPLETON, both of Hay Street, Darling Harbour, Sydney, New South Wales, Australia, Manufacturers. An anti-fouling and anti-corrosive composition.

Claims.—(1.) As an anti-fouling and anti-corrosive composition, the combination of bitumen, pitch, and coal-tar-naphtha or creosote, as set forth. (2.) As an anti-fouling and anti-corrosive composition, the combination of bitumen, pitch, and coal-tar-naphtha or creosote with a body of powdered coal, powdered slaked lime, and powdered cement, as set forth. (3.) As an anti-fouling and anti-corrosive composition, a solution consisting of bitumen, pitch, and coal-tar-naphtha as a preliminary application, the same being afterwards covered by an enamel consisting of bitumen, pitch, creosote, powdered coal, powdered slaked lime, and powdered cement, as specified.

(Specification, 2s. 3d.)

No. 18638.—18th October, 1904.—FRANCIS ARTHUR RICH, of Remuera, near Auckland, New Zealand, Mining Engineer (nominee of Samuel B. Christy, of Berkeley, Alameda, California, United States of America). Improvements in the recovery of gold and silver from cyanide ore-extraction solutions.

Extracts from Specification.—There are two great difficulties in the recovery of gold and silver from such dilute solutions. The first lies in their extreme dilution. . . . . The second lies in the fact, not generally known, that the electric current acts differently on metallic cyanides than it does on other metallic compounds in solution. . . . . The method by which I have been able to overcome this difficulty by directly attacking it has been, after clarifying from sediment by filtration or settling the solution to be treated, to collect it in a large storage-tank or reservoir, and then to circulate it through a suitable electro-chemical cell, and back again to the storage-tank rapidly and repeatedly, in such a manner that the solution is brought into intimate contact with anodes and cathodes in rapid alternation, until the gold and silver content has been sufficiently reduced. By my improved process I have been able to handle such solution at a rate corresponding to 1,000 tons a day in a deposition-box of only 30 cubic feet, and have secured better precipitation than has ever before been obtained with a deposition-box holding 6,000 cubic feet. When the solution is free from sediment, and the ore leaches rapidly enough, instead of collecting it in a storage-tank, I may use the ore-extraction tank as a storage-tank, pumping the solution from below the filter and returning it on top of the ore.

[NOTE.—The above extracts from the specification are inserted in place of the claims.]

(Specification, £1; drawing, 1s.)

No. 18642.—21st October, 1904.—ALEXANDER ROSS and WILLIAM ROSS, both of Napier, New Zealand, Rope and Twine Manufacturers. An improved binder-twine.

Claims.—(1.) The improved method of manufacturing binder-twine, the same consisting essentially in first forming a core of any desired material, and then spinning upon such core a wrapping of suitable fibre, substantially as specified. (2.) The improved method of manufacturing binder-twine, the same consisting essentially in forming a core of flax tow and then spinning upon such core a wrapping of flax or hemp fibre, substantially as specified.

(Specification, 1s. 3d.)

No. 18647.—22nd October, 1904.—GLOBE PROPRIETARY COMPANY, LIMITED, a registered company carrying on business in Auckland, New Zealand (assignees of Ernest Herbert Littlejohn, of Auckland aforesaid, Manager of the said company, the assignee of William H. Morehouse, of Wasco, Oregon, United States of America). An improved hammock-support.

Claims.—(1.) For the purpose indicated, a pair of stretcher-bars adapted to support a hammock between them, each of said bars being fixed to a rocking-bar at its lower end, the rocking-bars being connected by a longitudinal beam, with means for maintaining the stretcher-bars in position with the hammock between them, substantially as specified and illustrated. (2.) For the purpose indicated, in combination, a longitudinal main beam, cross-beams secured to the main beam, brackets one at each end of each cross-beam, an eye formed upon each bracket above the cross-beam, rocking-bars journalled in said eyes, a stretcher-bar fixed in each rocking-bar, hooks carried in eyes upon the main beam, said hooks being adapted to take into one or other of a plurality of holes formed in the stretcher-bar, diagonal stay-bars between the cross-beam and the main beam, and stay-bars between each stretcher and the rocking-bar to which it is connected, substantially as specified and illustrated. (3.) In apparatus for the purpose indicated, a bracket designed to carry the end of a cross-beam, said bracket being splayed outwardly at its lower end to form a support, and having an eye at its upper end to form a journal for a rocking-bar, substantially as specified and illustrated. (4.) Apparatus for the purpose indicated, consisting of the parts arranged, combined, and operating substantially as and for the purposes specified, and as illustrated in the drawing.

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

No. 18648.—22nd October, 1904.—JOHN JULIA RIDGWAY, of Rosebank, Staten Island, New York, United States of America, Mechanical Engineer. Improvements in belt-conveyers.

Extract from Specification.—This invention relates to improvements in belt-conveyers of the type that consist in endless belts mounted on rollers and caused to travel by the rotation of the rollers in order to carry articles or materials fed on to them from one place to another. The improvements consist in the provision of means whereby the conveyer-belt may be caused to assume a curved or trough form in cross-section while travelling along the distance through which the article or materials have to be conveyed. Such means consist broadly in the employment of a duplicate endless belt mounted between the main conveyer-belt so as to travel along in parallel lines thereto. To the outer face of this second belt are attached, at regular intervals apart, transverse battens or members that are curved downwards and inwards from both ends towards their middle. When the belts are drawn taut these battens will press against the under-face of the outer or main conveyer-belt so as to cause it to assume the same trough-like form as the battens. Special means are provided whereby both of the belts may be caused to travel simultaneously at the same speed, may be regulated in tension independently of each other, and whereby the outer belt may have its edges turned upwards before it comes under the influence of the trough-shaped members.

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

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

No. 18651.—20th October, 1904.—JOHN ANDERSON, of Dunedin, New Zealand, Brassfounder. Improved automatic-pressure appliance for cheese-presses.

Claims.—(1.) In cheese-presses where the pressure is given by screw or suchlike, the method of pressing against a block engaging compound levers and weights so that the required pressure is given to the cheese and when the weights are pressed up said weights continue to maintain the same pressure till the end of their stroke, upon the cheese, all substantially as set forth, and as illustrated in the drawing. (2.) In cheese-presses, the pressure-resistance block in combination with a system of levers and weights for preventing overpressure and continuing the pressure to the end of the stroke of the weights and levers, on said cheeses, all substantially as set forth, and as illustrated in the drawing.

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

No. 18654.—25th October, 1904.—JOHN WILLIAM WRIGLEY, of Rotorua, New Zealand, Architect. An improved method of fixing the sheets of corrugated and other iron roofing.

Extract from Specification.—This invention relates to an improved method of arranging and fixing the sheets of corrugated iron and other sheet-iron roofing, and it has been designed in order to provide for the collection of the condensed moisture upon the under-surface of the roofing, and for its delivery on to the outside thereof. The dripping of the water caused by such condensation into the building is thus prevented. The invention consists in so lapping the sheets that the top end of the lower sheet of each lap shall be a short distance from the under-surface of the lower end of the upper sheet. Waters of condensation thus running down the

under-surface of the sheets will enter the spaces thus formed, and will be caught by the lower sheets and carried out by them on to the top-surface of the roof. Two ways of attaining this result have been devised. The first consists in laying a thin batten transversely across between the two sheets at the lap, while the second consists in bending the lapped top end of the lower sheet slightly downwards.

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

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

No. 18656.—24th October, 1904.—CHARLES BRAKE, of Lincoln, New Zealand, Veterinary Surgeon. An improved surgical instrument for use upon cattle.

Extract from Specification.—The invention consists of a barrel having its lower end bell-shaped. A screw is adapted to be fed into the barrel and to impinge against a rod, on the end of which are co-axially pivoted two blunt pointed hooks. When the screw is rotated these are either forced out of the tube or withdrawn.

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

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

No. 18659.—25th October, 1904.—ALFRED BILLENS, of Christchurch, New Zealand, Manufacturer. An improved attachment to spray-pumps for agitating the liquid to be pumped.

Claim.—In spray-pumps having an enveloping air-chamber, a pipe secured in the chamber whose lower end reaches nearly to the bottom thereof, the upper end of said pipe being bent so as to deliver liquid in a nearly vertical stream, as the pump is operated, into the can or bucket containing the liquid in which the pump has been placed, and a tap upon the pipe-end, substantially as described.

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

No. 18661.—27th October, 1904.—MARTIN WILLIAM HAENKE, of Greenham Chambers, Nicholas Street, Ipswich, Queensland, Australia, Architect. Improvements in apparatus for lighting and extinguishing gaslights controlled by the gas-pressure.

Claims.—(1.) In improvements in apparatus for lighting and extinguishing gaslights controlled by the gas-pressure, a metal casing with internal walls forming an annulus for the reception of mercury in combination with a main supply-pipe such as C, and delivery-pipes such as E, P, and R, as described, and illustrated by drawings. (2.) In improvements in apparatus for lighting and extinguishing gaslights controlled by the gas-pressure, a bell such as F enclosed within a casing and mounted upon a vertical spindle such as G, adapted to rise and fall in a mercury seal in combination with an axle such as L rotating upon centres; springs such as J and Q engaging with disc such as K on said axle; pin such as M for supporting small bell such as N, as described, and illustrated by drawings. (3.) The general arrangement and combination of parts as described, and illustrated by drawings.

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

No. 18684.—1st November, 1904.—GEORGE HAMILTON FRY, of Ashburton, New Zealand, Constable. Improved means for locking a bicycle when not in use.

Extract from Specification.—When the lock is rendered operable by bringing into line the combination of numbers upon the collars 6, of which three are employed herein, and shown to illustrate my invention, the sleeve 2 is slid along the tube 1 until it comes against the stop 3. The longitudinal motion of the sleeve is converted into a rotary motion of the vertical pin 11, through the rack 9 and pinion 10. At the same time the pinion 12 will be rotated, and the bolts 13 and 14 caused to be shot through the pinion 12, meshing in the bolt racks. The bicycle will now be locked, and, if the numeral combination is lost, by revolving the collars on the sleeve it will remain locked until some one who is acquainted with the combination rearranges it and slides back the sleeve. When the bolts have been shot the bicycle cannot be ridden or steered, as the lower bolt will be in engagement with the crank spindle, and the other bolt will have passed through the steering-tube 17. In order to prevent dust interfering with the exterior rack and pinion, a plate may be placed over it and screwed down in the holes 25. For this purpose the rack 9 and a portion 26 of the sleeve is recessed, so that when a plate 28 (Fig. 1) is placed over the parts it will be flush with the sleeve. The pinion 10 is prevented from coming off the pin 11 by a screw 27 threaded into the head of the pin.

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

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

No. 18685.—2nd November, 1904.—ARTHUR HENRY TINKHAM, of Stronvar, Masterton, Wellington, New Zealand, Farmer. An improvement relating to ear-punches.

Claim.—In an ear-punch, the employment of a hollow punch upon one arm and a blank of soft metal in the opposing arm, substantially as and for the purposes specified and illustrated.

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

No. 18699.—3rd November, 1904.—ALEXANDER MATHESON, of 234, Flinders Lane, Melbourne, Victoria, Australia, Manufacturers' Agent. Improvements in postal wrappers and the like, specially applicable in connection with post-cards.

Claims.—(1.) A postal wrapper, having a back to cover the enclosure-back, and a front having covering-margins and an aperture of the character aforesaid, substantially as described. (2.) A postal wrapper, having a back to cover the enclosure-back, a front having covering margins or strips all round, and an aperture within which shall be located the address, the postage-stamp, and the postal marking areas, substantially as described. (3.) A postal wrapper having a back to cover the enclosure and the front pockets and aperture, substantially as described. (4.) A postal wrapper constructed substantially as illustrated in Fig. 4, and described. (5.) A postal wrapper constructed substantially as illustrated in Fig. 6, and described.

(Specification, 4s.; 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.

Patent Office,
Wellington, 23rd November, 1904.

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

No. 18568.—7th October, 1904.—EDWARD SPREY, Hawker, and FANNY SPRAY, Spinster, both of Dunedin, New Zealand. Improved hook and eye fastenings.

No. 18575.—7th October, 1904.—HANS PETER KNUTZEN, of John Street, Ponsonby, Auckland, New Zealand, Sawmiller, and WILLIAM ALFRED ELWARTH, Timber-merchant, and GEORGE ROBERT BUSCKE, Clerk, both of Gisborne, New Zealand. An improved safety racing-hurdle.

No. 18577.—11th October, 1904.—ERNEST GRUNDY, of Gisborne, New Zealand, Cabinetmaker.—An improved portable woven-wire stretcher.

No. 18677.—28th October, 1904.—CHARLES WILLIAM ZIELE, of Christchurch, New Zealand, Merchant. A shirt-cuff protector.

No. 18683.—1st November, 1904.—ANDREW STRAIN, of Muckomore, Belfast, Ireland, Linen Trade. An invention for utilising the resistance of motion.

No. 18696.—3rd November, 1904.—CAL JEROME, of Perth, Western Australia, Miner. A low-pressure incandescent oil-lamp, to be used in connection with incandescent mantles.

No. 18697.—3rd November, 1904.—JOHN PUGH, of 335A, George Street, Sydney, New South Wales, Australia, Land and Estate Agent. An improved method of preventing and curing consumption and other kindred diseases.

No. 18701.—1st November, 1904.—THOMAS ASHCROFT, at present residing at 156, Hobson Street, Auckland, New Zealand, Engineer. A means or device for increasing the speed of, or reducing the fuel consumption of, any vessel propelled by machinery.

No. 18702.—4th November, 1904.—HENRY EDWIN MCDONALD, of 9, Boulcott Street, Wellington, New Zealand, Wool-merchant. Process for preserving eggs or other perishable goods.

No. 18704.—5th November, 1904.—FRED WILKINSON, of Britannia Street, Petone, Wellington, New Zealand. Improved brackets for spouting and the like, for use on houses and other buildings.

No. 18705.—7th November, 1904.—WILLIAM BAXTER JONES, of Karamu Road, Hastings, New Zealand, Engineer. An improved spring tine cultivator.

No. 18706.—5th November, 1904.—JOSEPH SPROTT, of Chertsey, New Zealand, Farmer. An improved bird-trap.

No. 18708.—4th November, 1904.—DONALD ROBERTSON, of Wellington, New Zealand, Civil Servant. Improvements in and relating to envelopes.

No. 18709.—4th November, 1904.—JOHN ALBERT GAYNOR, of 108, George Street, East Melbourne, Victoria, Australia, Foreman. An improved cork-retainer for bottles.

No. 18711.—3rd November, 1904.—DAVID SIMPSON, of O'Neil and Oliphant Streets, Ponsonby, Auckland, New Zealand, Carpenter. An invention for cleaning and polishing knives, forks, spoons, or other articles.

No. 18713.—8th November, 1904.—FRANK WALTER MADDOX, of Auckland, New Zealand, Chemist. Improved broom.

No. 18717.—7th November, 1904.—AARON DYKE, of Waipiata, New Zealand, Builder. Improved lifting-jack for vehicles.

No. 18718.—7th November, 1904.—AARON DYKE, of Waipiata, New Zealand, Builder. Improved trace-holder for swingletrees and the like.

No. 18719.—7th November, 1904.—AARON DYKE, of Waipiata, New Zealand, Builder. Improved rein-holder for vehicles.

No. 18726.—10th November, 1904.—PATRICK HENLEY, of Palmerston North, New Zealand, Labourer. An improved hose-coupling.

No. 18728.—10th November, 1904.—HUGO DICKE, of 14, Neue Mainzerstrasse, Frankfort-on-the-Main, Germany, Gas Engineer. Process of generating gas.

No. 18729.—10th November, 1904.—JAMES THOMAS HUNTER, of Queen's Chambers, Wellington, New Zealand, Registered Patent Agent, nominee of Carl Dellwik, of 25, Victoria Street, London, S.W., England, Engineer. Improvements in the production of water-gas.

No. 18732.—10th November, 1904.—FRANK COOPER, of Christchurch, New Zealand, Agricultural-implement Maker. An improved tip road-wagon.

No. 18733.—11th November, 1904.—DANIEL MCCALLUM, of Invercargill, Southland, New Zealand, Bacon-curer. Mixture for curing bacon, fish, meat, and similar food.

No. 18734.—11th November, 1904.—WALTER GEORGE CLOKE, of Patea, Taranaki, New Zealand, Settler. An improved furnace for the treatment of ironsand.

No. 18735.—8th November, 1904.—WALTER E. SEARLE and WALTER GIBB, both of Oamaru, New Zealand, Coachbuilders. An improvement in vehicle seat-slides.

No. 18737.—18th July, 1904.—JOSEPH WARRY, of 23, Duchess Road, Edgbaston, Birmingham, England, Manufacturer, and PERCY WIGLEY, of 121, Colmore Row, Birmingham aforesaid, Consulting Engineer. Improvements in inverted incandescent gaslights.

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

No. 18738.—8th November, 1904.—JOHN HENRY THOMAS TURNBULL, of Auckland, New Zealand, Manufacturer. An improved fire-lighter.

No. 18739.—14th November, 1904.—RICHARD SIMMONDS, of Coromandel, Auckland, New Zealand, County Clerk. Improved carrier for eggs, fruit, and the like.

No. 18741.—10th November, 1904.—HARRY ARCHIBALD DE LAUTOUR, of Dunedin, New Zealand, Surgeon. Improved bowl-testing machine.

No. 18742.—15th November, 1904.—ALFRED SCHERER, of Mangatoki, New Zealand. An attachment to hand seed-drill cultivator to sow artificial manure continuous with seed sown.

No. 18744.—15th November, 1904.—HERBERT WILLIAM CANDY, of Tay Street, St. Albans, Christchurch, Canterbury, New Zealand, Life-insurance Agent. An improved tug-stop for vehicle-shafts.

No. 18747.—12th November, 1904.—ANDREW HERBERT BYRON, of Auckland, New Zealand, Civil Engineer. A smoke-destroyer and automatic feeder for furnaces and steam-boilers.

No. 18748.—16th November, 1904.—ALFRED HENRY RADCLIFFE ALLEN, Enameller and Electro-plater, and HAVILAND SWIFT DARBY, Traveller, constituting the firm trading as The Nella Enamelling and Japanning Company, of Knox Place, Melbourne, Victoria, Australia. Improvements in metal-finishing processes and product thereof.

No. 18750.—16th November, 1904.—ALEXANDER MCKAY, of 87, Harris Street, Pyrmont, near Sydney, New South Wales, Australia, Engineer. Improvements in apparatus for excavating and elevating wash-dirt or sand.

No. 18751.—16th November, 1904.—UNITED SHOE MACHINERY COMPANY, of Paterson, State of New Jersey, United States of America, a corporation duly organized under the laws of said State of New Jersey, and having a place of business at 205, Lincoln Street, Boston, Massachusetts, United States of America, assignees of Benjamin Franklin Mayo, of Salem, Essex, Massachusetts aforesaid, Inventor. Improvements in or relating to machines for trimming and concaving the breasts of heels.

No. 18752.—16th November, 1904.—UNITED SHOE MACHINERY COMPANY, of Paterson, State of New Jersey, United States of America, a corporation duly organized under the laws of said State of New Jersey, and having a place of business at 205, Lincoln Street, Boston, Massachusetts, United States of America, assignees of William Roderick Barclay, Commercial Traveller, and Arthur Bates, Engineer, both of Leicester, England. Improvements in or relating to nail-driving machines.

No. 18756.—16th November, 1904.—COWPER LASHLIE, of Temuka, New Zealand, Salesman. A combined coat and trouser hanger.

No. 18759.—14th November, 1904.—ROBERT MCKAY, of Wendonside, New Zealand, Farmer. Improvements in trucks and the like.

No. 18760.—8th November, 1904.—WILLIAM SIM, of Underwood, Invercargill, New Zealand, Engineer. An improvement in producing gas from petroleum oils for manufacturing purposes and lighting.

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.

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

F. WALDEGRAVE,
Registrar.

Letters Patent sealed.

LIST of Letters Patent sealed from the 9th November, to the 18th November, 1904, inclusive:—

No. 16599.—B. A. Bell, colouring pictures and photographs.

No. 16781.—G. S. Budge, music-leaf turner.

No. 16799.—C. H. Lowe, horse-shoeing lever.

No. 16888.—R. M. Crosbie, guide-chute for flax-stripping machine.

No. 17208.—J. Tagell, valve for rock-drill, &c.

No. 17232.—W. Ferrier, candlestick.

No. 17286.—R. W. Walpole, beverage.

No. 17802.—F. Lobnitz, dredge.

No. 17846.—W. J. Spruson, air-brake for railways (W. H. Sauvage).

No. 17918.—J. S. Larke, book-holder.

No. 17997.—D. Carlaw, sen., D. Carlaw, jun., A. L. and J. W. Carlaw, printing and numbering machine.

No. 18056.—A. R. Angus and H. M. Laugher, enabling railway-cars to travel over lines of varying gauges (R. Massey).

No. 18167.—E. G. May, door-holder.

No. 18214.—A. P. Richmond, therapeutic apparatus.

No. 18225.—Worsey-Hoal Gold-extracting Syndicate, Limited, extracting gold from gold-ores (J. W. Worsey and E. Hoal).

F. WALDEGRAVE,
Registrar.

Letters Patent on which Fees have been paid.

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

SECOND TERM FEES.

NO. 13130.—D. J. Young, portable shower-bath. 2nd November, 1904.

No. 13163.—W. Kingsland, operating electric switches. 10th November, 1904.

No. 13164.—W. Kingsland, box for switch for electric traction. 10th November, 1904.

No. 13176. J. Graham, concrete, &c., monument manufacture. 21st November, 1904.

No. 13180.—H. Reynolds, calculating and indicating apparatus for totalisator. 19th November, 1904.

No. 13212.—J. Willison, railway coupling and buffer. 10th November, 1904.

No. 13257.—The British Westinghouse Electric and Manufacturing Company, Limited, gasifier for internal-combustion engine. (W. E. Hughes—W. A. Bole, and E. Ruud.) 10th November, 1904.

No. 13266.—F. T. Page, wire-grip. 7th November, 1904.
No. 13340.—Phœnix Investment Company, fuel-feeder. (E. Waters—T. Ascencio.) 22nd November, 1904.

THIRD-TERM FEES.

No. 10157.—The Thunderbolt Patent Governor Company, Limited, governor for machinery. (E. Thunderbolt.) 15th November, 1904.
No. 10170.—W. Nelson, refrigerating-apparatus. 18th November, 1904.
No. 10232.—J. H. Ormond and F. Ritchie, water-filter. 18th November, 1904.

F. WALDEGRAVE,
Registrar.

Subsequent Proprietors of Letters Patent registered.

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

NO. 13604.—Isidoro Pedraza, of Madrid, Spain. Manufacture of ice. [E. Waters, jun.—L. Engelhorn—J. Patten.] 14th November, 1904.
No. 14654.—John Helier Vautier, of Napier, in the Colony of New Zealand, Gentleman (*registered as mortgagee*), manufacture of water-gas. [H. W. G. Henderson.] 12th November, 1904.
No. 16661.—Arthur Charles Tremain, of Auckland, in the Colony of New Zealand, Bootmaker (*registered as proprietor of one moiety or equal half-part or share*), boiler. [J. Bates.] 22nd November, 1904.
The British Westinghouse Electric and Manufacturing Company, Limited, of Westinghouse Building, Norfolk Street, Strand, in the City of Westminster, in England, Manufacturers—
No. 16865.—Regulating and controlling the voltage of alternating-current circuits. [J. P. Campbell—The British Westinghouse Electric and Manufacturing Company, Limited.]
No. 18016.—Brush-holder for electrical machine. [J. P. Campbell—R. Siegfried and C. B. Mills.] 22nd November, 1904.
No. 17594.—Henry James Manson, of Palmerston North, in the Colony of New Zealand, Settler. Coupling pipes or cocks to fluid-mains, &c. [F. Albrecht.] 10th November, 1904.
No. 17845.—Linotype and Machinery, Limited, of Nos. 188 and 189, Fleet Street, in the City of London, England. Printing machine. [T. M. North.] 15th November, 1904.
No. 18041.—The British Westinghouse Electric and Manufacturing Company, Limited, of Westinghouse Building, Norfolk Street, in the City of Westminster, England, Manufacturers. Igniter-mechanism for internal-combustion engine. [J. T. Hunter—C. Regenbogen and E. Ruud.] 22nd November, 1904.

F. WALDEGRAVE,
Registrar.

Applications for Letters Patent abandoned.

LIST of applications for Letters Patent, with which provisional specifications only have been filed, abandoned (*i.e.*, complete specifications not lodged) from the 9th November to the 23rd November, 1904, inclusive:—
No. 17450.—J. Ramsay, hair-pin.
No. 17452.—R. A. Bradbury, manufacture of oil clothing.
No. 17458.—G. Claydon, building-construction.
No. 17459.—T. Davies, reaping-machine attachment.
No. 17463.—P. Coull, fire-lighter.
No. 17467.—J. W. Thomas and C. O. McCutcheon, well-sinking.
No. 17468.—E. Smethurst, retarding speed of ships.
No. 17471.—J. Key, water-heater.
No. 17472.—J. Key, water-heater.
No. 17473.—W. Wilkinson, game.
No. 17474.—J. Hercus and F. W. Barton, umbrella-joint.
No. 17476.—J. Harris, sash-fastener.
No. 17477.—H. G. Watson and J. Cummock, jun., manufacture of aerated liquid.
No. 17479.—A. Hesse and W. Beissel, dressing flax.
No. 17481.—C. O. E. Andersson, cutting railway grooves and sleepers.
No. 17484.—P. B. Hardy, applying heat to skin.
No. 17485.—H. J. Marks, window-holder.
No. 17491.—J. Johnston, frame for setting off distances along a plank.
No. 17492.—C. L. August, pin.
No. 17493.—F. Stubbs, fire-lighter.
No. 17494.—D. Worland, union-joint for tap.

F. WALDEGRAVE,
Registrar.

Applications for Letters Patent void.

APPLICATIONS for Letters Patent, with which complete specifications have been lodged, void owing to non-acceptance of such complete specifications, from the 9th November to the 23rd November, 1904, inclusive:—
No. 16777.—J. B. Hooper, pocket case.
No. 16801.—E. J. Traynor, gate.

F. WALDEGRAVE,
Registrar.

Applications for Letters Patent lapsed.

LIST of applications lapsed owing to Letters Patent not being sealed, from the 9th November to the 23rd November, 1904, inclusive:—
No. 16328.—H. M. Rockell and F. Thomson, withdrawing proportionate quantity of liquid from receptacle.
No. 16360.—T. Potts, medicinal preparation.
No. 16367.—F. W. Payne, lock-nut.

F. WALDEGRAVE,
Registrar.

Letters Patent void.

LETTERS Patent void through non-payment of renewal fees from the 9th November to the 23rd November, 1904, inclusive:—

THROUGH NON-PAYMENT OF SECOND-TERM FEES.

No. 12849.—J. S. Morton, pump.
No. 12856.—G. W. Penney, turnip shawer and lifter.
No. 12864.—F. J. Corbett, manufacture of white-lead.
No. 12865.—A. Petersen, lock.
No. 12866.—A. P. Hall, pasteurising cream.
No. 12871.—J. Thomas and G. W. Bell, computing-machine.
No. 12880.—J. T. Moate, book-leaves.
No. 12882.—R. P. Tatum, ore-concentration (S. M. Lissau).
No. 12883.—A. Yager, whippletree.
No. 12884.—The British Westinghouse Electric and Manufacturing Company, Limited, electric railway (R. C. Parsons, R. Belfield, and W. Chapman).
No. 12886.—E. Waters, jun., fuel for spirit-stove (Spiritine, Limited—B. Hoffmann).
No. 12892.—W. Bromiley, vessel for containing moth, &c., exterminator.
No. 12895.—T. Bell, packing starch.
No. 12896.—J. W. Newall, cutting hair and wool.
No. 12897.—T. J. Mayer, separation of mixed granular or pulverised substances (E. Gates).
No. 12898.—T. J. Mayer, separation of mixed granular or pulverised substances (E. Gates).
No. 12899.—T. J. Mayer, separation of mixed granular or pulverised substances (E. Gates).
No. 12901.—C. Rennick, ore-roasting process and furnace (C. H. Ward).
No. 12903.—The British Westinghouse Electric and Manufacturing Company, Limited, alternating-current electric distribution (C. I. Young).
No. 12914.—The Victor Motor Company, Limited, tube-igniter for gas-engine (G. Ey).
No. 12915.—J. Orr and T. McCulloch, ventilating-cowl.

THROUGH NON-PAYMENT OF THIRD-TERM FEES.

No. 9774.—The American Tobacco Company of New Zealand, Limited, cutting and printing mechanism for box-making machine (W. H. Butler).
No. 9793.—S. P. Quick, shaping, forging, &c., rock-drills.
No. 9803.—T. Hitchen, baking-oven.

F. WALDEGRAVE,
Registrar.

Design registered.

A DESIGN has been registered in the following name on the date mentioned:—
No. 221.—George Rodier, of Octagon Buildings, Dunedin, in the Colony of New Zealand, portrait artist. Class 2. 19th November, 1904.

F. WALDEGRAVE,
Registrar.

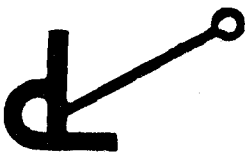
Applications for Registration of Trade Marks.

Patent Office,
Wellington, 23rd November, 1904.

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: 4608.
Date: 15th March, 1904.

TRADE MARK.



NAME.

DE BEAUVOIR DE LISLE, of Waimata Valley, Gisborne, New Zealand, Sheep-farmer, and EDWIN VALENTINE LUTTRELL, of Gisborne aforesaid, Veterinary Surgeon.

No. of class: 2.
Description of goods: Cattle-branding compositions.

No. of application: 4733.
Date: 25th May, 1904.

TRADE MARK.

The word

PIANOLA.

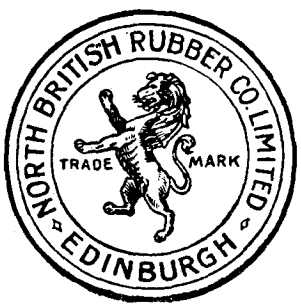
NAME.

THE AEOLIAN COMPANY, a corporation organized under the laws of the State of Connecticut, having a place of business at No. 362, Fifth Avenue, City of New York, Borough of Manhattan, and State of New York, United States of America, Manufacturers of and Dealers in Mechanical Piano-players.

No. of class: 9.
Description of goods: Piano-players and keyboard players.

No. of application: 4828.
Date: 22nd July, 1904.

TRADE MARK.



The applicants claim that the said trade mark has been used by them or by their shipping-agents in respect of the articles mentioned since upwards of twenty years before the 1st January, 1890.

NAME.

NORTH BRITISH RUBBER COMPANY, LIMITED, of Castle Mills, Edinburgh, Scotland, Indiarubber Manufacturers.

No. of class: 38.
Description of goods: Indiarubber footwear.

No. of application: 4873.
Date: 17th August, 1904.

TRADE MARK.

Registered Trade Mark.

The essential particulars of the trade mark are the following: The word "Mohawk" and the representation of a cornstalk; and any right to the exclusive use of the added matter is disclaimed.

NAME.

INDEPENDENT STARCH COMPANY, of 65, Beach Street, New York City, New York, United States of America.

No. of class: 42.
Description of goods: Maizeflour and cornflour.

No. of application: 4938.
Date: 28th September, 1904.

TRADE MARK.

BOCK'S BALSAM

FOR ALL

Throat and Chest Affections.

The applicant claims that the said trade mark has been in use by him in respect of the article mentioned from before 1890.

NAME.

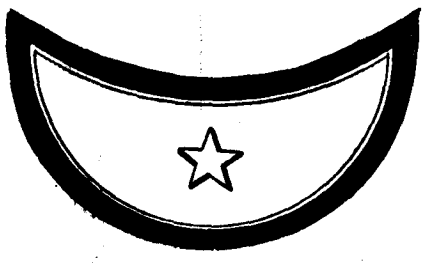
JOHANN ANTON BOCK, of Mount Eden, Auckland, New Zealand, Manufacturer of Herbal Medicines.

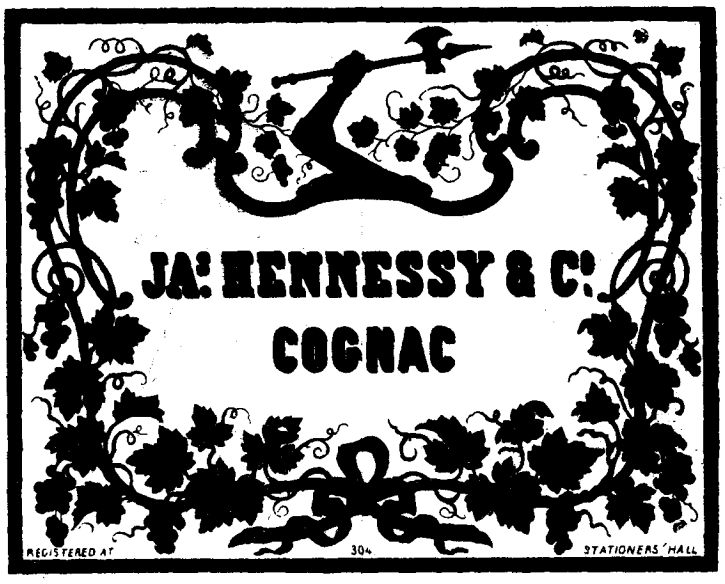
No. of class: 3.
Description of goods: Balsam.

No. of application: 4967.

Date: 21st October, 1904.

TRADE MARK.





The applicants claim that the said trade mark has been in use by them in respect of the article mentioned for upwards of sixteen years at least—that is to say, since the year 1888.

NAME.

JAS. HENNESSY AND CO., of Cognac, France, Brandy-merchants.

No. of class: 43.

Description of goods: Brandy.

No. of application: 4980.
Date: 28th October, 1904.

TRADE MARK.

The essential particular of this trade mark is the distinctive device; and any right to the exclusive use of the added matter, except the name "Strange's," is disclaimed.

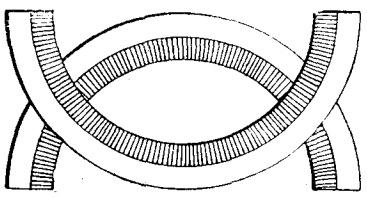
NAME.

W. STRANGE AND CO., LIMITED, of 148, Lichfield Street, Christchurch, New Zealand.

No. of class: 38.
Description of goods: Woollen underwear, hosiery, &c.

No. of application: 4986.
Date: 1st November, 1904.

TRADE MARK.



NAME.

THE HONOURABLE CHARLES ALGERNON PARSONS, of Heaton Works, Newcastle-on-Tyne, England, Engineer.

No. of class: 13.

Description of goods: Metal goods of all kinds included in the class.

No. of application: 4987.
Date: 1st November, 1904.

TRADE MARK.

The essential particulars of this trade mark are the special design of the label, the device of the rooster, the holly scroll, and the word "Defiance"; and applicants disclaim any right to the exclusive use of the added matter, except their name and address.

NAME.

JOSEPH NATHAN AND CO., LIMITED, of Featherston Street, Wellington, in the Colony of New Zealand, Merchants.

No. of class: 42.
Description of goods: A dried condensed milk.

No. of application: 4997.
Date: 7th November, 1904.

TRADE MARK.

The word

FROZELLA.

NAME.

GEORGE WILLIAM HEAN, of Wanganui, New Zealand, Chemist.

No. of class: 3.
Description of goods: A skin-medicine.

No. of application: 4998.
Date: 7th November, 1904.

TRADE MARK.

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

NAME.

GEORGE WILLIAM HEAN, of Wanganui, New Zealand, Chemist.

No. of class: 3.
Description of goods: A patent medicine.

No. of application: 4999.
Date: 7th November, 1904.

TRADE MARK.

The words

UNIVERSAL SAFETY-LAMP.

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

NAME.

SARGOOD, SON, AND EWEN, of New Zealand.

No. of class: 13.
Description of goods: Lamps.

No. of application: 5000.
Date: 8th November, 1904.

TRADE MARK.

THE
"GOLDEN CLOUD"
MIXTURE.
A Choice Blend of the Finest Virginian Tobacco.
PUT UP BY
E. C. BATKIN,
No. 51, Lambton Quay, Wellington, N.Z.

The essential particulars of this trade mark are the words "Golden Cloud"; and applicant disclaims any right to the exclusive use of the added matter, except his name and address.

NAME.

EDWIN CHARLES BATKIN, of 51, Lambton Quay, Wellington, New Zealand, Tobacconist.

No. of class: 45.
Description of goods: Tobacco and cigarettes.

No. of application: 5001.
Date: 8th November, 1904.

TRADE MARK.

The word

HOPSALL.

NAME.

ALFRED HYDE, of Te Awamutu, Auckland, New Zealand, Aerated-water Manufacturer.

No. of class: 44.
Description of goods: Mineral and aerated waters.

No. of application: 5003.
Date: 10th November, 1904.

TRADE MARK.

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

NAME.

THE INGLEWOOD CO-OPERATIVE BACON-CURING COMPANY, LIMITED, of Inglewood, Taranaki, New Zealand.

No. of class: 42.
Description of goods: Bacon, hams, lard, tongues, trotters, brawn, and similar products.

No. of application: 5005.
Date: 10th November, 1904.

TRADE MARK.

The essential particulars of the trade mark are the words "Pine Tree" and the device of a pine tree; and any right to the exclusive use of the word "Brand" is disclaimed.

NAME.

THE BRITISH COLUMBIA PACKERS ASSOCIATION, of Vancouver, British Columbia.

No. of class: 42.
Description of goods: Tinned salmon.

No. of application: 5006.
Date: 10th November, 1904.

TRADE MARK.

The essential particulars of the trade mark are the word "Rex" and the combination of devices; and any right to the exclusive use of the added matter is disclaimed.

NAME.

THE BRITISH COLUMBIA PACKERS ASSOCIATION, of Vancouver, British Columbia.

No. of class: 42.
Description of goods: Tinned salmon.

No. of application: 5007.
Date: 10th November, 1904.

TRADE MARK.

The essential particular of the trade mark is the combination of devices; and applicants disclaim any right to the exclusive use of the added matter, except in so far as it consists of their name and address.

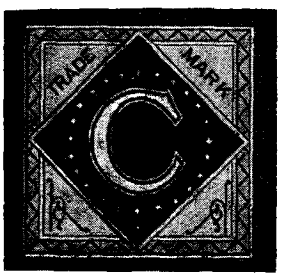
NAME.

THE BRITISH COLUMBIA PACKERS ASSOCIATION, of Vancouver, British Columbia.

No. of class: 42.
Description of goods: Tinned salmon.

No. of application: 5008.
Date: 10th November, 1904.

TRADE MARK.



The essential particular of the trade mark is the combination of devices; and any right to the exclusive use of the added matter is disclaimed.

NAME.

THE BRITISH COLUMBIA PACKERS ASSOCIATION, of Vancouver, British Columbia.

No. of class: 42.
Description of goods: Tinned salmon.

No. of application: 5010.
Date: 10th November, 1904.

TRADE MARK.

The essential particulars of the trade mark are the word "Unicorn" and the device; and any right to the exclusive use of the word "Brand" is disclaimed.

NAME.

THE BRITISH COLUMBIA PACKERS ASSOCIATION, of Vancouver, British Columbia.

No. of class: 42.
Description of goods: Tinned salmon.

No. of application: 5012.
Date: 10th November, 1904.

TRADE MARK.

The word

FINPIKE.

NAME.

GEORGE FINN, of 11, McFarlane Street, Wellington, New Zealand, Company Manager, and ARTHUR SELDON PIKE, of 168, Tinakori Road, Wellington aforesaid, Engineer.

No. of class: 13.
Description of goods: An egg carrier and tester manufactured partly of wire and partly of wood.

No. of application: 5013.
Date: 10th November, 1904.

TRADE MARK.

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

NAME.

EDWARD VERNON JONES, of 183, Gloucester Street, Christchurch, in the Colony of New Zealand, Confectioner.

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

No. of application: 5015.
Date: 12th November, 1904.

TRADE MARK.

The word

ENERGY.

NAME.

ERNEST CLOWES HADFIELD, trading under the name of "The Auckland Pure Food Company," of Upper Queen Street, Auckland, New Zealand.

No. of class: 42.
Description of goods: The article of food to be sold under the name of "Energy."

No. of application: 5016.
Date: 14th November, 1904.

TRADE MARK.

The word

MOA.

NAME.

H. E. SHACKLOCK, LIMITED, of Dunedin, New Zealand.

No. of class: 18.

Description of goods: Cooking-ranges.

No. of application: 5020.

Date: 14th November, 1904.

TRADE MARK.

NAME.

BROWNE BROS. AND GEDDES, of Stanley Street, Auckland, New Zealand, Confectioners.

No. of class: 42.

Description of goods: Confectionery.

No. of application: 5021.

Date: 14th November, 1904.

TRADE MARK.

The words

THE CRAB.

NAME.

GORDON INGRAM and CHARLES EDWIN THOMPSON, both of Lower Moutere, in the Provincial District of Nelson, New Zealand, Blacksmith and Farmer respectively.

No. of class: 7.

Description of goods: Wire-strainers.

F. WALDEGRAVE,
Registrar.

Restoration of Trade Mark to the Register.

THE following trade mark has been restored to the Register:—

No. 77/619.—C. E. W. Willeston, of Wellington, New Zealand.

F. WALDEGRAVE,
Registrar.

Trade Marks registered.

LIST of Trade Marks registered from the 10th November to the 23rd November, 1904, inclusive:—

No. 3815; 4409.—H. B. Williamson; Class 3. (*Gazette* No. 74, of the 1st September, 1904.)

No. 3816; 4859.—United Kingdom Tea Company, Limited; Class 42. (*Gazette* No. 74, of the 1st September, 1904.)

No. 3817; 4868.—J. Thorley, Limited; Class 42. (*Gazette* No. 74, of the 1st September, 1904.)

No. 3818; 4869.—J. Pearsall and Co.; Class 30. (*Gazette* No. 74, of the 1st September, 1904.)

No. 3819; 4870.—J. Pearsall and Co.; Class 30. (*Gazette* No. 74, of the 1st September, 1904.)

No. 3820; 4871.—Walker, Kempson, and Stevens, Limited; Class 38. (*Gazette* No. 74, of the 1st September, 1904.)

No. 3821; 4872.—Fleming, Birkby, and Goodall, Limited; Class 25. (*Gazette* No. 74, of the 1st September, 1904.)

No. 3822; 4874.—The Neuchatel Asphalte Company, Limited; Class 50. (*Gazette* No. 74, of the 1st September, 1904.)

No. 3823; 4879.—A. S. Paterson and Co.; Class 42. (*Gazette* No. 74 of the 1st September, 1904.)

No. 3824; 4812.—G. A. Bevan; Class 39. (*Gazette* No. 74, of the 1st September, 1904.)

No. 3825; 4818.—R. H. Bryant; Class 42. (*Gazette* No. 66, of the 4th August, 1904.)

No. 3826; 4878.—Thompson and Hills; Class 42. (*Gazette* No. 74, of the 1st September, 1904.)

No. 3827; 4508.—R. V. Webster; Class 42. (*Gazette* No. 6, of the 21st January, 1904.)

No. 3828; 4759.—R. Brown, Limited; Class 43. (*Gazette* No. 54, of the 23rd June, 1904.)

No. 3829; 4816.—E. F. Kennard; Class 22. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3830; 4833.—D. Benjamin and Co.; Class 39. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3831; 4848.—W. E. Reynolds and Co.; Class 22. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3832; 4864.—Ross and Glendining, Limited; Class 38. (*Gazette* No. 69, of the 18th August, 1904.)

No. 3833; 4876.—W. Scoular and Co.; Class 47. (*Gazette* No. 74, of the 1st September, 1904.)

No. 3834; 4609.—J. Grett; Class 42. (*Gazette* No. 28, of the 31st March, 1904.)

No. 3835; 4900.—Jonas Brook and Bros., Limited; Class 23. (*Gazette* No. 77, of the 15th September, 1904.)

No. 3836; 4836.—Rodriguez Argüelles y Ca.; Class 45. (*Gazette* No. 77, of the 15th September, 1904.)

No. 3837; 4893.—Svenska Centrifug Aktiebolaget; Class 7. (*Gazette* No. 77, of the 15th September, 1904.)

No. 3838; 4899.—Calorit Konservenerwarmüng Ohne Feuer, G.m.b.H.; Class 42. (*Gazette* No. 77, of the 15th September, 1904.)

No. 3839; 4902.—A. S. Paterson and Co.; Class 42. (*Gazette* No. 77, of the 15th September, 1904.)

F. WALDEGRAVE,
Registrar.

Trade Mark Renewal Fees paid.

FEES paid for the renewal of the undermentioned Trade Marks:—

For fourteen years from the 1st January, 1904:—

No. 77/619.—C. E. W. Willeston, of Wellington, New Zealand. 7th November, 1904.

For fourteen years from the 26th March, 1905.

No. 194/151.—R. C. Baker, of Hounslow, England. 22nd November, 1904.

F. WALDEGRAVE,
Registrar.

Subsequent Proprietor of Trade Mark registered.

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

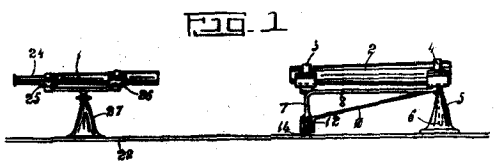
NOS. 3997-3149 and 3998-3150. British-American Tobacco Company, Limited, whose registered office is situated at Cecil Chambers, 86, Strand, London, England, Tobacco-manufacturers. [The American Tobacco Company.] 14th November, 1904.

F. WALDEGRAVE,
Registrar.

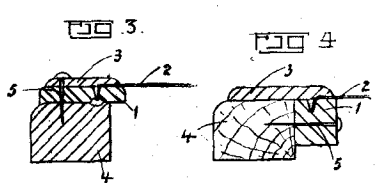
By Authority: JOHN MACKAY, Government Printer, Wellington.

ILLUSTRATIONS OF INVENTIONS.

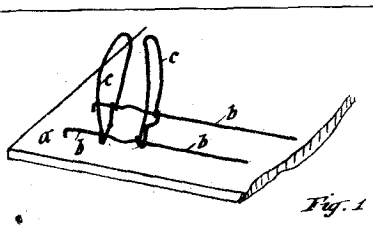
[These illustrations refer to the complete specifications accepted, and advertised in this *Gazette*.]



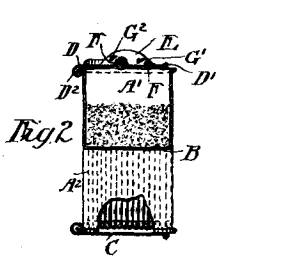
17496
Soulas. Telescope.



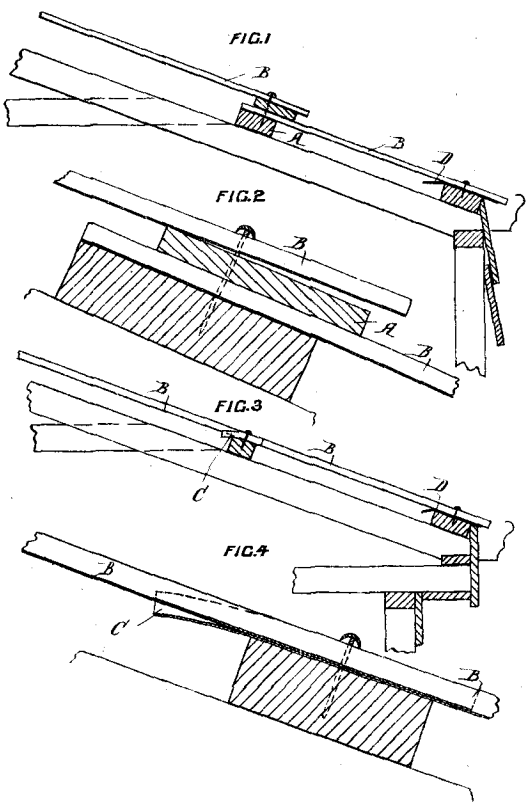
17647
Wilson and Worsley. Chair-seat.



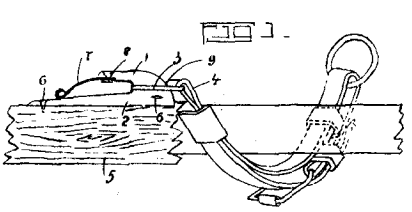
18382
Dawson. Egg-carrier.



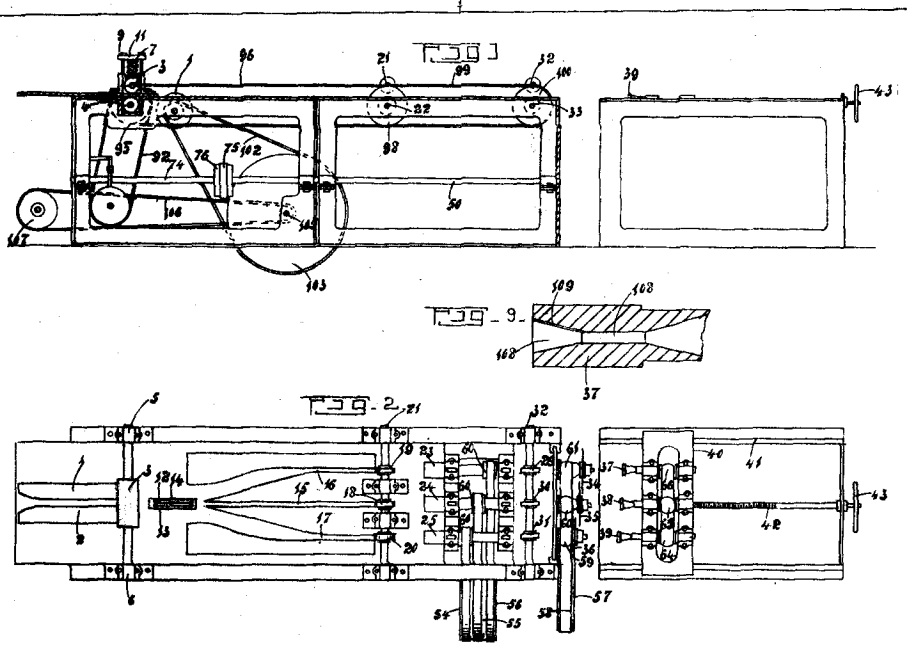
18629
Dugins. Match-box and Tobacco-cutter



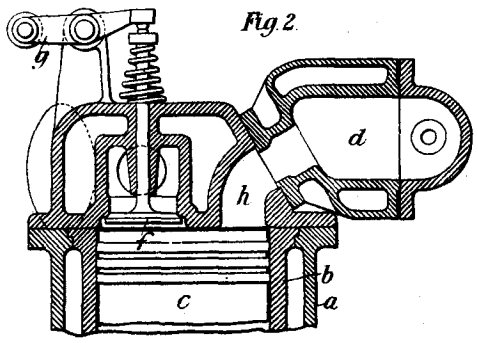
18654
Wrigley. Iron-roofing Fixer.



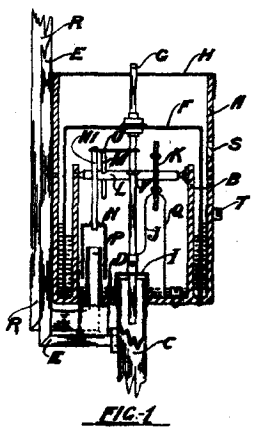
17629
Brake. Breeching-attacher.



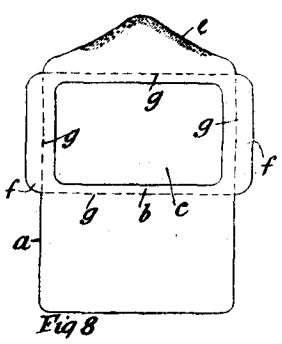
17379
Sellars. Skewer-maker.



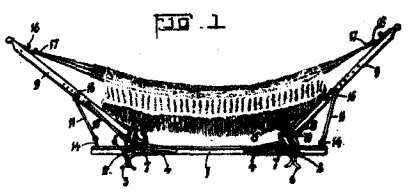
18633
Roberts, James, and Young. Internal-combustion Engine.



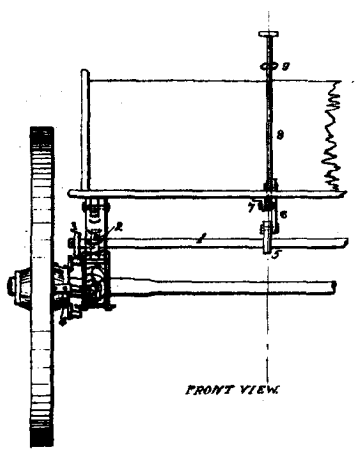
18661
Haenke. Gas Lighter and Extinguisher.



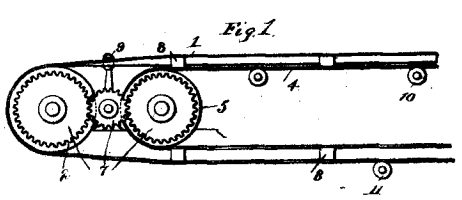
18699
Matheson. Postal Wrapper.



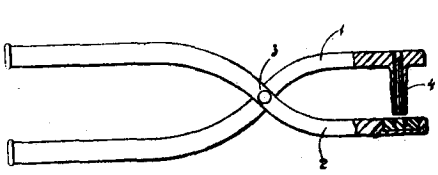
18647
Globe Proprietary Company (Limited). Hammock-support. (Littlejohn-Morehouse.)



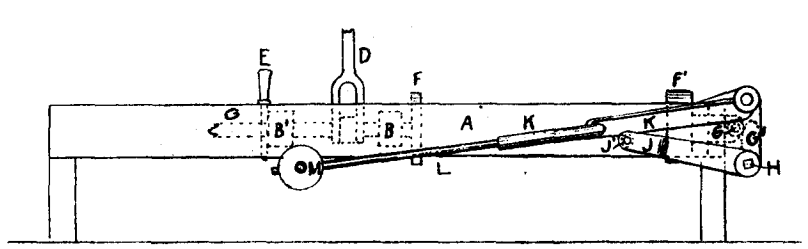
17446
Firth. Wheels-lock Horse-stopper.



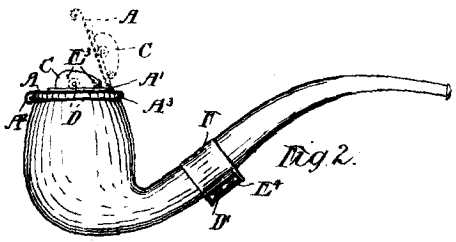
18648
Ridgway. Belt-conveyer.



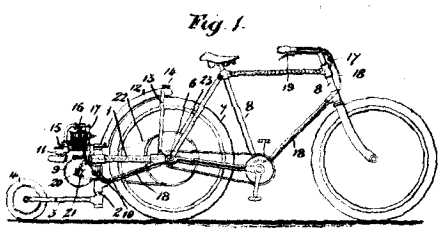
18685
Tinkham. Ear-punch.



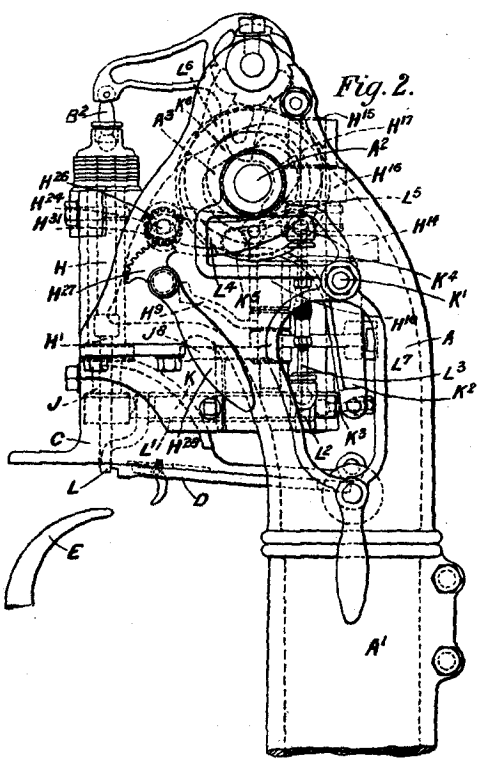
18651
Anderson. Cheese-press.



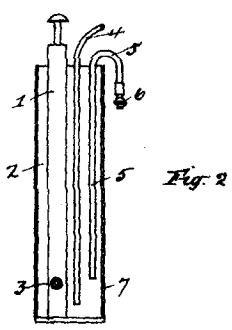
18628
Dugins. Tobacco-pipe.



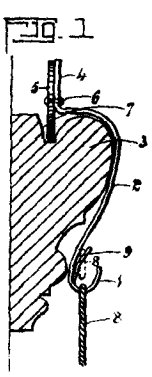
18623
Simpson. Propelling-apparatus for Vehicles.



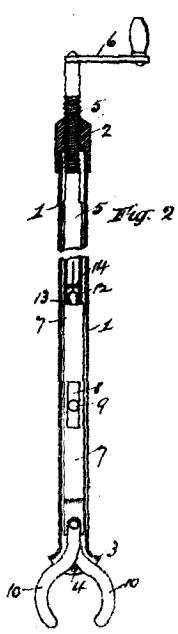
18625
United Shoe Machinery Company. Nailing-machine. (Brown.)



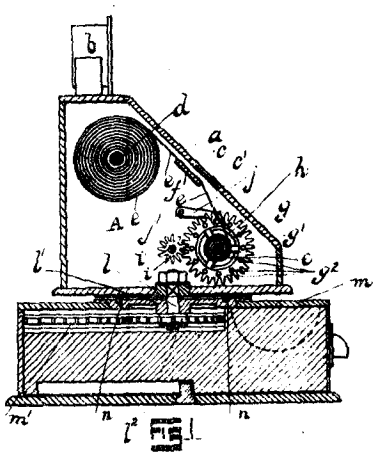
18659
Billens. Spray-pump.



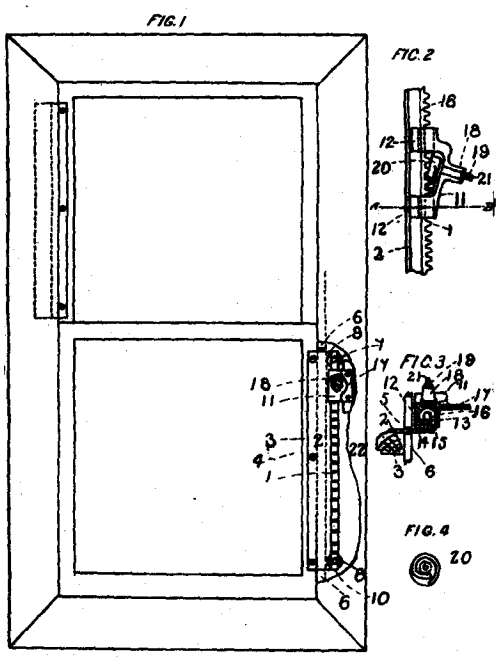
17480
Ramsay and McMurray. Picture-suspender.



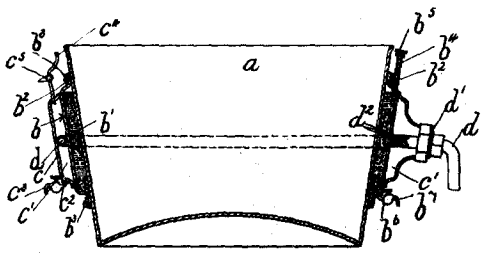
18656
Brake. Veterinary Appliance.



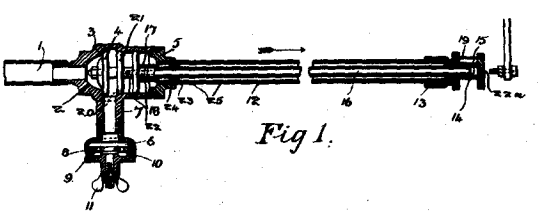
18611
Fletcher. Cash-register.



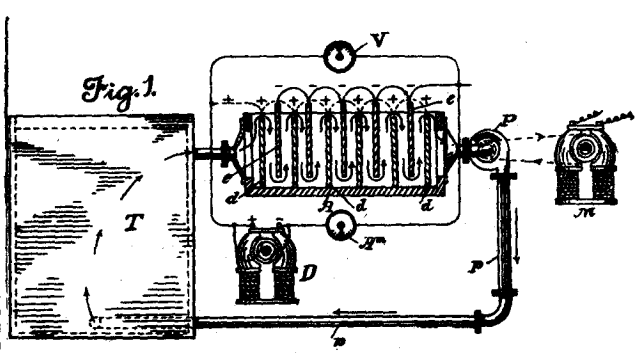
18547
A. L. Hewton. Sash Raiser and Lock. (J. O. Hewton.)



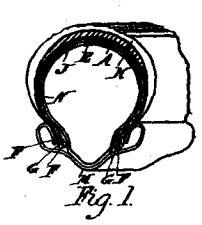
18612
Harding. Cheese-making Apparatus.



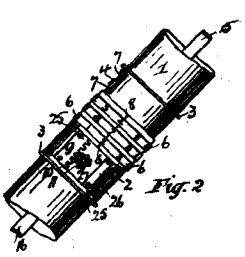
18632
Grimsley. Fire-extinguisher.



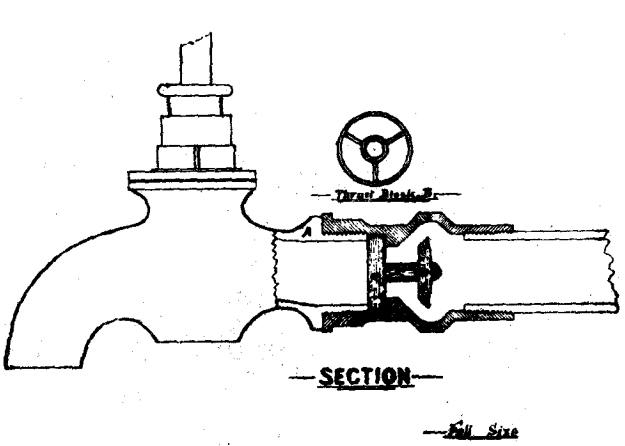
18638
Rich. Gold-saving. (Christy.)



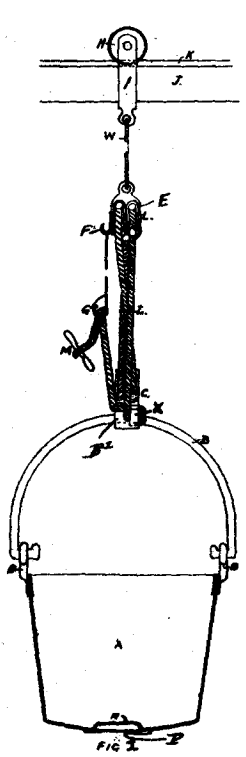
18631
Magnus. Pneumatic Tire.



18884
Fry. Bicycle-lock.



18593
Nixon and Jones. Valve.



18821
Davis. Clothes-strainer.