

SUPPLEMENT

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*Patent Laws of the World.*

VOLUMES containing the full text (in English) of the patent laws of the world have been placed in the Library for general information.

Supplements giving the particulars of any fresh legislation will be received from time to time and rendered available for public inspection.

F. WALDEGRAVE,  
Registrar.

*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 accepted up to 1st December, 1904.

Classified abridgments of inventions to 1900.

Illustrated Official Journal to February, 1905.

Trade Marks Journal to December, 1904.

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*Canada.*

Patent Office Record (containing illustrated abridgments of inventions) to September, 1904.\*

*Australian Commonwealth.*

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

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 February, 1905.†

OFFICIAL PUBLICATIONS.

The following publications may be obtained from the Government Printer, Wellington:—

Printed specifications to the end of the year 1879.

Annual lists of letters patent and letters of registration applied for, and particulars of applications lapsed, and patents lapsed, from 1880 to 1888 inclusive.

Annual reports of the Registrar, containing alphabetical lists of applicants for letters patent and of inventions patented from 1889 to 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.

\* These may be seen also at the public libraries, Auckland and Christchurch.

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

*Notice of Acceptance of Complete Specifications.*

Patent Office,  
Wellington, 22nd March, 1905.

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. 17631.—8th March, 1904.—WALTER SAMUEL COBHAM, of Wellington, New Zealand, Coachbuilder. Improvements in or relating to the wheels and axles of railway and tramway cars.\*

*Claims.*—(1.) The improved manner of and means for use in mounting the wheels of railway and tramway cars, substantially as described and explained, as illustrated in the drawings, and for the several purposes set forth. (2.) In railway and tramway cars, providing each wheel-bearing with a bush adapted to fit upon the end of the axle, collars fitting upon and secured to the axle one on each side of the wheel-boss, the outer collar being formed of two rings, the inner one of which is loose on the axle while the outer one is secured thereto, and a resilient cushion ring inserted between the two rings of such outer collar, substantially as specified.

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

No. 17718.—31st March, 1904.—WILLIAM EMMANUEL NAUNTON, Music-teacher, and THOMAS CLARK PALMER, Electrician, both of No. 6, Rae Street, North Fitzroy, near Melbourne, Australia. A new method of printing music and stave therefor.\*

*Extract from Specification.*—In carrying this invention into practice a sheet of music is ruled as illustrated in the drawings—figs. 1 and 2—with horizontal lines *h, j* corresponding with the two black keys C sharp D sharp on the pianoforte keyboard. Above the upper of these two lines is a space *k*, representing the two white keys E and F, whilst the short lines *l, m, n* respectively represent F sharp, G sharp, and A sharp. Short lines *p, q, r* will also be placed below the horizontal lines *h, j*, representing A sharp, G sharp, and F sharp respectively. It will be noticed that these short black lines arranged in groups or sets of two and three represent the two and three black keys on the keyboard of the piano. The notes are printed upon these lines or in the spaces between them, so that it is only necessary for the musician to play what he sees upon the music in front of him, and it is not necessary for him to be familiar with the theory or even the names of the notes, although, with this method, the sharps, flats, naturals, double sharps, double flats, and other accidentals may be shown upon the sheet if preferred.

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

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

No. 17745.—7th April, 1904.—CHARLES VALENTINE JENKINS, of Victoria Street, Lower Hutt, Wellington, New Zealand, Builder. An improved apparatus for producing optical effects.\*

*Claims.*—(1.) Apparatus for the purpose indicated, comprising, in combination, a series of leaves movably carried in a frame with their edges uppermost, said edges presenting an even surface upon which a device is printed, and means whereby the leaves are caused to return to a predetermined position, substantially as specified. (2.) Apparatus for the purpose indicated, comprising, in combination, a plurality of superposed leaves of paper or the like arranged so that their edges present an even surface upon which a device is printed, means for loosely connecting said leaves whereby they may be moved one upon the other and returned to a predetermined position, and apparatus for imparting movement to said leaves, substantially as specified. (3.) Apparatus for the purpose indicated, consisting of the parts arranged, combined, and operating substantially as and for the purposes specified and illustrated.

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

No. 17865.—18th May, 1904.—HORACE AUDLEY FRY, of Rivaka, Nelson, New Zealand, Farm-labourer. Means for use in teaching young calves to drink.\*

*Extract from Specification.*—The means devised consist of a rubber teat that is connected to a false bottom or base-piece capable of being removed therefrom. The false bottom is formed with a tubular centre projecting inwards into the teat when the false bottom is in position, and which is adapted to receive one end of a length of flexible piping; to the other end of this piping a funnel is attached.

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

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

No. 17881.—7th May, 1904.—PERCY ROBERT HUDSON, of No. 60, Castlereagh Street, Sydney, New South Wales, Australia, Mercantile Agent (assignee of Alfred Bruckner, of 42A, Lousbergstrasse, Aix-la Chapelle, Germany). Improvements in the construction of walls.\*

*Claims.*—(1.) A wall composed of hollow plates or slabs, each having a series of through-going channels and a series of channels partially extending through, and a binding-material arranged in said channels, substantially as described. (2.) A wall composed of hollow plates or slabs, each having a series of through-going channels and a series of channels partially extending through as specified, said through-going channels of the one slab corresponding with those of the adjacent slab, metal stays extending through said through-going channels, means for attaching same to the floor and ceiling, and a binding-material arranged in said channels around said stays, substantially as described. (3.) A wall composed of hollow plates or slabs, each having a series of through-going channels and a series of channels extending partially through them as specified, said through-going channels of the one slab corresponding with those of the adjacent slabs, metal stays extending through said channels, said stays being in sections, a sleeve to connect said sections having internal threads in opposite directions, and means for turning said sleeve and binding-material around said stay within said channels, substantially as described and shown and for the purpose specified.

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

No. 17882.—7th May, 1904.—DUGALD McDONALD ROBERTSON, of 277, South Belt, Christchurch, New Zealand, Storeman. An improved totalisator.\*

*Claims.*—(1.) For the purpose indicated, in combination, a frame adapted to contain tickets which are arranged vertically upon edge therein, a pivotal support for said frame which is turnable thereon to enable said tickets to be extracted, with spring means for maintaining the tickets vertically against the front of said frame, substantially as specified and illustrated. (2.) For the purpose indicated, in combination, a frame adapted to contain tickets which are arranged vertically upon edge therein, guides to receive an indicating-ticket upon the front of said frame, a pivotal support for said frame which is turnable thereon to enable the tickets to be extracted, with spring means for maintaining the tickets vertically against wings upon the front of said frame, substantially as specified and illustrated.

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

No. 17900.—11th May, 1904.—BERNARD FRANCIS DUNN, of Auckland, New Zealand, Cabinetmaker. Means for automatically scouring the bottoms of rivers or harbours to prevent the silting-up thereof.\*

*Claims.*—(1.) Means for automatically scouring the bottoms of rivers or harbours, the same consisting of a harrow composed of a number of links loosely articulated together, a number of floats to which the harrow is connected by chains, and a number of anchors or weights similarly connected to the harrow, substantially as specified. (2.) The means for automatically scouring the bottoms of rivers or harbours, substantially as described and explained, and as illustrated in the drawings.

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

No. 17982.—25th May, 1904.—FREDERICK CAPILL BROWN, Mine-superintendent, and SAMUEL DOUGLAS McMIKEN, Battery-manager, both of Komata, Auckland, New Zealand. Improvements relating to apparatus for circulating and mixing crushed ore or other materials in a liquid or semi-liquid state.\*

[NOTE.—The title in this case has been altered. (See list of provisional specifications, *Gazette* No. 54, of the 23rd June, 1904.)

*Claims.*—(1.) The method of treating sand-slimes or the like in metallurgical or similar operations by circulating and mixing the materials by means of air or gas without the aid of mechanical agitators in the manner specified for the purpose set forth, substantially as described and illustrated. (2.) The apparatus described for agitating, circulating, and mixing materials in metallurgical or similar operations by the aid of compressed air or gas without the aid of mechanical agitators or beaters, for the purpose set forth, substantially as described and illustrated. (3.) The apparatus consisting of the tank having a central pipe arranged therein in combination with means for introducing liquid and for distributing and discharging the same, and for supplying air to the same, substantially as and for the purpose specified. (4.) In apparatus of the kind specified, the devices consisting in one or more circular tubes or pipes fitted with nozzles or taps through which liquid is discharged and delivered into the conical part of the tank for the purpose set forth, substantially as and for the purpose specified.

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

No. 17993.—31st May, 1904.—GEORGE SEATON STEVENSON, of Gore, New Zealand, Threshing-mill Owner. Improvements in water-wheels.\*

*Claims.*—(1.) Improvements in water-wheels, comprising an adjusting water-wheel running loosely on the same shaft to which the larger power water-wheel is keyed, and mechanism whereby on the water rising and revolving said adjusting-wheel said shaft with its attachments rises, and on the falling of the water said shaft with its attachments descends, substantially as described. (2.) Improvements in water-wheels, comprising, in combination, two pillars erected athwart or in the current, lower and upper horizontal shafts mounted between said pillars and journalled in vertical beams slidable in guides on said pillars, a large water-wheel keyed to said lower shaft, a small water-wheel running loosely on said lower shaft, racks formed in said vertical beams, pinions on said upper shaft engaging in said racks, large and small sprocket-wheels secured to said upper and lower shafts respectively, and a chain connecting said sprocket-wheels, substantially as and for the purposes set forth. (3.) The general construction, arrangement, and combination of parts composing my improvements in water-wheels, all substantially as and for the purposes described.

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

No. 18021.—10th June, 1904.—FRANCIS TEMPLE PAGE, of Dannevirke, Hawke's Bay, New Zealand, Gentleman. An improved shackle.\*

*Claims.*—(1.) The improved shackle, the same consisting of a length of wire formed into a loop at its centre, and with its ends bent round so as to form a link on each side of the loop, and the extremities of which are adapted to enter the loop from the opposite sides thereof and to be gripped therein, substantially as specified. (2.) The improved shackle, substantially as described and explained, and as illustrated in the drawings.

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

No. 18357.—23rd August, 1904.—WILLIAM MEDLIN RICHARDS, of Walton Street, off Boggo Road, Brisbane, Queensland, Australia, Assurance Manager; CHARLES JUDAH COHEN, of Fitzroy Street, Rockhampton, Queensland aforesaid, Assurance Manager; and ROBERT THOMAS, of Denham Street, Rockhampton aforesaid, Conveyancer. An automatic dry-earth closet.\*

*Claims.*—(1.) Close-fitting half-lids covering pan, meeting in centre of top of pan. (2.) Perpendicular strikers attached to raised seat, acting on projecting ends of lids, to raise lids off pan when seat is pressed down, lids falling back on pan when weight is removed from seat; thus pan is always closed when not in use, preventing odours arising and insects and vermin of all descriptions entering pan. (3.) An earth-shoot at back of seat leading over pan, hopper at top for earth, double-action slide to emit certain quantity of earth attached by connecting-rod to hand-lever working in a bracket on wall, allowing excrement to be covered before rising by certain quantity of earth.

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

No. 18499.—26th September, 1904.—THOMAS CHARLES HEMENT, of Hereford Street, Christchurch, New Zealand, Engineer. Improved ridging.\*

*Claim.*—Improved ridging, the raised stamped heads along each side longitudinally of the ridging at intervals.

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

No. 18663.—27th October, 1904.—GEORGE ALFRED ELLISS, of Lithgow, Monoline-operator, and PATRICK JOSEPH MCGUIRE, of Goulburn, Gentleman, both of New South Wales, Australia. Improvements in billiard-tables.

*Claims.*—(1.) A billiard-table attachment consisting of a pair of inclined side races, a corresponding pair of end races connecting therewith, a central receiving-pocket situated at the "balk" end of the table, with another receiving-pocket at the "spot" end, and a cord or wire extending beneath the table for the purpose of releasing the ball from the central receiving-pocket, substantially as described and as illustrated. (2.) In a billiard-table attachment, a pair of inclined side races, a corresponding pair of end races connecting therewith, a central receiving-pocket situated at the "balk" end of the table, a longitudinal race underlying the centre of the table and connecting the central receiving-pocket at the "balk" end of the table with another receiving-pocket at the "spot" end, and a cord or wire extending beneath the table for the purpose of releasing the ball from the central receiving-pocket, all in combination with a billiard-table of ordinary construction, substantially as described and as illustrated.

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

No. 18805.—5th January, 1904.—ROBERT CLARK, of Rossett, Wanstead, Essex, England, Managing Director of a Company. Improvements in the manufacture of blank books.

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

*Claims.*—(1.) The manufacture of blank books of the type having rubbered elastic backs by automatically perforating and folding and (if desired) ruling a continuous web of paper on the line of said perforations to produce the desired serrated back, substantially as described. (2.) The manufacture of blank books of the type having rubbered elastic backs by automatically perforating and folding on the line of said perforations to produce the desired serrated back, a continuous web of paper which is simultaneously numbered and (if desired) printed, and also perforated and ruled, and is finally cut into sheets, substantially as described.

(Specification, 2s. 6d.)

No. 19101.—18th February, 1905.—ROBERT NOBLE ADAMS, Publisher, and ALFRED REGINALD HARDY, Accountant, both of Dunedin, New Zealand. Improved sash mover and lock.

*Claims.*—(1.) The general construction, arrangement, and combination of parts composing our sash mover and lock, all substantially as and for the purposes set forth. (2.) In a sash mover and lock such as described, a locking-plate provided with projecting pieces and a slot, as illustrated in Fig. 4, substantially as and for the purposes set forth. (3.) In a sash mover and lock such as described, means for rotating and locking the sliding spindle thereof, comprising, in combination, said sliding spindle having a slot and a channel in the outer end thereof, a key pivoted at one end in said slot and lying in said channel, a spiral spring between the channel and said key, a locking-washer for the free end of said key, a crank-handle slidable on said spindle, and a thumb-screw for said crank-handle and key, substantially as described.

(Specification, 4s. 6d. ; drawings, 3s.)

No. 19104.—17th February, 1905.—EDWARD ALLEN PRESTON, of Workshops Estate, North Ipswich, Queensland, Australia, Railway-coachbuilder. A process for decarbonising enamelled-iron reflectors and removing stains from domestic and other enamelled ironware.

*Extract from Specification.*—The object of this invention is the restitution of carbonised and stained enamelled ironware to its normal condition, and is particularly applicable to the removal of the carbon absorbed by gas-reflectors and the stains from urinals, and consists in subjecting carbonised articles to a heat of about 600 degrees Fahrenheit and stained articles to about 800 degrees Fahrenheit in any type of oven capable of generating the required heat.

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

(Specification, 1s.)

No. 19106.—19th December, 1904.—JOHN RAMAGE, of Balclutha, New Zealand, Plumber. Improvements in acetylene-gas generators and holders.

*Claims.*—(1.) The general construction, arrangement, and combination of parts composing my improvements in acety-

lene-gas generators and holders, all substantially as and for the purposes set forth. (2.) In an acetylene-gas generator and holder of the class described, a series of carbide-chambers, each having two receptacles with a water-pipe in the outer receptacle, having its upper end nearly at the top thereof and the other end opening at the base thereof, and two opposite holes in the partition between the receptacles a little lower than the upper end of the water-pipe, substantially as described. (3.) In an acetylene-gas generator and holder of the class described, a generator comprising an outer chamber in which a bell slides, said outer chamber containing a series of carbide-chambers such as described superimposed in a receptacle, and means for supplying water to said carbide chambers whereby the carbide is exhausted from the topmost to the lowermost chamber in succession, substantially as described. (4.) In an acetylene-gas generator and holder of the class described, a gas-holder provided with a water outlet-pipe near the top thereof, and extending to the generator, said outlet-pipe being opened and closed by a valve actuated by mechanism between it and the bell of the gas-holder, whereby the carbide-chambers are automatically supplied with the exact quantity of water to suit the number of lights, substantially as described.

(Specification, 5s. 3d. ; drawings, 2s.)

No. 19118.—22nd February, 1905.—ALWIN HUGO EUSEBIUS FISCHER, of North Adelaide, South Australia, Plumber. Improved heating-plates for jacketed water-heaters and for the flues thereof.

*Extract from Specification.*—I construct the jacket of my water-heaters of an outside cylinder A and an inner cylinder B, but instead of forming the inner cylinder in the usual manner by rounding up a plain sheet of metal I form the same by repeatedly turning the metal alternately inwards and outwards as shown in the drawings, and thereby forming any desired number of thin water-spaces C, which projecting into the heating-chamber of the furnace of a water-heater, or into the flue which conducts the heated air from the furnace, very materially increase the heating-power and effectiveness of the water-heater.

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

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

No. 19119.—22nd February, 1905.—ALFRED SPAULDING PATTERSON, of 570-576, Bourke Street, Melbourne, Victoria, Australia, Manager of the Massey-Harris Company, Limited (nominees of Lyman Melvin Jones, Robert Henry Verity, and Charles McLeod, all of No. 915, King Street West, Toronto, Ontario, Canada, Manufacturers). Improvements in mowers.

*Extract from Specification.*—The object of this invention is to improve the general construction of the mower, and it consists essentially (1) of improvements in the means of carrying the cutter-bar, (2) of improvements in the guide or wearing plates for the heel of the knife, (3) of improvements in the guard or shield for balance crank, (4) of improvements in the adjustment of the pitman, and (5) of certain improvements in the swathboard of the divider by which its liability to injury by contact with obstructions is greatly lessened, and a better track is made for the inner shoe on its next round, all substantially as more specifically described and then definitely claimed.

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

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

No. 19121.—10th August, 1904.—RICHARD KNOWLES PARKERSON, of Ealing, Canterbury, New Zealand, Sheep-farmer. An improved water-motor.

*Extract from Specification.*—This invention provides an improved water-motor for employment more particularly in rivers and watercourses having a rapid current. The motor comprises a series of vanes or floats carried upon endless chains working over sprocket wheels or drums. Two of the sprocket-wheels are fixed upon each of two horizontal shafts arranged at a convenient distance apart, and the chains connect the opposing sprockets upon the respective shafts. The vanes are connected to the chains in such manner that they lie approximately horizontal when out of the water, and upon entering the water turn over with their faces in a plain at right angles to the current. The shafts are journalled in bearings carried upon pontoons floating upon the water, or

upon piers of masonry or the like. There may be a plurality of sets of apparatus as above outlined arranged side by side and connected to form one motor.

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

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

No. 19126.—23rd February, 1905.—GEORGE SKAATS MAYHEW, of 2, Basinghall Avenue, in the City and County of London, England, Engineer. Improvements in or relating to machinery for sawing and planing.

*Claims.*—(1.) In a machine for sawing thin slices from deals or planks and planing said slices on both sides, an adjustable guide provided with evening and smoothing planes and friction and feeding rollers respectively adapted to even and smooth the slicing-face of the deal and to move it forwards against a saw arranged at the end of said guide, and a spreader adapted to separate the slice from the deal as it is cut by said saw and to lead it to an adjustable guide provided with friction and feeding rollers adapted to move the slice forward through its guide, and smoothing-planes adapted to smooth the back face of said slice, substantially as described. (2.) In a machine for sawing thin slices from deals or planks and planing said slices on both sides, a bed-plate provided with a slot adapted to form a guide for the deal in which one side is formed in sections provided with friction-rollers and evening and smoothing planes adapted to even and smooth the slicing-face of the deal, while the other side of said slot is formed in one piece adapted to be adjusted according to the thickness of the deal and provided with feeding-rollers adapted to feed the deal forwards against a saw arranged at the end of the said guide slot, and a spreader adapted to separate the slice from the deal as it is cut by said saw and to lead it to an adjustable guide provided on the one side with friction-rollers and smoothing-planes adapted to smooth off the saw-marks from the back face of the slice, and on the other side with feeding-rollers adapted to feed the slice forward through said guide as it comes off the deal, substantially as described. (3.) In a sawing and planing machine of the character described, a cutter-head adapted to be automatically operated by a full-sized deal to move across the guide slot to groove the head of the deal, and means for automatically returning the said cutter-head to its position beneath the table after said deal-head has been grooved, substantially as and for the purpose described. (4.) In a sawing and planing machine of the character described, an adjustable spreader adapted to separate the slice from the deal as it is cut by the saw, substantially as and for the purpose described. (5.) In a sawing and planing machine of the character described, an adjustable frame adapted to form a bearing for the back face of the deal beyond the end of the guide, and means for locking said frame in position, substantially as described and shown in Fig. 9 of the drawings. (6.) In a sawing and planing machine, the construction and arrangement of parts substantially as described and shown in the drawings.

(Specification, 10s. ; drawings, 3s.)

No. 19132.—24th February, 1905.—FRANK DUNNINGTON HOPKINS, of San Francisco, California, United States of America, Inventor. Improvements in gun-sights.

*Claims.*—(1.) A gun-sight having a spot surrounded by a visually contrasting field. (2.) A gun-sight having a spot surrounded by a field of contrasting colour. (3.) A gun-sight having a black spot surrounded by a white field.

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

No. 19134.—25th February, 1905.—EDWIN D. BILHAM, of Waimata, Gisborne, Auckland, New Zealand, Station-master. Improvements in fencing-standards.

*Extract from Specification.*—The standard is made of angle iron or steel notched to receive the wires of the fence and pointed at one end. A thrust-plate of angle iron or steel is provided with a hole through which the standard is passed after the plate has been sunk slightly below the surface of the ground. Where the tendency of the strain of the wires is to force the standard into the ground I provide holes near the pointed end of the standard and other holes in the thrust-plate through which a piece of wire is threaded. The standard is thus united to the plate, which offers a large surface to the ground.

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

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

No. 19141.—24th February, 1905.—FRANCIS WILLIAM PAYNE, of Dunedin, New Zealand, Consulting Engineer. Improved power-transmission by cable or rope for driving moving machinery at a distance.

*Claims.*—(1.) In movable machinery afloat, such as dredging machinery driven from machinery on shore by an endless rope, in combination with said dredge and said rope, a trolley capable of running on rails a sufficient distance to allow for the movements of said dredge, water under pressure being brought to a motor on said trolley which is balance-weighted for tension on the driving-rope, all substantially as shown on the drawings, and as explained and described. (2.) In movable machinery afloat, such as dredging machinery driven from machinery on shore by an endless rope, in combination with said dredge and said rope, a trolley having a driving-wheel on the end of a swinging frame, moving a sufficient distance to allow for the movements of said dredge, water under pressure being brought to a motor on said trolley, said swinging frame being counterbalanced for tension on the driving-rope, all substantially as described and explained, and as illustrated in the drawings. (3.) In movable machinery, the driving of same by the means set forth through a cable or driving-rope from a power-station at a distance, allowance being made for the movements of the driven machine, all substantially as set forth.

(Specification, 5s. 6d.; drawings, 3s.)

No. 19149.—28th February, 1905.—GEORGE HUTCHINSON, of Seatoun, Wellington, New Zealand, Inventor. Improvements in milking machinery.

*Extract from Specification.*—My improvements are in connection with—(1.) The teat-presses: These still have the collapsible pouches surrounded by an inflexible outer wall, but the outer wall of the press is now in two parts, one part being hinged upon the other whereby it may be turned downwardly to facilitate the placing of the teat between the pouches and to permit the pouches to be drawn horizontally backwards and out of the outer wall for cleaning purposes. The pouches of my teat-presses are now constructed in the following manner: Two corresponding rubber frames have superposed sockets at each end. The upper sockets receive the upper or "grip" pouches, and the lower or "follower" pouches are formed by encasing each of the frames, thereby enclosing the grip pouches. The two frames of a press are connected together at their forward ends. The two grip pouches are connected by a bell-mouthed tube with the same fluid-supply pipe, and the two follower pouches are also connected by a similar tube with another supply-pipe. (2.) Collecting the milk from a series of teat-presses: I use a shute which is adjustably mounted upon a jointed arm, giving freedom of movement in all directions; a swivel-jointed tube connects the shute with a receptacle; and means are provided for straining the milk and preventing splash.

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

(Specification, 7s.; drawings, 5s.)

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, 22nd March, 1905.

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

No. 18681.—13th March, 1905.—ALEXANDER LOWE, of Globe Mine, Reefton, New Zealand, Engineer. Improvements in links of endless chains.

No. 18964.—11th January, 1905.—JOHN PETERS, of Wairoa, Pokokomuka, *vid* Dannevirke, New Zealand, Farmer. An egg-beater.

No. 18968.—18th February, 1905.—CHARLES ALEXANDER KIDD, of Epsom, Auckland, New Zealand, Engineer. Improvements in or relating to motor-car or other vehicle tires.

No. 19012.—31st January, 1905.—ALEXANDER PARKER, of Dannevirke, New Zealand, Engineer. An improved voting-machine.

No. 19036.—6th February, 1905.—JOHN GREENSLADE, of Prebbleton, Canterbury, New Zealand, Engineer. Improvements in spring wheels for motor-cars or other vehicles.

No. 19037.—6th February, 1905.—JOHN GREENSLADE, of Prebbleton, Canterbury, New Zealand, Engineer. Improvements in spring wheels for motor-cars or other vehicles.

No. 19044.—4th February, 1905.—JAMES DUNBAR, of Invercargill, New Zealand, Mechanical Engineer. Improvements in ventilators and fasteners for windows.

No. 19046.—6th February, 1905.—FRANK VICTOR RAYMOND, of Invercargill, New Zealand, Solicitor. Improvements in flax-milling machinery.

No. 19058.—8th February, 1905.—ROBERT WESTON, of 110, Huxley Street, Sydenham, New Zealand, Pattern-cutter. Ventilated cycle-cuff.

No. 19087.—15th February, 1905.—ANDREW ANDERSON, of the Canterbury Foundry, Christchurch, New Zealand, Civil Engineer, and WILLIAM GRAHAM JAMESON, of West Belt, Lower Riccarton, Christchurch, New Zealand, Contractor. A self-locking point or switch for overhead rails for freezing-works.

No. 19088.—16th February, 1905.—NEWTON ROBERTS GORDON, of 106, Cardigan Street, Carlton, Victoria, Australia, Engineer. Improvements in projector-machines for producing representations of living movements on a screen.

No. 19095.—17th February, 1905.—WILLIAM PHILLIPS, of Princess Terrace, Newtown, Wellington, New Zealand. Improvements in branding meat.

No. 19105.—20th February, 1905.—THOMAS WILLIAM PATCHETT, of Main Street, Blenheim, New Zealand, Plumber. Self-closing sash-fastener.

No. 19108.—20th February, 1905.—ARTHUR TREADWELL, of Foxton, Wellington, New Zealand, Farmer. An improved machine for cleaning tramway-rails.

No. 19114.—30th January, 1905.—GEORGE WELCH EDWARDS, of Avenal, Invercargill, New Zealand, Flax-miller (nominee of Samuel Edward Dennison, of Invercargill aforesaid, Engineer). Improved apparatus for wet stripping, washing, and bleaching New Zealand flax.

No. 19116.—22nd February, 1905.—ROBERT LOW, of Wellington, New Zealand, Builder. Improvement in means for preventing the rattling of windows.

No. 19123.—23rd February, 1905.—ALEXANDER JOHN MILLER, of "Tarlee," Orrong Road, Toorak, Victoria, Australia, Gentleman. An improved meat-extract compound and process for manufacturing same.

No. 19125.—20th February, 1905.—FREDERICK WALTER PATERSON, of Dunedin, New Zealand, Boatbuilder. Improvements in jug-covers.

No. 19131.—22nd February, 1905.—STEPHEN PRIEST, the younger, of Rooke Street, West Devonport, Tasmania, Australia, Architect. An improved wall-tie, or means for holding together the two divisions of cavity brick walls.

No. 19133.—24th February, 1905.—CHARLES MILLS, of 33, Ferry Road, Woolston, near Christchurch, New Zealand, Painter and Glazier. Improved adjustable window-bracket.

No. 19137.—25th February, 1905.—FREDERICK WILLIAM GARDINER, of Wellington, New Zealand, Importer. An improved vamping-attachment to pianofortes.

No. 19140.—24th February, 1905.—ROBERT GLENDINING, of Dunedin, New Zealand, Warehouseman, and GEORGE BEAUMONT, of Roslyn Mills, New Zealand, Foreman. Improvements in and relating to the positive take-up roller of looms.

No. 19142.—24th February, 1905.—JOHN THOMSON, of Invercargill, New Zealand, Draper. Improvements in tires for vehicle-wheels.

No. 19143.—27th February, 1905.—RICHARD HENRY LAMBETH, of Nith Street, Invercargill, New Zealand, Ironmonger's Assistant. Improved wire-straining apparatus.

No. 19144.—27th February, 1905.—JOHN WILLIAM ROGERS, of Wellington, New Zealand, Carpenter. An improved cover for washing-boilers.

No. 19145.—27th February, 1905.—TEWI TIAMANA RAWHITI, of Hamilton, New Zealand, Private Secretary. Improvements in or relating to wagon-poles.

No. 19146.—25th February, 1905.—ROBERT RUTHERFORD DOUGLAS, of Dunedin, New Zealand, Engineer. Improvements in pins.

No. 19147.—28th February, 1905.—ROBERT HENRY CROOK, of 82, William Street, Melbourne, Victoria, Australia, Inventor. Means of utilising tidal energy for operating machinery.

No. 19148.—28th February, 1905.—LUIGI DOMANICO MATTASSI, of 82, William Street, Melbourne, Victoria, Australia, Hawker. Improvements in or connected with hooks and links of chains.

No. 19151.—27th February, 1905.—FREDERICK CORNELIUS ABLETT, of Waltham Road, Sydenham, Christchurch, New Zealand, Painter and Decorator. Perambulator and go-cart brake.

No. 19152.—1st March, 1905.—WILLIAM ELIGAH STUBBORN MACKAY, of No. 286, Toorak Road, South Yarra, Victoria, Australia, Engineer; GEORGE EDWARD HOWARD, of No. 54, Argo Street, South Yarra aforesaid, Grocer; and JAMES ABSALOM TURNER, of No. 163, Mandurah Road, Fremantle, Western Australia, temporarily residing at Melbourne, Victoria aforesaid, Master Baker. Improvements in and connected with doors for lifts, lift-shafts, and for other purposes.

No. 19153.—1st March, 1905.—ALEXANDER GILLIES, of Terang, Victoria, Australia, Dairyman. Improvements in pneumatic teat-cups.

No. 19157.—1st March, 1905.—EDWARD DUNCAN RICHARDS, of Palmerston North, New Zealand, Agent (nominee of John Algen Belk, of Feilding, New Zealand, Engineer). Improved method of joining the rails of railways and the like.

No. 19159.—1st March, 1905.—RONALD SMITH BADGER, of Christchurch, New Zealand, Advertising Agent. Improvements in and connected with invoice forms.

No. 19160.—1st March, 1905.—THOMAS MICHAEL MORRISSEY, of Ashburton, New Zealand, Manager. Improvements connected with bicycles to adapt the same for use upon a railway-rail.

No. 19161.—2nd March, 1905.—GEORGE THOMPSON PRITCHARD, of 42, River-bank, Wanganui, New Zealand, Gentleman. Danger-signalling apparatus for railway-crossings.

No. 19162.—3rd March, 1905.—WALTER WHYTE, of 24A, Vivian Street, Wellington, New Zealand, Tramway-motorman. A trolley-head protector.

No. 19164.—3rd March, 1905.—HUGH MCFADYEN DOUGLAS, of 47, Willis Street, Wellington, New Zealand, Bookbinder, Paper-ruler, and Account-book Manufacturer. Improvements in loose-leaf account books.

No. 19166.—4th March, 1905.—CHARLES DAVY, of Wanganui, New Zealand, Land Surveyor and Engineer. An improved sleeper and mould therefor.

No. 19167.—6th March, 1905.—JAMES GRAY, of care of Reid and Gray, of Dunedin, New Zealand, Engineer. Improvements in machines for sowing seeds, manure, and the like.

No. 19169.—6th March, 1905.—HARRY HARDING, of Highfields, Hauiti, Hawke's Bay, New Zealand, Carpenter. An improved wire-strainer.

No. 19183.—9th March, 1905.—GEORGE MAKER NELSON, of Smith Street, Warragul, Victoria, Australia, Agent, and RICHARD CLEGHORN, of Seymour Road, Elsternwick, Victoria aforesaid, Traveller. Improvements in disc and other ploughs.

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 March to the 22nd March, 1905, inclusive:—

Nil.

F. WALDEGRAVE,  
Registrar.

#### Letters Patent on which Fees have been paid.

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

##### SECOND-TERM FEES.

NO. 13332.—J. Jamison, brake for cable tram. 11th March, 1905.

No. 13471.—A. W. Maconochie, tin for preserved food. 9th March, 1905.

No. 13478.—G. Hall, ear-marking appliance. 10th March, 1905.

No. 13486.—Solar Motor Company, solar generator (A. G. Eneas). 18th March, 1905.

No. 13508.—O. C. Beale and C. J. Vader, wrest-pin for piano. 9th March, 1905.

##### THIRD-TERM FEES.

No. 10450.—A. Robertson, horse-cover. 20th March, 1905.

No. 10457.—The Haskin Wood Vulcanising Company, Limited, treating wood (S. E. Haskin). 18th March, 1905.

No. 10462.—S. Barningham, E. T. O'Connell, and T. McCormack, cooking-range. 16th March, 1905.

No. 10546.—F. T. Page, wire-strainer. 8th March, 1905.  
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. 15061.—John Sharp, the younger, and Thomas Rainey, both of Ladbroke, in the Provincial District of Canterbury, in the Colony of New Zealand, Farmers (registered as proprietors of one-fourth share or interest), Supplying steam and air to furnaces. [G. Claydon.] 10th March, 1905.

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 to the 22nd March, 1905, inclusive:—

No. 17887.—G. Cheverton and J. T. Johnson, export package or case.

No. 17889.—T. Hall and F. Elvines, non-siltable mat.

No. 17893.—E. D. Richards, hammock (F. E. A. Gordon).

No. 17894.—J. H. Harrison and W. M. McIlwrick, hand-shears.

No. 17896.—I. F. Witting, destruction of bacteria in milk.

No. 17899.—N. Guthridge, Limited, shaking-table or concentrator (W. L. and F. S. Card).

No. 17909.—J. Turnbull and S. Nicolson, compound for manufacture of boot-soles, tires, &c.

No. 17910.—A. McLeod, diving-dress.

No. 17912.—T. Boulton, fence.

No. 17914.—J. T. Harris, boot-lace fastenings.

No. 17915.—F. W. Paterson, vote-recorder.

No. 17916.—W. Wood, pie-making machine.

No. 17920.—G. Pluck, cow-leg holder.

No. 17921.—E. Dugan, power-transmitter (F. J. Corbett).

No. 17926.—A. M. Bauckham, securing clothes on line.

No. 17929.—J. W., J. S., and W. H. Faulkner, life-saver for tramcar.

No. 17931.—D. McKenzie, wire mattress.

No. 17933.—A. V. Philip and H. Hoverd, tire-cover.

No. 17935.—W. Snedden, plough and harrow.

No. 17937.—H. E. Mitchell, mattress.

No. 17938.—P. B. Ross, spring stirrup-iron.

No. 17939.—H. Harrison, attachment to jig-saw machine.

No. 17941.—F. Cooper, tip wagon.

No. 17942.—F. Cooper, loading trucks with metal.

No. 17944.—T. W. May, water-closet flush.

No. 17963.—W. R. Crook, tire-cover.

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 to the 22nd March, 1905, inclusive:—

No. 17360.—C. Stringfellow, button-fastener.

No. 17394.—R. Baxter, oil-emulsion.

F. WALDEGRAVE,  
Registrar.

#### Applications for Letters Patent lapsed.

LIST of applications lapsed owing to Letters Patent not being sealed, from the 9th to the 22nd March, 1905, inclusive:—

No. 16928.—A. J. McPharlin, cutting incisions in gum-trees.

No. 16934.—F. Shrimpton, securing staples of riding-saddles.

No. 16937.—H. H. Hilliard and A. Priddle, tent.

No. 16966.—A. and J. P. Calvert, utensil for measuring liquids.

No. 16970.—A. McDonald, vat churn.

No. 16985.—J. Robertson, tail-grip for cattle.  
 No. 16986.—C. D. Brent, hairpin.  
 No. 16989.—W. E. Hughes, hose-coupling.  
 No. 16994.—J. Sanderson, guttering bracket.  
 No. 16995.—F. H. Hatherly and G. N. H. Johnson, advertising-medium.  
 No. 16998.—F. L. Carr, jun., optical illusions.  
 No. 17010.—E. Smith, stopping hole in ship's hull under water.

F. WALDEGRAVE,  
 Registrar.

No. 13251.—G. J. Hoskins, making cores of pipes.  
 No. 13255.—The British Westinghouse Electric and Manufacturing Company, Limited, igniting-mechanism for internal-combustion engines. (J. P. Campbell—W. A. Bole.)  
 No. 13256.—J. S. Beeman, automatic feed-mechanism.  
 No. 13260.—J. Long, bench-vice.  
 No. 13262.—The Gare Patent Tire and Wheel Company, Limited, elastic tire. (T. Gare.)  
 No. 13264.—The Linotype Company, Limited, linotype machine. (E. Waters, jun.—The Linotype Company, Limited—I. Hall.)

THROUGH NON-PAYMENT OF THIRD-TERM FEES.

No. 10222.—The General Gold-extracting Company, Limited, and L. Pelatan, ore-treatment.

F. WALDEGRAVE,  
 Registrar.

Letters Patent void.

LETTERS Patent void through non-payment of renewal fees from the 9th to the 22nd March, 1905, inclusive:—

THROUGH NON-PAYMENT OF SECOND-TERM FEES.

No. 13230.—J. J. Daily, boot or shoe.  
 No. 13239.—A. H. Bennett and S. Jones, lighting gas-burners.  
 No. 13240.—A. C. Aucher, corkscrew.  
 No. 13241.—A. C. Aucher, oil-burner for heating.  
 No. 13242.—A. C. Aucher, gas-igniter.  
 No. 13243.—A. C. Aucher, oil- and gas-engine igniter.  
 No. 13244.—A. C. Aucher, gas-lighting.  
 No. 13245.—The British Motor Traction Company, Limited, motor-vehicle. (C. Jarrott.)  
 No. 13246.—J. P. and J. Simon, boot for deformed feet.  
 No. 13250.—W. Nepean-Hutchison, H. S. Harden, and H. Colley, nightsoil-cart.

Designs registered.

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

No. 226.—G. A. Coles and Co., of Exmouth Street, Eden Terrace, Auckland, in the Colony of New Zealand, Boot-manufacturers; Class 6. 21st February, 1905.

Nos. 227 and 228.—H. A. Nielsen and Son, of Auckland, in the Provincial District of Auckland and Colony of New Zealand, Lapidaries and Jewellers; Classes 1 and 3. 18th March, 1905.

F. WALDEGRAVE,  
 Registrar.

Applications for Registration of Trade Marks.

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: 5030.

Date: 22nd November, 1904.

TRADE MARK.



The essential particular of the trade mark is the distinctive label; and applicant company disclaims any right to the exclusive use of the added matter, save and except its name.

NAME.

CALIFORNIA FIG SYRUP COMPANY (INCORPORATED), of 392-398, Church Street, San Francisco, United States of America, and of 32, Snow Hill, London, England, Manufacturing Chemists.

No. of class: 3.

Description of goods: Chemical substances prepared for use in medicine and pharmacy.

No. of application: 5032.

Date: 22nd November, 1904.

TRADE MARK.



NAME.

CALIFORNIA FIG SYRUP COMPANY (INCORPORATED), of 392-398, Church Street, San Francisco, United States of America, and of 32, Snow Hill, London, England, Manufacturing Chemists.

No. of class: 3.

Description of goods: Chemical substances prepared for use in medicine and pharmacy.

No. of application: 5130.

Date: 24th January, 1905.

TRADE MARK.

The word

KO-OP.

NAME.

HAYWARD BROS., LIMITED, of Christchurch, New Zealand, Pickle and Sauce Manufacturers.

No. of class: 42.

Description of goods: Substances used as food or as ingredients in food, except poultry and eggs.

No. of application: 5165.

Date: 16th February, 1905.

TRADE MARK.



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

NAME.

GEORGE PERCIVAL DE CASTRO, of Paeroa, Auckland, in the Colony of New Zealand, Manufacturing Chemist.

No. of class: 1.

Description of goods: Chemical substances used in manufactures, photography, or philosophical research.

No. of application: 5166.

Date: 16th February, 1905.

TRADE MARK.

(The mark as shown in preceding notice, No. 5165.)

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

NAME.

GEORGE PERCIVAL DE CASTRO, of Paeroa, Auckland, in the Colony of New Zealand, Manufacturing Chemist.

No. of class: 2.

Description of goods: Chemical substances used for agricultural, horticultural, veterinary, and sanitary purposes.

No. of application: 5167.

Date: 16th February, 1905.

TRADE MARK.

(The mark as shown in preceding notice, No. 5165.)

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

NAME.

GEORGE PERCIVAL DE CASTRO, of Paeroa, Auckland, in the Colony of New Zealand, Manufacturing Chemist.

No. of class: 3.

Description of goods: Chemical substances prepared for use in medicine and pharmacy.

No. of application: 5177.

Date: 22nd February, 1905.

TRADE MARK.

The words

PERDIZ'S LA ESTRELLA.

The applicant claims that the said trade mark has been in use by him in respect of the articles mentioned for many years before the 1st January, 1890.

NAME.

HENRY EDWARD PARTRIDGE, trading as "H. E. Partridge and Co.," of Auckland, New Zealand, Tobacco-merchants.

No. of class: 45.

Description of goods: Cigars.



No. of application: 5187.  
Date: 1st March, 1905.

TRADE MARK.



NAME.

The firm trading as "MACROBERTSON," of Argyle Street, Fitzroy, in the State of Victoria, Commonwealth of Australia, Manufacturers.

No. of class: 42.

Description of goods: Substances used as food or as ingredients in food.

No. of application: 5188.  
Date: 2nd March, 1905.

TRADE MARK.

The word

"NEUCHATEL."

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.

NAME.

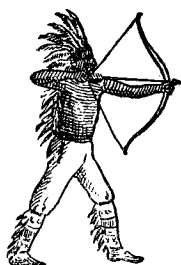
THE NEUCHATEL ASPHALTE COMPANY, LIMITED, of Wellington, in the Colony of New Zealand.

No. of class: 17.

Description of goods: Asphalte.

No. of application: 5189.  
Date: 6th March, 1905.

TRADE MARK.



WYANDOTTE

NAME.

The persons trading as "HENRY W. PEABODY AND Co.," New York, in the United States of America; London, England; and Sydney, New South Wales, Australia, Merchants.

No. of class: 47.

Description of goods: Detergents, specially cleansing powder for household and factory and other purposes.

No. of application: 5190.  
Date: 6th March, 1905.

TRADE MARK.

(The mark as shown in preceding notice, No. 5165.)

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

NAME.

GEORGE PERCIVAL DE CASTRO, of Paeroa, Auckland, in the Colony of New Zealand, Manufacturing Chemist.

No. of class: 42.

Description of goods: Butter-preservative.

No. of application: 5192.  
Date: 7th March, 1905.

TRADE MARK.

The words

OLD MULL.

NAME.

JOHN HOPKINS AND Co., of Tobermory Distillery, Island of Mull, Scotland, and of 79, Mark Lane, London, England, Distillers.

No. of class: 43.

Description of goods: Whisky.

No. of application: 5193.  
Date: 7th March, 1905.

TRADE MARK.

The word

PYNOL.

NAME.

HARRY WILFRED MANNING, of Auckland, in the Colony of New Zealand, Chemist.

No. of class: 3.

Description of goods: Chemical substances prepared for use in medicine and pharmacy.

F. WALDEGRAVE,  
Registrar.

Trade Marks registered.

LIST of Trade Marks registered from the 9th to the 22nd March, 1905, inclusive:—  
No. 3994; 5060.—Marechal, Ruchon, and Co., Limited; Class 50. (*Gazette* No. 98, of the 8th December, 1904.)  
No. 3995; 5042.—Ross and Glendining, Limited; Class 38. (*Gazette* No. 98, of the 8th December, 1904.)

No. 3996; 5068.—G. E. Bailey; Class 42. (*Gazette* No. 102, of the 22nd December, 1904.)

No. 3997; 5076.—A. Rogers; Class 3. (*Gazette* No. 102, of the 22nd December, 1904.)

No. 3998; 5090.—Marechal, Ruchon, and Co., Limited; Class 50. (*Gazette* No. 3, of the 12th January, 1905.)

No. 3999; 5084.—E. Spinner and Co.; Class 24. (*Gazette* No. 3, of the 12th January, 1905.)

No. 4000; 5085.—H. Clay, and Bock and Co., Limited; Class 45. (*Gazette* No. 3, of the 12th January, 1905.)

No. 4001; 5087.—C. W. Ziele; Class 50. (*Gazette* No. 3, of the 12th January, 1905.)

No. 4002; 5092.—The Solurol (Thymic Acid) Company, Limited; Class 3. (*Gazette* No. 3, of the 12th January, 1905.)

No. 4003; 5070.—T. Inglis; Class 6. (*Gazette* No. 3, of the 12th January, 1905.)

No. 4004; 5094.—R. Wilson and Co.; Class 42. (*Gazette* No. 3, of the 12th January, 1905.)

No. 4005; 5095.—R. Wilson and Co.; Class 42. (*Gazette* No. 3, of the 12th January, 1905.)

F. WALDEGRAVE,  
Registrar.

*Subsequent Proprietors of Trade Marks registered.*

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

NO. 84/1851 (four trade marks).—Mitchell and Co., of Belfast, Limited, whose registered office is at Belfast, in the County of Antrim, Ireland, Distillers. [Mitchell and Co.] 10th March, 1905.

No. 122/89.—Worthington Pump Company, Limited, of 153, Queen Victoria Street, London, E.C., England, Manufacturers of Pumping Machinery. [The Worthington Pumping-engine Company.] 10th March, 1905.

No. 903/697.—C. and J. Clark, Limited, of Street, in the County of Somerset, England. [C. and J. Clark.] 10th March, 1905.

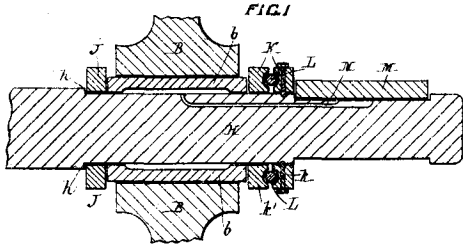
No. 4075/3260.—The British Lysoform Company, Limited, whose registered office is situate at Horsley Down Lane, Tower Bridge, in the County of London, England, Manufacturers of Disinfectants. [Lysoform Gesellschaft mit Beschränkter Haftung.] 10th March, 1905.

F. WALDEGRAVE,  
Registrar.

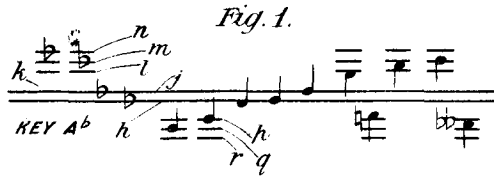
By Authority: JOHN MACKAY, Government Printer, Wellington.

# ILLUSTRATIONS OF INVENTIONS.

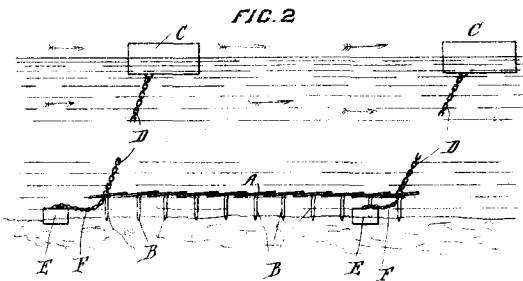
[These illustrations refer to the complete specifications accepted, and advertised in this *Gazette*.]



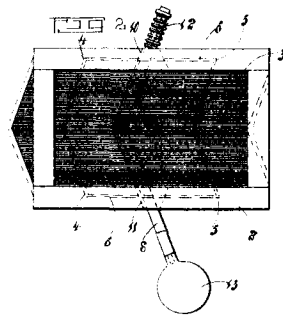
17631  
Cobham. Wheel.



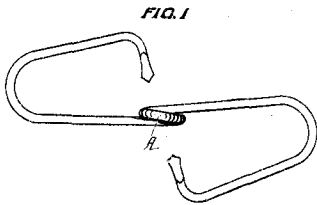
17718  
Naunton and Palmer. Printing Music.



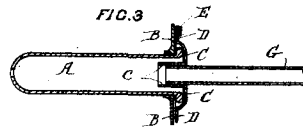
17900  
Dunn. River-scourer.



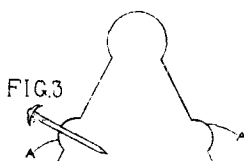
17745  
Jenkins. Optical-effects Producer.



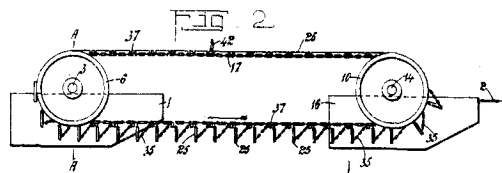
18021  
Page. Shackle.



17865  
Fry. Teaching Calves to Drink.



18499  
Hement. Ridging.



19121  
Parkerson. Water-motor.

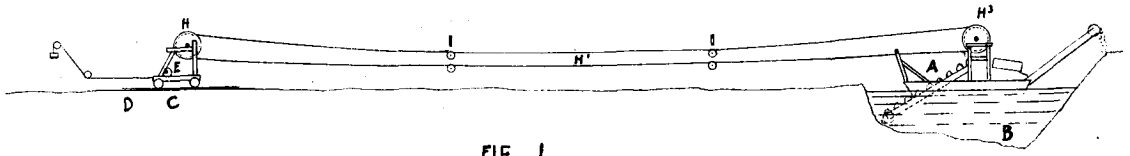
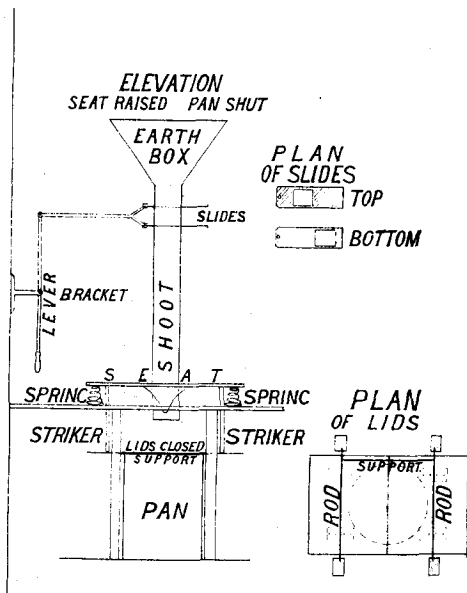
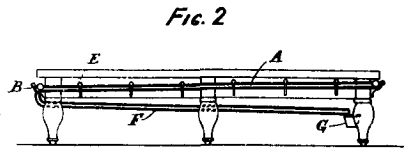


FIG. 1

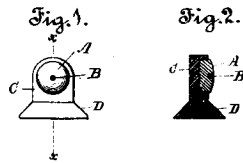
19141  
Payne. Power Transmission.



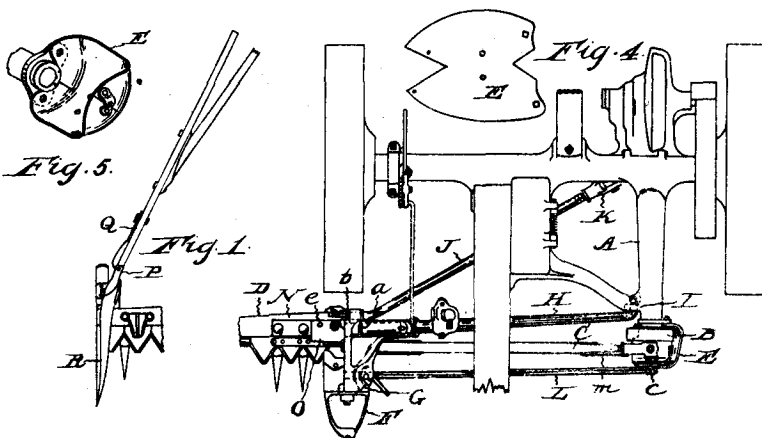
18357  
Richards, Cohen, and Thomas. Earth Closet.



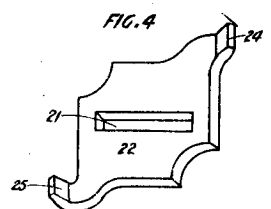
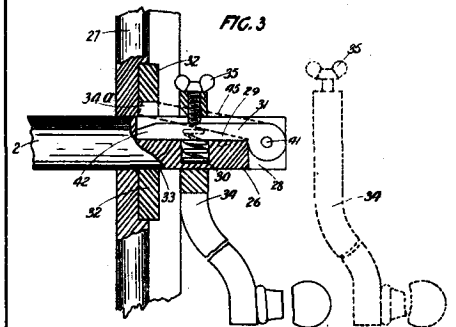
18663  
Elliss and McGuire. Billiard-table.



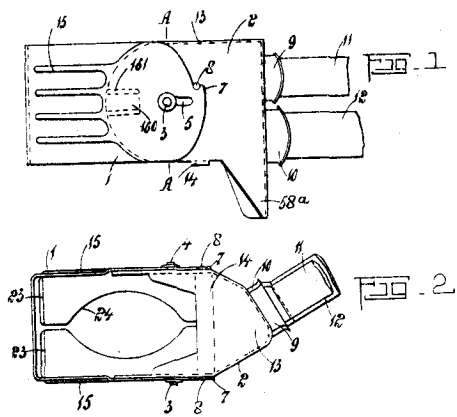
19132  
Hopkins. Gun-sight.



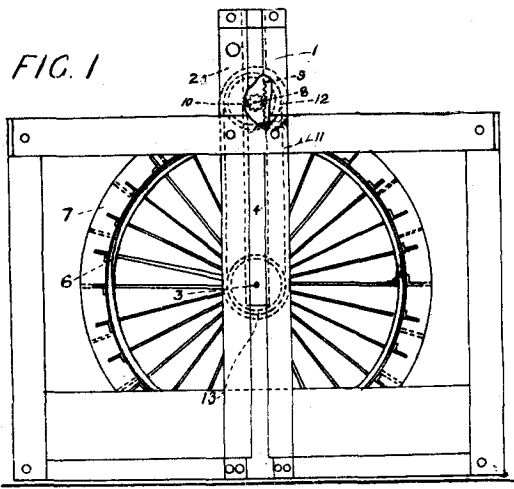
19119  
Patterson, Mower. (Jones, Verity, and McLeod.)



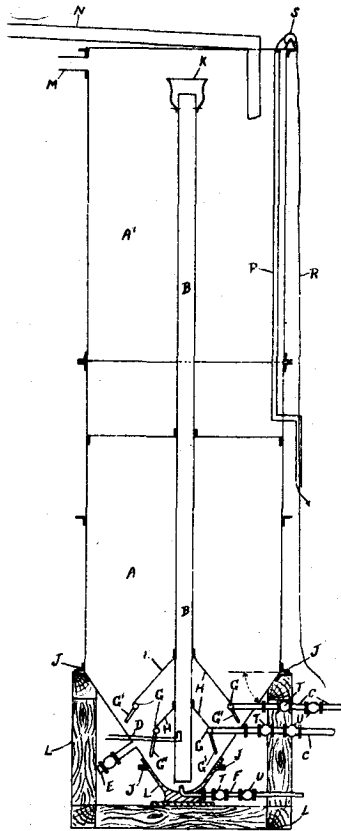
19101  
Adams and Hardy. Sash Mover and Lock.



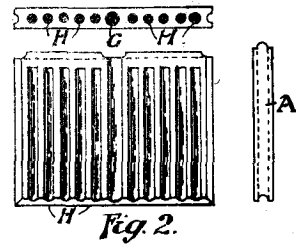
19149  
Hutchinson. Milking-machinery.



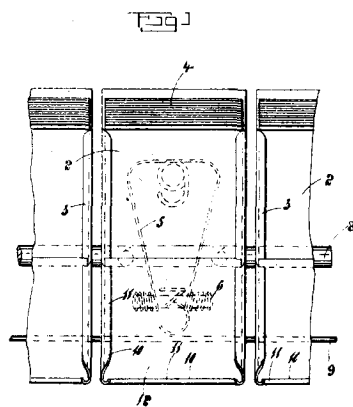
17993  
Stevenson. Water-wheel.



17982  
Brown and McMillen. Ore Circulator and Mixer.



17881  
Hudson. Wall. (Bruckner.)



17882  
Robertson. Totalisator.

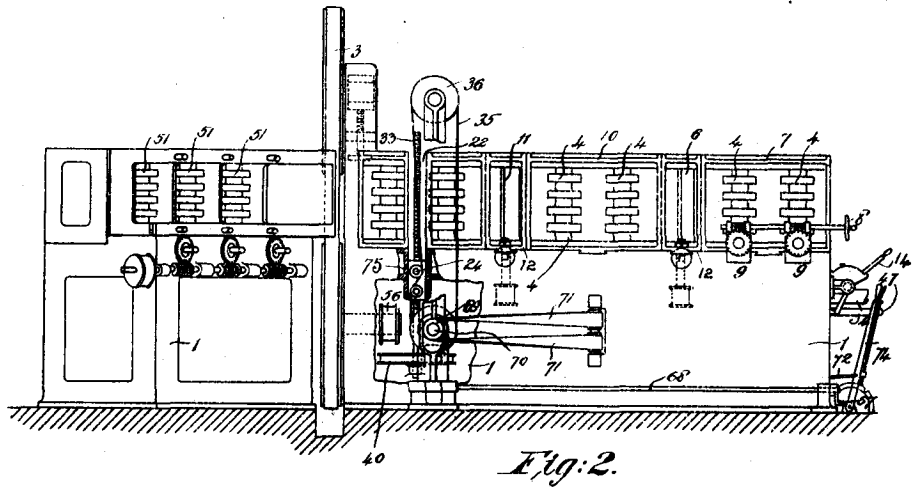
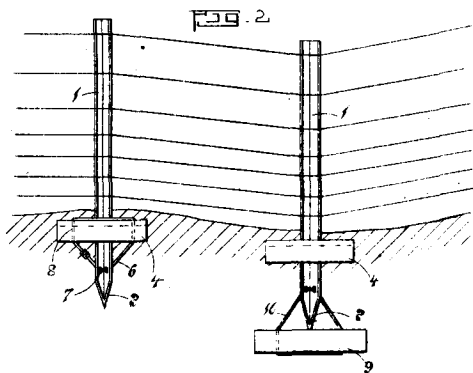
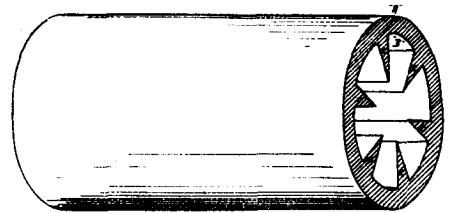


Fig. 2.

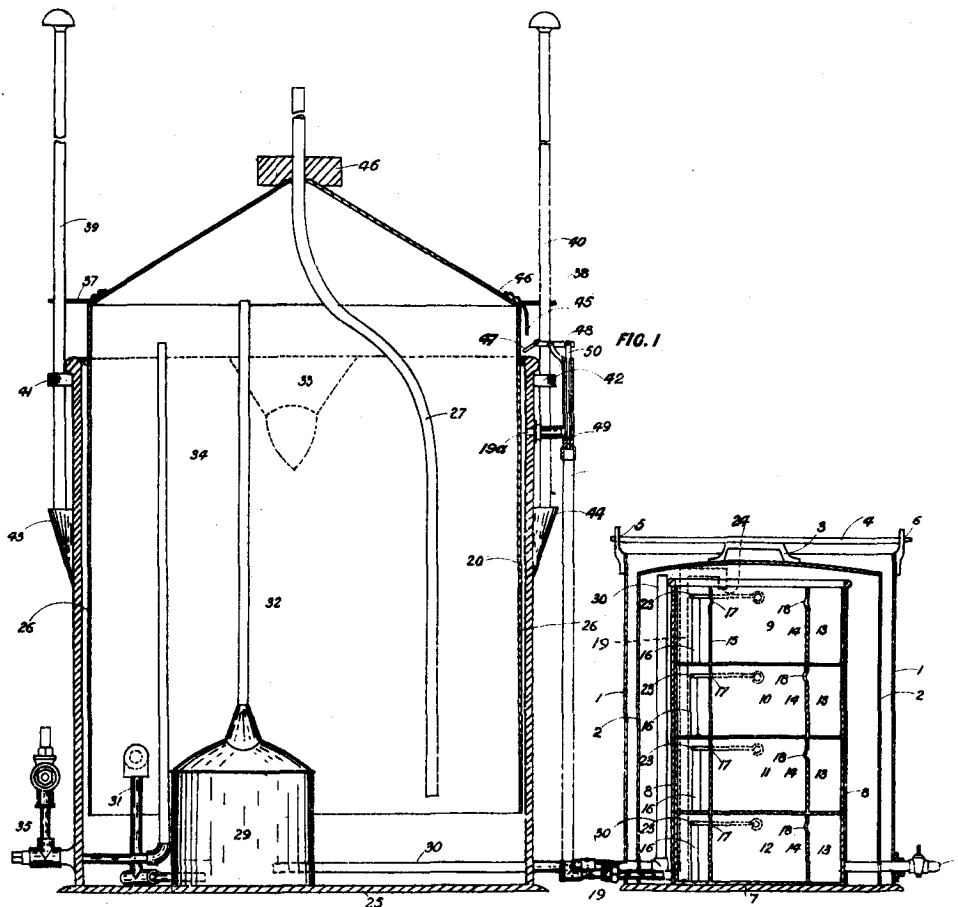
19126  
Mayhew. Sawing and Planing Machinery.



19184  
Bilham. Fencing-standard.



19118  
Fischer. Water-heater.



19106  
Ramage. Acetylene Generator and Holder.