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CONTENTS:

Note.—Throughout this *Gazette* the names in Italics within parentheses are those of Communicators of Inventions.

Complete Specifications.

Patent Office, Perth,
28th November, 1902.

NOTICE is hereby given that the undermentioned Applications for the Grant of Letters Patent, and the complete Specifications annexed thereto, have been *accepted,* and are now open to public inspection at this Office.

Any person or persons intending to oppose such applications must leave particulars, in writing, in duplicate (on Form D), of his or their objections thereto, within two calendar months from the date of this *Gazette.* A fee of Ten shillings (10s.) is payable with such notice.

Application No. 4088.—JOB SELWOOD, of Castle Street, Parkside, in the State of South Australia, Commonwealth of Australia, Evangelist, "*Improved method of and Apparatus for Purifying and Heating Feed Water to prevent the incrustation of steam boilers and to economize fuel.*"—Dated 20th October, 1902.

Claims:—

1. The herein described method of purifying and heating feed water consisting in causing the intimate commingling within a suitable chamber and adjacent to one side thereof of a spray of cold water and a current of steam whereby the mineral and other impurities of the water are thrown out in the form of scum the purified water being drawn off from adjacent to the spray and the scum being caused by the boiling of the water to pass to a scum space on the other side of the chamber from which it is removed as necessary, substantially as described.
2. The herein described apparatus consisting in a steam boiler, a cold water supply, a purifying chamber, and an impregnating tank with suitable pipe connections and fittings by means of which cold water is fed from the said supply into the purifying chamber in a conical spray and is met by an oppositely flowing current of steam the resulting hot water being drawn off from adjacent to the spray to the impregnating tank where it is impregnated with an incrustation preventing composition and cooled to a suitable temperature for feeding into the boiler the scum containing the impurities of the purifying chamber being caused to pass over to a scum-collector which has a separate outlet for its removal.
3. In process and apparatus for treating feed water such as hereinbefore described the employment in an intermediate impregnating tank of wattle bark as and for the purpose set forth.
4. In a purifying chamber, a cold water supply pipe and a steam supply pipe arranged with their delivery openings opposed, a vertical water break, a delivery pipe for the purified water, a scum pipe and tap communicating with the space behind the water break and an escape pipe and baffle plate all substantially as described and for the purpose set forth.
5. The improved method of purifying and heating feed water consisting in causing the intimate commingling within a suitable chamber and adjacent to one side thereof of a spray of cold water and a current of steam whereby the mineral and other impurities of the water are thrown out in a scum, the purified water passing from the chamber at a point adjacent to the spray and previous to being fed to the boiler passing through an impregnating tank wherein is placed a composition containing wattle bark substantially as described.

Specification, 9s, Drawings on application.

Application No. 4090.—ALFRED GODFREY, of 14 Havergal Villas, Green Lanes, Wood Green, London, N., England, Engineer, "*An improved Machine for Wrapping and Packing Cigarettes and like goods.*"—Dated 21st October, 1901.

Claims:—

1. A combined machine for packing cigarettes and like goods in an inner tray or slide, and an outer case or shell of cardboard, paper or like material, consisting of automatic devices all operated from a single first motion shaft, so arranged as to accurately cut and feed the material for the shells from a reel or to receive the same in rectangular cut blanks, to press and form the same into an open rectangular shell, to glue and close the same, and to deliver them in succession to a successive series of packed and closed inner slides or trays, to pack the tray or shell with a definite quantity of cigarettes or the like, naked or wrapped, in one or two layers, to feed the same, when packed and closed, into the firmly glued rectangular shell and to deliver the completely packed tray and case with the cigarettes closely packed therein, ready for market, substantially as herein described and illustrated.
2. In a machine for packing cigarettes and the like as claimed in Claim 1, a feeding apparatus for the material for the shells from a continuous roll, having a device for clamping the sheet before and whilst shearing and unwinding from the reel; a device by which a feed finger first closes down and engages with a perforation in the material, and then draws it a required distance to the shears; and means for adjustment of the operating levers of the feed motion to alter the length and position of the feed, substantially as described and illustrated in figures 5 and 6.
3. In a machine for packing cigarettes and the like as claimed in Claim 1, a reciprocating die for folding up a blank piece of paper or card into a containing case or shell, characterised by the table, under the die, being formed of two spring shutters, one of which is so spring-pressed as to be drawn away from the die when in lowest position, and is provided with a trigger action from the die so as to be brought back again to the horizontal position, the matrix below the die having on two faces, detent springs to prevent the folded card from rising in the die, substantially as described and illustrated in figures 7 and 8.
4. In a machine for packing cigarettes and the like as claimed in Claim 1, the arrangement of the reciprocating bed and the sides of the channel with face-springs let in at definite intervals for causing the shell to advance with the reciprocating bed in one direction, and to be prevented from returning with the said bed, in combination with spring-pressed hinged fingers on each side of the channel, to bend over both flaps of the card case or shell, ready for gluing, substantially as described and illustrated in figures 7a and 8a.
5. In a machine for packing cigarettes and the like as claimed in Claim 1 the arrangement of a horizontal reciprocating rod or rods for pressing down the top folds of the shell, with a vertical plate depending therefrom acting as an anvil to resist the pressure of the gluing roller upon the inside edge of the open flap, and serving thereafter to press down the glued flap upon the other one, substantially as described and illustrated in figures 1 and 2.
6. In a machine for packing cigarettes and like goods, as claimed in Claim 1, a reciprocating glue box moving to and away from the shells as they pass before it, with revolving roller taking up the glue and having two adjustable knives adapted to such roller, one to adjust the required film of glue allowed to issue on the roller, and the other to scrape and remove the hardened film of glue from the roller before taking up a fresh charge, substantially as described and illustrated in figures 4 and 9a.
7. In a machine for packing cigarettes and like goods as claimed in Claim 1, a heating block, adapted to be heated by small gas jet or other means and fitted to a vertically descending bar so as to press upon the glued joint of the shell or case and dry it, substantially as described and illustrated in figures 1 and 2.
8. In a machine for packing cigarettes and like goods, as claimed in Claim 1, the arrangement upon intermittently moving and locked pressing rolls of studs slightly projecting from their periphery whereby the formed shell or case is stripped from an internal mandril or "former," in combination with levers depressing the top of the shell after being removed from the mandril or "former" so that the mandril upon its return stroke may push the shell before it to meet the internal packed slide, substantially as described and illustrated in figures 1, 2, and 3.
9. In a machine for packing cigarettes and like goods as claimed in Claim 1, a reciprocating plate for receiving cigarettes and like goods from sloping shute and for conveying the same under a reciprocating packer head and leaving the same suspended under the packer head until released into a tray or slide, situated under said packer head, substantially as described and illustrated in figures 11 and 18.

10. In a machine for packing cigarettes and like goods, as claimed in Claim 1, the arrangement of the receiver or hopper with a moving pivotted front end, above the orifice of egress, having stroking brushes attached thereto, in combination with a fixed step on the floor of the hopper to permit small quantity of goods only to roll over towards the orifice of egress, substantially as described and illustrated in figures 19 and 20.

11. In a machine for packing cigarettes and like goods as claimed in Claim 1, the arrangement on a reciprocating packing plunger of spring pressed plates with inwardly-turned edges for supporting the cigarettes or goods, in one layer or two, and adapted to lower the same towards the tray or slide, until released by further downward movement of the plunger, laying the goods in the tray or slide, substantially as described and illustrated in figures 12, 13, and 14.

12. In a machine for packing cigarettes and like goods as claimed in Claim 1, a spring pressed additional head to the packer plunger so arranged with vertical rack and spring bell that the said additional head on meeting an undue accumulation of cigarettes or other obstruction will indicate the same audibly by ringing the bell, substantially as described and illustrated in figures 12 and 13.

13. In a machine for packing cigarettes or like goods as claimed in Claim 1, the arrangement of duplicate shutes and hoppers for the delivery of the cigarettes or goods on either side of the packer, and a duplicate pushing plate to push a second layer of cigarettes or goods, upon the first layer already deposited under the packer head from the other side, substantially as described and illustrated in figures 10 and 11.

14. In a machine for packing cigarettes or like goods, as claimed in Claim 1 the arrangement of the side delivery levers, discharging the completely packed shells and internal slides, so that they will gauge the exact condition of the perfectly formed boxes and in case of irregularity will indicate the same by ringing a mechanical spring bell, substantially as described and illustrated in figures 10 and 11.

15. In a machine for packing cigarettes or like goods as claimed in Claim 1 the adaptation to the foot of the inclined shute delivering cigarettes from the hopper or receiver, of a brush having a rocking motion so as to move upwards at one time, the layer of cigarettes lying in the open shute to relieve the downward pressure, and on the return stroke to accelerate the movement of the lower portion of the cigarettes on to the tray or slide, substantially as described and illustrated in figures 16 and 17.

16. In a machine for packing cigarettes and like goods as claimed in Claim 1, the arrangement of additional delivery boards or shutes for feeding a mouth-piece or photograph with the cigarettes into the open trays and slides; and automatic mechanism to determine the feed of such photograph or article at the exact time when each shell is stationary and in proper position to receive it, substantially as described and illustrated in figures 17 and 18.

17. In a machine for packing cigarettes and like goods as claimed in Claim 1, the application of an automatically operated trigger adapted to bend out the leading flap of the open tray or slide, to permit easy access of the cigarettes and pusher head, substantially as described and illustrated in figures 16, 17, and 18.

18. The combination with a shell or case making and cigarette packing machine as claimed in Claim 1, of means for automatically wrapping the packets of cigarettes with tinfoil or other suitable material.

19. In a cigarette packing machine as claimed in Claim 1, a wrapping apparatus comprising gravity feed devices for the cigarettes or like goods, a sheet wrapper feed, integral with a die plate reciprocating under a packing and folding plunger, fingers and tuckers, automatically operated in succession to fold and adapt such tinfoil or other wrap, closely to the internal packet of cigarettes or like goods, and means for delivering the same when wrapped to trays or slides for further packing in cardboard boxes, substantially as described.

20. In a cigarette packing machine as claimed in Claim 1, the combination with a reciprocating die plate carrying upon it grippers adapted to seize a sheet of tinfoil from a sloping feed board and to carry the same disposed over the aperture of the said die plate, under a vertically reciprocating plunger, having a chamber therein for the reception of the cigarettes, from transverse feed pushers on either side, the said plunger carrying the cigarettes through the aperture of the die plate, thus forming the first fold of the tinfoil or similar wrapper, substantially as described.

21. In a packing and wrapping machine for cigarettes, as claimed in Claim 1, a pivotted flapper operated by the die plate, to make the second upper fold of tinfoil over the packet of cigarettes in combination with a plunger integral with the reciprocating die plate adapted to push the cigarette packet into a closed tunnel, thus effecting the third upper fold of the wrapper over the packet, substantially as described.

22. In a packing and wrapping machine for cigarettes, as claimed in Claim 1, a tunnel, receiving a succession of partially wrapped packets of cigarettes, moved therein intermittently by a plunger, integral with a reciprocating die plate, in combination with two vertically descending rocking tucker plates folding in the top ends of the wrapper to the packet, a pair of simultaneously side closing fingers at either end, forming the ends of the wrapper into triangular points, and two rising plunges, one at either end, setting up and creasing against the resistance of aforesaid tucker plate and side fingers the said triangular wrapper ends, substantially as described.

23. In a packing and wrapping machine, for cigarettes, as claimed in Claim 1, a tunnel, receiving a succession of partially wrapped packets of cigarettes moved therein intermittently by a plunger integral with a reciprocating die plate, such tunnel having end tucker plates and pairs of closing fingers, in combination with upwardly ascending rocking tucker plates to complete the upward fold of the triangular ends of the wrapper substantially as described.

Specification, £3 6s. Drawings on application.

Application No. 4092.—Frederick Henry Loring, of 147 Boughton, Chester, England, Electrical Engineer, "*Improvements in and means for operating Electric Percussion Drills and other apparatus, including Motors.*"—Dated 23rd October, 1902.

Claims, numbering 33, can be inspected at the Patent Office.

Specification, £2 5s. Drawings on application.

Application No. 4093.—John Cowan, of 2 St. Andrew's Square, Edinburgh, Scotland, Managing Director of the Stirling Boiler Company, Limited, "*Improvements relating to Water Tube Boilers.*"—Dated 23rd October, 1902.

Claims:—

1. A water tube boiler casing consisting of a double shell formed by two sheet metal walls, the inner one, which is adjacent to the furnace, being protected from the furnace gases by a lining of refractory material, and the outer one thermally insulated from the inner one by an air jacket which delivers hot air into the boiler furnace and thus returns to the furnace the heat received from the inner wall of the casing substantially as described.

2. In a boiler casing as claimed in Claim 1, a construction of double shell consisting in the formation of the inner and outer walls of a number of panels secured together, each panel comprising two flanged plates, one inserted within the other, both plates being connected together by their flanges so as to leave an air space between the two plates, the air spaces of any desired number of the panels being placed in direct communication with each other by means of holes in adjacent flanges substantially as described.

3. In a boiler casing as claimed in Claim 1, an additional air jacket formed by grooving or checking the refractory lining on the side adjacent to the inner sheet metal wall, the grooves being connected together and placed in communication with the boiler furnace and with the atmosphere either directly or through the main air jacket of the casing substantially as described.

4. In a boiler casing as claimed in Claim 1, an additional air jacket formed by securing a refractory lining against the inner metal wall of the casing and securing another lining at a short distance therefrom so as to leave a space between the two linings, the space being placed in communication with the boiler furnace and with the atmosphere either directly or through the main air jacket of the casing substantially as described.

5. The improved boiler casings hereinbefore described with reference to the accompanying drawings.

Specifications, 12s. Drawings on application.

Application No. 4099. — Fritz Theodore Heinrich Matthias Johannes Marcard, of Leigh Street, Adelaide, in the State of South Australia, in the Commonwealth of Australia, Merchant, "*An improved Reciprocatory Motor.*"—Dated 28th October, 1902.

Claims:—

1. In a reciprocatory motor the combination with a piston working within a cylinder and having two piston heads with an annular recess between, of a sliding annular ring mounted within the said recess and in conjunction with suitable ports adapted to direct the compressed gas alternately to each end of the said cylinder.

2. In a reciprocatory motor the combination with a piston working within a cylinder having an inlet channel arranged upon one side, said piston having two piston heads with an annular recess between and two ports one extending from the front portion of the said recess to the rear end of the piston and the other from the rear portion of the recess to the front end of the piston, of a sliding annular ring mounted within the said recess and working in conjunction with the said ports and the said inlet channel so that the compressed gas is delivered alternately to the ends of the cylinders, substantially as described.

3. In a reciprocatory motor the combination with a piston working within a cylinder having an inlet channel arranged upon one side, said piston having two piston heads with an annular recess between and two ports one extending from the front portion of the said recess to the rear end of the piston and the other from the rear portion of the recess to the front end of the piston, said piston having a further discharge port extending from the centre of the said annular recess of a sliding annular ring mounted within such recess and having an internal recess, such ring working in conjunction with the said ports and the said inlet channel so that the compressed gas is delivered alternately to the ends of the cylinders, substantially as described.

4. In a reciprocatory motor the combination with a piston mounted on a piston rod and working within a cylinder provided with an inlet channel arranged upon one side and with an extending sleeve at one end through which the piston rod passes, such sleeve having a discharge orifice said piston having two piston heads with an annular recess between and two ports one extending from the front portion of the said recess to the rear end of the piston and the other from the rear portion of the recess to the front end of the piston and a further discharge port passing along the middle of the piston rod and communicating with the sleeve upon the cylinder at one end and with the annular recess in the piston at the other, of a sliding annular ring mounted within such recess and having an internal recess, such ring working in conjunction with the said ports and the said inlet channel so that the compressed gas is alternately delivered to and discharged from the ends of the cylinders, substantially as described.

5. An improved reciprocatory motor consisting of a cylinder attached to a handle through the centre of which the inlet channel is drilled having at one end a sleeve to which a discharge orifice is attached, a piston rod passing there-through, a piston mounted on the said piston rod having two piston heads with an annular recess between, a sliding annular ring having an internal recess working within the said recess on the piston, ports within the piston leading from the front end of the said recess to the rear end of the piston and from the rear end of the said recess to the front end of the piston, a discharge port arranged within the centre of the piston rod communicating at one end with the internal recess in the said sliding annular ring and at the other with the interior of the sleeve upon the cylinder to which the discharge orifice is attached, substantially as described.

Specification, 10s. 6d. Drawings on application.

R. G. FERGUSON,
Registrar of Patents.

Renewal Fees paid on Patents registered from 15th to 22nd November, 1902.

Fees payable before the end of the fourth year in respect of the three following years:—

No. 2309.—Brewer, W. J., and Cooper, J. E.

No. 2310.—Metallurgische Gesellschaft A. G.

No. 2334.—The Empire Cash Register, Limited.

No. 2346.—The Monorail Portable Railway Company, Limited.

No. 2358.—The Superior Drill Company.

No. 2379.—Cameron, D.; Commin, F. J.; and Martin, A. J.

No. 2380.—Cameron, D.; Commin, F. J.; and Martin, A. J.

No. 2406.—Cameron, D.; Commin, F. J.; and Martin, A. J.

Notice of Application for Amendment.

THE PATENTS ACTS, 1888-1894.

IN the matter of Letters Patent No. 3788, dated 18th March, 1902, by JOSEPH GEORGE NASH, of Adelaide, South Australia, Engineer.

Notice is hereby given that the above Joseph George Nash has applied for leave to amend the complete Specification of his invention, alleging as his reason for so doing:—*"In order to more fully explain the exact nature of my invention and its essential features, and so as to restrict the scope of the invention in accordance therewith."*

The amendments proposed are as follow, viz. (reference being had to amended copy of specification lodged in Patent Office, Perth):—

Page 2, line 28.

After the words *"may be,"* insert *"This cutter is provided with a cutting edge extending from the control mandrel to the outside edge or periphery of the zinc block or roll and in this way as the zinc rotates makes a cut across the complete face of the said block or roll. Also if necessary more than one cutter may be provided."*

Page 3, line 14.

After the word *"transit"* insert *"and the bright edges formed by the cutter from becoming oxidised and tarnished."*

Pages 3 and 4.

Strike out Claims Nos. 1, 2, 3, and insert:

Claim:—

An improved method of preparing zinc shavings consisting essentially in wrapping sheets of zinc upon a mandrel turning the shavings by means of a cutter as herein described, and subjecting the shavings thus formed to gradual pressure in a box or other receptacle by a piston or press whereby they are compressed into solid blocks substantially as described and for the purpose indicated.

Any person or persons intending to oppose the said application for amendment must leave particulars, in writing (on Form G), of his or their objections thereto, within one calendar month from the date hereof. A fee of Ten shillings (10s.) is payable with such notice.

Dated this 28th day of November, 1902.

R. G. FERGUSON,
Registrar of Patents.

Provisional Specifications.

Patent Office, Perth, 28th November, 1902.

APPLICATIONS for Letters Patent, accompanied by Provisional Specifications, which have been accepted from 15th to 22nd November, 1902:—

Application No. 4071.—THOMAS BOWERMAN BELGRAVE, of Wyndham, Western Australia, Medical Practitioner, *"Combined Aseptic Urn Water Filter and Cooler."*—Dated 3rd October, 1902.

Application No. 4084.—ROBERT MCMICHEN, of Freeman Street, Adelaide, in the State of South Australia, Commonwealth of Australia, Tarpaulin and Tent Maker, *"An improved Tap."*—Dated 14th October, 1902.

Application No. 4085.—RICHARD BARRETT, of Franklin Street, Adelaide, in the State of South Australia, in the Commonwealth of Australia, Builder, *"Improvements in Venetian Blinds."*—Dated 14th October, 1902.

Application No. 4086.—CHARLES WILLIAM HAINES, of Remuera, Province of Auckland, New Zealand, Engineer, *"Improved means for Extinguishing the Sparks given off from locomotive and other boilers."*—Dated 14th October, 1902.

R. G. FERGUSON, Registrar of Patents.

Applications for Patents.

NOVEMBER 15TH—22ND.

[Where Provisional Specification accompanies Application an asterisk is affixed.]

No.	Date.	Name.	Address.	Title.
4122	18th Nov., 1902	Roger, J., and Bamber, M. K.	London, England, and Colombo, Ceylon.	An improved process for obtaining a soluble extract of tea.
4123	18th Nov., 1902	Gill, A. B.	London, England...	Improvements in apparatus for electrically lighting railway trains.
*4124	18th Nov., 1902	Robertson, J.	Otago, New Zealand	Improved ditch plough.
*4125	18th Nov., 1902	Harvey, T.	Castlemaine, Victoria	Improvements in hose fittings or couplings.
4126	18th Nov., 1902	Baertl, F.	Zurich, Switzerland	Improvements in automatic pressure regulators for gas flames or burners.
*4127	20th Nov., 1902	Pilkington, W. H.	Perth, W.A. ...	Improved hinged hames with self-acting fastener.
4128	20th Nov., 1902	American Tobacco Company (*assignee of Wojciechowskij*)	New York, United States of America	Improvements in cigarette machines.
4129	20th Nov., 1902	Hainsworth, R.	Hull, England ...	Safety suspending apparatus for mine and lift cages, skips, and the like.
*4130	21st Nov., 1902	Hyde, W. R.	Ashburton, New Zealand	Improved mode of and appliances for generating acetylene gas.
*4131	21st Nov., 1902	Phillips, H. J., and Cancellor, C. E.	Coolgardie, W.A. ...	An economic process for the extraction of gold from auriferous minerals, pugs, and slimes.
*4132	21st Nov., 1902	Pyröjim Syndicate, Limited (*assignee of Jameson, J. M.*)	London, England...	Improvements in treating floor dust, house, and other refuse for making or converting it into fuel.
4133	21st Nov., 1902	Channon, J. (*assignee of Russell, J. J.*)	Hornsby, New South Wales	Improvements in seal locks specially applicable for strap buckles as of mail bags.
4134	21st Nov., 1902	Carruthers, J. A.	St. James, Victoria	Improvements in electrically actuated and controlled clocks and other time-recording apparatus.
4135	21st Nov., 1902	Carruthers, J. A.	St. James, Victoria	Electrically actuated and controlled clock.

Index of Applicants for Patents.

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Name.	Title.	No.	Date.
American Tobacco Company (*assignee of Wojciechowski, J.*)	Improvements in cigarette machines	4128	20th Nov., 1902
Bamber, M. K.	*Vide* Rogers, J., and Bamber, M. K.	4122	18th Nov., 1902
Baertl, F.	Improvements in automatic pressure regulators for gas flames or burners	4126	18th Nov., 1902
Cancellor, C. E.	*Vide* Phillips, H. J., and Cancellor, C. E.	4131	21st Nov., 1902
Carruthers, J. A.	Improvements in electrically actuated and controlled and other time-recording apparatus	4134	21st Nov., 1902
Carruthers, J. A.	Electrically actuated and controlled clock	4135	21st Nov., 1902
Channon, J. (*assignee of Russell, J. J.*)	Improvements in seal locks specially applicable for strap buckles as of mail bags	4133	21st Nov., 1902
Gill, A. B.	Improvements in apparatus for electrically lighting railway trains	4123	18th Nov., 1902
Hainsworth, R.	Safety suspending apparatus for mine and lift cages, skips and the like	4129	20th Nov., 1902
Harvey, T.	Improvements in hose fittings or couplings	4125	18th Nov., 1902
Hyde, W. R.	Improved mode of and apparatus for generating acetylene gas	4130	21st Nov., 1902
Jameson, J. M.	*Vide* Pyrojim Syndicate, Limited	4132	21st Nov., 1902
Phillips, H. J., and Cancellor, C. E.	An economic process for the extraction of gold from auriferous minerals, pugs, and slimes	4131	21st Nov., 1902
Pilkington, W. H.	Improved hinged hames with self-acting fastener	4127	20th Nov., 1902
Pyrojim Syndicate, Limited (*assignee of Jameson, J. M.*)	Improvements in treating floor dust, house and other refuse for making or converting it into fuel	4132	21st Nov., 1902
Robertson, J.	Improved ditch plough	4124	18th Nov., 1902
Rogers, J., and Bamber, M. K.	An improved process for obtaining a soluble extract of tea	4122	18th Nov., 1902
Russell, J. J.	*Vide* Channon, J.	4132	21st Nov., 1902
Wojciechowski, J.	*Vide* American Tobacco Company	4128	20th Nov., 1902

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Title.	Name.	No.	Date.
Acetylene Gas, generation of	Hyde, W. J.	4130	21st Nov., 1902
Burners	*Vide* Pressure Regulators for Gas Burners	4126	18th Nov., 1902
Cigarette Machines	American Tobacco Company (assignee of Wojciechowski, J.)	4128	20th Nov., 1902
Clocks	Carruthers, J. A.	4134	21st Nov., 1902
Clocks	Carruthers, J. A.	4135	21st Nov., 1902
Couplings	*Vide* Hose Fittings	4125	18th Nov., 1902
Dust, conversion into fuel	*Vide* Fuel, manufacture of from dust	4132	21st Nov., 1902
Fuel (manufacture of) from dust	Pyrojim Syndicate, Ltd. (assignee of Jameson, J. M.)	4132	21st Nov., 1902
Gas	*Vide* Acetylene Gas (generation of)	4130	21st Nov., 1902
Gas Flames	*Vide* Pressure Regulators for Gas Burners	4126	18th Nov., 1902
Gold (extraction from ores)	Phillips, H. J., and Cancellor, C. E.	4131	21st Nov., 1902
Hames	Pilkington, W. H.	4127	20th Nov., 1902
Harness	*Vide* Hames	4127	20th Nov., 1902
Hose Fittings	Harvey, T.	4125	18th Nov., 1902
Lift Cages	*Vide* Safety Catch	4129	20th Nov., 1902
Lighting (electric for railway trains)	Gill, A. B.	4123	18th Nov., 1902
Locks	*Vide* Seal Locks	4133	21st Nov., 1902
Mining	*Vide* Safety Catch	4129	20th Nov., 1902
Ores	*Vide* Gold	4131	21st Nov., 1902
Pressure Regulators for Gas Burners	Baertl, F.	4126	18th Nov., 1902
Plough (for ditches)	Robertson, J.	4124	18th Nov., 1902
Refuse	*Vide* Dust conversion into fuel)	4132	21st Nov., 1902
Safety Catch (lift cages)	Hainsworth, R.	4129	20th Nov., 1902
Seal Locks	Channon, J. (assignee of Russell, J. J.)	4133	21st Nov., 1902
Skips	*Vide* Safety Catch	4129	20th Nov., 1902
Tea (process of obtaining extract of)	Roger, J., and Bamber, M. K.	4122	18th Nov., 1902

Index of Patentees.

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Name.	Title.	No.	Date.	*Gazette.* Date.	No.	Page.
Brady, W.	Rock drills	4010	26th Aug., 1902	19th Sept., 1902	38	3875
Coburn, S. S.	An improved field gate	3653	26th Nov., 1901	19th Sept., 1902	38	3875
Newcomb, E. C., and Volkenburgh, P. V.	Improvements in method and means for generating steam or vapour	3731	31st Jan., 1902	21st Feb., 1902	8	812
Volkenburgh, P. V. ...	*Vide* Newcomb, E. C., and Volkenburgh, P. V.	3731	31st Jan., 1902	21st Feb., 1902	8	812

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Title.	Name.	No.	Date.	*Gazette.* Date.	No.	Page.
Drills	Brady, W.	4010	26th Aug., 1902	19th Sept., 1902	38	3875
Gates	Coburn, S. S.	3653	26th Nov., 1901	19th Sept., 1902	38	3875
Heating Water and Air (method of)	Newcomb, E. C., and Volkenburgh, P. V.	3731	31st Jan., 1902	21st Feb., 1902	8	812
Rock Drills	*Vide* Drills	4010	26th Aug., 1902	19th Sept., 1902	38	3875
Steam Vapour	*Vide* Heating Water and Air (method of)	3731	31st Jan., 1902	21st Feb., 1902	8	812
Steam Generator	*Vide* Heating Water and Air (method of)	3731	31st Jan., 1902	21st Feb., 1902	8	812

Applications Abandoned.

NOVEMBER 15TH—22ND.

Application No. 3719.—JOHN STANISLAUS CLEMENT BONHAM, of 79 Rowena Parade, Richmond, near Melbourne, in the State of Victoria, Commonwealth of Australia, miner, "*Improvements in pumps.*"—Dated 21st January, 1902.

Application No. 3722.—DAVID MURRAY, 849 George Street, Sydney, Manager of the Sydney Cyclorama, "*An optical illusion.*"—Dated 21st January, 1902.

Trade Marks.

Patent Office, Trade Marks Branch, Perth, 28th November, 1902.

IT is hereby notified that I have received the undermentioned Applications for the Registration of Trade Marks.

Any person or persons intending to oppose such applications must leave particulars in writing, in duplicate (on Form F), of his or their objections thereto, within two calendar months from the date of this *Gazette*.

A fee of £1 is payable with such notice.

In the case of an Application in which have been inserted a statement and disclaimer (or a disclaimer only), a copy of the same is printed in *italics* in connection with the advertisement.

R. G. FERGUSON, Registrar of Designs and Trade Marks.

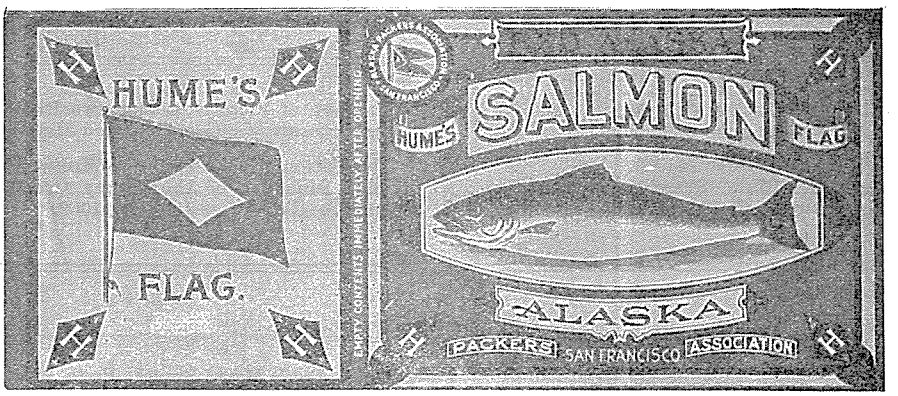
Application No. 2613, dated 21st October, 1902.—ALASKA PACKERS ASSOCIATION, of San Francisco, California, United States of America, Fish Curers, to register in Class 42, in respect of Tinned or Canned, Dried and Preserved Fish of all descriptions, a Trade Mark, of which the following is a representation :—

The essential particular of the above Mark consists of the distinctive label.

Application No. 2614, dated 21st October, 1902.—ALASKA PACKERS ASSOCIATION, of San Francisco, California, United States of America, Fish Curers, to register in Class 42, in respect of Tinned or Canned, Dried and Preserved Fish of all descriptions, a Trade Mark, of which the following is a representation:—

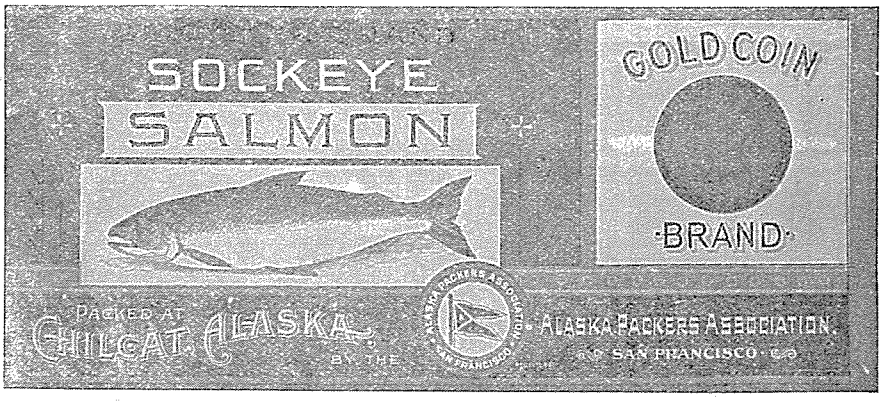
The essential particular of the above Mark consists of the distinctive label.

Application No. 2615, dated 21st October, 1902.—ALASKA PACKERS ASSOCIATION, of San Francisco, California, United States of America, Fish Curers, to register in Class 42, in respect of Tinned or Canned, Dried and Preserved Fish of all descriptions, a Trade Mark, of which the following is a representation:—



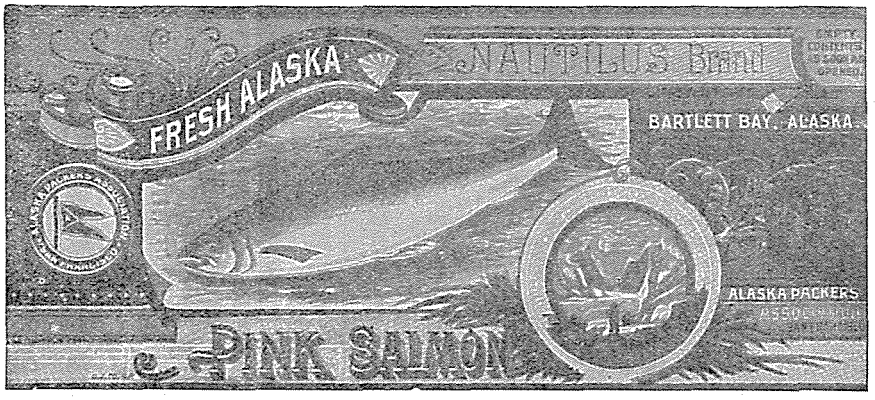
The essential particular of the above Mark consists of the distinctive label.

Application No. 2616, dated 21st October, 1902.—ALASKA PACKERS ASSOCIATION, of San Francisco, California, United States of America, Fish Curers, to register in Class 42, in respect of Tinned or Canned, Dried and Preserved Fish of all descriptions, a Trade Mark, of which the following is a representation:—



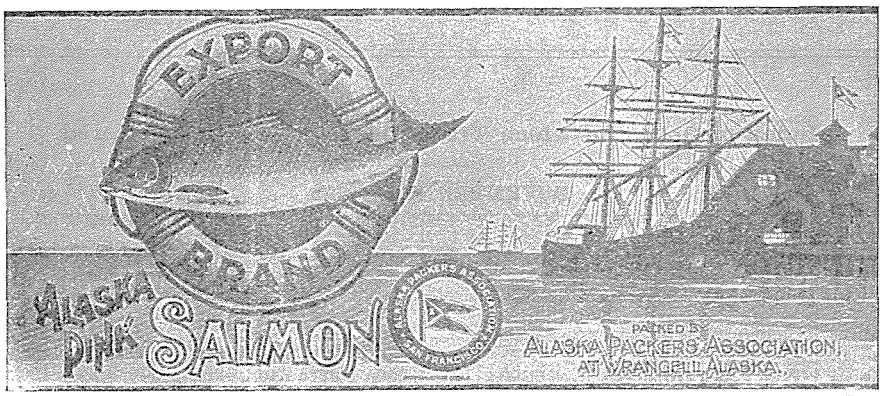
The essential particular of the above Mark consists of the distinctive label.

Application No. 2617, dated 21st October, 1902.—ALASKA PACKERS ASSOCIATION, of San Francisco, California, United States of America, Fish Curers, to register in Class 42, in respect of Tinned or Canned, Dried and Preserved Fish of all descriptions, a Trade Mark, of which the following is a representation:—



The essential particular of the above Mark consists of the distinctive label.

Application No. 2618, dated 21st October, 1902.—ALASKA PACKERS ASSOCIATION, of San Francisco, California, United States of America, Fish Curers, to register in Class 42, in respect of Tinned or Canned, Dried and Preserved Fish of all descriptions, a Trade Mark, of which the following is a representation:—



The essential particular of the above Mark consists of the distinctive label.

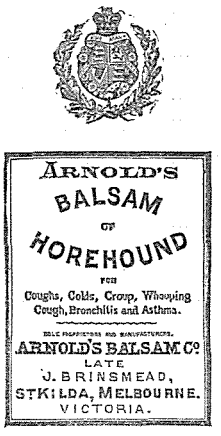
Application No. 2636, dated 17th November, 1902.—CHAPPELL, ALLEN, AND CO., LIMITED, of Patriotic Corset Works, Bristol, England, Corset Manufacturers, to register in Class 38, in respect of articles of clothing, a Trade Mark, of which the following is a representation:—

DAYDREAM.

Application No. 2637, dated 18th November, 1902.—COUCHE, CALDER, AND CO., Merchants, 62 Cantonment Street, Fremantle, in the State of Western Australia, to register in Class 13, in respect of Ventilators, a Trade Mark, of which the following is a representation:—

PANCOAST.

Application No. 2641, dated 21st November, 1902.—DUNCAN RANKIN, WILLIAM MILLAR HALE, and GEOFFREY CHESHIRE, trading as "Arnold's Balsam Company," at No. 318 High Street, St. Kilda, near Melbourne, in the State of Victoria, Commonwealth of Australia, Manufacturing Chemists, to register in Class 3, in respect of a medicinal preparation, a Trade Mark, of which the following is a representation:—



The essential particular of the Trade Mark is the distinctive label.

Alphabetical List of Registrants of Trade Marks.

NOVEMBER 15TH—22ND.

Name.	Goods.	Class.	No.	Date.	Gazette. No.	Gazette. Date.	Gazette. Page.
Clements, F. M.	Chemical substances prepared for use in medicine and pharmacy, such as patent medicines	3	2568	2nd Sept., 1902	37	12th Sept., 1902	3836
Collins, —	*Vide* Donaldson & Collins	44	2569	2nd Sept., 1902	37	12th Sept., 1902	3837
Donaldson & Collins ...	Cordials and all such like beverages	44	2569	2nd Sept., 1902	37	12th Sept., 1902	3837
Hudson, R. S. (Hudson, R. W., trading as)	Common soap, detergents, and other preparations for laundry purposes	47	2571	4th Sept., 1902	37	12th Sept., 1902	3836
Hudson, R. W.	*Vide* Hudson, R. S.	47	2571	4th Sept., 1902	37	12th Sept., 1902	3836
Hudson, R. S. (Hudson, R. W., trading as)	Toilet articles, preparations for the teeth and hair, and perfumed soap	48	2572	4th Sept., 1902	37	12th Sept., 1902	3836
Hudson, R. W.	*Vide* Hudson, R. S.	48	2572	4th Sept , 1902	37	12th Sept., 1902	3836
Hudson, R. S. (Hudson, R. W., trading as)	Common soap, detergents, and other preparations for laundry purposes	47	2573	4th Sept., 1902	37	12th Sept., 1902	3837
Hudson, R. W.	*Vide* Hudson, R. S.	47	2573	4th Sept., 1902	37	12th Sept., 1902	3837
Hudson, R. S. (Hudson, R. W., trading as)	Toilet articles, preparations for the teeth and hair, and perfumed soap	48	2574	4th Sept., 1902	37	12th Sept., 1902	3837
Hudson, R. W.	*Vide* Hudson, R. S.	48	2574	4th Sept., 1902	37	12th Sept., 1902	3837
Linotype Company, Ltd....	Metal in ingots	5	2576	6th Sept., 1902	37	12th Sept., 1902	3837
Linotype Company, Ltd....	All goods included in Class 6 ...	6	2577	6th Sept.. 1902	37	12th Sept., 1902	3837
Linotype Company, Ltd....	Type and typographical printing bars and surfaces made of metal	13	2578	6th Sept., 1902	37	12th Sept., 1902	3837
Oppenheimer, A., and Co.	Tobacco pipes, rubber pouches, cigar and cigarette holders and tubes	50	2565	27th Aug., 1902	37	12th Sept., 1902	3836

Index of Goods for which Trade Marks have been registered.

NOVEMBER 15TH—22ND.

Goods.	Name.	No.	Date.	Class.	Gazette. No.	Gazette. Date.	Gazette. Page.
Chemical Substances	Clements, F. M.	2568	2nd Sept., 1902	3	37	12th Sept., 1902	3836
Cigarette Holders ...	*Vide* Pipes (tobacco)	2565	27th Aug., 1902	50	37	12th Sept., 1902	3836
Cigar Holders ...	*Vide* Pipes (tobacco)	2565	27th Aug., 1902	50	37	12th Sept., 1902	3836
Cordials	Donaldson & Collins	2569	2nd Sept., 1902	44	37	12th Sept., 1902	3836
Detergents	*Vide* Soap (common)	2571	4th Sept , 1902	47	37	12th Sept., 1902	3836
Detergents	*Vide* Soap (common)	2573	4th Sept., 1902	47	37	12th Sept., 1902	3837
Hair Preparations ...	*Vide* Toilet Articles	2572	4th Sept., 1902	48	37	12th Sept., 1902	3836
Hair Preparations ...	*Vide* Toilet Articles	2574	4th Sept., 1902	48	37	12th Sept., 1902	3837
Laundry Preparations	*Vide* Soap (common)	2571	4th Sept., 1902	47	37	12th Sept., 1902	3836
Laundry Preparations	*Vide* Soap (common)	2573	4th Sept., 1902	47	37	12th Sept., 1902	3837
Medicine	*Vide* Chemical Substances	2568	2nd Sept., 1902	3	37	12th Sept., 1902	3836
Metal (in ingots) ...	Linotype Company, Ltd.	2576	6th Sept., 1902	5	37	12th Sept., 1902	3837
Metal Surfaces ...	*Vide* Printing Bars	2578	6th Sept., 1902	13	37	12th Sept., 1902	3837
Pharmacy	*Vide* Chemical Substances	2568	2nd Sept., 1902	3	37	12th Sept., 1902	3836
Pipes (tobacco) ...	Oppenheimer, A., & Co.	2565	27th Aug., 1902	50	37	12th Sept., 1902	3836
Pouches (rubber) ...	Pipes (tobacco)	2565	27th Aug., 1902	50	37	12th Sept., 1902	3836
Printing Bars (type and typographical)	Linotype Company, Ltd.	2578	6th Sept., 1902	13	37	12th Sept., 1902	3837
Soap (common) ...	Hudson, R. W. (Hudson, R. S., trading as)	2571	4th Sept., 1902	47	37	12th Sept., 1902	3836
Soap (common) ...	Hudson, R. W. (Hudson, R. S., trading as)	2573	4th Sept., 1902	47	37	12th Sept., 1902	3837
Soap (perfumed) ...	*Vide* Toilet Articles	2572	4th Sept., 1902	48	37	12th Sept., 1902	3836
Soap (perfumed) ..	*Vide* Toilet Articles	2574	4th Sept., 1902	48	37	12th Sept., 1902	3837
Teeth Preparations ...	*Vide* Toilet Articles	2572	4th Sept., 1902	48	37	12th Sept., 1902	3836
Teeth Preparations ...	*Vide* Toilet Articles	2574	4th Sept., 1902	48	37	12th Sept., 1902	3837
Toilet Articles ...	Hudson, R. W. (Hudson, R. S., trading as)	2572	4th Sept., 1902	48	37	12th Sept., 1902	3836
Toilet Articles ...	Hudson, R. W. (Hudson, R. S., trading as)	2574	4th Sept., 1902	48	37	12th Sept., 1902	3837
Tubes	*Vide* Pipes (tobacco)	2565	27th Aug., 1902	50	37	12th Sept., 1902	3836

By Authority: WM. ALFRED WATSON Government Printer, Perth.