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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,
21st August, 1903.

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. 4125.—THOMAS HARVEY, of Johnston Street, Castlemaine, in the State of Victoria and Commonwealth of Australia, Mechanical Engineer, "*Improvements in Hose Fittings or Couplings.*"—Dated 18th November, 1902.

Claims:—

1. An improved hose fitting or coupling consisting of an externally threaded double cone ferrule or thimble inserted into the ends of the sections to be joined in combination with two internally and externally threaded collars placed on the outside of said sections and operated on by an internally threaded sleeve substantially as herein described and specified and as illustrated in Figure 2.
2. An improved hose fitting or coupling consisting of an externally threaded tapering ferrule inserted in the end of a hose section and made integral with a screwed or other tap fitting and having its other end externally threaded in combination with an internally and externally threaded collar placed on the outside of said section and operated on by an internally threaded sleeve substantially as herein described and specified and as illustrated in Figure 3.

Specification, 2s. 6d. Drawings on application.

Application No. 4139.—JAMES ALSTON, of Maffra Street, South Melbourne, in the State of Victoria, Commonwealth of Australia, Windmill Manufacturer, "*An Improved Water Trough.*"—Dated 25th November, 1902.

Claim:—

An improved water trough consisting of semi-circular sheets of metal suspended above the ground said sheets lapping at each end, longitudinal side reinforcing angle pieces extending along the top of each of the edges of said plates, a tension bolt passing underneath said lapping joints, and supporting said plates a compression piece inside the trough and over each joint, in combination with angle sectioned cross yokes having integral depending legs which legs at their bottoms are spread in the form of feet or have beneath the said legs bearers, said legs supporting each cross yoke which yoke supports the aforesaid tension bolt and plates all as and for the purposes hereinbefore described and as illustrated in the drawings.

Specification, 5s. Drawings on application.

Application No. 4141.—FRANK FOSTER COULSELL, LANE BRADFORD COULSELL, ALFRED CHARLES COULSELL, and HARRY WILLIAM COULSELL, all of 29 Courtney Street, North Melbourne, in the State of Victoria, Engineers and Boilermakers, "*Improvements in Vertical Multitubular Water Column Boilers.*"—Dated 25th November, 1902.

Claims:—

1. In a boiler of the kind set forth, a water chamber, having its foot forming the fire-box sides its body fitted with upwardly extending tubes, a neck or necks forming water columns rising from the said body, and a head or steam chamber above the said neck substantially as described.
2. In a boiler of the kind set forth the arrangement of the water and steam spaces respectively relatively to the passage ways for the products of combustion, as described.
3. In a boiler of the class described a head g of less diameter than the body a, a neck or necks as f and a smoke box as i all substantially as set forth.
4. In a boiler of the kind set forth the parts a to g as hereinbefore described in combination.

Specification, 2s. 6d. Drawings on application.

Application No. 4541.—PHILLIP DIEHL AND MARTIN HEMLEB, of Elizabethport, New Jersey, United States of America, Inventors, "*Rotary take-ups for Sewing Machines.*"—Dated 7th August, 1903.

Claims:—

1. In a sewing machine, the combination with stitch-forming devices, of a tangentially disposed rotary take-up arm, on which the needle-thread slides in and out for the thread-slackening and take-up operations, and a stationary guard outside of said arm.
2. In a sewing machine, the combination with a rotary disk or hub, or a take-up arm projecting outward from the same, and on which arm the needle-thread slides in and out for the thread-slackening and the take-up operations, and a stationary guard outside of said arm and overlapping the outer end thereof, and thus preventing the thread from escaping from said arm, as also housing or guarding the outer end of said arm.
3. In a sewing machine, the combination with stitch-forming devices, of a rotary take-up arm on which the needle-thread slides inward and outward for the thread-slackening and the take-up or stitch-tightening operations, and which arm is provided between its outer and inner ends, with a thread-detaining shoulder which momentarily controls the thread-loops during the thread-slackening operation.
4. In a sewing machine, the combination with stitch-forming devices, of a rotary take-up arm on which the needle-thread slides inward and outward for the thread-slackening and the take-up or stitch-tightening operations, and which arm is provided between its ends with a thread-controlling shoulder, and a circular guard surrounding said arm and overlapping the outer end thereof.
5. In a sewing machine, the combination with stitch-forming devices of a tangentially disposed rotary take-up arm on which the needle-thread moves in and out for the thread-slackening and the take-up or stitch-tightening operations, and a stationary guard-ring, attached to the face-plate of the machine, encircling said rotary take-up and overlapping the outer end of said take-up arm.
6. In a sewing machine, the combination with stitch-forming devices, of a rotary take-up comprising a hub or disk and a take-up arm extending outward therefrom, and a stationary hollow take-up ring or guard having two inwardly extending flanges both overlapping the outer end of said take-up arm and between which flanges the said outer end of said arm travels, in rotating.
7. In a sewing machine, the combination with a rotary take-up, of a stationary unthreading device arranged and operating out of the normal path of the thread wholly on the cast-off or thread-slackening side of the path of movement of the said rotary take-up, and which device is so located that the thread has no contact therewith except when broken, the said unthreading device being adapted to catch, without severing, the loose end of an accidentally broken thread, as said loose end is carried around, and thus withdraw such loose end of thread from the said rotary take-up.
8. In a sewing machine, the combination with a rotary take-up, of a stationary unthreading device formed on the face-plate of the machine and arranged and operating out of the normal path of the thread and wholly on the cast-off or thread-slackening side of the path of movement of the said rotary take-up, and which device is so located that the thread has no contact therewith except when broken, the said unthreading device being adapted to catch, without severing, the loose

end of an accidentally broken thread, as said loose end is carried around, and thus withdraw such loose end of thread from the said rotary take-up.

9. In a sewing machine, the combination with a rotary take-up, of a stationary, segmental unthreading device formed on the face-plate of the machine and arranged and operating out of the normal path of the thread and wholly on the cast-off or thread-slackening side of the path of movement of the said rotary take-up, the said unthreading device being adapted to catch, without severing, the loose end of an accidentally broken thread, as said loose end is carried around, and thus withdraw such loose end of thread from the said rotary take-up

10. In a sewing machine, the combination with a rotary take-up arm, of a stationary segmental unthreading device located adjacent to the path of movement of the said take-up arm between the inner and outer ends thereof, said segmental unthreading device having at its forward end, or the end first approached by said take-up arm, a point or finger to catch the loose thread when the latter is accidentally broken.

11. In a sewing machine, the combination with a rotary take-up arm, of a stationary segmental unthreading device located adjacent to the path of movement of the said take-up arm and between the inner and outer ends thereof, said segmental unthreading device being on the face-plate of the machine and having at its forward end, or the end first approached by the said take-up arm, a point or finger to catch the loose thread when the latter is accidentally broken.

12. In a sewing machine, the combination with a rotary take-up arm, of a stationary segmental unthreading device located adjacent to the path of movement of the said take-up arm and between the inner and outer ends thereof, said segmental unthreading device being on the face-plate of the machine, and wholly on the cast-off or thread-slackening side of the path of movement of said rotary take-up arm, and having at its forward end or the end first approached by said take-up arm, a point or finger to catch the loose thread when the latter is accidentally broken.

13. A sewing machine having a take-up arm rotatably mounted in front of the face-plate, a stationary guard secured to said face-plate encircling the path of movement of said arm and overlapping the outer end thereof and a stationary unthreading device between the inner and outer ends of the take-up arm and located adjacent thereto, said unthreading device being on the face-plate and wholly on the cast-off side of the path of movement of said arm substantially as described with reference to the annexed drawings.

Specification, 8s. Drawings on application.

Application No. 4547.—EMIL MAXIMILIAN GOLTERMANN COLEMAN, of Cromwell Buildings, corner of Bourke and Elizabeth Streets, Melbourne, in the State of Victoria, and Commonwealth of Australia, Watchmaker, "*Improved mechanism for automatically igniting matches at predetermined times.*"—Dated 12th August, 1903.

Claims:—

1. Improved mechanism for automatically igniting matches at predetermined times consisting in a horizontal spring-operated bolt carrying a match at its forward end, said bolt being mounted in a cylinder and released by a tappet on the winding handle of an alarm clock, so that the match is ignited upon a yielding striking surface and held in the desired position substantially as set forth and illustrated.

2. In mechanism for automatically igniting matches at pre-determined times a horizontal bolt mounted in a slotted sleeve encircled by a spiral spring arranged within a slotted cylinder having a spring buffer at its forward end, and a cocking slit at one side to engage a trigger secured to said horizontal bolt substantially as set forth and illustrated.

3. In mechanism for automatically igniting matches at predetermined times a horizontal cylinder containing a spring operated partially rotatable bolt having a hole near its forward end, beneath which is a small trough on a bracket and in front of which is a striking surface, enclosed by a convenient cap open at its forward end for the passage of said bolt substantially as set forth and illustrated.

4. In mechanism for automatically igniting matches at predetermined times an inclined adjustable striking surface carried in a shallow tray mounted in a seating on a small bracket the stem of said tray having a coiled spring around it and the edges of said tray being cut away forwardly and rearwardly, and recessed on one side substantially as set forth and illustrated.

5. In mechanism for automatically igniting matches at predetermined times a gauge rod fitting within a sleeve on a cap on the forward end of a horizontal cylinder carrying a spring operated bolt, said gauge rod having its forward end bent so as when turned and locked to correctly indicate the corresponding position of the match after ignition substantially as set forth and illustrated.

Specification, 8s. Drawings on application.

Application No. 4549.—RICHARD SPARROW, of Perth Western Australia, Patents Agent (*Harve Reed Stuart*), "*Improvements in apparatus for regulating and controlling the Voltage of Alternating Current Circuits.*"—Dated 12th August, 1903.

Claims:—

1. A transformer having a plurality of windings, each of which comprises electrically connected but physically separated coils, the electrical connections being such that the outer coils constitute the inner portions of the circuit, substantially as described.

2. A voltage regulator comprising a transformer having a primary winding and two secondary windings, the latter of which are provided with spaced leads connected to a switching device by means of which the active lengths of said secondary windings may be varied and alternately connected in circuit.

3. A voltage regulator constructed and operating substantially as described with reference to the accompanying drawings.

Specification, 5s. Drawings on application.

Application No. 4550.—BALFOUR FRASER MCTEAR, of Brook Cottage, Rainhill, in the County of Lancaster, England, Engineer, "*Improvements in or connected with the manufacture of Tubes or Hollow Bodies.*"—Dated 12th August, 1903.

Claims:—

1. The herein described improvement connected with the process of manufacturing tubes or hollow bodies, wherein they are rolled between internal and external rollers, consisting in pressing down the part of the mandrel roller which lies within its main supporting bearings, by pressure acting on parts of said mandrel roller outside the said main bearings, in a contrary and parallel or oblique direction to that exerted by the main bearings on the mandrel in the rolling action; for the purposes described.

2. In machinery for manufacturing tubes or hollow bodies, wherein the tube or body is rolled by an internal roller, and an external roller, main adjusting or moving bearings mounted and working in a frame at either end of the machine, and bearings outside said frames supported by a lifting or pulling means adapted to press the ends of the mandrel roller in a direction opposite to the main bearings; substantially as described.

3. In machinery for manufacturing tubes or hollow bodies, wherein the tube or body is rolled by an internal roller, and an external roller, main mandrel roller bearings adapted to bear upon the side of the said roller opposite the external roller, and normally upwardly pressed bearings below said main bearings, adapted to keep the mandrel roller against the bearing parts of the main bearings; for the purposes set forth.

4. In machinery for manufacturing tubes or hollow bodies, wherein the tube or body is rolled by a moved internal roller, and an external anvil roller, the combination of the main roller and wheel bearings 5, supported in bearing boxes or carriers 4, and the supplementary roller bearings 28 having bearing wheels 29, 30, normally pressed up by hydraulic rams 32; substantially as herein set forth.

5. The herein described improvement connected with the manufacture of tubes or hollow bodies, by rolling same between internal and external rollers, namely, effecting the prevention of longitudinal travel of the billet or body being rolled, and controlling the longitudinal position of same while being rolled, by pressing on one end of same a greater degree than upon the other when the longitudinal travel commences or takes place; substantially as and for the purposes described.

6. In machinery for manufacturing tubes or hollow bodies, wherein the tube or body is rolled by an internal roller, and an external roller, pressing or holding the ends of the internal roller which lie outside the main bearings of this roller, in a direction at about right angles to the plane in which the said internal and external rollers lie; substantially as described.

7. In machinery for manufacturing tubes or hollow bodies, wherein the tube or body is rolled by a moved internal roller and an external anvil roller, main mandrel moving or adjusting bearings having connected with them a hydraulic ram or piston and cylinder, by which in the rolling action, said bearings are pressed on to the mandrel roller, and a mechanical controlling mechanism connected with said bearings and ram, operated or controlled by hand, and adapted to limit and control continuously during the operation, the movement of same and the action of the hydraulic pressure.

8. In machinery for manufacturing tubes or hollow bodies, wherein the tube or body is rolled by a moved internal mandrel roller, and an external anvil roller, main mandrel roller bearing operating hydraulic cylinders 36 and ram, disposed above said bearings, and connected by rods with same, and a rotary governing and controlling mechanism on said rod, adapted to be rotated and operated by hand; substantially as herein set forth.

9. In a machine for manufacturing tubes or hollow bodies, wherein the tube or body is rolled by a moved internal roller, and an external anvil roller, the main bearings 4, operating in the main frames 7; the hydraulic cylinders 36, with pistons therein; rods 37 connecting said pistons and bearing; worm wheels 42 with cams on their upper surface; a cross-head or frame 39 on the rods 37, adapted to operate in connection with said cams; and worms 43 operating said worm wheels; substantially as set forth and shown in the drawings.

10. In a machine for manufacturing tubes or hollow bodies, wherein the tube or body is rolled by a moved internal mandrel roller, and an external anvil roller, the arrangement of the external mandrel bearing, 12, outside the main frames 7, supported and operated from a hydraulic ram 10, and cylinder 11; as set forth with reference to the drawings.

11. In a machine for manufacturing tubes or hollow bodies, wherein the tube or body is rolled by a moved internal mandrel roller, and an external anvil roller, side supporting rollers 8 mounted on arms 9, supported in bearings 50, and working through right and left hand threaded screws 51 outside said bearings, through nuts 52 and arms mounted outside said bearings; substantially as herein set forth with reference to the drawings.

12. Machinery for rolling tubes or hollow bodies having various operative parts, disposed, arranged, and adapted to operate as set forth with reference to and shown in the drawings.

Specification, 15s. Drawings on application.

R. G. FERGUSON,
Registrar of Patents.

Renewal Fees paid on Patents registered from 8th to 14th August, 1903.

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

No. 2634.—Walter Weech Forward.

No. 2642.—Badische Arulin and Soda Fabrik.

No. 2693.—Wright's Taper Roller Bearings Syndicate, Limited.

No. 2715.—The British Westinghouse Electric and Manufacturing Company, Limited.

Subsequent Proprietors of Patents registered from 8th to 14th August, 1903.

[NOTE.—The name in brackets is that of former proprietor.]

No. 4355.—Henry Cecil William Gibson [Balfour Fraser McTear].

Applications abandoned.

AUGUST 8TH—15TH.

Application No. 4078.—JAMES PETER CAMPBELL, of Canning Road, Plympton, Saddle and Harness Maker, "*The Enterprise Refrigerator.*"—Dated 9th October, 1902.

Application No. 4079.—OLE MIKAEL JOHAN OLSEN, of Toongabbie, in the State of New South Wales, Builder, "*Improvements in the construction of nails, spikes, bolts, and the like.*"—Dated 9th 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.

Applications for Patents.

AUGUST 8TH—14TH.

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

No.	Date.	Name.	Address.	Title.
4542	10th Aug., 1903	Murphy, T. M.	St. Louis, U.S.A. ...	An improved pressure tank.
4543	11th Aug., 1903	Alexander, G. A. W.	Malvern, S.A. ...	A new or improved machine for washing clothing and wool.
4544	12th Aug., 1903	Bowring, J. C.	Sydney, N.S.W. ...	An improved spark-arrester for locomotive and other boilers.
*4545	12th Aug., 1903	Davidson, H.; Causer, P. J.; and Richards, P. B.	Katamite, Victoria	An improved wire-strainer.
*4546	12th Aug., 1903	Thompson, J. C. W., and Smith, J. H.	Fitzroy, and North Melbourne, Victoria, respectively	An improved apparatus for regulating the feeding and watering of cattle and other animals.
4547	12th Aug., 1903	Coleman, E. M. G.	Melbourne, Victoria	Improved mechanism for automatically igniting matches at predetermined times.
4548	12th Aug., 1903	Lodge, J. G. (*Barnes G.*) ...	Darlinghurst, N.S.W.	A window sash support to facilitate the ready removal of sliding sashes from their frames.
4549	12th Aug., 1903	Sparrow, R. (*Stuart, H. R.*) ...	Perth, W.A. ...	Improvements in apparatus for regulating and controlling the voltage of alternating current circuits.
4550	12th Aug., 1903	McTear, B. F.	Rainhill, Lancaster, England	Improvements in or connected with the manufacture of tubes or hollow bodies
4551	13th Aug., 1903	Thielemann, H., and Williamson, R. M.	York and Perth, W.A., respectively	A new or improved brake for two-wheeled vehicles
*4552	13th Aug., 1903	Jolly, H. R.	Westland, N.Z. ...	An improved hose coupling.
*4553	13th Aug., 1903	Henderson, J. C.; Anderson W. J.; and Burman, E. S.	Melbourne, Victoria	An improved method of and apparatus for operating the presser plates of cheese and other presses
4554	13th Aug., 1903	Shilton, G. T., and Schultze, A.	Westland, N.Z. ...	Improvements in pneumatic tyre covers
4555	13th Aug., 1903	Brown, G. W., and Norton, G. M.	Preston and Coburg, Victoria, respectively	Improvements connected with furnace fire-bridges and adjoining parts of steam generators

Provisional Specifications Accepted.

Patent Office, Perth, 21st August, 1903.

APPLICATIONS for Letters Patent, accompanied by Provisional Specifications, which have been accepted from 8th to 15th August, 1903 :—

Application No. 4529.—WILLIAM JAMES FARLEY and ROBERT WILLIAM THOMSON, of 369 Wellington Street, Perth' Importers, "*Brake for Rolling Stock in connection with Railways.*"—Dated 30th July, 1903.

Application No. 4531.—ROBERT PEARCE GIBBONS, of Kopu Thames, in the Provincial District of Auckland and Colony of New Zealand, Timber Merchant, "*A Galvanic Plate for insertion into boots, shoes, and other footwear and bracelets.*"—Dated 30th July, 1903.

Application No. 4532.—HUTCHINSON HUNT, of 27 William Street, Melbourne, in the State of Victoria, Australia, Dairy Outfitter; SYDNEY ASTON MERSEY ROSE, of "Kew View," Wellington Street, Clifton Hill, near Melbourne, aforesaid, Electrical Engineer; and GEORGE JOSEPH HOWARD, of 178 Mary Street, Richmond, near Melbourne, aforesaid, Storeman, "*The Electrical Treatment of Milk for the Separation of Cream.*"—Dated 30th July, 1903.

Application No. 4533.—OTTO GEBERT, of Bunbury, in Western Australia, Merchant, "*A Composition called Jarradite.*"—Dated 3rd August, 1903.

Application No. 4534.—MURDOCH MCKAY HOPKINS, of Boulder, and GEORGE SMELLIE CUMMING, of Perth, both in Western Australia, Architects, "*Combined Starting, Result and Time Board Apparatus for Races and other purposes.*"—Dated 3rd August, 1903.

Application No. 4535.—FREDERICK ARTHUR JONES, of 91 Adelaide Terrace, Perth, Western Australia, Tramway Superintendent, "*Nozzle Appliances for Cleaning the Straight and Curved Grooves of Tram or other Railways.*"—Dated 3rd August, 1903.

Application No. 4538.—WILLIAM JOHN MINNIS, of Mackinnon Parade, North Adelaide, in the State of South Australia, and Commonwealth of Australia, Engineer, "*An improved Ore Pulverising Mill.*"—Dated 4th August, 1903.

Application No. 4539.—RODOLPHE JEAN WILLIAM GRASSET, of No. 10 Railway Place, South Yarra, in the County of Bourke, in the State of Victoria, in the Commonwealth of Australia, Mechanical Engineer, "*An improved Electrical Automatic Marine Governor.*"—Dated 4th August, 1903.

R. G. FERGUSON, Registrar of Patents.

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Name.	Title.	No.	Date.
Alexander, G. A. W.	A new or improved machine for washing clothing or wool	4543	11th Aug., 1903
Anderson, W. J....	*Vide* Henderson, J. C., and others	4553	13th Aug., 1903
Barnes, G.	*Vide* Lodge, J. G.	4548	12th Aug., 1903
Bowring, J. C.	An improved spark-arrester for locomotive and other boilers	4544	12th Aug., 1903
Brown, G. W., and Norton, G. M. ...	Improvements connected with furnace firebridges and adjoining parts of steam generators	4555	13th Aug., 1903
Burman, E. S.	*Vide* Henderson, J. C., and others	4553	13th Aug., 1903
Causer, P. J.	*Vide* Davidson, H., and others	4545	12th Aug., 1903
Coleman, E. M. G.	Improved mechanism for automatically igniting matches at predetermined times	4547	12th Aug., 1903
Davidson, H.; Causer, P. J.; and Richards, P. B.	An improved wire strainer	4545	12th Aug., 1903
Henderson, J. C.; Anderson, W. J.; and Burman, E. S.	An improved method of and apparatus for operating the presser plates of cheese and other presses	4553	13th Aug., 1903
Jolly, H. R.	An improved hose coupling	4552	13th Aug., 1903
Lodge, J. G. (*Barnes G.*)	A window sash support to facilitate the ready removal of sliding sashes from their frames	4548	12th Aug., 1903
McTear, B. F.	Improvements in or connected with the manufacture of tubes or hollow bodies	4550	12th Aug., 1903
Murphy, T. M.	An improved pressure tank	4542	10th Aug., 1903
Norton, G. M.	*Vide* Brown, G. W., and Norton, G. M.	4555	13th Aug., 1903
Richards, P. B.	*Vide* Davidson, H., and others	4545	12th Aug., 1903
Schultze, A.	*Vide* Shelton, G. T., and Schultze, A....	4554	13th Aug., 1903
Shelton, G. T., and Schultze, A. ...	Improvements in pneumatic tyre covers	4554	13th Aug., 1903
Smith, J. H.	*Vide* Thompson, J. C. W., and Smith, J. H.	4546	12th Aug., 1903
Sparrow, R. (*Stuart, H. R.*)	Improvements in apparatus for regulating and controlling the voltage of alternating current circuits	4549	12th Aug., 1903
Stuart, H. R.	*Vide* Sparrow, R.	4549	12th Aug., 1903
Thielemann, H., and Williamson, R. M.	A new or improved brake for two-wheeled vehicles ...	4551	13th Aug., 1903
Thompson, J. C. W., and Smith, J. H.	An improved apparatus for regulating the feeding and watering of cattle and other animals	4546	12th Aug., 1903
Williamson, R. M.	*Vide* Thielemann, H., and Williamson, R. M.	4551	13th Aug., 1903

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Title.	Name.	No.	Date.
Air Supply Device	Brown, G. W., and Norton, G. M.	4555	13th Aug., 1903
Alternating Currents	Sparrow, R. (*Barnes, G.*)	4549	12th Aug., 1903
Brakes	Thielemann, H., and Williamson, R. M.	4551	13th Aug., 1903
Chaff-feeding Pens	Thompson, J. C. W., and Smith, J. H.	4546	12th Aug., 1903
Cheese Presses	Henderson, J. C.; Anderson, W. J.; and Burman, E. S. ...	4553	13th Aug., 1903
Couplings	*Vide* Hose Couplings	4552	13th Aug., 1903
Cylinders	*Vide* Tubes	4550	12th Aug., 1903
Electrical Apparatus	*Vide* Alternating Currents	4549	12th Aug., 1903
Feeding, watering animals	*Vide* Chaff-feeding Pens	4546	12th Aug., 1903
Hose Couplings	Jolly, H. R.	4552	13th Aug., 1903
Matches (ignition of)	Coleman, E. M. G.	4547	12th Aug., 1903
Pressure Tanks	Murphy, T. M.	4542	10th Aug., 1903
Smoke Consumer	*Vide* Air Supply Device	4555	13th Aug., 1903
Spark Arrester	Bowring, J. C.	4544	12th Aug., 1903
Steam Generators	*Vide* Air Supply Device	4555	13th Aug., 1903
Tanks	*Vide* Pressure Tanks	4542	10th Aug., 1903
Tubes	McTear, B. F.	4550	12th Aug., 1903
Tyre Covers (pneumatic)	Shilton, G. T.; and Schultze, A.	4554	13th Aug., 1903
Washing Machine	Alexander, G. A.	4543	11th Aug., 1903
Window Sash Support	Lodge, J. G.	4548	12th Aug., 1903
Wire Strainer	Davidson, H.; Causer, P. J.; and Richards, P. B.	4545	12th Aug., 1903
Wool Washer	*Vide* Washing Machine	4543	11th Aug., 1903

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Name.	Title.	No.	Date.	*Gazette.* Date.	No.	Page.
Alcock, H. U.	Improved convertable settee and billiard table	4036	9th Sept., 1902	12th June, 1903	24	1559
Grattan, W.	Improvements in wire fencing	3859	7th May, 1902	27th Feb., 1903	9	531
Hasselbach, E.	An improved game called Roulette Billiards, and appliances for same	4161	3rd Dec., 1902	12th June, 1903	24	1559

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AUGUST 8TH—15TH.

Title.	Name.	No.	Date.	*Gazette.* Date.	No.	Page.
Billiard Tables	Alcock, H. U.	4036	9th Sept., 1902	12th June, 1903	24	1559
Fencing	*Vide* Wire Fencing	3859	7th May, 1902	27th Feb., 1903	9	531
Furniture	*Vide* Billiard Tables	4036	9th Sept., 1902	12th June, 1903	24	1559
Games (Roulette Billiards) ...	Hasselbach, E.	4161	3rd Dec., 1902	12th June, 1903	24	1559
Roulette Billiards	*Vide* Games	4161	3rd Dec., 1902	12th June, 1903	24	1559
Settee and Billiard Table (combined)	*Vide* Billiard Tables	4036	9th Sept., 1902	12th June, 1903	24	1559
Wire Fencing	Grattan, W.	3859	7th May, 1902	27th Feb., 1903	9	531

Trade Marks.

Patent Office, Trade Marks Branch,
Perth, 21st August, 1903.

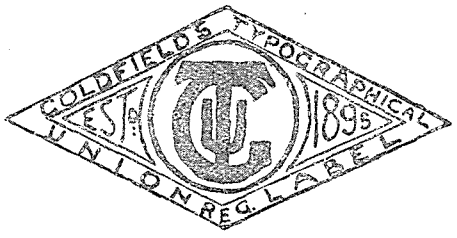
IT is hereby notified that I have received the undermentioned Applications for the Registration of Trade Marks.

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.

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

Application No. 2893, dated 8th August, 1903.—GOLDFIELDS TYPOGRAPHICAL UNION of Kalgoorlie, in the State of Western Australia, to register in Class 39, in respect of Paper, a Trade Mark, of which the following is a representation :—

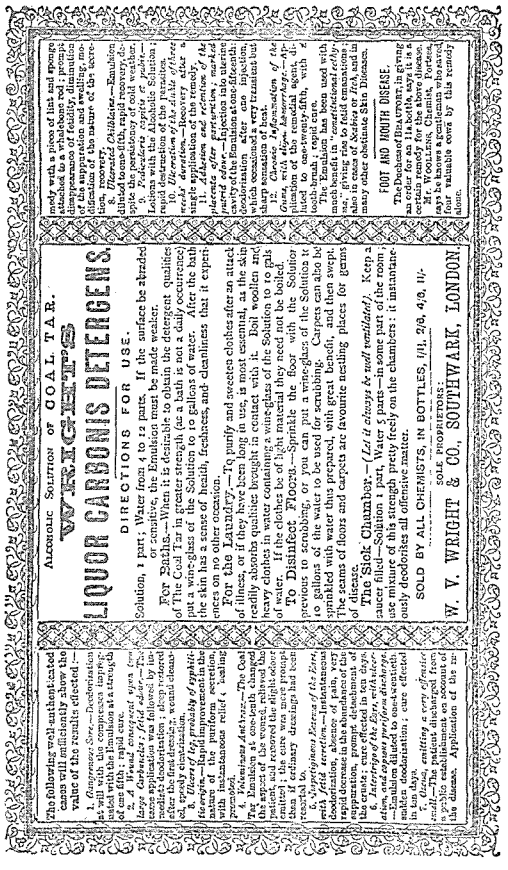


The essential particular of the above mark consists of the combination and devices.

Application No. 2895, dated 12th August, 1903.—WRIGHT, LAYMAN, & UMNEY, LIMITED, of 48 and 50 Southwark Street, London, S.E., in England, Manufacturing Chemists, to register in Class 48, in respect of Perfumed Soap, a Trade Mark, of which the following is a representation :—

The said Trade Mark having been used by the applicants and their predecessors in business in respect of the article mentioned for sixteen years before the 1st day of January, one thousand eight hundred and eighty-five.

Applications Nos. 2896 and 2897, dated 12th August, 1903.—WRIGHT, LAYMAN, & UMNEY, LIMITED, of 48 and 50 Southwark Street, London, S.E., in England, Manufacturing Chemists. Application No. 2896, to register in Class 2, in respect of a disinfectant, namely, "Liquor Carbonis Detergens"; Application No. 2897 to register, in Class 47, in respect of a detergent, namely, "Liquor Carbonis Detergens," a Trade Mark, of which the following is a representation :—



The said Trade Mark having been used by the applicants and their predecessors in business in respect of the article mentioned for sixteen years before the first day of January, one thousand eight hundred and eighty-five.

Subsequent Proprietors of Trade Marks Registered.

AUGUST 8TH—15TH.

[NOTE.—The names in brackets are those of former proprietors.]

Nos. 437-8, 448-9, 1171, 1714-5, 1944, 2018, 2029, 2037-8-9, 2040-1, 2178, 2410, 2444, 2471, and 2564, British-American Tobacco Company, Limited [Ogdens, Limited].

Alphabetical List of Registrants of Trade Marks.

AUGUST 8TH—15TH.

Name.	Goods.	Class.	No.	Date.	Gazette. No.	Gazette. Date.	Gazette. Page.
Boyle, W. G.; Stuart, J. T.; and Williams, J. W. (trading as Boyle, Stuart, & Williams)	Hams and bacon and German sausage	42	2668	12th Dec., 1902	52	26th Dec., 1902	4679
Eady	*Vide* Moore, Eady, & Co.	38	2826	27th May, 1903	23	5th June, 1903	1476
Gerstendorfer Bros. ...	Paints, enamels, varnishes, lacquers, and aluminium and bronze paints and powders	1	2831	2nd June, 1903	24	12th June, 1903	1563
Gerstendorfer Bros. ...	Paints, enamels, varnishes, lacquers, and aluminium and bronze paints and powders	1	2832	2nd June, 1903	24	12th June, 1903	1563
Lee, H. S.	Chemical substances prepared for use in medicine and pharmacy ...	3	2776	30th Mar., 1903	22	29th May, 1903	1396
Linley, F. M.	Shirts, collars, or cuffs, and shirt-waists, blouses, and pyjamas	38	2825	27th May, 1903	23	5th June, 1903	1476
Moore, Eady, & Co. ...	Hosiery and articles of clothing ...	38	2826	27th May, 1903	23	5th June, 1903	1476
Stuart, J. T.	*Vide* Boyle, W. G.; Stuart, J. T.; and Williams, J. W.	42	2668	12th Dec., 1902	52	26th Dec., 1902	4679
Vickery, J. S., & Son ...	A preparation for preserving eggs	2	2813	15th May, 1903	23	5th June, 1903	1476
Williams, J. W.	*Vide* Boyle, W. G.; Stuart, J. T.; and Williams, J. W.	42	2668	12th Dec., 1902	52	26th Dec., 1902	4679

Index of Goods for which Trade Marks have been registered.

AUGUST 8TH—13TH.

Goods.	Name.	No.	Date.	Class.	Gazette. No.	Gazette. Date.	Gazette. Page.
Aluminium	*Vide* Paints	2831	2nd June, 1903	1	24	12th June, 1903	1563
Aluminium	*Vide* Paints	2832	2nd June, 1903	1	24	12th June, 1903	1563
Bacon	*Vide* Hams	2668	12th Dec., 1902	42	52	26th Dec., 1902	4679
Blouses...	*Vide* Shirts	2825	27th May, 1903	38	23	5th June, 1903	1476
Bronze Paints and Powders	*Vide* Paints	2831	2nd June, 1903	1	24	12th June, 1903	1563
Bronze Paints and Powders	*Vide* Paints	2832	2nd June, 1903	1	24	12th June, 1903	1563
Chemical Substances...	Lee, H. S.	2776	30th Mar., 1903	3	22	29th May, 1903	1396
Clothing (articles of)	*Vide* Hosiery	2826	27th May, 1903	38	23	5th June, 1903	1476
Collars	*Vide* Shirts	2825	27th May, 1903	38	23	5th June, 1903	1476
Cuffs	*Vide* Shirts	2825	27th May, 1903	38	23	5th June, 1903	1476
Eggs (preserving) ...	Vickery, J. S., & Son	2813	15th May, 1903	2	23	5th June, 1903	1476
Enamels	*Vide* Paints	2831	2nd June, 1903	1	24	12th June, 1903	1563
Enamels	*Vide* Paints	2832	2nd June, 1903	1	24	12th June, 1903	1563
German Sausage ...	*Vide* Hams	2668	12th Dec., 1902	42	52	26th Dec., 1902	4679
Hams	Boyle, W. G.; Stuart, J. T.; and Williams, J. W.	2668	12th Dec., 1902	42	52	26th Dec., 1902	4679
Hosiery	Moore, Eady, & Co.	2826	27th May, 1903	38	23	5th June, 1903	1476
Lacquers	*Vide* Paints	2831	2nd June, 1903	1	24	12th June, 1903	1563
Lacquers	*Vide* Paints	2832	2nd June, 1903	1	24	12th June, 1903	1563
Medicine	*Vide* Chemical Substances	2776	30th Mar., 1903	3	22	29th May, 1903	1396
Paints	Gerstendorfer Bros.	2831	2nd June, 1903	1	24	12th June, 1903	1563
Paints	Gerstendorfer Bros.	2832	2nd June, 1903	1	24	12th June, 1903	1563
Pharmacy	*Vide* Chemical Substances	2776	30th Mar., 1903	3	22	29th May, 1903	1396
Pyjamas	*Vide* Shirts	2825	27th May, 1903	38	23	5th June, 1903	1476
Shirts	Linley, F. M.	2825	27th May, 1903	38	23	5th June, 1903	1476
Shirt Waists	*Vide* Shirts	2825	27th May, 1903	38	23	5th June, 1903	1476
Varnishes	*Vide* Paints	2831	2nd June, 1903	1	24	12th June, 1903	1563
Varnishes	*Vide* Paints	2832	2nd June, 1903	1	24	12th June, 1903	1563

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