



THIRD SUPPLEMENT
TO THE
VICTORIA
GOVERNMENT GAZETTE

OF FRIDAY, SEPTEMBER 29, 1893.

Published by Authority.

No. 128.]

MONDAY, OCTOBER 2.

[1893.]

OFFICIAL LIST OF PATENTS AND TRADE MARKS FOR THE MONTH
OF AUGUST, 1893.

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PART I.—PATENTS.

APPLICATIONS FOR PATENTS.

No. 10709. By Norman Knowles, of Mossfield and Egyptian Mills, Bolton, cotton spinner, and William Philipson, of Hillfold Mill, Astley Bridge, near Bolton, in the county of Lancaster, England, pneumatic tyre manufacturer, for "Improvements in the construction of driving belts." 1st August. Complete.

No. 10710. By Matthew Tankard, of Kangaroo Flat, Bendigo, Victoria, maltster, for "Improvements in boilers." 2nd August. Provisional.

No. 10711. By Clara Annie Cooke, of "Iolanthe," The Grove, Moreland, Victoria, married woman, for "Improved apparatus for forming perforated characters, letters, figures, or devices through paper, cloth, leather, or other material." 2nd August. Provisional.

No. 10712. By David Silver and Charles Thomas Silver, both of Tamworth, New South Wales, engineers, for "Improvements in sheep-shearing machines and in flexible shafts therefor." 2nd August. Complete.

No. 10713. By Leslie Gordon Corrie, of 206 Queen-street, Brisbane, Queensland, architect, for "An improved material for packing fruit and other articles, and process for manufacturing the same." 3rd August. Complete.

No. 10714. By Bedlington Bodycomb, of 477 Bourke-street, Melbourne, Victoria, patent agent, for "A new or improved form of policy or coupon for insurance against accident." 3rd August. Provisional.

No. 10715. By William Adams the younger, of Broken Hill, New South Wales, mining manager, for "A new compound and manufacture of high explosives." 4th August. Complete.

No. 10716. By Frederick Giles, of Fawkner-street, South Yarra, Victoria, engineer, for "A new or improved toy." 5th August. Provisional.

No. 10717. By Robert Perkins, of Gumbowis, South Australia, farmer, for "An improved elevator for leading wheat or grain in bags, applicable also to other purposes." 7th August. Complete.

No. 10718. By David McPherson, of 578 Chapel-street, South Yarra, Victoria, plumber and gasfitter, for "An improved high-pressure tapping machine for water mains." 7th August. Provisional.

No. 10719. By Charles Pratten, of Mary Ann-street, Ultimo, Sydney, New South Wales, manager of the Farmers and Dairyman's Milk Company, for "An improved candlestick." 7th August. Complete.

No. 10720. By Hugh Victor McKay, of Lydiard-street, Ballarat, Victoria, machinery merchant, for "Improvements in harvesters for stripping, winnowing, and bagging grain." 8th August. Provisional.

No. 10721. By Alfred George Jackson, of Gotha-street, Valley, Brisbane, Queensland, electrician, and Mary Allen Sutton, of Brisbane aforesaid, gentlewoman, for "Coin-freed electrical apparatus, specially applicable to automatic galvanic or shocking machines." 8th August. Complete.

- No. 10722. By Frederick Edward Sides, of Mount Mercer, near Ballarat, Victoria, grazier, for "An improved drain-cutting machine." 8th August. Provisional.
- No. 10723. By Carl Edward Kirmasse, of Numurkah, Victoria, civil engineer, for "An improved method of and apparatus for raising water." 9th August. Provisional.
- No. 10724. By Edwin James Foord, of Arrowtown, New Zealand, electrical engineer, for "An improved grab appliance, principally for the purpose of extracting rabbits and other burrowing animals from their holes or warrens." 9th August. Provisional.
- No. 10725. By Rose Mary Shelly, of High-street, Borough, London, England, married woman, for "Improvements in combination garments." 9th August. Provisional.
- No. 10726. By George Washington Smiley, gentleman, and Forest William Dunlap, engineer, both of 26 Coventry-street, London, W., England, for "Improvements in wheels for bicycles and other vehicles." 10th August. Complete.
- No. 10727. By William McKnight Alexander, of Bairnsdale, Gippsland, Victoria, engineer, for "Improvements in steam-engines." 10th August. Provisional.
- No. 10728. By David Deere Stephens, of Osborne House, Nicholson-street, Melbourne, Victoria, gentleman, for "An improved can opener." 11th August. Provisional.
- No. 10729. By George Fincham and Arthur Hobday, of Bridge-road, Richmond, near Melbourne, Victoria, organ builders, for "An improved tubular pneumatic action for organs having individual pallet sound boards." 11th August. Provisional.
- No. 10730. By James Channon, of Beaconsfield, Concord, near Sydney, New South Wales, merchant, for "An improved concentrator, usable preferably as an amalgamator and concentrator." 11th August. Complete.
- No. 10731. By George Wilhelm May, of 5 Sydney-street, Mount Alexander-road, Ascot Vale, Victoria, artist, for "An improved cylinder, with valve chest and valve therefor, for locomotive and other steam-engines." 14th August. Provisional.
- No. 10732. By George Sharpe, of "Glenview," Stanhope-street, Malvern, Victoria, gentleman, for "A starting gate for horse and pony races." 15th August. Provisional.
- No. 10733. By Alfred Dunning, of 142 Highett-street, Richmond, Victoria, commercial traveller, and John McLeod, of 240 Church-street, Richmond, Victoria, stock overseer, for "An improved preventative and dressing for diseases in horses' feet." 15th August. Provisional.
- No. 10734. By Brace, Windle, Blyth, and Co. Limited, of Goodall-street, Walsall, Staffordshire, England, saddlers ironmongers, for "Improvements in and connected with riding saddles." 15th August. Provisional.
- No. 10735. By George Thomas Booth, of Christchurch, New Zealand, engineer, for "Improvements in harrows." 15th August. Complete.
- No. 10736. By Hylmar Graff, of Margaret-street, South Yarra, Victoria, surveyor, and Francis William Clarey, of Commercial-road, Prahran, Victoria, agent, for "A new or improved plumb indicator." 16th August. Provisional.
- No. 10737. By John Evans, of Kensington, South Australia, clerk, for "Improved method of collecting and registering fares or tickets, and apparatus for that purpose." 16th August. Provisional.
- No. 10738. By Alfred William Howden, of 107 Charles-street, Abbotsford, Victoria, farmer, Henry Murdock Stewart, of 43 Park-street, Parkville, binder expert, and David Davidson, of 107 Charles-street, Abbotsford, aforesaid, blacksmith, for "An improved grain-reaping and twine-binding machine." 16th August. Provisional.
- No. 10739. By Richard Alexander Hamilton, of Queen-street, Brisbane, Queensland, civil engineer, for "An improved tent." 16th August. Complete.
- No. 10740. By Montague H. C. Shaan, of Preston, Victoria, engineer, for "An improvement in scum and sediment trapping for steam boilers." 17th August. Provisional.
- No. 10741. By Emery Arthur Clark, of 118 Bluff-street, Sioux city, county of Woodbury, state of Iowa, United States of America, gentleman, for "Electro-mechanical switch and system of electrical intercommunication." 17th August. Complete.
- No. 10742. By Lloyd Heber Chase, of "Namor," Hawthorn-road, Caulfield, Victoria, civil engineer, for "An improved optical fore-sight for rifles or other firearms and ordnance." 17th August. Provisional.
- No. 10743. By William Manley Jepson, of Warragul, Victoria, for "A potato planter." 18th August. Provisional.
- No. 10744. By John Sullivan, of 257 Inkerman-street, Balaclava, Victoria, manufacturer, for "A coin-operating lock." 18th August. Provisional.
- No. 10745. By Joseph Rule, of Austin-street, Footscray, Victoria, carpenter, for "Improvements in combined amalgamators, separators, and concentrators, and in flushing apparatus therefor." 18th August. Provisional.
- No. 10746. By Thomas Roberts, of Nathalia, Victoria, implement manufacturer, for "An improvement in the adjustable levers of ploughs." 19th August. Complete.
- No. 10747. By Francis Harley Davis, of Lodore, Helidon, Queensland, engineer, for "Improvements in boring machinery and in the mode of gripping and raising cores." 19th August. Complete.
- No. 10748. By Martin Wanner, of 405 Kent-street, Denver, Arapahoe county, Colorado, United States of America, metallurgist and chemist, for "Improvements in the process of refrigeration and improvements in refrigerating apparatus." 21st August. Complete.
- No. 10749. By Martin Wanner, of 405 Kent-street, Denver, Arapahoe county, Colorado, United States of America, metallurgist and chemist, for "Improved process of refrigeration and improved refrigerating apparatus by which it may be practised." 21st August. Complete.
- No. 10750. By Peter Thomas Johns, fitter, and Frederick Edmund Thorpe, engineer, both of 67 Palmer-street, Richmond, Victoria, for "An improvement in glazing wheels for glazing hides and fancy leather." 21st August. Provisional.
- No. 10751. By Henry Johnson, John Thomas Phillips, and John McGregor Dawson, all of the Sheffield Steel Works, Michael-street, Brunswick, Victoria, steelfounders, for "An improved plough share." 21st August. Provisional.
- No. 10752. By Samuel Reynolds, of Mansfield, Victoria, doctor of medicine, for "An improved method of and ingredients to be used in ascertaining the proportion of butter in milk." 21st August. Complete.
- No. 10753. By George Dixon Gould, of 343 Collins-street, Melbourne, Victoria, gentleman, for "The destruction of vermin in burrows, holes, or logs, &c." 23rd August. Provisional.
- No. 10754. By William Williams, of 21 Fink's Buildings, Elizabeth-street, Melbourne, Victoria, for "The protection of eggs in transit and in store." 24th August. Complete.
- No. 10755. By Margaret von Reiche, of Robinson's-road, Auburn, near Melbourne, Victoria, artist, for "The M. von Reiche spiral cone spark arrester." 24th August. Complete.
- No. 10756. By John Stewart MacArthur, managing director of the Cassel Gold Extracting Company Limited, and Charles James Ellis, technical chemist to the same company, both of 157 West George-street, Glasgow, in the county of Lanark, North Britain, for "Improvements in extracting gold and silver from ores and the like." 24th August. Complete.
- No. 10757. By Eliza Warner, of 1 Campbell-street, Northcote, Victoria, married woman, for "An improved non-granulating brown coal briquette." 25th August. Provisional.
- No. 10758. By Roderick Impey Murchison, of No. 3, sixth floor, Prell's Buildings, corner of Collins and Queen streets, Melbourne, Victoria, gentleman, for "An improved contrivance to be used for starting horse races." 25th August. Provisional.
- No. 10759. By Thomas Timmins, of the office of the Engineer for Existing Lines, Railway Department Offices, Spencer-street, Melbourne, Victoria, civil engineer, for "A new apparatus and method for calculating girder stresses and other elements of the same." 25th August. Provisional.
- No. 10760. By Thomas Edwards, of Sebastopol, Ballarat, Victoria, metallurgist, for "Improvements in the application of chlorine for the extraction of gold from pyrites, matte, quartz, or other material containing the same." 26th August. Provisional.
- No. 10761. By Robert Ferguson, engineer, and Aaron Turner Danks, merchant, both of 391 Bourke-street, Melbourne, Victoria, for "Improvements in milking machines whereby the vacuum is automatically cut off from the test tubes." 26th August. Complete.
- No. 10762. By Herbert Alexander King, of Camperdown, Victoria, for "Opening swing-gates." 26th August. Complete.
- No. 10763. By James Paterson, of Post-office Chambers, Elizabeth-street, Melbourne, Victoria, shearer, also of Sydney, New South Wales, for "Improvements in machine sheep shears." 28th August. Complete.
- No. 10764. By Alfred Ernest Buncle, of Parkside Iron Works, North Melbourne, Victoria, for "Improved adjustable top comb for chaffcutters." 28th August. Provisional.
- No. 10765. By Harry Williams, of 134 Somerset-street, Richmond, Victoria, engineer, and Thomas Langston Fisher, of the Albion Hotel, Port Melbourne, Victoria, mechanic, for "An improved rotary pump." 28th August. Provisional.

No. 10766. By William Addison Howe, of Carlton, in the county of Yam Hill, state of Oregon, United States of America, merchant, for "Earth augers." 28th August. Complete.

No. 10767. By John Hartnett, of Emo-road, East Malvern, Victoria, engineer, and David Moffat Robison, of "Laurieston," Church-square, Acland-street, St. Kilda, Victoria, engineer, for "Improvements in machines for milking cows and other animals." 29th August. Complete.

No. 10768. By Matthew William Charlton, of 46 Niel-street, Ballarat, Victoria, engineer, for "Improvements in stump-jump ploughs and other cultivating implements." 29th August. Complete.

No. 10769. By Ernst Egger, of 134 East 58th-street, in the city, county, and state of New York, United States of America, and Ferdinand August Wessel, care of Eeckemeyer and Osterheld Manufacturing Company, Yonkers, in the city of Westchester, state of New York aforesaid, electrical engineers, for "Electric cars." 29th August. Complete.

No. 10770. By Gabriel Eilenberg and Meyer Zeltner, both of 103 Exhibition-street, Melbourne, Victoria, manufacturers of waterproof goods, for an "Improvement in the seams of waterproof clothing." 29th August. Complete.

No. 10771. By Gabriel Eilenberg and Meyer Zeltner, both of 103 Exhibition-street, Melbourne, Victoria, manufacturers of waterproof goods, for "An improvement in the joints of the facings and pockets of waterproof garments." 29th August. Complete.

No. 10772. By Edward Arthur Brown, of Hudson-street, Coburg, near Melbourne, Victoria, embosser, for "An improved spark arrester for locomotive and other boilers." 29th August. Provisional.

No. 10773. By John Fester Stephenson, of Cranmore-street, Hawthorn, near Melbourne, Victoria, engineer, for "An improved apparatus for straining water, milk, tea, coffee, and other liquids in order to remove slime and other solid impurities therefrom." 30th August. Provisional.

No. 10774. By Mephan Ferguson, of Carlton Foundry, Leicester-street, Carlton, near Melbourne, Victoria, engineer, for "An improved method of and apparatus for welding sheets of iron." 30th August. Complete.

No. 10775. By Hugh McAndrew Deason, of Richard-street, Eaglehawk, Victoria, engineer, for "Improved spark arrester." 30th August. Provisional.

No. 10776. By John Buchanan, civil engineer, and Alexander Gordon, accountant, both of Broken Hill Chambers, 31 Queen-street, Melbourne, Victoria, for "Improvements in diving apparatus." 30th August. Provisional.

No. 10777. By David Cairns Young, of Alfred-street, Corowa, New South Wales, aerated water manufacturer, for "An improved bottling machine for ball-stoppered aerated water bottles." 30th August. Provisional.

No. 10778. By James Stewart, of Mortlake, Victoria, stable-keeper, for "An improved spark arrester." 30th August. Provisional.

No. 10779. By Charles Robison, of Church-square, St. Kilda, near Melbourne, Victoria, engineer, for "Improvements in centrifugal pumps for lifting water charged with foreign material." 31st August. Complete.

No. 10780. By James McIntosh, of Tragowel, Victoria, farmer, for "A combined rivet clincher and wire key." 31st August. Provisional.

No. 10781. By James Hickford, of 318 Little Collins-street, Melbourne, Victoria, decorator and signwriter, for "An improved method of giving lustre, depth, and brilliancy to all kinds of gilding on glass, in lettering, or ornamental work." 31st August. Provisional.

No. 10782. By Henry Selby Hele-Shaw, of University College, Liverpool, England, professor of engineering, for "Improvements in inkstands." 31st August. Complete.

No. 10783. By Benjamin Dunkerley, of Glenorchy, Tasmania, hatter and furrier, and James Dugdale, of Stockport, in the county of Chester, England, tin-plate worker, for "Improvements in cones employed in machines for forming hat bodies." 31st August. Complete.

PROVISIONAL SPECIFICATIONS ACCEPTED.

No.	Date of Acceptance.	Name.	Title.
	1893.		
10696	August 1	Robert Gerrand, jun.	An improved combined motor and agricultural implement, specially suited for the mallee country
10612	August 1	Richard Henry Pritchard	Cast steel die knives for leather cutting purposes for boot manufacturers, saddlers, and leather workers
10705	August 1	Benjamin Friederich Wilhelm Beissel	An improved anti-damp and preservative paint or solution
10677	August 2	Samuel Kenneth McIver	Improvements in kitchen ranges or one-fire stoves
10679	August 2	Edward Thunderbolt	Improvements in water wheels for motive power
10681	August 2	Andrew Cant	An improved water heater for bath purposes
10699	August 3	Thomas Woolrich Barke	An improved slow combustion stove for heating purposes, specially adapted to Victorian brown coal
10687	August 4	Marcel Certain	A new or improved method of and machinery or apparatus for treating silver ores, more especially those ores known as "rebellious" or "refractory," and commonly called the "sulphide ores"
10684	August 5	Edward Parker	Tree guards
10694	August 7	Edward Moran	An improved spark arrester for locomotive and similar steam-engines
10716	August 7	Frederick Giles	A new or improved toy
10711	August 8	Clara Annie Cooke	Improved apparatus for forming perforated characters, letters, figures, or devices through paper, cloth, leather, or other material
10720	August 11	Hugh Victor McKay	Improvements in harvesters for stripping, winnowing, and bagging grain
10722	August 11	Frederick Edward Sides	An improved drain-cutting machine
10724	August 11	Edwin James Foord	An improved grab appliance, principally for the purpose of extracting rabbits and other burrowing animals from their holes or warrens
10728	August 16	David Deere Stephens	An improved can opener
10671	August 18	Crisp Molineux Harridge	Chloride of ammonium inhaler
10710	August 18	Matthew Tankard	Improvements in boilers
10733	August 18	Alfred Dunning and John McLeod	An improved preventative and dressing for diseases in horses' feet
10718	August 19	David McPherson	An improved high-pressure tapping machine for water mains
10727	August 19	William McKnight Alexander	Improvements in steam-engines
10731	August 19	George Wilhelm May	An improved cylinder, with valve chest and valve therefor, for locomotive and other steam-engines
10734	August 19	Brace, Windle, Blyth, and Co. Limited	Improvements in and connected with riding saddles
10737	August 19	John Evans	Improved method of collecting and registering fares or tickets and apparatus for that purpose
10740	August 21	Montague H. C. Shann	An improvement in scum and sediment trapping for steam-boilers
10745	August 21	Joseph Rule	Improvements in combined amalgamators, separators, and concentrators, and in flushing apparatus therefor
10714	August 23	Bedlington Bodycomb	A new or improved form of policy or coupon for insurance against accident
10723	August 23	Carl Edward Kirmsse	An improved method of and apparatus for raising water
10732	August 23	George Sharpe	A starting gate for horse and pony races
10736	August 24	Hjalmar Graff and Francis William Clerey	A new or improved plumb indicator
10742	August 25	Lloyd Heber Chase	An improved optical fore-sight for rifles or other firearms and ordnance
10751	August 25	Henry Johnson, John Thomas Phillips, and John McGregor Dawson	An improved plough share
10759	August 30	Thomas Timmins	A new apparatus and method for calculating girder stresses and other elements of the same

COMPLETE SPECIFICATIONS ACCEPTED.

NOTE.—Any person desiring to oppose the grant of a patent on any of the undermentioned applications must, within two months from the date of publication of the acceptance, give notice at the Patent Office of such opposition.

No.	Date of Publication.	Name.	Title.
	1893.		
9870	August 4	William Shearing Bushby	An improved lock, principally applicable to railway carriage doors
10060	August 4	John Horace O'Brien and Lewis Henry Nelson	An improved lock-nut and bolt
10355	August 4	Edward Waters	An improved pumping engine
10413	August 4	Samuel Tonkin	A double-tyred tubular-spoked sectional naved wheel
10523	August 4	Otto Charles Schumacher and William Reid	An improvement in wheat-cleaning machines
10618	August 4	Edward Hope Kirkby	An improved electrical fire alarm, principally adapted for use at street corners
9972	August 11	Thomas Ferguson	Improvements in machinery for syruing and filling syphon bottles with aerated waters
10039	August 11	Thomas Edwards	Improvements in plates and crupper loops used in harness saddle-trees of every size, cab, gig, and buggy
10059	August 11	Alexander Lyon	An improved stump-jump plough
10066	August 11	John Dunlop Munro	An improved horse sweeping machine
10084	August 11	Thomas Warner	A combination extension fender and fire-guard
10140	August 11	Edward Hughes, Edward Joseph Rigby, and John Sinclair Pirrie	Improvements in rotary crushing and pulverizing machines, more especially adapted for metalliferous ores
10356	August 11	Edward Waters	Improvements in compound and triple expansion pumping engines
10387	August 11	Edward Duncan	Improved combined inlet and outlet valves for regulating water pressure for sanitary and other purposes
10418	August 11	William Henry Finlayson	Improvements in earth excavators
10519	August 11	Adolph Richard Trautmann	Improvements in appliances for and method of storing aerated waters in bulk and drawing same as required at a counter
10577	August 11	Melvin Linwood Severy	Apparatus for converting solar heat into continuous power
10641	August 11	John Henry Hill Duncan	Improvements in the manufacture of butter and in churns or apparatus therefor
10642	August 11	James Boreas Crook, William Augustino Busst, and Richard Bills	An improved woven-wire spring bolster or pillow rest
10659	August 11	Charles James Polain	An improved cash and parcel transit apparatus
10663	August 11	Robert Lascelles	Improvements in cooking utensils
10668	August 11	Robert Ferguson and Aaron Turner Danks	Improvements in milking machines
10674	August 11	Walter Greenshields	Improved hygienic shoulderettes
10678	August 11	Henry John Summerhayes	Belts for ore concentrators
10682	August 11	Thomas Livingstone	An improved valve attachment for ball hydrants to prevent the inflow of surface drainage to mains, said valve being also useful in pumps and engines
10337	August 18	William H. Quick	Preventing the inflow of deleterious material into mains of water supply, and mechanically regulating the outflow of water when required for fire extinction, flushing, or watering streets
10626	August 18	John Alwent Chapman	An appliance for causing an increased draught in grates or other fireplaces
10675	August 18	William Dundas Scott Moncrieff	Improvements in the treatment of sewage and in apparatus therefor
10680	August 18	Edward Waters	Improvements in or connected with crushing or grinding mills, more especially intended for grinding or reducing ores containing precious metals and for separating metals therefrom by amalgamation
10700	August 18	Cornelis Frederik Alexander Röell	Improvements in or connected with coin-operating or automatic delivery machines, and means for facilitating the storage and delivery of postage stamps therein
10701	August 18	Frederick York Wolseley	Improved automatic sheep branding and counting contrivances
10706	August 18	Joseph William Sutton	Improvements in the chlorination of pulverized ores containing gold or silver, and in apparatus therefor
9806	August 25	John Musson	Improvements in central-flue revolving calcining furnaces
9964	August 25	Albert Henry Whittington	An improved torch for lighting fires, and a ready method for boiling water, and torch suitable for firemen
10071	August 25	James Leslie	Coupling and uncoupling railway trucks and carriages
10113	August 25	Andrew McKellar	An improved folding box, specially adapted for the drapery trade
10498	August 25	Fred Walsh	Improved furnace and flue for steam boilers and such like
10699	August 25	Richard Russell Gubbins and George Harcourt	Improvements in tyres for the wheels of bicycles and other vehicles
10709	August 25	Norman Knowles and William Philipson	Improvements in the construction of driving belts
10713	August 25	Leslie Gordon Corrie	An improved material for packing fruit and other articles, and process for manufacturing the same
10719	August 25	Charles Pratten	An improved candlestick
10730	August 25	James Channon	An improved concentrator, usable preferably as an amalgamator and concentrator
10749	August 25	Martin Wanner	Improved process of refrigeration and improved refrigerating apparatus by which it may be practised

LETTERS PATENT SEALED.

No.	Date of Sealing.	Name.	Title.
1893.			
9812	August 1	T. Robinson and Company Limited	Improvements in combined harvesters
9983	August 1	Jorgen Thorsen Kofoed	An improved machine for bottling liquids
10403	August 1	Theodore Ostendorf	An improved cooling chamber for the preservation of animal and other substances
10415	August 1	William Kirkley Birkinshaw	Improvements in heads and points of picks and similar tools having movable operative parts
10427	August 1	John Cockerell	An improved potato plough and scarifying implement
10435	August 1	Frederick May, Alfred May, and August Heinrich Gustav Both	Improvements in and relating to machinery for threshing grain
10437	August 1	Jacob Sterns	Improvements in fasteners
10443	August 1	Edward Smith Higgins and Henry Charles Jenkins	Improvements in or relating to typewriters
10459	August 1	Leon Rieser and Charles Pierre Etienne Martin	An improved school, office, or study desk
10467	August 1	Cecil Andrew Berkeley Robertson	An improved pocket wire-strainer for mending and straining broken fencing wires
10475	August 1	Edward Waters	A process for the manufacture of brushes and brooms of every description
10490	August 1	Henry Arthur Wheat	Improvements in lamps for burning liquid hydro-carbons
10507	August 1	George Patric and George Creswell	An improved can for containing milk, cream, and other liquids
10522	August 1	William Everts Richards	Improvements in supports for books and other like articles
9871	August 8	William Henry Shaw	An improved combined condenser and feed-water heater for steam motors
10372	August 8	Massey Harris Company Limited...	Improvements in seed-sowing machines
10428	August 8	Charles Andrews	An improved cooking stove
10461	August 8	William John Everall	An improved fastening for leggings
10476	August 8	Edward Waters	An improved method and apparatus for bundling and binding fibrous materials for making brooms and the like
10526	August 8	Michael Ford	Improvements in sheep-shearing machines
10536	August 8	William Frederick Marks and Edward Barry	An improved safety cheque
10395	August 10	Joseph Cranwell and John Rintonll	An improved machine for moulding, printing, and cutting butter into pats of equal weights
9856	August 17	John Clayfield	An improved motor for water-raising, chaff-cutting, and other purposes
9885	August 17	Ferdinand Schmitt	Improvements in or relating to apparatus for heating water for bath purposes
10038	August 17	William Errington	A new or improved bridge
10073	August 17	Morris Lorois	Improvements in and connected with gas-engines or motors
10196	August 17	Louis Block	Gas compressing apparatus
10304	August 17	John Zimmerman	Improvements in and relating to the manufacture of cans or tins, the opening of which is to be effected by the removal of a strip of the metal
10423	August 17	William John McVeigh	Improvements in apparatus, and mode of using the same, for cooling milk and cream
10470	August 17	George Knowles	Improvements in ventilating apparatus, and in the means for regulating the action of same
10492	August 17	Joseph Birdus Smith Booth and Ernest Falconer	Improvements in telephones
10525	August 17	Herbert Leslie Manton and John Paterson	Improvements in cigars and cigarettes
10552	August 17	Elihu Thomson	Lightning arresters
10553	August 17	Elihu Thomson	Lightning arresters and discharge protectors
10044	August 22	Thomas Montessor Baldwin	An improved process of and apparatus for saving gold
10468	August 22	Alexander James	Improvements in means for hanging window sashes and the like
10480	August 22	William Middleton Burnett	An improved ensilage press
10484	August 22	Albert William Atwater and John Francis Mackie	Improvements in heat deflectors
10493	August 22	Frederick Giles and John Paterson	Improvements in the fittings of umbrella frames
10530	August 22	Nathan Leroy Raber	Improvements in amalgamators
10534	August 22	Andrew Given and Charles Bowtell Smith	A pulley capable of having its working diameter increased or decreased
10504	August 25	Olaf Terp	Improvements in emery wheels, grindstones, hones, millstones, and the like, and in the method of manufacturing the same
9923	August 29	Frederic William Priestley Parker	Improvements in boiler trial or gauge cocks
9926	August 29	William Hemers... ..	An improved shaft or pole coupling for road vehicles
10080	August 29	Thomas Hodgkinson	Improvements appertaining to brick-making machinery
10358	August 29	Edward Thunderbolt and Noah Farrar	Improvements in valves or cocks for retaining or regulating the flow of steam, hot or cold water, or gases or liquids
10515	August 29	Louis Block	Improved process of and apparatus and measuring valve for refrigerating purposes
10567	August 29	David Morgan	Improved apparatus for flushing stench traps and other pipes and passages, principally applicable to water closets and sinks
10571	August 29	Samuel Sealy Allin	Improvements in fluid-pressure check springs for doors
10585	August 29	Perey William Murray	An improved automatic attachment for vermin-proof fencing

PATENTS ON WHICH RENEWAL FEES HAVE BEEN PAID.

No.	Renewal Fee.	Name.
4002	3rd term	Henry Corrick
4672	"	Percival Everitt
4678	"	John Flynn
4785	"	Walter Smythe Bayston
7674	2nd term	Thomas Clement Hodgkinson
7947	"	Manfield Newton
7956	"	James Newland
7951	"	Edward Thunderbolt and James Fulton]
7973	"	John William Brown
7979	"	John Augustus Bagshaw and Thomas Henry Bagshaw (J. S. Bagshaw and Sons)
7997	"	William Reid Russell and Arthur Lucas Harrold
8000	"	Goodwin Draper
8002	"	Frank Septimus Devontaux Scott
8010	"	Maximilian Joseph Hartung
8012	"	Alfred Julius Boulé
8013	"	Alfred Julius Boulé
8038	"	Joseph Williams and John Timothy Turner
8101	"	Henry Shaw Smith
8115	"	Frederic George Moore
8146	"	Charles Ewatts Seymour
8155	"	Alfred Lawrence
8255	"	Patrick Bernard Delaney

PATENTS EXPIRED FOR NON-PAYMENT OF FEES.

NOTE.—These patents may be revived upon application to the Commissioner within six months (see *Patents Act 1890*, sec. 22).

No.	Name.	Title.	Term.
4647	Joseph Addison Eno	Improvements in steam generators	3rd term
4648	Alfred Savill Tomkins and Frank Arthur Cracknall	Improvements in apparatus for heating kilns for drying or carbonizing malt, grain, or other substances	"
4651	Joseph Stokes, Reece Williams, George Bennett, and Henry Summers	An invention for giving notice of high and low water in steam boilers	"
4655	John Abraham	A centrifugal pump	"
4661	James Lyle	Improvements in spray lamps	"
4680	David Edwards	An improved method of drawing barrows	"
4682	Edward Hazlehurst, William Hazlehurst, Thomas William Hazlehurst, and James Wolstenholme	Improvements in stoppering bottles	"
4695	Auguste Alexandre Rampant	An improved method of and apparatus for extracting the useful products from all descriptions of ores	"
7953	David Edwards	An improved seed-sowing machine	2nd term
7954	Edward Waters	Improvements in compound pumping engines	"
7962	George Speller Wright, Charles Ballard, and George Marshall	Improvements in the process of treating metalliferous ores	"
7968	John Ward Jones and Edward Kynaston Bridger	Improvements in the manufacture of boots and shoes	"
7976	William Ryley	Improvements in the stop or kicking gear for steam hammers	"
7978	Alfred Weigel	An improved process of making sparkling wines such as champagne	"
7980	Thomas Hope Henderson and John Ralph Goodisson	An improved child's cot	"
7984	Gordon Fyfe	An improved tool for rolling iron	"
7993	Sidney Smith	Improvements in cooling and refrigerating enclosures, and in apparatus therefor, and for other cooling and refrigerating purposes	"
7995	Murat Wakefield	Improvements in the construction of churns	"
7996	Alfred Upton Alcock	An improved electrical means for imparting heat to cooking and heating utensils	"
8000	Goodwin Draper	An improved disinfectant-delivering valve for use in earth closets	"
8003	Maurice James Keating	An improved compound marking disc to be used with rifle targets	"
8005	Benjamin Blevin, David Blevin, and Thomas Henry Maunder	Improvements in flexible driving gear, specially applicable for sheep-shearing machines	"
8006	William Henry Butler	Improvements in water heaters	"
8007	Bernard Moss and John Brachvogel	An improved pneumatic apparatus for locking and unlocking the doors of railway carriages	"
8014	James Anderson	An improved combined potato planter, digger, and gatherer	"
8016	James Hodgkinson	Improvements in mechanical stokers	"
8017	Ephraim Aldridge and Samuel Goth Cook	An improvement in the furnaces of steam boilers	"
8020	John Walter Waring	A convertible vehicle which may be used as a two or four wheeler	"
8022	Alexander Buchanan Munro	An improved harvester	"
8024	George Kiel	An improved feeding bag for horses while in harness	"
8025	Henry Shaw and Edward Shaw	Improvements in flexible pipe couplings	"
8026	Donald Grant Brown	Improved means for locking nuts on bolts	"
8029	Edward Waters	Improvements in seed-sowing machines	"
8030	Patrick Blackie and John Nisbet	An improved mechanical motion	"
8031	Patrick Blackie	Improvements in sheep-shearing machines	"
8032	Ashton Edward Whitten	Improvements in wheels of railway rolling stock	"
8033	Philip Thomas Godsal	Improvements in breech-loading small arms	"
8035	Michael Hearn and Morgan Donne	Improvements in typewriting machines	"
8037	Jeremy Taylor Marsh and Thomas Seaville Truss	Improvements in rotary propellers for the propulsion of vessels, also applicable for producing currents of air for all purposes	"

APPLICATIONS ABANDONED.

No.	Date of Abandonment.	Name.	Title.
	1893.		
10007	July 4	Charles Remberant Newton, Edward Sweet, and Darwin Samuel	An improved musical instrument or toy
10017	July 7	Max Pincus	Improved coupling contrivance for railway trucks and carriages
10019	July 7	William Robert Kindler	Improved means for allowing railway trucks to run upon either narrow or broad gauge railways
10020	July 7	James Artic St. John	An improved range boiler
10022	July 8	Arthur John Cuming	Improving railway signalling apparatus
10024	July 8	Charles Schleicher	An improved apparatus for separating the solid particles held in suspension in sludge and other similar fluids
10027	July 11	David Estler Blacke	An improved wire nail making machine
10028	July 12	Robert Ferguson	Improvements in connexion with milking machines
10029	July 12	Aaron Turner Danks	Improvements in and in connexion with portable spray pumps
10031	July 12	John Seymour	Improved safety appliances for mining and other lift cages
10034	July 13	Thomas Oliver Williams	An improvement in jointing and coupling machine belting
10035	July 13	George Perry	Improvements in hammocks
10050	July 16	Thomas Knight Steanes	Improvements in scissors and shears
10052	July 18	John Sullivan	A self-measuring funnel
10054	July 19	William Stone, Charles Ralston, James Gregg, and William Alfred Holmes	Improvements in lamps for burning the vapour of liquid hydrocarbon
10056	July 19	Charles Rhodes	An improved gully trap and sink
10058	July 20	William Bradshaw	An improved fastening for cesspans and feet for pan
10061	July 20	Montague Herbert Churchill Shann	Improvements in internal combustion engines
10068	July 21	Albert Jackson	An improvement in washer-headed nails for corrugated iron roofs and fences
10069	July 21	Albert Jackson	An improvement in nails for corrugated iron roofs and fences
10070	July 21	Alexander Dillon Duncan	An effectual process for separating the sediment from bottled ale (malt liquor) and all other liquors that are fermented by yeast except bottled stout
10076	July 22	Henry Bland and Arthur Edwin Battle	An improved fire-box for steam boilers
10079	July 25	William Brownbill	An improved method of sustaining life from drowning
10081	July 25	George Anderson Pepperell	An improved appliance for straining ropes, chains, and the like
10083	July 26	Edward James Foster	A new or improved guard holder for carving forks
10090	July 27	Thomas Quinlivan	An improved spark arrester for steam boilers
10096	July 29	David Chrystal	Chrystal's automatic shearing machine
10097	July 29	Samuel Lyndhurst Parker and George Waite	Improvements in printing machinery and process in connexion therewith
10098	July 29	Aaron Turner Danks	Improvements in connexion with spraying appliances
10101	July 30	William Farr Lightbody	Improvements in potato-digging machines
10102	July 31	Richard Long and David Carson	Improvements in amalgamators and concentrators for auriferous and other crushed ores
10104	July 31	Arthur Wise	Improvements in the fixing and adjustment of wickets as used for cricket playing
10105	July 31	David Chrystal	Tramway and railway life-saver

APPLICATIONS VOID.

(The complete specifications not accepted within the prescribed time.)

No.	Date of Application becoming void.	Name.	Title.
9613	4th July, 1893	William Charles Rowe and Charles James Polain	A slide fastener
9640	14th July, 1893	Charles James Polain	A pneumatic starter
9651	20th July, 1893	David Horsfall and Sam Clay	Improvements in pipes and pipe-joints
9681	31st July, 1893	William Miller	Preserving and keeping cool all meat, game, dairy produce, &c.
9724	17th August, 1893	John Walsh	An improved chamber, and appliances in connexion therewith, for drying wool

ASSIGNMENTS REGISTERED.

No.	Title.	Date of Registration.	Name of Assignee.	Whole or Part.
4169	The Acme feed water heater and purifier	30th August, 1893	John Macpherson	Whole
7820	A sap extractor, bleacher, and carbonizer for timber	29th August, 1893	William Brown	Whole
7922	Improved method of and apparatus for administering electricity to the human body	3rd August, 1893	Alexander King	Whole
8608	Improvements in tobacco-spraying machines	14th August, 1893	Hugh Dixon	Whole
8654	Improvements in journal-bearing lubricators	2nd August, 1893	Walter W. Smith and Company Limited	Whole
8813	An improved fastening for leggings	29th August, 1893	Augustus Dacre Lacy and John Osborne	Whole
9758	An improved machine for the manufacture of paper boxes	11th August, 1893	James William Hutt and Arthur James Phillips	Whole
10185	Spark arrester	24th August, 1893	Joseph Perl	Part

LICENCE REGISTERED.

No.	Title.	Date of Registration.	Name of Licensee.	Term.
*6180	Improvements in railway carriage and other seats	16th August, 1893	James Henry Boreas Crook, William Augustus Busst, and Richard Bills (Crook, Busst, and Co.)	Full

* Subject to the reservations contained in the deed of licence of the 20th day of July, 1893.

October 2, 1893.

4010

PART II.—TRADE MARKS.

APPLICATIONS FOR TRADE MARKS.

IZAL

CLASS 2.

3550. Chemical substances used for agricultural, horticultural, veterinary, and sanitary purposes. Newton, Chambers, and Company Limited, of Thorncliffe Ironworks and Collieries, near Sheffield, England, manufacturers. 2nd August, 1893. (As an invented word.)

NOXONA

CLASS 2.

3551. Chemical substances used for agricultural, horticultural, veterinary, and sanitary purposes. Newton, Chambers, and Company Limited, of Thorncliffe Ironworks and Collieries, near Sheffield, England, manufacturers. 2nd August, 1893. (As an invented word.)



CLASS 6.

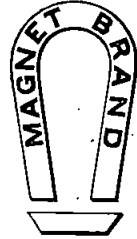
3581. Phonographs. The Edison United Phonograph Company, 21 Broad-street, New York, state of New York, United States of America. 23rd August, 1893. (As a distinctive label.)



The essential particulars of the Trade Mark are the following:—A yellow-coloured label, containing the concentric circular devices printed in black, the upper half of inner circle being coloured red; and applicants disclaim any right to the exclusive use of the added matter.

CLASS 17.

3582. Plaster of Paris. The Australian Gypsum and Whiting Company Limited, of 31 Queen-street, Melbourne, Victoria, plaster manufacturers. 24th August, 1893. (As a distinctive label.)



CLASS 38.

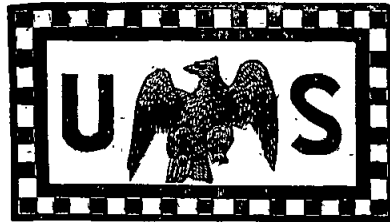
3549. Boots and Shoes. Alfred Henry Coney, of 311 Chapel-street, Prahran, near Melbourne, Victoria, boot and shoe maker. 31st July, 1893. (As a distinctive mark.)



The essential particulars of the Trade Mark are the following:—An impressed ribbon shield, bearing the words "Unbreakable Backs Corricks Patent," and applicants disclaim any right to the exclusive use of the added matter.

CLASS 38.

3532. Boots and Shoes. John Bedggood, Richard Henry Cooke, and William Frederick Greenwood, trading as "Bedggood and Co.," of 183 Flinders-lane east, Melbourne, Victoria, boot manufacturers. 6th July, 1893. (As a distinctive brand.)



The essential particulars of the Trade Mark are the following:—An eagle with outstretched wings in combination with the letters "U.S.," and applicant disclaims any right to the exclusive use of the added matter.

CLASS 42.

3579. Butter, Bacon, Cheese, Jam, Honey, and Sauces. James Richardson, of High-street, Bendigo, Victoria, provision merchant. 19th August, 1893. (As a distinctive label and brand.)



CLASS 43.

3578. Geneva. Fenwick Hamilton, trading as "Fenwick Hamilton and Company," of 29 Armstrong-street, Ballarat Victoria, wholesale grocers, wine and spirit merchants. 17th August, 1893. (As a distinctive label.)
No. 128.—OCTOBER 2, 1893.—2.



CLASS 45.

3548. Cigars. John Henry Veen and Co., of 52 Little George-street, Fitzroy, Victoria, cigar manufacturers. 27th July, 1893. (As a distinctive label.)



The essential particulars of the Trade Mark are the following:—A circular label, on which is the word "Tiger," and applicants disclaim any right to the exclusive use of the added matter.

CLASS 45.

3553. Tobacco, Cigars, Cigarettes, and Snuff. Dudgeon and Arnell Limited, of 524 Lonsdale-street, Melbourne, Victoria, tobacco manufacturers. 8th August, 1893. (As a distinctive label.)



The essential particulars of the Trade Mark are the following:—A circular label, on which is the word "Emu," and applicants disclaim any right to the exclusive use of the added matter.

CLASS 45.

3554. Tobacco, Cigars, Cigarettes, and Snuff. Dudgeon and Arnell Limited, of 524 Lonsdale-street, Melbourne, Victoria, tobacco manufacturers. 8th August, 1893. (As a distinctive label.)



The essential particulars of the Trade Mark are the following:—A circular label, on which are the words "Our Boys," and applicants disclaim any right to the exclusive use of the added matter.

CLASS 45.

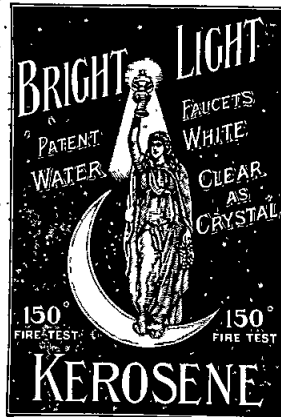
3555. Tobacco, Cigars, Cigarettes, and Snuff. Dudgeon and Arnell Limited, of 524 Lonsdale-street, Melbourne, Victoria, tobacco manufacturers. 8th August, 1893. (As a distinctive label.)



The essential particulars of the Trade Mark are the following:—A circular label, on which is the word "Tip," and applicants disclaim any right to the exclusive use of the added matter.

CLASS 45.

3556. Tobacco, Cigars, Cigarettes, and Snuff. Dudgeon and Arnell Limited, of 524 Lonsdale-street, Melbourne, Victoria, tobacco manufacturers. 8th August, 1893. (As a distinctive label.)



CLASS 47.

3583. Oil for Heating and Lighting. Foy and Gibson, of Smith-street, Collingwood, Victoria, warehousemen. 24th August, 1893. (As a distinctive label.)

"THE AMBROLITHE."

CLASS 50.

3559. Tobacco Pipes. Léonee Cayron, trading as "Vuillermoz Vuez," of 368 Little[Collins-street, Melbourne, Victoria, manufacturer of tobacco pipes. 14th August, 1893. (As a distinctive brand.)

TRADE MARKS REGISTERED.

No.	Name.	Class.	Gazetted.
3474	Thomas Johnstone Lipton	42	30.6.93
3475	Thomas Johnstone Lipton	42	7.7.93
3476	Thomas Johnstone Lipton	42	7.7.93
3501	William Hutton and Sarah Ann Hutton	42	7.7.93
3512	Henry Campbell and Co.	25	30.6.93
3514	Horrockses, Crewdson, and Company Limited	24	30.6.93
3516	Horrockses, Crewdson, and Company Limited	24	30.6.93
3520	Lister Henry	50	23.6.93
3526	The Edison and Swan United Electric Light Company Limited	13	30.6.93
3527	Emma Youens	42	30.6.93
3531	Henry Lewis	45	7.7.93
3534	J. Frossard and Co.	45	14.7.93
3535	Robert Edward Evenden	13	14.7.93
3536	Robert Edward Evenden	13	14.7.93
3537	The Fresh Food and Frozen Storage Company Limited	42	14.7.93
3538	Daniel John Chandler and William Harvey Chandler	20	14.7.93
3539	Daniel John Chandler and William Harvey Chandler	20	14.7.93
3540	Marie Gabrielle Francoz	38	21.7.93
3541	Elijah Adams Morse (Morse Brothers)	50	21.7.93
3542	Blashki Brothers	45	21.7.93
3543	David Mitchell	42	21.7.93
3550	Newton, Chambers, and Company Limited	2	4.8.93
3551	Newton, Chambers, and Company Limited	2	4.8.93

SUBSEQUENT PROPRIETORS REGISTERED.

No.	Former Proprietor.	Subsequent Proprietor.	Class.
69	The Trustees, Executors, and Agency Company Limited	Hugh Robert Dixson	45
70	The Trustees, Executors, and Agency Company Limited	Hugh Robert Dixson	45
74	The Trustees, Executors, and Agency Company Limited	Hugh Robert Dixson	45
75	The Trustees, Executors, and Agency Company Limited	Hugh Robert Dixson	45
2290	The Kinney Tobacco Company	The American Tobacco Company	45

TRADE MARKS RENEWED.

No.	Renewal Fee.	Name of Proprietor.	Class.
68	Fourteenth year ...	J. N. Harris and Co.	3
69	" ...	Hugh Robert Dixson	45
70	" ...	Hugh Robert Dixson	45
74	" ...	Hugh Robert Dixson	45
75	" ...	Hugh Robert Dixson	45
105	" ...	David Hostetter and George Washington Smith (Hostetter and Smith)	3
106	" ...	David Hostetter and George Washington Smith (Hostetter and Smith)	3
107	" ...	David Hostetter and George Washington Smith (Hostetter and Smith)	3
253	" ...	Blankenheijm and Nolet	43
254	" ...	Blankenheijm and Nolet	43

APPLICATIONS ABANDONED.

No.	Date of Application.	Name.	Gazetted.
3382	1893, January 11	Rollime and Company	—
3394	January 23	Charles Nathan Schureck	—

THOS. PROUT WEBB,
Commissioner of Patents and of Trade Marks.