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GOVERNMENT GAZETTE
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OFFICIAL LIST OF PATENTS AND TRADE MARKS FOR THE MONTH
OF FEBRUARY, 1893.

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PART I.—PATENTS.

APPLICATIONS FOR PATENTS.

No. 10293. By Arthur Otto Sachse, of 434 Collins-street, Melbourne, Victoria, patent agent, for "An improved cooking utensil." 3rd February. Provisional.

No. 10294. By Bernard Moss, of 123 Victoria-parade, Fitzroy, Victoria, clerk, for "An improved automatic coin-freed contrivance for delivering single cards." 3rd February. Provisional.

No. 10295. By John Ebbs, of Tennyson-street, St. Kilda, Victoria, civil engineer, for "Improvements in apparatus for flushing sewers." 3rd February. Provisional.

No. 10296. By Joseph Colley, of Gladstone Villa, Derby-street, Camberwell, Victoria, Government armourer, for "Improvements in action-retaining mechanism of small arms." 4th February. Complete.

No. 10297. By Alexander Crawford, of 458A Little Collins-street, Melbourne, Victoria, gentleman, for "Caponizing fowls." 6th February. Provisional.

No. 10298. By Andrew MacKay, of 50 Oban-street, Hawksburn, Victoria, for "An improved ledger and hand-rest for ledger-keepers and for artists who paint small ornaments, china, glass, &c." 6th February. Provisional.

No. 10299. By Parker Cogswell Choate, of New York city, state of New York, United States of America, metallurgist, for "Improvements in the art of producing metallic zinc." 6th February. Complete.

No. 10300. By James Mason, of Moliagul, Victoria, farmer and blacksmith, for "An improved machine to cut furrows and distribute poisoned grain for the destruction of rabbits." 7th February. Provisional.

No. 10301. By Herbert King Hancock, of 287 Victoria-street, West Melbourne, Victoria, tinsmith, for "An improved method of ventilating milk cans." 7th February. Provisional.

No. 10302. By Gerard Beekman, of New York city, state of New York, United States of America, gentleman, for "Improvements in harvesting machines." 7th February. Complete.

No. 10303. By Oscar Brunler, of Branstrasse, Entritzstz-Leipzig, Germany, engineer, for "Method of heating steam boilers by means of a flame developed inside the boiler." 8th February. Complete.

No. 10304. By John Zimmerman, of 3715 Forest-avenue, in the city of Chicago, state of Illinois, United States of America, manufacturer, for "Improvements in key-opening cans and methods of making the same." 8th February. Complete.

No. 10305. By Robert Ashton Lister and Mikael Pedersen, both of Dursley, in the county of Gloucester, England, engineers, for "Improvements in or applicable to centrifugal machines for separating liquids." 8th February. Complete.

No. 10306. By John Raphael Rogers, inventor, and Fred Eugene Bright, machinist, both of Cleveland, Ohio, United States of America, for "Improvements in and relating to apparatus for distributing type and for making stereotype matrices therefrom." 8th February. Complete.

No. 10307. By William Scott, of Moonlight Farm, Round Hill, near Quorn, South Australia, farmer, for "Improvements in contrivances for loading or unloading grain or other substances in bags." 9th February. Provisional.

No. 10308. By James Hazel Adamson, of 23 Hawke-street, West Melbourne, Victoria, engineer, for "Improvements in and relating to rotary engines." 9th February. Provisional.

No. 10309. By Robert Ferguson, of Grosvenor-street, Moonee Ponds, Victoria, engineer, for "Improvements in milking machines." 10th February. Complete.

No. 10310. By John Alves, jun., of 17 Market Buildings, Flinders-lane, Melbourne, Victoria, legal manager, for "An improvement in shirt cuffs." 11th February. Provisional.

No. 10311. By James Greenhill, of Barnawartha, Victoria, carpenter and builder, for "Improvements in grape mills." 11th February. Provisional.

No. 10312. By John Alston Wallace, of Collins-street, Melbourne, Victoria, landed proprietor, for "An improved incandescent gas-burner." 13th February. Provisional.

No. 10313. By Robert Ogg, of 49 Main-road, Ballarat East, Victoria, plumber, for "An improved water heater." 13th February. Provisional.

No. 10314. By L. Cox, of 49 Cabitt-street, South Richmond, Victoria, for "Safety gear for the automatic opening and closing the doors for passenger lifts." 13th February. Provisional.

No. 10315. By Harry Allen, of London, England, for "Improvements in or relating to projectiles and the use of high explosives therein." 13th February. Complete.

No. 10316. By George Lander Thieff, of 1440 Aisquith-street, in the city of Baltimore, state of Maryland, United States of America, manufacturer, for "Improvements in apparatus for controlling the draught in chimneys." 13th February. Complete.

No. 10317. By Robert Carey, of 43 Arlingford-road, Brixton, in the county of Surrey, England, engineer, for "Improvements in hydraulic lifts." 13th February. Complete.

No. 10318. By Joseph Allison Coombes, of 12 Carteret-street, Westminster, England, mining engineer, for "Improvements in separators suitable for separating gold and other precious or valuable metals from gravel, pulverized quartz, and the like." 13th February. Complete.

No. 10319. By Annie Smales, of 14 Q. D. Bank Chambers, Adelaide-street, Brisbane, Queensland, gentlewoman, for "Improvements in the construction of railway rolling-stock to enable same to be used on railways of different gauges, and appliances connected therewith." 14th February. Provisional.

No. 10320. By George Fagg, of 9 Elizabeth-street, Hobart, Tasmania, architect, for "An improved automatic machine for nailing fruit and other wooden boxes." 14th February. Provisional.

No. 10321. By Edward James Crawford Wraith, of Wallan, Victoria, engine-driver, for "An improved spirit-level." 14th February. Provisional.

No. 10322. By William Henry Allen, of Stanley-street, South Braybrook, Victoria, manufacturing chemist, for "An improved woolwashing composition." 14th February. Provisional.

No. 10323. By Samuel Edward Haskin, of Avoca, Steuben county, state of New York, United States of America, for "Improved process and apparatus for vulcanizing wood." 15th February. Complete.

No. 10324. By James Scott, of Beechworth, Victoria, foreman of water supply, and James Cunningham, of Beechworth, aforesaid, ironmonger and plumber, for "An improved cowl for fire-plugs." 16th February. Provisional.

No. 10325. By Hugh Thomson, of "Thornton," Studley Park-road, Kew, near Melbourne, Victoria, tanner, for "Improvements in valves for fire-plugs and hydrants, and means for operating same." 16th February. Complete.

No. 10326. By George White, of 364 Brunswick-street, Fitzroy, Victoria, bootmaker, for "An improved contrivance for aiding persons in swimming." 17th February. Provisional.

No. 10327. By Herbert Merriman, of 611 Little Lonsdale-street, Melbourne, Victoria, brassfounder, for "An improved valve for hydrants and fire-plugs." 17th February. Provisional.

No. 10328. By John Lewis, of Gold-street, Clifton Hill, Victoria, engineer, for "An improved ripple for attachment to rotary crushing machines and amalgamators." 18th February. Provisional.

No. 10329. By Philip Conyngham, of 539 High-street, East Prahran, Victoria, for "Improved method of hanging venetian blinds." 20th February. Provisional.

No. 10330. By Thomas Phillips, of Melbourne, Victoria, carpenter, for "A vegetable compound." 21st February. Complete.

No. 10331. By Elisha Tippet, of Long Gully, Bendigo, Victoria, mining manager, for "A new or improved solution for extracting precious metals from argentiferous and auriferous ores." 22nd February. Provisional.

No. 10332. By Hannah Fox Harding, of Sydney, New South Wales, nurse, for "An improved mattress for the use of invalids." 22nd February. Complete.

No. 10333. By Robert Harvey, of Rowena-street, Balaclava-road, Caulfield, Victoria, gentleman, for "Improved method of locking bails." 22nd February. Provisional.

No. 10334. By Hugh Thomson, of "Thornton," Studley Park-road, Kew, near Melbourne, Victoria, tanner, for "An improved fire-plug." 23rd February. Provisional.

No. 10335. By Benjamin Household, of Waverley, near Sydney, New South Wales, builder and contractor, for "Improvements in louver shutters of venetian blinds." 24th February. Complete.

No. 10336. By John Hartnett, of Bay View Villa, St. Patrick-street, Oakleigh, Victoria, and David Moffatt Robison, "Laurieston," Church-square, Acland-street, St. Kilda, Victoria, engineers, for "Improvements in the teat appliance for milking machines." 24th February. Complete.

No. 10337. By William H. Quick, of Melbourne, Victoria, sharebroker, for "Preventing the inflow of deleterious material into mains of water supply, and mechanically regulating the overflow of water when required for fire extinction, flushing, or watering streets." 27th February. Provisional.

No. 10338. By Henry Clay Fletcher, of 41 and 43 Little Latrobe-street, Melbourne, Victoria, wireworker, for "An improved spark arrester for locomotives and steam-engines." 27th February. Complete.

No. 10399. By Edmund Paul Dignan, of Wilmington, South Australia, machinist, for "Improvements in and relating to the driving gear of stripping machines." 28th February. Provisional.

PROVISIONAL SPECIFICATIONS ACCEPTED.

No.	Date of Acceptance.	Name.	Title.
1893.			
10238	February 2	Joseph Henry Benning ...	A new balance roller for blinds
10249	February 3	William Manston Fletcher ...	Improvements in cream cans
10247	February 4	Thomas Campbell Simonton ...	An improved machine for extracting gold from auriferous sand and gravels and pulverized ores
10251	February 6	Henry Jeremiah Smith ...	An improved shaving brush
10260	February 7	James David Edwards ...	An improved sheaf carrier for reaping and binding machines
10262	February 7	Annie Frances Whittles ...	An improved apparatus for heating milk prior to treating it in cream separators or for cheese making
10248	February 8	William McNamara ...	An improved lemon squeezer for squeezing or extracting the juice from lemons or other fruits
10263	February 8	John Turnbull ...	An improved apparatus for washing coal, applicable also for separating metalliferous ores and other substances of different specific gravities
10264	February 8	Herbert Cave ...	An improved process and apparatus for destroying rabbits in rabbit burrows
10266	February 8	George Boulton Browne Elliott ...	Improvements in jiggling machines
10267	February 8	William Thomas Mack ...	A new or improved reference index
10269	February 8	Johann Wilhelm Ludwig Rohde ...	New or improved means for securing detachable ornaments in articles of jewellery
10273	February 8	Thomas William Fletcher ...	An improved washing stick
10274	February 8	Sidney Cooke ...	An improved pivotal-bearing plunger block
10277	February 8	Charles Schino ...	An improved grape separating and crushing machine
10279	February 8	Alfred Litchfield ...	Concentrating and separating minerals from their natural earths
10280	February 8	Ernest Henry Kinleside Crawford ...	An improved signalling truncheon for constables
10288	February 8	John Saxby the younger ...	Improvements in ticket punchers
10293	February 8	Arthur Otto Sachse ...	An improved cooking utensil
10294	February 8	Bernard Moss ...	An improved automatic coin-freed contrivance for delivering single cards
10278	February 9	Cecil Edwin Paterson ...	Improvements in a threshing machine
10298	February 9	Andrew Mackay ...	An improved ledger and hand rest for ledger keepers and for artists who paint small ornaments, china, glass, &c.
10300	February 9	James Mason ...	An improved machine to cut furrows and distribute poisoned grain for the destruction of rabbits
10216	February 10	Thomas Robert Raney Ashton ...	A new and improved magazine fire-arm
10231	February 10	William Henry Peard ...	A new and improved safe cooling cover
10259	February 11	Herbert Stocker Wymond ...	An improved lock nut and bolt
10284	February 11	Edward Duncan ...	An improved combined plunger valve and valved cistern for sanitary and other purposes
10287	February 11	Edmund Taylor ...	Improved apparatus for supplying a current of cold dry air to refrigerating chambers
10291	February 11	Montague Herbert Churchill Shann ...	Improvements in water tube boilers
10307	February 11	William Scott ...	Improvements in contrivances for loading or unloading grain or other substances in bags
10295	February 13	John Ebbs ...	Improvements in apparatus for flushing sewers
10311	February 13	James Greenhill ...	Improvements in grape mills
10301	February 14	Herbert King Hancock ...	An improved method of ventilating milk cans
10308	February 14	James Hazel Adamson ...	Improvements in and relating to rotary engines
10310	February 14	John Alves, jun. ...	An improvement in shirt cuffs
10245	February 15	Samuel Charles Whitworth ...	An improved frame for hoods of perambulators and other hooded carriages or vehicles
10321	February 15	Edward James Crawford Wraith ...	An improved spirit level
10297	February 16	Alexander Crawford ...	An improved instrument to be used in caaponizing poultry
10319	February 16	Annie Smales ...	Improvements in the construction of railway rolling-stock to enable same to be used on railways of different gauges, and appliances connected therewith
10268	February 17	George Harry Goodwin Wharington ...	Interlocking apparatus for cheese vats, skips, and hoops
10313	February 17	Robert Ogg ...	An improved water heater
10320	February 18	George Fagg ...	An improved automatic machine for nailing fruit and other wooden boxes
10322	February 20	William Henry Allen ...	An improved wool-washing composition
10324	February 20	James Scott and James Cunningham ...	An improved cowl for fire plugs
10258	February 21	John Horace O'Brien ...	Improvements in milk testers
10314	February 21	L. Cox ...	Safety gear for the automatic opening and closing the doors for passenger lifts
10326	February 21	George White ...	An improved contrivance for aiding persons in swimming
10327	February 21	Herbert Merriman ...	An improved valve for hydrants and fire plugs
10329	February 21	Philip Conyngham ...	Improved method of hanging venetian blinds
10328	February 22	John Lewis ...	An improved ripple for attachment to rotary crushing machines and amalgamators
10102	February 23	Richard Long and David Carson ...	Improvements in amalgamators and concentrators for auriferous and other crushed ores
10333	February 23	Robert Harvey ...	Improved method of locking bails
10331	February 27	Elisha Tippet ...	A new or improved solution for extracting precious metals from argentiferous and auriferous ores

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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.			
9456	February 3	Francis Beeby Wallis and John James Sampson	An improved speed gearing for bicycles and velocipedes
9603	February 3	George Canfield Blickensderfer ...	Improvements in and relating to type-writers
10208	February 3	Edward Waters ...	Improvements in envelope machines
10210	February 3	Alexander Watson, Walter William Watson, and Owen Betts	An improved apparatus for drawing beer or other liquids in certain proportions from two different sources
10224	February 3	Frederick Giles ...	An improved appliance for use in connexion with trace hooks in vehicles
10225	February 3	George John Hoskins and Charles Henry Hoskins	Improved apparatus to be used in welding metal pipes and similar constructions
10235	February 3	Killingworth William Hedges ...	Improvements in linings for bearings and other rubbing purposes
10241	February 3	William Stone, Charles Ralston, James Gregg, and William Alfred Holmes	Improvements in vapour lamps
9457	February 10	Joseph Vaughan ...	An improvement in iron posts for wire fences
9675	February 10	Edward Waters ...	Improvements in cigarette machines
9700	February 10	James Hazel Adamson ...	Improvements in combs for harvesting and stripping machines
9740	February 10	Ferdinand Fanta ...	A new self-acting apparatus for the production of oxygen
9798	February 10	Charles Harris Emerson ...	Improvements in boomerang guns or projectors
10012	February 10	Walter Brown Harvey Dayson ...	Improvements in waste-preventing taps or valves
10198	February 10	Arthur Maitland Keays ...	Improvements in incubators and apparatus for the artificial hatching of eggs by heat, and in part applicable for rearing chickens and other young birds
10161	February 10	Theodore Joshua Rasleigh and John Hern	Improvements in the construction of sanitary utensils for bedrooms, dry-earth closets, and house slops
10207	February 10	Charles Burgon and Harry Burgon	Improvements in apparatus for shearing or clipping sheep and other animals
10213	February 10	James Hill ...	An improved interchangeable boot heel
10227	February 10	James Channon ...	An improved amalgamating machine
10236	February 10	James Martin ...	An improved hydro-carbon motor
10237	February 10	Moe Albert Meyer ...	Improvements in automatic telephone and other electric exchanges
9473	February 17	Palmer and Rey ...	Improvements in gas and gasoline engines
9610	February 17	Thomas Cusdin ...	An improved horseshoe
9781	February 17	William George Scott ...	Improvements in railway signalling apparatus
10053	February 17	Eugene David Bush ...	Improvements in the method of and appliances for constructing fire-proof ceilings, roofs, partitions, and such like coverings
10168	February 17	Joseph William Sutton ...	Improvements in the separation of gold from its chloride solution
10215	February 17	Charles Madison Martin and William Reeves Lee	An improved compound (and mode of making the same) for scouring wool and other materials and for domestic cleansing purposes
10250	February 17	Charles Mortimer Lindsey ...	Improvements in cutting, grinding, and polishing material
10256	February 17	William Cowan ...	Improvements in prepayment coin-freed gas meters, and in part applicable to non-prepayment gas meters
9530	February 23	Jules Renard ...	An improved potato digger
9584	February 23	Charles Nicholas Morris and Allan Murray Ayles	Improvements in the construction of and apparatus to be used for cash railways in stores
9645	February 23	Henry McGowan ...	An improved plough share
9702	February 23	George Henry Maddin and George Selman	Improvements in the manufacture of embossed letters for window, facial, and other signs, show cards, and the like, and in apparatus therefor
10112	February 23	Joseph William Johns ...	Improvements in mills for grinding spices, bones, bark, cement, and other like substances
10220	February 23	John Durand Bangert ...	Improvements in apparatus for mixing flour and other materials
10255	February 23	Edward Douglas ...	Improved method of and circulating apparatus for heating water

PROVISIONAL SPECIFICATIONS REFUSED.

No.	Date Refused.	Name.	Title.
1893.			
9768	February 21	Layton Gent Sherman Gale ...	Improved safety shaft coupling
9791	February 21	John Milson Harding ...	An improved window-sash fastener
9798	February 21	Alix Daunay ...	Advertising on envelopes

COMPLETE SPECIFICATIONS REFUSED.

No.	Date Refused.	Name.	Title.
1893.			
9444	February 11	Thomas Kane ...	Improvements in and relating to candy and processes of manufacturing the same
9356	February 21	Henry Clay Nye ...	Device for preventing the incrustation of steam boilers
9639	February 21	Walter Prosser Heskett, Thomas James Heskett, Alfred John Heskett, and Joseph Tate	An improved process for extracting gold and silver from antimony ores
9638	February 21	Cornelius Alfred Folly, William Livingston Flanagan, and De Witt Clinton Ward	Improvements in and relating to screw couplings for pipes and other screw joints
10005	February 24	Murdoch McDonald ...	A combined harrower and seed-sower
10137	February 9	Leslie Gordon Corrie ...	An improved means for packing agricultural produce, fruits, plants and flowers

COMPLETE SPECIFICATION ABANDONED.

No.	Date of Abandonment.	Name.	Title.
	1893.		
9131	February 8	Woodford Pilkington	Improvements in rope traction apparatus for railways or tramways

APPLICATION FOR AMENDMENT.

No.	Date of Advertisement in Gazette.	Name.	Title.
	1893.		
9134	February 24	Henri Galopin	Improvements in and connected with apparatus for regulating the supply of liquid hydro-carbon to lamp and other burners in houses, railway carriages, and other structures

LETTERS PATENT SEALED.

No.	Date of Sealing.	Name.	Title.
	1893.		
9166	February 1	Conrad Lohmann	Improved apparatus for obtaining motive power by means of water and compressed air
9244	February 1	Herbert Thomas Hamilton ...	Improvements in the seats of closets and commodes
9313	February 1	William Nelson and James Just Niven	Improved means or apparatus for actuating by any suitable fluid the reciprocating levers of sheep-shearing machines
9335	February 1	John Walker Newall	An improved apparatus for clipping hair or wool
9375	February 1	Elijah G. Amos	A new and improved iron window-shutter
9413	February 1	Hubert Ayres	Improved apparatus for generating and supplying poisonous fumes to rabbit burrows
9420	February 1	Felix Ernest Furphy and James Orr Gourlay	Improvements in hollow tapered steel swingle-trees
9442	February 1	John William Horwood	Improved contrivances for fastening the lids or covers on cess or service pans
9494	February 1	Frederick Arthur Atkinson ...	Improvements in apparatus for working and interlocking points and signals on railways
9593	February 1	Elisha Barton Cutten	Improvements in the method of and apparatus for producing caustic soda
9616	February 1	Edward Hibberd Johnson ...	Improvements in switches for electrical circuits
9637	February 1	Thomas Lishman	Improvements in apparatus for generating steam
9658	February 1	The Central Cyclone Company Limited	Improvements in rotary apparatus for pulverizing or disintegrating grain and other dry substances
9663	February 1	Edgar Arthur Ashcroft and John Howell	An improved mode of and apparatus for generating steam by the aid of molten slag from smelting and other furnaces
9695	February 1	Wellington Parker Kidder ...	Improvements in type-writing machines
9761	February 1	William Correll, Joseph Correll, and Edward Correll	Improvements in combs for winnowers and grain-cleaning machines
9814	February 1	Abraham Sniders	An improved butter cooler
9828	February 1	Walter Swain and William Philipson	Improved means for enclosing or protecting inflatable tyres for bicycles, tricycles, and other road vehicles
9837	February 1	William Henry	Electrical generator
9854	February 1	Robert Latta	Air stuffing for riding saddles
9874	February 1	Edward Steele	Improvements in travelling surf derrick
9880	February 1	John Cameron and Hugh McKintosh	Improvements in sighting and laying guns
9932	February 1	William Brown	An interlocking fastening for boots, leggings, and gaiters
9879	February 2	The Pneumatic Tyre and Booth's Cycle Agency Limited	Improvements in and relating to pneumatic and similar tyres
9935	February 2	Wallace Samuel Dettmer ...	Improvements in a combination pianoforte and shelf
9965	February 2	Thomas Robertson	A new or improved machine for the automatic production of "drops", made of fine sugar and gum or similar material
9947	February 2	Walter Morrison	Improvements in the heels of boots and shoes
9971	February 2	Thomas Percy Long	An improved process of producing "hard crack" in the manufacture of boiled confectionery
9977	February 2	Henri Galopin	Improvements in and connected with apparatus for distributing and burning hydro-carbon liquids for lighting and heating purposes
9988	February 2	Thomas Smith Tatham and Thomas Mackenzie	An improved process of treating wool for facilitating the removal of burrs, seeds, and other vegetable matter therefrom
9993	February 2	Edmund Thomas Rider and Walter Mercer	An improved method of manufacturing photo. printing plates
9998	February 2	James White	An improved attachment for sheep shears
10000	February 2	John Walker Newall	Improvements in or connected with driving mechanism for actuating sheep-shearing apparatus and other tools
10008	February 2	Benjamin Mayer and Walter Henry Mitchell	Improvements in couplings for railway carriages, cars, or trucks

LETTERS PATENT SEALED—continued.

No.	Date of Sealing.	Name.	Title.
1893.			
10014	February 2	Arthur James Smith	Improvements in and relating to the manufacture of white lead
10016	February 2	James Henry Gamble	An improved sliding door, tank cleaner, or scoop
10018	February 2	George Knowles	An improved adjustable liquid jet and spray appliance
10021	February 2	Gilbert Anderson	An appliance for automatically weighing carcasses of meat on a rail track without removing the carcasses from such rail track
10023	February 2	Duncan William McArthur	An automatic spring candle-extinguisher
10030	February 2	Walter Cobham Bowry	An improved paper clamp
10032	February 2	Charles Gustave Corten and Leslie Gordon Corrie	Improved irrigation apparatus
10037	February 2	William Troutbeck	An improved combined rotary motor and sheep-shearing machine
10040	February 2	Alexander Francis Gordon Brown	Improvements in rotary machines capable of being used either as an engine pump or blower
10041	February 2	Arthur James Henderson	An improved machine for breaking up a macadam or analogous road-crust
10042	February 2	Miles Williams	Improvements in enamelled metallic plates for railway and other signals
10043	February 2	John Edward Hayes	Improvements in producing electric currents in the human body by means of electrodes placed in the boots or shoes of the wearer
10045	February 2	Charles Rutherford	An improved construction of metallic hammocks
10048	February 2	Oscar Brunler	Ignition apparatus for hydro-carbon motors
10051	February 2	William John Tournay Hinde	Improvements in files for newspapers, magazines, letters, music and other papers
10055	February 2	Charles Coles Burgis and Charles Richard Burgis	An improved fire hose-box
10062	February 2	Henry Bland	An improved sheep-shearing machine
10064	February 2	Philip Jones	An improved hose clamp
10074	February 2	Marcus William Lowinsky	Improvements in wheels for vehicles
10075	February 2	Richard Hornsby and Son Limited	Improvements in engines operated by the explosion of combustible mixtures
10088	February 2	Charles Coles Burgis and Charles Richard Burgis	Improvements in travelling cash-carrier boxes
10089	February 2	The Adair Syndicate Limited	Improvements in or relating to dough-mixing or working machines
10092	February 2	Jesse King	Improved machine for capsuling bottles
10095	February 2	Louis Tewele and Thomas Robinson	Pickers for looms
10103	February 2	John William Foster Rogers	An improved method of transferring car bodies from bogies on one railway gauge to bogies on other gauges
10109	February 2	Philip Ashberry and Walter Barnes	Improvements in the construction of mechanical clippers for wool or hair
10125	February 2	Edward Almon Clark and Gustavus Vaughan Clark	An improved process of manufacturing oleomargarine or other edible fats
10127	February 2	John Chambers Moginie	A new or improved blotting-pad
9561	February 3	Anatole Edouard Decouffé	Improvements in machinery for the manufacture of cigarettes
10013	February 3	Robert Bell	Improvements in the means and apparatus for heating or cooling and ventilating railway carriages and other places
9246	February 7	James Hornsby, John Innocent, and Isaac Trolley	Improvements in reaping and binding machines
9357	February 7	Daniel Tyers	A combined coal screen and bagger
9409	February 7	Walter Smythe Bayston	Improvements in store service and similar apparatus
9454	February 7	Thomas George Daw and Hilder Daw	Improvements in machines for producing stereotype matrices and typewriting
9707	February 7	James Gresham	Improvements in ball-valve mechanism for vacuum automatic brake apparatus
9911	February 7	Bedlington Bodycomb	An improved apparatus for freezing ice-cream
9982	February 7	Jorgen Thorsen Kofoed	An improved machine for corking bottles
10100	February 7	Felix Frederick Bernard Greenwood	Improvements in manufacture of bread
10106	February 7	John Hartnett	An apparatus for automatically destroying the vacuum in the teat tubes of milking machines when the animal is sufficiently milked
10129	February 7	John Krehbiel	Improvements in railway car vestibules
10130	February 7	John Drennan Curtis	Barbed wire
9927	February 9	William Cameron	Improvements in coin-free vending machines
9921	February 13	Thomas Beaven Sloper	Improvements in or relating to folding seats and the like
9445	February 14	John Edward Wright	Improvements in printing telegraph receiving instruments
9545	February 14	William White	Improvements in re-generative gas lamps
9720	February 14	Charles McQueen and Alexander McQueen	Method of and combined multiple rotary apparatus for grinding and amalgamating
9821	February 14	Leopold Hesse	Improvements in destructors or incinerators for destroying garbage, night-soil, and other town refuse
9960	February 14	Sophia Hetherington-Carruthers	Improvements in electro-medical appliances
10077	February 14	William Burns and Edward Foster Twigg	Improvements in expanding reamers
10115	February 14	Joseph George Nash	Improved gear for driving machines for shearing sheep and other animals
10116	February 14	Joseph George Nash	Improvements in apparatus for sharpening the combs and cutters of sheep-shearing and other clipping machines
10142	February 14	Gustav Henoch and Edmond Maurice Comte Exelmans	A process and apparatus for classing pulverized ores by air currents
10149	February 14	George Herbert Ellis	Improvements in camp stools and the like
10154	February 14	William Lawrence Foster	A new or improved holder for the guards of carving forks
10182	February 14	Edward Waters	Improvements in machinery or apparatus for producing cold by the employment of carbonic anhydride
9310	February 21	Charles James Polain	An improved cash and parcel transit apparatus
9503	February 21	William Farrell and John William Farrell	An improved combined plough and seed-sower
10063	February 21	Henry Bland	Improved gear for driving small machines such as those used for sheep-shearing purposes
10091	February 21	John Buchanan Munro	Improved means for supporting the rising beam of jump-ploughs upon its frame
10107	February 21	Alexander Cleland	An improved method of dredging tanks or waterholes, and improved apparatus for such objects
10110	February 21	James Howarth Parkinson	Improvements in the separation and obtainment of the constituents of gaseous mixtures and in apparatus therefor
10114	February 21	Roderick Nicholson Montgomery	Improvements in and relating to apparatus for closing and fastening and unfastening railway-carriage doors
10123	February 21	Carl Lührig	Improvements in locomotive vehicles for tramway purposes
10124	February 21	Carl Lührig	Improvements in and relating to the gearing of tramway vehicles driven by motor-engines
10158	February 21	James Gresham	Improvements in or applicable to the supplementary valve of vacuum automatic brake apparatus
10173	February 21	Edward Waters	Improvements in cigarette machines

PATENTS ON WHICH RENEWAL FEES HAVE BEEN PAID.

No.	Renewal Fee.	Name.
4222	3rd term	William Climber Stott
4419	"	Hugh Thomas Smith
4430	"	Charles Henry Hersey
4442	"	James Alston
4444	"	Charles Edgar Manners and Stephen Henry Manners
4456	"	James Alexander Pond
4463	"	Frederick John Talbot
4492	"	John William Brown
7431	2nd term	Herbert Chatwin
7465	"	Joseph Rothery
7470	"	Summers Brown
7476	"	Dennis Jeffery
7497	"	William Henderson
7528	"	Edward Hughes, Edward Joseph Rigby, and John Sinclair Pirrie
7529	"	John William Porter and Arthur Thomas Metcalf Johnson
7530	"	Joseph Rothery
7535	"	Robert Alfred Fraser
7545	"	Alfred Ambler
7546	"	Edward Waters
7558	"	Nathaniel Greening
7559	"	Nathaniel Greening
7607	"	Elihu Thomson
7621	"	Algar George Farrow "Farrow and Jackson"
7623	"	Francis Hugh Snow
7628	"	Henry Athelstan Acworth Dombrain and Oliver Trumper

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.
4416	Thomas Hollings	An improved rotary engine	3rd term
4424	John Harper	Improvements in gas engines	"
4426	John Henry Buxton, Davies Braithwaite, and Mark Smith	Improvements in perfecting letter press printing machines	"
4431	Edward Waters	Manufacture of granular nitro-cellulose	"
4432	William Salter	Improvements in the process of and apparatus for concentrating and evaporating liquids, and in the process of and apparatus for refrigerating and congealing liquids, to be used in the manufacture of ice and for other purposes	"
4433	John Harper	Improvements in the manufacture of cement	"
4442	James Alston	An improved trough or flume coupling	"
4443	Thomas Elsbury and Harry Thompson	Improvements in hydrants and in hose couplings	"
7457	William Anderson and William Allison Ramsay	An improved circulating hot-water boiler	"
7458	Charles Campbell	Improved means or compensating device for fencing wires, to equalize ordinary strain (during varying temperature) and minimize extraordinary strain on same	2nd term
7462	Francis Hugh Snow	Improvements in sliding hills and toboggans to be used therewith	"
7466	Samuel Lindhurst Parker	An improved composition for lacquering tin	"
7473	Edward Waters	Improvements in and relating to the manufacture of twine	"
7473A	George Joseph Cartwright	Improved appliances to be used in connexion with boilers and boiler furnaces whereby the fuel in the furnace shall be more effectively consumed	"
7474	William Heithersay	Improvements in reversible plough shares	"
7484	James Prior	A new or improved medium to be used in the making of railway chair keys by moulding or planing machines	"
7485	William McLean	Desiccating night-soil and utilizing same, to be called "McLean's patent night-soil desiccator"	"
7486	James Cook	A new or improved method of and apparatus for volatilizing certain descriptions of insecticide, antiseptic, and other like compounds, and for distributing the fumes arising therefrom	"
7489	William Johnson	Johnson's crystal fountain	"
7490	Price Williams	An improved combined street sweeping and elevating machine and cart	"
7493	Henry Andrew Pils	An improved engine and pump for use in raising sunken vessels	"
7496	Arthur Pepys Wood	Improvements in apparatus for automatically disinfecting and filtering household slops	"
7498	Charles Burgon	Improvements in machines for shearing or clipping sheep and other animals	"
7500	Edward Le Brocq Collas and Henry Denison Bedford	An improved apparatus for concentrating finely-divided metalliferous material	"
7504	John Parish Newman, Thomas William Butcher, Richard Boyd Echlin, and Richard James Cottell	An improved coin-freed machine for issuing and recording receipts, checks, &c., specially useful as a totalizer	"
7509	John Kerr	Reducing the temperature of material or buildings exposed to the heat of the sun	"
7511	Stephen Alley	Improvements in apparatus for treating metallic ores or compounds with chemicals	"
7512	John Koss	An improved cooking stove or range	"
7515	Thomas Douglas Kyle	Kyle's direct-acting milk cooler	"
7517	Frederick Glass	An improved apparatus for actuating hydraulic valves	"
7520	Thomas Buchanan Campbell Robison	Improvements in pumping appliances, principally applicable to dredgers	"
7527	Robert Bond McComas and Franz Joachim Alexander Kindermann	An automatic appliance for entrapping rabbits and other noxious animals, usable also as a fence	"
7538	Jacob Carlos Jones and Matthew Grun	An improved rotary engine	"
7541	Gustaf Dillberg	Improvements in coin-acting delivery apparatus	"
7542	David Foster and Sidney John Brookfield	A new or improved mitre cramp	"

APPLICATIONS ABANDONED.

No.	Date of Abandonment.	Name.	Title.
	1893.		
9549	January 2	Jane Marsland	A device for the prevention of fraud with cheques, drafts, bills of exchange, and similar documents
9550	January 3	Thomas Wemyss Just	An improved water motor
9552	January 5	Henry Charles Wheeler	An improved camp stretcher
9553	January 5	Thomas Dorgan and Alfred Bridges	An improved puzzle
9563	January 8	Ernest Maxmillan Bieber and Frank Lacroix Gardner	An improved nut lock
9566	January 9	John Duncan Pierce	An improved method of and apparatus for surveying from perspective representations
9567	January 9	Frank Walker	An improved disappearing target for rifle practice
9569	January 12	Albert Edward Cowley	Improvements in washers for bolts, screws, and nails
9573	January 13	Thomas Robert Linton Austin ...	Improved safety contrivances for automatically closing the lift well or shaft openings in buildings and mines
9575	January 13	William Stephens	An improved support or bearing for the swinging trivets of fire grates
9581	January 21	John Charles Tippet	An improved suction ventilator
9582	January 21	John Currie Johnson	An improved steam jet appliance for attachment to boiler furnaces to regulate the draught and cause a more perfect combustion of fuel
9587	January 23	George Minor Summerfield ...	Improvements in apparatus for lifting submerged vessels
9590	January 26	Walter Cole	Improvements in fluid motors
9595	January 26	George Francis	Improvements in revolving concentrators
9596	January 27	Edward Edwards	An improved potato raising implement
9599	January 28	George Frederick	An new or improved deodorant
9600	January 28	William George Gibson	An improved flushing apparatus for water closets and urinals
9601	January 28	Henry James Moorhead	An improved sole stud for boots for foot wear
9607	January 30	Herbert Alexander King	Improvements in apparatus (including a hinge) for opening and closing gates
9608	January 30	Frederick Long and Nehemiah Guthridge	Compressed air propeller for cash carriers
9609	January 30	James Barnicott Garde and David Chrystal	An improved plough wheel

APPLICATION VOID.

(The complete not accepted within prescribed time.)

No.	Date of Application becoming void.	Name.	Title.
9301	8th February, 1893	John Johnston	Improvements in winnowing machines

ASSIGNMENTS REGISTERED.

No.	Title.	Date of Registration.	Name of Assignee.	Whole or Part.
4222	An improved furnace for portable copper washing boilers	25th February, 1893 ...	Charles Henry Metters and John Thomas Metters	Whole
5872	Improvements in phonogram blanks and phonograms and processes of making the same	15th February, 1893 ...	Edison United Phonograph Company*	Whole
5873	Improvements in phonographs and phonograms ...	15th February, 1893 ...	Edison United Phonograph Company*	Whole
6448	Improvements in phonographs	15th February, 1893 ...	Edison United Phonograph Company*	Whole
6449	Improvements in methods of and apparatus for recording and reproducing sounds, and for preparing surfaces for receiving sound records and materials or compositions for sound records	15th February, 1893 ...	Edison United Phonograph Company*	Whole
6450	Improvements in apparatus for recording and reproducing sounds, and on surfaces for receiving such sound record and methods of making and using such surfaces	15th February, 1893 ...	Edison United Phonograph Company*	Whole
6871	Improvements in phonographs or apparatus for recording and reproducing sounds in devices used in connexion with such apparatus, and in phonogram blanks or surfaces for receiving the sound records and in the methods of making and using such surfaces	15th February, 1893 ...	Edison United Phonograph Company*	Whole
6890	Improvements in ploughs and other cultivating implements to facilitate their passing over obstructions	6th February, 1893 ...	The Braybrook Implement Company-Limited	Whole
7649	Improvements in phonographs	15th February, 1893 ...	Edison United Phonograph Company*	Whole
9705	Improvements in bale ties and hoops for binding compressed bales of cotton and other bales ...	27th February, 1893 ...	Nettlefold's Limited	Whole

* With certain reservations.

LICENCE REGISTERED.

No.	Title.	Date of Registration.	Name of Licensee.	Term.
6890	Improvements in ploughs and other cultivating implements to facilitate their passing over obstructions	6th February, 1893 ...	Nathaniel James Hankin	Full

PART II.—TRADE MARKS.
APPLICATIONS FOR TRADE MARKS.



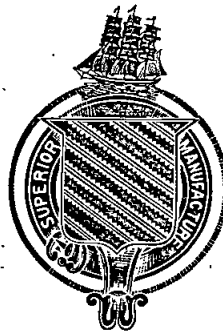
CLASS 3.

3399. A Medicinal Preparation for the cure of Asthma. Thomas Dickson, of 155 Moorabool-street, Geelong, Victoria, chemist. 6th February, 1893. (As a distinctive label.)



CLASS 30.

3395. Machine Silks. Michaelis, Hallenstein, and Company Limited, of 382 and 384 Lonsdale-street, Melbourne, eather merchants. 25th January, 1893. (As a distinctive mark.)



CLASS 38.

3410. Hats of all kinds and Caps. Denton Mills Hat Factory Company Limited, of Nicholson-street, Collingwood, Victoria. 17th February, 1893. (As a distinctive label and brand.)



WATTLE BLEND

The essential particulars of the Trade Mark are the following:—The representation of wattle in blossom, and the word "Wattle," and applicant disclaims any right to the exclusive use of the added matter.

CLASS 42.

3396. Tea, Coffee, and Cocoa. Philip Henry Welch, of 148 Edward-street, Brunswick, Victoria. 27th January, 1893. (As a distinctive device and word.)
No. 49.—MARCH 27, 1893,—2.

March 27, 1893.

1560



CLASS 42.

3397. Substances used as Food or as Ingredients in Food. Sarah Ann Wilson, of Sunbury, Victoria, manufacturer. 28th January, 1893. (As a distinctive label.)



CLASS 42.

3398. Butter, Cheese, and Cream. The Rosebrook Cheese and Butter Factory Company Limited, of Rosebrook, Victoria. 1st February, 1893. (As a distinctive label.)



The essential particulars of the Trade Mark are the following:—A Fern Frond, as shown above, and applicants disclaim any right to the exclusive use of the added matter.

CLASS 42.

3400. Butter, Cheese, and other Milk Products. The Geelong District Butter and Cheese Factory Company Limited, of Geelong, Victoria. 8th February, 1893. (As a distinctive label and brand.)



CLASS 42.

3406. Butter, Preservative for Butter, Honey, Milk, Cream, and Cheese. The Melbourne Chilled-Butter and Produce Company Limited, of 460 to 462 Flinders-lane, Melbourne, Victoria. 15th February, 1893. (As a distinctive label and brand.)



CLASS 42.

3409. Butter. The Strathbogie Dairy Company Limited, of Strathbogie, Victoria. 17th February, 1893. (As a distinctive label and brand.)



CLASS 43.

3393. Whisky. John Robertson and Son, of 6 Candle-lane, Seagate, Dundee, Scotland, whisky merchants. 21st January, 1893. (As a distinctive label.)



CLASS 45.

3388. Cigars. Worley, Litten, and Co., of 62 William-street, Balacava, Victoria, cigar manufacturers. 17th January, 1893. (As a distinctive label.)

SMOKE-HO !

CLASS 45.

3405. Tobacco. Stephen King and Peter Engel, trading as "Lange and Thoneman," of William-street, Melbourne, Victoria, merchants. 14th February, 1893. (As words having no reference to the character or quality of the goods, and not being a geographical name.)

March 27, 1893.

1562.



CLASSES 50, 3, 2, AND 47.

3401. Class 50. Knife Polish and all other goods in this class.

3402. Class 3. Fluid Magnesia and Granular Citrate of Magnesia, and all other goods in this class, excepting patent or proprietary medicines.

3403. Class 2. Cattle Medicines, Disinfectants, Vermin Destroyers, and all other goods in this class.

3404. Class 47. Washing Blue, and all other articles in this class. Arthur Coulson Parkin, of Herbert-street, North Carlton, Victoria, manufacturing chemist. 10th February, 1893. (As a distinctive device and word having no reference to the character or quality of the goods, and not being a geographical name.)

TRADE MARKS REGISTERED.

No.	Name.	Class.	Gazetted.
3363	The persons composing the firm of Woods and Company ...	3	16.12.92
3370	The Hamilton and District Butter Factory Company Limited ...	42	23.12.92
3371	The Mildura Fruit Growers' Association Limited ...	42	23.12.92

SUBSEQUENT PROPRIETOR REGISTERED.

No.	Former Proprietor.	Subsequent Proprietor.	Class.
3021	Fanny Eaton (The Standard Tea Company) ...	Arthur Nelson Pidcock ...	42

REGISTRATIONS EXPIRED.

No.	Name of Proprietor.	Class.	Gazetted.
227	Phipps Turnbull (Phipps Turnbull and Co.) ...	42-3	24.1.79
230	Alfred Felton and Frederick Sheppard Grimwade (Felton, Grimwade, and Co.) ...	2	4.4.79
231	Alfred Felton and Frederick Sheppard Grimwade (Felton, Grimwade, and Co.) ...	48	4.4.79
233	William S. Kimball and James C. Hart (William S. Kimball and Co.) ...	45	7.3.79

APPLICATIONS ABANDONED.

No.	Date of Application.	Name.	Gazetted.
3181	28th June, 1892	Geo. Burk, Francart, and Co. ...	1.7.92
3182	"	Geo. Burk, Francart, and Co. ...	1.7.92
3186	5th July, 1892	Geo. Burk, Francart, and Co. ...	8.7.92
3188	"	Geo. Burk, Francart, and Co. ...	8.7.92

APPLICATIONS REFUSED.

No.	Name.	Gazetted.
3340	George Berry Rich (Victorian Manufacturing Co.) ...	—
3356	William B. Lochore (Foochow and Calcutta Tea Co.) ...	9.12.92
3365	The Macarthur and District C. and B. Factory Company Limited ...	—
3390	Charles Madison Martin and William Reeves Lee ...	—

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