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

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PART I.—PATENTS.

Applications for Patents.

No. 10784. By George Frederick Martin, of "Wiltin," Waverley-road, Malvern, Victoria, for "Saving fine gold from tailings, pyrites, or auriferous ores." 1st September. Provisional.

No. 10785. By James Hugh Brake and Richard Bradbury, both of Horsham, Victoria, ironmongers and plumbers, for "An improved combination pipe for high-pressure purposes." 1st September. Provisional.

No. 10786. By Edward C. Broadwell, of 1434 Randolph-street, Philadelphia, Pennsylvania, United States of America, chemist, for "Improvements in coating metals with aluminium or alloy thereof." 1st September. Complete.

No. 10787. By John Rossiter, of 454 Collins-street, Melbourne, Victoria, mining engineer, for "A new or improved combined amalgamator, concentrator, and separator," 4th September. Provisional.

No. 10788. By Arthur Henry Shaw, managing director of Alfred Shaw and Company Limited, of 360 Little Collins-street, Melbourne, Victoria, hardware merchant, for "An improved potato plough." 4th September. Provisional.

No. 10789. By John Augustus Clarke and Arthur Burdekin Mason, both of Shepparton, Victoria, orchardists, for "An improved plough." 5th September. Provisional.

No. 10790. By John Thomas Walker, of Wanganui. New Zealand, farmer, for "An improved wheel to be used for straining."

.mproved plough." 5th September. Provisional.

No. 10790. By John Thomas Walker, of Wanganui, New Zealand, farmer, for "An improved wheel to be used for straining wire." 5th September. Complete.

No. 10791. By George Low Lines, of "Eulolo," Hornby-street, Windsor, Victoria, mining manager, for "An improved cam or lifter for stamp batteries." 5th September. Provisional.

No. 10792. By David Anderson, of "Fairview," Stawell, Victoria, gentleman, for "An improved spark arrester." 5th September. Provisional.

No. 10793. By George Walter Pearson, of Carrieton, South Australia, saddler, for "Improvements in metallic saddle-trees." 5th September. Provisional.

No. 10794. By John McKay, of 48 Shiels-street, Newmarket, near Melbourne, Victoria, mining blacksmith, for "An improved lifter cam for stamper batteries." 5th September. Provisional.

No. 10795. By William Brown, accountant, and William Benjamin Walters, engineer, both of Dunedin, New Zealand, for "Improved apparatus for extracting grease, oils, gums, and resins, and other such matter from animal, vegetable, and mineral substances, and the saving for further use of the solvents employed and of the materials extracted as residual products." 6th September. Provisional.

No. 10796. By Ambrose Stephen Connelly, of Myer's Flat, Victoria, for "The extraction of trees and stumps by mechanical force, to be known as a 'Tree and Stump Extractor.'" 6th September. Provisional.

No. 10797. By John Francis Botting, of Lovell's Flat, Otago, New Zealand, teacher, for "Appliances for teaching arithmetic." 6th September. Provisional.

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No. 10798. By James Morrison, of 7 Cunningham-street, South Yarra, Victoria, engineer, for "An improved cooking stove for burning brown or black coal, wood, coke, or any other fuel." 6th September. Provisional.

No. 10799. By Frank Arthur Williams, of Church-road, Albrighton, in the county of Salop, England, manager of tool works, for "Improvements in the means of joining edges of sheet, strip, and thin plate metal, for the purpose more especially of facilitating and improving the manufacture of tubes, cisterus, and other hollow metallic articles." 6th September. Complete.

No. 10800. By William Eckstein, of 187-193 Union-street, Borough, in the county of Surrey, England, engineer, for "Improvements in sheet metal lathing and in machinery for making the same." 6th September. Complete.

No. 10801. By Jaboz Gadsden, of 188 and 190 King-street, Melbourne, Victoria, printer, for "An improved tin plate printing machine." 7th September. Provisional.

No. 10802. By James Copeland, of Brunswick-lane, near Wanganui, New Zealand, farmer, for "An improved wire-straining reel." 7th September. Provisional.

No. 19803. By Henry Noyes, of 15 Queen-street, Melbourne, Victoria, merchant, for "Improvements in the construction of woven wire webbing suitable for mattresses, bedstead bottoms, sofas, chairs, and the like." 7th September. Complete.

woven-wire webbing suitable for mattresses, beastead obtoins, sons, chairs, and the like. It is deposition. Complete.

No. 10804. By William Clark, of Forest Lodge, near Sydney, New South Wales, inspector of plumbing, Alexander Cameron, of Elizabeth-street, Sydney aforesaid, master plumber, and Charles Kirk, of North Sydney, New South Wales, master plumber, for "Improvements in automatic flushing apparatus for urinals, applicable also to other contrivances wherein a pro-determined quantity of liquid is syphoned through or over a break or opening in the long leg." 8th September. Complete.

No. 10805. By Richard Hales Smith, of Domain-road, South Yarra, Victoria, masseur, for "A fluted and twisted nail." 9th September. Provisional.

No. 10806. By Ralph Naunton Davies and John Shephard, both of 135 City-road, South Melbourne, water meter manufacturers, for "An improved contrivance for measuring water, principally useful for irrigation purposes." 9th September. Provisional.

No. 10807. By Henrietta Herman, of Surrey Hills, Sydney, New South Wales, wife of Jacob Herman, for "Apparatus for operating atomizers." 11th September. Provisional.

No. 10808. By Henrietta Herman, of Surrey Hills, Sydney, New South Wales, wife of Jacob Herman, for "Improvements in apparatus for sanitary disinfection and other purposes." 11th September. Provisional.

apparatus for santary disantection and other purposes." 11th September. Provisional.

No. 10809. By John Lawson Johnstone, of Sydney-road, Royal Park, Melbourne, Victoria, engineer, for "An improved portable apparatus for starting horse and pony races." 11th September. Provisional.

No. 10810. By William John Dunstan, of Gamble-street, East Brunswick, Melbourne, Victoria, engineer, for "Extinguishing sparks on the chimneys of locomotive engines and others." 11th September. Provisional.

No. 10811. By John Henry Lewis, of 43 Moore-street, South Yarra, Victoria, engineer, for "An improved hydrant box, and means for securing the cover of same to prevent the inflow of surface drainage." 11th September. Provisional.

No. 10812. By Samuel Salter, of Wal Wal, Victoria, farmer and machine owner, and John Cook, of Stawell, Victoria, agricultural implement maker, for "Improvements in skeleton mould-boards for ploughs." 11th September. Provisional.

No. 10813. By Clarence Herbert Smith, of Androssan, South Australia, machinist, for "Improved wrought ploughshare." 12th September. Provisional.

No. 10814. By Alfred Christie Smart of 11 Elizabeth freet Melbourne, Victoria, against the for "Improved wrought and the start of the mould be appeared by the second of the seco

No. 19814. By Alfred Christie Smart, of 11 Elizabeth-street, Melbourne, Victoria, architect, for "Improvements in the method of and apparatus for burning artistic and other impressions in wood and other substances." 12th September. Provisional.

No. 10816. By Abraham Kagansky, of View House, of Drummond-street, near Neill-street, Carlton, Victoria, boot finisher, No. 10816. By Residue and the street, Carlton, Victoria, agricultural implement manufacturers, for "An improved steam milk heater." 12th September. Provisional.

No. 10816. By Abraham Kagansky, of View House, of Drummond-street, near Neill-street, Carlton, Victoria, boot finisher, 10817. By Sidney Present Wood of the Carlton, Victoria, No. 10817. By Sidney Present Wood of the Carlton, Victoria, Victoria, No. 10817. By Sidney Present Wood of the Carlton, Victoria, Victoria

No. 10817. By Sidney Prescott Wood, of the Semaphore Iron Works, Newport, Victoria, railway signal engineer, for "Improved contrivances for actuating level crossing gates of railways." 12th September. Provisional.

No. 10818. By George Augustus Macnutt, of 24 Collins-street, Melbourne, Victoria, doctor of medicine, for "An improved screw for wood work and other purposes." 13th September. Complete.

No. 10819. By William James Simpson, of 318 High-street, St. Kilda, Victoria, for "An improved chaff-cutting knife." 13th mber. Provisional.

September. Provisional.

No. 10820. By Jeremiah David Griffiths, care of W. H. Southerne, of 16 Anderson-street, Albert Park, Victoria, gentleman, for "A new or improved hair restorer." 13th September. Complete.

No. 10821. By Stephen Cox Middenway, of 7 Caroline-street, Clifton Hill, Victoria, printer's engineer, for "Folding and wrapping newspapers, periodicals, &c., to be called 'Middenway's Improved Wrapping Machine.'" 13th September. Provisional. No. 10822. By Askin Morrison Nicholas, of "Linden," Yarra-street, Hawthorn, Victoria, assayer, for "Improved concentrating pan." 13th September. Complete.

No. 10823. By James Valentine Coleman, of 32 Mills Buildings, in the city and county of San Francisco, state of California, United States of America, gentleman, for "Improvements in adjustable partitions for packing boxes and travellers' cases and for other purposes." 13th September. Complete.

No. 10824. By William Joseph Watson, of Eckersall-street, Coburg, Victoria, carpenter, for "An improved machine for drilling, tapping, and inserting a valve or ferrule cock in mains or pipes under pressure." 14th September. Provisional.

No. 10825. By Henry Thomas Dawson, of 10 Southwold-road. Unper Clanton. London Rogdand gentleman, for

No. 10825. By Henry Thomas Dawson, of 10 Southwold-road, Upper Clapton, London, England, gentleman, for "Improvements in gas-engines." 5th May. Complete. Divisional of No. 10506.

No. 10826. By Edgar Ayres, of Sydney, New South Wales, watchmaker, for "Improved apparatus for operating clocks synchronously." 16th September. Complete.

No. 10827. By Arthur Octavius Wright, of Birmingham, England, manufacturer, for "Improvements in laths and sheets for forming ceilings, floors, partitions, and other such like purposes, and in the machinery for manufacturing the same." 19th September. Complete.

No. 10828. By Thomas Chambers, of 93 Barkly-street, Brunswick, Victoria, engineer, and Thomas Drury, of Sydney-road, Brunswick aforesaid, carriage builder, for "An improved meat grill." 19th September. Provisional.

No. 10829. By Neil McArthur, of Royal Hotel, Footscray, Victoria, for "An improved life-saving apparatus." 19th September. Provisional.

No. 19830. By Frederick Long, of Footscray, Victoria, engineer, for "Improved ore-crusher." 19th September. Complete.

No. 19831. By George Montague Bowser and George Bowser, both of Brisbane, Queensland, contractors, for "Improvements in machinery for moulding and dressing stone used for building, drainage, and other analogous purposes." 19th September. Complete.

No. 10832. By Thomas Charles Kelly, nail manufacturer, and Terence Arthur Kelly, blacksmith, both of 620 and 622 Little Collins-street, Melbourne, Victoria, for "Improved coat metal pipe bends, principally for use as stench traps." 19th September. Provisional.

No. 10833. By Joseph Colley, of Gladstone Villa, Derby-street, Camberwell, Victoria, Government armourer, for "Improvements in striking mechanism of certain descriptions of small-arms," 19th September. Complete.

No. 10834. By Joseph Colley, of Gladstone Villa, Derby-street, Camberwell, Victoria, Government armourer, for "An improved split screw-keeper for guard swivels of small-arms and the like." 19th September. Complete.

No. 10635. By Thomas John William MacKenzie, of Coppin-street, Richmond, Victoria, leather salesman, and William John n, of Burnley-street, Richmond, Victoria, tanner, for "A new ornamental leather, and process for preparing the same." 19th mber. Provisional.

No. 19836. By Joseph Colley, of Gladstone Villa, Derby-street, Camberwell, Victoria, Government armourer, for "An improved rod-holder for stocks of small-arms. 20th September. Complete.

No. 10837. By Edmund Paul Dignan, of Wilmington, South Australia, machinist, for "Improvements in machines for stripping grain." 20th September. Provisional.

No. 10838. By Charles Appleford, of Essex House, Moreland-road east, Coburg, Victoria, painter, for "Mechanical toys with magnetized attachments." 20th September. Provisional.

No. 10839. By Elizabeth Evans, of Campbell's Creek, near Castlemaine, Victoria, fruit-grower, for "An improved method of and means for sowing vegetable, flower, and other kinds of seeds." 21st September. Provisional.

No. 10840. By William Trivers Moore, of 14 Temple Court, Collins-street, Melbourne, Victoria, for "An improved concentrating table." 21st September. Provisional.

No. 10841. By Gustavus Cæsar Horstmann, John Clement Ellison, and John Callaghan, directors of The Howard Gold Saving Process Co. Limited, of Brisbane, Queensland, for "Improvements in centrifugal amalgamators." 21st September. Complete.

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No. 10842. By Rudolf Bammann, of 21 Gneisenau-strasse, Berlin, Germany, plasterer, for "Composition for the production of marble-like plaster." 21st September. Complete.

No. 10843. By James Musgrave and George Dixon, both of Bolton, in the county of Lancaster, England, engineers, and Edward Field and Francis Sanders Morris, both of 22 Buckingham-street, Adelphi, in the county of London, England, engineers, for "Improvements in steam engines." 21st September. Complete.

No. 10844. By Carl Moldenhauer, of Frankfort-on-Maine, Germany, for "A process for precipitating precious metals from solutions," 21st September. Complete.

No. 10845. By Victor White, of 4 Newgate-street, London, England, sewing machine manufacturer, for "Improvements in sewing machines." 21st September. Provisional.

No. 10846. By John Dorham, of Albert-street, Footscray, Victoria, engineer, for "A patent spark arrester." 22nd September.

No. 10847. By John Littlejohn Christie, of Warracknabeal, Victoria, agent, and Frederick Percy Stevens, of William-street, Melbourne, Victoria, estate agent, for "Improvements in pulverizing machines or cultivators." 25th September. Provisional.

No. 10848. By Andrew Dempster, of 203 Swanston-street, Melbourne, Victoria, gasfitter and importer, for "An improved method of and apparatus for lighting railway carriages by means of air-gas." 25th September. Provisional.

No. 10849. By Charles Carey Lance, of Euroa, Victoria, dairy expert, for "A combined milk straining and sampling appliance." 26th September. Provisional.

appliance. 26th September. Provisional.

No. 10850. By Joseph Warburton and Joseph Hegan McGarry, both of Melbourne, Victoria, for "An improved catamenial pad." 26th September. Complete.

No. 10851. By Friend Johnson Bringham, of the city and county of San Francisco, state of California, United States of America, for "Manufacture of seamless leather articles." 26th September. Complete.

No. 10852. By Francis Henderson, of 108 Drummond-street, Carlton, Victoria, boilermaker, for "Arresting sparks in locomotive and other boilers." 27th September. Provisional.

No. 10853. By Granville White, of: 2 Grandview-terrace, Moreland, Victoria, contractor, for "Smoke and spark consumers." 27th September. Provisional.

No. 10855. By John Athay Jefferies, of Kerang, Victoria, farmer, for "Improvements in worm wheels and appliances connected therewith for transmitting power." 28th September. Complete.

No. 10855. By William Kemp and Henry Sheehan, both of 152 Little Collins-street, Melbourne, Victoria, coppersmiths and spouting manufacturers, for "Improved milk and cream transit cans." 29th September. Provisional.

No. 10856. By George Sargent Jakins, of Christchurch, New Zealand, merchant, for "An improved butter machine." 29th

No. 10857. By Frank Vial, of Macaulay-road, Kensington, Victoria, leather-bolt manufacturer, for "An improved fastening for leggings." 29th September. Provisional.

No. 10858. By Alfred James Hodgkinson, of 34 Queen-street, Melbourne, Victoria, gentleman, for "Improvements in advertising portfolio tickets, cards, or passes." 30th September. Provisional.

No. 10859. By Charles Appleford, of Essex House, Moreland-road, Coburg, Victoria, for "Hoops for juvenile recreation." 30th September. Provisional.

PROVISIONAL SPECIFICATIONS ACCEPTED.

	ı		I ROVISIONAE SIEC	THORIONS HOOETED.
No.	Date of Accept	ance.	Name.	Title.
	1893.			
10750	September	1	Peter Thomas Johns and Frederich Edmund Thorpe	An improvement in glazing wheels for glazing hides and fancy leather
10764	September	1	Alfred Ernest Buncle	Improved adjustable top comb for chaff-cutters
10772	September	ī	Edward Arthur Brown	An improved spark arrester for locomotive and other boilers
10775	September	1	Hugh McAndrew Deason	Improved spark arrester
10778	September	1	James Stewart	An improved spark arrester
$10703 \\ 10729$	September	2 2	Lars Larsson	A new or improved coin-freed stereoscope
	September	-	George Fincham and Arthur Hobday	An improved tubular pneumatic action for organs having individual pallet sound-boards
$10744 \\ 10773$	September September	2	John Sullivan	A coin-operating lock
10440		_	John Foster Stephenson	An improved apparatus for straining water, milk, tea, coffee, and other liquids in order to remove sline and other solid impurities therefrom
10780	September	4	James McIntosh	A combined rivet clincher and wire key
10784	September	4	George Frederick Martin	Saving fine gold from tailings, pyrites, or auriferous ores
10757	September	5	Eliza Warner	An improved non-granulating brown coal briquette
10758	September	6	Roderick Impey Murchison	An improved contrivance to be used for starting horse races
$10776 \\ 10777$	September September	6 6	John Buchanan and Alexander Gordon David Cairns Young	Improvements in diving apparatus
10785	September	6	James Hugh Brake and Richard	An improved bottling machine for ball-stoppered aërated water bottles An improved combination pipe for high-pressure purposes
	1 -		Bradbury	man improved communical priportor mgn pressure purposes
10787	September	6	John Rossiter	A new or improved combined amalgamator, concentrator, and separator
10781	September	7	James Hickford	An improved method of giving lustre, depth, and brilliancy to all kinds of gilding on glass, in lettering, or ornamental work
10791	September	7	George Low Lines	An improved cam or lifter for stamp batteries
10794	September	7	John McKay	An improved lifter cam for stamper batteries
10789	September	8	John Augustus Clarke and Arthur	An improved plough
10795	September	11	Burdekin Mason William Brown and William Benja- min Walters	Improved apparatus for extracting grease, oils, gums, and resins, and other such matter from animal, vegetable, and mineral substances, and the saving for further use of the solvents employed and of the
****			T	materials extracted as residual products
10801	September		Jabez Gadsden	An improved tin plate printing machine
$10753 \\ 10792$	September September		George Dixon Gould David Anderson	The destruction of vermin in burrows, holes, or logs, &c. An improved spark arrester
10793	September		George Walter Pearson	Improvements in metallic saddle-trees
10806	September		Ralph Naunton Davies and John	An improved contrivance for measuring water, principally useful for
			Shephard	irrigation purposes
10798	September	13	James Morrison	An improved cooking stove for burning brown or black coal, wood, coke, or any other fuel
10810	September	13	William John Dunstan	Extinguishing sparks on the chimneys of locomotive engines and others
10811	September	13	John Henry Lewis	An improved hydrant box, and means for securing the cover of same to prevent the inflow of surface drainage
10812	September	15	Samuel Salter and John Cook	Improvements in skeleton mould-boards for ploughs
10813	September	15	Clarence Herbert Smith	Improved wrought ploughshare
10816	September.		Abraham Kagansky	Improvements in colonial sofas
10824	September	16	William Joseph Watson	An improved machine for drilling, tapping, and inserting a valve or ferrule cock in mains or pipes under pressure
10815	September	19.	Bedlington Bodycomb	An improved steam milk heater
10819	September	20	William James Simpson	An improved chaff-cutting knife
10809	September	21	John Lawson Johnstone	An improved portable apparatus for starting horse or pony races
10814	September	21	Alfred Christie Smart	Improvements in the method of and apparatus for burning artistic and other impressions in wood and other substances

PROVISIONAL SPECIFICATIONS ACCEPTED—continued.

No.	Date of Accepta	nce.	Name.	Title,
	1893.			
10817	September	21	Sidney Prescott Wood	Improved contrivances for actuating level crossing gates of railways
10743	September	22	William Manley Jepson	A potato planter
10837		23	Edmund Paul Dignan	Improvements in machines for stripping grain
10839		23	Elizabeth Evans	An improved method of and means for sowing vegetable, flower, and
	No.1.101111011		2310000011 23 (other kinds of seeds
10838	September	25	Charles Appleford	Mechanical toys with magnetized attachments
10840		25	Milliam Distract Moore	An improved concentrating table
10835		25	Thomas John William MacKenzie	A new ornamental leather, and process for preparing the same
10000	Debromoer	20	and William John Noden	A new ornamental readier, and process for preparing one same
10845	September	25	T71-4 T77144.	Improvements in sewing machines
10821		26		
10021	pebremper	20	Stephen Cox Middenway	Folding and wrapping newspapers and periodicals, &c., to be called "Middenway's Improved Wrapping Machine"
10040	Ø	ا ء	Tabar Dankana	
10846		26	John Dorham	A patent spark arrester
10848	September	26	Andrew Dempster	An improved method of and apparatus for lighting railway carriages
4.00.45			~ 1 *	by means of air-gas
10847	September	27	John Littlejohn Christie and Frede-	Improvements in pulverizing machines or cultivators
	۱	_	rick Percy Stevens	l
10852	September		Francis Henderson	Arresting sparks in locomotive and other boilers
10829		28	Neil McArthur	An improved life-saving apparatus
10849		28	Charles Carey Lance	A combined milk straining and sampling appliance
10828	September	29	Thomas Chambers and Thomas	An improved meat grill
	-		Drury	
10853	September	29	Granville White	Smoke and spark consumers

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 the acceptance, give notice at the Patent Office of such opposition.

No.	Date of Publicat!	lon.	Name.	Title.
	1893.			
9989	September *	1	Alfred Naylor Pearson	An improved method of and apparatus for manufacturing brown coal briquettes
10083 10162	September September	1	Kenneth Cameron Robert Warnock	Lifting, or pressing, or drawing Discharging dredged or other material from barges or other vessels with a centrifugal pump, the material to pass through the pump
10361 10611	September September	1	William Evarts Richards William Soltau Pillans	direct Device for partitioning drawers and similar structures Laying poisoned grain or other food for destroying rabbits
10656	September	i	Reuben Withell	Apparatus to be used in connexion with milking machines for the purpose of automatically disengaging the teat-cups from cows
10690	September	1	Ernest Liebmann	Improvements in the mode of dividing blocks of butter and apparatus for that purpose
10692	September	1	Joseph Harrison and Robinson Ritson	An improved screw-bolt and method of locking nuts on such bolts
10702	September	1	John Henderson Roberts, jun	Improved contrivances for converting ordinary brace-bits into gimlets
10717	September	1	Robert Perkins	An improved elevator for loading wheat or grain in bags, applicable also to other purposes
10721	September	1	Alfred George Jackson and Mary Allen Sutton	Coin-freed electrical apparatus, specially applicable to automatic galvanic or shocking machines
10726	September	1	George Washington Smiley and Forest William Dunlap	Improvements in wheels for bicyles and other vehicles
10747	September	1	Francis Harley Davis	Improvements in boring machinery and in the mode of gripping and raising cores
10748	September	1	Martin Wanner	Improvements in the process of refrigeration, and improvements in refrigerating apparatus
10094 10099	September September	8	Robert Edward Evenden Ambrose Henry Warden, Albert Manvers, and Louis Marks	Improvements in centrifugal churns A new or improved air-pump or apparatus for creating a vacuum
10120 10146	September September	8	Jens Nielsen Hastings Cuningham	Improvements in milking machines Improved contrivances for automatically equalizing the pressure of the vibrating levers of sheep-shearing machines upon the teeth of
10589 10651 10683	September September September	888	Henry Edward Kitton Frederick York Wolseley William King Baker and George Samuel Baker	the cutters The top-feed centrifugal gold and heavy metal saver and concentrator Improvements in sheep-shearing machines Improvements in bakers' ovens
10686	September	8	George Johnson	Improvements in water-lifting machines
10695 10708	September September	8	William Wilson Robert McCully	An apparatus to prevent waste of water Improvements in crushing machines
10739	September	8	Richard Alexander Hamilton	An improved tent
10746 10763	September September	8	Thomas Roberts James Paterson	An improvement in the adjustable levers of ploughs Improvements in machine sheep shears
10774	September	8	James Paterson Mephan Ferguson	An improved method of and apparatus for welding sheets of iron
10179	September	15	Robert Nicholls	Improved method of and apparatus for preventing the deterioration of fermented liquors kept on draught
10768	September		Matthew William Charlton	Improvements in stump-jump ploughs and other cultivating implements
10779	September :	15	Charles Robison	Improvements in centrifugal pumps for lifting water charged with foreign material
10799	September	15	Frank Arthur Williams	Improvements in the means of joining edges of sheet, strip, and thin plate metal, for the purpose more especially of facilitating and improving the manufacture of tubes, cisterns, and other hollow metallic articles
10800	September	15	William Eckstein	Improvements in sheet metal lathing and in machinery for making the same
10118	September	22	Gustaf Dillberg and Ernest John Greenstreet	A means for advertising at night or in dark places from a moving object
10317 10410		$\frac{22}{22}$	Robert Carey John Pender	Improvements in hydraulic lifts Improvements in machines for grooving or trenching boards and
10463 10707		$\frac{22}{22}$	Hans Hirschfeld John	cutting same to given lengths for boxes and other structures Improved incandescent medium for purposes of illumination An improved domestic milk receiver
10752	September		Edwin George Staniforth, John Deighton, and William Speer Coulter Samuel Reynolds	An improved method of and ingredients to be used in ascertaining the proportion of butter in milk

COMPLETE SPECIFICATIONS ACCEPTED—continued.

No.			
	Date of Publication.	Name.	• Title.
10761	1893. September 22	Robert Ferguson and Aaron Turner	Improvements in milking machines whereby the vacuum is automa-
10762	September 22	Danks Herbert Alexander King	tically cut off from the test tubes Opening swing gates
$\frac{10782}{10783}$	September 22 September 22	Henry Selby Hele-Shaw Benjamin Dunkerley and James	Improvements in ink stands Improvements in cones employed in machines for forming hat bodies
10820 10139	September 29 September 29	Dugdale Jeremiah David Griffiths Samuel Lyndhurst Parker	A new or improved hair restorer Improvements in printing machinery and process in connexion
10293	September 29	Arthur Otto Sachse	therewith An improved cooking utensil
10506 10517	September 29 September 29	Henry Thomas Dawson Henry Williams	Improvements in gas-engines A plonghshare
10647 10697	September 29 September 29	James Wilson Thomas Willmot and Michael	Improvements in planing the welts and edges of boots Improved apparatus for coating paving blocks, other like blocks, and
10735	September 29	Thomas Morgan George Thomas Booth	lengthy supple subjects with tar, oil-pigments, or other liquids Improvements in harrows
10756	September 29	John Stewart McArthur and Charles James Ellis	Improvements in extracting gold and silver from ores and the like Improvements in machines for milking cows and other animals
10767 10770	September 29 September 29	John Hartnett and David Moffat Robison Gabriel Eilenberg and Meyer	An improvement in the seams of waterproof clothing
10771		Zeltner Gabriel Eilenberg and Meyer	An improvement in the joints of the facings and pockets of water-
10825		Zeltner	proof garments Improvements in gas-engines
10830 10833	September 29 September 29 September 29	Frederick Long Joseph Colley	Improved ore-crusher Improvements in striking mechanism of certain descriptions of
10834	September 29	Joseph Colley	small-arms An improved split screw-keeper for guard swivels of small-arms and
10836	September 29	Joseph Colley	the like An improved rod-holder for stocks of small-arms
10841	September 29	Gustavus Cæsar Horstmann, John Clement Ellison, and John Cal- laghan	Improvements in centrifugal amalgamators
		COMPLETE SPEC	IFICATIONS REFUSED.
No.	Date Refused.	Name.	Title.
	1893.	TI 1 W	An improved fruit carrier
10036 10055	September 14 September 21	George John Altham	Improvements in steam turbines
10566	September 21	William Addison Howe	Earth augers
	1	Letters 1	PATENT SEALED.
No.	Date of Sealing.	Name.	Title.
	l		Titte
0070	1893.		
9959 9997	1893. September 6 September 6	Samuel Tonkin Malwyn a'Beckett	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food
	1893. September 6	Samuel Tonkin	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food An improvement in water-tube steam boilers Improved constructions of bridges, jetties, stagings, platforms
9997 10291 10432 10491	1893. September 6 September 6 September 6 September 6 September 6	Samuel Tonkin Malwyn a Beckett	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food An improvement in water-tube steam boilers Improved constructions of bridges, jetties, stagings, platforms floors, and ceilings of buildings from iron or steel railway rails
9997 10291 10432 10491 10545	1893. September 6 September 6 September 6 September 6 September 6 September 6	Samuel Tonkin	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food An improvement in water-tube steam boilers Improved constructions of bridges, jetties, stagings, platforms floors, and ceilings of buildings from iron or steel railway rails Improvements in water heaters Improved method of and apparatus for the ventilation, and in som cases the disinfection of sewers, mines, &c.
9997 10291 10432 10491 10545 10579 10499	1893. September 6 September 13	Samuel Tonkin	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food An improvement in water-tube steam boilers Improved constructions of bridges, jetties, stagings, platforms floors, and ceilings of buildings from iron or steel railway rails Improvements in water heaters Improved method of and apparatus for the ventilation, and in som cases the disinfection of sewers, mines, &c. Improvements in roller bearings An improved method of purifying water fed into the steam space of a steam boiler or generator, and apparatus therefor
9997 10291 10432 10491 10545 10579	1893. September 6 September 6 September 6 September 6 September 6 September 6 September 13 September 14	Samuel Tonkin	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food An improvement in water-tube steam boilers Improved constructions of bridges, jetties, stagings, platforms floors, and ceilings of buildings from iron or steel railway rails Improvements in water heaters Improved method of and apparatus for the ventilation, and in som cases the disinfection of sewers, mines, &c. Improvements in roller bearings An improved method of purifying water fed into the steam space o a steam boiler or generator, and apparatus therefor Improved mechanism for closing doors of railway carriages An improved menas for supporting the damp-weather threshing
9997 10291 10432 10491 10545 10579 10499 9869 9963	1893. September 6 September 6 September 6 September 6 September 6 September 6 September 13 September 14 September 14 September 14	Samuel Tonkin Malwyn a' Beckett Montague H. C. Shann Alfred Montgomery Howarth William Henry Hannam David Webster Copeland David Hanna Hans Urban Samuel May Joseph William Muntz	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food An improvement in water-bube steam boilers Improved constructions of bridges, jetties, stagings, platforms floors, and ceilings of buildings from iron or steel railway rails Improvements in water heaters Improved method of and apparatus for the ventilation, and in som cases the disinfection of sewers, mines, &c. Improvements in roller bearings An improved method of purifying water fed into the steam space of a steam boiler or generator, and apparatus therefor Improved mechanism for closing doors of railway carriages An improved means for supporting the damp-weather threshin apparatus of stripper harvesters An improvement in or relating to horse gear
9997 10291 10432 10491 10545 10579 10499 9869 9963 9995 -10229 10316	1893. September 6 September 6 September 6 September 6 September 6 September 6 September 13 September 14 September 14 September 14 September 14	Samuel Tonkin Malwyn a Beckett Montague H. C. Shann Alfred Montgomery Howarth William Henry Hannam David Wilson David Webster Copeland David Hanna Hans Urban Samuel May Joseph William Muntz John Durand Bangert George Lander Thiell	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food An improvement in water-tube steam boilers Improved constructions of bridges, jetties, stagings, platforms floors, and ceilings of buildings from iron or steel railway rails Improvements in water heaters Improved method of and apparatus for the ventilation, and in som cases the disinfection of sewers, mines, &c. Improvements in roller bearings An improved method of purifying water fed into the steam space of a steam boiler or generator, and apparatus therefor Improved mechanism for closing doors of railway carriages An improved means for supporting the damp-weather threshin apparatus of stripper harvesters An improvement in or relating to horse gear Improvements in apparatus for mixing flour and other materials Improvements in apparatus for mixing flour and other materials
9997 10291 10432 10491 10545 10579 10499 9869 9963 9995 -10229 10316 10370	1893. September 6 September 6 September 6 September 6 September 6 September 6 September 13 September 14	Samuel Tonkin	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food An improvement in water-tube steam boilers Improved constructions of bridges, jetties, stagings, platforms floors, and ceilings of buildings from iron or steel railway rails Improvements in water heaters Improved method of and apparatus for the ventilation, and in som cases the disinfection of sewers, mines, &c. Improvements in roller bearings An improved method of purifying water fed into the steam space of a steam boiler or generator, and apparatus therefor Improved methonism for closing doors of railway carriages An improved means for supporting the damp-weather threshin apparatus of stripper harvesters An improvements in apparatus for mixing flour and other materials Improvements in apparatus for controlling the draft in chimneys An improved process and apparatus for generating steam by th aid of hot or molten slag from smelting or other furnaces.
9997 10291 10432 10491 10545 10579 10499 9869 9963 9995 10229 10316 10370	1893. September 6 September 6 September 6 September 6 September 6 September 6 September 13 September 14	Samuel Tonkin	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food An improvement in water-tube steam boilers Improved constructions of bridges, jetties, stagings, platform floors, and ceilings of buildings from iron or steel railway rails Improvements in water heaters Improved method of and apparatus for the ventilation, and in som cases the disinfection of sewers, mines, &c. Improved method of purifying water fed into the steam space of a steam boiler or generator, and apparatus therefor Improved mechanism for closing doors of railway carriages An improved means for supporting the damp-weather threshin apparatus of stripper harvesters An improvement in or relating to horse gear Improvements in apparatus for mixing flour and other materials Improvements in apparatus for mixing flour and other materials Improvements in apparatus for generating steam by the aid of hot or molten slag from smelting or other furnaces Improvements in the preparation of certain moulds used in the casting of metals An improved geombined corset and abdominal belt
9997 10291 10432 10491 10545 10579 10499 9869 9963 9995 -10229 10316 10370 10546 10573 10584	1893. September 6 September 6 September 6 September 6 September 6 September 6 September 13 September 14	Samuel Tonkin	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food An improvement in water-tube steam boilers Improved constructions of bridges, jetties, stagings, platform floors, and ceilings of buildings from iron or steel railway rails Improved method of and apparatus for the ventilation, and in som cases the distriction of sewers, mines, &c. Improved method of purifying water fed into the steam space of a steam boiler or generator, and apparatus therefor Improved mechanism for closing doors of railway carriages An improved means for supporting the damp-weather threshin apparatus of stripper harvesters An improvement in or relating to horse gear Improvements in apparatus for mixing flour and other materials Improvements in apparatus for mixing flour and other materials Improvements in apparatus for controlling the draft in chimneys An improved process and apparatus for generating steam by th aid of hot or molten slag from smelting or other furnaces. Improvements in the preparation of certain moulds used in th casting of metals An improved combined corset and abdominal belt A new or improved combined amalgamator, concentrator, an
9997 10291 10432 10491 10545 10579 10499 9869 9963 9995 10229 10316 10370	1893. September 6 September 6 September 6 September 6 September 6 September 6 September 13 September 14	Samuel Tonkin	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food An improvement in water-bube steam boilers Improved constructions of bridges, jetties, stagings, platform floors, and ceilings of buildings from iron or steel railway rails Improvements in water heaters Improved method of and apparatus for the ventilation, and in som cases the disinfection of sewers, mines, &c. Improvements in roller bearings An improved method of purifying water fed into the steam space of a steam boiler or generator, and apparatus therefor Improved mechanism for closing doors of railway carriages An improved means for supporting the damp-weather threshin apparatus of stripper harvesters An improvements in or relating to horse gear Improvements in apparatus for controlling the draft in chimneys An improved process and apparatus for generating steam by aid of hot or molten slag from smelting or other furnaces. Improvements in the preparation of certain moulds used in the casting of metals An improved combined corset and abdominal belt A new or improved combined amalgamator, concentrator, an separator Improvements in safety appliances for hydraulic lifts and cranes An improved method of and apparatus for lubricating the axles of railway rolling-states
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9997 10291 10432 10491 10575 10579 9869 9963 9995 -10229 10316 10370 10546 10573 10584	1893. September 6 September 13 September 14	Samuel Tonkin	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food An improvement in water-tube steam boilers Improved constructions of bridges, jetties, stagings, platforms floors, and ceilings of buildings from iron or steel railway rails Improvements in water heaters Improved method of and apparatus for the ventilation, and in som cases the disinfection of sewers, mines, &c. Improved method of purifying water fed into the steam space of a steam boiler or generator, and apparatus therefor Improved mechanism for closing doors of railway carriages An improved mensa for supporting the damp-weather threshin apparatus of stripper harvesters An improvement in or relating to horse gear Improvements in apparatus for mixing flour and other materials Improvements in apparatus for controlling the draft in chimneys An improved process and apparatus for generating steam by th aid of hot or molten slag from smelting or other furnaces. Improvements in the preparation of certain moulds used in th casting of metals An improved combined corset and abdominal belt A new or improved combined amalgamator, concentrator, an separator Improvements in safety appliances for hydraulic lifts and cranes An improved apparatus for the concentration or separation of ores Improvements in and relating to removable heels for boots an shoes
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9997 10291 10432 10491 10545 10579 10499 9863 9963 9963 10316 10573 10584 10598 10598 10607 10228 10452	1893. September 6 September 13 September 14 September 12 September 14 September 12 September 12 September 14 September 12 September 12 September 14 September 12 September 12 September 12 September 13 September 14 September 14 September 14 September 14 September 14 September 12 September 22 September 22	Samuel Tonkin	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food An improvement in water-bube steam boilers Improved constructions of bridges, jetties, stagings, platform floors, and ceilings of buildings from iron or steel railway rails Improvements in water heaters Improved method of and apparatus for the ventilation, and in som cases the disinfection of sewers, mines, &c. Improvements in roller bearings An improved method of purifying water fed into the steam space of a steam boiler or generator, and apparatus therefor Improved mechanism for closing doors of railway carriages An improved means for supporting the damp-weather threshin apparatus of stripper harvesters An improvements in apparatus for mixing flour and other materials Improvements in apparatus for controlling the draft in chimneys An improved process and apparatus for generating steam by th aid of hot or molten slag from smelting or other furnaces. Improvements in the preparation of certain moulds used in th casting of metals An improved combined corset and abdominal belt A new or improved combined amalgamator, concentrator, an separator Improvements in safety appliances for hydraulic lifts and cranes An improved method of and apparatus for lubricating the axles or railway rolling-stock An improved apparatus for the concentration or separation of ores Improvements in and relating to removable heels for boots an shoes An improved wire strainer A new or improved thimble or cylindrical protector for shafting of spindles of machinery An improved method composition for the cure of piles and for
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9997 10291 10492 10491 10545 10579 10499 9869 9963 9995 10229 10316 10370 10546 10598 10607 10228 10452 10452 10452 10538	1893. September 6 September 13 September 14 September 12 September 12 September 14 September 12 September 14 September 12 September 12 September 14 September 12 September 12 September 12 September 12 September 13 September 14 Septem	Samuel Tonkin	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food An improvement in water-tube steam boilers Improved constructions of bridges, jetties, stagings, platforms floors, and ceilings of buildings from iron or steel railway rails Improvements in water heaters Improved method of and apparatus for the ventilation, and in som cases the disinfection of sewers, mines, &c. Improvements in roller bearings An improved method of purifying water fed into the steam space of a steam boiler or generator, and apparatus therefor Improved mechanism for closing doors of railway carriages An improved menas for supporting the damp-weather threshing apparatus of stripper harvesters An improvement in or relating to horse gear Improvements in apparatus for controlling the draft in chinneys An improved process and apparatus for generating steam by the aid of hot or molten slag from smelting or other furnaces. Improvements in the preparation of certain moulds used in the casting of metals An improved combined corset and abdominal belt A new or improved combined amalgamator, concentrator, and soparator Improvements in safety appliances for hydraulic lifts and cranes An improved method of and apparatus for lubricating the axles of railway rolling-stock An improved wire strainer A new or improved thimble or cylindrical protector for shafting of spindles of machinery An improved medicinal composition for the cure of piles and fo exerting beneficial action on the liver
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9997 10291 10492 10491 10545 10579 9863 9995 10229 10316 10370 10546 10592 10607 10528 10551 10592 10594 10592 10592	1893. September 6 September 13 September 14 September 12 September 12 September 12 September 13 September 14 September 14 September 14 September 12 September 22	Samuel Tonkin	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food An improvement in water-tube steam boilers Improved constructions of bridges, jetties, stagings, platforms floors, and collings of buildings from iron or steel railway rails Improvements in water heaters Improved method of and apparatus for the ventilation, and in some cases the disinfection of sewers, mines, &c. Improvements in roller bearings An improved method of purifying water fed into the steam space o a steam boiler or generator, and apparatus therefor Improved mechanism for closing doors of railway carriages An improved menas for supporting the damp-weather threshing apparatus of stripper harvesters An improvement in or relating to horse gear Improvements in apparatus for mixing flour and other materials Improvements in apparatus for controlling the draft in chimneys An improved process and apparatus for generating steam by the aid of hot or molten slag from smelting or other furnaces. Improvements in the preparation of certain moulds used in the casting of metals An improved combined corset and abdominal belt A new or improved combined amalgamator, concentrator, and soparator Improvements in safety appliances for hydraulic lifts and cranes An improved method of and apparatus for lubricating the axles o railway rolling-stock An improved wire strainer A new or improved thimble or cylindrical protector for shafting or spindles of machinery An improved medicinal composition for the cure of piles and fo exerting beneficial action on the liver Improvements in and relating to pneumatic tyres and the method of fastening the same to the rims of wheels An improved window sash pulley Improvements in grips for cable tramways Improvements in sheep-shearing machines
9997 10291 10492 10491 10545 10579 10499 9869 9963 9993 10316 10570 10546 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 10598 1059	1893. September 6 September 13 September 14 September 12 September 12 September 12 September 12 September 14 September 12 September 14 September 12 September 12 September 14 September 12 September 22 September 25 September 25 September 26	Samuel Tonkin	An improved horse-collar rim and tug ring or hook An improved contrivance for grating bread or cheese or other food An improvement in water-tube steam boilers Improved constructions of bridges, jetties, stagings, platforms floors, and ceilings of buildings from iron or steel railway rails Improvements in water heaters Improved method of and apparatus for the ventilation, and in som cases the disinfection of sewers, mines, &c. Improvements in roller bearings An improved method of purifying water fed into the steam space o a steam boiler or generator, and apparatus therefor Improved mechanism for closing doors of railway carriages An improved means for closing doors of railway carriages An improved means for closing the damp-weather threshing apparatus of stripper harvesters An improvements in or relating to horse gear Improvements in apparatus for mixing flour and other materials Improvements in apparatus for controlling the draft in chimneys An improved process and apparatus for generating steam by the aid of hot or molten slag from smelting or other furnaces. Improvements in the preparation of certain moulds used in th casting of metals An improved combined corset and abdominal belt A new or improved combined amalgamator, concentrator, and soparator Improvements in safety appliances for hydraulic lifts and cranes An improved method of and apparatus for lubricating the axles or railway rolling-stock An improved wire strainer A new or improved thinble or cylindrical protector for shafting o spindles of machinery An improved method of concentration for the cure of piles and to exerting beneficial action on the liver Improvements in and relating to pneumatic tyres and the method of fastening the same to the rims of wheels An improved windows ash pulley Improvements in grips for cable tramways

PATENTS ON WHICH RENEWAL FEES HAVE BEEN PAID.

No.	.	Renewal F	ee.		Name.		
4718	3rd term	···			Philip Ludwig Luplau, Frederick Walter Luplau, and Henry Luplau		
4739	U				Alfred Buckingham Ibbotson		
4741	.,				Evan Rowlands		
4771	n				Robert Adams		
4787					John Joseph Reveley Humes		
7868	2nd term		•••	·	Edward William Cracknell		
7925	1 0				James Taylor		
8043	0	•••			Samuel England Jeans		
8054	**		***		Henry Arrow		
8071	- 11				Tom Parkinson and George Marsden Parkinson		
8085	0		***		William Brisbane and John Greenhill		
8100	- 0				William Perkins		
8106	' "			***	Edward Waters .		
8114	**				Peter Robertson Russell and Harry Wood Downing		
8119	rt	•••	•••		Frederick York Wolseley		
8124	D.				James Edward Fayll		
8129	l ir				Charles Cooper		
8132	11				William Charles Tank		
8144	II.				Harry Barringer Cox		
8145	"	,			William Paul Theermann and John Burford Foxwell		
8147	n	• • • •			John Beazley		
8163	i u				William Steed		
8195	11				Thomas Williams the younger		
8197	ji ji				Philip Diehl and William Brandt		
8205	1				George Edwin Woodbury		

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.
4697	John Hedley	Hedley's improved combined concentrator and electro-chemical	3rd term
$\frac{4702}{4706}$	Robert Bosse and Franz Wotters James Watt	amalgamator Improvements in hydraulic and other cements	11
4715	M	An improved deodorizing material Improvements in stamp-cancelling and post-marking machines	tt .
4717	I Educia Dkillina	An improvement in stone-breaking machines	- "
4721	James Middleton	Improvements in the cylinders of rock-drilling machines and other engine cylinders	"
4729	Edward John Houghton	Improvements in lighting railway trains by electricity and in apparatus for that purpose	11
8046	Henry Tipper	Improvements in rectangular wooden vessels or boxes and lids therefor	2nd term
8047 8049	George Massey John Kempf Campbell	Improvements in copper plates for use in gold-saving machines	lr .
8050	Charles Arthur Barrett and Alfred	A new or improved asphaltic composition An improved automatic or coin-freed dynamo meter or muscular	"
8051	Barrett	power testing machines	"
8052	Alfred Buckingham Ibbotson William Augustus Merralls	Improvements relating to couplings for railway carriages and other vehicles and to apparatus connected therewith	11
8053	Gustav Mahlstedt	A new and improved method of and apparatus for extracting gold A machine for channel, trench, or ditch construction, or for excavating	10
		generally	"
8055 8058	Lohn Patriels O'Donnell William	An improved amalgamator Improvements in connexion with safety bars and in detecting	0
	Edward Waters John Patrick O'Donnell, William Smith, and Illius Augustus Timmis Camille William Faucher William Faucher		11
8061	Camille William Faucher	An improved process for converting molasses into sugar	
8062	Goodwin Goodwin	Improvements in pari-mutuels or totalizators	"
8063	Robert Archibald White	An improved contrivance for automatically unloading trucks or waggens	11
8066	James Benjamin Poynter	Apparatus for facilitating the calculation of percentages and for some	U
8070	Joseph Temperley	A new or improved safety-stirrup attachment	**
8072	Herbert Lindley and Thomas Browett		ii.
8073	Walter Burnham	Improvements in and relating to apparatus for returning water of	11
		condensation from a steam-engine to the boiler or generator, and for similar purposes	19
8074	George Massey	Improvements in grinding page	II
8078	Frank Scudder and Harold Govett Colman	Improvements in the manufacture or treatment of gases containing carbonic oxide, such as water-gas and producer-gas, to render them odorous	ii.
8082	Thomas Barrett and Edmund Alfred Copp	An improved combined plate and nut for railway and other	11
8083	Alfred Julius Boult	Improvements in or relating to pneumatic guns	
8088	Thomas Rainsford Mills	Improvements in wire strainers	ü
8094	Robert Hill Crowden	Improvements in or connected with brushes used by printers and others	**
8095	Edward William Cracknell	Improvements in the treatment of night-soil and such like noxious matters and in apparatus therefor	ti
8096	Edward William Cracknell	Improvements relating to closets or privies and to pans therefor	11
8097	John Howell Neil McLead	Improvements in grinding and amalgamating pans	u .
8098 8099	T.L. II D	An improved potato digger	u
8102	Frank Arthur Harris	An improved como for narvesting machines An improved kiln for burning white bricks and tiles and dry or	11
	l.,	glazed pottery	.,
8103	Robert Robinson	Improvements in and apparatus for the manufacture of ventilated felt hats; helmets, and other coverings for the head	n
8104	John Kennedy	Improvements in and relating to sheaf-carriers for reaping and binding harvesters	и
8105	John Henry Niemann	A raw extract of meat preparation An improved combined scrubbing and mopping appliance	19
8108	Anne Clarke Holden	An improved combined scrubbing and mopping appliance	
8113 8117	Edward Waters John Howard Maynard	Improvements in traction engines	11
		Improvements in joining pieces of wood and pieces of other substances and materials	
8118	William Clark	An improved automatically flushing water-closet and apparatus in connexion therewith	0

APPLICATIONS ABANDONED.

No.	Date of Abandonu		Name.	Title.
1 0111	1893. August	4	Edward Hughes	An improved method of and apparatus for counter-balancing the weight of the moving mechanism of pumps and pumping machines
10117 10119	August August	8	Benja de Lissa Alexander Harrow	Improvements in incandescent burners for gas Regulating the supply of water in a tank or cistern to be used for the flushing of closets
10128 10133	August August	12 16	John Donaldson James Forster	An improved rotary engine An improved apparatus for use in washing clothes Improvements in apparatus for straining and connecting wire
10135 10136	August August	17 17	John Rose and George Burn Joseph Draffin	An improved rivet for the platforms and elevators of reaping and binding machines
10138	August	17	Edward Hughes, Edward Joseph Rigby, and John Sinclair Pirrie	Improvements in combined rotary ore-crushers and amalgamators
10144	August	19	Henry Ranisch	An improved cushion for billiard tables
10153	August	23	A. J. Inches	Closing and opening railway carriage doors
10156	August	24	Thomas Wilson Sloane	Improvements in potato digging, grading, and bagging machines
10157	August	24	John Christopher Marka	Improvements in automatic sluice-gates or bars for irrigation channels
10159	August	25	Alfred George Saunders	An improved platinum gas burner
10160	August	25	Gordon Fyfe	An improved coke cutting and bagging machine
10165	August	29	George Briggs, sen	Improvements in wharfdale printing machines
10166	August	29	Gustav Oswald	A double-lever driving power
10167	August	29	William Radford and James Baker	A machine for cutting mallee shoots and other shrubs Improvements in stump-jump ploughs and scarifiers
10170	August	30	Thomas Halford	Turbio veineurs in seminb-lamb broakits and seatmers

Applications V_{OID} .

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

No.	Date of Application becoming void.	Name.	Title.
9773	6th Sept., 1893	Henry Edward Kitton	The separation of minerals and metal-bearing ores, embracing an improved method of saving fine gold, and of treating gold bearing
9801	19th Sept., 1893	Edward Stafford	quartz, pyrites, and other minerals An improved cart for the transport of sealed cess-pans

Assignments Registered.

No,	Title.	Date of Registration.	Name of Assignee.	Whole or Part
5687	An improvement in certain descriptions of jigging	26th September, 1893	Angus Maclean and William Robert Fleming	Part .
5774	machines An improved bath-heater for fuel or gas	1st September, 1893	Margaret McFarlane and Elizabeth Sarah Forbes	Whole
7410	Improvements in dynamo-electric machines, in part applicable to electro motors	14th September, 1893	Maclean The Thomson-Houston International Electric Com-	Whole
8134	An improved contrivance for preventing horses running away with vehicles	25th September, 1893	Frank Vial	Whole
8475	Improvements in the method of and apparatus for raising sunken vessels	15th September, 1893	Thomas Sayburn	Part
8639	Improvements in the method and manufacture of ridge-capping beads and mouldings	15th September, 1893	Thomas Sayburn	Whole
9044	Improvements in the method of rolling metal tubes and similar structures	15th September, 1893	Thomas Sayburn	Whole

PART II.-TRADE MARKS.

APPLICATIONS FOR TRADE MARKS.



The essential particulars of the Trade Mark are the following:—The device, and applicant disclaims any right to the exclusive use of the added matter.

CLASS 2.

3552. Disinfectants. John Arthur Langford, of Bridge-road, Richmond, Victoria, draper. 5th August, 1893. (As a distinctive label.)



Applicants claim use of above Mark in Victoria in respect of Mustard, Starch, and Blue for eight years, and in respect of Corn Flour for four years prior to the year 1876.

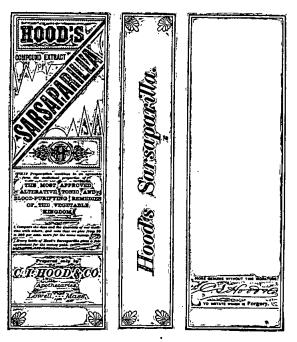
CLASSES 2, 3, 4, 42, AND 47.

3573. Class 2. Chemical Substances used for Agricultural, Hortcultural, Voterinary, and Sanitary purposes, including Mustard Refuse and Mustard Cake compressed for Manure. 3574. Class 3. Chemical substances prepared for use in Medicine and Pharmacy, including Mustard Oil, a preparation for human use. 3575. Class 4. Raw or partly prepared Vegetable, Animal, and Mineral substances used in manufactures not included in other classes, including Seed and Starch for manufacturing purposes, and Mustard Oil being a vegetable oil. 3576. Class 42. Substances used as food or as ingredients in food including Mustard Corn Flour, Wheaten Flour, and Whole Wheaten Meal. 3577. Class 47. Candles, Common Soap, Detergents, Illuminating, Heating, or Lubricating Oils, Matches, Starch, Blue, and other preparations for Laundry purposes, including Mustard Oil for illuminating, heating, or Inbricating purposes. J. and J. Colman, of 108 Cannon-street, London, England, mustard, starch, washing blue, and corn flour manufacturers. 16th August, 1893. (As a distinctive mark.)



The essential particulars of the Trade Mark are the following:—The combination of devices and applicant's name printed in a distinctive manner, and applicant disclaims any right to the exclusive use of the added matter.

CLASS 3.



CLASS 3.

3560. Medicine for human use. Charles I. Hood, trading as "C. I. Hood and Co.," of Lowell, Massachusetts, United States of America, manufacturing chemists. 16th August, 1893. (As a distinctive label.)



The essential particulars of the Trade Mark are the following:—The word "Dyspeptikes" and the device of a winged-spur, and applicant disclaims any right to the exclusive use of the added matter, except the words "Colonel Johnston's."

CLASS 3.

3580. Pills and Powder for human use. John Kent Johnston, of "Thrapston," Toorak-road, South Yarra, near Melbourne, Victoria, retired colonel. 22nd August, 1893. (As a distinctive label.)



The essential particulars of the Trade Mark are the following:—The representation of an aboriginal holding up a bottle of Coo-ce to his lubra, and above the words "Frost's Coo-ce Brand," and applicant disclaims any right to the exclusive use of the added matter.

CLASS 3.

3595. Eucalyptus Oil and Essential Oils for use in Medicine and Pharmacy. Edmund Frost, trading as "E.Frost," of Caramut, Victoria, essential oil distiller. 26th August, 1893. (As a distinctive brand.)

4332



CLASS

3601. Sheet Iron, Steel, and Fencing Wire. Richard Johnson, Clapham, and Morris Limited, of Melbourne, Victoria, and Manchester, England, metal merchants. 8th September, 1893. (As a distinctive brand.)

GLANZ.

CLASS 12.

3600. Razors. Chambers and Seymour, of Collins and Swanston streets, Melbourne, Victoria, ironmongers, 5th September, 1893. (As a word having no reference to the character or quality of the goods, and not being a geographical name.)

THE MILLER.

CLASS 13.

3608. Lamps. Foy and Gibson, of Smith-street, Collingwood, Victoria, warehousemen. 15th September, 1893. (As words having no reference to the character or quality of the goods, and not being a geographical name.)



TRADE MARK.

CLASSES 18, 24, 31, 34, 38, 40, 49, AND 50.

3561. Class 18. Engineering, Architectural, and Building contrivances. 3562. Class 24. India-rubber and Waterproof piece goods, containing cotton or cotton in combination with other materials, but cotton predominating. 3563. Class 31. India-rubber and Waterproof piece goods, containing silk or silk in combination with other materials, but silk predominating. 3563. Class 34. India-rubber and Waterproof piece goods containing wool or wool in combination with other materials, but wool predominating. 3565. Class 38. Articles of Clothing and Garments. 3566. Class 40. India-rubber and Waterproof goods, not included in other classes, and India-rubber and Waterproof piece goods manufactured from india-rubber with silk, wool, or cotton, or admixtures of the same. 3567. Class 40. Games of all kinds, and sporting articles not included in other classes. 3568. Class 50. Waterproof compounds, India-rubber solutions, Tarpaulins, Rick-cloths, Cart-covers, and similar articles; Tobacco pouches, Shoe soles, India-rubber thread, Hose tubing, Packing, Cycle tyres, and Cycle fitings and accessories, and other India-rubber, Gutta-percha, and Vulcanite goods. Chass. Macintosh and Co. Limited, of Cambridge-street, Manchester, and 30 Fore-street, London, England, india-rubber manufacturers, merchants, and commission agents. 16th August, 1893. (As a distinctive device.)

TALLY-HO.

CLASS 37.

3619. All goods included in this class. Foy and Gibson, of Smith-street, Collingwood, near Melbourne, Victoria, ware-housemen. 20th September, 1893. (As words having no reference to the character or quality of the goods, and not being a geographical name.)

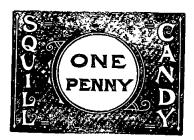


N.B.—Representation of a "Series" under section 10 of the Act.

The essential particulars of the Trade Mark are the following:—Our registered Trade Mark, No. 2235, in combination with various words as stated.

CLASS 38.

3586 to 3594. Boots and Shoes. Bedggood and Company, of 183 Flinders-lane, Melbourne, boot manufacturers. 25th August, 1893. (As a series of distinctive brands.)



CLASS 42.

3558. Confectionery. John Hearn McPhillimy, trading as "Dillon, Burrowes, and Company," of Prince's bridge, South Melbourne, Victoria, confectioner. 12th August, 1893. (As a distinctive label and brand.)



Applicants claim use of the above Trade Mark in respect of the Article mentioned, for three years prior to the year 1876, in Victoria.

CLASS 42.

3570. Mustard. J. and J. Colman, of 108 Cannon-street, London, England, mustard, starch, washing blue, and corn flour manufacturers. 16th August, 1893. (As a distinctive label.)

October 28, 1893.

4334



CLASS 42.

3602. A Meal for Feeding Calves. William Wallace Clarke, of Hartington-street, Elsternwick, dairyman. 9th September, 1893. (As a distinctive device.)



STAR RRAND

CLASS 42.

3603. Coffee, Coffee and Chicory, French Coffee, Essence of Coffee, Chicory, Cocoa, Dandelion Coffee, Dandelion Cocoa and Tea, not being hermetically preserved food of a like character to preserved fish, meats, and vegetables. Robert Harper and Company, of 352 Little Flinders-street, Melbourne, Victoria, merchants. 9th September, 1893. (As a distinctive mark.)

UNICORN



BRAND

CLASS 42.

3618. Butter. Charles W. Gray and Co., of 57 William-street, Melbourne, Victoria, produce salesmen. 19th September, 1893. (As a distinctive brand.),



The essential particulars of the Trade Mark are the following:—The device of a shield, surmounted by a castellated crown, and flanked by two medals, and applicants disclaim any right to the exclusive use of the added matter.

CLASS 43.

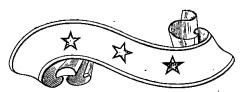
3584. Cognac. James Prunier and Company, of 483 Collins-street, Melbourne, Victoria, importers. 25th August, 1893. (As a distinctive label.)



The essential particulars of the Trade Mark are the following:—The device of the coat-of-arms at top of label, the vintage, and the words "Le Roi Grande" being printed in red colour, and applicants disclaim any right to the exclusive use of the added matter.

CLASS 43.

3605. Cognac. Ramsay and Son, of 317 to 323 Flinders-lane, Melbourne, Victoria, merchants. 12th September, 1893. (As a distinctive label.)



The essential particulars of the Trade Mark are the following:—The device of a scroll, used as a neck label, bearing three red stars, and applicants disclaim any right to the exclusive use of the added matter.

CLASS 43.

3606. Cognac. R. Ramsay and Son, of 317 to 323 Flinders-lane, Melbourne, Victoria, merchants. 12th September, 1893. (As a distinctive label.)



CLASS 43.

3614. Beer, Spirits, Wines, Liqueurs, and Cordials (Alcoholic), Cyder, and Perry. M. B. Foster and Sons Limited, of 27 Brook-street, Bond-street, London, England, ale and beer merchants and manufacturers of pure mineral waters. 15th September, 1893. (As a distinctive mark.)

PANPANIS.

CLASS 44.

3607. Non-intoxicating Beverages. George Marchant, trading as "Marchant and Company," of York-street, Richmond, Victoria, hop beer brewers and aërated water manufacturers. 12th September, 1893. (As an invented word.)

ROSE.

CLASS 45.

3596. Tobacco, Cigars, and Cigarettes. William Cameron Brothers and Company Limited, of a Beckett-street, Melbourne, Victoria, tobacco manufacturers. 30th August, 1893. (As a word having no reference to the character or quality of the goods, and not being a geographical name.)

October 28, 1893.

4336



CLASS 45.

3597. Tobacco, Cigars, and Cigarettes. William Cameron Brothers and Company Limited, of a'Beckett-street, Melbourne, Victoria, tobacco manufacturers. 30th August, 1893. (As a distinctive label.)



CLASS 45.

3599. Cigarettes. Pavlo Manolis and Co., of 287 Rathdown-street, Carlton, Melbourne, Victoria, cigarette manufacturers. 5th September, 1893. (As a distinctive label.)



The essential particulars of the Trade Mark are the following:—The word "Star" and the device of four stars as shown, and applicants disclaim any right to the exclusive use of the added matter.

CLASS 45.

3609. Cigarettes. Ludzki Brothers, of 108 Pelham-street, Carlton, near Melbourne, Victoria, cigarette manufacturers. 15th September, 1893. (As a distinctive label.)



The essential particulars of the Trade Mark are the following:—The words "Happy Jack," and applicants disclaim any right to the exclusive use of the added matter.

CLASS 45.

3610. Tobacco, Cigars, Snuff, and Cigarettes. Dudgeon and Arnell Limited, of 524 Lonsdale-street, Melbourne, Victoria, tobacco manufacturers. 15th September, 1893. (As a distinctive label.)



The essential particulars of the Trade Mark are the following:—The word "Sport," and applicants disclaim any right to the exclusive use of the added matter.

CLASS 45.

3612. Tobacco, Cigars, Snuff, and Cigarettes. Dudgeon and Arnell Limited, of 524 Lonsdale-street, Melbourne, Victoria, tobacco manufacturers. 15th September, 1893. (As a distinctive label.)



The essential particulars of the Trade Mark are the following:—The words. "St. Leger," and applicants disclaim any right to the exclusive use of the added matter.

CLASS 45.

3613. Tobacco, Cigars, Cigarettes, and Snuff. Dudgeon and Arnell Limited, of 524 Lonsdale street, Melbourne, Victoria, tobacco manufacturers. 15th September, 1893. (As a distinctive label.)



CLASS 45.

3615. Manufactured Tobacco. David Dunlop, of Petersburg, Virginia, United States of America, tobacco manufacturers. 18th September, 1893. . (As a distinctive label.)



CLASS 45.

3620. Cigars. John Henry Veen and Co., of 52 Little George-street, Fitzroy, near Melbourne, Victoria, cigar manufacturers. 20th September, 1893. (As a distinctive brand.)



The essential particulars of the Trade Mark are the following:—The invented word "Bendigonia" and the name of applicant printed in a distinctive manner, and applicant disclaims any right to the exclusive use of the added matter.

CLASS 48.

3519. Perfumery. William Perton Sinclair, of Charing Cross, Bendigo, Victoria, chemist and druggist. 17th June, 1893. (As a distinctive label.)

4338

TRADE MARKS REGISTERED.

No.	Na	me.					Class.	Gazetted.
3457	J. W. Richardson						42	20.4.93
3507	Anthun Molacino						3	16.6.93
3529	Wilhelm Benger and Gottlieb Benger (W				•••		38	21.7.93
3530	Wilhelm Benger and Gottlieb Benger (W	7. Benger Söl	ne)		•••		38	14.7.93
3532	John Bedggood, Richard Henry Cooke, as	nd William R	ederick	Greenwo	ood (Bede		38	4,8,93
0002	and Co.)		04011011	GI-COII	/ Cu (D -)	18-11-		}
3544	Canana Sahutan						38	28.7.93
546	The Ricketson Wool Washing Soap Com	nany Timita	a		•••		47	28.7.93
		charth Yumroo	1	•••	• • • •	•••	42	28.7.93
547			***	***	•••		45	4.8.93
548			•••	***	•••		* 38	. 4.8.93
549			***	***	***	}		11.8.93
3553			•••	***			45	
3554				***	• • • •		45	11.8.93
3555	Dudgeon and Arnell Limited				1+4	1	45	11.8.93
3556	Dudgeon and Arnell Limited		***				45	11.8.93
3559	Toons Common (Muillermone Wood)				***		50	18.8.93
3578	Fenwick Hamilton (Fenwick Hamilton			•••	•••		43	25.8.93
579	Taman Dishandson	•		•••			42	25.8.93
3581	The Tales Thited Dhensens Co		***				6	25.8.93
			••-	•••		***	47	25,8,93
58 3	Foy and Gibson		•••	•••	•••			

SUBSEQUENT PROPRIETORS REGISTERED.

No.	Former Proprietor.	Subsequent Proprietor.	Class.
30	Charles Martell, Edoard Martell, and Gabriel	Edouard Martell (Martell and Co.)	43
31	Martell (Martell and Co.) Charles Martell, Edoard Martell, and Gabriel Martell (Martell and Co.)	Edouard Martell (Martell and Co.)	43
32	Charles Martell, Edoard Martell, and Gabriel Martell (Martell and Co.)	Edouard Martell (Martell and Co.)	43
33	Charles Martell, Edoard Martell, and Gabriel Martell (Martell and Co.)	Edouard Martell (Martell and Co.)	. 43
99	Charles Martell, Edoard Martell, and Gabriel Martell (Martell and Co.)	Edouard Martell (Martell and Co.)	. 43
100	Charles Martell, Edoard Martell, and Gabriel Martell (Martell and Co.)	Edouard Martell (Martell and Co.)	43
1511	William John Belville (Keen, Robinson, and Belville)	Emma Belville (Keen, Robinson, and Belville) .	42
1512	William John Belville (Keen, Robinson, and Belville)	Emma Belville (Keen, Robinson, and Belville) .	42
1513	William John Belville (Keen, Robinson, and Belville)	Emma Belville (Keen, Robinson, and Belville)	47
1868	Martell and Co	Edouard Martell (Martell and Co.)	43
1869	Martell and Co	Edouard Martell (Martell and Co.)	43
1870	Martell and Co		43
1871	Martell and Co		43
2503	John Oakey and Sons		50 50
2504	John Oakey and Sons	John Oakey and Sons Limited	50

TRADE MARKS RENEWED.

No.	Renswal Fee.		Name of Proprietor.						
87	Fourteenth year		John Dudgeon and Charles Arnell						45
88	,,		John Dudgeon and Charles Arnell	***		***	•••		45
88 89	ï.		John Dudgeon and Charles Arnell			***	•••	***	45
90	9		John Dudgeon and Charles Arnell		•••			(. 45
91	ii		John Dudgeon and Charles Arnell			•••	•••		45
92	11		John Dudgeon and Charles Arnell	•••	•••				45
96	- 11		John Dudgeon and Charles Cauty Arnell			•••	•••		45
97	11		John Dudgeon and Charles Cauty Arnell		• • •		•••		45
62		•	The Morgan Crucible Company Limited		***			{	50

APPLICATION OPPOSED.

No.	Name.	By whom Opposed.	Class.	Gazetted.	
3595	Edmund Frost (E. Frost)	John Eckersley	3	1.9.93	

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