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**GOVERNMENT GAZETTE**

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

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PART I.—PATENTS.

APPLICATIONS FOR PATENTS.

No. 10630. By Charles James Polain, of "Olderfleet," Collins-street, Melbourne, Victoria, architect, for "An improved automatic music and book leaf turnover, holder, and stand." 1st July. Provisional.

No. 10631. By John Galvin, of 114 Falconer-street, North Fitzroy, Victoria, for "An improved electric telegraph key for sending firmly on short and long telegraph lines, particularly in wet weather, and on cables, &c., also for operators who are suffering from scrivener's cramp or paralysis, and being light and portable can be used for military purposes, &c." 1st July. Provisional.

No. 10632. By Felix Tanner, coachpainter, and James Halligan, wheelwright, both of Bonnie Doon, Victoria, for "An improved construction for raising sunken vessels." 3rd July. Provisional.

No. 10633. By William Vandome, of Salop-street, Kensington, South Australia, mining manager, for "Improvements in the treatment of slimes and finely-crushed ores to render them amendable to lixiviation and other processes for the extraction of metals." 3rd July. Provisional.

No. 10634. By John Edward Buchan, of Bath Corner, Bendigo, Victoria, tailor and outfitter, for "An improved combined purse and safety pocket." 3rd July. Complete.

No. 10635. By Paul A. Renzow, of Pakington-street, Geelong West, Victoria, carpenter, for "A treble onion seed-sowing machine." 3rd July. Complete.

No. 10636. By Joseph S. Boden, of Maclean, Clarence River, New South Wales, engineer, for "A new feed water-heater." 3rd July. Complete.

No. 10637. By David Mudie, of Francis-street, Yarraville, Victoria, prospector, for "An improved machine for crushing and pulverizing valuable metallic ores, and amalgamating and concentrating same." 3rd July. Provisional.

No. 10638. By Joseph North Cocker, of West Devonport, Tasmania, farmer, for "Improvements in potato harvesters." 4th July. Provisional.

No. 10639. By Thomas James Bentyne Underwood, of 26 Edgerton-street, Hawthorn, Victoria, engine-driver, for "An improved spark arrester for use in portable, locomotive, or other engines." 4th July. Provisional.

No. 10640. By John Riddle, of 209 Moray-street, South Melbourne, Victoria, engine-driver, for "Improvements in machines for cross-cutting and ripping deals into boards, principally adapted for use in manufacturing packing cases." 4th July. Provisional.

No. 10641. By John Henry Hill Duncan, of 39 Coleman-street, London, England, chartered accountant, for "Improvements in the manufacture of butter and in churns or apparatus therefor." 4th July. Complete.

No. 10642. By James Boreas Crook, William Augustine Busst, and Richard Bills, all of 314 Little Bourke-street, Melbourne, Victoria, wire workers, for "An improved woven wire spring bolster or pillow rest." 4th July. Complete.

No. 10643. By Robert Alexander Sloan and John Edward Lloyd Barnes, for "Improvements in apparatus for sealing cans or other containing vessels." 4th July. Complete.

No. 10644. By Walter Charles Church, of 6 Trinity-square, Brixton, in the county of Surrey, England, engineer, for "Improvements in or connected with steam and other motive fluid engines." 5th July. Complete.

No. 10645. By Edward Thunderbolt, of Drummond-street, Carlton, Victoria, engineer, for "An automatic quick-acting governor for controlling the supply of actuating fluids to motors." 6th July. Provisional.

No. 10646. By George Berry Edwards, of Melbourne, Victoria, saddle-tree manufacturer, for "Improvements in cap gullet plates." 6th July. Provisional.

No. 10647. By James Wilson, of Bridge-street, Bendigo, Victoria, shoemaker, for "Improvements in planing the welts and edges of boots." 7th July. Complete.

No. 10648. By Joseph Hastings Kilgour, traveller, and William Thomas Barratt, clerk, both of 484 Collins-street, Melbourne, Victoria, for "An improved lining for butter boxes for export." 7th July. Provisional.

No. 10649. By Stuart Bell, of Gower-street, Kensington, Victoria, tobacconist, William Shaw, of Bruce-street, Kensington aforesaid, ironworker, Thomas Ness, of King Lake, Victoria, engineer, and Alexander Ness, of Hampton-road, Kensington aforesaid, stonemason, for "An improved spark extinguisher for locomotive and other steam-engine boilers." 10th July. Provisional.

No. 10650. By James George Ter Hofsteede, of Banyan-street, Warrnambool, Victoria, saddler, for "An improved fastening for leggings." 10th July. Complete.

No. 10651. By Frederick York Wolseley, of The Union Club, Sydney, New South Wales, gentleman, for "Improvements in sheep-shearing machines." 11th July. Complete.

No. 10652. By Joseph George Dodd, of Egremont, in the county of Chester, England, ironmonger, for "An improved device for holding fly-papers and the like." 11th July. Provisional.

No. 10653. By Arthur Otto Sachse, of 454 Collins-street, Melbourne, Victoria, patent agent, for "Improvements in cigarette machines." 11th July. Complete.

No. 10654. By Christopher Hatton, of Clapham, England, gentleman, for "Improvements relating to methods of producing and apparatus for producing and containing aerated or gaseous liquids." 11th July. Complete.

No. 10655. By James Dennis Horne, of Westbury, Tasmania, general agent, for "A method for the extermination of rabbits." 11th July. Provisional.

No. 10656. By Reuben Withell, of Brookside, Canterbury, New Zealand, dairy expert, for "Apparatus to be used in connexion with milking machines for the purpose of automatically disengaging the teat-cups from cows." 12th July. Complete.

No. 10657. By William Shearing Bushby, of the South Melbourne Engineering Works, Smith-street, South Melbourne, Victoria, engineer, for "Improvements in locks and striking plates, principally applicable to railway carriage-door locks." 12th July. Provisional.

No. 10658. By Marcel Certain, of 53 Oxford Chambers, Bourke-street, Melbourne, Victoria, civil engineer, for "A new or improved method of and machinery and apparatus for treating the sulphide ores of antimony, more especially those known as 'rebellious' or 'refractory.'" 13th July. Complete.

No. 10659. By Charles James Polain, of "Oldfleet," Collins-street, Melbourne, Victoria, architect, for "An improved cash and parcel transit apparatus." 14th July. Complete.

No. 10660. By Henry Williams, of Serviceton, Victoria, storekeeper, for "An improved ploughshare." 14th July. Complete.

No. 10661. By James Hugh Brake, ironmonger, and Richard Bradbury, plumber, both of Horsham, Victoria, for "The manufacture of a combination pipe, the exterior portion whereof is of earthenware and the interior portion whereof may be metal, paper, or canvas." 15th July. Provisional.

No. 10662. By Edwin James Foord, of Arrowtown, New Zealand, electrical engineer, for "An improved rabbit trap." 15th July. Provisional.

No. 10663. By Robert Lascelles, of Latrobe-street, Melbourne, Victoria, salesman, for "Improvements in cooking utensils." 17th July. Provisional.

No. 10664. By Walter Greenlaw and William Greenlaw, both of Eastern Arcade, Melbourne, Victoria, for "Foster-mother to rear chickens." 17th July. Provisional.

No. 10665. By Walter Greenlaw and William Greenlaw, both of Eastern Arcade, Melbourne, Victoria, for "Economic heater." 17th July. Provisional.

No. 10666. By Walter Greenlaw and William Greenlaw, both of Eastern Arcade, Melbourne, Victoria, for "Improved incubators and new system of incubation." 17th July. Provisional.

No. 10667. By Matthew Graves Braithwaite Jefferson, of 271 Collins-street, Melbourne, Victoria, financial agent, for "An improved portable fire-box or basket for use in household grates." 17th July. Provisional.

No. 10668. By Robert Ferguson, engineer, and Aron Turner Danks, merchant, both of Bourke-street, Melbourne, Victoria, for "Improvements in milking machines." 17th July. Complete.

No. 10669. By Israel Martin, of 113 Mair-street, Ballarat, Victoria, for "Potato planting." 18th July. Complete.

No. 10670. By Crichton Mitchell Strachan, of Thomson's Gully, near Inglewood, Victoria, miner, and Thomas Henry Craine, of City-road, South Melbourne, Victoria, carriage builder, for "Saving the fine gold in quartz tailings by electricity." 18th July. Provisional.

No. 10671. By Crisp Molineux Harridge, of 265 Lygon-street, Carlton, Victoria, chemist, for "Chloride of ammonia inhaler." 18th July. Provisional.

No. 10672. By William Carroll, of Bungalally, near Horsham, Victoria, farmer, for "An improved stump-jump plough and cultivator." 18th July. Provisional.

No. 10673. By George Frederick Harper, of the Gasometer, St. Kilda-road, Melbourne, Victoria, gentleman, for "Improved apparatus for playing the game of parlour flip quoits." 18th July. Provisional.

No. 10674. By Walter Greenhields, of Cobden-street, Auckland, New Zealand, bracist, for "Improved hygienic shoulderettes." 19th July. Complete.

No. 10675. By William Dundas Scott Moncrieff, of 14 Victoria-street, Westminster, London, England, engineer, for "Improvements in the treatment of sewage and in apparatus therefor." 19th July. Complete.

No. 10676. By La Société Anonyme pour l'Exploitation en Europe des Brevets et Appareils Webster's Vacuum en liquidation, of Antwerp, Belgium, for "Improvements in and relating to apparatus for heating and purifying water for use in steam boilers and for other purposes." 19th July. Complete.

No. 10677. By Samuel Kenneth McIver, of Ballarat, Victoria, plumber, for "Improvements in kitchen ranges or one-fire stoves." 20th July. Provisional.

No. 10678. By Henry John Summerhayes, of San Francisco, state of California, United States of America, for "Belts for ore concentrators." 20th July. Complete.

No. 10679. By Edward Thunderbolt, of Drummond-street, Carlton, Victoria, engineer, for "Improvements in water wheels for motive power." 20th July. Provisional.

No. 10680. By Edward Waters, of 131 William-street, Melbourne, Victoria, patent agent, for "Improvements in or connected with crushing or grinding mills, more especially intended for grinding or reducing ores containing precious metals, and for separating metals therefrom by amalgamation." 20th July. Complete.

- No. 10681. By Andrew Cant, of 18 Armstrong-street, Ballarat, Victoria, copper-smith, gasfitter, and plumber, for "An improved water-heater for bath purposes." 21st July. Provisional.
- No. 10682. By Thomas Livingston, of 460 Flinders-lane, Melbourne, Victoria, produce merchant, for "An improved valve attachment for ball hydrants to prevent the inflow of surface drainage to mains, said valve being also useful in pumps and engines." 21st July. Complete.
- No. 10683. By William King Baker and George Samuel Baker, both of London, England, engineers, for "Improvements in bakers' ovens." 21st July. Complete.
- No. 10684. By Edward Parker, of Mitchell-street, Bendigo, Victoria, general blacksmith, for "Tree-guards." 22nd July. Provisional.
- No. 10685. By Joseph William Payter, of "Carrs," Bay-street, North Brighton, Victoria, telegraph manager, for "An improved composition to be used as a substitute for goods manufactured of earthenware, potteryware, and such like compositions." 22nd July. Provisional.
- No. 10686. By George Johnson, of Neereman, Victoria, farmer, for "Improvements in water-lifting machines." 24th July. Complete.
- No. 10687. By Marcel Certain, of 53 Oxford Chambers, Bourke-street, Melbourne, Victoria, civil engineer, for "A new or improved method of and machinery or apparatus for treating silver ores, more especially those ores known as 'rebellious' or 'refractory' and commonly called 'sulphide ores.'" 24th July. Provisional.
- No. 10688. By Lewis Blaney Mitchell, of 29 Bligh-street, Sydney, New South Wales, civil engineer, for "Improvements in non-conductors and insulation employed for electrical purposes." 24th July. Complete.
- No. 10689. By Thomas Burke Fogarty, of 23 Welling-street, Astoria Station, Long Island City, Queen's County, state of New York, United States of America, chemist, for "Process and apparatus for the production of cyanides and ammonia, and gases for use in such production." 24th July. Complete.
- No. 10690. By Ernest Liebmann, of Broken Hill, New South Wales, produce merchant, for "Improvements in the mode of dividing blocks of butter and apparatus for that purpose." 24th July. Complete.
- No. 10691. By Alexander Robert Hislop, of Panama-street, Wellington, New Zealand, watchmaker, for "A new or improved advertising ruler." 25th July. Complete.
- No. 10692. By Joseph Harrison, of 13 Farrell-street, Port Melbourne, Victoria, ganger, and Robinson Ritson, of Newlands, Coburg, near Melbourne, Victoria, salesman, for "An improved screw bolt and method of locking nuts on such bolts." 25th July. Complete.
- No. 10693. By Albert E. R. Swanson, of 243 corner of Queen and Lonsdale streets, Melbourne, Victoria, patent agent and consulting engineer, for "The dry treatment whilst in suspense or on circuit of metalliferous ore tailings or auriferous crushings for the amalgamation and recovery of precious metals and apparatus therefor." 25th July. Provisional.
- No. 10694. By Edward Moran, of 19 Rosslyn-street, West Melbourne, Victoria, contractor, for "An improved spark arrester for locomotive and similar steam-engines." 25th July. Provisional.
- No. 10695. By William Wilson, of 200 Faraday-street, Carlton, Victoria, sanitary engineer, for "An apparatus to prevent waste of water." 26th July. Complete.
- No. 10696. By Robert Gerrard, jun., of Caithlaw, Benjeroop, near Swan Hill, Victoria, farmer, for "An improved combined motor and agricultural implement, specially suited for the mallee country." 26th July. Provisional.
- No. 10697. By Thomas Willmot, of Toongabbie, New South Wales, and Michael Thomas Morgan, of Arncliffe, near Sydney, New South Wales, trading as "Willmot and Morgan," contractors, for "Improved apparatus for coating paving blocks, other like blocks, and lengthy supple subjects with tar, oil, pigments, or other liquids." 27th July. Complete.
- No. 10698. By Oscar Elphick, of Lambeth Sanitary Engineering Works, Albert Embankment, in the county of Surrey, England, sanitary engineer, for "Improvements in water-closets." 27th July. Complete.
- No. 10699. By Richard Russell Gubbins, of Belvedere, in the county of Kent, England, engineer, and George Harcourt, of 45 Essex-street, London, England, engraver, for "Improvements in tyres for the wheels of bicycles and other vehicles." 27th July. Complete.
- No. 10700. By Cornelis Frederik Alexander Roell, of The New Lyric Club, 63 St. James'-street, in the county of Middlesex, England, a Jonkeer of the Kingdom of Holland, for "Improvements in or connected with coin-operating or automatic delivery machines and means for facilitating the storage and delivery of postage stamps therein." 28th July. Complete.
- No. 10701. By Frederick York Walseley, of Sydney, New South Wales, gentleman, for "Improved automatic sheep branding and counting contrivances." 28th July. Complete.
- No. 10702. By John Henderson Roberts, jun., of High-street, Rushworth, Victoria, storekeeper, for "Improved contrivances for converting ordinary brace bits into gimlets." 28th July. Complete.
- No. 10703. By Lars Larson, of 109 Drummond-street, Carlton, Victoria, traveller, for "A new or improved coin-freed stereoscope." 28th July. Provisional.
- No. 10704. By James Hugh Brake, ironmonger, and Richard Bradbury, plumber, both of Horsham, Victoria, for "The use of earthenware pipes whereby they are rendered capable of conveying water at high pressure." 29th July. Provisional.
- No. 10705. By Benjamin Friederich Wilhelm Beiset, of 79 Moore-street, South Yarra, Victoria, chemist, for "An improved anti-damp and preservative paint or solution." 29th July. Provisional.
- No. 10706. By Joseph William Sutton, of Eagle-street, Brisbane, Queensland, engineer, for "Improvements in the chlorination of pulverized ores containing gold or silver and in apparatus therefor." 29th July. Complete.
- No. 10707. By Edwin George Staniforth, of Redfern, near Sydney, New South Wales, photographer, John Deighton, of Ashfield, near Sydney aforesaid, clerk, and William Speer Coulter, of Double Bay, Woollahra, near Sydney aforesaid, general agent, for "An improved domestic milk receiver." 31st July. Complete.
- No. 10708. By Robert McCully, of 1415 North 19th-street, in the city and county of Philadelphia, state of Pennsylvania, United States of America, manufacturer, for "Improvements in crushing machines." 31st July. Complete.

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# PROVISIONAL SPECIFICATIONS ACCEPTED.

No.	Date of Acceptance.	Name.	Title.
1893.			
10613	July 1	William Horton ... ..	An improved trap for rats, mice, rabbits, and other vermin
10619	July 3	William Bolton ... ..	Improved appliances to be used in starting horses at race meetings
10627	July 3	Philipp Miller ... ..	An improved buggy lifting jack
10620	July 4	Jabez Gadsden ... ..	Improvements in lithographic and typographic printing machines to enable them to be used for printing on flat surfaces of tin or other metals, wood, or glass, with special feed and registering arrangements, and also automatic delivery and packing arrangements for the same
10621	July 4	John Alves ... ..	A draught preventer and ventilator
10628	July 4	Henry Montague Field ... ..	A new or improved ticket or coupon for passengers
10629	July 4	Arthur Ellis Wrixon Gresson ... ..	An improved method of starting horses at races
10511	July 5	Robert Ferguson ... ..	Improvements in automatic flushing syphons
10597	July 5	William Bleckman and Carl Gadcke ... ..	A process of neutralizing tannin contained in tea
10624	July 6	George Thomas Gatland ... ..	An improved spark arrester for locomotive and other steam-engine boilers
10631	July 6	John Galvin ... ..	An improved electric telegraph key for sending firmly on short and long telegraph lines, particularly in wet weather, and on cables, &c., also for operators who are suffering from scrivener's cramp or paralysis, and being light and portable can be used for military purposes, &c.
10572	July 7	William Samuel Husbands ... ..	Improvements in spectacles, specially adapted for the cure of strabismus or squinting
10632	July 7	Felix Tanner and James Halligan ... ..	An improved construction for raising sunken vessels
10633	July 7	William Vandome ... ..	Improvements in the treatment of slimes and finely-crushed ores to render them amenable to lixiviation and other processes for the extraction of metals
10630	July 8	Charles James Polain ... ..	An improved automatic music and book leaf turnover, holder, and stand
10637	July 8	David Mudie ... ..	An improved machine for crushing and pulverizing valuable metallic ores and amalgamating and concentrating same
10638	July 8	Joseph North Cocker ... ..	Improvements in potato harvesters
10639	July 8	Thomas James Bentyne Underwood ... ..	An improved spark arrester for use in portable locomotive or other engines
10640	July 11	John Riddle ... ..	Improvements in machines for cross-cutting and ripping deals into boards, principally adapted for use in manufacturing packing cases
10617	July 13	Frederick Pyton ... ..	An improvement in riding saddles
10645	July 13	Edward Thunderbolt ... ..	An automatic quick-acting governor for controlling the supply of actuating fluid to motors
10648	July 14	Joseph Hastings Kilgour and William Thomas Barratt ... ..	An improved lining for butter boxes for export
10576	July 18	Archibald Dickson Hunter and Jonathan Rauken Henderson ... ..	An improved fusee for pyrotechnic displays or signalling at sea
10616	July 18	Hans Urban ... ..	An improved spark arrester for locomotive and other steam-engine boilers
10649	July 18	Stewart Bell, William Shaw, Thomas Ness, and Alexander Ness ... ..	An improved spark extinguisher for locomotive and other steam-engine boilers
10652	July 19	Joseph George Dodd ... ..	An improved device for holding fly-papers and the like
10646	July 21	George Berry Edwards ... ..	Improvements in cap gullet plates
10667	July 21	Matthews Graves Braithwaite Jefferson ... ..	An improved portable fire box or basket for use in household grates
10662	July 24	Edwin James Foord ... ..	An improved rabbit trap
10672	July 25	William Carroll ... ..	An improved stump-jump plough and cultivator
10673	July 25	George Frederick Harper ... ..	Improved apparatus for playing the game of parlour flip quoits
10657	July 26	William Shearing Bushby ... ..	Improvements in locks and striking plates, principally applicable to railway carriage-door locks
10685	July 27	Joseph William Payter ... ..	An improved composition to be used as a substitute for goods manufactured of earthenware, potteryware, and such like compositions
10622	July 28	Jabez Brown ... ..	An improved regulating draft attachment for ploughs
10693	July 28	Albert E. B. Swanson ... ..	The dry treatment whilst in suspense or on circuit of metalliferous ore tailings or auriferous crushings for the amalgamation and recovery of precious metals and apparatus therefor
10670	July 28	Crichton Mitchell Strachan and Thomas Henry Craine ... ..	Saving the fine gold in quartz tailings by electricity

# 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.			
9869	July 7	Hans Urban ... ..	Improved mechanism for closing doors of railway carriages
9963	July 7	Samuel May ... ..	An improvement to damp-weather stripping machines
9995	July 7	Joseph William Muntz ... ..	An improvement in or relating to horse gears
10370	July 7	John Howell and Edgar Arthur Ashcroft ... ..	An improved process and apparatus for generating steam by the aid of hot or molten slag from smelting or other furnaces
10546	July 7	James Seymour Phillip Stutley ... ..	An improved substance or material for facing moulds used in the casting of metals
10573	July 7	Elizabeth Merrillees ... ..	An improved combined corset and abdominal belt
10584	July 7	Edward Hughes, John Sinclair Pirrie, and Edward Joseph Rigby ... ..	A new or improved combined amalgamator, concentrator, and separator
10596	July 7	Frederick Glass ... ..	Improvements in safety appliances for hydraulic lifts and cranes
10598	July 7	Edward Bond Baker ... ..	An improved method of and apparatus for lubricating the axles of railway rolling-stock
10607	July 7	Mortimer Stuckey, Henry Arthur, and Frederick May ... ..	An improved apparatus for the concentration or separation of ores
9941	July 14	George Emerson Armstrong ... ..	Improvements in apparatus and processes for treating fibrous plants for the purpose of obtaining fibres therefrom, applicable also for treating or finishing yarns and fabrics
10228	July 14	William Hitch Purser and Walter Morrison ... ..	Improvements in the heels of boots and shoes
10452	July 14	Richard Balmer Amery ... ..	Straining wire, called "Improvements in my dual-draw wire strainer"
10538	July 14	John Hunt ... ..	Protection of spindles

COMPLETE SPECIFICATIONS ACCEPTED—*continued.*

No.	Date of Publication.		Name.	Title.
	1893.			
10551	July	14	Margaret Rollan...	Improvements in medicinal compositions for the cure of piles and for exerting beneficial action on the liver
10592	July	14	Sydney Smith, Thomas Dunn Glen, and William Purvis	Improvements in and relating to pneumatic tyres and the method of fastening the same to the rims of wheels
10594	July	14	George Mead and Edward John Mitchell	An improved fastening for leggings
10603	July	14	Thomas Colles	Improved window-sash pulley
10604	July	14	Gustave Joseph Fischer	Improvements in grips for cable tramways
10606	July	14	Guiseppe Garibaldi Turri	Improvements in sheep-shearing machines
10623	July	14	Theodore Guilleaume	Improvements in electric cables
10537	July	21	Edward Waters	Apparatus for playing a new game
10601	July	21	Anos Herbert Hobson	Improvements in the production of non-alcoholic ale or beer
10486	July	28	William Everts Richards	Supports for the shelves of book-cases and the like
10520	July	28	Justin Carr	An improved reversible cesspan lid
10539	July	28	Sidney Simpson	An improved mode of and apparatus for adjusting the position of seats in two-wheeled vehicles
10564	July	28	William Nelson Blakeman, jun.	A new and useful process of thickening oils while preserving their colour and drying qualities unimpaired
10578	July	28	James William Fawcett	Improved means for regulating the rays of light passing through photographic lenses
10580	July	28	Frederick Glass	Improvements in hydraulic lifts and cranes
10605	July	28	Herbert Young Dickinson and Andrew Gilligan Macculloch	Improvements in coin-actuated automatic mechanism for the delivery and storage of solidified ices
10614	July	28	Charles James Polain	An improved roofing and screw nail
10434	July	28	John Edward Buchan	An improved combined purse and safety pocket
10643	July	28	Robert Alexander Sloan and John Edward Lloyd Barnes	Improvements in apparatus for sealing cans or other containing vessels
10653	July	28	Arthur Otto Sachse	Improvements in cigarette machines

## COMPLETE SPECIFICATION REFUSED.

No.	Date Refused.		Name.	Title.
	1893.			
8564	July	26	John McKellar, George Edward Stevens, and George Alexander	Granolithic paving

## LETTERS PATENT SEALED.

No.	Date of Sealing.		Name.	Title.
	1893.			
9623	July	4	Martin Rose Ruble	Improvements in centrifugal blowers and injectors
10269	July	4	Johann Wilhelm Ludwig Rohde	New or improved means for securing detachable ornaments in articles of jewellery
10287	July	4	Edmund Taylor	Improved apparatus for supplying a current of cold dry air to refrigerating chambers
10373	July	4	Massey Harris Company	Improvements in cultivators
10380	July	4	William Stronach Lockhart	An improved process and apparatus used therein for the washing and separating of gems or other substances from the earthy and other mineral matters containing them
10389	July	4	Carl Boeck	Improvements in stump-jumping implements
10391	July	4	James Robinson	Improvements in shares for scarifiers and cultivators
10450	July	4	Edward Waters	Improvements in electrical apparatus or means for exhibiting optical illusions
9776	July	10	Samuel Fitzpatrick	An improved toe-tip for boots and shoes
10026	July	10	Frederick John Corbett	Improved wire netting and method of manufacturing same
10379	July	10	Theodor Puskas	Telephonic news-distributing system
10388	July	10	Carl Friedrich Wilhelm Sussbier	An improved agricultural roller
9555	July	14	George John Altham	A new or improved apparatus for obtaining and utilizing motive power from fluids
9830	July	18	James Seymour Phillip Statley	An improved composition paint
10202	July	18	William Silver, Nathan Cohen, and Benjamin Francis Marks	Improvements in tension mechanism in machines for shearing and clipping wool and cutting hair
10401	July	18	Robert Ferguson	An improved socket for plugs and method of fitting same to receptacles
10412	July	18	Bernard Charles Molloy	Improvements in dissolving gold and other metals out of ores and compounds and obtaining the metals from the solution
10421	July	18	Gerolt Gibson	Improvements in window-sash locks
10481	July	18	Thomas Baker	An improved press or cramp for holding cards and other articles while their edges are being bevelled
10483	July	18	Edward Waters	Improvements in packing vessels
10496	July	18	Ernest Hosking	A new method of treating metallic foil in order to prepare it for printing purposes
10501	July	18	John Joseph Hartnett	Improved apparatus for the inhalation of compressed, dry, or medicated air
9819	July	25	James Garton Bower	Improvements in machinery for wire netting
9858	July	25	Thomas Roberts	An improved shaft coupling for vehicles
10239	July	25	Edward Hesketh and Alexander Marcet	Improved apparatus for producing cold
10243	July	25	Daniel Best	Improvements in gas engines and motors propelled thereby
10283	July	25	Alexander Mackie	A rust protector and heat retainer for tuyeres
10512	July	25	John MacLellan	An improved removable basket grate for colonial cooking ranges

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## PATENTS ON WHICH RENEWAL FEES HAVE BEEN PAID.

No.	Renewal Fee.	Name.
4615	3rd term	Thomas Theophilus Draper
4632	"	William Brazenor and Samuel George Valentine
4658	"	Maximilian Ziegler
4660	"	Alfred Savill Tomkins
4770	"	Alexander William Gillman and Samuel Spencer
5335	"	John Napier
7544	2nd term	M. T. Chapman
7762	"	Donald Noble
7820	"	Bedlington Bodycomb
7872	"	Joseph James Swithin List
7873	"	Edward Josiah Tobin and Thomas Davidson
7883	"	Samuel Lowe and Richard Pickup Park
7888	"	Samuel Clements
7903	"	William John Everall
7906	"	William Kendall
7910	"	John Augustus Bagshaw and Thomas Henry Bagshaw (J. S. Bagshaw and Sons)
7915	"	Leon Rieser
7916	"	Leon Rieser
7921	"	Joseph Gassies and Francis Denny
7934	"	Hugh Thomas Smith
7936	"	Henry Noyes
7967	"	Robert Ashton Lister
7986	"	Sir William Thomson
7990	"	Edward Waters
7999	"	Frank Villiers-Stead and Edward Radford Hodgman
8023	"	John Edward Rickards
8039	"	Richard Hornsby and Sons Limited
8081	"	The Mechanical Spirit Maturing Syndicate Limited
8122	"	Charles Bugon
8131	"	Charles Joseph Van Depoele

## 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.
4609	Willis Gorman Dodd	Improvements in concentrating machines	3rd term
4616	George Seymour	Improvements in the manufacture of hay and straw presses	"
4617	The Electric Locomotive and Power Company	Improvements in electrical accumulators or storage batteries	"
4620	William Orr	Improvements in metal fencing, parts of which improvements being also applicable to other purposes	"
4625	John Arthur	An improved machine for dressing timber or metal to a cylindrical or ornamental form	"
4629	George Hopkin Wells	An improved lock nut for railway purposes or otherwise	"
4633	Richard Bell	Improvements in the manufacture of wax matches and pipe and cigar lighters	"
4636	George Greig	Improvements in and relating to apparatus for ventilating and drying	2nd term
7855	William Francis Dugins	Improvements in apparatus for operating blind rollers	"
7856	Richard Muir and William Groth	Improvements in horseshoes and adjustable appliances therefor	"
7859	Edward Waters	An improved machine for re-blackening cloth or other material	"
7860	Henry Jeremiah Smith	An improved apparatus for milking cows	"
7867	Edward Planta Nesbit	An improved sanitary appliance	"
7867	Edward William Cracknell	An improved furnace for the incineration and destruction of house garbage, town refuse, and such like noxious matters	"
7869	John Matthews	Improved fixed washers to screws, threaded bolts, &c.	"
7871	William Blanch, Arthur J. Arnot, and Frank Baker	Improvements in rock drills, coal diggers, or earth cutters	"
7878	William Wallace Moorhead	Hanging up hat and holding programme in theatres or places of entertainment in general, or in churches	"
7879	William Ferguson	Improvements in washing machines	"
7880	Salo Woohle	Process for effecting electrolytic deposit of aluminium	"
7886	Donald Barns Morison	Improvements in apparatus for evaporating liquids	"
7887	John Perkins Jackson	Improvements in machinery and appliances for or connected with the manufacture and dispensing of aerated water	"
7890	George Bain	An improved construction of bracket to be used in the supporting and tightening of woven or spring wire mattresses upon bedsteads	"
7895	James Liddell	Improved concentrating machine	"
7898	Manfield Newton	An improved cleansing compound for scouring and bleaching wool and other fibres and fabrics and for general purposes	"
7899	William Ashton Graham	An improved powder for the cure of foot-rot and other similar diseases of sheep and cattle, and mode of manufacturing the same	"
7902	Alfred Henry Collier	Improvements in telephones	"
7905	Jabez Stephen Packer	An improved potato-raising implement	"
7907	James Noah Paxman and William Paxman	Improvements in and relating to crushing mills	"
7908	Thomas Meacock and George Deakin	Improvements in hydraulic lifting jacks	"
7909	John Gamgee	Improvements in steam boilers	"
7911	Allan Murray Ayles	A new or improved lever-fastening for corsets	"
7912	Robert Allan	An improved method of and apparatus for raising sunken vessels and to prevent vessels from foundering	"
7913	James Barker Robbie	An improved washing machine	"
7917	John Cope Butterfield	Improvements in or relating to mining or explosive cartridges	"
7919	Benjamin Hawkins Dods	Improvements in rotary pumps for lifting, forcing, or propelling water or other fluids	"
7924	William George Latimer	Improvements in cash registers and indicators	"
7925	James Taylor	Improvements in gentlemen's riding saddles	"
7926	Maximilian Hector	A horse tamer, to be called "The horse tamer"	"
7929	Alexander Cleland	Improvements in rotary motive power engines	"
7931	Henry Rowley	An improved combined apparatus for pulverizing and amalgamating	"
7939	Noels Peder Willman	An improved maize planter	"
7940	Henry Hudson	A reversible share for a multi-furrow plough	"
7944	John Sketchley Morton	Improvements in the mode of and means for propelling vessels	"
7945	Manfield Newton	Improvements in type-writing machines	"
7946	Stephen Wells Wood	Improvements in apparatus for refrigerating and making ice	"
7947	Manfield Newton	Improvements in rock drills	"

## APPLICATIONS ABANDONED.

No.	Date of Abandonment.	Name.	Title.
1893.			
9922	June 3	Charles Tovey ... ..	Improvements in churns for producing butter
9931	June 6	Edward Humphrey Martin ... ..	An improved aerated water bottle
9936	June 7	Herbert Commins Ray ... ..	An improved potato digger
9937	June 8	Charles Maxwell Miller ... ..	Cooling milk cans
9938	June 8	Charles Maxwell Miller ... ..	An improvement on churns
9942	June 9	John Knowlson ... ..	An improved apparatus for heating water by kerosene or other liquid fuel
9943	June 10	Benjamin Powell ... ..	An improved composition to be used as a substitute for goods manufactured of earthenware, potteryware, and such like compositions
9944	June 11	George Whitwell Chalmers ... ..	Improvements in floats for automatically opening valves or cocks
9950	June 13	John Jones ... ..	The manufacture of chlorine and hydrochloric acid from any saline solution by the aid of electricity
9952	June 13	Hatsell King ... ..	Properly securing and fastening down cricket matting pitches
9953	June 13	Herman Mandelstam ... ..	An improved ink eraser
9954	June 14	Charles Frederick Wallis... ..	The cure of smoky chimneys and facility in cooking
9955	June 14	Max Hirschfeldt... ..	An improved self-opening hinge
9956	June 14	Henry August Nelson ... ..	Improvements in winnowing machines
9957	June 14	Ernest Crofton Sadlier and Edwin John Dark	Carrying earth or water
9958	June 15	Julia Holt ... ..	An improved method of packing
9961	June 15	Hugh Gilbert Ross ... ..	Opening and closing fanlights or any other kind of sash or door hung on hinges or pivots
9966	June 16	Edward Waters ... ..	Improvements in apparatus for obtaining chlorine from chlorides by electrolysis
9967	June 17	Charles Grey ... ..	The better securing of railway fish-bolts and nuts
9968	June 17	Richard Bradbury ... ..	Improvements in earthenware pipes, and methods of joining together by flanges, composition washers, clips, bolts, and nuts
9970	June 20	Gertrude Whitelaw ... ..	The capturing and destruction of rabbits
9973	June 21	James Alston ... ..	A press for filling boxes with butter or similar substances
9974	June 21	Israel Martin ... ..	An improved machine for planting potatoes
9975	June 21	Arthur Henry Fishley and Charles Benjamin Wright	A novel quoit-board attachment
9976	June 21	Henry Cantor and William Hamilton Aitchison	An improved automatic coin-freed machine for vending boxes of matches and other articles
9980	June 23	Arthur Henry Fishley and Charles Benjamin Wright	An improved combined envelope and letter-sheet
9981	June 23	Fitzgerald Snowball ... ..	A permanent cover for books or other articles requiring to be sent to and from the same persons through post or otherwise, with the names and addresses of each person so affixed that by variation in the folding only the name and address of the person to whom the enclosure is intended is exhibited
9985	June 24	James William Henderson ... ..	Improvements in and connected with apparatus for transferring cash
9987	June 24	Richard Edmund Shill ... ..	Improvements in or connected with crushing or grinding mills, more especially intended for grinding or reducing ores containing precious metals, and for separating metals therefrom by amalgamation
9991	June 25	William John Martin ... ..	An improved share and method of attaching the same to the foot of scarifiers, ploughs, and like implements
9992	June 25	John Duffy ... ..	An improved fence-post boring machine
9994	June 27	David Samuel Chambers ... ..	An improved marine toboggan slide and canoe
9999	June 29	Arthur Dean ... ..	An improved automatic high-pressure flushing tap for water-closets
10001	June 29	William Shaw Ingle and Oldrain Jolly	A new or improved disinfectant mounted on ornamental fans
10002	June 29	William Hitch Purser and Walter Morrison	An improved method of connecting the removable part of adjustable heels of boots and shoes to the stationary or permanent part
10003	June 29	Malcolm McLean ... ..	An improved holder to support the transmitter and receiver of a telephone upon the head of the operator
10004	June 29	Malcolm McLean ... ..	An improved impression date-stamp for postal and other purposes
10006	June 30	Thomas Arthur Humphreys ... ..	Improvements in harness tug-loops

## APPLICATIONS LAPSED.

(The Letters Patent not sealed within the prescribed time.)

No.	Date upon which Application Lapsed.	Name.	Title.
9501	6th July, 1893 ...	Berry Christian ... ..	An improved aerated water bottle opener for attachment to counters and the like
9523	17th July, 1893 ...	Robert Malachy Serjeant ... ..	An improved potato digger

## ASSIGNMENTS REGISTERED.

No.	Title.	Date of Registration.	Name of Assignee.	Whole or Part.
6751	Improvements in and relating to apparatus for carburetting gas	26th July, 1893 ...	The Gas Lighting Improvement Company Limited	Whole
8002	An improved device for indicating, separating, and quickly obtaining change from a till or money drawer	19th July, 1893 ...	Frank Septimus Devontaux Scott	Part
8002	An improved device for indicating, separating, and quickly obtaining change from a till or money drawer	26th July, 1893 ...	Charles Wagstaff ...	Part
9847	An improved boot for foot wear ... ..	26th July, 1893 ...	Richard McGan and Frederick Washington Fowler (McGan and Fowler)	Whole
10067	Improvements in rotary fluid-pressure engines, applicable also to pumps	22nd July, 1893 ...	The Rotary Engine Syndicate Limited	Whole

August 17, 1893.

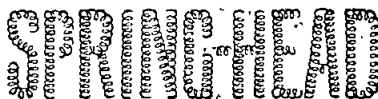
3560

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



CLASS 13.

**3535.** Nails. Robert Edward Evenden, of Heaton Farm, North Coburg, Victoria, inventor. 10th July, 1893. (As a distinctive device.)



*The essential particulars of the Trade Mark are the following:—The word "Spring-head," composed of spring-shaped letters; and applicant disclaims any right to the exclusive use of the added matter.*

CLASS 13.

**3536.** Nails. Robert Edward Evenden, of Heaton Farm, North Coburg, Victoria, inventor. 10th July, 1893. (As a distinctive brand and mark.)



CLASS 20.

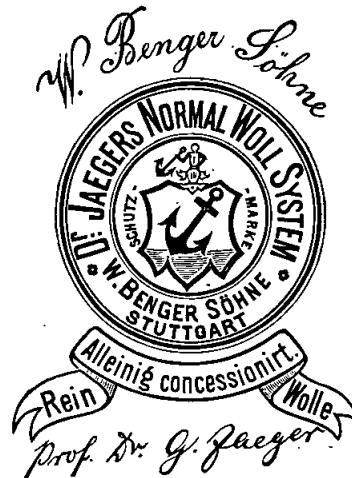
**3538.** Cartridges. Daniel John Chandler and William Harvey Chandler, of No. 247 Brunswick-street, Fitzroy, Victoria, ironmongers. 12th July, 1893. (As a distinctive brand.)

EXCELSIOR.

CLASS 20.

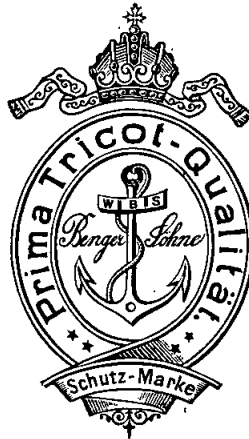
**3539.** Cartridges. Daniel John Chandler and William Harvey Chandler, of No. 247 Brunswick-street, Fitzroy, Victoria, ironmongers. 12th July, 1893. (As a word having no reference to the character or quality of the goods, and not being a geographical name.)





## CLASS 38.

**3529.** Hosiery, Underclothing, and other Ready-made Clothing, Caps, Gloves, Boots and Shoes, Neckties, Trimmings, and Braces. Wilhelm Benger and Gottlieb Benger, trading as "W. Benger Söhne," of Stuttgart, Wurtemberg, Germany, manufacturers. 1st July, 1893. (As a distinctive label.)



## CLASS 38.

**3530.** Hosiery, Underclothing, and other Ready-made Clothing, Caps, Gloves, Boots and Shoes, Neckties, Trimmings, and Braces. Wilhelm Benger and Gottlieb Benger, trading as "W. Benger Söhne," of Stuttgart, Wurtemberg, Germany, manufacturers. 1st July, 1893. (As a distinctive label.)

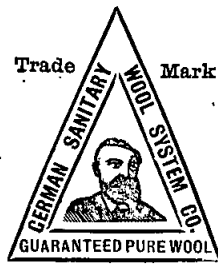
## MARIE.

## CLASS 38.

**3540.** Gloves. Marie Gabrielle Francoz, widow Poulat, trading as "Francoz Fils," of No. 22 Rue de Créqui, in the city of Grenoble, France, glove manufacturer. 13th July, 1893. (As a word having no reference to the character or quality of the goods, and not being a geographical name.)

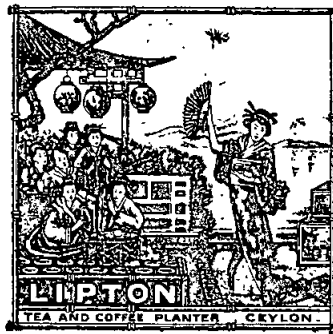
August 17, 1893.

3562



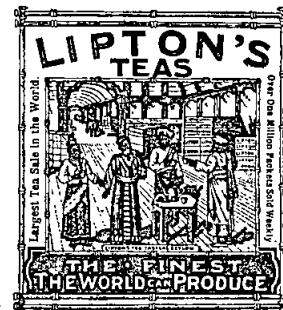
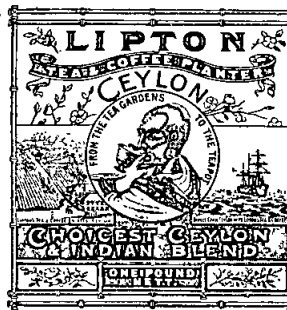
CLASS 38.

3544. Wearing Apparel and Boots and Shoes. George Schutze, of 7 Royal Arcade, Melbourne, Victoria, clothier. 18th July, 1893. (As a distinctive brand.)



CLASS 42.

3475. Tea. Thomas Johnstone Lipton, of 14 and 15 Bath-street, City-road, London, England; Upper Chatham-street, Colombo; and 5 Lyons Range, Calcutta, India, provision, tea, and coffee merchant. 29th April, 1893. (As a distinctive label.)



CLASS 42.

3476. Tea. Thomas Johnstone Lipton, of 14 and 15 Bath-street, City-road, London, England; Upper Chatham-street, Colombo; and 5 Lyons Range, Calcutta, India, provision, tea, and coffee merchant. 29th April, 1893. (As a distinctive label.)



*The essential particulars of the Trade Mark are the following:—The representation of a pine apple within border lines, and above the pine apple the words "Pine Apple Brand," and applicants disclaim any right to the exclusive use of the added matter.*

**CLASS 42.**

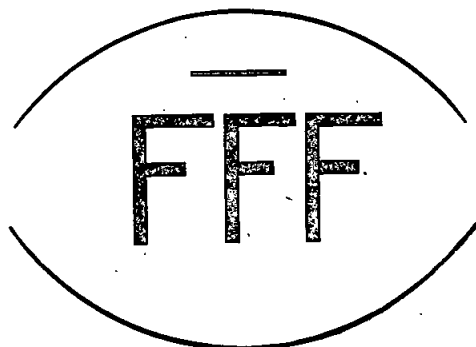
**3501.** Ham, Bacon, and Cheese. William Hutton and Sarah Ann Hutton, of Flinders-lane, Melbourne, Victoria, executors of the late James Carruthers Hutton, trading as "J. C. Hutton." 31st May, 1893. (As a distinctive brand and label.)



*The essential particulars of the Trade Mark are the following:—The device of an Emu with two smaller Emus underneath it and the word "MacRobertson's," and applicants disclaim any right to the exclusive use of the added matter.*

**CLASS 42.**

**3525.** Cocoa and Chocolate. Macpherson David Robertson, of Argyle-street, Fitzroy, manufacturer. 26th June, 1893. (As a distinctive label.)



**CLASS 42.**

**3537.** Cheese. The Fresh Food and Frozen Storage Co. Limited, of 628 Bourke-street, Melbourne, Victoria. 12th July, 1893. (As a distinctive brand.)

August 17, 1893.

3564



CLASS 42.

3543. Butter and Cheese. David Mitchell, of Burnley-street, Richmond, Victoria, contractor. 15th July, 1893. (As a distinctive label and brand.)

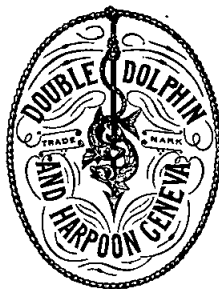
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CLUBHOUSE  
BRAND

CLASS 42.

3547. Hams and Bacon. J. Bartram and Son, of 18 Queen-street, Melbourne, Victoria, produce merchants. 26th July, 1893. (As words having no reference to the character or quality of the goods, and not being a geographical name.)

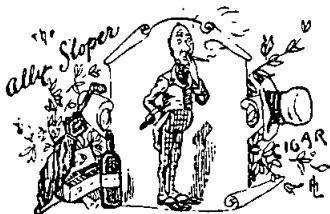
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CLASS 43.

3533. Gin or Geneva. Adolph Alen Joske and Dudley Best, trading as "Adolph Joske, Best, and Co.," of 291 and 293 Little Collins-street, Melbourne, Victoria, wine and spirit merchants. 7th July, 1893. (As a distinctive label.)

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CLASS 45.

8531. Cigars. Henry Lewis, of 169 Brunswick-street, Fitzroy, Victoria, hairdresser and tobacconist. 3rd July, 1893. (As a distinctive label.)

## CAVOUR.

## CLASS 45.

**3534.** Tobacco, whether Manufactured or Unmanufactured. J. Frossard and Co., of Payerne, Switzerland, and 7 Spring-street, Sydney, New South Wales, cigar manufacturers. 7th July, 1893. (As a word having no reference to the character or quality of the goods, and not being a geographical name.)

## LA ERICA.

## CLASS 45.

**3542.** Tobacco, manufactured. Blashki Brothers, of 209 Bourke-street, Melbourne, Victoria, cigar manufacturers. 14th July, 1893. (As words having no reference to the character or quality of the goods, and not being a geographical name.)



## CLASS 47.

**3546.** Soap. The Ricketson Wool Washing Soap Company Limited, of Macaulay-road, North Melbourne, Victoria. 24th July, 1893. (As a distinctive label.)



## CLASS 50.

**3528.** Furniture Cream Plate Polishing Powder and Stove Polish. Anderson and Co., of 595 Elizabeth-street, Melbourne, Victoria, manufacturers. 30th June, 1893. (As a distinctive label.)

## SUN.

## CLASS 50.

**3541.** Stove Polish, either in the form of Powder, Paste, or Liquid. Elijah Adams Morse, trading as "Morse Bros.," of Canton, Massachusetts, United States of America, manufacturer. 13th July, 1893. (As a word having no reference to the character or quality of the goods, and not being a geographical name.)

August 17, 1893.

3566

# TRADE MARKS REGISTERED.

No.	Name.	Class.	Gazetted.
3375	Cohen and Co. ....	45	27.1.93
3376	Cohen and Co. ....	45	27.1.93
3396	Philip Henry Welch ....	42	3.2.93
3486	Elizabeth Catherine Smyth ....	50	2.6.93
3489	Jolly and Son Limited....	3	9.6.93
3491	Charles Ernest Steedman ....	3	9.6.93
3492	Joseph Lyddy ....	50	26.5.93
3494	Joseph Lyddy ....	50	26.5.93
3495	Arthur Hewitt Shaw (A. H. Shaw and Co.) ....	42	2.6.93
3496	Arthur Hewitt Shaw (A. H. Shaw and Co.) ....	50	2.6.93
3497	Arthur Hewitt Shaw (A. H. Shaw and Co.) ....	3	2.6.93
3498	Arthur Hewitt Shaw (A. H. Shaw and Co.) ....	2	2.6.93
3499	Arthur Hewitt Shaw (A. H. Shaw and Co.) ....	47	2.6.93
3502	Sidney Reginald Innes-Noad and Oswald May Malcolm (Innes-Noad and Malcolm) ....	42	9.6.93
3506	Charles Watson and George Watson (Joseph Watson and Sons) ....	47	9.6.93
3508	Foy and Gibson ....	15	16.6.93
3509	Jacobs, Hart, and Company ....	45	16.6.93
3510	Frederick Klaerr (Galliers and Klaerr) ....	18	23.6.93
3521	J. Kitchen and Sons and Apollo Company Limited ....	47	23.6.93
3522	J. Kitchen and Sons and Apollo Company Limited ....	48	23.6.93
3523	J. Kitchen and Sons and Apollo Company Limited ....	47	23.6.93
3524	J. Kitchen and Sons and Apollo Company Limited ....	48	23.6.93

# TRADE MARKS RENEWED.

No.	Renewal Fee.	Name of Proprietor.	Class.
24	Fourteenth year ...	Alfred Felton, Frederick Sheppard Grimwade, and Joseph Longstaff (Felton, Grimwade, and Company) ...	3
25	" ...	Alfred Felton, Frederick Sheppard Grimwade, and Joseph Longstaff (Felton, Grimwade, and Company) ...	42
26	" ...	Alfred Felton, Frederick Sheppard Grimwade, and Joseph Longstaff (Felton, Grimwade, and Company) ...	3
252	" ...	George Smeaton Rodger (Slater, Rodger, and Company) ...	43

# APPLICATIONS ABANDONED.

No.	Date of Application.	Name.	Gazetted.
3355	1892. December 3	Sawyer and Heather ...	9.12.92
3367	December 14	McCulloch, Gray, and Co. ...	16.12.92

# APPLICATIONS REFUSED.

No.	Name.	Gazetted.
3160	The Richmond Cavendish Company Limited ...	—
3161	The Richmond Cavendish Company Limited ...	—
3162	The Richmond Cavendish Company Limited ...	—
3373	Frederick Elias Silva ...	—
3379	Walter Smith ...	—

# APPLICATION OPPOSED.

No.	Name.	By whom Opposed.	Class.	Gazetted.
3525	Macpherson David Robertson ...	Matthew Mitchell ...	42	7.7.93

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