



SECOND SUPPLEMENT
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WEDNESDAY, FEBRUARY 18.

[1891.

OFFICIAL LIST OF PATENTS.

OFFICIAL List of Applications for Patents Lodged; Applications Accepted, Refused, Abandoned, and Opposed; Complete Specifications Accepted; and Letters Patent Sealed. From the 1st to the 31st days of January, 1891, in the Patents Office.

THOS. PROUT WEBB,
Commissioner of Patents.

APPLICATIONS FOR PATENTS.

- No. 8397. By Fred. Walsh, manager of Edward Waters' International Patent Office, 26 Elizabeth-street, Sydney. New South Wales, for and on behalf of "The Parke and Lacy Company," an incorporated company according to the laws of California, one of the United States of America, carrying on business at San Francisco, California, aforesaid, and Sydney aforesaid, dealer in machinery and supplies, for "Improvements in certain descriptions of ore concentrators." 2nd January.
- No. 8398. By Robert Davy Bowman, of No. 80 Lordship-lane, East Dulwich, in the county of Surrey, England, lighting engineer, for "Improved process and apparatus for the production of oxygen gas." 2nd January.
- No. 8399. By Robert Allan, of 106 Creswick-road, Ballarat, in the county of Grenville, in the colony of Victoria, engineer, for "A combined labour saving and safety automatic reversing gear." 3rd January.
- No. 8400. By Bedlington Bodycomb, of 477 Bourke-street, Melbourne, in the colony of Victoria, engineer and patent agent, for "Conduit for electric wires and cables, speaking tubes, and the like." 3rd January.
- No. 8401. By Montague Arthur Croft, of No. 6 Stanley-street, Richmond, near Melbourne, in the colony of Victoria, plumber, for "Improvements in spring backs for chairs, lazy backs, and other seats." 5th January.
- No. 8402. By Robert Standley, of Ranelagh-street, Adelaide, in the province of South Australia, machinist, for "Improvements in the construction of stump-jumping ploughs and other agricultural implements." 6th January.
- No. 8403. By Edward Samuel Oliver, of Cullensville, in the colony of New Zealand, hotelkeeper, for "An improved hand tool, principally applicable for opening packing cases and taking up and laying flooring boards." 6th January.
- No. 8404. By Marcus Stow Hill, of Sydney, in the colony of New South Wales, exporter, for "An improved pneumatic desiccating closet." 6th January.
- No. 8405. By Theodore Weld Sterling, of Union League Club, Fifth Avenue, in the city, county, and state of New York, United States of America, gentleman, for "Striking devices." 6th January.
- No. 8406. By Theodore Weld Sterling, of Union League Club, Fifth Avenue, in the city, county, and state of New York, United States of America, gentleman, for "Rock drilling machines." 6th January.
- No. 8407. By James Jackson, of Blackheath, *viz* Horsham, in the colony of Victoria, butcher, for "An improved stump-jumping plough." 7th January.
- No. 8408. By Samuel May, of Horsham, in the colony of Victoria, machinist, for "An improved rising beam and means of supporting it on stump-jump ploughs and cultivators." 7th January.
- No. 8409. By John Meekiff, of 86 Falconer-street, North Fitzroy, in the colony of Victoria, contractor, for "An improved construction of boat." 7th January.
- No. 8410. By James Simpson, of Egerton, in the colony of Victoria, engine smith, for "Improvements in potato diggers." 7th January.
- No. 8411. By Wm. E. H. Watkins, coachbuilder, of No. 9 Dryburgh-street, North Melbourne, in the colony of Victoria, for "An improved railway carriage door stop." 8th January.
- No. 8412. By Israel Martin, of Learmonth, in the colony of Victoria, farm labourer, for "An improved potato-planting device for attachment to ploughs." 8th January.
- No. 8413. By Victor Tobias and Heinrich Fischer, merchants, of Berlin, in the kingdom of Prussia and German Empire, for "Liquid and lasting soups, sauces, and majonnaises, &c." 12th January.

- No. 8414. By Alexander Stanley Elmore, of Spring Grove, Hunslett, Leeds, in the county of York, England, electro-metallurgist, for "Improvements in the process and apparatus for manufacturing copper tubes, sheets, strips, and wires, by electrolysis." 12th January.
- No. 8415. By Edmund Rich Gabbett, of Old Charlton, in the county of Kent, England, civil engineer, for "Improvements in apparatus for mixing, incorporating, or effecting the circulation of liquids and semi-liquids in vessels, also applicable to the treatment of ores." 12th January.
- No. 8416. By Henry Breton, of Wentworth, in the colony of New South Wales, doctor of medicine, for "An improved process of marking and identifying the machines or combs used in shearing sheds." 12th January.
- No. 8417. By William Henry James Rasell, of No. 6 Argyle-terrace, Argyle-street, St. Kilda, in the colony of Victoria, machinist, for "Emptying night-pans in close chamber and preventing evaporation of noxious gases, and cleansing and returning pans with coverings." 12th January.
- No. 8418. By Robert Alfred Fraser, of 21 Moor-street, Fitzroy, in the colony of Victoria, clerk, for "A new or improved combined bell punch, fare register, and recorder for omnibuses and tram cars." 12th January.
- No. 8419. By Samuel Purdy, of Raymond-street, Sale, in the colony of Victoria, labourer, for "An improved potato digger and screener." 12th January.
- No. 8420. By Charles Dawe, of No. 1 Clifton-street, in the city of Richmond, in the colony of Victoria, upholsterer for "An improved method of extracting the juice and pulps of lemons in combination with a bottle push for opening aerated water or other bottles." 12th January.
- No. 8421. By Robert James Fermor Willson, marine engineer, of Rafel-street, Collingwood, in the colony of Victoria, for "An improved water filter for placing on ordinary water taps." 13th January.
- No. 8422. By Richard Boyd Eohlin, of No. 127 Queen-street, Brisbane, in the colony of Queensland, sharebroker; and Horace John Page, of Kelvin Grove-road, Brisbane, in the said colony, clerk, for "An improved machine for issuing tickets, receipt checks, &c., and for recording the number issued." 14th January.
- No. 8423. By Edward Waters, of No. 131 William-street, Melbourne, in the colony of Victoria, patent agent, for "An improvement in galvanic batteries." 14th January.
- No. 8424. By Albert Eugene Burley, of Sargood-street, Coburg, Melbourne, tent maker, for "Making solid end cigarettes." 14th January.
- No. 8425. By McHenry England, of No. 1 Queen-street, Melbourne, in the colony of Victoria, tea taster, for "An improvement in kettles and other utensils in which liquids are boiled." 15th January.
- No. 8426. By David Watts, of 38 Union-street, Windsor, in the county of Bourke, commission agent, for "A motive power." 16th January.
- No. 8427. By Robert Edward Eveaden, of St. Kilda, in the colony of Victoria, nail manufacturer, for "An improved centrifugal churn." 16th January.
- No. 8428. By Anketell Matthew Henderson, of 352 Collins-street, Melbourne, in the colony of Victoria, architect, for "An improved construction of building for minimizing the danger of fires." 16th January.
- No. 8429. By William Priessnitz Bonwick, of 59 Blomfield-road, Paddington, in the county of Middlesex, England, tutor, for "Improvements relating to bottles and in the means for closing and opening them." 16th January.
- No. 8430. By John Leslie Cloudsley, of Smith Square Works, Westminster, England, gas apparatus manufacturer, for "Improvements in gas meter indices whereby the quantity and corresponding value of gas consumed is shown and the reading simplified." 16th January.
- No. 8431. By Arthur Helwig, of 131 Leighton-road, Kentish Town, in the county of London, England, engineer, for "Improvements in button-hole sewing machines." 16th January.
- No. 8432. By Levi Myron Shaw, of the town of Gypsum, in the county of Saline and state of Kansas, one of the United States of America, merchant, for "Improvements in piston engines." 16th January.
- No. 8433. By Herbert Akroyd Stewart, of Bletchley, England, mechanical engineer; and Charles Richard Binney, of London, England, consulting engineer, for "Improvements in engines operated by the explosion of mixtures of combustible vapours or gas and air." 16th January.
- No. 8434. By Howard Matravers Ashley, of Ferrybridge, in the county of York, England, engineer, for "Improvements in apparatus for the manufacture of glass bottles and similar hollow glass articles." 16th January.
- No. 8435. By Thomas Brining, of 27 St. Paul's-street, Leeds, in the county of York, boot and shoe engineer, for "Improvements in or appertaining to machinery or apparatus for lasting boots and shoes." 16th January.
- No. 8436. By Robert Booty Cousens, of Melbourne, in the county of Bourke, civil engineer, for "Raising liquids or mixed liquids and solid matter by means of a spiral centrifugal pump." 16th January.
- No. 8437. By John Robert Topliss, of 215 Collins-street, Melbourne, in the colony of Victoria, journalist, for "Type distributing machine." 17th January.
- No. 8438. By Joshua Alexander Kay, consulting mechanic, and John Robert Topliss, journalist, both of 215 Collins-street, Melbourne, in the colony of Victoria, for "Type grooving or nicking machine." 17th January.
- No. 8439. By Charles O'Connor, of Breakwater, near Geelong, in the colony of Victoria, tanner, for "An improved elevator and fire escape." 17th January.
- No. 8440. By Frank Arthur Harris, of South Preston, near Melbourne, in the colony of Victoria, potter; William Machar, of Collingwood, near Melbourne aforesaid, engineer; and William George Sandys, of South Preston aforesaid, engineer, for "An improvement in the manufacture of earthenware drain pipes and linings for sewers." 17th January.
- No. 8441. By Frank Miller Brown, of Sandhurst, in the colony of Victoria, ironfounder, for "Improved means for fixing glass in railway carriage and other windows." 17th January.
- No. 8442. By L. Stevenson and Sons Limited, of 233 to 267 Flinders-lane, Melbourne, in the colony of Victoria, warehousemen, for "An improved lining for hats." 17th January.
- No. 8443. By Samuel Cupples, of St. Louis, Missouri, United States of America, for "Improvements in envelopes and in the method and means of making the same." 19th January.
- No. 8444. By Walter Thomas Lewis, of 9 Albert-street, Llanelly, South Wales, engineer on the steam-ship *Culgoa*, at present in Port Adelaide, for "An improved furnace for the better combustion of fuel." 19th January.
- No. 8445. By Jose Baxeres Alxugaray, of 123 Rua de Don Pedro, Oporto, in the kingdom of Portugal, engineer, for "Improvements in extracting metals from ores and metalliferous materials, and in furnaces or apparatus therefor." 19th January.
- No. 8446. By David Edwards, of Elizabeth-street, Melbourne, in the colony of Victoria, engineer, for "Improvements in the rising beam of jump ploughs and cultivators." 19th January.
- No. 8447. By Solomon Cox, of Bendigo-street, Richmond, in the colony of Victoria, horse dealer, for "A new compound for blistering and curing sprains, swellings, mange, and other skin and foot diseases in horses, bullocks, dogs, sheep, and other animals." 20th January.
- No. 8448. By William Maxwell Wood, of Boston, Massachusetts, lieutenant, U. S. Navy, for "Improvements in pneumatic tool." 20th January.
- No. 8449. By Hermann Lemp, of Lynn, Massachusetts, United States of America, electrical engineer, for "Improvements in electric welding apparatus." 20th January.
- No. 8450. By James Cunningham, of Ford-street, Beechworth, in the colony of Victoria, ironmonger, for "An improved safety cock for water and steam pipes." 20th January.
- No. 8451. By Kenneth Skinner, of No. 52 Rochester-terrace, St. Vincent-place, Albert Park, near Melbourne, in the colony of Victoria, gentleman, for "Improvements in or relating to the frames of wire blinds." 21st January.
- No. 8452. By Eva Jennie Hall, wife of Hugh Hall, residing at 1010 Sixth Avenue, South Stillwater, in the county of Washington, and state of Minnesota, one of the United States of America, for "Improvements in and relating to needles for use in sewing machines." 21st January.
- No. 8453. By Herbert Hayes Norman, of Adelaide, in the province of South Australia, dental surgeon, for "Improvements in apparatus for generating illuminating gas and gaseous fuel, and for burning the latter." 21st January.

No. 8454. By Clarence Verner Greenmayer, of the city and county of San Francisco, state of California, United States of America, for "Improvements in the construction of pipe-tongs, wrenches, and similar tools." 21st January.

No. 8455. By Henry Jeremiah Smith, of 55 Bell-street, Fitzroy, near Melbourne, in the colony of Victoria, engineer; and Hubert Willy Christian Henrieks, lately of Maryborough, in the colony of Queensland, temporarily residing at Melbourne aforesaid, dairyman, for "An improved apparatus for milking cows." 21st January.

No. 8456. By George Higgins, of Auckland, in the colony of New Zealand, boot and shoe manufacturer, for "Improvements relating to the attachment of the uppers to the soles of boots and shoes, for the purpose of making them waterproof." 21st January.

No. 8457. By John Albert Victor Dunning, seaman, care of Arthur Otto Sachse, C.E., patent agent, corner of Collins and William streets, Melbourne, for "An improved gravity motor." 22nd January.

No. 8458. By George Smerdon, of Brunswick, in the colony of Victoria, joiner, for "A clothes-washing appliance to be used with a wash board." 22nd January.

No. 8459. By Charles Edward Storie, of Carlton, in the county of Bourke, and colony of Victoria, mechanic; for "An improved wire-straining apparatus." 22nd January.

No. 8460. By Thomas Ardern, of Melbourne, in the county of Bourke, camera maker, for "Obtaining photographic pictures by means of an improved field-glass camera." 22nd January.

No. 8461. By Thomas Andrews, of the Arcade Club Hotel, Chapel-street, Prahran, near Melbourne, in the colony of Victoria, importer, for "Improved means for locking nuts on bolts." 22nd January.

No. 8462. By Henry Strype Anthony, of Pirie-street, Adelaide, in the province of South Australia, brewer, for "An improved detachable joint for tubes, hollow fire-bars, or other conduits for conveying fluids or gases." 24th January.

No. 8463. By Eli Howarth, of No. 342 Melbourne-road, Newport, near Melbourne, in the colony of Victoria, pattern maker, for "An improved automatic coupling for railway and other rolling-stock." 27th January.

No. 8464. By Charles Edgar Chapman, of Waymouth-street, Adelaide, in the province of South Australia, agent, for "Improvements in the extraction of gold and other metals from solutions in which they are contained." 27th January.

No. 8465. By John Henry Marshall, of No. 14 Talbot-street, Ballarat, in the colony of Victoria, carpenter; and Thomas Edmunds, of No. 113 Humffray-street south, Ballarat East, in the said colony, contractor, for "An improved clothes-washing machine." 27th January.

No. 8466. By William Hugh Callister, of Cope Cope, Victoria, for "Extinguishing fires in buildings by rendering the buildings air-tight." 28th January.

No. 8467. By Frederick George O'Bree, machinist, and James Wildern Buckingham, farmer, both of Nhill, in the colony of Victoria, for "Improvements in ploughs and cultivators to facilitate their passing obstructions." 28th January.

No. 8468. By Felix Ernest Furphy, of Shepparton, in the colony of Victoria, for "Holding doors at any desired angle." 28th January.

No. 8469. By Hermann Gruson, in Magdeburg-Buckan, Germany, engineer, for "An improved amalgamator." 28th January.

No. 8470. By John Gillett, of 217 Little Collins-street, Melbourne, in the colony of Victoria, sign writer, for "An improved automatic lock or stop brake for road vehicles." 29th January.

No. 8471. By William Crookes, F.R.S., &c., of 7 Kensington Park Gardens, London, England, electrician, for "Improvements in amalgamating and extracting gold from refractory and other ores." 29th January.

No. 8472. By Cornelius Bennett Harness, of London, England, medical electrician, for "Improvements relating to the treatment of patients preparatory to and during surgical and dental operations, and to apparatus therefor." 29th January.

No. 8473. By Henry Ambrose Snelling, of St. George's House, 6 and 8 Eastcheap, in the city of London, and kingdom of Great Britain, wholesale tea dealer, for "A new or improved method of treating and preparing hops and blending the same for infusion together with tea, coffee, cocoa, and other substances for which such prepared hops are applicable." 29th January.

No. 8474. By Thomas Headon, of High-street, Prahran, in the colony of Victoria, builder, for "An improvement in earth closets." 31st January.

APPLICATIONS ABANDONED AND OPPOSED.

None during January.

APPLICATIONS REFUSED.

Date of refusal, 28th January, 1891.

No. 8297. By Illius Augustus Timmis, for "Improvements in the arrangements for supporting the bodies of railway vehicles."

COMPLETE SPECIFICATIONS ACCEPTED.

No.	Date of Publication.	Name.	Title.
1891.			
7589	January 2	Francis John Boucher	Improved means for operating railway semaphore and other signals
7862	January 2	Joseph L. Wright	An improved bagging attachment for chaff-cutters
8146	January 2	Charles Everts Seymour	Ore concentrators
8289	January 2	Robert Ashton Lister	Improvements in centrifugal pumps for milk and other fluids
8290	January 2	Thomas Ralph Douse	Electric fire indicator and suppressor
8293	January 2	James Walters	Improvements in revoluble and other seats for buggies and other vehicles
8301	January 2	Samuel Warsham	An improved wall ventilator
8310	January 2	Thomas Field, Thomas Andrew Hemming Field, and Henry Montague Field, trading under the style or firm of "Wilkins & Field"	A new or improved syringe or pump, more especially applicable for spraying fruit trees
8313	January 2	William Errington	An improved hydrant and valves
8326	January 2	Charles Fairbairn	Improvements in apparatus for forging and finishing circular articles
7551	January 9	George Marshall and Charles Marshall	Improved means for securing lids or covers on cess-pans and other receptacles
7599	January 9	Charles William Watson	A new or improved automatic apparatus for locking and unlocking doors and analogous bodies of railway and other vehicles
8331	January 9	Edward Taber Covell	Pastening for horseshoes
8334	January 9	Samuel White, Edward William White, and William Morrison	An improved flower-pot
8294	January 16	William Frederick Jones	An improved pneumatic tracker action for operating the pallets and stops in organs
8072	January 30	Herbert Lindley and Thomas Browett	Improvements in liquid hydro-carbon motor engines
8302	January 30	Luther George Chinnery, Swartz Martyn Chinnery, George William Chinnery, Samuel Bostock, and Carlross Grant	Improvements in apparatus for the manufacture of aerated or gaseous liquids, and for filling or charging the same into bottles
8303	January 30	James Main Swinbourn	An improved ball valve for hydrants and fire-plugs
8365	January 30	Edward Waters	An improvement in the driving mechanism for harvester binders

APPLICATIONS ACCEPTED.

No.	Date of Acceptance.	Name.	Title.
	1891.		
8247	January 28	William David Wallis and John Parker	An improved apparatus for cutting down mallee shoots and other similar growth
8248	January 28	William David Wallis and John Parker	An improved method of cutting down mallee shoots and similar growth
8306	January 30	William Randal Prior and James Holliday	A new or improved contrivance through which sheep or other animals are passed to be counted automatically and consecutively such contrivance being adaptable to either fences or pens
8309	January 25	Joseph Carter Oakman	An improved exercising machine
8341	January 3	Herbert Leslie Manton	An electric apparatus for indicating tabulated public information
8346	January 28	Allan Jekyl Bolton	Adapting railway vehicles to run over lines of different gauges
8347	January 28	Duncan Cameron and Robert Cameron	An improved contrivance for protecting provision safes, &c., from the intrusion of ants, cockroaches, and such like
8349	January 30	William Roberts and Howard Raymond Belden	An improvement in revolving screen feeders for amalgamating machines
8351	January 30	Frederick Paul Arnold	Improvements in that class of amalgamators in which the auriferous material is forced through a body of quicksilver
8355	January 30	Henry Thomas Tootel	Improvements in mould boards of ploughs
8357	January 30	William Gettens	An improved process for the preservation of milk
8382	January 30	Alexander Holm	An improved construction of frame for cess-pan transport waggons
8421	January 28	Robert James Fernor Willson	An improved water filter for placing on ordinary water taps
8427	January 29	Robert Edward Evenden	An improved centrifugal churn

LETTERS PATENT SEALED, JANUARY, 1891.

No.	Name.	Title.	Date of Sealing.
7558	Nathaniel Greening	Improvements in wire weaving looms	1891.
7647	John Arthur	Counterbalancing the weight of haulage ropes and cages in mining and other shafts	January 2
7724	Wolf Defries and Victor Isdore Feeny	Improvements in hinges	January 2
8005	Benjamin Blevin, David Blevin, and Thomas Henry Maunder	Improvements in sheep-shearing machines and in flexible driving gear therefor and for other purposes	January 2
8043	Samuel England Jeans	A portable water-heater, to be heated by wood, coal, or coke or other fuels	January 2
8066	James Benjamin Poynter	Apparatus for facilitating the calculation of percentages and for some other purposes	January 2
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	January 2
8098	Neil McLead	An improved potato-digger	January 2
8126	Davies Brothers and Co. Limited	Improvements in preparing iron and steel sheets or plates previously to galvanizing them, that is, coating them with spelter	January 2
8128	Henry Ringwood	Improved mechanism for supporting jump seats of buggy and like vehicles	January 2
8129	Charles Cooper	An improved spark-arrester for locomotive and other engines	January 2
8132	William Charles Tank	A combined child's chair and table drawer	January 2
8147	John Beazley	Improvements in casters or receptacles for pepper and other pulverulent materials	January 2