

## G.—LIST of APPLICATIONS for PATENTS during the Year 1890.

NOTE.—An asterisk (\*) denotes that a provisional specification has been filed with the application.

4163. 2nd January. ARTHUR BIDDELL, of Wellington, New Zealand, Commercial Agent.—An invention for a toy or game called "Jack Horner."\* (Abandoned.)
4164. 3rd January. GEORGE HENRY DAVIES, Civil Servant, JOHN GELL, junr., Electrical Engineer, and THOMAS MARSH DAVIES, Mining Agent, all of Wellington, New Zealand.—An invention for the reduction of ironsand by means of electricity, to be called "Davies and Gell's Ironsand Reducer, consisting of a separator and smelter."\* (Abandoned.)
4165. 7th January. WILLIAM MILNE, JAMES MILNE, ROBERT MILNE, ALEXANDER MARTIN MILNE, and ANDREW MILNE, all of 166, Sussex Street, Sydney, New South Wales, trading under the style or firm of "Milne Brothers," as Engineers and Millwrights.—An invention for an improved clip for fastening telegraph wires to insulators, and for other similar purposes.
4166. 9th January. JOSEPH WILLIAM CORBETT, of Morwell, Victoria, Engineer.—An invention for a new cementitious and fire-resisting composition.\* (Abandoned.)
4167. 9th January. EUGENE FRANCIS MURPHY, of Eveleigh, near Sydney, New South Wales, Wagon Builder's Assistant.—An invention for an improved tool or appliance for assisting in placing railway-wagon springs in position, and for other purposes.\* (Abandoned.)
4168. 9th January. EDWARD MURGATROYD, of Colne, Lancaster, England, Engineer.—An invention for improvements in or applicable to the wheels of carts, wagons, tramcars, and other vehicles, to prevent the vehicle running back down an incline.\*
4169. 9th January. JAMES BALLANTYNE HANNAY, of Cove Castle, Loch Long, Dumbarton, Scotland, Chemical Engineer.—An invention for an improved process and apparatus for manufacture of sulphate of lead pigment.
4170. 9th January. JAMES BROOKHOUSE PRESTON, of Darlington, near Sydney, New South Wales, Engineer, JOHN SANDROCOTTA MARSHALL, of No. 124, Market Street, Sydney aforesaid, Tobacconist, and FRANCIS COTTON, of No. 169, Phillip Street, Sydney aforesaid, Commercial Agent.—An invention for improvements in lathes for turning irregular forms.
4171. 9th January. JOHN BUSTARD, of Clyde Cottage, Leichardt Street, Waverley, near Sydney, New South Wales, Civil Engineer, PATRICK JOSEPH McMAHON, of 279, George Street, Sydney aforesaid, Sharebroker, and THOMAS LOW, of Marion Street, Leichardt, near Sydney aforesaid, Gentleman.—An invention for an improved process for converting nightsoil, garbage, and such like into innoxious materials, and improvements in apparatus therefor.\* (Abandoned.)
4172. 9th January. HENRY GURNEY, of Sydney, New South Wales, Engineer.—An invention for an improved method of burning bricks and tiles, and an improved kiln therefor.
4173. 9th January. JOHN O'SULLIVAN, of Blenheim, Marlborough, New Zealand, Labourer.—An invention for trapping rabbits. (Lapsed.)
4174. 9th January. ALICE MARY McLEOD, of Valley Road, Mount Roskill, Auckland, New Zealand, Lady.—McLeod's patent automatic flax feed-box and splitting feed-rollers and scutcher-bar adaptable to the present dressing machines.
4175. 7th January. ALFRED SCULTHORP MINETT, of Auckland, New Zealand, Gentleman.—An invention for an improved process of treating ironsand, to be called "Minett's Patent Flux for Ironsand or other minerals."\* (Abandoned.)
4176. 15th January. JAMES CURTIS, of Petone, Wellington, New Zealand, Boiler-maker.—An invention for the automatic releasing of any weights for the purpose of driving piles, stampers, pipes for artesian wells, &c., to be called "Curtis's Automatic Half-wheel Release-block." (Lapsed.)
4177. 15th January. HENRY ALFRED WATKINS, of 4, Lambton Quay, Wellington, New Zealand, Butcher.—An invention for a new or improved road skate.\* (Abandoned.)
4178. 9th January. EDMUND ANSCOMBE, of St. Clair, Dunedin, New Zealand, Carpenter and Joiner.—An invention for "The Climax Spout Protector."
4179. 10th January. WILLIAM BEATON SANGSTER, of Dunedin, New Zealand.—An invention for a pipe for smoking tobacco, and entitled "The Breach Loader." (Lapsed.)
4180. 10th January. JOSEPH GABRIEL BENTLEY, of Balclutha, Otago, New Zealand, Painter.—An invention for simplex spouting cover.
4181. 17th January. JAMES OBADIA ZACHARIA CAMERON, of the Ballarat Water Supply, Ballarat, Victoria, Foreman of Works.—An invention for an improved automatic cut-off valve, principally adapted for use in connection with the siphon pumps used for raising water from drainage wells.\* (Abandoned.)
4182. 18th January. WILLIAM HENRY POTTER, Architect, and JOHN EDWARD HAYES, Brass Founder, both of Wellington, New Zealand.—An invention for an improved portable support for music and some other purposes.\* (Abandoned.)
4183. 20th January. FREDERICK BULL, of Wellington, New Zealand, Accountant.—An invention for a new chemico-mechanical combination process for the manufacture of superior fibre from the *Phormium tenax*.
4184. 16th January. JOSEPH ALEXANDER FLEMING, of North Shore, Auckland, New Zealand, Mechanical Engineer.—An invention for washing and bleaching New Zealand flax, to be called "Fleming's Washing and Bleaching Machine for New Zealand Flax." (Lapsed.)
4185. 21st January. ALFRED ADAIR and JOHN GEORGE CRUICKSHANK, both of Johannesburg, South African Republic, Engineers.—An invention for improvements in stones or equivalent devices for use in machinery for grinding quartz and other substances.
4186. 20th January. MICHAEL FANNING, of "Rupertswood," Sunbury, Victoria, Gardener.—An invention for an improved rabbit-trap.