

3114. To James Salmon, of Manchester, in the county of Lancaster, Printers' Engineer, and Robert Craib Ross, of the firm of R. C. Ross & Sons, of the same place, Printers' Machinists, for the invention of "certain improvements in paper cutting machines."
3115. And to Frank Wirth, of the firm of Wirth and Company, Patent Solicitors, of Frankfort-on-the-Main, in the Empire of Germany, for the invention of "improvements in the treatment of the residues of wine for manufacturing tartaric acid and tartaric salts."—A communication from Franz Dietrich, Chemist, a person resident at Murten (Switzerland), and Guido Schnitzer, a person resident at Schwäbisch-Hall (Germany).
- On their several petitions, recorded in the Office of the Commissioners on the 15th day of August, 1877.
3118. To Charles Carter, of Brixton, in the county of Surrey, and Newton Wilson, of 144, High Holborn, in the county of Middlesex, Sewing Machine Manufacturer, for the invention of "improvements in bicycles."
3119. To David Gill, of Weston-super-Mare, in the county of Somerset, Plumber, for the invention of "improvements in ventilating apparatus to be applied to water closets."
3120. To George Ovid Topham, of Maida Vale, in the county of Middlesex, for the invention of "improvements in suspending seats, couches, and berths on shipboard for the prevention of sea sickness."
3121. To George Ashley Wilson, George Duncan, and William Ashley Wilson, all of Liverpool, in the county of Lancaster, Engineers, for the invention of "improvements in engines and apparatus for the propulsion of vehicles on roads and rails."
3122. To George Ashley Wilson, George Duncan, and William Ashley Wilson, all of Liverpool, in the county of Lancaster, Engineers, for the invention of "improvements in gas motors."
3123. To Edwin Thurmand, of Batley, in the county of York, for the invention of "an improved method of forming patterns or designs on felted fabrics."
3125. To Thomas Adams, of West Gorton, near Manchester, in the county of Lancaster, Engineer, for the invention of "improvements in pistons."
3126. To John Collins Russell, of Wimbledon, in the county of Surrey, for the invention of "an improved composition for preserving stone and wood against decay and heat, applicable also for the manufacture of materials for building purposes and statuary."
3128. To William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for the invention of "improvements in postal envelopes."—A communication to him from abroad by Charles K. Marshall, of Vicksburg, Mississippi, George Elliot, of the City and State of New York, and Mary Boyd Cummings, of Washington, District of Columbia, all in the United States of America.
3130. And to William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for the invention of "an improved apparatus for lubricating carriage axletrees, and for similar purposes."—A communication to him from abroad by Waldron Yates Selleck, of the City and State of New York, United States of America.

On their several petition, recorded in the Office

of the Commissioners on the 16th day of August, 1877.

3132. To Ellis Butterworth, of Calder Cottage, near Rochdale, in the county of Lancaster, for the invention of "improvements in or applicable to furnaces for steam boilers, and other purposes."
3133. To John Imray, of Southampton-buildings, in the county of Middlesex, for the invention of "improvements in apparatus employed in the propulsion of tramway cars by means of ropes."—A communication to him from abroad by William Eppelsheimer, of San Francisco, California, in the United States of America.
3134. To Thomas Salkeld Borradaile, of 7, Union-court, Old Broad-street, in the city of London, Gentleman, for the invention of "improvements in the construction of apparatus for regulating the consumption of gas."—A communication to him from abroad by Michael Flürscheim, of Gaggenau, in the Empire of Germany.
3135. To Sidney Elmsley, Agent, of Bradford, and Samuel Smith, Machine Maker, of Low Bridge Works, Keighley, both in the county of York, for the invention of "improvements in doubling and twisting, and in apparatus connected therewith."
3136. To William Robert Maguire, of the firm of Maguire and Son, of Dawson-street, in the city of Dublin, Ireland, for the invention of "improvements in kitchen or cooking ranges."
3137. To Henry William Ley, of Bear-street, in the county of Middlesex, for the invention of "improvements in clocks."
3138. To Joseph Tomlinson, of Black Hawk, in the State of Colorado, United States of America, for the invention of "improvement in boxes for shafting and in hangers for the same."
3139. To John Muirhead, Junior, and Alexander Muirhead, both of 29, Regency-street, in the city of Westminster, for the invention of "improvements in the receiving instruments of electric telegraphs, and in recorders for other uses."
3140. To James Pollock, of Porson-street, Battersea Park, and William Wilkinson, of Wandsworth-road, both in the county of Surrey, Engineers, for the invention of "improvements in locomotive, portable, and other like engines."
3141. And to Leedham Binns, of Grove House, Oakenshaw Low Moor, near Bradford, in the county of York, for the invention of "improvements in the manufacture of bands, cords, or ropes."
- On their several petitions, recorded in the Office of the Commissioners on the 17th day of August, 1877.
3142. To Nathaniel John Holmes, of the Hall, Primrose Hill-road, Regent's Park, London, Middlesex, Gentleman, for the invention of "improvements in the construction of self-igniting and inextinguishable signal lights for marine and other purposes."
3144. To Herbert John Haddan, of the firm of Herbert and Company, Patent Agents, of 67, Strand, in the city of Westminster, Civil Engineer, for the invention of "improvements in woodscrews and in the manufacture thereof."—A communication to him from abroad by Reinhold Boeklen, of the city of New York, United States of America, Engineer.
3146. To Arthur Wilson and John James Palmer, and Thomas Henry Palmer, all of Walsall, in the county of Stafford, Engineers and Iron-founders, for the invention of "new or improved machinery and apparatus to be used in the manufacture of leather."