

sewing machines, especially adapted to or for the sewing of straw braid."—A communication to him from abroad by Samuel Henshall, of Philadelphia, Pennsylvania, in the United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 10th day of January, 1878.

133. To Walter Weldon, of Rede Hall, Burstow in the county of Surrey, for the invention of "an improvement in the manufacture of soda and potash by the Leblanc process."

137. To Eustace Wigzell and Joseph Pollit, of the firm of Timothy Bates and Company, of Sowerby Bridge, in the county of York, Iron Founders and Engineers, and Walter Lees, of Sowerby Bridge aforesaid, Working Engineer, for the invention of "improvements in the furnaces of steam boilers."

141. To Arthur Werner Itter, of Shepherd's Bush, in the county of Middlesex, for the invention of "improvements in metallic window-frames, sashes, skylights, and gratings."

143. To Robert Henelade Courtenay, of Brighton, in the county of Sussex, for the invention of "improvements in signal lights to be used for military or other purposes."

145. To George Chapman, of New Bridge-street, Blackfriars, in the county of Middlesex, Merchant, for the invention of "improvements in postal cards."—A communication to him from abroad by Frank W. Brooks, of New York, United States of America.

147. To Ernest Smythe, of Exchequer-chambers and No. 21, Blair-street, Edinburgh, in the county of Midlothian, Scotland, for the invention of "an improved velocipede in the form of a circular or cylindrical cage turning as one wheel and revolving over, around, and under the person or persons using the same and having three or five separate tyres."

149. And to Robert Morton, of Wishaw, in the county of Lanark, North Britain, for the invention of "improvements in safety lamps."

On their several petitions, recorded in the Office of the Commissioners on the 11th day of January, 1878.

151. To William Carter, of Sneinton, in the county of Nottingham, for the invention of "improvements in bicycles, tricycles, and similar machines."

153. And to George Lowry, of Cross-street Iron Works, Salford, in the county of Lancaster, Engineer, for the invention of "improvements in locomotive engines, mechanism, and arrangements for propelling and working carriages on tram and other roads."

On both their petitions, recorded in the Office of the Commissioners on the 12th day of January, 1878.

#### PATENTS WHICH HAVE BECOME VOID.

**A** LIST of the Letters Patent for Inventions which have become void by reason of the non-payment of the additional Stamp Duty of £50, before the expiration of the third year from the date of such Patents, pursuant to the Act of the 16th Vict., c. 5, sec. 2, for the week ending the 19th day of January, 1878.

123. Thomas Casson, of Portmadoc, in the county of Carnarvon, Banker, for an invention of "improvements in hydraulic engines."—Dated 13th January, 1875.

124. Frederick Albert Gatty, of Accrington, in the county of Lancaster, Manufacturing Chemist, for an invention of "improvements in preparing certain materials employed in printing and dyeing cotton fabrics and yarns."—Dated 13th January, 1875.

125. William Brookes, of 62, Chancery-lane, in the county of Middlesex, Patent and Registration Agent, for an invention of "improved metallic cartridges."—From abroad by Alfred Charles Hobbs and Jerome Orcutt, both of Bridgeport, Connecticut, in the United States of America.—Dated 13th January, 1875.

127. Robert Main, of Glengarnock Iron Works, in the county of Ayr, North Britain, for an invention of "new or improved apparatus for ascertaining the temperature of hot blasts."—Dated 13th January, 1875.

128. George Scott, of Glasgow, in the county of Lanark, North Britain, for an invention of "improvements in furnaces used in the manufacture of glass."—Dated 13th January, 1875.

129. William Green, of Florence-terrace, Saint Lawrence, Thanet, in the county of Kent, for an invention of "improvements in the preparation and treatment of soaps, and in combining therewith certain vegetable farinaceous or equivalent natural matters, also in apparatus or means therefor, parts of which improvements are applicable to other soaps."—Dated 13th January, 1875.

130. Thomas North, of Hitchin, in the county of Hertford, Gentleman, for an invention of "improvements in axle boxes and appliances appertaining thereto."—Communicated to him from abroad by Owen Tomlinson, of Parel, Bombay.—Dated 13th January, 1875.

131. James Lee, of Milwaukee, in the county of Milwaukee, and State of Wisconsin, in the United States of America, for an invention of "improvements in a breech loading magazine fire arm."—Dated 13th January, 1875.

134. John Thomas Staniland, of Bury St. Edmunds, in the county of Suffolk, Commercial Traveller, for an invention of "improvements in brakes for perambulators."—Dated 13th January, 1875.

135. Henry Young Darracott Scott, of Ealing, in the county of Middlesex, Major-General, C.B., for an invention of "improvements in the purification of coal gas."—Dated 13th January, 1875.

136. George Raphaël Francis Sinibaldi, of Lewisham High-road, New Cross, in the county of Kent, Spirit Merchant, for an invention of "an improved method of and apparatus for preventing the formation and explosion of gas in the storage, transport, and delivery of gaseous or inflammable oil or spirit."—The same is partly the result of a communication to him from abroad by Pierre Sinibaldi, of Paris, France, and partly of invention and discovery made by him.—Dated 13th January, 1875.

137. George Hermann Lewis, of Clapton Park, in the county of Middlesex, for an invention of "a new and improved method of producing a draught through cigars to facilitate the smoking thereof, and implement for that purpose."—Dated 13th January, 1875.

142. Joseph Armstrong, of Rotherham, in the county of York, for an invention of "improvements in self locking switches for railways."—Dated 14th January, 1875.

143. Edward Percy Stokes, of Barrow-in-Furness, in the county of Lancashire, for an invention of "improvements in boat lowering apparatus."—Dated 14th January, 1875.