

1156. To William Batchelor, of Winchester, in the county of Hants, Iron and Brass Founder, for the invention of "improvements in fire-bars."
1157. To Robert Purvis Beattie, of South Castle-street, Edinburgh, North Britain, Plumber and Gasfitter, for the invention of "an improved construction of valve cock."
1158. To Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in shirt fronts and cuffs."—A communication to him from abroad by Effingham Howard Nichols Warner, of the city, county, and State of New York, United States of America.
1159. And to George William Ley, of St. John's-road, Croydon, in the county of Surrey, for the invention of "improvements in the production of raised and sunken designs in imitation of carving in wood, ivory, bone, and other materials."

On their several petitions, recorded in the Office of the Commissioners on the 20th day of April, 1870.

1160. To Romain Francois Bigot, of Paris, Department of the Seine, in the Empire of France, Merchant, for the invention of "an improved apparatus combining the functions of a bung and of a self acting vent peg."
1162. To James Milton, Manager to Messieurs John Sommerville and Sons, Manufacturers, of Glasgow, in the county of Lanark, North Britain, for the invention of "improvements in yarn holders."
1164. To Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for the invention of "an improved adjustable bedstead."—A communication to him from abroad by William Orr Reid, of Vienna, in the State of North Carolina, United States of America.
1166. And to James Thomas Sheppard, of Northampton, in the county of Northampton, for the invention of "improvements in machinery for cutting heel and sole pieces or other forms of leather."

On their several petitions, recorded in the Office of the Commissioners on the 21st day of April, 1870.

#### 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 23rd day of April, 1870.

1132. James Smith Brooks, of Cambridge-villas, Hackney, in the county of Middlesex, Gentleman, for an invention of "improvements in the means of colouring tobacco pipes and other articles of meerschaum and massa."—Dated 17th April, 1867.
1137. William Cochran, of Seghill House, Northumberland, for an invention of "improvements in apparatus for breaking down coal, stone, and other minerals."—Communicated to him from abroad by Theophile Guibal, a person resident at Mons.—Dated 17th April, 1867.
1139. John Scott, of Oxford-street, in the county of Middlesex, for an invention of "improvements in fire escapes."—Dated 18th April, 1867.

1140. William Holding, Weaver, and James Holding, Overlooker, both of Wheelton, in the county of Lancaster, for an invention of "improvements in looms for weaving."—Dated 18th April, 1867.

1142. William Begg, of Marsh-lane Foundry, Preston, in the county of Lancaster, Iron Founder, for an invention of "improvements in apparatus for admitting and regulating the supply of air to furnaces."—Dated 18th April, 1867.

1143. Edward Lindner, of the city of New York, in the United States of America, Engineer, for an invention of "improvements in breech loading fire arms, and likewise the cartridges and balls to be used therewith."—Dated 18th April, 1867.

1146. William Wilkinson, of Jarrow, in the county of Durham, Engineer, for an invention of "improved apparatus for catching fish."—Dated 18th April, 1867.

1147. William Kirrage, of No. 1, Bridge-road, Victoria Park, in the county of Middlesex, Surveyor, for the invention of "an improvement in the manufacture of bricks and other materials without the aid of artificial heat for hydraulic and other purposes."—Dated 20th April, 1867.

1150. John Millward, of Birmingham, in the county of Warwick, Civil Engineer, for an invention of "improvements in brewers mash tuns."—Communicated to him from abroad by James Walker, of Cincinnati, Ohio, United States of America.—Dated 29th April, 1867.

1153. William Harrison, of Wharton-green, Winsford, in the county of Cheshire, in the United Kingdom of Great Britain and Ireland, Salt Manufacturer, for the invention of "an improved method of consuming smoke in furnaces."—Dated 20th April, 1867.

1157. Edward Howell and Thomas Hardy, both of Poole, in the county of Dorset, for an invention of "improvements in the construction of horse rakes."—Dated 20th April, 1867.

1158. Richard Hastings Frith, of 101, Lower Gardiner-street, in the city of Dublin, Civil Engineer, for an invention of "improvements in distributing and measuring gas, steam, water, and other fluids, and in the apparatus or means employed therein."—Dated 20th April, 1867.

1160. John Atkinson, of the Steam Wheel and Patent Arm and Axle Manufactory, Victoria-road, Leeds, in the county of York, for an invention of "improvements in the construction of wheels."—Dated 20th April, 1867.

1161. William George Crossley, of the town of Cambridge, Dentist, for an invention of "improvements in velocipedes."—Dated 20th April, 1867.

1162. Henry Fassmann, of New Orleans, Louisiana, United States of America, now of No. 8, Southampton-buildings, Chancery-lane, in the county of Middlesex, for an invention of "improvements in metal ties or bands for securing bales of cotton, wool, and other substances."—Dated 20th April, 1867.

1163. John Webster Cochran, of the city, county, and State of New York, United States of America, now of No. 8, Southampton-buildings, Chancery-lane, in the county of Middlesex, for an invention of "improvements in breech-loading fire-arms."—Dated 20th April, 1867.

1167. Joseph Needham, of Piccadilly, in the county of Middlesex, Gunmaker, for an invention of "improvements in breech loading fire arms."—Dated 22nd April, 1867.