

struction of steam vessels," the result partly of a communication to him from abroad by Thomas Winans, of Baltimore, in the State of Maryland, United States of America, and partly of invention and discovery made by him.

1652. To Henry Woodcroft Hammond, of 27, Southampton-buildings, Chancery-lane, in the county of Middlesex, Civil Engineer, for the invention of "improvements in the apparatus for lowering boats."—A communication to him from abroad by Thomas Shaw, of the city and county of Philadelphia, in the State of Pennsylvania, United States of America.
1653. To Alexander Donald and Albert James Atkey, of 33, Cornhill, in the city of London, Engineers, for the invention of "an improved machine for turning, shaping, slotting, drilling, and boring metals."
1654. And to Charles Edwin Hammond, of Clayton Mills, Hurstpierpoint, in the county of Sussex, for the invention of "improvements in wind mills."
- On their several petitions, recorded in the Office of the Commissioners on the 7th day of May, 1873.
1658. To William Kensett Platt, of the city of Philadelphia, in the State of Pennsylvania, and United States of America, Mechanic, for the invention of "improvements in chemical fire-extinguishers."
1660. To John Watson Ormiston, of Shotts, in the county of Lanark, North Britain, Manager of the Shotts Iron Company, for the invention of "improvements in the manufacture of pig-iron adapted for the Bessemer process."
1662. To John Lanham, of Parkside-street, Batterssea, in the county of Surrey, Shoe-maker, for the invention of "improvements in the manufacture of boots and shoes, and in apparatus therefor."
1664. To Walter Edward Yates and Robert Watson, both of Manchester, in the county of Lancaster, Engineers, for the invention of "improvements in washing machines and churns."
1666. To Eugène Geraut, of Farringdon-road, in the city of London, for the invention of "improvements in aerated water bottles and stoppers for the same."
1668. To Austin Joseph Maher, Engineer, and William Black, both of the county of the city of Dublin, for the invention of "new or improved modes or means for controlling, guiding, or directing the rolling stock on tram or other ways from main to branch lines, or vice versâ."
1670. To Edward Marston, of the firm of Sampson Low, Marston, Low, and Searle, of Fleet-street, in the city of London, and Henry Kleinau, of King William-street, Strand, in the city of Westminster, for the invention of "improvements in inkstands, and in the mode of using soluble chemical substances therewith as writing ink."—A communication to them from abroad by Adolphe Teysonniere, of Paris, France.
1672. To John Frederick William Hodges, of Belfast, Ireland, Chemical Assistant, for the invention of "an improved process for bleaching jute, and other textile fibres, and for preparing the same for the reception of colours and for the manufacture of paper."
1674. And to Louis Gooder, of Field-lane, Thorne's-lane, Wakefield, in the county of York, Engineer, for the invention of "improvements in the setting of and in means of cleansing steam boilers."

On their several petitions, recorded in the Office

of the Commissioners on the 8th day of May, 1873.

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 Vic., c. 5, sec. 2, for the week ending the 10th day of May, 1873.

1278. Charles Exter, of Munich, in the Kingdom of Bavaria, Engineer, for an invention of "an improved brake, applicable to the rolling stock of railways and other vehicles."—Dated 4th May, 1870.
1279. Henry Kinsey, of the Robin Hood Works, Nottingham, for an invention of "improvements in wheels for carriages, vehicles, and locomotive apparatus, and in wheels and pulleys for driving machinery."—Dated 4th May, 1870.
1281. John Campbell, of Belfast, Ireland, for an invention of "improvements in the process or method of drawing flax and other fibrous substances."—Dated 4th May, 1870.
1283. Bethel Burton, in the Office of V. and R. Blakemore, of 46, Leadenhall-street, in the city of London, Engineer, for an invention of "improvements in breech loading fire arms and cartridges therefor."—Dated 4th May, 1870.
1284. George Ingram, of 37, Mary-le-bone-road, parish of Saint Mary-le-bone, bounty of Middlesex, Clerk, for an invention of "improved apparatus for regulating the lift of railway and other carriage windows."—Dated 5th May, 1870.
1286. William Robert Lake, of the "International Patent Office," Southampton-buildings, London, Consulting Engineer, for an invention of "improvements in steam engines."—Communicated to him from abroad by Messrs. Babcock and Wilcox, of Providence, Rhode Island, United States of America.—Dated 5th May, 1870.
1287. Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for an invention of "improvements in apparatus for cleaning grain and seeds."—Communicated to him from abroad by Frederick Wegmann, of Paris, in the Empire of France.—Dated 5th May, 1870.
1291. Frederick Hart, of Bourton, in the county of Dorset, for an invention of "improvements in planes for chamfering and moulding, and in means connected with their use."—Dated 5th May, 1870.
1294. William Brough, senior, and William Brough, junior, both of Silverdale Tileries, in the parish of Keele, in the county of Stafford, Brick and Tile Manufacturers, Copartners in trade, for an invention of "improvements in the construction of ovens and kilns."—Dated 5th May, 1870.
1295. Abraham Ripley, of 34, West-square, Saint George's-road, Southwark, in the county of Surrey, Engineer, for an invention of "a new or improved pipe wrench."—Dated 6th May, 1870.
1299. David Walker, of Leith, in the county of Mid Lothian, North Britain, Engineer, for an invention of "improvements in apparatus or arrangements for preventing or reducing the production of smoke in furnaces."—Dated 6th May, 1870.