

1869. To Henry Crichley, of Birmingham, in the county of Warwick, Manufacturer, for the invention of "improvements in the manufacture of metallic tiles and slabs, and in the construction of hearths and jambs for fireplaces."
1871. To Carl Heinrich Siemens, of No. 12, Queen Anne's-gate, Westminster, in the county of Middlesex, for the invention of "improvements in the means and apparatus for recording electric telegraph signals."—A communication to him from abroad by Dr. Ernst Werner Siemens, of Berlin, in the German Empire.
1873. To Thomas Robert Leason, of Levenshulme, in the county of Lancaster, for the invention of "improvements in the construction of swing doors."
1875. To William Edward Gedge, of No. 11, Wellington-street, Strand, in the county of Middlesex, Patent Agent, for the invention of "an improved liquid composition for extinguishing fires."—A communication to him from abroad by Prosper Rolland, of Remollon (Hautes Alpes), France.
1879. To Roger Vivian, of Tuckingmill, Camborne, in the county of Cornwall, Engineer, for the invention of "improvements in pulley blocks and in apparatus for raising, lowering, and holding fast window blinds."
1881. To Frederick Smith, of New North-road, in the county of Middlesex, Cork Merchant, for the invention of "an improved stopper for bottles."
1885. And to Benjamin Woolley Hart, of 1, Garway-road, in the county of Middlesex, Merchant, for the invention of "an improved process of producing iron and steel from oxide of iron and other ores."
- On their several petitions, recorded in the Office of the Commissioners on the 14th day of May, 1877.

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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 May, 1877.

1693. Nicholas Twigge, of Liverpool, in the county of Lancaster, for an invention of "improvements in mills used for cleaning rice and other grains."—Dated 13th May, 1874.
1694. Adolphus Clark, of the firm of Dows, Clark, and Co., Soda Water Machinery Manufacturers, 46 and 47, Frith-street, Soho-square, in the county of Middlesex, for an invention of "an improved apparatus for cooling and delivering ale, beer, and other liquids for drinking."—From abroad by Charles L. Ridgway, of Boston, Massachusetts, United States of America.—Dated 13th May, 1874.
1697. Friedrich Holtermann, of Hamburgh, in the Empire of Germany, Manufacturer of Jewellery Cases, for an invention of "improvements in cases for jewellery, watches, and other articles."—Dated 13th May, 1874.
1702. Frederick Cox, of Battersea, in the county of Surrey, for an invention of "new or improved means for attaching door handles to their spindles."—Dated 13th May, 1874.
1705. Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for an invention of "an improvement in the

manufacture of beer."—From aboard by Jules Louis Tröster, of Paris, France.—Dated 13th May, 1874.

1706. Arnold Lohren, of the firm Berlin-Neuendorfer-Actien-Spinnerie, at Neuendorf bei (near) Potsdam, in the Kingdom of Prussia, for an invention of "improvements in machinery for combing wool, cotton, silk, flax, and other fibrous substances."—Dated 14th May, 1874.
1709. Arnold Budenberg, of the city of Manchester, Engineer, for an invention of "improvements in meters for measuring the flow of liquids."—Communicated to him from abroad by Bernhard August Schäffer and Christian Frederick Budenberg, of Buckau, Magdeburg, in the Empire of Germany.—Dated 14th May, 1874.
1714. John Macintosh, of the Strand, in the county of Middlesex, for an invention of "improvements in boring and sawing rocks and other mineral substances, and dressing stone."—Dated 14th May, 1874.
1716. Bristow Hunt, of Serle-street, Lincoln's-inn, in the county of Middlesex, Gentleman, for an invention of "improvements in planes."—From abroad by Joseph Fuller Baldwin, of Boston, Massachusetts, United States of America.—Dated 14th May, 1874.
1718. John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for an invention of "improvements in the mechanism of and in the mode of supporting rock drilling machines."—From abroad by John B. Waring, of the city of New York, United States of America.—Dated 14th May, 1874.
1721. Richard Murray and John Paterson, of Coatbridge, in the county of Lanark, North Britain, Engineers, for an invention of "new or improved modes of and means or apparatus for preventing the fire and explosion sometimes caused by the over friction and heat in grinding or crushing grain in flour, meal, and malt mills from spreading with the 'stive' or flour dust into the interior of the buildings or mills, and their receiving and dressing or air exhausting chambers."—Dated 15th May, 1874.
1724. John Darlington, of 2, Coleman-street-buildings, Moorgate-street, in the city of London, for an invention of "improvements in percussive engines."—Dated 15th May, 1874.
1725. Josiah Barrett, of 1, Devonshire-terrace, Catherine-grove, Greenwich, in the county of Kent, Ship Builder, and John Philip Rawlings, of 16, East Ferry-road, Poplar, in the county of Middlesex, Engineer, for an invention of "an improved method or means for preserving the interior parts of steam boilers."—Dated 15th May, 1874.
1726. William Dawes, of Kingston-grove, Leeds, in the county of York, Engineer, and Henry Percy Holt, of Royal Insurance-buildings, Leeds, in the county of York, Civil Engineer, for an invention of "improvements in machinery for cutting metallic plates."—Dated 15th May, 1874.
1727. Samuel Schofield, of Ashton-under-Lyne, in the county of Lancaster, Ironfounder, for an invention of "improvements in and applicable to domestic fire places."—Dated 15th May, 1874.
1728. William Dawes, of Kingston-grove, Leeds, in the county of York, Engineer, and Henry Percy Holt, of Royal Insurance-buildings, Leeds, in the county of York, Civil Engineer, for an invention of "improvements in steam engines."—Dated 15th May, 1874.