

- Limited, and William McIvor, Chemist, of the same place, for an invention of "a process whereby the sulphuric acid residues produced in the refining of oleaginous and bituminous matters may be utilized and employed for the production of sulphate of soda and sulphide of sodium and black ash."—Dated 23rd October, 1869.
3087. Thomas Hydes, Joseph Bennett, and John Emil Bennett, all of Sheffield, in the county of York, for an invention of "improvements in propelling ships and other navigable vessels."—Dated 23rd October, 1869.
3089. Thomas Bevington and Sydney Courtauld, both of Spa-road, Bermondsey, in the county of Surrey, and John Andrew Norberg, of No. 1, Almorah-road, Islington, in the county of Middlesex, for an invention of "improvements in machinery for breaking stone and ore, part of which improvements are applicable to hammers and pile driving machines, and other machines in which weights have to be raised and suddenly dropped."—Dated 23rd October, 1869.
3091. Peter Walker, of Bewsey New Hall, near Warrington, in the county of Lancaster, Brewer, for an invention of "improved methods of, and apparatus for, rendering coal mines less injurious to those employed therein."—Dated 25th October, 1869.
3092. William Robert Lake, of the "International Patent Office," Southampton-buildings, London, Consulting Engineer, for an invention of "improvements in sewing machine needles."—Communicated to him from abroad by Mrs. Hannah G. Suplee, of San Francisco, California, United States of America.—Dated 25th October, 1869.
3098. William Robert Lake, of the "International Patent Office," Southampton-buildings, London, Consulting Engineer, for an invention of "improvements in the manufacture of dry white lead and white lead pigment from metallic lead."—Communicated to him from abroad by George Thompson Lewis, of Philadelphia, Pennsylvania, United States of America.—Dated 25th October, 1869.
3095. John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for an invention of "an improved adhesive compound, and its application to stamps, labels, wrappers, envelopes, and other like articles."—Communicated to him from abroad by Philip Syng Physick Corner, of Philadelphia, Pennsylvania, United States of America.—Dated 25th October, 1869.
3096. George Ireland, of Handsworth, in the county of Stafford, Manager of Works, for an invention of "improvements in nutcrackers."—Dated 25th October, 1869.
3097. James Edge, of the firm of Edge and Sons, of Madeley, in the county of Salop, Wire Rope Manufacturers, for an invention of "improvements in flat wire rope."—Dated 25th October, 1869.
3098. John Lockwood, of Leeds, in the county of York, Engineer, for an invention of "improvements in couplings for railway engines, carriages, and waggons."—Dated 26th October, 1869.
3099. William Blackett Haigh, of Oldham, in the county of Lancaster, for an invention of "improvements in circular saw benches."—Dated 26th October, 1869.
3100. John Siddons Grierson and Robert Philips, both of Broughton Market, Edinburgh, North Britain, Engineers, for an invention of "an improved machine or apparatus for bronzing, coloring, and illuminating cards and paper of all descriptions, the same being applicable to bronzing or coloring wall papers."—Dated 26th October, 1869.
3101. Thomas Hoey, of Glasgow, in the county of Lanark, North Britain, Engineer, for an invention of "improvements in fire places for dwellings, and in arrangements in connection therewith to promote ventilation."—Dated 26th October, 1869.
3102. Daniel Spill, of Paradise-terrace, Hackney, in the county of Middlesex, for an invention of "improvements in the preparation and use of solvents of xyloidine so as to render the same more suitable for industrial applications."—Dated 26th October, 1869.
3103. James Purdy Rennoldson, of South Shields, in the county of Durham, Engine Builder, for an invention of "improvements in steam lubricators."—Dated 26th October, 1869.

A LIST of the Letters Patent for Inventions which have become void by reason of the non-payment of the additional Stamp Duty of £100, before the expiration of the seventh year from the date of such Patents, pursuant to the Act of the 16th Vict., c. 5, sec. 2, for the week ending the 26th day of October, 1872.

2709. Joseph Needham and George Henry Needham, both of Piccadilly, in the county of Middlesex, Gun Makers, for an invention of "improvements in central-fire breech loading fire arms and in ammunition for the same."—Dated 20th October, 1865.
2717. Rémy Biessy, of Trinity-square, Southwark, for an invention of "improvements in apparatus for splitting and preparing cane."—Dated 20th October, 1865.
2738. Alexander Chaplin, of No. 11, Adam-street, Adelphi, in the county of Middlesex, and of Glasgow, North Britain, Engineer, for an invention of "improvements in steam boilers."—Dated 23rd October, 1865.
2756. Thomas Russell Crampton, of Great George-street, Westminster, Civil Engineer, for an invention of "improvements in the construction of roadways, floorings, and other surfaces."—Dated 26th October, 1865.
2759. Edmund Hunt, of No. 87, St. Vincent-street, in the city of Glasgow, and No. 1, Serle-street, Lincoln's-inn, in the county of Middlesex, for an invention of "improvements in steam engines."—Dated 26th October, 1865.
2760. James Johnson, of Stoke-upon-Trent, in the county of Stafford, Engineer, for an invention of "certain improvements in 'crossings' to be employed on railways or tramways."—Dated 26th October, 1865.
2765. Willoughby Smith, of the Gutta Percha Works, Wharf-road, in the county of Middlesex, Electrical Engineer, for an invention of "improvements in testing and working submarine electric telegraph wires."—Dated 26th October, 1865.
2766. Leonard Bennett, of the city of Worcester, for an invention of "an improved needle."—Dated 26th October, 1865.
2767. George Washington Bacon, of No. 48, Paternoster-row, in the city of London, Publisher, for an invention of "an improved apparatus for gymnastic exercises."—The same is the result partly of a communication made to him from abroad by Edwin Taxon Bacon, of New York City, United States of America, and partly of invention and discovery made by him. Dated 26th October, 1865.