

or other metals with copper or copper alloys, and the preparation of a material to be employed therein."

2451. And to Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in cocks or valves."—A communication to him from Bazile Baqué and Edouard Féraud, both of 13, Boulevard St. Martin, Paris.

On their several petitions, recorded in the Office of the Commissioners on the 16th day of September, 1871.

2452. To Felix Henry March, of No. 2, Gothic-cottages, Serpentine-road, Park Village East, in the county of Middlesex, Gentleman, for the invention of "improvements in bottles, and in means or apparatus for closing the same."

2456. To James Grafton Jones, of Park Villa, Pershore-road, Birmingham, in the county of Warwick, for the invention of "improvements in sewing machines, and in the means employed for giving motion thereto."

2457. To Joseph Kaye, of Kirkstall, Leeds, in the county of York, for the invention of "improvements in factory lamps."

2459. And to Edward Heinson Huch, of Brunswick, in the Empire of Germany, at present residing at the Royal Hotel, Bridge-street, Blackfriars, in the city of London, for the invention of "an apparatus for keeping off flies, mosquitoes, and similar insects."

On their several petitions, recorded in the Office of the Commissioners on the 18th day of September, 1871.

2467. To William Robert Lake, of the firm of Haseltine, Lake, and Co., Patent Agents, Southampton-buildings, London, for the invention of "improvements in torsion springs and their bearings for carriages and machinery."—A communication to him from abroad by Benjamin Hershey, Edward Geer, Richard Dudley, and Richard Francis Gaggin, all of Erie, Pennsylvania, United States of America.

On his petition, recorded in the Office of the Commissioners on the 19th day of September, 1871.

2471. To John Shanks, of Barrhead, in the county of Renfrew, North Britain, Sanitary Engineer, for the invention of "improvements in bath fittings."

2479. And to William Martin, of Sherwood-street, in the town and county of the town of Nottingham, for the invention of "improvements in lace machinery and the production of a novel description of fabric thereon."

On both their petitions, recorded in the Office of the Commissioners on the 20th day of September, 1871.

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 23rd day of September, 1871.

2860. Thomas Beards, of Stowe Park, near Buckingham, in the county of Buckingham, for an invention of "an improved steam plough."—Dated 17th September, 1868.

2862. William Thomas Watts, of Birmingham, in the county of Warwick, Metal Dealer, for an invention of "improvements in annealing

raised hollow vessels."—Dated 17th September, 1868.

2963. William Edward Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Civil Engineer, for an invention of "improvements in apparatus for raising water and other fluids."—Communicated to him from abroad by Henry Clark Sergeant, of the city and State of New York, United States of America.—Dated 17th September, 1868.

2865. William Robert Lake, of the "International Patent Office," No. 8, Southampton-buildings, Chancery-lane, in the county of Middlesex, Consulting Engineer, for an invention of "improvements in explosive compounds."—Communicated to him from abroad by Joseph Hafneger, of San Francisco, California, United States of America.—Dated 17th September, 1868.

2866. Henry Wilson, of Stockton-on-Tees, in the county of Durham, for an invention of "improvements in engines worked by hydraulic, fluid, or steam power, and in mechanism or apparatus used in regulating the supply of water or other fluids, the same being applicable, amongst other uses, to water closets, lavers, and gas pipes, for the prevention of waste of water, gas, or other fluids."—Dated 17th September, 1868.

2867. George Harman Barth, Chymist, of The Lodge, No. 111, Westbourne-grove, Bayswater, in the county of Middlesex, for an invention of "improvements in apparatus for administering and supplying and purifying gases or vapours for medicinal and other purposes."—Dated 17th September, 1868.

2868. Thomas Jones, Joseph Jones, James Brandwood, and John Wren, all of Manchester, in the county of Lancaster, for an invention of "certain improvements in furnaces, applicable to boilers for generating steam, or other purposes."—Dated 17th September, 1868.

2869. John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for an invention of "improvements in the combustion of liquid fuel, and in the furnaces and apparatus employed therein."—Communicated to him from abroad by Clement Sauvage, of Paris, in the Empire of France, Engineer.—Dated 17th September, 1868.

2870. John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for an invention of "an improved mode of advertising, and improved envelopes to be used therein."—Communicated to him from abroad by Noel Auguste Sustrac, of Paris, in the Empire of France.—Dated 17th September, 1868.

2871. Robert Smith, of Compton-road, Islington, in the county of Middlesex, Shipowner, for an invention of "improvements in the means employed for preventing the fouling of iron and other ships' bottoms."—Dated 17th September, 1868.

2873. John Head, of the firm of Ransomes and Sims, of Ipswich, in the county of Suffolk, Engineers, for an invention of "improvements in constructing wire fences and in apparatus used therein."—Communicated to him from abroad by William Archibald Murray, of Waitahuna, Otago, New Zealand.—Dated 17th September, 1868.

2874. Charles Henry Hudson, of the city, county, and State of New York, United States of America, Manufacturer, for an invention of "certain improvements in washing apparatus."—Dated 18th September, 1868.