

ware-road, in the same county, Surveyor, for the invention of "improvements applicable to railway points and switch bars, and in the means of keeping the same free from obstructions."

2030. William Dykes and James Scott, both of the city of Glasgow, in the county of Lanark, North Britain, Plumbers, for the invention of "improvements in taps or valves for controlling the flow of liquids or fluids."

2031. To Wilhelm Anton Gottlieb Schönheyder, of Camden Town, in the county of Middlesex, for the invention of "a new or improved construction of piston rod and modes of and apparatus for manufacturing the same."

2032. To Thomas Elsley, of No. 32, Great Portland-street, in the county of Middlesex, for the invention of "improvements in mortice locks."

2033. To Horatio Stead, of Halifax, in the county of York, Engineer, and Bennett Appleyard, of Wakefield, in the same county, Crabber and Finisher, for the invention of "improvements in machinery or apparatus for steaming woven fabrics."

2034. To Charles Alexander Calvert, of Petersham, in the county of Surrey, for the invention of "improved means of and apparatus for signalling on railways with the aid of electricity."

2035. To Matthew Smith, of Ashton under Lyne, in the county of Lancaster, Machinist, and George Hilton Smith, of Manchester, in the same county, Machine Maker, for the invention of "improvements in the manufacture of hose pipes, and in looms for weaving the same, and for other purposes."

2036. And to Mason Gill, of Huddersfield, in the county of York, Dentist, for the invention of "a new stoppered bottle."

On their several petitions, recorded in the Office of the Commissioners on the 2nd day of June, 1875.

2037. To Herbert Hall Davis and Francis Giles Henwood, both of No. 110, Cannon-street, in the city of London, India Rubber Manufacturers, for the invention of "improvements in arranging and forming the parts and materials employed for making buffers for railway rolling stock."

2039. To Joshua Buckton and Joseph Hartley Wickstead, Mechanical Engineers, both of Leeds, in the county of York, for the invention of "improvements in multiple drills, part of such invention being also applicable to other drilling or boring machines."

2041. To William Herbert Williams, of Birmingham, in the county of Warwick, Merchant, for the invention of "a new or improved apparatus to be used in mixing or preparing the beverages called toddies and neguses, and for other like purposes."

2047. To James Proctor, of Burnley, in the county of Lancaster, Working Engineer, for the invention of "improved self acting apparatus for supplying fuel to boiler and other furnaces."

2049. And to Lyle Nelson and Isaac Edward Anderson, both of the city and State of New York, United States of America, but temporarily residing in Cecil-street, Strand, in the county of Middlesex, for the invention of "improvements in electro-magnetic motors, parts of which improvements are applicable also to other purposes."—A communication to them from abroad by Henry M. Paine and Edwin L. Paine, both of New Jersey, in the United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 3rd day of June, 1875.

#### 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 5th day of June, 1875.

1633. Thomas Beer Hawkes and Charles Joseph Freeman, both of Weymouth, in the county of Dorset, Upholsterers, Cabinet Makers, &c., for an invention of "improvements in the construction of tables to be used for billiards, dining, and other purposes."—Dated 30th May, 1872.

1634. Lorenzo George Lysons, of Gloucester, in the county of Gloucester, Captain and Adjutant First Administrative Battalion Gloucester Rifle Volunteers, and Henry Villiers Forbes, of the same place, Captain Royal Marines Light Infantry, for an invention of "improvements in the manufacture or composition of of paints or substances for covering or coating various surfaces."—Dated 30th May, 1872.

1636. Edward Keirby, of the Vine Works, Rochdale, in the county of Lancaster, India-rubber Merchant, for an invention of "improvements in machinery or apparatus for recording low water in steam boilers."—Dated 30th May, 1872.

1638. Henry Highton, M.A., of Putney, in the county of Surrey, for an invention of "improvements in galvanic batteries."—Dated 30th May, 1872.

1639. Charles Whiting, of Lewisham, in the county of Kent, Cabinet Maker, for an invention of "improvements in portable elongating dining and other tables."—Dated 30th May, 1872.

1641. Constantin Boullier, of No. 82, Boulevard Sébastopol, Paris, France, Manufacturer, for an invention of "improvements in labels for stuffs and other similar purposes."—Dated 30th May, 1872.

1642. Robert Faulkner, of No. 46, Kensington Gardens-square, in the county of Middlesex, for an invention of "improvements in the preparation of photographic and other prints for colouring."—Dated 30th May, 1872.

1645. Andrew Nicol Porteous, of Edinburgh, Engineer, and George Cadell Bruce, of Edinburgh and Glasgow, Civil Engineer, for an invention of "improvements in and applicable to lamps."—Dated 30th May, 1872.

1646. William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for an invention of "improvements in railway sleepers or cross-ties."—Communicated to him from abroad by Archibald B. Tripler, of Philadelphia, Pennsylvania, United States of America.—Dated 30th May, 1872.

1653. Norman Stewart Walker, of Liverpool, in the county of Lancaster, Merchant, for an invention for "an improved metallic bale tie or buckle."—Dated 31st May, 1872.

1654. Charles Turner, of Lenton, in the county of Nottingham, for an invention of "improvements in machinery for scudding or puring skins or hides."—Dated 31st May, 1872.

1655. William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for an invention of "improvements in kilns for burning bricks."—Communicated to him from abroad by Silas Madison Hamilton, of Baltimore, Maryland,