

3940. And to David Greig and Robert Burton, both of the Steam Plough Works, Leeds, in the county of York, Engineers, for the invention of "improvements in apparatus for actuating steam ploughs and other agricultural implements."

On their several Petitions recorded in the Office of the Commissioners on the 1st day of December, 1873.

3941. To Robert Russell, of Derby, in the county of Derby, for the invention of "improvements in stoves and kitchen ranges."

3942. To Arthur Smith, of Pera Lodge, Loughborough-road, in the county of Surrey, and Frederick Field, of the firm of J. C. and J. Field, of Upper Marsh, Lambeth, in the county of Surrey, for the invention of "improvements in the decolorizing of solid and liquid hydrocarbons and in the application of materials for that purpose."

3945. To Benjamin Haas, Junior, of 104, Boulevard Sébastopol, Paris, France, Watch and Clock Manufacturer, for the invention of "improvements in watches."

3947. To Bernard Charles Lauth, of Pittsburgh, Pennsylvania, United States of America, now of No. 8, Southampton-buildings, London, Civil Engineer, for the invention of "improvements in machinery for rolling iron and other metals,"—A communication to him from abroad by John J. Williams, of Pittsburgh aforesaid.

3948. To Edward Russell Morris, of Oakhill Park, Hampstead, in the county of Middlesex, and of Birmingham, in the county of Warwick, Engineer, for the invention of "improved pocket instruments for measuring and registering distances."

3951. To Léon Bouttier, Mechanician, and Mathurin Jean Baptiste Couhault, Merchant, of Boulevard de Strasbourg, 23, at Paris, for the invention of "improvements in shears or clips for shearing or clipping sheep."

3952. To Richard Hellyer Manning, of Murray-street, Hoxton, in the county of Middlesex, for the invention of "improvements in railway breaks."

3953. To Frederick Arthur Paget, of 1, Seymour-chambers, York-buildings, Adelphi, London, Engineer, for the invention of "improvements in the mode of and apparatus for softening and purifying water."—A communication to him from abroad by Jean Alexandre Béranger, of Vienna, Austria, Engineering Inspector of the Austrian Southern Railway.

3954. To Johan Heinrich Christopf Zanzig, of Bloomsbury, in the county of Middlesex, for the invention of "a new or improved combined garment."

3955. And to John Wyatt, of Slapton, in the county of Devon, for the invention of "improved apparatus for signalling between the different parts of railway trains, and partly applicable for opening and closing the doors of railway carriages."

On their several petitions, recorded in the Office of the Commissioners on the 2nd day of December, 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

No. 24044.

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the date of such Patents, pursuant to the Act of the 16th Vict., c. 5, sec. 2, for the week ending the 6th day of December, 1873.

3132. Charles Martin, of Chancery-lane, in the county of Middlesex, Civil Engineer, and George Owen Mew, of Charterhouse-square, in the city of London, Wine Merchant, for an invention of "improvements in the construction of ladders for general purposes, also applicable as a fire escape."—Dated 30th November, 1870.

3135. Thomas Hydes and John Emil Bennett, both of Sheffield, in the county of York, for an invention of "improvements in the construction of furnaces, for preventing or lessening smoke, and effecting more perfect combustion of the fuel employed therein."—Dated 30th November, 1870.

3137. Robert Lees, of Hyde, in the county of Chester, Engineer, for an invention of "improvements in boilers or steam generators."—Dated 30th November, 1870.

3139. Henry Larkin, of Theydon Gernon, in the county of Essex, Andrew Leighton, of No. 33, Chapel-walks, Liverpool, in the county of Lancaster, and William White, of No. 30, Thurlow-road, Hampstead, in the county of Middlesex, for an invention of "improvements in the production of iron and steel, and of oxide of iron."—Dated 30th November, 1870.

3141. Martin Tobin, of No. 4, Clayton-square, Liverpool, in the county of Lancaster, Gentleman, for an invention of "improvements in boots, shoes, and other coverings for the feet."—Dated 30th November, 1870.

3144. Richard Montgomery, of the city, county, and State of New York and United States of America, Engineer, for an invention of "improvements in the manufacture of longitudinally-corrugated beams or rails of steel or iron for railways, and for architectural and other purposes."—Dated 30th November, 1870.

3148. Thomas Wrigley, of Bury, in the county of Lancaster, Henry Bruce, of Kinleith, near Edinburgh, Paper Makers, and Carl Dietrich Julius Seitz, of Edinburgh, Consulting Chemist, for an invention of "improved method of treating wood and other similar fibrous substances, for the manufacture of half-stuff and paper."—Dated 1st December, 1870.

3149. Peter McIntyre, of Glasgow, in the county of Lanark, North Britain, Manufacturer, for an invention of "improvements in shirts."—Dated 1st December, 1870.

3151. Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for an invention of "improved machinery for cutting loaf sugar."—Communicated to him from abroad by George Henry Moller, of the city and State of New York, United States of America.—Dated 1st December, 1870.

3152. William Henry James Grout, of 19, Havering-street, Commercial-road, E., in the county of Middlesex, Engineer, for an invention of "improvements in the construction and mode of making wheels for velocipedes, carriages, and other vehicles."—Dated 1st December, 1870.

3154. Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for an invention of "improvements in revolving fire-arms."—Communicated to him from abroad by Charles John Linberg and William John Phillips, both of the city and county of St. Louis, State of Missouri, United States of America.—Dated 1st December, 1870.