

by James Alexander Punderford, of New York, United States of America.

On both their petitions, recorded in the Office of the Commissioners on the 16th day of March, 1874.

942. To James Bingham Alliot, of Radford, in the county of Nottingham, for the invention of "improvements in the construction and arrangement of engines worked by steam or other fluid pressure, which engines are also applicable as pumps for raising and forcing, or as meters for measuring fluids."

944. To William Henry Northcott, of 8, Union-court, London, in the county of Middlesex, for the invention of "improvements in steam engines."

946. To William John Warner, of the Gas Works, South Shields, in the county of Durham, for the invention of "improvements in gas meters."

948. To Thomas Hydes, and John Emil Bennett, both of Sheffield, in the county of York, for the invention of "an improved method of setting steam boilers and of arranging the flues leading from the furnaces thereof."

950. To George Dixon, of Gateshead upon Tyne, in the county of Durham, Rope Maker, for the invention of "an improved mode of and apparatus for preparing rope yarns."

954. And to Alexander Melville Clark of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in electric telegraphy and in apparatus for the same."—A communication to him from abroad by Georges d'Infreville and William Nevins Armstrong, both of the city, county, and State of New York, United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 17th day of March, 1874.

956. To Frederick Lürmann, Civil Engineer, of Osnabrück, Empire of Germany, for the invention of "improvements in brick making machines."

958. And to John Bailey, of the city of Dublin, Civil Engineer, for the invention of "improvements in apparatus for working and locking points on railways."

On both their petitions, recorded in the Office of the Commissioners on the 18th day of March, 1874.

964. To Edward Fanning Kingsley, of No. 3, Bedford-place, Russell-square, in the county of Middlesex, for the invention of "an improved telegraph."—A communication to him from abroad by Merritt Gally, of Rochester, New York State, United States of America.

968. To William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for the invention of "an improved thrust-bearing for screw-propeller shafts."—A communication to him from abroad by Cornelius Godfrey, of Huntington, New York, United States of America.

970. To Philip Liddicott, of Muswell Hill, in the county of Middlesex, for the invention of "an improved plate warmer."

974. And to Peter William Willans, of 32, Granville-park, Blackheath, in the county of Kent, for the invention of "improvements in steam engines."

On their several petition, recorded in the Office of the Commissioners on the 19th day of March, 1874.

#### 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 21st day of March, 1874.

681. Joseph Knowles Broadbent, of the city of Manchester, in the county of Lancaster, Engineer, for an invention of "improvements in instruments or gauges for measuring and indicating the pressure and vacuum or differences of pressure and the draughts or blasts of fluids."—The said invention is the result partly of a communication made to him from abroad by Bernhard August Schäffer and Christian Friedrich Budenberg, persons resident at Buckau, near Magdeburg, in the Kingdom of Prussia, and partly of invention and discovery made by him.—Dated 15th March, 1871.

682. Michael Daintry Hollins, of Stoke-upon-Trent, in the county of Stafford, Manufacturer of Tiles and Mosaic Pavements, for an invention of "improvements in the manufacture of metal plates employed for flat printing and other analogous purposes."—Dated 15th March, 1871.

683. Charles Herbert Holt, of Manchester, in the county of Lancaster, Engineer, for an invention of "improvements in steam boiler and other furnaces."—Dated 15th March, 1871.

690. Alexander Robertson, of Glasgow, in the county of Lanark, North Britain, for an invention of "improvements in applying heat or cold to the human body, and in the apparatus or means employed therefor, such apparatus being applicable as pessaries or dilators."—Dated 15th March, 1871.

693. George Allibon and William Walsh, of No. 50, Old Broad-street, E.C., for an invention of "improvements in constructing, fixing, repairing, and reinstating telegraph, signal, and other poles and posts, and apparatus to be employed therein."—Dated 15th March, 1871.

695. Peter Salmon, of 5, Mabledon-place, London, W.C., for an invention of "improvements in oil gas engines and boilers, and apparatus connected therewith."—Dated 16th March, 1871.

696. Henry Augustin Ornano Mackenzie, of 54, Broad-street, Bloomsbury, in the county of Middlesex, Civil Engineer, for an invention of "improvements in organs."—Dated 16th March, 1871.

698. Arthur Wallis and Charles James Steevens, both of Basingstoke, in the county of Southampton, Engineers and Agricultural Implement Makers, for an invention of "improvements in elevators for raising and stacking hay, straw, and other similar substances."—Dated 16th March, 1871.

699. John Millward, of Curzon-chambers, Paradise-street, Birmingham, in the county of Warwick, for an invention of "a new or improved machine for forming elbows or bends in sheet metal pipes or tubes."—Communicated to him from abroad by Charles Hoeller, of Cincinnati, Hamilton County, State of Ohio, United States of America.—Dated 16th March, 1871.

700. William Robinson, of Guide Bridge, in the county of Lancaster, for an invention of "improved apparatus for regulating the admission of the feed-water to steam boilers."—Dated 16th March, 1871.

702. Colin Mather, of the firm of Messrs. Mather and Platt, of Salford, in the county of Lancaster,