

1569. To James Ashworth, of Glasgow, in the county of Lanark, North Britain, Engineer, for the invention of "improvements in motive-power engines."

1570. And to Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for the invention of "improvements in the manufacture of explosive compounds."—A communication to him from abroad by Alfred Nobel, of Paris, France.

On their several petitions, recorded in the Office of the Commissioners on the 30th day of April, 1873.

1571. To George Wellington Rhoades, of No. 9, Ruthven-street, Broadway, South Hackney, in the county of Middlesex, Draughtsman, for the invention of "improvements in the construction and general arrangement of couplings for railway cars and other carriages, whereby the same are rendered automatic in their action.

1574. To Alexander Browne, of the firm of Browne and Company, Patent Agents, of 85, Gracechurch-street, in the city of London, for the invention of "a new or improved process and furnace for the manufacture of metallic alloys."—A communication to him from abroad by the Foundries and Forges Company, of Terre Noire La Voulte and Besseges, in the French Republic.

1576. To Thomas Cullen, of York-grove, Queen's-road, Peckham, in the county of Surrey, Gentleman, for the invention of "improved apparatus for lowering and releasing or detaching ships' boats, and for raising and stowing the same on board ship."

1577. To Wilfrid Clegg, of Hulme, in the city of Manchester, Machinist, for the invention of "improvements in machinery for etching and engraving cylindrical and other surfaces."

1578. And to Peter Ormerod Whitehead, of Belmont, Rawtenstall, in the county of Lancaster, Engineer, for the invention of "improvements in apparatus for damping warps."

On their several petitions, recorded in the Office of the Commissioners on the 1st day of May, 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 the date of such Patents, pursuant to the Act of the 16th Vic., c. 5, sec. 2, for the week ending the 3rd day of May, 1873.

1210. Henry Atkinson, of Wharf-road, City-road, in the county of Middlesex, for an invention of "improvements in breech-loading needle guns."—Communicated to him from abroad by Carl Anthony Klintberg, a foreigner residing at Stockholm, in the Kingdom of Sweden.—Dated 27th April, 1870.

1211. Walter Hart, of Norwich, in the county of Norfolk, Boot Maker, for an invention of "improvements in the manufacture of heels for boots and shoes."—Dated 27th April, 1870.

1213. Francis Joseph Ortner, of 73, Great Titchfield-street, Portland-place, in the county of Middlesex, Pewterer and Beer Engine Manufacturer, for an invention of "improvements in the arrangement of pipes for drawing liquids from casks and other vessels."—Dated 27th April, 1870.

1218. John Underwood, of 5, Archway-road, Highgate, in the county of Middlesex, Manu-

facturer, for an invention of "improvements in means of stopping or closing the necks, mouths, or openings of bottles, jars, and other similar vessels."—Dated 27th April, 1870.

1219. William Robert Lake, of the "International Patent Office," Southampton-buildings, London, Consulting Engineer, for an invention of "an improved process for cleaning wool or hair."—Communicated to him from abroad by Charles F. A. Simonin, of Philadelphia, Pennsylvania, and Edward W. Coffin, of Glendale, New Jersey, both in the United States of America.—Dated 27th April, 1870.

1221. William Germain, of Brighton, in the county of Sussex, Jeweller, for an invention of "an improvement in, or an addition to, earrings."—Dated 28th April, 1870.

1222. William John Blinkhorn, of St. Helen's, in the county of Lancaster, Soap and Patent Candle Manufacturer, for an invention of "an improved spool for lock stitch sewing machines."—Dated 28th April, 1870.

1225. Richard Bruno Hamel and James Brower Holden, of Jersey City, State of New Jersey, U.S. of America, for an invention of "improvements in mechanism for transmitting power and increasing the effectiveness of the same."—Dated 28th April, 1870.

1227. Charles William Alden, of Charlestown, of the State of Massachusetts, of the United States of America, for an invention of "certain new and useful improvements in pipe wrenches."—The said invention is a communication to him by one Daniel Chapman Stillson, a person resident at Charlestown aforesaid.—Dated 28th April, 1870.

1229. Thomas Thorpe, of Manchester, in the county of Lancaster, for an invention of "improvements in the manufacture of piled fabrics."—Dated 29th April, 1870.

1232. Ernest Wentworth Buller, of Hanley, in the county of Stafford, Earthenware Manufacturer, for an invention of "improvements in attaching door and other knobs and handles to spindles, and in the manufacture of door and other knobs and handles, parts of which improvements may be applied to the manufacture of the terminal ornaments of metallic furniture and other articles."—Dated 29th April, 1870.

1234. Henry Edward Curtis, of Llansantffraid, near Corwen, North Wales, Engineer, for an invention of "improved machinery for cutting slate, marble, and other like materials."—Dated 29th April, 1870.

1235. Robert Hanham Collyer, of Lille, in the Empire of France, Doctor of Medicine, for an invention of "improvements in machinery for breaking, softening, and preparing flax and other fibrous materials."—Dated 29th April, 1870.

1236. William Sketchley, of the New Bridge Inn, Commercial-road, in the parish of Melcombe Regis, in the county of Dorset, Wood Cutting Engineer, for the invention of "improvements in screw propellers."—Dated 30th April, 1870.

1239. Arthur Charles Henderson, of No. 31, Charing Cross, in the county of Middlesex, Patent Agent, for an invention of "improvements in apparatus for breaking and crushing stones, for use in macadamizing roads, for railway ballast, for employment in the manufacture of 'béton' or French concretion or mortar, and for producing sand or gravel of various degrees of coarseness."—Communicated to him from abroad by Claude Leon Desmolins, of Avallon, in the French Empire, Notary.—Dated 30th April, 1870.