

426. To George Brown, of Holbeck, near Leeds, in the county of York, Engineer, for the invention of "an improved and permanent shoe for horses and other animals."

430. To James Taylor, Gas Manager, Samuel Buckley, Engineer, and Thomas Henry Chadwick, Gas Collector, all of Oldham, in the county of Lancaster, for the invention of "improvements in machinery or apparatus for drawing and charging retorts used in the manufacture of illuminating gas."

432. And to Joseph Early, of 25, New-row West, in the city of Dublin, Commercial Traveller, for the invention of "improvements in the mode of enumerating passengers in tramway and other cars."

On their several petitions recorded in the Office of the Commissioners on the 5th day of February, 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 8th day of February, 1873.

305. William Robert Lake, of the "International Patent Office," Southampton-buildings, London, Consulting Engineer, for an invention of "an improved automatic apparatus for producing carbonic acid for the manufacture of effervescing or gaseous liquids, and for the application of such liquids to various purposes."—Communicated to him from abroad by Anet Jacques Nadaud, of Paris, in the Empire of France.—Dated 2nd February, 1870.

306. Charles Kinzler and Adam Keppler, both of the city of New York, in the United States of America, Engineers, for an invention of "improvements in propellers."—Dated 2nd February, 1870.

309. William Robert Lake, of the "International Patent Office," Southampton-buildings, London, Consulting Engineer, for an invention of "an improved mode of, and apparatus for, revivifying animal charcoal."—Communicated to him from abroad by Doctor Herrmann Eipfeldt, of Solingen, and Camillo Thumb, of Sudenburg, both in the Kingdom of Prussia.—Dated 2nd February, 1870.

310. Alfred William Theophilus Baker, of No. 98, Lichfield-street, Birmingham, and also of No. 183, Tottenham-court-road, London, Commercial Traveller, for an invention of "improvements in nails for coffins, articles of furniture, and other uses."—Dated 2nd February, 1870.

313. Charles Gordon, of Goswell-road, in the county of Middlesex, Distiller, for an invention of "improvements in the construction of breech-loading fire-arms."—Dated 3rd February, 1870.

316. James Davenport, senior, of Pittenween, in the county of Fife, North Britain, Farmer, for an invention of "a new or improved riddle, specially adapted for cleansing and assorting potatoes."—Dated 3rd February, 1870.

317. Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for an invention of "improvements in treating iron."—Communicated to him from abroad by William Fields, of Wilmington, in the State of Delaware, and Jonathan Manning Roberts, of Burlington, in the State of New Jersey, United States of America.—Dated 3rd February, 1870.

319. William Robert Lake, of the "International Patent Office," Southampton-buildings, London, Consulting Engineer, for an invention of "an improved friction clutch."—Communicated to him from abroad by Francis Ashbury Pratt and Samuel Coit, both of Hartford, Connecticut, United States of America.—Dated 3rd February, 1870.

320. William Robert Lake, of the "International Patent Office," Southampton-buildings, London, Consulting Engineer, for an invention of "improvements in spring bed bottoms."—Communicated to him from abroad by Robert Barker, Stephen Albro Barker, and Louis Fisher, all of Providence, Rhode Island, United States of America.—Dated 3rd February, 1870.

321. William Robert Lake, of the "International Patent Office," Southampton-buildings, London, Consulting Engineer, for an invention of "improvements in machines for mowing grass."—Communicated to him from abroad by William Sprague, of South Kingston, Rhode Island, United States of America.—Dated 3rd February, 1870.

326. Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for an invention of "improvements in the construction of knitting machines."—Communicated to him from abroad by Henry Von Hartz and Julius Feiss, of Cleveland, State of Ohio, United States of America.—Dated 4th February, 1870.

328. Alexandre LeBrun-Virloy, of Paris, No. 23, Boulevard de Strasbourg, Civil Engineer, for an invention of "improvements in treating iron ores, and in the furnaces or ovens employed for such purposes."—Dated 4th February, 1870.

330. Thomas James Smith, of the firm of Robertson, Brooman, and Company, of 166, Fleet-street, in the city of London, Patent Agents, for an invention of "improvements in the manufacture of chairs and other seats."—Communicated to him from abroad by Wilhelm Walcker, of 23, Boulevard de Strasbourg, Paris. Dated 4th February, 1870.

332. George Edward Harding, of the city and State of New York, United States of America, now of No. 96, Newgate street, in the city of London, Civil Engineer, for an invention of "an improved device for imparting to toothed wheels and racks, and to mechanism connected therewith, a variable reciprocating motion."—Dated 5th February, 1870.

333. George Holmes and Joseph Winterton, both of the town and county of the town of Nottingham, Glove Manufacturers, for an invention of "improvements in the manufacture or production of gloves."—Dated 5th February, 1870.

337. Henry Gardner, Engineer, of Essex-road, Islington, in the county of Middlesex, for an invention of "improvements in machinery for preparing flax and other fibrous materials for manufacturing purposes, but specially adapted for the preparation of the grass known as crin."—Dated 5th February, 1870.

340. Heinrich Witthöft, of Copenhagen, in the Kingdom of Denmark, for an invention of "improvements in gas burners."—Dated 5th February, 1870.

341. Francis Sangster, of Dacre Park, Lee, in the county of Kent, for an invention of "improvements in parasols and umbrellas."—Dated 5th February, 1870.

343. George Tooley Tietjen, of No. 13, Carlton-road, Kentish Town, in the county of Middlesex, for an invention of "an improved method of adjusting the bodies and shafts, or