

4333. To Albert King, of the city and county of Bristol; for the invention of "improvements in the construction of internal stoppers for bottles containing aerated or gaseous liquids, and a new or improved mode of stoppering and unstoppering same."

4335. To William Craven, of the Vauxhall Iron Works, Manchester, in the county of Lancaster, and Carl Bollé, of Manchester aforesaid; Engineers, for the invention of "improvements in machinery for sawing and cutting metal."

4337. To Alfred Count von Kropatschek, of Vienna, in the Empire of Austria, for the invention of "improvements in repeating fire arms."

4341. To Ludwig Mond, of Northwich, in the county of Chester, Manufacturing Chemist, for the invention of "improvements in the manufacture of carbonates of soda."

4343. And to William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London; for the invention of "improvements in compounds for surfacing textile and other fabrics, and in fabrics produced by the combination of the same with textile or other substances; which compounds are also designed for use as a substitute for wood and other materials, in the production of moulded articles for ornamental and other purposes."—A communication to him from abroad by William Bell, of the city and State of New York, United States of America.

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

4345. To Herbert William Hart, of 1, Great Winchester-street-buildings, in the city of London, Engineer, for the invention of "improvements in apparatus for fastening and unfastening the doors of railway carriages, and for indicating in the carriages the names of the stations."

4349. To Norman Outhwaite, of Croydon, in the county of Surrey, Engineer, for the invention of "improvements in the construction of steam engines."

4351. To John Henry Walsh, of Putney, in the county of Surrey, Gentleman, for the invention of "improvements in tricycle-velocipedes."

4353. To Samuel Rowbottom, of Glossop, in the county of Derby, for the invention of "improvements in cotton bands used in machinery for spinning and doubling worsted, cotton, or other fibrous substances, and in the manner of connecting the same."

4355. And to Martin Murphy, of Liverpool, in the county of Lancaster, Analytical and Consulting Chemist, for the invention of "an improved method of treating curried or dressed leather cuttings and waste so as to obtain valuable products."

On their several petitions, recorded in the Office of the Commissioners on the 17th day of December, 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 19th day of December, 1874.

3367. Joseph Bray, of Ashton-under-Lyne, in the county of Lancaster, Brassfounder, for an

invention of "improvements in apparatus for measuring water and other fluids."—Dated 13th December, 1871.

3371. Edward Charles Vickers, of Compton-street, Clerkenwell, in the county of Middlesex, Hat Manufacturer, for an invention of "improvements in the preparation of cotton pulp to be used as a substitute for leather."—Dated 13th December, 1871.

3372. Franklin Hocking and John Pinker, both of Liverpool, in the county of Lancaster, Engineers, for an invention of "a new or improved slide valve."—Dated 13th December, 1871.

3378. Alfred Barrett, of Reading, in the county of Berks, Engineer, for an invention of "improvements in croquet stands, applicable also to receptacles for implements used in other games."—Dated 13th December, 1871.

3381. William Henry Oates, of Manchester, in the county of Lancaster, Overlooker, and Richard Jones, of the same place, Clerk, for an invention of "improvements in carding engines."—Dated 14th December, 1871.

3383. George Henry Ellis, of No. 20, High Holborn, in the county of Middlesex, Engineer, for an invention of "improvements in asphalté roads, ways, and floors."—Dated 14th December, 1871.

3387. Anjel Vazquez and Just Edmund Rosenberg, both of Santiago, Chili, but at present of 172, Fleet-street, in the city of London, for an invention of "a new or improved mode of preserving meat, poultry, game, and fish."—Dated 14th December, 1871.

3389. Francis Selfe, of the city of Worcester, in the county of Worcestershire, Watch Maker and Jeweller, for an invention of "improvements in safety fastenings, particularly applicable to articles of jewellery."—Dated 14th December, 1871.

3392. Henry Woodcroft Hammond, of 27, Southampton-buildings, Chancery-lane, in the county of Middlesex, Civil Engineer, for an invention of "a new moveable stamp."—Communicated to him from abroad by Francis Henri Jullien, resident at Laecken-lez-Bruxelles, in Belgium.—Dated 14th December, 1871.

3393. George Prince, of Birmingham, in the county of Warwick, Perambulator Maker, for an invention of "improvements in perambulators."—Dated 14th December, 1871.

3396. Charles Weightman Harrison, of South Kensington, in the county of Middlesex, Gentleman, for an invention of "improvements in gas burners."—Dated 14th December, 1871.

3398. John Fender, of Arlington-street, in the county of Middlesex, Esquire, and Martin Rae, of Uphall, in the county of Linlithgow, North Britain, for an invention of "improvements in the manufacture of artificial asphalté."—Dated 15th December, 1871.

3406. John Box, of Newton House, Newton-road, in the county of Middlesex, Civil Engineer, for an invention of "a new or improved machine for compressing dust coal."—Communicated to him from abroad by Severin Surowiez, of 47, Rue d'Angoulême, in the city of Paris.—Dated 15th December, 1871.

3411. Evan Leigh, of the city of Manchester, in the county of Lancaster, Mechanical Engineer, for an invention of "improvements in the construction of harbours, breakwaters, and floating docks for railway ferries, or other purposes."—Dated 16th December, 1871.

3412. John Wilkinson the younger, of Leeds, in the county of York, Carpet Manufacturer, for an invention of "an improved mode of manu-