

bottles, and in modes of purifying and protecting the same, which modes of cleansing are applicable to other similar articles."

On their several petitions, recorded in the Office of the Commissioners on the 15th day of July, 1875.

2549. To George Keel, of Birmingham, in the county of Warwick, Hatter, and John Cheshire, also of Birmingham aforesaid, Corkscrew Manufacturer, for the invention of "certain improvements in skates for skating on artificial ice or other plain surfaces."

2555. And to Robert Taylor Heape, junior, of Rochdale, in the county of Lancaster, Manufacturer, for the invention of "improvements in carding engines."

On both their petitions, recorded in the Office of the Commissioners on the 16th day of July, 1875.

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 17th day of July, 1875.

2089. George Daniel Davis, of 16, Woodstock-road, Poplar, in the county of Middlesex, and Thomas Hopcraft, of 1, Mincing-lane, in the city of London, for an invention of "improvements in machinery for working rudders."—Dated 11th July, 1872.
2090. James Chandler, of 17, Cottage-grove, Mile End-road, in the county of Middlesex, Engineer, for an invention of "improvements in bath and other apparatus for the control of water and preventing waste thereof."—Dated 11th July, 1872.
2092. Matthew Andrew Muir and James McIlwham, both of Glasgow, in the county of Lanark, North Britain, Machinists, for an invention of "improved appliances in connection with rotating shuttle boxes of looms."—Dated 11th July, 1872.
2094. Alexandre François Lagrange, of No. 8, Rue de la Fidélite, Paris, in the Republic of France, Civil Engineer, for an invention of "improvements in typographic presses, also applicable to lithography, autography, and metallography."—Dated 11th July, 1872.
2096. William George Beattie, of Nine Elms, in the county of Surrey, Engineer, for an invention of "improvements in axle-boxes."—Dated 11th July, 1872.
2098. William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for an invention of "improvements in shirts."—The said invention has been communicated to him from abroad by Oliver Hildreth Keep, of the city and State of New York, United States of America.—Dated 11th July, 1872.
2099. William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for an invention of "improvements in ties or fastenings for securing bales of cotton and other merchandize."—From abroad by James Edward Aiken, of New Orleans, Louisiana, and Charles Swett, of Copiah, county Mississippi, both in the United States of America.—Dated 11th July, 1872.
2101. William Henry Bennett, of 42, Parliament-street, in the city of Westminster, Patent Agent,

for an invention of "improvements in apparatus for lighting and extinguishing public and other gas lamps or lights."—Communicated to him from abroad by Alexander Fairlie Wilson, Gas Engineer, of Belem, Para, North Brazil.—Dated 12th July, 1872.

2102. Donald Glass, of 128, High-street, White-chapel, in the county of Middlesex, and Daniel Hopkin, of 4, Phoenix-place, Coldbath Fields, in the county of Middlesex, Coachsmith, for an invention of "improvements in the construction of Hansom cabs, or that class of vehicle on two wheels, where the driver sits behind the passengers."—Dated 12th July, 1872.
2105. James Salmon, and John Brownhill, both of the city of Manchester, Engineers, for an invention of "improvements in machinery for bronzing or otherwise ornamenting paper and other materials."—Dated 12th July, 1872.
2106. Edward Thornhill Simpson, of Thornhill House, Walton, near Wakefield, in the county of York, Soap Maker, and Frederick Hurd, of Grove House, Walton aforesaid, Engineer, for an invention of "a portable air compressor worked by animal or manual power."—Dated 12th July, 1872.
2107. George de Lara and Viscount Mark de Salomos, of 154, Fleet-street, in the city of London, for an invention of "an improvement in the manufacture of diaries and other works where blotting paper is used for interleaving purposes."—Dated 12th July, 1872.
2108. George Smith, of Cambridge Lodge, Brentford-road, in the county of Middlesex, for an invention of "improvements in apparatus and means to be used when drawing off wine, beer, and other liquids."—Dated 12th July, 1872.
2112. William Stansfield Sutcliffe, Builder, of Shepperton, in the county of Middlesex, for an invention of "improvements in shutters, metal or wood doors, sashes, windows, metal curtains, or covers, and blinds."—Dated 13th July, 1872.
2114. George Campion, of Ramsey, in the county of Huntingdon, Ironmonger, for an invention of "improvements in reaping and mowing machines."—Dated 13th July, 1872.
2115. John Garrett Tongue, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton-buildings, Chancery-lane, in the county of Middlesex, for an invention of "improvements in the production of fertilizing materials or manures, and in the means and apparatus employed in the manufacture of the same, partly applicable to other purposes."—Communicated to him from abroad by Hascal Alfred Hogel, of the city, county, and State of New York, and Hobart Baldwin Bigelow, of the city and county of New Haven, and State of Connecticut, United States of America.—Dated 13th July, 1872.
2116. William Wallace Bartle, of Birmingham, in the county of Warwick, Mechanical Engineer, for an invention of "improvements in tew irons for forges, hearths, or other similar uses."—From abroad by William Bartle, of Valencia, in the Kingdom of Spain, Mechanical Engineer.—Dated 13th July, 1872.
2119. William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for an invention of "an improved gypsum cement."—From abroad by Emil Friedrich August Schott, of Seesen, Germany, Chemist.—Dated 13th July, 1872.
2120. William Burrows, of Smithfield Iron Works, Leeds, in the county of York, for an invention of "improvements in chopping or mincing machines."—Dated 13th July, 1872.