

4116. And Joseph Underhill, of Rifle Hill Works, Aston New Town, Birmingham, in the county of Warwick, has given the like notice in respect of the invention of "improvements in the manufacture of butt hinges."

4124. And Henry Handyside, of Saint John's Wood, in the county of Middlesex, Engineer, has given the like notice in respect of the invention of "improvements in railway rolling stock."

As set forth in their respective petitions, both recorded in the said office on the 15th day of December, 1873.

4130. To John Phillips, of Hammersmith, in the county of Middlesex, Civil Engineer, has given the like notice in respect of the invention of "improvements in pipe joints."

As set forth in his petition, recorded in the said office on the 16th day of December, 1873.

4142. And James Taylor, of Middlesborough-on-Tees, in the county of York, has given the like notice in respect of the invention of "improvements in the construction of passenger ships."

4147. And John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, has given the like notice in respect of the invention of "improvements in apparatus for obtaining motive power."—A communication to him from abroad by François Benjamin Carto, of Paris, in the Republic of France.

As set forth in their respective petitions, both recorded in the said office on the 17th day of December, 1873.

4160. And the Reverend Granville Hamilton Forbes, of Broughton Rectory, in the county of Northampton, Clerk in Holy Orders, has given the like notice in respect of the invention of "improvements in the manufacture of gas and quick-lime."

As set forth in his petition, recorded in the said office on the 18th day of December, 1873.

4183. And Edwin Whitworth, of Ingoldmells, in the county of Lincoln, has given the like notice in respect of the invention of "improvements in reaping machines, and in apparatus for making up cut crops into sheaves."

4185. And William Welch, of Salford, in the county of Lancaster, Mechanic, has given the like notice in respect of the invention of "improvements in metallic bedsteads, also applicable to the frame work of spring mattresses."

4186. And William Goulton, of Sutton-on-Trent, in the county of Nottingham, Seed Crusher, has given the like notice in respect of the invention of "improvements in the manufacture of wrappers or envelopes for presses."

As set forth in their respective petitions, all recorded in the said office on the 19th day of December, 1873.

4188. And Walter Yates, of Manchester, in the county of Lancaster, has given the like notice in respect of the invention of "improvements in the construction of shoes for horses and other animals."

4189. And William Esplen, of Liverpool, in the county of Lancaster, Engineer, has given the like notice in respect of the invention of "the utilization of steam from the deck engines of ships and apparatus employed therein."

4190. And James Scott, of Glasgow, in the county of Lanark, North Britain, has given the like notice in respect of the invention "an improved hydraulic lift for ships."

4192. And William Winstanley Strode, James Mackenzie, and Edward Philip Williams, all of

the firm of Strode and Company, Gas Fitters and Engineers, of 19, Osnaburgh-street, Regent's Park, in the county of Middlesex, have given the like notice in respect of the invention of "improvements in gas stoves, to be named the Cambridge gas stove."—A communication to them from abroad by the Revd. David Haskins, of Boston, Massachusetts, United States of America.

4196. And Edouard George Peter Thomas, of the Star Chemical Works, Brentford, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in the manufacture of printing ink."—A communication to him from abroad by Jules Persoz, of 28, Rue des Ecoles, Paris, Chemist, and Auguste Jeannolle, of Levallois-Perret, near Paris, Dyer.

As set forth in their respective petitions, all recorded in the said office, on the 20th day of December, 1873.

4213. And Henry Defries, of the firm of Jonas Defries and Sons, of 147, Houndsditch, in the county of Middlesex, has given the like notice in respect of the invention of "an improved process of manufacturing chimneys for the lamps of lighthouses."—A communication to him from abroad by Messrs. O. Schulzer and Co., of Rauscha, Silesia, Prussia.

As set forth in his petition, recorded in the said office on the 23rd day of December, 1873.

4233. And Matthew Mirfield, of Holme-lane, near Bradford, in the county of York, Worsted Top Maker, and John Scott, of Holme-lane aforesaid, Manager, have given the like notice in respect of the invention of "improvements in machinery for combing wool and other fibres."

4237. And Michael Henry, of Fleet-chambers, 68, Fleet-street, in the city of London, Patent Agent, has given the like notice in respect of the invention of "improvements in the manufacture of boxes, cases, or receptacles especially applicable for holding edible substances, and in apparatus employed in such manufacture."—A communication to him from abroad by La Société E. Peltier et A. Paillard, of 17, Boulevard Saint Martin, Paris, France.

4239. And James Stead Crosland, of the city of Manchester, in the county of Lancaster, Engineer, has given the like notice in respect of the invention of "improvements in arrangements for economising fuel and consuming smoke in steam boiler and other furnaces."

As set forth in their respective petitions, all recorded in the said office on the 24th day of December, 1873.

4243. And Thomas Gardner, of Saint Helen's, in the county of Lancaster, Draughtsman, has given the like notice in respect of the invention of "improvements in miners' safety lamps."

4244. And Thomas Singleton, of Over Darwen, in the county of Lancaster, Gentleman, has given the like notice in respect of the invention of "improvements in machinery or apparatus used in the preparation of yarns and in the manufacture thereof into textile fabrics."

As set forth in their respective petitions, both recorded in the said office on the 26th day of December, 1873.

4249. And Edward Perrett, of No. 6, Great George-street, Westminster, in the county of Middlesex, Civil Engineer, has given the like notice in respect of the invention of "improvements in floating swimming baths, and in supplying water to the same."