Frankfort on the Main, Prussia.—Dated 3rd

April, 1873.

1247. John Witherden Hurst, of Peckham, in the county of Surrey, Master Mariner, for an invention of "improvements in life belts."-Dated 4th April, 1873. 1249. James Stead Crosland, of the city of Man-

chester, in the county of Lancaster, Engineer, for an invention of "improvements in steam boilers or generators."—Dated 4th April, 1873.

1250. George Haseltine, of the "International Patent Office," Southampton-buildings, London, Doctor of Laws, for an invention of "improvements in elevating apparatus."-The said invention has been communicated to him from abroad by Charles Du Bois, of Fishkill Landing, New York, United States of America, Civil Engineer.—Dated 4th April, 1873.

1251. John Robert Harper, of Clerkenwell, in the county of Middlesex, for an invention of "improvements in gas lamp blow-pipe apparatus, part of such improvements being applicable to other oil and spirit lamps."—Dated 4th April,

1261. Robert Stone, of Liverpool, in the county of Lancaster, for an invention of "an improved composition to be used for making, laying, or surfacing roadways, footways, and other similar surfaces, rendering them safe and slipless."-Dated 4th April, 1873.

1263. George Pashley, of Sheffield, in the county of York, for an invention of "improvements in

valves."—Dated 4th April, 1873.

1266. Fenner Ballou Taylor, of 10, Newtonterrace, Westbourne-grove, in the county of Middlesex, for an invention of "improvements in sewing machines."—Dated 4th April,

1267. Simon Davey, Manufacturer of Safety Fuse, and James Watson, Civil Engineer, both of Rouen, France, for an invention of "improvements in safety lighters and apparatus for igniting charges for blasting purposes."-Dated 5th April, 1873.

1270. Lionel Weber, of 104, Rue Royale, Place de Congrès, in the city of Brussels, Belgium, for an invention of "improvements in galvanic

batteries."—Dated 5th April, 1873.

1271. Henry Hobson, of Workington, in the county of Cumberland, Manager, for the invention of "improvements in the method of and in apparatue for ascertaining the temperature of hot blast or of heated gases, partly applicable to pyrometers otherwise used."—Dated 5th April, 1873.

1272. Sam Mendel, of Manchester, in the county of Lancaster, Merchant, for an invention of "improvements in the manufacture of woven

fabrics."-Dated 5th March, 1873.

1275. Albion Andrews, of Crewkerne, in the county of Somerset, for an invention of "improvements in the construction of elevators for stacking hay, corn, and other agricultural pro-

duce."-Dated 7th April, 1873.

1276. Joe Green Hey, of Hartshead Moor, Cleckheaton, in the county of York, India Rubber Manufacturer, and Richard Sugden, of Brig-house, in the county aforesaid, Corn Miller, for an invention of "improved means or apparatus for treating and utilizing gas tar for heating purposes."—Dated 7th April, 1873.

1278. James Henderson, of Leith, in the county of Edinburgh, North Britain, Engineer, for an invention of "improvements in the construction of steam ships and other ships or vessels.".

Dated 7th April, 1873.

from abroad by Camozzi and Schlösser, of 1280. Edmund Edwards, of 38, Southamptonbuildings, Chancery-lane, in the county of Middlesex, Engineer and Patent Agent, for an invention of "improvements in apparatus for drilling holes in rocks and other hard substances."—Dated 7th April, 1873.
1281. George Leach, of Leeds, in the county of

York, Engineer, for an invention of "improvements in the construction and arrangement of winding gear or apparatus for hauling, lifting, and winding."—Dated 7th April, 1873.

1283. William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for an invention of "improvements in sewing machines."-From abroad by John Henry Mooney and Charles Cook Carnstock, both of Providence, Rhode Island, United States of America. - Dated 7th April, 1873.

1284. Harry Holscher Bennett, of the Patent Carriage and Harness Works, 131, St. Clements, Ipswich, for an invention of "improvements in the seats and driving boxes of carriages and other vehicles."—Dated 8th April, 1873.

1289. James Edwards Wilson, of Bromley, in the

county of Kent, Civil Engineer, for an invention of "an improved mode or system of constructing and propelling vessels."—Dated 8th April, 1873.

1290. James Edwards Wilson, of Bromley, in the county of Kent, Civil Engineer, for an invention of "improvements in machinery for cutting

wood."-Dated 8th April, 1873.

1291. Charles Edwin Curtis, of the firm of Edwin Kesterton and Company, of Nos. 93 and 94, Long-acre, in the county of Middlesex, Carriage Builders, for an invention of "improvements in carriages with front bowed or other 'shaped' front lights."-Dated 8th April, 1873.

1293. John Henry Johnson, of 47, Lincoln's-innfields, in the county of Middlesex, Gentleman, for an invention of "improvements in metallic heels for boots and shoes, and in the mode of attaching the same."—To him from abroad by Louis Désiré Jeandron-Ferry, of Paris, in the Republic of France.—Dated 8th April, 1873.

1295. William Carron, of Birmingham, in the county of Warwick, Machinist, for an invention of "improvements in fastenings for broaches, sleeve links, and other articles of jewellery, ornament, and dress."-Dated 8th April, 1873.

1296. Arthur Keen, of Edgbaston, in the county of Warwick, Engineer, for an invention of "improvements in machinery for the manufacture of

screws."-Dated 8th April, 1873.

1297. Frederic Eliot Duckham and George Raymond Birt, both of Millwall, in the county of Middlesex, for an invention of "improvements in grain and other clevators."-Dated 8th

April, 1873. 1298. William Shaw, of Hollister, Monterey county, State of California, in the United States of America, for an invention of "improvements in the mechanical construction of printing types and in the tools employed for correcting typical

errors."—Dated 8th April, 1873.

1299. William Edward Gedge, of No. 11, Wellington-street, Strand, in the county of Middlesex, Patent Agent, for an invention of "an improved process of removing grease in the manufacture of tinplates or terne-plates and improved apparatus in connection therewith."-Communicated to him from abroad by Jules Trottier, of No. 64, Faubourg St. Martin, Paris, France.—Dated 8th April, 1873.