carrying, securing, putting out, and releasing ships' boats."

As set forth in his petition, recorded in the said office on the 13th day of January, 1877.

198. And Samuel Joseph Mackie, Camille Alphonse Faure, and George Trench, all of Faversham, in the county of Kent, have given the like notice in respect of the invention of "improvements in detonators, and in machinery or apparatus for the manufacture of the same.

As set forth in their petition, recorded in the said office on the 15th day of January, 1877.

218. And Henry Law, Civil Engineer, of No. 18' Adam-street, Adelphi, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in stop-valves actuated by revolving spindles."

221. And Frederick George Jordan, of Heath

Cottage, Newmarket, in the county of Cambridge, Architect and Builder, has given the like notice in respect of the invention of "improvements in apparatus employed in building in concrete any class or style of wall or work, and finishing the same."

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

January, 1877.

237. And Félicité Noëmi Thurel, of Orgelet, in the Republic of France, but temporarily of 4, South-street, Finsbury, in the county of Mid-dlesex, has given the like notice in respect of the invention of "an improved apparatus applicable to the eyes for curative and protective purposes."

As set forth in his petition, recorded in the said office on the 18th day of January, 1877.

246. And Herbert John Haddan, of the firm of Herbert and Company, Patent Agents, of 67, Strand, in the city of Westminster, Civil Engineer, has given the like notice in respect of the invention of "improvements in machinery for spreading manure, sand, gravel, and similar substances."-A communication to him from abroad by Alexandre Gandrille, of Outarville Loiret, in the Republic of France.

247. And Alfred George Speight, of 207, Cityroad, in the county of Middlesex, Manufacturer, has given the like notice in respect of the invention of "improvements in the manufacture of barrels, boxes, canisters, cartridges, and other

similar articles.

248. And William Davis, of the firm of Davis and Wilson, Whip and Whip Mount Manufacturers, of Birmingham, in the county of Warwick, have given the like notice in respect of the invention of "certain improvements in whip holders and sockets.

255. And James Palmer, of Stamber Mills, Stourbridge, in the county of Worcester, Foreman of Works, has given the like notice in respect of the invention of "improvements in the manufacture of forks, spades, shovels, and the like

257. And Moritz Löb, of the firm Nathan Löb and Söhne, at Berlin, Kingdom of Prussia, Empire of Germany, has given the like notice in respect of the invention of " a new or improved cutting out attachment applicable to the 'Bonnaz' embroidering machine, so as to embroider and cut out simultaneously."

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

January, 1877.

of "improvements in the mode and means of | 263. And Jules Houzeau, of Reims, Marne, Chemist, Eugène Devedeix, of Reims, Marne, Engineer, and Jonathan Holden, Manufacturer, of Reims, France, have given the like notice in respect of the invention of "a new method of purifying town sewage and waters previously used in industries."

271. And John Keats, of Wood Green, in the county of Middlesex, Mechanical Engineer, has given the like notice in respect of the invention of "improvements in sewing machines. - The result partly of a communication to him from abroad by George Greenwood, of Leeds, but now residing at New York, United States of America, and partly of invention and discovery

made by himself.

272. And Roger William Wallace, of the Chemical Works, New-road, Battersea Park, in the county of Surrey, Manufacturing Chemist, and Carl Friedrich Claus, of Great St. Helen's, in the city of London, Consulting Chemist, have given the like notice in respect of the invention of "improvements in the purification of gas and the utilisation of bye-products by the manufacture of secondary products therefrom."

As set forth in their respective petitions, all recorded in the said Office, on the 20th day of

January, 1877.

282. And Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, has given the like notice in respect of the invention of "improvements in pots for making decoctions and infusions."—A communication to him from abroad by John Cromwell, of Crauford, in the State of New Jersey, United States of America. As set forth in his petition, recorded in the said office on the 22nd day of January, 1877.

292. And Charles Osborne Ellis and Edward William Wilkinson, trading as Charles Osborne and Company, of Birmingham, in the county of Warwick, Gun Manufacturers, have given the like notice in respect of the invention of "improvements in breech-loading small-arms."

As set forth in their petition, recorded in the said office on the 23rd day of January, 1877.

315. And Hector Auguste Dufrené, of No. 10, Rue de la Fidélité, Paris, and 4, South-street, Finsbury, London, Civil Engineer and Patent Agent, has given the like notice in respect of the invention of "improvements in burners for mineral and other oil vapour and gas."-A communication from Messieurs Morisot et Folliot, persons resident at No. 14, Quai d'Orsay, Paris, in the Republic of France.

As set forth in his petition, recorded in the said office on the 25th day of January, 1877.

418. And John Isaac Thornycroft, of the firm of John I. Thorncroft and Co., Steam Yacht and Launch Builders, of Church Wharf, Chiswick, in the county of Middlesex, has given the like notice in respect of the invention of "an improved method of reducing the friction of vessels when travelling on the water."

As set forth in his petition, recorded in the said office on the 31st day of January, 1877.

506. And William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, has given the like notice in respect of the invention of "improvements in paddle-wheels."-A communication to him from abroad by William Campbell Thompson, of Tipton, Tennessee, United States of America

As set forth in his petition, recorded in the said office on the 6th day of February, 1877.