or cooling apparatus for the preservation of meat and other perishable substances and for other purposes.'

As set forth in their respective petitions, both recorded in the said office on the 14th day

of March, 1876.

1111. And Francis George Bone, of Bermondsey. in the county of Surrey, Boiler Maker, has given the like notice in respect of the invention "improvements in steam boilers."

1118. And John Brown, Dyer and Finisher of Fuscians, William Dean, Overlooker, and Arthur Orrah, all of Huddersfield, in the county of York, have given the like notice in respect of the invention of "improved apparatus for cutting cotton, woollen, silk, or other pile fabrics."

1119. And John Colborne, Major Honble., and Thomas Clement Belmore St George, Captain, both of Coleman-street, in the city of London, have given the notice in respect of the invention of "an improved construction of engine for obtaining and applying motive power."

1120. And David Williams, John Jenkins, John Jones, and David Thomas, of Ynispenllwch, in the county of Glamorgan, have given the like notice in respect of the invention of "improved means for utilizing old and waste cast and wrought iron annealing pots used in tin plate works."

1121. And Cristofero Muratori, of Hackney, in the county of Middlesex, Chemist, has given the like notice in respect of the invention of "a new or improved manufacture of paint."

1125. And John Fairfax Foss, of Lowell, Massachusetts, United States of America, Carding Machine Manufacturer, has given the like notice in respect of the invention of "improvements in carding-machines."

As set forth in their respective petitions, all recorded in the said office on the 15th day of

March, 1876.

1134. And Henry Woolfe, of Darlington, in the county of Durham, Factor, has given the like notice in respect of the invention of "improvements in the construction of washing machines.'

1138. And Henry Edward Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Civil Engineer, has given the like notice in respect of the invention of "an improved construction of apparatus for obtaining extracts or infusions from vegetable and other substances."-A communication to him from abroad by Louis Malen, of Paris, in the Republic of France.

As set forth in their respective petitions, both recorded in the said office on the 16th day of March, 1876.

1149. And Nugent Wells, of Newport, in the county of Monmouth, Optician, has given the like notice in respect of the invention of "improvements in mariner's compa-ses.'

1154. And Daniel Hawkesworth, of Valley Tannery, in the county of Digby, Province of Nova Scotia, and Dominion of Canada, Tanner, and Henry Colford, of the city of Halifax, in the Province of Nova Scotia, and Dominion of Canada, Insurance Agent, has has given the like in respect of the invention of "improvements in an apparatus particularly applicable as a spark arrester for locomotive smoke stacks and other flues or chimneys.

1157. And Samuel Shaw Lewis, of Boston, Massachusetts, United States of America, now of 8, Southampton-buildings, London, has given 1

the like notice in respect of the invention of "improvements in the manufacture of soap." As set forth in their respective petitions, all recorded in the said office on the 17th day of March, 1876.

1170. And Edward Corlett, of the city of Manchester, Architect, and Edward Corbett. Jnr., of the city of Manchester, Consulting Chemist. have given the like notice in respect of the invention of "improvements in apparatus for locking nuts on screw-bolts applicable to the permanent way of railways and other purposes." As set forth in his petition, recorded in the said office on the 18th day of March, 1876.

1205. And Cyrus Garside, of Glossop, in the county of Derby, has given the like notice in respect of the invention of "improvements in rotatory engines, applicable also to exhausting, forcing, or raising and measuring fluids."

As set forth in his petition, recorded in the said office on the 21st day of March, 1876.

1223. And George Porter, Junior, of 23, Cullam st., E.C., in the city of London, Gas & Hot Water Engineer, has given the like notice in respect of the invention of "improvements in gas, opal, and other shades and reflectors and method of supporting and affixing them on to gas and oil burners."

1230. And John McJannet, of Greenock, in the county of Renfrew, North Britain, has given the like notice in respect of the invention of

"a new or improved ball cock."

As set forth in their respective petitions, both recorded in the said office on the 22nd day of March, 1876.

1234. And Jules François Gastinne Renette, of Boulevard de Strasbourg, 23, Paris, Gunsmith, has given the like notice in respect of the invention of "improvements in mounting 'foreparts' of breech-loading arms.'

As set forth in his petition, recorded in the said office on the 23rd day of March, 1876.

1253. And John Middlehurst, of Rainford, in the county of Lancaster, Plumber, has given the like notice in respect of the invention of "improvements in apparatus or appliances to be used in the manufacture of clay pipes for smoking.

1256. 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 "improved combustible compounds and apparatus for the production of gas for domestic, manufacturing, military, and other purposes."—A communication to him from abroad by Henri Montmagnon, of Paris, France, Chemist.

1271. And George Hookham, of Birmingham, in the county of Warwick, Screw Manufacturer, has given the like notice in respect of the invention of "improvements in metallic lines for suspending pictures and window sashes, and for other like purposes, and in machinery for the manufacture of the said metalic lines.'

As set forth in their respective peritions, all recorded in the said office on the 24th day of March, 1876.

1310. And John Hocking, Junior, of Trewirgieterrace, Redruth, in the county of Cornwall, has given the like notice in respect of the invention of "improvements in pumps for raising water from mines, and for other such like pur-

As set forth in his petition, recorded in the said office on the 27th day of March, 1876.