3037. And William Booth, Joseph Booth, and Thomas Booth, all of Oldham, in the county of Lancaster, Millwrights, have given the like notice in respect of the invention of "improve-

ments in rotary engines."

3039. And Henry Burridge, of No. 15, Grenvillestreet, Brunswick-square, in the county of Middlesex, Builder, has given the like notice in respect of the invention of "improvements in apparatus for extinguishing fires, applicable also for ventilating and fumigating, and for supplying, delivering, and distributing fluids."

3040. And John Joseph Parkes, of London-street, Paddington, in the county of Middlesex, Bell Hanger and Gas Engineer, has given the like notice in respect of the invention of "improve-

ments in lever bell pulls.

3041. And Edward Marriott, of Miles Platting, Manchester, in the county of Lancaster, Manufacturing Chemist, and Samuel Holroyd, of Manchester aforesaid, Manufacturing Chemist, have given the like notice in respect of the invention of "improvements in the purification of gas and in obtaining certain useful products therefrom.

As set forth in their respective petitions, all recorded in the said office on the 11th day of November, 1862.

3043. And William Galloway and John Galloway, both of Manchester, in the county of Lancaster, Engineers, have given the like notice in respect of the invention of "improvements in machinery or apparatus for cutting, shaping, punching, and compressing metals."

3049. And Joseph Faulding, of No. 340, Eustonroad, in the county of Middlesex, has given the like notice in respect of the invention of "im-

provements in locomotive engines."

As set forth in their respective petitions, both recorded in the said office on the 12th day of November, 1862.

3053. And Alexander Twaddell, of Glasgow, in the county of Lanark, North Britain, Manufacturer, has given the like notice in respect of the invention of "improved arrangements for dressing or sizeing warps."

3058. And Moss Defries, of the firm of Jonas Defries and Son, of Houndsditch, in the city of London, Manufacturer, has given the like notice in respect of the invention of "improvements in the manufacture or construction of lamps.'

3065. And Carl Gottlieb Kopisch, of Bishopsgatestreet Without, Merchant, has given the like notice in respect of the invention of "improved apparatus for propelling, steering, and venti-lating vessels."

As set forth in their respective petitions, all recorded in the said office on the 13th day of No-

vember, 1862.

3074. And Louis Croc, of Aubusson, in the Empire of France, Chemist, has given the like notice in respect of the invention of "an improved ink to be used for the purposes of electric telegraph printing or marking.

3075. And Edward Kirby, of Birmingham, in the county of Warwick, Merchant's Clerk, has given the like notice in respect of the invention of "a new or improved pulley for tightening the

cords of window and other blinds."

3077. And Alfred Illingworth and Henry Illingworth, both of Bradford, in the county of York, Spinners, have given the like notice in respect of the invention of "improvements in washing wool and other fibres."

3079. And Eugéne Hippolyte Duru, of Poictiers Town, in the French Empire, Sculptor, has coffice on the 24th day of November, 1862.

given the like notice in respect of the invention of "an improved motive power engine."

3082. And James Wilson, of No. 2, Royal Exchange-buildings, London, Civil Engineer, has given the like notice in respect of the invention of "improvements in hydraulic pumps."-A communication to him from abroad by Jules Lecointe, of St. Quentin, France, Engineer.

3083. And George Gray, of Greenwich, in the county of Kent, has given the like notice in respect of the invention of "improvements in

the manufacture of wheels."

3084. And Fitzmaurice Palmer, of Northumber-land-street, Strand, in the city of Westminster, Gentleman, has given the like notice in respect of the invention of "improvements in projectiles."

As set forth in their respective petitions, all recorded in the said office, on the 15th day of November, 1862.

3106. And Robert Mushet, of Coleford, in the county of Gloucester, Metallurgist, has given the like notice in respect of the invention of "an improvement or improvements in the manufacture of cast steel."

3110. And Caleb Kilner, of No. 2, Grove-cottages, Albion-grove, Islington, in the county of Middlesex, and George Kilner, William Kilner, and John Kilner, of Thornhill, Lees, near Dewsbury, in the county of York, Glass Manufacturers, have given the like notice in respect of the invention of "improvements in means or apparatus for the manufacture of glass."

3112. And Robert Hardman, of Bolton-le-Moors, in the county of Lancaster, Foreman, has given the like notice in respect of the "invention of certain improvements in looms for weaving.

As set forth in their respective petitions, all recorded in the said office on the 19th day of November, 1862.

3131. And James Steart, of No. 5, St. James'sroad, Blue Anchor-road, Bermondsey, in the county of Surrey, Manufacturer, has given the like notice in respect of the invention of "an improved method of extracting the fibre from zostera marina, and other aquatic vegetable productions."

3132. And Thomas Walker, of Birmingham, in the county of Warwick, Engineer, has given the like notice in respect of the invention of "improvements in utilizing sewage matters, and in the means or apparatus employed therein, part of which improvements is also applicable to raising and forcing other fluids.'

As set forth in their respective petitions, both recorded in the said office, on the 13th day of

March, 1863.

3145. And William Clark, of 53, Chancery-lane, in the county of Middlesex, Engineer, and Patent Agent, has given the like notice in respect of the invention of "improvements in candle lamps."-A communication to him from abroad by Edmond Armand Louis D'Argy, of 29, Boulevart, St. Martin, Paris, Manufacturer. As set forth in his petition, recorded in the said office on the 22nd day of November, 1862.

3156. And Nathaniel Jones Amies, of Manchester, in the county of Lancaster. Smallware Manufacturer, has given the like notice in respect of the invention of "an improved fabric to be employed as a substitute for elastic woven or 'braided' 'webs' and improvements in the method of manufacturing the same.

As set forth in his petition, recorded in the said