

151. And to James Hosken, of No. 58, Fenchurch-street, in the city of London, Engineer, for the invention of "improvements in automatic apparatus for controlling the flow of liquids from constant supply pipes or vessels." On their several petitions, recorded in the Office of the Commissioners on the 20th day of January, 1871.

156. To Frances Hogg, of No. 14, Windsor-road, Denmark-hill, in the county of Surrey, for the invention of "improvements in the economical application of fuel to domestic fireplaces."

159. To Thomas Budworth Sharp, of Manchester, in the county of Lancaster, Engineer, for the invention of "certain improvements in injectors for steam boilers."

161. To Henry Colls, junr., of Birmingham, in the county of Warwick, for the invention of "improvements in horse shoes."

163. To Richard Huskinson Warwick, of the Brewery, Newark-on-Trent, in the county of Nottingham, for the invention of "improvements in apparatus for the supply of hot water."

165. And to Nathaniel Clayton and Joseph Shuttleworth, of Lincoln, in the county of Lincoln, Engineers, for the invention of "improvements in the frames of portable combined thrashing and winnowing machines."

On their several petitions, recorded in the Office of the Commissioners on the 21st day of January, 1871.

167. To Benjamin James Bing, of St. Mary's county, State of Maryland, in the United States of America, but now residing at No. 15, Finsbury-place South, in the county of Middlesex, Doctor of Dental Surgery, for the invention of "improved means for securing artificial teeth in the mouth."

169. To George Gilbert, of 23, Grove-road, Holloway, and Thomas Atkinson Ellis, of 20, High Holborn, both in the county of Middlesex, for the invention of "an improved mode of constructing rails for railroads."

171. To Bernard Clarke, of Aston, near Birmingham, in the county of Warwick, Manager of Joinery Works, for the invention of "improvements in mortice machine chisels."

173. To William Cochrane, of Elswick Colliery, Newcastle-on-Tyne, for the invention of "a new or improved apparatus for indicating the velocity or varying conditions of air or other currents in pipes, galleries, shafts, or other places, also applicable to measuring or indicating the speed of machinery."—A communication to him from abroad by Théophile Guibal, of Mons, Belgium.

177. And to William Edward Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Civil Engineer, for the invention of "improvements in the manufacture of cheese, and in the apparatus employed therein."—A communication to him from abroad by Artemas Holdredge, of West Burlington, and Benjamin Franklin Harrington, and Henry Harrison Harrington, of New Berlin, both in the State of New York, United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 23rd day of January, 1871.

179. To Joseph Cockshoot, Junior, Carriage Builder, Thomas Wrigley, Engineer, and Henry Weatherill, Manager, all of Manchester, in the county of Lancaster, for the invention of "certain improvements in the construction of rail-

way carriages designed for the purpose of mitigating the violence of railway collisions."

181. And to John Moore, of Meridian-place, Clifton, near Bristol, in the city and county of Bristol, Gentleman, for the invention of "improvements in the construction of boats."

On both their petitions, recorded in the Office of the Commissioners on the 24th day of January, 1871.

187. To William Thompson Mann, of the firm of Fawcett, Preston, and Company, of Liverpool, in the county of Lancaster, for the invention of "improvements in breech loading ordnance."—A communication to him from abroad by Adolf Stempf, of Pesth, Hungary, in the Empire of Austria.

189. To James Jones, of Liverpool, in the county of Lancaster, Cigar Maker, for the invention of "improved apparatus for cutting cigars, cheroots, cigarettes, and manufactured tobacco."

191. To Middleton Chapman, of the firm of O. Chapman and Son, of Charterhouse-buildings, Goswell-road, in the county of Middlesex, Manufacturers, for the invention of "improvements in cases or cabinets for liqueur bottles and glasses."

195. To Thomas Whitehead, of Holbeck, in the parish of Leeds, in the county of York, a partner in the firm of Taylor, Wordsworth, and Company, of the same place, Machine and Tool Makers, for the invention of "improvements in machinery for combing wool, cotton, flax, silk, and other fibrous substances."

199. To Frederick Walton, of Staines, in the county of Middlesex, for the invention of "improvements in block printing apparatus."

201. And to Robert Porter and Thomas Lane, Engineers, both of 172, Fenchurch-street, in the city of London, for the invention of "improvements in the manufacture of gas for illumination, and in the apparatus connected therewith."

On their several petitions, recorded in the Office of the Commissioners on the 25th day of January, 1871.

202. To Samuel Wilkes, of 21, Cockspur-street Westminster, in the county of Middlesex, Gentleman, for the invention of "improvements in spindles and their knobs or handles, especially applicable to doors and drawers."

204. To Louis Merckelbagh, of Liège, in the Kingdom of Belgium, now of No. 8, Southampton-buildings, London, for the invention of "improvements in breech-loading fire-arms."

206. To Earle Henry Smith, of the city of New York, in the United States of America, for the invention of "improvements in printing presses."

208. To Anne Abbey Downes, of Stonnall, in the county of Stafford, Spinster, for the invention of "an improvement in carrings."

210. To Charles Lungley, of Greenwich, in the county of Kent, Engineer, for the invention of "improved means of, and apparatus for, dredging docks, rivers, and canals."

212. And to Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for the invention of "an improved construction of steam boiler."—A communication to him from abroad by Jacob Lorillard, of the city and State of New York, United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 26th day of January, 1871.