

which improvements are applicable to the construction of induction coils."

On their several petitions, recorded in the Office of the Commissioners on the 29th day of March, 1873.

1179. To George Frederick Lee Meakin, of No. 4, Martin's-lane, Cannon-street, in the city of London, for the invention of "improved methods of hanging sashes and shutters."
1180. To John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for the invention of "improvements in magnets."—A communication to him from abroad by Hippolyte Fontaine, of Paris, in the Republic of France.
1181. To Joshua Goldsbrough, of Wilsden, near Bradford, in the county of York, Grocer, for the invention of "improvements in apparatus for economizing fuel in house fire grates."
1182. To William Taylor and Henry Leach Wilson, both of Accrington, in the county of Lancaster, Machine Makers, for the invention of "improvements in wringing and mangling machines."
1183. To Isaac Merritt Singer, of Paignton, in the county of Devon, for the invention of "an improved cinder and ash receptacle for domestic and other fire places."
1184. To Edward Holden, of the firm of Isaac Holden and Sons, of Bradford, in the county of York, for the invention of "improvements in the treatment of wool and other fibres in the process of preparing."
1185. To Thomas Redmayne, of Sheffield, in the county of York, for the invention of "improvements in fire grates."
1186. To Alfred Mortimer Job, of the city of London, Merchant, for the invention of "improvements in knife-cleaning boards, and in parts to be employed in connection therewith."
1189. To Henry Marshall, of Kirtou, near Boston, in the county of Lincoln, for the invention of "improvements in buckles or fasteners for straps."
1190. To Alexander Browne, of the firm of Browne and Company, Patent Agents, of 85, Gracechurch-street, in the city of London, for the invention of "improvements in photography."—A communication to him from abroad by Pierre Auguste Despaquis, of Paris, in the French Republic.
1191. To Granville Hamilton Forbes, of Broughton Rectory, in the county of Northampton, Clerk, for the invention of "improvements in balls, bricks, or blocks to be used as fuel."
1192. To Harry John Steel and Richard Wheen Garland, of the Wharnccliffe Works, Sheffield, in the county of York, for the invention of "an improved construction of domestic stove, for economizing the consumption of fuel and utilizing the heat thereof."
1193. And to Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in apparatus for the manufacture of gas for lighting and heating purposes."—A communication to him from abroad by Arnold Badt, of Hamburg, Germany.
- On their several petitions, recorded in the Office of the Commissioners on the 31st day of March, 1873.
1194. To Robert Smellie, of Portobello, and John Vance, of Edinburgh, in the county of Midlothian, North Britain, for the invention of "improved self-acting railway signal apparatus."

1196. To Richard Jarrod Gay, of Blake-street, Stretford-road, Manchester, Manufacturing Chymist, for the invention of "improvements in the manufacture of artificial fuels."

1197. To Thomas Henry Sharpe, of Billesdon, in the county of Leicester, Pottery Manufacturer, for the invention of "improvements in apparatus for the moulding of clay and other plastic substances."

1198. To William Morrison and John Mitchell, both of Hadfield, in the county of Derby, for the invention of "improvements in self acting mules."

1201. To the Honorable Robert Flower, of Durrow, Queen's County, Ireland, for the invention of "a new or improved fuel."

1202. To Francis Johnston and Richard Thomas Cotton, both of Blackburn, in the county of Lancaster, Cotton Manufacturers, for the invention of "improvements in looms for weaving."

1204. To the Reverend Granville Hamilton Forbes, of Broughton Rectory, in the county of Northampton, for the invention of "an improved compound to be used in the manufacture of cement, plaster, artificial stone, and other similar materials, also applicable for use as fuel."

1205. To Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in apparatus for raising and measuring acids and other liquids."—A communication to him from abroad by F. Nichols, of New London, State of Connecticut, United States of America.

1206. To Nicholas Demetrius Spartali, of Liverpool, in the county of Lancaster, Steam Ship Agent, for the invention of "improvements in the preparation of, and mode of consuming, fuel."

1207. And to Henry Hill, of No. 49, Shrubland-grove, Dalston, in the county of Middlesex, Analytical Chemist, for the invention of "improvements in grates and fire places."

On their several petitions, recorded in the Office of the Commissioners on the 1st day of April, 1873.

1209. To William Murdoch, of Glasgow, in the county of Lanark, North Britain, Engineer, for the invention of "improvements in apparatus or arrangements for regulating the speed of motive-power engines worked by steam or other fluid."

1211. To Brice Tydeman, Carpenter and Joiner, of 31, Gloster-street, Hackney-road, for the invention of "improvements in fitting and hanging of window sashes and making frames for sashes."

1212. To John Young, of No. 4, Wimpole-street, in the county of Middlesex, Engineer, for the invention of "improved means of, and apparatus for, feeding steam boiler furnaces with fuel."

1213. To William Palliser, of No. 14, Cromwell-place, South Kensington, in the county of Middlesex, Knight, for the invention of "improvements in boots and shoes."

1214. To William Henry Gold, of No. 44, Knowle-road, Brixton, in the county of Surrey, for the invention of "an improved reservoir penholder."

1215. To Robert Sim, M.D., at present residing at the Cannon-street Hotel, and Alfred Morgan, of Duckfoot's-lane, Upper Thames-street, both in the city of London, for the invention of "improvements in the manufacture of varnish."