

of the Commissioners on the 25th day of March, 1873.

1128. To Robert Fielden, junior, and Thomas Fielden, of the firm of Robert Fielden and Sons, of Walsden, in the county of Lancaster, Picker Manufacturers, for the invention of "improvements in the construction of pickers used in looms for weaving."

1130. To Henry Bernoulli Barlow, of Manchester, in the county of Lancaster, Patent Agent, for the invention of "an improved process and apparatus for cleansing or purifying casks."—A communication to him from abroad by Nicolas Joseph Gulland, of Paris, France, Engineer.

1131. And to Marcus Israel Landau, of Bury-court, Saint Mary Axe, in the city of London, Poultry Slaughterer, for the invention of "improvements in miners' safety lamps, and other lamps and apparatus for lighting, also in furnaces, fire places, and stoves or apparatus for heating, and in instruments for kindling lights, part of the improvements being applicable for ventilating."

On their several petitions, recorded in the Office of the Commissioners on the 26th day of March, 1873.

1140. To Robert Lister, of Haydon Bridge, in the county of Northumberland, Engineer, for the invention of "an improved screw propeller for ships or vessels, and improved machinery or apparatus for making the same."

1144. To Henry Cockey and Francis Christopher Cockey, both of Frome Selwood, in the county of Somerset, for the invention of "improvements in grates or stoves for the heating of air and economising the consumption of fuel."

1145. To Edmund Shaw, of Leeds, in the county of York, Engineer, and George Hunter, of Leeds, in the county of York, Engineer, for the invention of "improvements in boilers."

1149. To George Wightwick Rendel, of Elswick Works, Newcastle-upon-Tyne, for the invention of "improvements in hydraulic machinery for working ordnance."

1153. And to Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for the invention of "improvements in the mode of and apparatus for manufacturing railroad and other picks, adzes, shovels, hoes, and similar tools."—A communication to him from abroad by Harvey Lester Lowman, of Antwerp, in the Kingdom of Belgium.

On their several petitions, recorded in the Office of the Commissioners on the 27th day of March, 1873.

1155. To Charles Sellers, of the city and county of York, and William Haden Richardson, of Glasgow, in the county of Lanark, North Britain, for the invention of "improvements in stoves."

1157. To Herbert John Haddan, of the firm of Herbert and Company, Patent Agents, of 67, Strand, in the city of Westminster, for the invention of "improvements in the manufacture and use of fasteners suitable for straps, bands, and such like."—A communication to him from abroad by James Fairman, of the city of New York, in the county and State of New York, in the United States of America.

1161. To William John Barber, of Hackney, in the county of Middlesex, for the invention of "improvements in boot and shoe toe-pieces or tips."

1163. To James Morrison, of Constantinople, Engineer, at present residing at the "Homer" Coffee-house, Agar-street, Strand, in the county of Middlesex, for the invention of "improvements in machinery for propelling steam launches and other twin-screw vessels."

1165. To John Williams, of Chapel-hill Farm, near Bridgewater, in the county of Somerset, Farmer, for the invention of "improved apparatus for feeding sheep and other animals."

1167. And to James Havenhand, Manager for Messrs. W. A. Tyzack and Co., Stella Works, Sheffield, in the county of York, for the invention of "a machine for cutting the teeth in sickles or reaping hooks, applicable also for cutting the teeth in reaping machine knives."

On their several petitions, recorded in the Office of the Commissioners on the 28th day of March, 1873.

1169. To Martyn John Roberts, of the city of Bath, Esquire, for the invention of "improvements in foundations for bodies subjected to blows or pressure especially applicable to anvils."

1170. To Dana Bickford, of the city, county, and State of New York, in the United States of America, but at present of 35, Southampton-buildings, in the county of Middlesex, for the invention of "improvements in the manufacture of pyroxyline, to be employed as an explosive material and in the manufacture of collodion, also in the treatment thereof when it is to be employed in the solid state for dental and for other purposes."—Partly his own invention and partly the result of a communication to him from abroad by Doctor Spooner, of the city, county, and State of New York, in the United States of America, and partly the result of a communication to him from abroad by the Pyroxyline Manufacturing Company, of Boston, Massachusetts, also in the United States of America.

1171. To Charles Newbold Eyland, of Walsall, in the county of Stafford, Manufacturer, for the invention of "improvements in buckles and fastenings of a similar nature."

1172. To Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for the invention of "improved apparatus for ascertaining the rise and fall of temperatures, also for indicating the presence and for arresting the spread of fires."—A communication to him from abroad by Professor Cavalier Carlo Grechi, of Siena, Tuscany, in the Kingdom of Italy.

1173. To Henry Preston Thorp, of Elstree, in the county of Herts, Gentleman, for the invention of "improvements in the manufacture of artificial fuel."

1175. To Bernard Clarke, of Aston, near Birmingham, in the county of Warwick, Manager of Joinery Works, for the invention of "improvements in the wood working machines called trying up and surfacing machines."

1176. To Thomas Chambers Newton and George Dawson, both of the Thorncliffe Iron Works, near Sheffield, in the county of York, for the invention of "improvements in kitchen ranges."

1177. To George Kemp, of Railway Approach, London Bridge, in the county of Surrey, Gentleman, for the invention of "a new or improved artificial fuel."

1178. And to Henry Highton, M.A., of Putney, in the county of Surrey, for the invention of "improvements in electric telegraphs, part of