

other liquid."—A communication to him from abroad by Mr. H. Whympfer, of Murree, India, Brewer.

On their several petitions, recorded in the Office of the Commissioners on the 19th day of June, 1873.

2156. To Charles Brown, of Albemarle, Virginia, United States of America, now of No. 8, Southampton-buildings, London, Doctor of Medicine, for the invention of "an improved process for preserving wood."

2157. To George Spencer, Civil Engineer, of 77, Cannon-street, London, for the invention of "improvements in railway breaks, and in the framing and parts of carriages suitable for use with the same."—A communication to him from abroad by William Buckwell, of 48 bis, Via Scala, Florence, Italy.

2158. To Alexander Henry, of Edinburgh, in the county of Mid Lothian, North Britain, for the invention of "improvements in breech-loading fire-arms, part of which improvements are also applicable to the locks of ordinary fire arms."

2159. To John Glendenning, of Norwich, in the county of Norfolk, for the invention of "improvements in curtains or flexible partitions for school rooms, and in apparatus for raising and lowering the same."

2160. To George Langlands, Shuttle Maker, 161, Hilltown, Dundee, and Joseph Johnston, Manager at Messrs. Ritchie & Simpson's Maxwelltown Works, Dundee, for the invention of "improvements in shuttles."

2161. To Gregory Alexander Page the younger, of Bradford, in the county of York, Salesman, for the invention of "an improved travelling valise or knapsack."—A communication to him from abroad by Egmond Julius Erichsen, of Copenhagen, Denmark.

2162. To George Nimmo, of Glasgow, in the county of Lanark, North Britain, Steel Maker, for the invention of "improvements in steel furnaces."

2163. To Joseph Matthew Morris, of Hanover-street, in the county of Middlesex, for the invention of "improvements in apparatus for producing mechanical illusions in theatrical exhibitions, parts of which apparatus are also applicable to other purposes."

2164. To Cemer Thomas Colebrook, of Islington, in the county of Middlesex, Engineer, for the invention of "improvements in steam cylinders for steam pumping machinery and steam engines."

2166. To Timothy Murphy, of Clonmel, in the county of Tipperary, in Ireland, Engineer, for the invention of "improvements in machinery for cutting or forming corkwood, bark, and such like materials into stoppers for bottles and vessels, or into articles of similar character."

2167. And to Edwin Whitworth, of Ingoldmells, in the county of Lincoln, for the invention of "improvements in reaping machines, and in apparatus for making up cut crops into sheaves."

On their several petitions, all recorded in the Office of the Commissioners on the 20th day of June, 1873.

2168. To James Platt, Engineer, of the Atlas Iron Works, Gloucester, and Ralph Hart Tweddell, of 10, Bury-street, Saint James', in the county of Middlesex, for the invention of "improvements in rivetting and punching machinery."

2169. To Christopher Binks, of Parliament-street, Westminster, Chemist and Metallurgist, for the invention of "improved materials for,

& methods of, decarburating cast iron & converting iron into steel."

2173. To William Henry Mitchell, Card Maker, and Ralph Jordinson, Woollen Merchant, both of Huddersfield, in the county of York, for the invention of "improvements in or applicable to carding engines."

2174. To Kenneth McLeay Phin Louttit, of Greenwich, in the county of Kent, for the invention of "improvements in the manufacture of gas for heating and lighting purposes, and in the apparatus employed therefor."

2175. To Charles Peters Moody, of Corton Denham, in the county of Somerset, Yeoman, for the invention of "improvements in implements for cultivating land."

2177. To Andrew George Hunter, of Flint, North Wales, for the invention of "improvements in apparatus for the manufacture of gas for illuminating and heating purposes."—A communication to him from abroad by Joseph Hooper Berry, Merritt Randolph, and Frederick H. Eichbaum, all of Detroit, county of Wayne, State of Michigan, United States of America.

2178. And to Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "an improved method of, and apparatus for, tanning and otherwise treating hides and skins."—A communication to him from abroad by Madame Malvina Frédérique Marie Schmidt-Ramsbacher, of Paris, France.

On their several petitions, all recorded in the Office of the Commissioners on the 21st day of June, 1873.

2179. To Charles Courtney Cramp, of 87, Litchfield-road, Grove-road, Bow, in the county of Middlesex, Engineer, for the invention of "an improved locomotive engine for tramways, railways, and other purposes."

2180. To Charles Courtney Cramp, of 87, Litchfield-road, Grove-road, Bow, in the county of Middlesex, Engineer, for the invention of "an improved rotary engine."

2182. To Francis Zysel, of Cecil-street, Mile End-road, in the county of Middlesex, Engineer, for the invention of "improvements in obtaining and applying motive power."

2183. To James Howarth Parkinson, of Clough Fold, near Rawtenstall, in the county of Lancaster, for the invention of "improvements in looms for weaving."

2186. To Samuel Arnold Samuelson, of Hamburg, in the Empire of Germany, for the invention of "improvements in locomotives traction engines and other carriages moved by steam power."

2187. To John Whitehead, of Manchester, in the county of Lancaster, for the invention of "improvements in dandy rollers, used in the manufacture of paper."

2188. To Alfred George Brookes, of 62, Chancery-lane, in the county of Middlesex, for the invention of "an improved rotary engine to be worked by steam or other fluid."—A communication to him from abroad by Edmond Geisenberger and Gabriel Cherpit, both of Brussels, in the Kingdom of Belgium, Engineers.

2189. And to Thomas Whitehead and Henry Walton Whitehead, both of Holbeck, in the parish of Leeds, in the county of York, and partners in the firm of Taylor, Wordsworth, and Company, of the same place, Machine and Tool Makers, for the invention of "improvements in 'Nobles' combing machines."

On their several petitions, all recorded in the Office of the Commissioners on the 23rd day of June, 1873.