

3134. To Alfred Longsdon, of Queen Victoria-street, in the city of London, Engineer, for the invention of "certain improvements in the hydraulic brakes of gun carriages."—A communication to him from abroad by Alfred Krupp, of Essen, in the Kingdom of Prussia, Cast Steel Manufacturer.

3136. George Edmonds and Edwin Edmonds, both of Birmingham, in the county of Warwick, Swivel Manufacturers, for the invention of "improvements in the manufacture of swivels and watch keys."

3138. To Benjamin Lumsden Thomson, of Ingram-court, Fenchurch-street, in the city of London, Merchant, and Thomas Connolly, of Downham-road, Kingsland, in the county of Middlesex, Engineer, for the invention of "improvements in protecting ships or vessels, and other submerged or partially submerged surfaces."

3140. To Edwin Firth, of Oldham, for the invention of "improvements in washing machines."

3142. To William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for the invention of "improvements in grates for steam boiler and other furnaces and fire boxes."—A communication to him from abroad by Carl Schan, Manager of the Locomotive Engine Works, of Wiener-Neustadt, in the Empire of Austria.

3144. To John Layng McKim, of the town and county of the town of Nottingham, for the invention of "improvements in single and compound rotary steam engines."

3146. To John Cornelius Hurcombe, of the city and State of New York, United States of America, now of No. 8, Southampton-buildings, London, for the invention of "improvements in umbrellas and parasols and in cases or sheaths for the same."

3148. And to Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improved anti-friction machinery bearings."—A communication to him from abroad by the Lathrop Anti-frictionate Company, of the city, county, and State of New York, United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 7th day of September, 1875.

3150. To Thomas Christy, junior, of 155, Fenchurch-street, in the city of London, for the invention of "improvements in the construction of furnaces with a rotary inclined hearth or pan for the puddling of iron and the fusion of steel."—A communication to him from abroad by Charles Pernot, Engineer, of St. Chamond, Loire, France.

3152. To David Cargill, of Dundee, in the county of Forfar, North Britain, for the invention of "improvements in ventilating and in preventing fires on board ships and in apparatus employed therefor."

3154. To James Alexander King & John Little, of Charlotte Quay, Dublin, Ireland, for the invention of "improvements in furnaces or tanks used in the manufacture of glass."

3156. To Henry Edward Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Civil Engineer, for the invention of "improvements in the construction of toys."—A communication to him from abroad by Louis Schmetzer, of Chicago, in the United States of America, but at present residing at Rothenburg, in the Kingdom of Bavaria.

3158. To Henry Chancellor of 19, Salisbury-street, Strand, London, Engineer, for the invention of "improvements in slide valves."

3160. To John Shuttleworth, of Keighley, in the county of York, Mechanic, for the invention of "improvements in crank-arms."

3162. And to Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in treating sewage and other impure or polluted waters."—A communication to him from abroad by Paul Albert Bonnard, of Paris, France.

On their several petitions, recorded in the Office of the Commissioners on the 8th day of September, 1875.

3164. To William Spence, of 8, Quality-court, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in the manufacture of varnish, oils, dryers, and similar articles, and in apparatus for the same."—A communication to him from abroad by Théodore Lefèbvre, Paul Lefèbvre-Desurmont, and Henri Gennevoise Lefèbvre, Varnish Manufacturers and Copartners, of Paris, France.

3166. To David Porteous, of Whaley Bridge, in the county of Chester, Manufacturer, and John Ormerod, of the same place, Overlooker, for the invention of "improvements in apparatus for sizing yarns or warps."

3168. To Thomas Hastings Dale, of No. 4, Havelock-villas, Beverley-road, Stepney, Hull, for the invention of "hydropathic garments to be used for acting upon the skin, and bringing it into proper working order."

3170. And to John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for the invention of "improvements in motive power engines."—A communication to him from abroad by Henri Sulzer, Albert Sulzer, and Jean Rodolphe Ernst Sulzer, all of Paris, in the Republic of France, Engineers.

On their several petitions, recorded in the Office of the Commissioners on the 9th day of September, 1875.

3172. To Hunter Henry Murdoch, of No. 7, Staple-inn, in the county of Middlesex, Patent Agent, for the invention of "an improved mitrailleur."—A communication to him from abroad by the firm of P. Stevens, of Maastricht, in the Kingdom of Holland.

3174. To Benjamin Looker, of Kingston on Thames, Brick and Tile Manufacturer, for the invention of "improvements in heating apparatus."

3176. To Joseph Adam Mills, of the city of Glasgow, in the county of Lanark, North Britain, Engineer and Boiler Inspector, for the invention of "improvements in furnaces for the prevention of smoke and economy of fuel."

3178. To James Borland, of Warren-road, Bexley Heath, in the county of Kent, for the invention of "improvements in hydro carbon furnaces, and in means for producing light and heat."—A communication to him from Robert Bell Borland, of New York, in the United States of America.

3180. To Nicholas Demetrius Spartali, of Liverpool, in the county of Lancaster, Steam Ship Agent, for the invention of "improvements in the construction of screw propellers."

3182. And to Charles Thomas, of the city of Bristol, Merchant, for the invention of "improved means of and apparatus for raising or