

3141. To George Tangye, of the firm of Tangye Brothers, of Birmingham, in the county of Warwick, Manufacturers, for the invention of "improvements in differential pulleys or pulley blocks."

On his petition, recorded in the Office of the Commissioners on the 8th day of August, 1878.

3163. To John Schwartz, of Pelham-street, Stepney, in the county of Middlesex, Sugar Refiner, for the invention of "improvements in the manufacture of sugar."

3165. To William Terry and John Scott, of Dudley Hill, near Bradford, in the county of York, Commission Wool Combers, for the invention of "improvements in machinery or apparatus for combing wool and other fibrous substances."

3167. To Stephen Holman, of Lawrence Pountney-lane, in the city of London, for the invention of "improvements in steam pumps and apparatus connected therewith, parts of which improvements are also applicable to other motive power engines."

3169. To Matthew Wilson, of Leadenhall-street, in the city of London, Merchant, for the invention of "improvements in umbrellas, parasols, and sunshades."

3171. And to Joaquim Antonio Macedo, of Leeds, in the county of York, for the invention of "improved means for writing and copying post cards."

On their several petitions, recorded in the Office of the Commissioners on the 10th day of August, 1878.

3175. To William Henry Twine, of Kilburn, in the county of Middlesex, for the invention of "improvements in money tills."

3179. To Frank Wirth, of the firm of Wirth and Company, Patent Solicitors, at Frankfort-on-the-Main, in the Empire of Germany, for the invention of "improvements in bobbin spindles."—A communication from Wilhelm Witz, a person resident at Greiz, in the Empire of Germany.

3183. To Frank Wirth, of the firm of Wirth and Company, Patent Solicitors, at Frankfort-on-the-Main, in the Empire of Germany, for the invention of "improvements in safety apparatus for stopping vehicles and preventing accidents from runaway or shying horses."—A communication from Johann Oswald, Engineer, a person resident at Frankfort-on-the-Maine, in the Empire of Germany.

3185. To Thomas Oldham Bennett, of Manchester, in the county of Lancaster, for the invention of "improvements in the construction of machinery or apparatus for the manufacture of wood screws and screw nails."

3187. To Charles Victor Allié and Auguste François Ygouf, Manufacturers, of Boulevard de Strasbourg, No. 23, at Paris, for the invention of "an improved apparatus for taking the patterns of boots and shoes."

3191. To Thomas James Smith, of the firm of Robertson, Brooman, and Company, of 166, Fleet-street, in the city of London, Patent Agents, for the invention of "improvements in plaiting machines."—A communication to him from abroad by Charles James Appleton, of 131, Boulevard Sebastopol, Paris, France.

3193. And to Carl Theodor Burchardt, of Berlin, in the Kingdom of Prussia, and Empire of Germany, Engineer and Patent Agent, for the invention of "improvements in lime and other kilns."—A communication to him by Paul Berndt, of Fuerstenberg, a/o, Merchant, and

Johann Baldermann, of Finkenheerd, Glass Maker, in the Kingdom of Prussia, and Empire of Germany.

On their several petitions, recorded in the Office of the Commissioners on the 12th day of August, 1878.

3195. To Evan Arthur Leigh, of Manchester, in the county of Lancaster, Engineer, for the invention of "certain improvements in machines for carding cotton and other fibrous materials."

3197. To Benjamin Brown, of Bury, in the county of Lancaster, for the invention of "improvements in the construction of apparatus used for gassing yarn."

3199. To Edward James Harland, of Belfast, in the county of Antrim, Ireland, for the invention of "improvements in screw-propellers."

3201. To Herbert Alston Whitaker, of Bradford, in the county of York, Merchant, for the invention of "an improved preparation of colouring matter."—A communication to him from abroad by William Stein, of Moreuil, in the Republic of France.

3203. To Gordon McDonald, of Cheapside, in the city of London, for the invention of "improvements in fasteners or apparatus for suspending or holding dresses or other articles."

3205. And to George Kissam Cooke, of 180, Fleet-street, in the city of London, for the invention of "improvements in or applicable to endorsing stamps."

On their several petitions, recorded in the Office of the Commissioners on the 13th day of August, 1878.

3209. To William Paulson, of Mount Sorrel, near Loughborough, in the county of Leicester, Gentleman, for the invention of "improvements in apparatus for lubricating cylinders and steam chests."

3211. To William Howe, of Bath, in the county of Somerset, for the invention of "improvements in the means of, and apparatus for, raising ships and other sunken vessels."

3212. To Cyrus Price, of Wolverhampton, in the county of Stafford, Safe and Lock Manufacturer, for the invention of "improvements in corks, and in the means or apparatus employed for drawing corks from bottles."

3215. To James Noad, of Richmond Works, Plaistow, in the county of Essex, for the invention of "improvements in fabrics to be used for disinfecting, and also for other purposes."

3217. To William Robert Lake, of the firm of Haseltine, Lake, and Co., Patent Agents, Southampton-buildings, London, for the invention of "an improved method of, and apparatus for, the transmission of signals by electricity between railway trains and stations or other parts of the line, and for similar purposes."—A communication to him from abroad by Angelo Cattaneo, of Pavia, Italy, Civil Engineer.

3219. And to Robert Church, of Aldersgate, in the city of London, for the invention of "an improvement in the handles of umbrellas, walking sticks, riding whips, and hunting crops, applicable also to fishing rods."

On their several petitions, recorded in the Office of the Commissioners on the 14th day of August, 1878.

3220. To William Phillips Thompson, of 6, Lord-street, Liverpool, in the county of Lancaster, Consulting Engineer and British and Foreign Patent Agent, for the invention of "improvements in and relating to lock bolts and nuts."—A communication to him from abroad by Virgil