

4698. To John Lacey Davies, of Norwood, in the county of Surrey, Gentleman, for the invention of "improvements in machinery or apparatus for cleaning and polishing the surfaces of knives or blades which is also applicable for grinding the same."

On his petition, recorded in the Office of the Commissioners on the 11th day of December, 1877.

4743. To John Eliot Hodgkin and Mathias Neuhaus, of the firm of Hodgkin, Neuhaus, and Company, of Queen Victoria-street, in the city of London, Engineers, for the invention of "improvements in valves and valve seats, applicable to what are commonly known as pulsometers, also to pumps and other like apparatus."—A communication to them from abroad by Max Hecking, of Dortmund, in the Empire of Germany.

On their petition, recorded in the Office of the Commissioners on the 13th day of December, 1877.

4790. To Isaac Thomis, of Dudley Hill, near Bradford, in the county of York, Designer, Joshua Crabtree and John Crabtree, of Southgate, Bradford aforesaid, Jacquard Machine Makers, for the invention of "improvements in jacquard engines for regulating the harness and warp ends."

On their petition, recorded in the Office of the Commissioners on the 17th day of December, 1877.

4806. To William Newbold Baines, of the Millgate Brass Works, Rotherham, in the county of York, Brass Founder, for the invention of "improvements in self acting or automatic steam lubricators, impermeators, or greasers."—A communication to him from abroad by Eberhard de Limon, of Dusseldorf, Germany, Engineer.

On his petition, recorded in the Office of the Commissioners on the 18th day of December, 1877.

4854. To William Smith Melville, of No. 9, Frederick-place, Mile End Old Town, coy. of Middlesex, for the invention of "improvements in the means of and apparatus for hoisting and lowering yards or gaffs of steam or sailing vessels."

On his petition, recorded in the Office of the Commissioners on the 21st day of December, 1877.

4924. To George Oliver, of No. 7, Seymour-st., Liverpool, in the county of Lancaster, for the invention of "improvements in or appertaining to pianofortes and the construction thereof."

4925. To Robert Andrew Gibbons, of Northfleet, in the county of Kent, for the invention of "improvements in cement kilns and ovens."

4926. To Caleb Wheeler Durham, of Chicago, United States of America, but at present of No. 20, Southampton-buildings, in the county of Middlesex, for the invention of "improvements in hot air stoves."

4927. To William Agnew Pope, of Cannon-street, in the city of London, for the invention of "improvements in nut locks."—A communication to him from abroad by Joseph Jones, of Chicago, Illinois, United States of America.

4928. To Thomas Nesham Kirkham, of Abingdon-st., Westminster, David Hulett, of High Holborn, Middlesex, Samuel Chandler, senior, and Samuel Chandler, junr., of Newington-causeway, Surrey, for the invention of "im-

provements in apparatus for condensing, washing, and purifying gas and other vapours."

4929. To Henry Beuttell, of No. 82, Loughborough-road, Brixton, in the county of Surrey, Commercial Traveller, and George Beuttell, of the said No. 82, Loughborough-road, Engineer, for the invention of "improvements in apparatus for indicating the numbers of persons, and ascertaining the amounts paid by them in their passage to or from tram cars and other vehicles or places."

4930. To Louis Legendre, of Kennington, in the county of Surrey, Engineer, for the invention of "improvements in pumps or apparatus for raising water and other liquids to any height by suction, or by suction and compressed air, and without the liquids passing through the pumps."

4931. To Peter Jensen, of Chancery-lane, London, for the invention of "improvements in apparatus for affixing postage and other stamps to envelopes and other articles."—A communication to him from abroad by Doctor Emil Jacobsen, of Berlin, Germany.

4932. To Frederick John Cheesebrough, of the Office for Patents, 15, Water-street, Liverpool, in the county of Lancaster, Consulting Engineer, for the invention of "improvements in and appertaining to machines for hulling or decorticating cotton seed and other seeds, also grain, berries, and other like produce."—A communication to him from abroad by Joseph Collingbourne Vincent and David Kahnweiler, both of the city and State of New York, United States of America.

4933. To Matthew Wilson, of Leadenhall-street, in the city of London, Merchant, for the invention of "improvements in apparatus for giving alarm in case of fire or burglaries."

4934. To Charles Weightman Harrison, of South Kensington, in the county of Middlesex, Gentleman, for the invention of "improvements in electric telephony and in telephonic apparatus."

4935. And to Samson Fox, of the Leeds Forge, Leeds, in the county of York, Engineer, for the invention of "improvements in the construction or formation of certain parts of steam boilers and in machinery or apparatus to be used in the manufacture of parts of steam boilers."

On their several petitions, recorded in the Office of the Commissioners on the 29th day of December, 1877.

4936. To Edwin Bourne, of Shifnal, in the county of Salop, Accountant, for the invention of "improvements in balance pumps for raising or drawing water from deep mines and other purposes."

4937. To Henry Simon, of No. 7, St. Peter's-square, Manchester, in the county of Lancaster, for the invention of "improvements in gas-motor engines."—A communication to him from abroad by Ferdinand Kindermann, of Neustadt, Magdeburg, in the German Empire.

4938. To Herbert John Haddan, of the firm of Herbert and Company, Patent Agents, of 67, Strand, in the city of Westminster, Civil Engineer, for the invention of "improvements in belts, and attachments for preventing sea sickness."—A communication to him from abroad by John Commins, of Charleston, South Carolina, United States of America.

4939. To George Agars Walker, commonly called John George Agars Walker, of Dunes Hill, near Retford, in the county of Nottingham, for the invention of "improvements in means or apparatus employed in sheeting railway trucks or wagons."