

3777. To Benjamin George George, of 47, Hatton-garden, in the county of Middlesex, Lithographer, for the invention of "an improved stop valve or stop valve capsule for bottles and other like vessels holding fluids."—A communication to him from abroad by Cerf Mayer, of 2, Boulevard Magenta, Paris.

3778. To William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for the invention of "improvements in railway carriage wheels."—A communication to him from abroad by James A. Woodbury, of Boston, Massachusetts, United States of America.

3779. To Ernest John Harling, of Westbourne-road, Barnsbury, in the county of Middlesex, Electrical Engineer, for the invention of "improvements in the construction of keys and commutators for telegraph instruments."

3780. To Peter Love, of Bedford, in the county of Bedford, Agricultural Engineer, for the invention of "improvements in machinery for excavating and treating substances excavated, especially applicable for the conversion of bog, moss, or fen into peat for fuel."

3781. To William Glaze, of Pensnett, in the county of Stafford, Moulder, for the invention of "an improved cupola or furnace for smelting iron."

3784. To John Jordan and Alfred Paul, Engineers, of Liverpool, in the county of Lancaster, for the invention of "improvements in safety valves."

3785. To Alphonse Helbronner, of Paris, France, Gentleman, for the invention of "improvements in sluices."—A communication to him from abroad by François Durand, of Paris, France.

3786. To Matthew Collier, of Manchester, in the county of Lancaster, Manufacturer, for the invention of "improvements in looms for weaving."

3787. To William Port Ayres, of Newark-on-Trent, in the county of Nottingham, Horticultural Engineer and Architect, for the invention of "improvements in the construction of horticultural buildings."

3788. And to Charles Denton Abel, of No. 20, Southampton-buildings, Chancery-lane, in the county of Middlesex, for the invention of "improvements in the means and apparatus for conveying sewage and other liquid, or partially liquid refuse, from cesspools, privies, and other receptacles."—A communication to him from abroad by Alexander Frederick Booroff, of St. Petersburg, in the Empire of Russia.

On their several petitions, recorded in the Office of the Commissioners on the 13th day of December, 1872.

3789. To John Lancaster, Vine House, Canning Town, E., Essex, for the invention of "an improved hand sowing machine."

3790. To John Musgrave, of the firm of Messieurs John Musgrave and Sons, of Bolton, in the county of Lancaster, Engineer, for the invention of "improvements in steam boilers."

3791. To William Anson, of Birmingham, in the county of Warwick, Gun Maker, for the invention of "improvements in breech loading small arms."

3792. To Emile Jean Flamand, of Nantes, Department of the Loire Inférieure, in the Republic of France, Civil Engineer, for the invention of "an improved construction of steam and other boilers."

3793. To John Bernard Schott, of 103, London-road, Southwark, in the county of Surrey,

Gentleman, for the invention of "a new or improved cigar tube or holder."

3795. To William Edwards, of No. 43, Hungerford-road, Holloway, in the county of Middlesex, for the invention of "improvements in rotary pumps."

3796. To John Shanks, of Barrhead, in the county of Renfrew, North Britain, Sanitary Engineer, for the invention of "improvements in water-supply apparatus for waterclosets, urinals, and washing, and similar apparatus."

3797. To John Francis Clemow, of Padstow, in the county of Cornwall, Farmer, for the invention of "improvements in the construction of lever horse hoes and lever corn drills."

3798. To James Newton, of New Wortley, in the borough of Leeds, in the county of York, Flour Mill Manager, for the invention of "improvements in the means of and apparatus for consuming smoke and economizing fuel."

3799. To Stephen Hickson, of 9, Kings-road, Bedford-row, in the county of Middlesex, Estate Agent and Surveyor, for the invention of "improvements in preserving meat."

3801. And to Julien Denis, of 3, Adelaide-place, London Boidge, in the city of London, for the invention of "improvements in mechanism or apparatus for desiccating and reducing wood or other similar fibrous substances to pulp for the manufacture of paper, and in the means employed therefor."

On their several petitions, recorded in the Office of the Commissioners on the 14th day of December, 1872.

3802. To Walker Moseley, of Waltonbreck-road, Liverpool, Telegraph Engineer, for the invention of "improvements in governors for marine and other engines."

3805. To John Rendall and William Rendall, both of Stoke Newington, in the county of Middlesex, Wheelwrights and Contractors, and Co-partners, for the invention of "certain improvements in sloop carts employed for collecting sewage and street refuse, and carrying earth and manure."

3806. To Raffaele Vagnolini, of Princes-square, Kennington, in the county of Surrey, Gentleman, for the invention of "improvements in obtaining and applying motive power."

3807. To William Cowper Baker, of the city and State of New York, United States of America, for the invention of "improvements in heating apparatus for railway cars."

3808. To William Henry Bailey, trading under the style or firm of John Bailey & Co., of the Albion Works, Salford, in the county of Lancaster, Brass Founders and Turret Clock Makers, and John Grindrod, of the same place, Engineer, for the invention of "improvements in apparatus for raising, forcing, and measuring liquids."

3809. To Stanislas Wikentjevitch Konn, of the firm of S. A. Kosloff and Company, of Great Winchester-street-buildings, in the city of London, and of St. Petersburg, in the Empire of Russia, for the invention of "improvements in the means and appliances for the production and maintaining of light by electricity."—A communication to him from abroad by Alexandre Nicolaevitch Ladiguine, of St. Petersburg.

3810. To John Daniel Sprague, of Beulah Hill, Upper Norwood, Gentleman, for the invention of "improved machinery for printing from engraved surfaces."