

the Commissioners on the 17th day of August, 1874.

2838. To James Mander Houghton, of Edgbaston, in the county of Warwick, Farmer, for the invention of "improvements in brakes for carts and other two wheel vehicles."

2839. To George Frederick Lee Meakin, of No. 4, Martins-lane, Cannon-street, in the city of London, for the invention of "improved methods of manufacturing and securing ridging to roofs of buildings."

2840. To Alfred Henry Cramp, of Brixton, in the county of Surrey, Civil Engineer, for the invention of "an improved combined smoothing, polishing, and fluting iron."

2841. To Félix de Lalande, of Rue d'Enfer, No. 22, at Paris, Civil Engineer, for the invention of "improvements in the treatment of alizarine for the production of different colours or hues therefrom in dyeing and printing."

2842. To John Clayton Mewburn, of 169, Fleet-street, in the city of London, Patent Agent and Consulting Engineer, for the invention of "improvements in steam gauge cocks, also applicable to other purposes."—A communication to him from abroad by Thomas Aldridge Weston, of Ridgewood, Bergen county, New Jersey, United States of America.

2844. To Richard Robert Loane Rosoman, of Highlands, Itchen Ferry, near Southampton, for the invention of "improvements in the construction of iron clads and other vessels."

2845. To Robert McGlasson the younger, of Brixton, in the county of Surrey, for the invention of "improved valve gear for steam engines."

2846. To Barnabas Russ, of Little Ilford, in the county of Essex, Engineer, for the invention of "improvements in the generation of steam, and in the economizing of heat."

2847. To Barnabas Russ, of Little Ilford, in the county of Essex, Engineer, for the invention of "improvements in the manufacture of gas, and in the apparatus connected therewith."

2848. And to Alexander Browne, of the firm of Browne and Company, Patent Agents, of 5, Southampton-buildings, Holborn, in the county of Middlesex, for the invention of "an improved system and apparatus for ascertaining at a glance any desired result in the multiplication of figures."—A communication to him from abroad by Joseph Louis Martiny, trading under the name of Joseph Louis Martiny and Company, of Paris, in the French Republic.

On their several petitions, recorded in the Office of the Commissioners on the 18th day of August, 1874.

2850. To Johann Ernst Friedrich Lüdeke, of Wilmot-place, Camden Town, in the county of Middlesex, for the invention of "improvements in machinery or apparatus for obtaining and applying motive power and in turbines and pumps applicable thereto, parts of which improvements are applicable to raising water and other liquids or fluids, and to other useful purposes."

2851. To John Ward Jones, of Holloway, in the county of Middlesex, for the invention of "improvements in the manufacture of clips, slides, or fastenings for boots, shoes, and other like purposes."

2852. To Peter Cameron, of Salford, in the county of Lancaster, for the invention of "improvements in the construction of portable tables."

2854. To Henry George Avery, of No. 28, Clifton-road, Down's Park-road, Hackney, in

the county of Middlesex, Stay and Corset and Busk and Bodice Fastening Manufacturer, for the invention of "an improvement in ladies' dress suspenders."

2856. To Frederic Whaley, of Leeds, in the county of York, for the invention of "improvements in pistons."

2857. To Thomas Newcomb and Thomas Henry Newcomb, both of Old Kent-road, in the county of Surrey, Engineers, for the invention of "improvements in machinery for cutting wood."

2858. To Thomas Appleton, of 296, Lower Broughton-road, Manchester, in the county of Lancaster, for the invention of "improvements in the manufacture of stockings in circular knitting frames."

2859. To Joseph Booth, of Radford-road, New Basford, Nottingham, for the invention of "improvements in apparatus for the manufacture of fabrics in twist lace machines."

2860. To William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for the invention of "improvements in chucks for holding tools in lathes and other like machines."—A communication to him from abroad by Frank Armstrong, of Bridgeport, Connecticut, United States of America.

2861. To Frederick Page, of Coventry, in the county of Warwick, Ribbon Weaver, for the invention of "improvements in looms for weaving."

2862. To Christopher Williamson, of Leighton Buzzard, in the county of Bedford, Draper, for the invention of "improvements in the manufacture of crinolines and bustles."

2863. And to John Lawson, of Leeds, in the county of York, Engineer, for the invention of "improvements in machinery for preparing flax, jute, hemp, and similar fibrous substances."

On their several petitions recorded in the Office of the Commissioners, on the 19th day of August, 1874.

2864. To John Henry Carter and John Henry Carter, the younger, both of Park-square, Leeds, in the county of York, for the invention of "improvements in apparatus employed for collecting fares, checks, or tickets in public conveyances, theatres, and other places."

2865. To Charles Lambert, of Sunk Island, Hull, in the county of York, for the invention of "improved gutterings or water courses for buildings and appliances connected therewith."

2866. To Sebastian Anderson, of East Hainault Lodge, Chigwell-row, in the county of Essex, for the invention of "improvements in apparatus for facilitating the cutting of corks, bungs, shives, and other similar articles, into parallel, round, or tapered shape."

2867. To William Truswell, of Sheffield, and Richard Wainman Holden, of Sheffield, both in the county of York, for the invention of "improvements in the construction of stoves or other heating apparatuses for warming and ventilating public and private buildings, hothouses, drying houses, and Turkish baths."

2868. To William Gibson, of Manchester, in the county of Lancaster, for the invention of "improvements in the construction of spindles employed in mules for spinning cotton and other fibrous substances."

2869. To William Fothergil Batho, of Westminster, for the invention of "improvements in permanent way of railways."—A communication to him from abroad by Bradford Leslie and Guildford Molesworth, of Calcutta, India.