

of the Commissioners on the 17th day of July, 1877.

2744. To Robert Marston, of Leicester, in the county of Leicester, Dentist, for the invention of "improvements in dental appliances."

2746. To Timothy Coleman Blanchflower, Timothy Coleman Blanchflower, junior, and John Coleman Blanchflower, trading under the style or firm of Blanchflower and Sons, of Great Yarmouth, in the county of Norfolk, for the invention of "improvements applicable to provision and other closed cases or boxes to facilitate the opening thereof."

2748. To Edouard Carl Friedrich Otto, of Albany-street, in the county of Middlesex, for the invention of "improvements in bicycles, such improvements being partly applicable to other purposes."

2750. And to Louis Stean, of East-road, in the county of Middlesex, Furrier and Glove Manufacturer, for the invention of "improvements in gloves and in fastenings for the same and other like articles."

On their several petitions, recorded in the Office of the Commissioners on the 18th day of July, 1877.

2754. To Frank William Haddan, of the firm of Herbert and Company, Patent Agents, of 67, Strand, in the city of Westminster, Civil Engineer, for the invention of "improved apparatus and process for separating silver and other precious metals from lead."—A communication to him from abroad by Asahel Knowlton Eaton, of Brooklyn, State of New York, United States of America.

2756. To George Henry Ellis, of No. 42, Hart-street, Bloomsbury, in the county of Middlesex, Engineer, for the invention of "improvements in knife cleaning machines."

2758. To Francis Goold Morony Stoney, of the Westminster-chambers, in the county of Middlesex, Civil Engineer, for the invention of "improvements in sluices or watergates."

2762. To Charles Catley, of No. 2, New Walk-terrace, in the city of York, for the invention of "improvements in steam turning ploughs, also applicable as cultivators."

2764. And to Julius Frederick Moore Pollock and Frederic Christopher Wyvill, both of Longclose Works, Newtown, Leeds, in the county of York, Engineers, for the invention of "improvements in machinery for pressing bricks and other articles."

On their several petitions, recorded in the Office of the Commissioners on the 19th day of July, 1877.

2766. To William Canham, of Liverpool, in the county of Lancaster, Engineer, for the invention of "improvements in pumps."

2768. To Eustace Carey Prentice, of Stowmarket, in the county of Suffolk, for the invention of "improvements in the treatment of gun cotton."

2769. To James Bowron, junior, of Stockton-on-Tees, in the county of Durham, for the invention of "improvements in the manufacture of wheels for machinery, railway rolling stock, and other purposes, and in the apparatus to be used therefor."—A communication to him from abroad by James Bowron, senior, of South Pittsburg, Tennessee, U.S.A., and Albert Livingstone Blackman, of Nashville, Tennessee, U.S.A.

2770. To Alexander MacMillan, of the city of London, Manufacturer, for the invention of "improvements in solitaires, studs, and other fastenings."

2772. To Ernest de Pass, of Fleet-chambers, 68, Fleet-street, in the city of London, Patent Agent, for the invention of "certain improvements in Bozérien's 'baromotor.'"—A communication to him from abroad by Gaston Eugène Elie Bozérien, of 17, Boulevard Saint Martin, Paris, France.

2774. To Edmund Edwards, of 40, Southampton-buildings, Chancery-lane, in the county of Middlesex, Engineer and Patent Agent, for the invention of "improvements in apparatus for drilling holes in rocks or other hard substances, and in machinery for compressing air for the purpose of actuating such apparatus, parts of which improvements are also applicable to other purposes."

2778. To William Coppin, of 32, Camberwell New-road, in the county of Surrey, for the invention of "improvements in apparatus for winding up wire and other rope."

2780. And to Albion Vile, otherwise known as Albert Vile, of the town and county of the town of Southampton, for the invention of "improvements in compound steam engines."

On their several petitions, recorded in the Office of the Commissioners on the 20th day of July, 1877.

2782. To William Swales, of New Shoreham, in the county of Sussex, Harbour Master, for the invention of "an improved dredging bucket or spoon."

2784. To George Clark, of No. 93, York-road, Lambeth, in the county of Surrey, for the invention of "improvements in roller and runner skates."

2786. To Alexander Jardine Alderman, of No. 3, Capel-terrace, Tredegar-square, Bow, Middlesex, Gentleman, for the invention of "improvements in ships' windlasses and capstans."

2788. To William Toplady Fewtrell, of Great George-street, in the city of Westminster, for the invention of "an improvement in the manufacture of paper, whereby fraud is prevented."

2790. And to Samuel Brooks, of the Union Iron Works, West Gorton, near Manchester, Machine Maker, for the invention of "improvements in machinery for spinning and doubling."

On their several petitions, recorded in the Office of the Commissioners on the 21st day of July, 1877.

2792. To William Sharp Taylor, of Liverpool, in the county of Lancaster, for the invention of "improvements in and relating to apparatus for generating carbonic acid for the manufacture of aerated waters, and for other purposes."

2794. To Addison Molyneux Potter, of Heaton, near Newcastle-upon-Tyne, in the county of the same name, Mining Engineer, for the invention of "improvements in bolts for securing railway fish plates."

2796. To Edward Russell Morris, of Birmingham, in the county of Warwick, Engineer, for the invention of "improvements in appliances for securing cuffs, wristbands, and other articles of apparel, and for attaching such articles to other parts of wearing apparel."

2798. To William Welch, of Aston, near Birmingham, in the county of Warwick, Mechanical Engineer, for the invention of "improvements in steam boiler and other furnaces."

2800. To John Moysey, of Leytonstone, in the county of Essex, for the invention of "improvements in machinery for propelling vessels."

2801. To Pierre Paul Egide Marie Koch, of 86, Boulevard Leopold, Antwerp, in the Kingdom