

2852. To Richard Bourne Turner, of Redditch, in the county of Worcester, Needle Manufacturer, and Joseph Welch, of Redditch aforesaid, Watchmaker, for the invention of "improvements in needle cases or needle holders."

2854. And to John Robertshaw, of Halifax, in the county of York, Machine Wool Comber, for the invention of "improvements in machinery to be employed for combing wool and other fibres."

On their several petitions, recorded in the Office of the Commissioners on the 29th day of October, 1870.

2858. To John Hawkins, Joseph Hawkins, James Hawkins, Henry Hawkins, and Charles Willson Hawkins, of Preston, in the county of Lancaster, Cotton Spinners and Manufacturers, and John Cuerdale, of the same place, Spinning Master, for the invention of "improvements in mules for spinning."

2862. To William Robert Lake, of the firm of Haseltine, Lake, and Co., Southampton-buildings, London, Patent Agents, for the invention of "improvements in looms for weaving."—A communication to him from abroad by Enoch Provolt Terrel, of West Liberty, Ohio, United States of America.

2864. To John Berger Spence, of Manchester, in the county of Lancaster, Merchant, for the invention of "improvements in the preparation of manures from tribasic phosphates."

2866. To John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for the invention of "improvements in the manufacture of acids and alkaline salts."—A communication to him from abroad by Haydn Mozart Baker, of Williamsburg, in the State of New York, United States of America.

2868. And to John Brooks, of Glasgow, in the county of Lanark, North Britain, for the invention of "improvements in the bushes of pulley blocks for ships or vessels."

On their several petitions, recorded in the Office of the Commissioners on the 31st day of October, 1870.

2870. To William Hammant, of 32, Bouverie-street, Fleet-street, in the city of London, Managing Clerk, for the invention of "a new or improved instrument for cutting off the ends of boiled eggs."

2872. To Albert Marcius Silber, of the firm of Silber and Fleming, of Wood-street, Cheapside, in the city of London, Merchants, and Frederick White, of Camberwell, in the county of Surrey, Watchmaker, in the employment of the said firm for the invention of "improvements in apparatus for lighting."

2874. To Joshua Woodcock, of Dewsbury, in the county of York, Dyer, and James Coulter, of the same place, Engineer, for the invention of "improved means or machinery for indigo-blue dyeing."

2876. To William Edward Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Civil Engineer, for an invention of "improvements applicable to safes, vaults, and other structures for containing valuable property, and in alarm apparatus or telegraphs connected therewith."—A communication to him from abroad by Edwin Holmes, of Brooklyn, in the State of New York, and Henry Clay Roome, of Jersey, in the State of New Jersey, United States of America.

2878. To Stephen Tuddenham, of Lower Marsh, Lambeth, in the county of Surrey, Engineer, for the invention of "improvements in the

construction of metal gates, applicable also to tie rod couplings, hinges, for shop blind arms, and other useful purposes."

2880. And to Thomas Baker, of Ilford, in the county of Essex, Gentleman, for the invention of "improvements in boots and shoes."

On their several petitions, recorded in the Office of the Commissioners on the 1st day of November, 1870.

2882. To Alexander McNeile and James Slater, both of No. 26, John-street, Pentonville-road, in the county of Middlesex, Engineers, for the invention of "improvements in the wheels of vehicles to run on common roads."

2884. To Otto Trossin, of 4, Museum-street, London, Citizen of Prussia, for the invention of "a new mode or apparatus for obtaining and applying motive power."

2886. To John Nathaniel Lessware, of Bow-road, in the county of Middlesex, Coppersmith and Engineer, for the invention of "improvements in centrifugal drying machines or hydro-extractors."

2888. To Robert John Hilton, of Belfast, in the county of Antrim, in Ireland, Tobacco Manufacturer, for the invention of "improvements in machinery for manufacturing tobacco."

2890. And to Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in apparatus for producing and applying motive power."—A communication to him from abroad by John Madison Cayce, Wiley Blount Barfield, and James McEwen, all of Franklin, Williamson County, State of Tennessee, United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 2nd day of November, 1870.

2894. To Richard Bewley, junior, of Uttoxeter, and Isaac Cotton, of Longton, both in the county of Stafford, for the invention of "improvements in machinery for grinding, particularly applicable for grinding gold and other expensive colors used by potters and others."

2896. To John Jones, of Manchester, in the county of Lancaster, and Howard Busby Fox, of Oxton, in the county of Chester, for the invention of "an improved means or apparatus for raising and lowering windows, particularly applicable to railway and other carriage windows."

2898. To James Howard, of Bedford, in the county of Bedford, Agricultural Engineer, and Thomas Phillips, of the same place, Foreman Smith, for the invention of "improvements in ploughs."

2902. To Frederick Thomas Stokes, of Birmingham, in the county of Warwick, Manager, of Works, for the invention of "improvements in metallic bedsteads."

2904. To Samuel Oram, of No. 4, Kempson-road, Walham Green, in the county of Middlesex, S.W., for the invention of "improvements in machinery and apparatus for tilling land by steam, and for other purposes."

2906. And to Thomas Arthur Dillon, of the city of Dublin, Ireland, for the invention of "improved methods of, and apparatus for, utilising the waste and spare or live steam waste and spare heat and waste and spare momentum of locomotive and other steam engines."

On their several petitions, recorded in the Office of the Commissioners on the 3rd day of November, 1870.