

"improvements in lamps, which improvements are partly applicable to other vessels for containing liquids."—A communication to him from abroad by Charles Chinnock and Francis Thill, both of Brooklyn, New York, United States of America.

646. To Edward Field, of the firm of Field, Field, and Cotton, of 22, Buckingham-street, Adelphi, in the county of Middlesex, Consulting Engineer, for the invention of "improvements in treating fatty and oily matters and apparatus therefor."

647. And to Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in the saccharification of amylaceous matter."—A communication to him from abroad by the firm of E. Delarue and Company, of Paris, France.

On their several petitions, recorded in the Office of the Commissioners on the 15th day of February, 1878.

650. To George Johnson, of 22, Constitution-hill, Birmingham, in the county of Warwick, Furniture Dealer, for the invention of "an improvement in the application of vulcanized india-rubber to the bases or bottoms of articles made of china, earthenware, glass, or other similar and brittle substances."

651. To Frederick Leonardt, of Birmingham, in the county of Warwick, Merchant and Manufacturer, and John Craig, of Birmingham aforesaid, Machinist, for the invention of "improvements in safety apparatus for mine cages, which improvements are also applicable to lifts, for warehouses, hotels, and other places."

652. To Johann Schultz, of Alter Steinweg, 19, Hamburg, for the invention of "improvements in machines for corking bottles."

653. To William Bown, of Birmingham, in the county of Warwick, Manufacturer, for the invention of "certain improvements in apparatus for clipping or shearing horses and other animals."

654. To William Tighe Hamilton, M.A., of Rathmines, Dublin, Ireland, for the invention of "an improved mode of and apparatus for cutting the teeth of mitre and bevil wheels, and also for giving an improved form to the teeth of other wheels."

655. To Thomas William Milton, of Birmingham, in the county of Warwick, Merchant, for the invention of "improvements in joining the parts of boxes or other receptacles usually constructed with dovetailed joints."

656. To Albert Marcius Silber, of No. 49, Whitecross-street, in the city of London, Merchant, for the invention of "improvements in apparatus for signalling by means of lamps."

657. To Eric Hugo Waldenström and William Sumner, both of Manchester, in the county of Lancaster, Engineers, for the invention of "improvements in machinery for rolling metal."

658. To William Laidlaw and Thomas Fairgrieve, both of Ludhope Mills, Galashiels, in the county of Selkirk, North Britain, Yarn Spinners, for the invention of "improvements in the manufacture of yarn, and in the carding machinery connected therewith."

659. To John Thomas Weaver, of Brighton, in the county of Sussex, for the invention of "improvements in fasteners or apparatus for suspending or holding dresses or other articles."

660. To Ambrose Hudd Smith, of Clifton, Bristol, in the county of Gloucester, for the invention

of "improvements in locks, latches, or such like fastenings."

661. And to John Pickering, of Cubitt Town, Poplar, in the county of Middlesex, for the invention of "improvements in grinding mills."

On their several petitions, recorded in the Office of the Commissioners on the 16th day of February, 1878.

663. To Henry Conradi, of 8, Lower James-street, Golden-square, in the county of Middlesex, for the invention of "an improved safety and inexplorable lamp without wick."—A communication to him from abroad by Paul Haedicke, Medical Student, of Berlin, in Prussia, Germany.

665. To David Joy, of Barrow-in-Furness, in the county of Lancaster, for the invention of "improvements in steam boilers and in the fittings connected therewith."

667. To Henry Gardner, of No. 40, Fleet-street, in the city of London, Patent Agent and Mechanical Draughtsman, for the invention of "improvements in combined walking sticks and umbrellas or parasols."—A communication to him from abroad by Jean Baptiste Roques (Merchant), and François Fonquernie (Mechanician), both residing at Toulouse, France.

669. To William Mesny, of Great Portland-street, in the county of Middlesex, Officer in the Imperial Chinese Government Service, for the invention of "improved arrangements for life belts, whereby they are rendered also available as pillows."

671. And to Jacob Scott Matthews, of Penarth, near Cardiff, in the county of Glamorgan, Gentleman, for the invention of "improvements in apparatus for manœuvring ships."

On their several petitions, recorded in the Office of the Commissioners on the 18th day of February, 1878.

675. To Henry Conradi, of 8, Lower James-street, Golden-square, in the county of Middlesex, for the invention of "an improved hydraulic power collector, and reservoir or regulator."—A communication to him from abroad by Rudolph Büttner, in Sorau, in the Empire of Germany.

677. To George Webb, of Limehouse, in the county of Middlesex, Builder, for the invention of "improvements in the manufacture of ice, and in the machinery or apparatus employed therein, parts of which are also applicable to other cooling and refrigerating purposes."

679. To Thomas Mayhew Bear and Thomas Roy-lance, both of Colchester, in the county of Essex, Sewing Machine Makers, for the invention of "an improved machine for fret cutting, drilling, moulding, carving, polishing, and turning."

681. 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 "improvement in wheels."—A communication to him from abroad by Isidore Bourke, M.D., Surgeon-Major in the British Army, of Barrackpore, East Indies.

683. To Arthur Charles Henderson, of 6, Southampton-buildings, Holborn, in the county of Middlesex, Patent Agent, for the invention of "improvements in the mode of cleaning greasy wool and freeing it from foreign or extraneous matters."—A communication to him from abroad by the firm of G. Bellot and Douine, Manufacturers, of Reims, in the Department of Marne, in the Republic of France.