

3462. To Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for the invention of "improvements in valve gear for motive power engines."—A communication to him from abroad by Johann Radinger, of Vienna, in the Empire of Austria.

3463. To Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in apparatus for reefing and furling ships' sails."—A communication to him from abroad by John Edward Worthman, of Mobile, county of Mobile, State of Alabama, United States of America.

3464. To William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for the invention of "improvements in the manufacture of metal rods and wire, and in apparatus therefor."—A communication to him from abroad by Benjamin Augustus Mason, of the city and State of New York, United States of America.

3466. And to William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for the invention of "an improved method of manufacturing copper-covered iron or steel wire."—A communication to him from abroad by Selah Hiler, of the city and State of New York, United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 21st day of December, 1871.

3470. To Friedrich Leonardt, of Birmingham, in the county of Warwick, Manufacturer, for the invention of "improvements in lubricators for lubricating the shafts and bearings of machinery and other rotating bodies."—A communication to him from abroad by Melchior Klosak, of Vienna, Civil Engineer.

3471. To William Henry Yeomans, of Astwood Bank, near Redditch, in the county of Worcester, Needle Manufacturer, for the invention of "an improvement or improvements in sewing machine needles."

3472. To John Stephen Jarvis, one of the Managers for Dent, Allcroft, and Company, of 97, Wood-street, in the city of London, for the invention of "improvements in shirt fronts."

3473. To Edward Thomas Hughes, of the firm of Hughes and Son, Patent Agents, 123, Chancery-lane, London, for the invention of "improvements in machinery for drawing or rolling rods or bars into straight or conical forms for shafting axles, spindles, and analogous purposes."—A communication to him from abroad by Henry Kellogg, of Milford, in the county of New Haven, and State of Connecticut, United States of America.

3476. To Edward Thomas Hughes, of the firm of Hughes and Son, Patent Agents, 123, Chancery-lane, London, for the invention of "improvements in silk reels for dressing flour."—A communication to him from abroad by William Dunham, of Rouen, France.

3477. To John William Willans Shaw, of Rochdale, in the county of Lancaster, for the invention of "an improved depilatory composition for hides and skins."—A communication to him from abroad by Jules Watteau, of Antwerp, in the Kingdom of Belgium.

3478. To Jesse Ascough, of Handsworth, in the county of Stafford, for the invention of "improvements in the manufacture of candles and in apparatus to be employed therein."

3479. And to William Bex, of the town of Northampton, in the county of Northampton, Carpenter, and Eli Morris, of the same town, Clicker, for the invention of "improvements in making and fixing the heels of boots and shoes and in apparatus therefor."

On his petition, recorded in the Office of the Commissioners on the 22nd day of December, 1871.

3480. To Luke Woodward, of the firm of Messrs. Moses, Mellor, and Sons, of Awkright-street, Nottingham, for the invention of "improvements in apparatus for the manufacture of stockings, and such like articles."

3481. To William Tatham, of the firm of William Tatham and Company, of Vulcan Works, Rochdale, in the county of Lancaster, Machine Makers, in which firm William Tatham and William Twcedale Heap are the co-partners, for the invention of "improvements in carding engines and drawing frames."

3483. To David Hunter Brandon, Engineer, of 13, Rue Gaillon, Paris, France, for the invention of "improvements in the construction of water meters and motors or engines."—A communication from Valentine Fogerty, a person resident at Boston, Massachusetts, United States of America.

3484. To Henry Barrett and Charles George Elers, both of Dacre-street, in the city of Westminster, Aërated Water Manufacturers, for the invention of "improvements in stoppers for bottles for gaseous or aërated liquids."

3486. To Henry James Fenner, of No. 4, Park-place, Greenwich, in the county of Kent, Oil Refiner, and Frederick Versmann, of No. 150, Fenchurch-street, in the city of London, Ph. D., Consulting and Analytical Chemist, for the invention of "improvements in obtaining anthracene."

3487. To George Wightman, of Elksley, near Retford, in the county of Nottingham, Engineer, for the invention of "improvements in pumps and hydraulic, steam, and other engines."

3488. And to Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "an improvement in infants' head dresses."—A communication to him from abroad by Louise Elvira Love, of the city, county, and State of New York, United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 23rd day of December, 1871.

3489. To William Zenas Winslow Chapman, of the city, county, and State of New York, United States of America, Surgeon Dentist, for the invention of "improvements in fastenings for carriage curtains and other like purposes."

On his petition, recorded in the Office of the Commissioners on the 26th day of December, 1871.

3490. To Robert Purdy Tickle, of 29, Sherborne-street, Blandford-square, in the county of Middlesex, Printing Machine Manager, for the invention of "a new iron bed for mounting stereotype or other plates, and for securing such plates in the position required for printing from."

3491. To Henry Crowley, of the city of Manchester, Iron Founder, for the invention of "certain improvements in looms for weaving."—A communication to him from abroad by William Grninder, of Reutlingen, in the Kingdom of Wurtemberg.