

2449. And to John Lawson, of Leeds, in the county of York, Engineer, and Edward Gerrard Fitton, of Leeds aforesaid, Engineer, for the invention of "improvements in spinning flax, hemp, jute, and tow, and in machinery employed for these purposes."

On their several petitions, recorded in the Office of the Commissioners on the 16th day of August, 1869.

2451. To Robert Harvey Charsley, of Beaconsfield, in the county of Buckingham, for the invention of "a new or improved carriage for locomotion by manual labour."

2455. To John Williams, of Wigginton Rectory, Oxon, Clerk, for the invention of "improvements in maps and in scientific and educational diagrams to facilitate references and ascertain distances."

2457. To Robert Francis Fairlie, of Victoria-chambers, Westminster, in the county of Middlesex, Engineer, for the invention of "improvements in locomotive engines and carriages, and in the mode of coupling the same together."

2459. And to William Robert Lake, of the "International Patent Office," No. 8, Southampton-buildings, London, Consulting Engineer, for the invention of "improvements in pen-holders."—A communication to him from abroad by Louis Dezarnaud, of Paris, in the Empire of France.

On their several petitions, recorded in the Office of the Commissioners on the 17th day of August, 1869.

2461. To John Checketts, of No. 13, Raglan-street, Wolverhampton, in the county of Stafford, for the invention of "an improved window blind."

2467. To Thomas Parkinson, of Liverpool, in the county of Lancaster, Engineer, for the invention of "improvements in or connected with doors for regulating the admission of air to furnaces."

2473. And to Joseph Mitchell, of Sheffield, in the county of York, Engineer, for the invention of "improvements in machinery for forging, stamping, tilting, swaging, hammering, or planishing metals."

On their several petitions, recorded in the Office of the Commissioners on the 18th day of August, 1869.

2476. To John Jabez Edwin Mayall, of Brighton, in the county of Sussex, Gentleman, for the invention of "improvements in obtaining motive power, and in the machinery or apparatus employed therein, parts of which improvements are applicable to the forcing and exhausting of air."

2477. To William Campion, of the town and county of the town of Nottingham, Sewing Machine Manufacturer, for the invention of "improvements in sewing machines."

2478. To Archibald Gilchrist, of Glasgow, in the county of Lanark, North Britain, Engineer and Shipbuilder, for the invention of "improvements in slide valves."

2479. To Henri Nicolas Moyon, Shoe Maker, and Jacques Eugène Lemercier, Mechanician, both of 2, Rue Ste. Appoline, Paris, in the Empire of France, for the invention of "improvements in machinery for the manufacture of coverings for the feet, together with apparatus and instruments connected therewith."

2481. To John Blakey, of Leeds, in the county of York, Boot and Shoe Manufacturer, for the invention of "improved means and apparatus for utilizing waste leather, or the small pieces

of leather resulting from the cutting out of the several parts for boots and shoes."

2482. To Frederick Braby, of Fitzroy Works, Euston-road, in the county of Middlesex, for the invention of "improvements in the means and apparatus for the manufacture of caustic ammonia and ammoniacal salts."

2484. To Samuel Robinson, of Eleven, Westland-row, in the city of Dublin, Builder, for the invention of "improvements in the construction of glass houses for horticultural and other purposes."

2485. To John Jones, of Walton-terrace, South Lambeth-road, in the county of Surrey, Engineer, for the invention of "improvements in apparatus for applying electro-magnetism as a motive power to carriages, boats, and machinery in general."

2486. And to William Robert Lake, of the "International Patent Office," No. 8, Southampton-buildings, London, Consulting Engineer, for the invention of "improvements in screw propellers."—A communication to him from abroad by Frederick Wittram, of San Francisco, California, United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 19th day of August, 1869.

2487. To William Seddon Sutherland, of No. 4, Clayton-square, Liverpool, Engineer, for the invention of "improvements in welding or uniting plates, tubes, and other forms of iron or steel, and in means or apparatus employed therein."

2488. To Atwood Wigzell, of Sowerby, near Halifax, in the county of York, Engineer, for the invention of "certain improvements in steam boilers."

2490. To William Byrne, of Belfast, Ireland, Distiller, for the invention of "improvements in the process of distilling alcoholic liquors and in apparatus for that purpose."

2491. To Henry James Hogg King, of Glasgow, in the county of Lanark, North Britain, Engineer, for the invention of "improvements in apparatus for measuring, indicating, and regulating the flow or passage of liquids."

2492. To Louis Brunot Fortin, of Paris, in the Empire of France, Felt Manufacturer, and James Ferrabee, of Brimscombe, near Stroud, in the county of Gloucester, Engineer, for the invention of "improvements in machinery for the manufacture of bats for felting, and other purposes."

2493. And to Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for the invention of "an improvement in the process of manufacturing paint."—A communication to him from abroad by Stephen Rowe Bradley, 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 20th day of August, 1869.

2494. To William Allan, of Liverpool, in the county of Lancaster, Superintendent Marine Engineer, William Payne, of Liverpool aforesaid, Founder and Ships' Ironmonger, and Alexander Black Fraser, also of Liverpool aforesaid, Founder and Ships' Ironmonger, for the invention of "improvements in, and apparatus for, extinguishing fires in the holes or below decks of navigable vessels, whether arising from spontaneous combustion or other cause."