

of the Commissioners on the 1st day of May, 1868.

1432. To John Heaton, of Langley Mill, in the county of Derby, Consulting Engineer, for the invention of "improvements in reverberatory and other furnaces."

1433. To Frederic Barnett, of No. 164, Rue de Rivoli, in the city of Paris, in the Empire of France, Merchant, for the invention of "an improved unspillable pail or vase."

1436. To Thomas Hawkes, Frederick William Spencer and George Spencer, Agricultural Engineers, and Joseph Stenner, Foreman, all of Tiverton, in the county of Devon, for the invention of "an improved seed and manure drill, parts of which invention are also applicable to other similar agricultural implements."

1437. To Edwin Gillard Camp, of 37, College-green, in the city and county of Bristol, Toy Vendor, for the invention of "improvements in mallets used in playing the game of croquet and in similar games."

1438. To Leedham Binns, of the firm of Binns, Hillam, and Company, of Brighouse, in the county of York, Worsted Manufacturers, for the invention of "improvements in looms for weaving."

1439. To Henry Young Darracott Scott, of Ealing, in the county of Middlesex, Lieutenant-Colonel in the Royal Engineers, for the invention of "improvements in kilns for burning lime and cement."

1441. To Augustus Smith, of Stratford, in the county of Essex, for the invention of "improvements in apparatus to be used in connection with furnaces for burning creosote and other combustible liquids."

1442. To James Edward Boyce, of Birmingham, in the county of Warwick, Manufacturer, and Robert Harrington, of Birmingham aforesaid, Warehouseman, for the invention of "improvements in umbrellas and parasols."

1443. To John Henry Johnson, of No. 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for the invention of "improvements in apparatus for exhibiting minute photographic pictures and in pictures or slides to be used therewith."—A communication to him from abroad by the incorporated Company, "Langlois and Company," of Paris, in the Empire of France.

1445. To John Leggett Budden, of Fenchurch-street, in the city of London, for the invention of "improvements in machinery or apparatus for drying wool or for discharging moisture from fibrous, granular, or other materials."—A communication to him from abroad by Woodford Pilkington, Civil Engineer, of Cape Colony, Cape of Good Hope.

1447. And To William Robert Lake, of the "International Patent Office," No. 8, Southampton-buildings, Chancery-lane, in the county of Middlesex, Consulting Engineer, for the invention of "improvements in dynamometers"—A communication to him from abroad by Charles Neer, of Brooklyn, New York, United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 2nd day of May, 1868.

1448. To Howard Glover, of No. 13, New Church-street, Bermondsey, in the county of Surrey, Engineer, for the invention of "improvements in means for retaining corks or other stoppers in bottles."

1449. To William Edward Gedge, of the firm of John Gedge and Son, of No. 11, Wellington-street, Strand, in the county of Middlesex, Patent Agent, for the invention of "an improved process of applying a coating of silver upon any animal, vegetable, or mineral substance."—A communication to him from abroad by Artus Claude Loddé, Junior, of 293, Rue St. Denis, Paris, France.

1450. To Albert Vickers, of Inverness-terrace, Bayswater, in the county of Middlesex, Gentleman, for the invention of "an improved mode of locking the nuts of screw bolts."—A communication to him from abroad by William Mullins, of Pittsburgh, in the State of Pennsylvania, United States of America.

1451. To Ignace Mathci, of Anvers, Belgium, Merchant, for the invention of "improved apparatus for warehousing petroleum, mineral or essential oils, and other liquids."

1452. To Christopher Penrhyn Aston, of Chelsea, in the county of Middlesex, for the invention of "improvements in chimney tops or pots."

1453. To Jonas Wertheim and Louis Hirschhorn, carrying on business as Maurice Goldschmidt and Son, of Hatton-garden, in the county of Middlesex, for the invention of "improvements in lockets."—A communication to them from abroad by Henry Geissel, of Hanau, Prussia.

1454. To Thomas Pemberton and George Arthur Pemberton, both of Birmingham, in the county of Warwick, Brass Founders, for the invention of "improvements in alarm bells, call bells, and other bells."

1455. To Edward Morgan and George Henry Morgan, of Edgware-road, in the county of Middlesex, for the invention of "improvements in carriages."

1456. And to William Marshall, of Old Basford, in the county of Nottingham, Clipper of Lace and other fabrics, for the invention of "improvements in machinery or apparatus employed in the clipping of lace and other fabrics."

On their several petitions, recorded in the Office of the Commissioners on the 4th day of May, 1868.

1459. To David Pitcairn Wright, of the firm of Wright and Butler, of Birmingham, in the county of Warwick, Lamp Manufacturers, for the invention of "improvements in the manufacture of certain descriptions of taps."

1460. To William Taylor, of Woodstock-road, Poplar, in the county of Middlesex, for the invention of "improvements in the construction of iron and steel ships and other floating bodies, and in the mode of attaching or connecting and fixing wood planks to the sides and bottoms thereof to receive the metal sheathing and other external and also internal fittings of iron and steel ships and other floating bodies."

1461. To William Sketchley, of Weymouth, in the county of Dorset, Machinist, for the invention of "improvements in machinery for wood cutting joinery and mortising."

1462. To Charles William Siemens, of No. 3, Great George-street, Westminster, in the county of Middlesex, for the invention of "improvements in the manufacture of cast steel, and in working furnaces in connection therewith."

1463. To Charles Denton Abel, of No. 20, Southampton-buildings, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in axle-boxes for the rolling stock of railways."—A communication to him from abroad by Maximilian Schmid Von Schmidfelden, of Odessa, in the Empire of Russia, Civil Engineer.