

1415. To William Brookes, of 73, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in the manufacture of boxes and other hollow receptacles."—A communication.

1416. And to James Robert Napier, of Lancefield House, Glasgow, in the county of Lanark, Mechanical Engineer and Iron Ship Builder, and William John Macquorn Rankine, of Rosebank House, in the parish of Rutherglen, and county aforesaid, Civil Engineer, for the invention of "improvements in engines for developing mechanical power by the action of heat on air, and other elastic fluids."

On their several petitions, recorded in the Office of the Commissioners on the 9th day of June, 1853.

1417. To Auguste Chesneau, of Leicester, in the county of Leicester, Oil Merchant, for the invention of "a new method of obtaining steam power."

1419. To Josiah Moore, of Clerkenwell Close, in the county of Middlesex, Clock Manufacturer, for the invention of "improvements in respirators."

1420. To Samuel Frankham, of Greenland-place, Judd-street, in the county of Middlesex, Engineer, for the invention of "an improved construction of coupling joint applicable to pipes, vessels of capacity, and other like uses."

1421. 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 spinning machinery."—A communication.

1422. To Richard Archibald Brooman, of the firm of Robertson, Brooman and Company, of 166, Fleet-street, in the city of London, Patent Agent, for the invention of "improvements in the manufacture of paper."—A communication.

1423. And to Joseph Westwood and Robert Baillie, both of Poplar, in the county of Middlesex, Iron Ship Builders, for the invention of "improvements in the construction of iron ships."

On their several petitions, all recorded in the Office of the Commissioners on the 10th day of June, 1853.

1424. To Christopher Nickels, of the Albany-road, in the county of Surrey, and James Hobson, of Leicester, for the invention of "improvements in the manufacture of carpets and other piled fabrics."

1425. And to Christopher Binks, of Albert Villa, North Woolwich, in the county of Kent, for the invention of "improvements in dryers and in preparing drying oils for oil paints, varnishes, and other uses."

On both their petitions, recorded in the Office of the Commissioners on the 11th day of June, 1853.

1426. To Hugh O'Connor, of Frederick-street, Limerick, for an invention for "digging the soil by means of machinery with horse-power."

1427. To William Henry Smith, of Bloomsbury, in the county of Middlesex, Civil Engineer, for the invention of "improvements in the permanent way of railways."

1428. To William Smith, Manufacturer, of Sheffield, in the county of York, for the invention of "improvements in the mode of manufacturing metallic handles for knives and forks, backs for razors, bows for scissors, and the relative parts of such like instruments."

1429. To John Marsh, Theophilus Marsh, James Marsh, and Walter Marsh, trading under the

style or firm of Marsh, Brothers, and Company, of Sheffield, in the county of York, Manufacturers, for the invention of "an improved mode of fastening the handles of table knives and forks."

1430. To Joseph Spencer, of Bilston, in the county of Stafford, Ironfounder and Engineer, for the invention of "a new or improved cupelo."

1431. To Thomas James Perry, of the Lozells, in the parish of Aston juxta Birmingham, in the county of Warwick, Engine Turner, for the invention of "an improvement or improvements in raising and lowering Venetian and other blinds, applicable also to the raising and lowering of other bodies."

1433. To William David Paine, of Thomas-street, Stamford-street, Lambeth, in the county of Surrey, Mechanical Engineer, and George Alfred Paine, of Clark's-mews, Saint Marylebone, in the county of Middlesex, Clock Maker, for the invention of "an improvement in the construction of steam boilers, and in steam boiler furnaces."

1435. To Robert Hopkins, of Manchester, in the county of Lancaster, Mechanical Engineer, for the invention of "improvements in machinery or apparatus for cutting and shaping cork-wood and other similar substances."

1436. And to Joseph Webb, of Mayfield-terrace, Dalston, in the county of Middlesex, for the invention of "improvements in obtaining motive power."

On their several petitions, recorded in the Office of the Commissioners on the 13th day of June, 1853.

1437. To William G. Craig, of Newport, Monmouth, Engineer, for the invention of "improvements in axle boxes, guides, and bearings of locomotive engines and carriages, parts of which improvements are applicable to the bushes and bearings of machinery."

1438. To Robert William Sievier, of Upper Holloway, in the county of Middlesex, Gentleman, and James Crosby, of Manchester, in the county of Lancaster, Manufacturer, for the invention of "improvements in looms for weaving."

1439. To Joseph H. Penny and Thomas B. Rogers, of the city and state of New York, America, for the invention of "a new and useful improvement in the manner of constructing machinery for propelling vessels and other machinery, which they term a crank propeller."

1440. To John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, and of Glasgow, North Britain, Gentleman, for the invention of "improvements in railway brakes."—A communication from Francis A. Stevens, of Burlington, in the state of Vermont, in the United States of America.

1441. To Thomas Richardson, of Newcastle-upon-Tyne, Manufacturer, for the invention of "improvements in the manufacture of certain salts of magnesia, and a red colouring matter."

1442. To Joseph Leon Talabot, of Chaussée d'Antin, No. 57, Paris, and John Davie Morris Stirling, of the Larches, near Birmingham, for the invention of "improvements in the manufacture of iron."

1443. 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 improved mode of manufacturing cast steel."—A communication.

On their several petitions, recorded in the Office of the Commissioners on the 14th day of June, 1853.