

of the Commissioners on the 1st day of October, 1875.

3424. To Stephen Kemp, of Hackney-road, in the county of Middlesex, Mechanic, and David Allen, of High-street, Shoreditch, in the same county, China Dealer, for the invention of "improvements in the construction of roller skates."
3426. To Frederick Hale Holmes, of West Brompton, in the county of Middlesex, Engineer, for the invention of "improvements in fog signals, which are also applicable to other signalling purposes."
3428. To Theo Aston, of the Temple, in the city of London, for the invention of "improvements in apparatus for repairing, restoring, and examining the sides and bottoms of ships."
3430. To Robert Harlow, of Heaton Norris, Stockport, in the county of Cheshire, for the invention of "improvements in valves."—A communication to him from abroad by Thomas Shaw, of Philadelphia, Pennsylvania, United States of America.
3432. To George Francis Bradbury, of Crumpsall House, near Manchester, in the county of Lancaster, Gentleman, and Henry Lomax, of Over Darwen, in the county of Lancaster, Sewing Machine Maker, for the invention of "improvements in sewing machines."
3434. To Herbert William Hart, of Sackville-street, Piccadilly, in the county of Middlesex, Professor of Dietetics, for the invention of "improvements in biscuits."
3436. And to John Stirling and Thomas Peacock, both of Coatbridge, in the county of Lanark, North Britain, for the invention of "improvements in utilizing waste heat."

On their several petitions, recorded in the Office of the Commissioners on the 2nd day of October, 1875.

3438. To Henry Denton, of Wolverhampton, in the county of Stafford, Agricultural Engineer, for the invention of "improvements in machinery for bending links for chain-harrows and for bending iron for other purposes."
3440. To Henry Jewitt, of Kentish Town, in the county of Middlesex, for the invention of "improvements in argand gas burners."—A communication to him from abroad by William Rose, of New York, United States of America.
3442. To John Robinson, of Rochdale, in the county of Lancaster, Engineer, and John Smith, of the same place, Engineer, for the invention of "improvements in the manufacture of clog blocks and clog soles, and in machinery or apparatus connected therewith."
3443. To Benjamin Alfred Oakes, of Rectory-road, Hornsey, Middlesex, for the invention of "improvements in apparatus for drying fruit, vegetables, and other matters for the better preservation thereof."—A communication to him from abroad by Andrew Jackson Reynolds, of Chicago, Illinois, United States of America.
3444. To George Haseltine, of the "International Patent Office," Southampton-buildings, London, Doctor of Laws, for the invention of "improvements in nail machines."—A communication to him from abroad by William Wickersham, of Boston, Massachusetts, United States of America.
3446. And to Frederick William Crohn, of 10, Hammers-terrace, Greenwich, in the county of Kent, and John Charles Raymond Okes, of 112, Maida-vale, in the county of Middlesex, for the invention of "improvements in combined engines and pumps."

On their several petitions, recorded in the Office

No. 24257.

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of the Commissioners on the 4th day of October, 1875.

3450. To James Erskine, of Dalbeattie, in the county of Kirkcudbright, North Britain, for the invention of "improvements in utilizing the waste heat escaping into the funnels of marine boilers and other chimneys, and in apparatus for heating feed water, or superheating steam thereby."
3451. To William Martin, Fustian Cutter, of the city of Manchester, in the county of Lancaster, for the invention of "an improved method of securing brooms or brushes to their handles."
3452. To Richard Hill, of Heywood, in the county of Lancaster, Thomas Collingwood, of Rochdale, in the same county, and Edward Collingwood, of Littleborough, in the same county, for the invention of "improvements in railway couplings, applicable also to the connections of the shafts with vehicles, or to parts through which tractive force is transmitted to vehicles."
3454. To Joseph Brown, of Hull, in the county of York, for the invention of "improvements in mounts for tobacco pipes."
3456. To John Rochford, of Number Six, Cabraparade, in the county of the city of Dublin, Mechanical Engineer, for the invention of "improvements in spring safety valves, and in the arrangement of parts constituting same."
3458. To Henry Carrick and John Dobson Wardale, of Gateshead on Tyne, Engineers, for the invention of "improvements in revolving furnaces."
3462. To William Hillman, of Coventry, in the county of Warwick, Machinist, for the invention of "improvements in sewing machines."
3464. And to Edward Joseph Halsey, of 79, Cornhill, in the city of London, for the invention of "improvements in stopping bottles."—A communication to him from abroad by Edward Arthur O'Brien, of New York, in the United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 5th day of October, 1875.

3466. To William Prosser, of the parish of St. Luke, Chelsea, in the county of Middlesex, Gentleman, for the invention of "improvements in lamps adapted to the electric light, and in the manipulation of the means employed for the supply of the electric fluid thereto."
3468. To Thomas Henry Johns, of Rhymney, in the county of Monmouth, Mechanical Engineer, for the invention of "improvements in machinery or apparatus for coating metallic sheets with other metals or alloys."
3470. To Henry Douglas Gough, of Handsworth, in the county of Stafford, Naval Pensioner, and Oliver Atree, of Aston, near Birmingham, in the county of Warwick, Accountant Clerk, for the invention of "improvements in differential pulleys for raising and lowering and sustaining or supporting loads or heavy loads."
3472. To Benjamin Joseph Barnard Mills, of the firm of Harris and Mills, of 23, Southampton-buildings, in the county of Middlesex, Patent Agent, for the invention of "improvements in battery guns."—A communication to him from abroad by James Patton Taylor, of Elizabethton, in the county of Carter, and State of Tennessee, United States of America, Mechanical Engineer.
3474. To Thomas Knowles, of Bolton, in the county of Lancaster, Cotton Spinner, for the invention of "improvements applicable to ma-