1540. To Isaac Blue Harris, of Castle Mills, Fountainbridge, Edinburgh, for the invention of "improvements in deckle straps used by

paper makers."

.1541. To Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for the invention of "improved apparatus for facilitating the feeding of brush making machines." -A communication to him from abroad by Hiram Cornelius Covert, of the city and State of New York, United States of America.

1542. To Octavius Dixie Deacon, of Leadenhallstreet, in the city of London, for the invention of "improvements in the construction of ship's boats to be used for preserving life at sea."

1543. To Samuel Shaw Lewis and George Lewis Hawkins, both of the city and State of New York, United States of America, now of No. 8, Southampton-buildings, London, for the invention of "an improved process of cleaning cuttonwaste and other fibrous materials.

1544. And to William Charles Stiff, of Birmingham, in the county of Warwick, Merchant and Manufacturer, for the invention of "improvements in fastenings for metallic hoops or bands used in baling cotton and other substances.

On their several petitions, recorded in the Office of the Commissioners on the 28th day of April, 1873.

1545. To James Cort, Engineer, of 7, Lower Bland-street, Dover-road, St. Mary, Newington, London, for the invention of "improvements in apparatus for drilling and tapping cast iron main pipes."

1546. To Peter Harris, Engineer, Robert Harris, Plumber, and William Love, Engineer, all of Glasgow, in the county of Lanark, North Britain, for the invention of "improvements in apparatus for regulating the speed of marine

engines."

1548. To John Barrow and William Barrow, both of Belgrave, in the county of Leicester, Brick Manufacturers, for the invention of "improvements in kilns."

- 1549. To Benjamin Joseph Barnard Mills, of the firm of Harris and Mills, of 35, Southamptonbuildings, in the county of Middlesex, Patent Agent, for the invention of "improvements in repeating ordnance, and in cartridges therefor." -A communication to him from abroad by James Patton Taylor, of Elizabethton, in the county of Carter, and State of Tennessee, Trustee for the Taylor Repeating Ordnance Association of Knoxville, Tennessee in the United States of America.
- 1550. To Henry Ciotti, of Palermo, Sicily, now of No. 60, Boulevart de Strasbourg, Paris, in the Republic of France, Gentleman, for the invention of "a new centrifugal and reacting
- 1551. To Alexandre Dobelle, of Amiens (France), Merchant, for the invention of "improved machinery for cleaning, sorting, and flattening grains, and especially oats."
- 1552. To Melchior Nolden, of Frankfort-on-the-Main, in the Empire of Germany, Engineer, for the invention of "an improved method of and apparatus for cleansing water from impurities."
- 1553. To Jules Blondel, of Neuville Vitasse (pas de Calais), and Eugéne Siméon Joseph Bruneau, of Arras (pas de Calais), for the invention of "improvements in boilers and furnaces, for generating steam."

1554. To William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, South ampton-buildings, London, for the invention of "improvements in printing telegraph apparatus."—A communication to him from abroad by William Francis Coffin, of the city and State of New York, United States of America.

1555. To Walter Brown, of 30, Pulross-road, Stockwell, in the county of Surrey, for the invention of "improvements in the treatment of sewage and in the manufacture of manure

therefrom."

1556. To Cutbert Russell, of 2, Talbot-court, Gracechurch-street, in the city of London, Engineer, for the invention of "improved apparatus for the mauufacture of nitrate of soda."-A communication to him from abroad by Robert Moore and Thomas Robert Williamson, both of Iquique, Peru, South America.

1557. To Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in the preparation and employment of indigo-blue dye."-A communication to him from abroad by Jerome Marble, of Worcester, county of Worcester, and State of Massachusetts, United States of America.

1558. And to John Toby Sprague, of Birmingham, in the county of Warwick, Electrician, for the invention of "improvements in instruments for measuring electric currents, resistances, and forces."

On their several petitions, recorded in the Office of the Commissioners on the 29th day of April,

- 1559. To Alexander Strange, F.R.S., Lieutenant-Colonel in Her Majesty's Indian Army (Retired), and Kenneth Henry Cornish, of York-road, Battersea Park, S.W., for the invention of "improvements in machinery for preparing, spinning, or throwing and doubling cotton, silk, wool, and other fibrous or filamentous substances."
- 1560. To Richard Roper, of No. 4, Albert-place, Lewisham High-road, New Cross, in the county of Kent, Contractor, for the invention of "a new or improved captain's bridge, constructed as a self-launching life-raft."
- 1562. To John Holroyd, of Manchester, in the county of Lancaster, Machinist, for the invention of "improvements in apparatus for bowling," or for projecting the balls used in the game of
- 1563. To Richard Hill, of Aston, near Birmingham, in the county of Warwick, Gun Maker, for the invention of "improvements in breech loading small arms."
- 1565. To John Stalib, senior, of Torquay, in the county of Devon, Carpenter and Builder, for the invention of "improvements in sash weights, and in the manner of attaching new cords or lines to window sashes and frames.
- 1566. To John Edward Barraclough, of Stanningley, near Leeds, in the county of York, Irontounder and Kitchen Range Manufacturer, for the invention of "improvements in kitchen ranges."
- 1567. To Edward William Augustus Bartlett, of Brighton, in the county of Sussex, for the invention of "improved means for the relief and cure of diseases of the feet.'
- 1568. To Henry Henson Henson, of No. 24, Laurence Pountney-lane, in the city of London, Civil Engineer, for the invention of "improvements in the construction of roads."