

1380. To James Fraser, of Liverpool, in the county of Lancaster, Stationer and Printer, for the invention of "improvements in colouring, dyeing, or staining webs or lengths of paper, pasteboard, cardboard, and millboard, and in apparatus or appliances therefor."
1382. To John Overend Evans, of Manchester, in the county of Lancaster, for the invention of "improvements in the construction of looms for weaving."
1384. To Robert Baillie, of the London Yard, Isle of Dogs, in the county of Middlesex, Ship-builder, for the invention of "improvements in ships of war."
1385. To Edward Thomas Hughes, of the firm of Hughes and Son, Patent Agents, 123, Chancery-lane, London, for the invention of "improvements in glass globes, chimneys, and shades for illuminating purposes and method of manufacturing the same."—A communication to him from abroad by "the Meriden Flint Glass Company," of Meriden, county of New Haven, and State of Connecticut, United States of America.
1386. To Fernand Dehaître, of the firm Pierron et Dehaître, of Boulevard Saint Denis, No. 1, at Paris, Mechanics, for the invention of "an improved machinery or apparatus for enlarging fabrics of all kinds."
1389. To Gordon Donaldson Peters, of Bunhill-row, in the city of London, Merchant and Manufacturer, has given the like notice in respect of the invention of "improvements in and relating to springs for railway carriage and other seats, and for similar purposes."
1390. And to William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for the invention of "an improved material for covering steam-boilers and other apparatus or vessels for preventing the escape or loss of heat from the same."—A communication to him from abroad by Georges Hoppenstedt, of Paris, France.

On their several petitions, recorded in the Office of the Commissioners on the 9th day of April, 1877.

1392. To Thomas James Smith, of the firm of Robertson, Brooman, and Company, of 166, Fleet-street, in the city of London, Patent Agents, for the invention of "an improved method of manufacturing liquid sulphate of alumina whereby it is rendered applicable to different industries in which sulphate of alumina is at present employed in the form of cake."—A communication to him from abroad by Emile Victor Constant Bichon, Chemical Manufacturer, a person residing at Montpellier, Herault, France.
1393. To James Ker Gulland, of the Westminster Palace Hotel, Victoria-street, in the city of Westminster, Mechanical Engineer, for the invention of "improvements in apparatus for boring or drilling in stone and other matters."
1394. To William Haddon, Worsted Spinner, and John Smith, Mill Manager, both of Luddenden Foot, in the parish of Halifax, in the county of York, for the invention of "improvements in machinery for spinning and doubling yarn."
1395. To John Swift Ellis, of Sheffield, in the county of York, Iron Founder, for the invention of "improvements in the process and apparatus for fumigating hothouses and green-houses."
1396. To George Henry Fish, of Manchester, in the county of Lancaster, for the invention of "improvements in machinery or apparatus for compressing air."

1397. To John Watkins, of 14, Parliament-street, Small Heath, Birmingham, in the county of Warwick, Engineer, for the invention of "improvements in axles for carriages, axle boxes, and oil caps."

1398. To John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for the invention of "improvements in steam boilers."—A communication to him from abroad by René Constant Duchesne, of Paris, in the Republic of France.

1399. To John Stephen Clarke, of 3, York-buildings, Dale-street, Liverpool, Surgeon, for the invention of "improvements in means and apparatus for scoring, recording, or registering play in the game of billiards, and for other purposes."

1401. To George Knowles, Junior, of Bolton, in the county of Lancaster, Cotton Spinner, and James Edward Hamer, of the same place, Mechanic, for the invention of "improvements in what are commonly called clearers for machines used in winding cotton and other fibrous yarns or threads."

1402. To Robert Storr Best, of Goole, in the county of York, Manufacturing Chemist, and Richard Morris, of Doncaster, in the county of York, Manufacturing Chemist, for the invention of "improvements in the production of sulphates of sodium and potassium."

1403. To Samuel Hughes McClellan, of Deptford, in the county of Kent, Watch Maker, for the invention of "an improved escapement for clocks and other time pieces."

1404. And to Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "an improved porous product or vehicle for combustible and other liquids, applicable as a fire lighter or vaporiser, and for other purposes."—A communication to him from abroad by Colonel Ferdinand Staaff and Charles Ostlund, both of Paris, France.

On their several petitions, recorded in the Office of the Commissioners on the 10th day of April, 1877.

1405. And John Jackson and Thomas Randolph Mellor, both of No. 84, King William-street, in the city of London, Civil Engineers, for the invention of "improved means and apparatus for evaporating liquids, applicable to the concentration of saccharine or saline solutions, distillation, and such like operations."

1406. To Thomas Moy, of 37, Farringdon-street, in the city of London, Engineer, for the invention of "improvements in steam boilers, steam engines, and in slide valves for steam engines."

1407. To William Wemyss Kennedy, of Glasgow, in the county of Lanark, North Britain, for the invention of "improvements in taps, cocks, or valves, the same being in part applicable to water gauges and analogous apparatus."

1408. To Laurence Hill, of Glasgow, in the county of Lanark, North Britain, Civil Engineer, for the invention of "improvements in apparatus for retarding and restarting tramway and other carriages."

1410. To Robert Hardie, of Govan, in the county of Lanark, Engineer, and John James, Bachelor of Science and Engineer, Edinburgh, in the county of Mid Lothian, for the invention of "improvements in apparatus for or connected with motive power engines worked by compressed air or other elastic fluid for the propulsion of tramway cars or other vehicles."