

580. And James Quin, of Leyland, near Preston, in the county of Lancaster, has given the like notice in respect of the invention of "improvements in the manufacture of india rubber valves."

589. And Walter Scott Carmichael, of Edinburgh, in Scotland, has given the like notice in respect of the invention of "improvements in the construction of ships and vessels."

As set forth in their respective petitions, both recorded in the said office on the 17th day of February, 1873.

591. And Arthur Charles Henderson, of the firm of Henderson and Company, British and Foreign Patent Agents, of No. 31, Charing-cross, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in the purification of water, and apparatus connected therewith, together with the mode of cleansing the same."—A communication to him from abroad by Gustave Demailly, Civil Engineer, of the city of Brussels, and Kingdom of Belgium.

596. And William Sambrook, of Liverpool, in the county of Lancaster, has given the like notice in respect of the invention of "improvements in heating the feed water of steam boilers, and in apparatus employed therefor."

As set forth in their respective petitions, both recorded in the said office on the 18th day of February, 1873.

656. And Murdoch Campbell, of Clonreher Castle, Maryborough, Queen's County, Ireland, has given the like notice in respect of the invention of "improvements in arrangements and apparatus for preparing peat, small coals, coal tar, petroleum, or other similar substances for fuel."

657. And William Dean, Gas Engineer, and John Keighley, Plumber, both of Bradford, in the county of York, have given the like notice in respect of the invention of "improvements in apparatus for raising beer or other liquids."

As set forth in their respective petitions, both recorded in the said office on the 21st day of February, 1873.

1037. And John William Augustus Taylor, of the Rookery, Headington, in the county of Oxford, Clerk, has given the like notice in respect of the invention of "certain improvements in the construction of fire places, specially adapted for economizing fuel and diffusing heat."

As set forth in his petition, recorded in the said office on the 20th day of March, 1873.

1076. And Henry Bessemer, of Denmark Hill, in the county of Surrey, has given the like notice in respect of the invention of "improvements in apparatus to be employed on board ship for controlling, regulating, and indicating the motions of suspended saloons, floors, or platforms, applicable also for the discharge of marine artillery."

As set forth in his petition, recorded in the said office on the 22nd day of March, 1873.

1116. And Joseph Emerson Dowson and Alfred Dowson, both of 3, Great Queen-street, in the city of Westminster, Civil Engineer, have given the like notice in respect of the invention of "improvements in tramways."

As set forth in their petition, recorded in the said office on the 26th day of March, 1873.

1417. And Thomas Carr, of the city and county of Bristol, Engineer, has given the like notice in respect of the invention of "improvements in disintegrators."

1427. And John Cartwright, of Sheffield, in the county of York, Billiard Table Maker, has given the like notice in respect of the invention of "improvements in the manufacture of back saws."

As set forth in their respective petitions, both recorded in the said office on the 19th day of April, 1873.

1508. And Thomas Alva Edison, of Newark, in the State of New Jersey, United States of America, has given the like notice in respect of the invention of "improvements in electric telegraphs."

As set forth in his petition, recorded in the said office on the 25th day of April, 1873.

1595. And Septimus Stephen Williamson, of Saundersfoot, in the county of Pembroke, Gentleman, and David Parsell, of the same place, Engineer, have given the like notice in respect of the invention of "improvements in steam engines."

1596. And Septimus Stephen Williamson, of Saundersfoot, in the county of Pembroke, Gentleman, and David Parsell, of the same place, Engineer, have given the like notice in respect of the invention of "improvements in apparatus for pumping, draining, and ventilating, and for obtaining and applying motive power especially for use underground."

As set forth in his petition, recorded in the said office on the 3rd day of May, 1873.

1657. And William Henchman, of Leeds, in the county of York, Machine Maker, has given the like notice in respect of the invention of "improvements in machinery or apparatus used in the preparation of flax, jute, hemp, tow, and other fibrous materials for spinning."

As set forth in his petition, recorded in the said office on the 8th day of May, 1873.

1696. And William Clark, of 232, Oxford-street, in the county of Middlesex, and Robert Martin, of Old Charlton, in the county of Kent, have given the like notice in respect of the invention of "improvements in apparatus employed for clipping or shearing horses or other animals."

As set forth in his petition, recorded in the said office on the 10th day of May, 1873.

1764. And the Reverend Granville Hamilton Forbes, Rector of Broughton, Northamptonshire, has given the like notice in respect of the invention of "an improved gypsum cement or plaster."

As set forth in his petition, recorded in the said office on the 14th day of May, 1873.

1786. And Alfred Evans Fletcher, of Liverpool, in the county of Lancaster, Chemist, has given the like notice in respect of the invention of "improvements in the manufacture of carbonates of soda and potash, and in apparatus employed therein."

1790. And Edward Bacon (junior), of 7, Somerleyton-road, Brixton, in the county of Surrey, Gentleman, has given the like notice in respect of the invention of "an improved needle threader."

As set forth in their respective petitions, both recorded in the said office on the 16th day of May, 1873.

1806. And Johann Ernst Friedrich Lüdeke, of 15, Wilmot-place, Camden Town, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in obtaining and applying motive power, and in the machinery and apparatus to be employed therein."