

4567. And Leon Petit, of St. Quentin, in the Department of the Aisne, and Republic of France, Engineer, has the like notice in respect of the invention of "improved mechanism for producing an automatic tension of chains upon all hand or mechanical weaving looms."

As set forth in his petition, recorded in the said office on the 25th day of November, 1876.

4719. And William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, has given the like notice in respect of the invention of "improvements in umbrellas, parasols, sun-shades, and other like articles."—A communication to him from abroad by Alfred Augustus Valentine, of the city of New York, and Henry Alfred Morrison, of Brooklyn, both in the State of New York, United States of America.

As set forth in his petition, recorded in the said office on the 6th day of December, 1876.

4779. And Walter Peter Cherry and Charles Edwin Cherry, both of Porter-street, Hull, in the county of York, Plumbers, have given the like notice in respect of the invention of "improvements in the manufacture of gas for illuminating and heating purposes, and in apparatus for the same, parts of which are applicable to other purposes."

4786. And William Edward Gedge, of No. 11, Wellington-street, Strand, in the county of Middlesex, Patent Agent, has given the like notice in respect of the invention of "an improved machine or apparatus for washing coal ores and other matters."—A communication to him from abroad by Arsène Rivière, of Rochelle d'Allais (Gard), France, Engineer.

As set forth in their respective petitions, both recorded in the said office on the 11th day of December, 1876.

4807. And Charles Ritchie, of Brixton, in the county of Surrey, Gentleman, has given the like notice in respect of the invention of "improvements in or applicable to apparatus for utilizing heat, for lighting, heating, and ventilating."

As set forth in his petition, recorded in the said office on the 13th day of December, 1876.

4882. And John Macdonald Moody, William Bertram Mitford Slade, and Thomas Henry Haynes, all of Paul's Wharf, in the city of London, have given the like notice in respect of the invention of "improvements in the construction of spring mattresses."—A communication to them from abroad by the Howe Spring-Bed Company (Incorporated), of New York, in the United States of America.

4888. And Henry Bamford, of Pentonville, in the county of Middlesex, Engineer and Machinist, has given the like notice in respect of the invention of "improvements in the construction of slide valves for steam engines."

As set forth in their respective petitions, both recorded in the said office on the 18th day of December, 1876.

4912. And William Virgo Wilson, of 7, Cottage-grove, Bow, in the county of Middlesex, Manufacturing Chemist, and Hemington Cant, of 8, Coborn-street, Bow aforesaid, Analytical Chemist, have given the like notice in respect of the invention of "improvements in the manufacture of aniline dyes."

As set forth in their petition, recorded in the said office on the 20th day of December, 1876.

5011. And George Beesley, of Camden Town, in the county of Middlesex, Civil Engineer, has given the like notice in respect of the invention

of "improvements in the application of steam or other motive power in locomotive and marine engines."

As set forth in his petition, recorded in the said office on the 28th day of December, 1876.

60. And Isidore Chevrillon, late Major of French Naval Artillery, now of 36, Cornhill, in the city of London, has given the like notice in respect of the invention of "an improved method of and apparatus for purifying the water used in the boilers of condensing steam engines, and for other like purposes."—A communication to him from abroad by Frederic Hétet, Professor of Chemistry, of the Naval Medical School, Brest, France.

As set forth in his petition, recorded in the said office on the 5th day of January, 1877.

141. And Raffaello Calo, of Lisle-street, Leicester-square, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in the manufacture of clips for the springs of carriages, and in apparatus to be used therefor."—A communication to him from abroad by Laurent Colas, of Bogny-sur-Meuse, Ardennes, France.

As set forth in his petition, recorded in the said office on the 11th day of January, 1877.

167. And Francis William Webb, of Crewe, in the county of Chester, Mechanical Engineer, has given the like notice in respect of the invention of "improvements in apparatus for applying the brakes and giving notice to the drivers, firemen, and guards on approaching or passing signals at danger or caution, and in arrangements for automatically showing by the lights the direction in which an engine is travelling."

As set forth in his petition, recorded in the said office on the 12th day of January, 1877.

172. And John Garrett Tongue, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton-buildings, Chancery-lane, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in the manufacture of anchors."—A communication to him from abroad by Joseph Cutajar, of Paris, France.

As set forth in his petition, recorded in the said office on the 13th day of January, 1877.

232. And William Whiteley, of Lockwood, near Huddersfield, in the county of York, Machine Maker, and Alfred Sykes, of Netherthong, near Huddersfield aforesaid, Yarn Spinner, have given the like notice in respect of the invention of "improvements in machinery or apparatus for spinning, twisting, or doubling woollen and other fibrous substances."

As set forth in their petition, recorded in the said office on the 18th day of January, 1877.

360. And Thomas Kendrick, of Birmingham, in the county of Warwick, Manufacturer, has given the like notice in respect of the invention of "improvements in metallic bedsteads."

368. And Melville Thomson Neale, of Southsea, in the county of Hants, has given the like notice in respect of the invention of "improvements in harvesting machines wherein the stalks of wheat or other cereals are arranged in bundles or sheaves, and tied or bound."

As set forth in their respective petitions, both recorded in the said office on the 27th day of January, 1877.

471. And Charles Edmund Green, of 13, Blandford-street, Portman-square, and Robert Green, of Milton Lodge, Ladbrooke-terrace, Notting Hill, both in the county of Middlesex, have