

from abroad by Louis Adolphe Herrmann, of 13, Boulevard St. Martin, Paris.

As set forth in their respective petitions, all recorded in the said office on the 24th day of October, 1871.

2895. And Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, has given the like notice in respect of the invention of "improvements in sawing machinery."—A communication to him from abroad by Pierre Emile Counord, of Paris, in the Republic of France.

As set forth in his petition, recorded in the said office on the 28th day of October, 1871.

3061. And Thomas Burrell, of Stockton-on-Tees of the firm of Joseph Potts Burrell and Thomas Burrell, Engineers, has given the like notice in respect of the invention of "an improved washing machine."

As set forth in his petition, recorded in the said office on the 13th day of November, 1871.

3139. And Joseph Betteley, Naval Architect, and George William Bremner, Shipowner, both of Liverpool, in the county of Lancaster, have given the like notice in respect of the invention of "improvements in ships or vessels, and in the arrangements of apparatus for steering them."

As set forth in their petition, recorded in the said office on the 20th day of November, 1871.

3244. And James Leetch, of Broadley-terrace, Blandford-square, in the county of Middlesex, has given the like notice in respect of the invention of "an improved detergent compound."

As set forth in his petition, recorded in the said office on the 30th day of November, 1871.

3298. And Robert Booth, of Gorton Corn Mills and Gum Works, Manchester, in the county of Lancaster, has given the like notice in respect of the invention of "improvements in apparatus employed in the manufacture of British gum and other artificial gums."

As set forth in his petition, recorded in the said office on the 7th day of December, 1871.

3372. And Franklin Hocking and John Pinker, both of Liverpool, in the county of Lancaster, Engineers, have given the like notice in respect of the invention of "a new or improved slide valve."

As set forth in their petition, recorded in the said office on the 13th day of December, 1871.

3449. And James Eglinton Anderson Gwynne, of Essex-street Works, Strand, in the county of Middlesex, Civil Engineer, and Benjamin Beale, of Elizabeth Cottage, Parnel-street, New Cross, Deptford, in the county of Kent, Mechanical Engineer, have given the like notice in respect of the invention of "improvements in the construction of rotary engines, which said improvements are applicable for lifting, forcing, and exhausting."

As set forth in their petition, recorded in the said office on the 20th day of December, 1871.

3459. And John Unwin, of Sheffield, in the county of York, Manufacturer, has given the like notice in respect of the invention of "improvements in the method or means of depositing nickel upon metals, and in the preparation of the articles to be coated for the reception of the nickel coating."

3464. And William Robert Lake, of the firm of Haseltine, Lake, and Co., Patent Agents, Southampton-buildings, London, has given the like notice in respect of the invention of "im-

provements in the manufacture of metal rods and wire, and in apparatus therefor."—A communication to him from abroad by Benjamin Augustus Mason, of the city and State of New York, United States of America.

As set forth in their respective petitions, both recorded in the said office on the 21st day of December, 1871.

3502. And Hyacinthe Gabriel Gouverneur, of Stebbington-street, in the county of Middlesex, Manufacturer, has given the like notice in respect of the invention of "improvements in the construction of reeds for harmoniums and other similar free reed instruments."

As set forth in his petition, recorded in the said office on the 28th day of December, 1871.

3517. And Johannes Avetician Calantarians, of Scarborough, in the county of York, has given the like notice in respect of the invention of "improved arrangements for preventing pipes or vessels containing water or liquid from bursting by the effects of frost, or similar force suddenly brought into operation."

As set forth in his petition, recorded in the said office on the 29th day of December, 1871.

6. And William Stebbins Fish, of No. 166, Buchanan-street, Glasgow, in the county of Lanark, North Britain, has given the like notice in the respect of the invention of "improvements in the construction of packing for piston rods, pipe joints and other similar purposes."

7. And William Stebbins Fish and James Wotherpoon, both of Glasgow, in the county of Lanark, North Britain, have given the like notice in respect of the "improvements in yarns, threads, twines, cordage or ropes, and in the employment or application thereof."

As set forth in their respective petitions, both recorded in the said office on the 1st day of January, 1872.

28. And Hans Wilhelm Caspersen, of Newcastle-on-Tyne, has given the like notice in respect of the invention of "improvements in high and low pressure, or compound steam engines."—A communication to him from abroad by John Blair, of Aarhus, in the Kingdom of Denmark.

As set forth in his petition, recorded in the said office on the 4th day of January, 1872.

83. And Bristow Hunt, of No. 1, Serle-street, Lincoln's-inn, in the county of Middlesex, Gentleman, has given the like notice in respect of the invention of "improvements in meters for measuring water or other fluids."—A communication to him from abroad by Gerard Sickels and John Hill Thorndike, of Boston, Massachusetts, in the United States of America.

As set forth in his petition, recorded in the said office on the 10th day of January, 1872.

106. And John Pollard Seddon, of No. 12, Park-street, Westminster, in the county of Middlesex, Architect, has given the like notice in respect of the invention of "improvements in the means of ventilating the sewers, soil pipes, and cess-pools of dwellings, and deodorising the gases evolved therefrom."

As set forth in his petition, recorded in the said office on the 13th day of January, 1872.

117. And William Henry France, of Bradford, in the county of York, Wool Comb Maker, has given the like notice in respect of the invention of "improvements in machinery for combing wool and other fibres."

As set forth in his petition, recorded in the said office on the 15th day of January, 1872.