

3570. And to Charles Weightman Harrison, of South Kensington, in the county of Middlesex, Gentleman, for the invention of "improvements in extinguishing fires, and in apparatus to be used therefor."

On both their petitions, recorded in the Office of the Commissioners on the 12th day of September, 1876.

3585. To Benjamin Joseph Barnard Mills, of the firm of Mills and Harris, of 23, Southampton-buildings, in the county of Middlesex, Patent Agent, for the invention of "improvements in ventilating, disinfecting, and fog alarm apparatus for ships and other floating craft."—A communication to him from abroad by William FitzJames Thiers, of the city and county of New York, Doctor of Medicine, Milton Clifford Jeffers, of said city and county of New York, Gentleman, Eugene Francis Beecher, of the city of Brooklyn, in the county of Kings, Gentleman, and Amelia Pitts Armstrong, of the city and county of New York aforesaid, Electrician, all in the State of New York, in the United States of America.

On his petition, recorded in the Office of the Commissioners on the 13th day of September, 1876.

3612. To Charles Stuart, of Preston, in the county of Lancaster, Engineer, for the invention of "improved metallic fasteners for round wood tennons or brush handles and for other purposes."

On his petition, recorded in the Office of the Commissioners on the 15th day of September, 1876.

3624. To Herbert Guthrie, of Newburn, near Newcastle-upon-Tyne, for the invention of "improvements in pressing machines generally used for solidifying granular substances, such as fire-clay, coal-dust, or any other material of like nature for making bricks, tiles, fuel-blocks, or similar matters."

On his petition, recorded in the Office of the Commissioners on the 16th day of September, 1876.

3649. To Hermann Hirsch, Civil Engineer, of 25, Craven-street, Strand, London, W.C., for the invention of "improvements in heating water or other fluids, and in generating steam therefrom."

On his petition, recorded in the Office of the Commissioners on the 18th day of September, 1876.

3657. To William March, of 59, Mark-lane, in the city of London, Engineer, for the invention of "a new and improved double action hoisting engine for raising coal or other articles by a double action hoisting engine, whereby one stroke of the piston in either direction raises the goods, while the descending empty cage, tub, or other receptacle acts as a partial counter-balance to the ascending loaded cage, tub, or other receptacle, so that it is only necessary to exert a power sufficient to raise the net weight of the goods required to be lifted."

On his petition, recorded in the Office of the Commissioners on the 19th day of September, 1876.

3696. To John Hays Wilson, of the firm of John Hays Wilson and Company, of Liverpool, in the county of Lancaster, Engineers, for the invention of "improvements in the method of and appa-

ratus for supplying atmospheric air to the furnaces of steam boilers and to other furnaces." On his petition, recorded in the Office of the Commissioners, on the 21st day of September, 1876.

3734. To Louis Henry, Manufacturer, of Paris, in the Republic of France, for the invention of "a new composition to be used as a substitute for white lead for painting and other purposes."

3738. And to John Coles, of 48, St. George's-road, Regent's Park, N.W., for the invention of "an improved apparatus for the better heating of water for all kinds of steam engines and to act as a great fuel economizer for the same."

On both their petitions, recorded in the Office of the Commissioners on the 25th day of September, 1876.

3765. To William Alexander Brice, of 53, Chancery-lane, in the county of Middlesex, for the invention of "an improved advertising apparatus, applicable to money boxes or tills."

On his petition, recorded in the Office of the Commissioners on the 27th day of September, 1876.

3770. To Augustus Arnold Schlesinger, of No. 5, Duncan-terrace, City-road, in the county of Middlesex, Engineer, for the invention of "improvements in the application of brakes for railway trucks and waggons."

3772. To John Thomson King, of Liverpool, in the county of Lancaster, Patent Agent, for the invention of "improvements in the manufacture of tie buckles."—A communication to him from abroad by Henry W. Oliver, junior, of Pittsburgh, in the United States of America.

3774. To William Frederick Tindell, of 174, Essex-street, Strand, in the county of Middlesex, Gentleman, for the invention of "improvements in machinery for the manufacture of boxes and other articles from pulp."—A communication to him from abroad by Seth Wheeler, of Albany, in the State of New York, United States of America.

3776. To James Thornton, of Birmingham, in the county of Warwick, Goldsmith and Jeweller, for the invention of "improvements in the manufacture of wedding and other rings, and in tools and apparatus to be employed in 'Hall' marking and otherwise marking the said rings."

3778. To Richard Goundry, of 181, Upper-Thames-street, in the city of London, for the invention of "improvements in the treatment of coffee to prepare it for the market."

3780. To Frank McClean, of Ferncliffe, Tunbridge Wells, Civil Engineer, for the invention of "improvements in spectroscopes, chiefly for use with astronomical telescopes."

3782. To Isaac Louis Pulvermacher, of 194, Regent-street, in the county of Middlesex, Electrical Engineer, for the invention of "improvements in apparatus or appliances connected with generating, conducting, measuring, or testing and applying electricity."

3783. To John M. Macintosh, of Wilson-street, Finsbury, India Rubber Manufacturer, and William Boggett, of Chelsea, both in the county of Middlesex, for the invention of "improvements in fabricating air or water-proof articles."

3784. To 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, for the invention of "improvements in screw propellers, applicable to ships and vessels of all kinds."—A communication to him from abroad by Paul Jacquet, Manufacturer, Paris, France.