

cotton, silk, wool, flax, or other fibrous substances, and in apparatus for lubricating such machinery.

3863. To John Hill and John Edwards Hey, both of Halifax, in the county of York, Ventilating Engineers, for the invention of "improvements in ventilators."

3864. To Joseph Taylor and Joseph Samuel Taylor and Stephen William Challen, all of Birmingham, in the county of Warwick, Machinists, for the invention of "improvements in machinery for the manufacture of nuts for screws."

3865. To Joseph Brunt, of Sawley, in the county of Derby, Sewing Machine Manufacturer, and William Alfred White, of Crown-buildings, Queen Victoria-street, in the city of London, Gentleman, for the invention of "improvements in brick making machinery."

3866. And to George Weller Richardson, of Chancery-lane, in the county of Middlesex, for the invention of "an improved pneumatic apparatus."

On their several petitions recorded in the Office of the Commissioners on the 9th day of November, 1874.

3867. To Frank Wright, of No. 55, Millbank-street, Westminster, in the county of Middlesex, Gas Engineer, for the invention of "improvements in gas governors."

3868. To Henry Matthews, of Rowallan Villa, Cotham Brow, Bristol, in the county of Gloucester, for the invention of "improved arrangements and apparatus for removing gases from sewers, and effecting the consumption thereof."

3870. To David Barker, of Northfleet, in the county of Kent, Gentleman, for the invention of "improvements in the manufacture of artificial fuel."

3871. To John Chappell, of Glossop, in the county of Derby, for the invention of "improvements in the construction of self acting coupling and disconnecting gear for railway carriages and trucks."

3872. To Henry Schallehn, of Brixton, in the county of Surrey, Gentleman, for the invention of "improvements in wire mattresses and seats."—A communication to him from abroad by Daniel Christoph Brühs, of Hamburg, Germany.

3873. To Robert Lees Hilton, of Hyde, in the county of Chester, Engineer, for the invention of "improvements in and applicable to circular saw benches."

3874. To David Dubbin, of Lewisham, in the county of Kent, for the invention of "an improved combined chair and table for children."

3875. To Ephraim France, of Leicester, in the county of Leicester, for the invention of "improvements in the manufacture of boots and shoes."

3876. To the Reverend Granville Hamilton Forbes, of Broughton Rectory, in the county of Northampton, Clerk in Holy Orders, for the invention of "improvements in the manufacture of artificial fuel."

3877. And to Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improved processes and machinery for the manufacture of pulp for paper from a certain plant, and obtaining a useful product therefrom."—A communication to him from abroad by Jules Edmond Chamas, Louis Delphin, Prosper Bouju, and Marcelin René Bouju, forming the firm of Chamas and Bouju Brothers, of Paris, France.

On their several petitions, recorded in the Office

of the Commissioners on the 10th day of November, 1874.

3878. To James Carter, of Northumberland-street, Charing-cross, in the county of Middlesex, Gentleman, for the invention of "improvements in the manufacture of barrels."—A communication to him from abroad by Amasa Mason, of the city and State of New York, United States of America.

3879. To Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in the musical instrument known as the pyrophone, together with the application of the same."—A communication to him from abroad by Georges Eugène Frédéric Kastner, of Paris, France.

3880. To Frederic Dixon, of Southgate-road, Islington, London, for the invention of "an improved artificial fuel."

3881. To Samuel Richard Smyth, Engineer, &c., and Joseph Simpson, both of No. 58, Fountain-street, in the city of Manchester, in the county of Lancaster, for the invention of "improvements in blast furnaces for melting iron ores and other metals, and for purifying, refining, and converting the same, and also in the apparatus employed therein."

3882. To Edward Parkman, of Madison County, Tennessee, in the United States of America, but at present of 23, Southampton-buildings, in the county of Middlesex, for the invention of "improved means, to be applied to lamps or lanterns, to indicate the names of streets or other information, which means will also assist in reflecting the light from such lamps or lanterns."

3883. To Peter Brotherhood, of No. 25, Ladbrooke-gardens, Notting Hill, in the county of Middlesex, for the invention of "improvements in slide valves for reciprocating engines."

3884. To David Oppenheimer, of Watling-street, in the city of London, Merchant, for the invention of "improvements in the manufacture of drain pipes and other pipes and articles of plastic or mouldable materials, and in the production of materials or compositions for the same, and in apparatus employed for the said purposes."—A communication to him from abroad by Hermann Hirsch, of New York, in the United States of America.

3885. To Matthew Augustus Soul, of No. 101, Leadenhall-street, in the city of London, Patent Agent, for the invention of "a new or improved double coat."—A communication to him from abroad by Jacob Brust, of Pesth, in the Kingdom of Hungary.

3887. To Benjamin Walter Davis, of Lower Kennington-lane, in the county of Surrey, Engineer, and John Parsons, of Hammersmith, in the county of Middlesex, Printer, for the invention of "improvements in machinery for letter press printing."

3889. To Henry Malcolm Ramsay, of Amyand Park-road, Twickenham, in the county of Middlesex, Civil Engineer, for the invention of "an improved method of making water-tight joints to stoneware or other pipes."

3890. To Harry Whiteside Cook, of Brompton, in the county of Middlesex, Barrister-at-Law, for the invention of "improvements applicable to locomotive engines for the purpose of economizing fuel."

3891. To William James Burgess and Charles Thomas Burgess, both of Brentwood, in the county of Essex, for the invention of "improvements in reaping and mowing machines."