

street, in the city of London, Civil Engineer, for the invention of "improvements in fastening tyres to railway and other wheels."—A communication to him from abroad by Alfred Krupp, of Essen, in the Empire of Germany, Cast Steel Manufacturer.

3369. And to James Francis Richard Wood, of 13, Newcastle-street, Farringdon-street, in the city of London, Type Founder, for the invention of "improvements in printer's 'furniture' for use in the 'locking up' and justification of printers' forms and pages, and in apparatus for manufacturing or moulding such furniture."

On their several petitions, recorded in the Office of the Commissioners on the 26th day of August, 1878.

3371. To James Taylor, of Gilroyd, Barnsley, in the county of York, Engineer, for the invention of "improvements in mining corves and waggons."

3372. To Frederick Jacob Roth, of 4, South-street, Finsbury, in the county of Middlesex, Commission Merchant, for the invention of "an improved nursery or children's chair, convertible into a chaise or carriage, or crib or cradle."—A communication to him from abroad by August Krimmel, of Zeitz, in the Empire of Germany.

3374. To John Isaac Thornycroft, of the firm of John I. Thornycroft and Co., of Church Wharf, Chiswick, in the county of Middlesex, Steam Yacht and Launch Builders, for the invention of "improvements in steering apparatus for vessels."

3375. To Hans Wilhelm Caspersen, of the town and county of the town of Newcastle-on-Tyne, for the invention of "improvements in metallic pens or nibs, and in holders for the same, which latter are also suitable for ordinary nibs or pens."—A communication to him from abroad by Niels Henrik Holst, of Aarhuus, in the Kingdom of Denmark.

3379. To William Henry Osborne Taylor, of Panteg, in the county of Monmouth, Mechanical Engineer, for the invention of "an improved mode of and apparatus for casting steel ingots."

3380. To James Worrall, of Manchester, in the county of Lancaster, Dyer, and John Kershaw, of Wadsworth, in the parish of Halifax, and county of York, Manager, for the invention of "an improved mode of and apparatus for finishing cotton cords, moleskins, beaverteens, velveteens, twill backs, and twills."

3382. To William Edward Gedge, of No. 11, Wellington-street, Strand, London, in the county of Middlesex, Patent Agent, for the invention of "a new or improved weighing apparatus, balance, or steelyard."—A communication to him from abroad by Jean Baptiste Bassié, of Paris, France, Merchant.

3384. To Edward Coleman Gooddy, of Meltham, near Huddersfield, in the county of York, for the invention of "improvements in branding casks, cases, and other articles, and in the apparatus employed therein."

3386. To Rossall William Papineau, of 39, Lockington-road, Battersea Park-road, London, in the county of Surrey, for the invention of "improvements in the mode of employing bisulphide of carbon and other volatile solvents, and in the means adopted for recovering various substances of commercial value from their solutions."

3388. To Nathan Thompson, of the city of Brooklyn, in the county of Kings, and State of New York, in the United States of America, but at present of 23, Southampton-buildings, in

the county of Middlesex, for the invention of "improvements in locks or fastenings for railway carriage doors, and for other purposes."

3390. To Alexander Steven, of Glasgow, in the county of Lanark, North Britain, Engineer, for the invention of "improvements in pressés for bundling yarns."

3392. And to Farnham Maxwell Lyte, of the Scientific Club, Savile-row, in the county of Middlesex, Esquire, for the invention of "improvements in coating metals, and more especially iron and steel with copper or nickel, and in producing thereon certain iridescent or coloured films."—A communication to him from abroad by Frédéric Weil, of Paris, France.

On their several petitions, recorded in the Office of the Commissioners on the 27th day of August, 1878.

3394. To Carl Theodor Burchardt, of the firm, Carl T. Burchardt, of Berlin, in the Kingdom of Prussia and Empire of Germany, Engineer and Patent Solicitor, for the invention of "improvements in paper blocks for calendars and for other purposes and in the method of mounting the same."—A communication to him by Heinrich Georg Wilhelm Ebhardt, Eduard Wilhelm Heinrich Nölke, and Heinrich Meineke, Manufacturers, all of Hanover, in the said Kingdom of Prussia.

3396. To George Frederick Redfern, of the General Patent Office, 4, South-street, Finsbury, in the county of Middlesex, Patent Agent, for the invention of "improvements in reverberatory furnaces."—A communication to him from abroad by William Mann, of Newcastle, in the county of Lawrence, and State of Massachusetts, United States of America.

3398. To James Jowett, of Leeds, in the county of York, for the invention of "improvements in the means or apparatus employed for evaporating, such improvements being applicable for the manufacture of salt and other purposes."

3400. To George Frederick Richter, of Manchester, in the county of Lancaster, Mechanical Draftsman, for the invention of "improvements in lubricators."

3402. And to William Cawley Ashwell, of the city and State of New York, United States of America, now of King William-street, in the city of London, for the invention of "an improved apparatus or device for cleaning windows and other glass surfaces."

On their several petitions, recorded in the Office of the Commissioners on the 28th day of August, 1878.

3404. To George Malcolm and David Ratray Malcolm, both of Dundee, in the county of Forfar, North Britain, for the invention of "improvements in the manufacture or preparation of jute, and improvements in or additions to the machinery or apparatus used therein."

3406. To Charles Chapman, of Salford, in the county of Lancaster, Engineer, for the invention of "improvements in the method of getting water from artesian and other wells."

3408. To Robert Clayton Wade, Elijah Hunter, and John Cowell, all of Leeds, in the county of York, for the invention of "improvements in the means or apparatus employed for protecting outside passengers on trams and other vehicles from the rays of the sun and rain."

3410. To Edmund Tweedale, of Accrington, in the county of Lancaster, Manager, for the invention of "improvements in machinery for spinning and doubling fibres."—A communication to him from abroad by Emil Schmidlin, of Paris, France.