818. And to Marius Chastagnon, of the Pouzin Ardéche, France, and of 45, Essex-street, Strand, London, for the invention of "improvements in tuyers for blast furnaces."

On their several petitions all recorded in the Office of the Commissioners on the 23rd day of March,

1857.

820. To James Tangye, of Birmingham, in the county of Warwick, Engineer, and Joseph Tangye, of Birmingham aforesaid, Engineer, for the invention of "a new or improved lifting jack."

822. To Thomas Young Hall, of the town and county of Newcastle-upon-Tyne, Coal Owner, for the invention of "improvements in steam

guages and water indicators."

824. And to Samuel Fox, of Deepcar, Sheffield, for the invention of "improvements in hardening and tempering steel wire, and in straightening wire."

On their several petitions, recorded in the Office of the Commissioners on the 24th day of March,

1857.

- 826. To Charles François Léopold Oudry, of Auteuil, near Paris, in the Empire of France, now of No. 4, South-street, Finsbury, London, Electro Metallurgist, for the invention of "improvements in the preservation of articles of cast, wrought, rolled and forged iron, zinc and other metals or alloys of metals against exidation from humidity and other destructive effects of air and water."
- 828. To Thomas Lawes, of the Office for Patents, 77, Chancery-lane, in the county of Middlesex, for the invention of "a machine or apparatus to be used in cleansing, purifying and drying animal and vegetable substances."

832. To Pearson Hill, of Hampstead, in the county of Middlesex, for the invention of "improvements in machinery for stamping, marking, or printing and arranging papers, letters, and

other articles."

834. To Reuben Sims, of the firm of Picksley, Sims and Co., of Bedford, near Leigh, in the county of Lancaster, Agricultural Implement Makers and Ironfounders, for the invention of "improvements in machinery or apparatus for cutting hay, straw, and other similar substances."

836. To John Henderson, of Lasswade, in the county of Midlothian, North Britain, Gentleman, for the invention of "improvements in the manufacture or production of plain and figured

fabrics."

838. To Robert Cassels, of Glasgow, in the county of Lanark, North Britain, Iron Manufacturer, and Thomas Morton, of Motherwell, in the same county, Manager, for the invention of "improvements in the manufacture of iron."

840. And to Simon Martin Allaire, of Paris, in the Empire of France, Manufacturer, for the invention of "improvements in manufacturing

hats, caps, and bonnets."

On their several petitions, recorded in the Office of the Commissioners on the 25th day of March, 1857.

- 842. To John Radcliffe, Overlooker, James Fearnehough, Weaver, and Joseph Mather, Joiner, all of the parish of Eccles, in the county of Lancaster, for the invention of "certain improvements in index machines applicable to looms for weaving."
- 844. To Charles Henry Baker, of No. 7, Angelcourt, in the city of London, Gentleman, for the invention of "railways passengers signal alarum,"

846. To George White, of No. 5, Laurence Pountney-lane, Cannon-street, in the city of London, for the invention of "improvements in glass-furnaces."—A communication.

848. To Jean Jaques Constant Benoist, of No. 42, Rue Jerusalem, Brussels, in the Kingdom of Belgium, for the invention of "a new method of applying marks on paper for postal pur-

poses.

850. To Josiah Latimer Clark, of 35, Adelaideroad, Haverstock-hill, in the county of Middlesex, for the invention of "improvements in lighting coal mines."

852. To James Morris, of Albert-square, Clapham-road, in the county of Surrey, Gentleman, for the invention of "certain improvements in

connecting the rails of railways."

854. And to François Rualem, of 29, Rue de Paris, Belleville, in the Empire of France, Milkman, for the invention of "improvements in railway brakes."—A communication.

On their several petitions, recorded in the Office of the Commissioners on the 26th day of March,

1857.

856. To Alexander Delon, of 39, Rue de l'Echiquier, Paris, in the Empire of France, and of 4, South-street, Finsbury, London, Gentleman, for the invention of "an improved mould for the manufacture of buttons."

857. To Edouard Hochstetter, of Paris, in the French Empire, Gentleman, for the invention of "the employment for motive purposes of sulphuret of carbon, an agent not hitherto so used."—A communication from Augustus Seyferth, of Langen-salza, Prussia.

858. To Edmund Alexander Spurr, of Newtonroad, Bayswater, in the county of Middlesex, Architect, for the invention of "improvements

in fire-places, chimnies, and stove grates."

862. And to John Ward, of Glasgow, in the county of Lanark, North Britain, Manufacturing Chemist, for the invention of "improvements in the manufacture or production of

manures or fertilizing agents."
On their several petitions, recorded in the Office of the Commissioners on the 27th day of March,

857.

864. To David Thomson, of Pimlico, in the county of Middlesex, Engineer, for the invention of "improvements in rotary pumps."

866. To Ferdinand Jossa, of St. Helen's Colliery, near Bishops Auckland, in the county of Durham, for the invention of "improvements in furnaces and ovens for the prevention of smoke and for economy of fuel."

868. To Robert Russel, of Manchester, in the county of Lancaster, Engineer, for the invention of "improvements in railway turntables."

- 870. To Louis Etienne Deplanque, of 39, Rue de l'Echiquier, Paris, in the Empire of France, and of No. 4, South-street, Finsbury, London, for the invention of "an improved composition for sharpening and setting fine edged cutting instruments."
- 872. And to Joseph Thursfield, of Congleton, in the county of Chester, Plumber and Glazier, for the invention of "an improved water-ram for raising water."

On their several petitions, recorded in the Office of the Commissioners on the 28th day of March,

1857.

876. To Joseph Scott, of Glasgow, in the county of Lanark, North Britain, Glass Manufacturer, for the invention of "improvements in bottles, and their stoppering or closing details."