in apparatus for containing pigments, inks, gums, and other like materials."

On their several petitions recorded in the Office of the Commissioners on the 13th day of February, 1874.

559. To Edward Meldrum, of Dechmont, in the county of Linlithgow, North Britain, Gentleman, for the invention of "an improvement in open fireplaces."

560. To John Brown Dalzell, of Lesmahagow, in the county of Lanark, North Britain, Merchant, for the invention of "improved sig-

nalling apparatus for railways."

561. To Nathan Thompson, of the city of Brooklyn, and State of New York, in the United States of America, but at present of 23, Southampton-buildings, in the county of Middlesex, Marine Engineer, for the invention of "improvements in means for stopping bottles, jars, and other hollow articles, which invention is applicable to means for connecting together tubes and other articles."

563. To Charles Andrew Terrey, of St. George's-road, Southwark, in the county of Surrey, Engineer, for the invention of "an improved method of setting diamonds in drills and other

boring and cutting tools."

564. To Josiah Latimer Clark and Edward Jacob Hill, both of Victoria street, in the city of Westminster, for the invention of "improvements in railway signalling apparatus."

565. To Frederick Hazeldine, of Lant-street, Borough, in the county of Surrey for the invention of "an improved valve or tap for liquids and other purposes."

566. To William Williams Box, of the Gas Works, Crayford, in the county of Kent, for the invention of "improvements in apparatus used in the

manufacture of gas."

567. To William Richards, of Burton-road, Brixton, in the county of Surrey, for the invention of "improvements in regulating the supply of fluids and liquids for the manufacture of illuminating gas, and for the apparatus employed therein."

568. To Alexander Frederic Corbett, of Doncaster, in the county of York, Lieutenant-Colonel in Her Majesty's Bengal Staff Corps, for the invention of "improvements in the pro-

duction of artificial fuel."

569. To Dillwyn Smith and Thomas Henderson, both of Liverpool, in the county of Lancaster, and William Phillips Thompson, of Birkenhead, in the county of Chester, for the invention of "improvements in apparatus for supplying fuel to steam-boiler and other furnaces."

573. To William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for the invention of "improvements in paddle-wheels for steamboats."—A communication to him from abroad by James Wilson, of Kingston, Canada, Gentleman.

571. To Henry Saunders Gregory, of Taunton, in the county of Somerset, for the invention of "improvements in seed and manure drills or

distributors.'

572. To William Palmer, of Knockeloughrim, Castledawson, in the county of Londonderry, Ireland, and Charles Hopkinson, of Retford, in the county of Nottingham, for the invention of "improvements in flour dressing, by the use of improved mechanism."

573. To Matthew Mirfield, of Tong, near Bradford, in the county of York, Worsted Top Maker, and John Scott, of Tong aforesaid,

Manager, for an invention of "improvements in machinery employed for combing wool and other fibres."

574. And to John Knowles, of Bolton, in the county of Lancaster, Cotton Spinner, for the invention of "certain improvements in machinery or apparatus for preparing cotton and other fibrous substances."

On their several petitions recorded in the Office of the Commissioners, on the 14th day of February,

1874.

576. To Henry Aitken, of Falkirk, in the county of Stirling, North Britain, Coal Master, for the invention of "improvements in blast furnaces and cupolas, and in recovering or collecting the products thereof."

577. To Richard Thornton, of South Shields, in the county of Durham, Ale and Porter Merchant, for the invention of "improvements in the construction of machinery for cutting corks."

578. To Edward Holden, of the firm of Isaac Holden and Sons, of Bradford, in the county of York, for the invention of "improvements in preparing wool and other similar fibres for the combing process."

579. To William Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in invalid bed-steads."—A communication to him from abroad by Oscar G. Cosby, of Richmond, in the county of Henrico and State of Virginia, United States of America.

580. To John David Napier and Robert David Napier, of Glasgow, in the county of Lanark, North Britain, Engineers, for the invention of "improvements in winches and other hoisting

or hauling machines."

581. To John Harvey, Naval Architect and Shipbuilder, and George Pryer, Naval Draughtsman, both of Wivenhoe, in the county of Essex, for the invention of "an improved system or method and means of applying, adapting, and setting sails, for the better propulsion of vessels."

582. To Alexander Mills Dix, of Shelton, Stokeon-Trent, in the county of Stafford, for the invention of "improved methods of effecting locomotion, by which vehicles can be moved on common roads, tramroads, and rail roads."

583. To William Needham, of Vauxhall, in the county of Surrey, Engineer, for the invention of "an improved method of signalling upon

railways."

584. And to Sir David Lionel Salomons, Baronet, of Broom Hill, Tunbridge Wells, in the county of Kent, for the invention of "certain improvements in mechanism or apparatus for indicating the speed of revolving shafts."

On their several petitions, recorded in the Office of the Commissioners on the 16th day of February,

1874.

585. To William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for an invention of "improvements in rotary hay-tedding machines."—A communication to him from abroad by Stuart Perry, of Newport, New York, United States of America.

586. To Herbert Bradley, of Bennett - park, Blackheath, in the county of Kent, Gentleman, for the invention of "new or improved tell-

tale money box."

187. To George Ashley Wilson, of Liverpool, in the county of Lancaster, Engineer, for an invention of "improvements in and connected with rotary web printing machines."