

317. And Ernst Friedrich Richard Lucas, of Coatham, Redcar, in the county of York, Consulting Chemist, has given the like notice in respect of the invention of "improvements in the manufacture of anthracene."

As set forth in his petition, recorded in the said office on the 24th day of January, 1874.

366. And David Joy, Engineer, of Middlesbro, in the county of York, has given the like notice in respect of the invention of "improvements in hydraulic motive power engines."

As set forth in his petition, recorded in the said office on the 29th day of January, 1874.

464. And John Edwin Sherman, of Bucksport, in the State of Maine, United States of America, but at present residing at Norbiton Hall, in the county of Surrey, has given the like notice in respect of the invention of "improvements in stoves or fireplaces and in apparatus connected therewith."

467. And Robert May Caffall, of 75, Fleet-street, in the city of London, and Alfred Thomas, of Alton, in the county of Hants, Gas Engineer, have given the like notice in respect of the invention of "improved means of and appliances for effecting the automatic sealing of hydraulic gas mains, and for removing the pressure of gas on retorts at pleasure."

477. And John Hooker, of 1, Essex-street, Saint Peter's-street, Islington, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in type setting and distributing machines."

As set forth in their respective petitions, all recorded in the said office on the 5th day of February, 1874.

494. And Francis William Webb, of Crewe, in the county of Chester, Engineer, has given the like notice in respect of the invention of "improvements in mechanism or arrangements for actuating railway points and signals."

502. And William Joseph Curtis, of Holloway, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in railway points or switches."

As set forth in their respective petitions, both recorded in the said office on the 7th day of February, 1874.

509. And Robert Mudge Marchant, of Kirby-street, Hatton-garden, in the county of Middlesex, Civil Engineer, has given the like notice in respect of the invention of "improvements in motive power engines, and in apparatus connected therewith."

510. And Camille Espir, of 9, Gracechurch-street, in the city of London, Continental Advertising Contractor, has given the like notice in respect of the invention of "a new machine or apparatus for cutting down trees."—A communication to him from abroad by Samuel Léonce Suarés, David Ferdinand Fonsèque, and Bertrand Cordes, all of 18, Rue de la Chaussée d'Antin, Paris, France.

As set forth in their respective petitions, both recorded in the said office on the 9th day of February, 1874.

516. And Vaughan Pendred, of Crohill House, Angles-road, Streatham, in the county of Surrey, Engineer, has given the like notice in respect of the invention of "improvements in the construction of boilers."

519. And Charles Hippolyte Touaillon, of Paris, in the Republic of France, Civil Engineer, has given the like notice in respect of the invention of "improvements in apparatus for

stopping teeth."—A communication from Louis Jean Paul Eugène Gaillard, a person resident at No. 72, Boulevard, Sébastopol, Paris, France, D. M., Surgeon-Dentist.

As set forth in their respective petition, both recorded in the said office on the 10th day of February, 1874.

532. And James Henry Lynde, of Sale, in the county of Chester, Civil Engineer, has given the like notice in respect of the invention of "improvements in tramways."

533. And John Fletcher Wells, of Sun-court, Cornhill, in the city of London, has given the like notice in respect of the invention of "improvements in means or apparatus for propelling ships and other vessels."

As set forth in their respective petitions, both recorded in the said office on the 11th day of February, 1873.

540. And Thomas Blackburn, of Mellor, near Blackburn, in the county of Lancaster, Manufacturing Chemist, has given the like notice in respect of the invention of "improvements in the manufacture of size."

As set forth in his petition, recorded in the said office on the 12th day of February, 1874.

548. And Charles Walter Vosper, of Stoke Devonport, in the county of Devon, Agent, has given the like notice in respect of the invention of "improvements in shuttles applicable to all kinds of sewing machines worked by a shuttle."

As set forth in his petition, recorded in the said office on the 13th day of February, 1874.

561. And 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, has given the like notice in respect of 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."

566. And Henry Williams Box, of the Gas Works, Crayford, in the county of Kent, has given the like notice in respect of the invention of "improvements in apparatus used in the manufacture of gas."

568. And Alexander Frederic Corbett, of Doncaster, in the county of York, Lieutenant-Colonel in Her Majesty's Bengal Staff Corps, has given the like notice in respect of the invention of "improvements in the production of artificial fuel."

As set forth in their respective petitions, all recorded in the said office on the 14th day of February, 1874.

581. And John Harvey, Naval Architect and Shipbuilder, and George Fryer, Naval Draughtsman, both of Wivenhoe, in the county of Essex, have given the like notice in respect of the invention of "an improved system or method and means of applying, adapting, and setting sails, for the better propulsion of vessels."

582. And Alexander Mills Dix, of Shelton, Stoke-on-Trent, in the county of Stafford, has given the like notice in respect of the invention of "improved methods of effecting locomotion by which vehicles can be moved on common roads, tramroads, and railroads."

As set forth in their respective petitions, both recorded in the said office on the 16th day of February, 1874.