

cery-lane, in the county of Middlesex, has given notice at the office of the Commissioners of his intention to proceed with his application for letters patent for the invention of "improved means of and apparatus for taking photographs at night."

As set forth in his petition, recorded in the said office on the 10th day of October, 1873.

3313. And Bernard Massey and John Hill, trading under the firm of Massey and Hill, at Stafford, in the county of Stafford, Engineers, have given the like notice in respect of the invention of "certain improvements in steam boilers."

As set forth in their petition, recorded in the said office on the 13th day of October, 1873.

3320. And James Welch, of Manchester, in the county of Lancaster, has given the like notice in respect of the invention of "improvements in doubling frames, and for preventing roller laps and single yarn in the same."

3322. And Stanislas Louis Delalot, of Paris, in the French Republic, but at present of 5, Southampton-buildings, Holborn, in the county of Middlesex, has given the like notice in respect of the invention of "a new or improved process for plating, coating, or covering iron direct with silver or gold."

As set forth in their respective petitions, both recorded in the said office on the 14th day of October, 1873.

3330. And Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, has given the like notice in respect of the invention of "improvements in pianoforte actions."—A communication to him from abroad by Carl Heinrich Ludwig Plass, of Hamburg, Germany.

3339. And John Clayton Mewburn, of 169, Fleet-street, in the city of London, Patent Agent and Consulting Engineer, has given the like notice in respect of the invention of "improvements in fire-escapes."—A communication to him from abroad by Louis Gilquin and Henri Charles de Laçauve, both of Lille, France.

3343. And William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, has given the like notice in respect of the invention of "improvements in double acting lift and force pumps."—A communication to him from abroad by William D. Baxter, of the city and State of New York, United States of America.

As set forth in their respective petitions, all recorded in the said office on the 15th day of October, 1873.

3349. And Henry Cooke, of Spring Wood House, Grimesthorpe, near Sheffield, in the county of York, Manufacturer, has given the like notice in respect of the invention of "the better utilization of Bessemer steel rail ends, through their conversion into strips and hoops."

As set forth in his petition, recorded in the said office on the 16th day of October, 1873.

3360. And John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, has given the like notice in respect of the invention of "improvements in boilers or apparatus to be employed in effecting solution and filtration."—A communication to him from abroad by Adolphe Eymael, of Liège, in the Kingdom of Belgium; Chemist.

3361. And George Henry Goodman, of Penrose-street, Newington, in the county of Surrey,

Engineer, has given the like notice in respect of the invention of "improvements in machinery for breaking and crushing stones, ores, and other hard substances."

3365. And George Gordon de Luna Byron, of New York, in the United States of America, but at present of 89, Chancery-lane, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in the construction of ordnance and other hollow and other structures."—A communication to him from abroad by William Mernorice Arnold, of New York, in the United States of America.

3369. And George Bell Galloway, of Millwall, in the county of Middlesex, Engineer, has given the like notice in respect of the invention of "improvements in the means of economizing fuel, and in appliances connected therewith and therefor."

As set forth in their respective petitions, all recorded in the said office on the 17th day of October, 1873.

3372. And Alfred Belt, of New Cross, in the county of Kent, Gasfitter, has given the like notice in respect of the invention of "improvements in safety gas-burners."

3376. And Alexander Browne, of the firm of Browne and Company, Patent Agents, of 5, Southampton-buildings, Holborn, in the county of Middlesex, has given the like notice in respect of the invention of "improved apparatus for heating the blast of blast furnaces."—A communication to him from abroad by the Foundries and Forges Company of l'Orme, (Loire), in the French Republic.

3385. And Sam Mendel, of the city of Manchester, Merchant, has given the like notice in respect of the invention of "improvements in horse shoes."

3387. And Robert Stone, of Liverpool, in the county of Lancaster, has given the like notice in respect of the invention of "improvements in apparatus for manufacturing artificial fuel, bricks, tiles, and other similar compressed articles."

As set forth in their respective petitions, all recorded in the said office on the 18th day of October, 1873.

3393. And William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, has given the like notice in respect of the invention of "improvements in machinery for folding, piling, measuring, and examining textile fabrics, and other like materials, and in apparatus connected therewith."—A communication to him from abroad by William Frederick Jobbins, of the city and State of New York, United States of America.

3394. And Henry Salisbury, of Harpenden, in the county of Herts, has given the like notice in respect of the invention of "improvements in machinery for washing and drying straw plait."

3396. And John Patterson, of Belfast, in the county of Antrim, Merchant Banker, has given the like notice in respect of the invention of "improvements in machinery for boring rocks and other hard substances."

As set forth in their respective petitions, all recorded in the said office on the 20th day of October, 1873.

3406. And George Chambers, of 6, Victoria-place, Saint George's-road, Camberwell, in the county of Surrey, has given the like notice in respect of the invention of "improvements in heels for boots and shoes."