

person intending to oppose the said application must lodge a caveat to that effect at the Council Office on or before that day.—Dated this 22nd day of February, 1855.

Fry and Loxley, 80, Cheapside, London,
Solicitors for the said Alphonse Rene le
Mire de Normandy.

Patent Law Amendment Act, 1852.

Office of the Commissioners of Patents for
Inventions.

NOTICE is hereby given, that provisional protection has been allowed

92. To John Britten, of Birmingham, in the county of Warwick, Engineer, for the invention of "an improvement or improvements in the means of filtering liquids."

On his petition, recorded in the Office of the Commissioners on the 13th day of January, 1855.

182. To John Livesey, of New Lenton, in the county of Nottingham, Lace Manufacturer, for the invention of "improvements in lace machinery."

On his petition, recorded in the Office of the Commissioners on the 24th day of January, 1855.

254. To Patrick Moir Crane, of Athy, in the county of Kildare, Manager of Works, for the invention of "improvements in the manufacture of products from peat."

On his petition, recorded in the Office of the Commissioners on the 3rd day of February, 1855.

322. To John Ramsbottom, of Longsight, near the city of Manchester, Engineer, for the invention of "improvements in the construction of certain metallic pistons."

324. To George Lucas, of Hulme, in the city of Manchester, Mechanic, for the invention of "certain improvements in machinery, for preparing, spinning, doubling, and twisting cotton, wool, silk, and other fibrous materials."

326. To Robert Kerr, of No. 41, Coleman-street, in the city of London, Architect and Surveyor, for the invention of "certain improvements in preparing loaf sugar for use, and certain apparatus for the same."

328. And to John Foster, of Long Eaton, in the county of Derby, Machine Builder, for the invention of "improvements in machinery for the manufacture of lace."

On their several petitions, recorded in the Office of the Commissioners on the 12th day of February, 1855.

330. To Joseph Louis Lambot, of Carces, in the Department of Var, Empire of France, and of 32, Essex-street, Strand, London, for the invention of "an improved building material, to be used as a substitute for wood."

332. And to Robert Petrie Comfield, of Upper Holloway, in the county of Middlesex, Gentleman, for the invention of "improvements in the electro coating of iron and other metals with zinc and other metals."—Partly a communication.

On both their petitions, recorded in the Office of the Commissioners on the 13th day of February, 1855.

334. To Thomas Metcalfe, Mechanic, William Slaiding, Cotton Stripper, and John Metcalfe, Mechanic, all of Clitheroe, in the county of Lancaster, for the invention of "an improvement in the machines for preparing cotton, known as Dyer's tube frames."

336. To John Raphael Isaac, of Liverpool, in the county of Lancaster, Draughtsman, for the in-

vention of "improvements in the construction of portable buildings."

338. And to Hugh Lee Pattinson, junior, of Stotes Hall, Jesmond, Newcastle-upon-Tyne, for the invention of "an improvement in the manufacture of iron carriage wheels."

On their several petitions, recorded in the Office of the Commissioners on the 14th day of February, 1855.

340. To William Blythe, of Oswaldtwistle, in the county of Lancaster, Manufacturing Chymist, and Emile Kopp, of Accrington, in the county of Lancaster, Chymist, for the invention of "improvements in the manufacture of soda ash and sulphuric acid."

342. To James Leadbetter, of Halifax, in the county of York, Brazier, for the invention of "improvements in the mode or method of applying breaks to railway and other carriages."

344. To John Mason, of Rochdale, in the county of Lancaster, Machinist, and Samuel Thornton, of the same place, and Thomas Spencer Sawyer, of Longsight, in the same county, Engineer, for the invention of "improvements in finishing or polishing and drying yarns or threads."

346. And to Christophe François Delabarre, of Paris, in the Empire of France, and of 32, Essex-street, Strand, London, for the invention of "improved apparatus to be used in propelling gases and forcing liquids."

On their several petitions, recorded in the Office of the Commissioners on the 15th day of February, 1855.

348. To Eugène Carless, of Stepney, in the county of Middlesex, for the invention of "improvements in the manufacture of paper-cloth, known as artificial leather, and in coating or covering the surface thereof with colouring matter, said colouring process, being also adapted to the colouring or staining of paper."

350. To William Carter Stafford Percy, Machinist, and William Craven, Engineer, and Tool Maker, both of Vauxhall Iron Works, Collyhurst-road, Manchester, in the county of Lancaster, for the invention of "improvements in the manufacture and in machinery and apparatus used in the manufacture of bricks, tiles, pipes, and other articles made from plastic materials."

352. To Hugh Lee Pattinson, junior, of Stotes Hall, near Newcastle-upon-Tyne, for the invention of "an improvement in the manufacture of wrought iron tubes."

354. To Robert Blackburn, of Wandsworth Paper Mills, Wandsworth, and William Lundi Duncan, of Bridgefield-terrace, Wandsworth, for the invention of "improvements in bleaching."

356. And to Andrew Henshaw Ward, junior, of the State of Massachusetts, of the United States of America, for the invention of "a new and useful or improved loom temple."—A communication from Jeremiah C. Tilton, of the State of New Hampshire, in the said United States.

On their several petitions, recorded in the Office of the Commissioners on the 16th day of February, 1855.

360. To John Hackett, of Derby, in the county of Derby, Manufacturer, for the invention of "an improved leather cloth, and the employment thereof for various useful purposes."

362. And to John Robb, Timber Merchant, and Laurence Hill, Ship Builder, both in the parish of Greenock, and county of Renfrew, for the invention of "improvements in the masts and spars of ships and vessels."

On both their petitions, recorded in the Office of the Commissioners on the 17th day of February, 1855.