and recorded in the Office of the Commissioners on the 7th day of November, 1872, and a complete specification accompanying such petition was at the same time filed in the said office.

Patent Law Amendment Act, 1852.

Office of the Commissioners of Patents for Inventions.

3344. NOTICE is hereby given, that the petition of Joseph Barker Stearns, of Boston, in the county of Suffolk, and State of Massachusetts, and United States of America, Electrician, praying for letters patent for the invention of "improvements in electric telegraphs," was deposited and recorded in the Office of the Commissioners, on the 11th day of November, 1872, and a complete specification accompanying such petition was at the same time filed in the said Office.

Patent Law Amendment Act, 1852.

Office of the Commissioners of Patents for Inventions.

NOTICE is hereby given, that provisional protection has been allowed—

2216. To Henry Walker, of Greetland, near Halifax, in the county of York, for the invention of "improved apparatus for signalling on railways." — A communication to him from abroad by William Rainbow, Engineer, of Bombay, in the East Indies.

On his petition, recorded in the Office of the Commissioners on the 25th day of July, 1872.

2548. To Arthur Bryce, of Alloa, in the county of Clackmannan, North Britain, for the invention of "an improved method of branding casks, barrels, and other similar articles, and in a stove and apparatus therefor."

On his petition, recorded in the Office of the Commissioners on the 27th day of August, 1872.

3002. To William Charles Mann, Hat Manufacturer, of New Wortley, near Leeds, and George Redihalgh, Hat and Cap Manufacturer, of Trinity-street, Leeds, in the county of York, for the invention of "improvements in the manufacture of hats, and in the machinery or apparatus employed therein."

On their petition, recorded in the Office of the Commissioners on the 11th day of October, 1872.

3014. To Samuel Henry Johnson, F.C.S., of Lea Bank Works, Stratford, in the county of Essex, Chemist, for the invention of "improvements in the method of, and apparatus for, separating the soluble constituents of substances from the insoluble constituents."

On his petition, recorded in the Office of the Commissioners on the 12th day of October, 1872.

3054. To William Brewer Silverlock, of 92, Blackfriars-road, in the borough of Southwark, Printer, for the invention of "improvements in means of closing bottles, flasks, casks, or other vessels."

On his petition, recorded in the Office of the Commissioners on the 16th day of October, 1872.

3108. To John Peebles, of Errol, in the county of Perth, North Britain, for the invention of "a new apparatus for containing and supplying illuminating gas."

On his petition, recorded in the Office of the Commissioners on the 22nd day of October, 1872.

3140. To William Walker, of the Victoria Iron Works, Walmgate, in the city of York, for the invention of "improvements in connection with stoves, for the purpose of economising fuel."

On his petition, recorded in the Office of the Commissioners on the 23rd day of October, 1872.

3150. To Richard Glover, Junior, of Surinam House, Stratford, in the county of Essex, for the invention of "a new method of and apparatus for lubricating in railway, tramway, and similar axle-boxes."

On his petition, recorded in the Office of the Commissioners on the 24th day of October, 1872.

3188. To William Hale, of Lower Norwood, in the county of Surrey, Engineer, for the invention of "improvements in rockets for carrying lines to stranded vessels, and in apparatus to be used therewith."

3190. And to François Louis Thuillard de Froideville, residing at No. 22, Rue Clignancourt, Paris, in the Republic of France, for the invention of "improvements in mattresses suitable for use in ships' hospitals and other places, and which can be employed for saving life at sea."

On both their petitions, recorded in the Office of the Commissioners on the 26th day of October, 1872.

3200. To Joshua Charles Rouse, of Halifax, in the county of York, Manager to Messieurs John Whiteley Ward and Christopher Ward, also of Halifax, Damask and Carpet Manufacturers, for the invention of "improvements in jacquard machinery or apparatus."

3202. To William Thompson, of No. 101, Wandsworth-road, in the county of Surrey, for the invention of "improvements in the manufacture of white lead, and apparatus therefor."

3204. To William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for the invention of "improvements in breech-loading fire arms."—A communication to him from abroad Edmond Lefaure and Jules Villain, both of Paris, France.

3206. And to William Alexander Lyttle, of The Grove, Hammersmith, in the county of Middlesex, Engineer, for the invention of "improvements in the means and apparatus for attaching telegraph wires to insulators, in the construction of insulators specially adapted to such apparatus, and also in the construction of protecting shields and guards for use therewith, which improvements are partly applicable to existing forms of insulator."

On their several petitions, recorded in the Office of the Commissioners on the 29th day of October, 1872.

3208. To Henry Davey, Engineer, of Tanfield-street, Leeds, in the county of York, for the invention of "improvements in means of evacuating condensers of steam engines and apparatus therefor, part of which is applicable to the purpose of gas exhausting."

3212. To Thomas Charles March, of 6, Pall Mall-place, Saint James', in the county of Middlesex, Gentleman, for the invention of "improvements in the application of glass, china, or earthenware, to the ornamentation of looking-glasses, picture-frames, ornamental articles in household use, furniture, and house decoration."

3214. To Benjamin Hayne, of Long-lane, West Smithfield, in the city of London, Timber Merchant, for the invention of "improvements in the manufacture of cutting or chopping boards or blocks."

3216. To George Perry, of Gateshead, in the county of Durham, Engineer, for the invention of "improvements in presses, more especially adapted to those used in moulding glass."