

on the 26th day of September, 1866, 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

1514. To Henry William Hire, Captain in Her Majesty's Navy, and John White, of West Cowes, Isle of Wight, Ship Builder, for the invention of "improvements in the construction of parts of ships and other vessels, and in the mode or method of using or employing such parts as a means of saving life at sea and for other purposes."

On their petition, recorded in the Office of the Commissioners on the 31st day of May, 1866.

1859. To Léon Mignot, residing at No. 148, Faubourg St. Denis, in the city of Paris, in the Empire of France, for the invention of "improvements in the preparation of soluble alkaline silicates to render them suitable for being used for preserving stone, wood, and other materials, and for manufacturing artificial stone, and for other purposes."

On his petition, recorded in the Office of the Commissioners on the 16th day of July, 1866.

1906. To Evan Leigh, Henry Thomas Palmer, and William Edward Whitehead, of Miles Platting, near Manchester, in the county of Lancaster, for the invention of "improvements in machinery or apparatus for cleaning and preparing cotton or other fibrous substances."

On their petition, recorded in the Office of the Commissioners on the 23rd day of July, 1866.

2071. To Henry Bell, of Belfast, in the county of Antrim, in Ireland, Gentleman, for the invention of "improvements in violins, violas, violoncellos, and guitars."

On his petition, recorded in the Office of the Commissioners on the 13th day of August, 1866.

2097. To John William Hoffman, Gentleman, of Birmingham, in the county of Warwick, and George Rowe Wilson, India Rubber Manufacturer, of the same place, for the invention of "improvements in communication between the guard and passengers, or any other persons in a railway carriage or train."

2099. And to John William Hoffman, Gentleman, of Birmingham, in the county of Warwick, and George Rowe Wilson, India Rubber Manufacturer, of the same place, for the invention of "improvements in kites."

On both their petitions, recorded in the Office of the Commissioners on the 15th day of August, 1866.

2123. To William Edward Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Civil Engineer, for the invention of "improved apparatus for saving life and property in cases of shipwreck."—A communication to him from abroad by François Frédéric de Clossmann, of Rue St. Sebastien, Paris, in the Empire of France.

On his petition, recorded in the Office of the Commissioners on the 18th day of August, 1866.

2177. To Josiah Thomas Poyser, of Burton-on-Trent, in the county of Stafford, for the invention of "improvements in machinery or apparatus employed in dressing, screening, and

separating grain, and for other similar purposes."

On his petition, recorded in the Office of the Commissioners on the 24th day of August, 1866.

2245. To Augustus de la Gautraye, Esqre, of 6A, Belvedere-road, Lambeth, for the invention of "an improved method for the preservation of wood."—A communication to him from abroad by Monsieur Manne (Anatole Gentleman), resident at Paris, Rue des Saints-Pères, 47.

2248. And to Henry George Scott, of Leeds, in the county of York, Civil Engineer, and Nathan Hallowell, of Greenhill, near Sheffield, in the county of Derby, Mechanical Engineer, for the invention of "improvements in valves for pumps, said improvements being also applicable to steam valves."

On both their petitions, recorded in the Office of the Commissioners on the 31st day of August, 1866.

2269. To Edward Nelson, of 13, Johnson's-place, Ranelagh-road, Thames-bank, in the county of Middlesex, Chemist, for the invention of "improvements in the mode of treating certain fibrous vegetable substances so as to render them suitable for the manufacture of textile and other fabrics."

On his petition, recorded in the Office of the Commissioners on the 4th day of September, 1866.

2350. To Edmund Phillips, Manufacturer, and James Howie, Agent, both of Manchester, in the county of Lancaster, for the invention of "certain improvements in machinery or apparatus to be employed in cutting textile fabrics."

2352. To James Lee Norton, of Belle Sauvage-yard, Ludgate-hill, in the city of London, for the invention of "improvements in machinery for washing and cleansing wool and other fibrous materials."

2354. To Richard Robinson, of the firm of Robinson, White, and Morrison, of Brewer-street, Golden-square, in the county of Middlesex, Leather Bag Manufacturers, for the invention of "improvements in travelling or fitted dressing bags."

2356. And to Joseph Henry Betteley, of Liverpool, in the county of Lancaster, Gentleman, for the invention of "improvements in ships' anchors."

On their several petitions, recorded in the Office of the Commissioners on the 13th day of September, 1866.

2358. To Richard Robert Riches and Charles James Watts, both of Norwich, in the county of Norfolk, Engineers, for the invention of "improvements in horse hay rakes."—Partly a communication from abroad made to them by Daniel G. Adelsberger, of Emmetsburg, Frederick County, State of Maryland, United States of America, and partly of invention and discovery made by them.

2359. To Colen Hewer Cheshire, Manufacturing Silversmith, of Nos. 63 and 64, Spencer-street, Birmingham, Warwickshire, for the invention of "an improved metal spring box or case for fuses, cigars, and other purposes."

2361. To Jean Joseph Baranowski, of Fleet-street, in the city of London, Engineer, for the invention of "an improved apparatus or appliance to be used in conjunction with corks for closing bottles, jars, and other similar receptacles."