

Patent Law Amendment Act, 1852.

Office of the Commissioners of Patents for
Inventions.

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

3188. To Mark Langdon Winn, of San Francisco, California, United States of America, for the invention of "an improved apparatus for shampooing and washing the head."

On his petition, recorded in the Office of the Commissioners on the 3rd day of November, 1869.

3729. To Gustavus Edwin Born, of 2, South-place, Finsbury, in the county of Middlesex, for the invention of "improvements in loaf sugar cutting machines."—A communication to him from abroad by Anton Zeeden, of Berlin, in the Kingdom of Prussia.

On his petition, recorded in the Office of the Commissioners on the 24th day of December, 1869.

87. To William Robert Lake, of the "International Patent Office," Southampton-buildings, London, Consulting Engineer, for the invention of "an improved apparatus for sharpening knives, and in a composition to be used therewith."—A communication to him from abroad by Zenas Colman Robbins and Henry Alfred Robbins, both of Washington, District of Columbia, United States of America.

On his petition, recorded in the Office of the Commissioners on the 11th day of January, 1870.

171. To John James Richardson, of Leeds, in the county of York, for the invention of "improvements in machinery or apparatus for pointing or grinding hackle gill card or other pins and teeth used in machinery for preparing woollen, cotton, flax, or other fibrous substances."

On his petition, recorded in the Office of the Commissioners on the 19th day of January, 1870.

215. To William Robert Lake, of the "International Patent Office," Southampton-buildings, London, Consulting Engineer, for the invention of "an improved method of and apparatus for operating railway switches."—A communication to him from abroad by Adolph Schnabel and Theodor Henning, both of Bruchsal, Baden, Germany.

On his petition, recorded in the Office of the Commissioners on the 24th day of January, 1870.

233. To William George Robinson Penley, of 60, Isledon-road, Hornsey-road, Holloway, in the county of Middlesex, Gentleman, for the invention of "improvements in pipes for smoking tobacco."

On his petition, recorded in the Office of the Commissioners on the 26th day of January, 1870.

242. To Stephen Lewin, of Poole, in the county of Dorset, Engineer, for the invention of "improvements in elevators for raising and stacking straw, hay, and other similar substances."

244. To John William Currier, of Newbury, Vermont, in the United States of America, Mechanician, for the invention of "improvements in the mode of connecting traces to caariages."

246. To Jabus Stanley James, of the firm of Powis, James, and Company, of Victoria Works, Belvedere-road, Lambeth, in the county of Surrey, and Henry Wilson, of the same place, Manager to the said firm, for the inven-

tion of "improvements in machines for putting together the parts of cart and other wheels."

248. To John Beran Smith, of Bishopsgate-street, in the city of London, Civil Engineer, for the invention of "improvements in permanent way, and in wheels to be used therewith."—A communication to him from abroad by Alphonse Mention, of Brussels, in the Kingdom of Belgium.

250. And to Orby Cicel Mootham, of Bournemouth, in the county of Hants, for the invention of "improvements in umbrellas, parasols, and sunshades."

On their several petitions, recorded in the Office of the Commissioners on the 27th day of January, 1870.

254. To Richard Haworth, of the city of Manchester, Cotton Spinner, Edwin Woodcock, of Salford, Manager, and Joseph McCabe, of Salford, Overlooker, all in the county of Lancaster, for the invention of "improvements in looms for weaving."

256. To Alfred William George Weeks, George Deal, George Lillywhite, and Alexander Oliver Launders, carrying on business under the style of J. Weeks and Co., Horticultural Builders, King's-road, Chelsea, in the county of Middlesex, for the invention of "improvements in the construction and application of hot water boilers, joints, and valves."

258. To John Rigby, of Wednesbury, in the county of Stafford, trading under the style or firm of "John Rigby and Sons," Axletrée Manufacturer, for the invention of "certain improvements in the manufacture of coach or carriage axles."

260. To James Dewar, Doctor of Medicine, residing in Kirkcaldy, in the county of Fife, North Britain, for the invention of "improvements in the treatment of certain substances for food and for manure."

262. To Robert Hogg Durie, of Elphinstone Colliery, Trannent, in the county of Haddington, North Britain, for the invention of "improvements in braking or retarding railway trains, and in the apparatus or means employed therefor."

264. To William Orr, of Kilmarnock, in the county of Ayr, North Britain, for the invention of "improvements in ornamenting Scotch caps or bonnets."

266. And to Charles Hayward Perman, of Lionel-street, Birmingham, in the county of Warwick, for the invention of "improvements in the manufacture of hinges and in apparatus used therein."

On their several petitions, recorded in the Office of the Commissioners on the 28th day of January, 1870.

270. To Samuel Whitehall Mulloney, of Coventry, in the county of Warwick, Manufacturer, for the invention of "improvements in the weaving of seamless articles."

On his petition, recorded in the Office of the Commissioners on the 29th day of January, 1870.

272. To Robert Dick, of the city of Glasgow, in the county of Lanark, North Britain, Gutta Percha, Boot and Shoe Manufacturer, for the invention of "new or improved modes and means of covering and insulating the wires of electric telegraphs."

274. To Thomas Walker, of Robert-street, Chelsea, in the county of Middlesex, for the invention of "improvements applicable to telegraphic purposes."