

Patent Law Amendment Act, 1852.

Office of the Commissioners of Patents for
Inventions.

NOTICE is hereby given, that the petition of Abraham Lord, of Middleton, near Manchester, Manufacturer, praying for letters patent for the invention of "improvements in looms for weaving," was deposited and recorded in the Office of the Commissioners on the 20th day of July, 1878, 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 the petition of Edward Kimball Milliken, of Portland, county of Cumberland, State of Maine, United States of America, praying for letters patent for the invention of "the transposition of the scale of music on musical instruments having key boards, such as pianos and organs," was deposited and recorded in the Office of the Commissioners on the 22nd day of July, 1878, 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—

2373. To James Bidwell and Arthur Bidwell, both of Hackney, in the county of Middlesex, for the invention of "an improvement applicable to nail, scrubbing, and other brushes."

On their petition, recorded in the Office of the Commissioners on the 14th day of June, 1878.

2543. To Gerard Wenzeslaus von Nawrocki, of the firm of J. Brandt and G. W. v. Nawrocki, of 124, Leipzigerstrasse, Berlin, Germany, for the invention of "improvements in horse-shoe nails."—A communication to him from Hugo Moeller, Julius Moeller, and Clemens Schreiber, all of Berlin, Germany.

On his petition, recorded in the Office of the Commissioners on the 25th day of June, 1878.

2577. To Sealey James Best and William Joseph Marshall, both of Bermondsey, in the county of Surrey, Engineers, for the invention of "improvements in hydraulic apparatus and machinery connected therewith."

On their petition, recorded in the Office of the Commissioners on the 27th day of June, 1878.

2605. To Alfred J. Buttler, of New Brunswick, New Jersey, United States of America, now of 8, Southampton-buildings, London, Gentleman, for the invention of "improvements in mortising chisels."

2617. And to Frederick Gazey and Arthur John Cattell (trading as Gazey and Cattell), both of Coventry, in the county of Warwick, Manufacturers, for the invention of "certain improvements in bicycles, part of which said improvements may be applied to the wheels of other vehicles."

On both their petitions, recorded in the Office of the Commissioners on the 29th day of June, 1878.

2643. To Robert Meldrum, of Edinburgh, in the county of Midlothian, North Britain, for the invention of "improvements in drawing-off liquids and preventing the reflux of same, or of gases, through pipes, and in the construction of

automatically-acting traps or valves and fittings connected therewith."

On his petition, recorded in the Office of the Commissioners on the 2nd day of July, 1878.

2667. To Leon Quentin Brin, of the Borough, in the county of Surrey, for the invention of "an improved method of decorating tin and other metal surfaces."

On his petition, recorded in the Office of the Commissioners on the 3rd day of July, 1878.

2745. To William Paton Buchan, of Glasgow, in the county of Lanark, North Britain, Sanitary Engineer and Plumber, for the invention of "improvements in ventilators, and in appliances or fittings connected with ventilation."

2755. To Charles Frederick Amos and Henry Wilson Ringrose Smith, both of Kingston-upon-Hull, in the county of York, Engineers, for the invention of "improvements in double-action pumps."

2757. And to William Robert Lake, of the firm of Haseltine, Lake, and Co., Patent Agents, Southampton-buildings, London, for the invention of "improvements in umbrellas."—A communication to him from abroad by Casimir Faure, of Paris, France, Chevalier of the Legion of Honour.

On their several petitions, recorded in the Office of the Commissioners on the 9th day of July, 1878.

2759. To Frank Wirth, of the firm of Wirth and Company, Patent Solicitors, at Frankfort-on-the-Maine, in the Empire of Germany, for the invention of "improvements in water-wheels."—A communication from Theobald Bechler, a person resident at Esslingen, in the Empire of Germany.

2763. To Charles Max Sombart, of the firm of Buss, Sombart, and Company, Engineers and Patent Agents, of Magdeburg, in the Empire of Germany, for the invention of "improvements in steam-engine and other motive-power governors."—A communication from Edward Buss, a person resident at Magdeburg, in the of Germany.

2765. To Patrick Moir Crane and George Moir, both of Manchester, in the county of Lancaster, for the invention of "improvements in the manufacture of lubricating materials or oils."

2767. To William Mackison, of Dundee, in the county of Forfar, North Britain, Burgh Surveyor, for the invention of "improvements in tramways."

2771. And to Walter Peter Cherry and Charles Edwin Cherry, both of Porter-street, Hull, in the county of York, for the invention of "improvements in stoppers for bottles and similar articles, and method of closing and opening the same, and moulds for making stoppers."

On their several petitions, recorded in the Office of the Commissioners on the 10th day of July, 1878.

2775. To Abraham Crabtree, of Bacup, in the county of Lancaster, for the invention of "improvements in the construction of apparatus for dressing middlings, wheat, meal, and other ground or crushed grain or seeds."

2777. To John Boyd Dunlop, of Belfast, in the county of Antrim, in Ireland, M.R.C.V.S., for the invention of "improvements in carriage wheels."

2779. To Daniel Busby, of Liverpool, in the county of Lancaster, for the invention of "improvements in and appertaining to apparatus for checking the number of passengers entering or leaving tram-cars or other public vehicles or places."