

## Patent Law Amendment Act, 1852.

Office of the Commissioners of Patents for Inventions.

**N**OTICE is hereby given, that provisional protection has been allowed—

139. To John Greenfield, of Northlands, Wandsworth, in the county of Surrey, Gentleman, for the invention of "combined chairs and sleepers, applicable to the permanent way of railways and tramways."

On his petition, recorded in the Office of the Commissioners on the 11th day of January, 1878.

150. To Edward Chism, of 29, Castle-street, Sligo, Ireland, for the invention of "improvements in raising submerged ships."

On his petition, recorded in the Office of the Commissioners on the 12th day of January, 1878.

239. To Robert Wadsworth, of Halifax, in the county of York, Wheelwright, for the invention of "improvements in wheels and axles for conveyances."

On his petition, recorded in the Office of the Commissioners on the 18th day of January, 1878.

262. To James Spence, of Glenanne, in the county of Armagh, in Ireland, Mechanic, for the invention of "improvements in sewing machines."

On his petition, recorded in the Office of the Commissioners on the 21st day of January, 1878.

316. To Isaac Thomas Townsend, of Nuneaton, in the county of Warwick, for the invention of "improvements in bicycles."

On his petition, recorded in the Office of the Commissioners on the 24th day of January, 1878.

330. To Elizabeth Frances Kelly, of 17, All Saints-road, W., for the invention of "an improved musical instrument."

On her petition, recorded in the Office of the Commissioners on the 25th day of January, 1878.

418. To Etienne Constant Cadot, of Boulevard Saint-Denis, No. 1, at Paris, Manufacturer, for the invention of "improvements in pianos."

On his petition, recorded in the Office of the Commissioners on the 31st day of January, 1878.

423. And to Walter Atterton & Joseph Johnson Mills, both of No. 15, Tibberton-square, in the parish of St. Mary's, Islington, Middlesex, Manufacturers, for the invention of "an apparatus for opening & displaying stove ornaments and other decorations."

On their petition, recorded in the Office of the Commissioners on the 1st day of February, 1878.

434. To James Alston, of Burnley, in the county of Lancaster, Contractor, for the invention of "improvements in the construction of walls for the formation of houses and other buildings, and in materials to be used therein."

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

448. To Henry Couradi, of 8, Lower James-street, Golden-square, in the county of Middlesex, for the invention of "an improved plough."—A communication to him from abroad by William Schwarz, of Neumark, and August Binder, of Laugenhagen, Prussia.

456. And to John Johnson, of No. 3, Elm-villas, Cedars-road, Stratford, in the county of Essex, for the invention of "improvements in the manufacture of dextrine and glucose and in the apparatus employed therein."

On both their petitions, recorded in the Office of the Commissioners on the 4th day of February, 1878.

488. To Emanuel Shepherd, Fred Rothwell, James Edward Hough, and Tom Rothwell, all of Oldham, in the county of Lancaster, Sewing Machine Manufacturers, for the invention of "improvements in the construction of sewing machines."

490. To Henry Boddy, of the city of Ripon, in the county of York, Cabinet Maker, for the invention of "improvements in adjustable school desks applicable to other like articles of furniture."

492. To Samuel Joseph Coxeter, of the firm of Coxeter and Son, of Grafton Street East, in the county of Middlesex, Surgical Instrument Makers, for the invention of "new or improved battery rheostats specially applicable for medical purposes."

494. To John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for the invention of "improvements in apparatus for forming heel counters or stiffeners, parts of which improvements are also applicable to other similar purposes."—A communication to him from abroad by Michael Hynes and Napoleon Joseph Coté, both of the city of Montreal, in the district of Montreal and province of Quebec, Dominion of Canada.

498. To James Wadsworth, of the city of Manchester, Machinist, for the invention of "improvements in and apparatus for evaporating and drying urinal and excrementitious matters, and otherwise utilising towns' refuse, part of which improvements are applicable to apparatus for other analogous purposes, and for heating evaporating, condensing, or cooling liquids and fluids."

500. And to John Hollway, of 7, Jeffrey's-square, in the city of London, for the invention of "improvements in the production of sulphur from pyrites, and in the means employed therefor."

On their several petitions, recorded in the Office of the Commissioners on the 6th day of February, 1878.

502. To Robert Grierson Laidlaw, of Hawick, in the county of Roxburgh, North Britain, for the invention of "improvements in or additions to carding and condensing engines, for the purpose of producing clouded or spotted yarns."

505. To Henry Parker Hayhoe, of Stowmarket, in the county of Suffolk, for the invention of "an improved preparation for cleaning paint, varnish, or japan, and for removing paint, varnish, japan, or grease from wooden or other surfaces, or oxide or dirt from the surface of metals."

508. To Spencer Hayward, of No. 2, Old Prospect-place, Peckham Rye, in the county of Surrey, Architect, for the invention of "an improved method of obtaining motive power."

510. And to John Kenworthy Lord, Sewing Machine Manufacturer, and Herbert Ansell Skinner, Engineer, both of the city of Manchester, for the invention of "improvements in the springs and wheels of bicycles, also applicable to the wheels of perambulators and other vehicles."

On their several petitions, recorded in the Office of the Commissioners on the 7th day of February, 1878.

551. And to Adolphus Clark, of Frith-street, Soho, in the county of Middlesex, for the invention of "improvements in syrups, mineral waters, and other beverages."—A communication to him from abroad by Gustavus Davis