

the Office of the Commissioners on the 20th day of November, 1863, 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
2941. Inventions.

NOTICE is hereby given, that the petition of James Steart, of 5, Saint James-road, Bermondsey, in the county of Surrey, Manufacturer, praying for letters patent for the invention of "extracting the fibre from zostera marina, and other aquatic vegetable productions,"—was deposited and recorded in the Office of the Commissioners on the 21st day of November, 1863, 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
2950. Inventions.

NOTICE is hereby given, that the petition of St. George Gregg, of No. 3, Austin-friars, in the city of London, and Thomas Gray, of Mitcham, in the county of Surrey, Bleacher, praying for letters patent for the invention of "the production of thread, cordage, and woven textile fabrics from prepared fibre of hemp, or any of the plants known of the order or genus 'cannabis,' and in mixing such prepared fibre with cotton, silk, or animal wool,"—was deposited and recorded in the Office of the Commissioners on the 24th day of November, 1863, 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

2480. To Daniel Lange, of 5, Trinity-square, Tower-hill, in the city of London, for the invention of "certain improvements in railway wrappers."

On his petition, recorded in the Office of the Commissioners on the 9th day of October, 1863.

2568. To Max Pettenkofer, Professor of Chemistry in the University of Munich, Member of the Royal Academy of Science in Munich (Bavaria), for the invention of "restoring the surface of pictures in oil without any danger to their original state."

On his petition, recorded in the Office of the Commissioners on the 20th day of October, 1863.

2599. To Frederick Bullock, Rear-Admiral, of No. 16, Richmond-terrace, Gravesend, in the county of Kent, for the invention of "improvements in ships' logs, or apparatus for ascertaining the speed of ships."

On his petition, recorded in the Office of the Commissioners on the 22nd day of October, 1863.

2702. To William Law, of Northampton, in the county of Northampton, Cabinet Manufacturer, for the invention of "improvements in the construction of articles of furniture known as wardrobes, including improved arrangements for attaching doors to the same, such improvements in attaching doors being applicable to other articles of furniture."

2708. And to Edward Jones, of Charlton, in the county of Kent, for the invention of "improvements in the manufacture of bricks, drain pipes, traps, sewage tanks, and water-closet pans and valves, and the machinery and apparatus necessary for the same."

On both their petitions, recorded in the Office of the Commissioners on the 31st day of October, 1863.

2715. To David Davy, Junior, of Sheffield, in the county of York, Engineer, for the invention of "improvements in steam hammers."

On his petition, recorded in the Office of the Commissioners on the 3rd day of November, 1863.

2733. To William Audinwood, of Castle Donington, in the county of Leicester, Proprietor of Steam Thrashing Machines, for the invention of "improvements in thrashing machines."

On his petition, recorded in the Office of the Commissioners on the 4th day of November, 1863.

2735. To Greenwood Craven, William Craven, and John Craven, of the Vauxhall Iron Works, in the city of Manchester, Engineers and Tool Makers, for the invention of "improvements in machinery for cutting and planing iron and other metals, particularly applicable to machinery for cutting and planing armour plates."

2740. And to Bewicke Blackburn, of Chelsea, in the county of Middlesex, Esquire, for the invention of "an improved coupling or buckle"

On both their petitions, recorded in the Office of the Commissioners on the 5th day of November, 1863.

2752. To Robert Sellar, of Huntly, Aberdeenshire, North Britain, Agricultural Implement Manufacturer, for the invention of "an improvement in the construction of harrows."

2760. To William Daniel Allen, of Laithfield House, Norfolk-road, Sheffield, in the county of York, Steel Manufacturer, for the invention of "improvements in casting ingots of steel."

2764. And to William Edward Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Civil Engineer, for the invention of "improvements in sewing machines." A communication to him from abroad by Walter Davis Richards, of Boston, in the United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 6th day of November, 1863.

2770. To John Dyson, Joseph Dyson, and George Walter Dyson, all of Tinsley, in the county of York, Ironfounders, for the invention of "improvements in the method of, and machinery for, forming metal plates, bars, and rods taper."

2776. And to Charles Denton Abel, of No. 20, Southampton-buildings, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in apparatus for raising and lowering bodies. A communication to him from abroad by Friederich Klingensfeld, of Nürnberg, in the Kingdom of Bavaria, Professor.

On both their petitions, recorded in the Office of the Commissioners on the 7th day of November, 1863.

2798. To Francois Testuz, of Besançon, in the French Empire, at present residing at No. 11, Air-street, Piccadilly, in the county of Middlesex, for the invention of "improvements in breaks applicable to railway and other carriages."