

## Patent Law Amendment Act, 1852.

Office of the Commissioners of Patents for Inventions.

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

2825. To Joseph Henry Shorthouse, of Birmingham, in the county of Warwick, Manufacturing Chemist, and John Ferguson, also of Birmingham aforesaid, Practical Chemist, for the invention of "an improved process for recovering and utilizing certain waste metallic products."

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

2855. To Joseph Lewis, of No. 51, High-street, Bloomsbury, in the county of Middlesex, Engineer, for the invention of "improvements in fire arms and cartridges."

On his petition, recorded in the Office of the Commissioners on the 3rd day of November, 1866.

2895. To Peter Kirk, of Workington, in the county of Cumberland, Engineer, for the invention of "certain improvements in machinery or apparatus for rolling metals."

2897. To John Scott Cavell, of Gray's-inn-square, in the county of Middlesex, for the invention of "improvements in the construction of automaton figures or toys."

2899. To Charles Churchill, of Norwood, in the county of Surrey, Merchant, for the invention of "an improved chuck for holding drills, and other tools."—A communication to him from abroad by Albert Beach, of Newark, New Jersey, United States of America.

2903. And to Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for the invention of "improvements in reaping machines."—A communication to him from abroad by Jacob William Shuckers, of the city of New York, United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 7th day of November, 1866.

2905. To Thomas Kershaw, of Hulme, in the county of Lancaster, Overlooker, for the invention of "certain improvements in that portion of a loom that is employed in 'taking up' the cloth."

2907. To John James Bagshawe, of The Thames Steel Works, Sheffield, in the county of Yorkshire, for the invention of "improvements in furnaces for burning or consuming smoke, more especially applicable to the furnaces of boilers."

2909. And to George Shaw, of Birmingham, in the county of Warwick, Patent Agent, for the invention of "improvements in the manufacture of coke, and the small coke called breezes, and in the manufacture of coal gas."—A communication to him from abroad by August Conrad Dewies, of Liège, in the Kingdom of Belgium.

On their several petitions, recorded in the Office of the Commissioners on the 8th day of November, 1866.

2917. To Edward Knowles Heaps, of Leeds, in the county of York, Ironmonger, for the invention of "improvements in cooking ranges."

2921. To John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for the invention of "improvements in fastenings or couplings."—A communication to him from abroad by Emile Elie Thiercelin, of Paris, in the Empire of France.

9 23. 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 pocket knives."

—A communication to him from abroad by William Sausser, of Hannibal, in the State of Missouri, United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 9th day of November, 1866.

2929. To Henri Adrien Bonneville, of the British and Foreign Patent Offices, 38, Porchester-terrace, Bayswater, in the county of Middlesex, Patent Agent, for the invention of "an improved greasing apparatus to diminish friction."

—A communication from Paul Beljambe, a person resident at Place Napoléon, Lyons, in the Empire of France, Merchant.

2933. To William Robertson and Charles James Waddell, both of the city of Manchester, in the county of Lancaster, Engineers, for the invention of "improvements in carding engines."

2937. To Gustave Josse, of Giltspur-street, in the city of London, for the invention of "improvements in ornamenting and producing certain figured and embossed surfaces for various useful purposes."

2941. To Robert Lakin, of the city of Manchester, Machinist, and John Wain, of the same place, Mechanic, for the invention of "improvements in machines for spinning and doubling cotton and other fibrous materials."

2943. To John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for the invention of "improvements in the manufacture of chains, and in machinery or apparatus employed therein."—A communication to him from abroad by Josiah Copley the younger, of Allegheny City, State of Pennsylvania, United States of America.

2947. To George Crawshay, of the firm of Hawks, Crawshay, and Sons, Iron Works, Gateshead-on-Tyne, in the county of Durham, and John Thomas, of Newcastle-on-Tyne, in the county of Northumberland, for the invention of "improvements in the treatment of scoria or slag of copper ores, or scoria from other ores containing iron, in order to extract the iron therefrom, and in refining pig or cast iron to improve the quality of wrought or cast iron."

2949. And to John Denley, of Cheltenham, in the county of Gloucester, for the invention of "improvements in chimney tops, for the purpose of preventing or curing the down draught of smoke."

On their several petitions, recorded in the Office of the Commissioners on the 10th day of November, 1866.

2951. To George Perry, of Birmingham, in the county of Warwick, Engraver and Engine Turner, for the invention of "improvements in lockets, brooches, and other articles of jewellery."

2953. To James Ingram, Merchant, and Heinrich Stapfer, Dentist, both of the city of Manchester, and county of Lancaster, for the invention of "improvements in apparatus for testing the lubricity of oils and other lubricants."

2957. To George Crawshay, of the firm of Hawks, Crawshay, and Sons, Iron Works, Gateshead-on-Tyne, in the county of Durham, and John Thomas, of Newcastle-on-Tyne, in the county of Northumberland, for the invention of "improvements in the treatment of titaniferous iron ores, and in extracting iron therefrom, also for utilising the scoria produced."