

the invention of "improvements in lamps"—a communication to him from abroad by John Henry Irwin, in the city and county of Philadelphia, and State of Pennsylvania, United States of North America—was deposited and recorded in the Office of the Commissioners on the 6th day of December, 1872, 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
3737. Inventions.

NOTICE is hereby given, that the petition of William Robert Lake, of the firm of Haseltine, Lake, and Co., Patent Agents, Southampton-buildings, London,—praying for letters patent for the invention of "an improved method of clarifying and settling varnishes, oils, and other like substances,"—a communication to him from abroad by Franklin Kersting, of Grand Rapids, Michigan, United States of America, Grainer and Polisher,—was deposited and recorded in the Office of the Commissioners on the 9th day of December, 1872, 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—

3068. To Jean Marie Trémaux, of Algiers, for the invention of "an improved piston packing." On his petition, recorded in the Office of the Commissioners on the 17th day of October, 1872.

3160. To William Temple Cooper, of Oxford-street, in the county of Middlesex, Pharmaceutical Chemist, for the invention of "improvements in preparing or making up medicated and other effervescing mixtures." On his petition, recorded in the Office of the Commissioners on the 24th day of October, 1872.

3232. To William Temple Cooper, of Oxford-street, in the county of Middlesex, Pharmaceutical Chemist, for the invention of "an improvement in the manufacture of lozenges." On his petition, recorded in the Office of the Commissioners on the 31st day of October, 1872.

3342. To Stephen Alley, of Glasgow, in the county of Lanark, North Britain, Engineer, for the invention of "improvements in apparatus for measuring, pumping, or obtaining motive power from liquids." On his petition, recorded in the Office of the Commissioners on the 11th day of November, 1872.

3359. To George Smith Hare and Charles Stuart, both of Hull, in the county of York, Marine Engineers, for the invention of "improvements in the method of, and apparatus for, stopping and plugging the tubes of steam boilers." On his petition, recorded in the Office of the Commissioners on the 12th day of November, 1872.

3374. To Robert Punshon, of 4, Queen's-square, Westminster, in the county of Middlesex, Gentleman, for the invention of "improvements in shovels or instruments for feeding fires with fuel." On his petition, recorded in the Office of the Commissioners on the 13th day of November, 1872.

3423. To Thomas Crisell Blyth, of Great Yarmouth, in the county of Norfolk, Engineer, for the invention of "improvements in stoves for heating apartments, halls, and other like places." On his petition, recorded in the Office of the Commissioners on the 16th day of November, 1872.

3464. To Edwin Hills, of Warsash, in the county of Southampton, Manufacturing Chemist, and Benjamin Biggs, of No. 3, Lawrence Pountney Hill, in the city of London, Merchant, for the invention of "improvements in deodorizing and purifying sewage and other excrementitious matters and in obtaining certain useful products therefrom." On their petition, recorded in the Office of the Commissioners on the 20th day of November, 1872.

3477. To Peter Jensen, of 89, Chancery-lane, in the county of Middlesex, Engineer and Patent Agent, for the invention of "improvements in the manufacture of steel."—A communication to him from abroad by Thomas Brooks, of Minerva, in the county of Stark, and State of Ohio, in the United States of America. On his petition, recorded in the Office of the Commissioners on the 21st day of November, 1872.

3495. To Charles O'Laughlin Lamb Prendergast, of Wokingham, in the county of Berkshire, Captain in the Bengal Staff Corps, for the invention of "a new method of protecting cheques from forgery." On his petition recorded in the Office of the Commissioners, on the 22nd day of November, 1872.

3512. To Charles Owen, of 46 and 48, City-road, London, in the county of Middlesex, for the invention of "improved means for electrical inter-communication between passenger and guard, guard and guard, and guard and engine driver." 3514. And to John Lamacraft, of Warwick-street, Regent-street, in the county of Middlesex, for the invention of "an improved method of preparing paper for transmission by post or otherwise, without the use of wrappers or envelopes." On both their petitions, recorded in the Office of the Commissioners on the 23rd day of November, 1872.

3550. To Richard Porter, of the Steam Brewery, Whittlesford, Cambridgeshire, for the invention of "improvements in brake apparatus for wheeled vehicles." On his petition, recorded in the Office of the Commissioners on the 26th day of November, 1872.

3589. To Edward Burstow, of Horsham, in the county of Sussex, Architect, for the invention of "a new or improved window sash stop or fastener." 3590. To Thomas Rowan, of Glasgow, in the county of Lanark, North Britain, Chemist, for the invention [of "improvements in boiler furnaces." 3591. To Henry Joseph François Hubert Foveaux, of No. 62, Strand, in the county of Middlesex, Surgical Instrument Maker, for the invention of "an improved clinical thermometer." 3592. To Robert Burn, Junior, of Epsom, in the county of Surrey, Engineer, and Joseph Howard, of Wimbledon, in the said county, Permanent Way Inspector, for the invention of "improvements in the construction of and mode of actuating the 'diamond' and 'common' crossings of railways."