

square, in the county of Middlesex, Gentleman, praying for letters patent for the invention of "improvements in mechanism or apparatus for feeding fuel into furnaces, fire boxes, and fire grates,"—was deposited and recorded in the Office of the Commissioners on the 3rd day of January, 1868, 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.

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

2492. To Achille Edward Gelhay, of Windmill-road, Croydon, in the county of Surrey, Engineer, for the invention of "improvements in machines for manufacturing chains, cords, ropes, and the manner of making such chains, cords, and ropes."

On his petition, recorded in the Office of the Commissioners on the 3rd day of September, 1867.

3318. To Peter Salmon, of No. 6, Great Smith-street, Westminster, in the county of Middlesex, Engineer, for the invention of "improvements in the manufacture of gas, and in the treatment and application of such and other gases for cooking, warming, lighting, generating of steam, and other purposes, combined with their use as a motive power, previous to being burned or consumed, and improvements in the apparatus for these purposes."

On his petition, recorded in the Office of the Commissioners on the 23rd day of November, 1867.

3421. To William Black and Thomas Hawthorn, both of the town of Gateshead, in the county of Durham, for the invention of "improvements in valves for steam engines."

On their petition, recorded in the Office of the Commissioners on the 2nd day of December, 1867.

3530. To Noah Paxman, junr., of Clifton Hampden, in the county of Oxford, Farmer, for the invention of "improvements in steam cylinders and the peculiar arrangement of the mechanism connected therewith."

On his petition, recorded in the Office of the Commissioners on the 12th day of December, 1867.

3542. To Edward Reed Sintzenich, of Duke-street, St. James's, in the county of Middlesex, for the invention of "improvements in the treatment of gutta percha, Indian rubber, Honduras gum and the other allied gums, for the production of a preparation or preparations applicable as a varnish, cement, paint, stain water, and air proof material, solid or elastic material, and for other purposes."—A communication to him from abroad by Daniel Reed, of the city of New York.

3543. To George Whitehead, of Newcastle-on-Tyne, in the county of Northumberland, Chemist and Druggist, for the invention of "improvements in capsules or coverings for bottles and other like vessels."

3548. And to Leopold Auguste Damm, of Seething-lane, in the city of London, for the invention of "improved appliances and means for conveying salt water fish through fresh water and overland and on land."—A communication

to him from abroad by Adolphe Smidth, of Copenhagen, in the kingdom of Denmark.

On their several petitions, recorded in the Office of the Commissioners on the 13th day of December, 1867.

3556. To Archibald McMurdo, Rear-Admiral in the Royal Navy, of Cargenholm, Dumfries, for the invention of "improvements in apparatus for saving life from drowning."

On his petition, recorded in the Office of the Commissioners on the 14th day of December, 1867.

3597. To Thomas Comfield the younger, of Queen's-road, Buckhurst Hill, Chigwell, in the county of Essex, for the invention of "improvements in brakes for railway and other carriages, and in signalling and other apparatus in connection therewith, which improvements are also partly applicable to other purposes."

3598. And to William Preston and Charles Walker, of Dewsbury, in the county of York, Overlookers, for the invention of "improvements in machinery known as the condenser carder."

On both their petitions, recorded in the Office of the Commissioners on the 18th day of December, 1867.

3605. To Edward Taylor Bellhouse, of the Eagle Foundry, in the city of Manchester, Engineer, for the invention of "improvements in the construction of fire-proof floors for buildings."

3607. To William Alexander Hubbard, of Ramsgate, in the county of Kent, Gentleman, for the invention of "improved proportional compasses and dividers."

3608. To John Sacheverell Gisborne, of Liverpool, in the county of Lancaster, Electrical Engineer, for the invention of "improvements in electric telegraphic apparatus, and in the symbols or characters connected with the transmission of messages by electric telegraphs."

3609. To Lewis Matthews Becker, of No. 2, Guildhall-chambers, Basinghall-street, in the city of London, Telegraphic Engineer, for the invention of "improvements in the arrangement of electric telegraph and other wires, and the apparatus employed or connected therewith, and in laying and supporting wires for telegraphic or other purposes."

3611. To John Clay, of Yardley, in the county of Worcester, Saddler, for the invention of "improvements in saddles."

3613. To Edgar Breffit, of Castleford, in the Southern Division of the West Riding of the county of York, for the invention of "improvements in glass bottle house pot carriages and implements used in setting glass bottle house pots, which invention admits of improvements in the construction of furnaces for melting bottle or other glass in open pots."

3615. To Reginald Chauncy, of 3, Clyde-street, Brompton, in the county of Middlesex, Gentleman, for the invention of "improvements in the preparation of a substitute for emery paper."

3617. To Joseph Simmons, of Ravenscourt-park, Hammersmith, in the county of Middlesex, for the invention of "the purpose of producing an optical illusion of apparently beheading or otherwise dismembering a human being."

3619. And to Charles Beck, of 4, Queen-street, Cheapside, in the city of London, for the invention of "improvements in joining horn and whalebone."

On their several petitions, recorded in the Office of the Commissioners on the 19th day of December, 1867.