

a complete specification accompanying such petition was at the same time filed in the said office.

Office of the Commissioners of Patents for Inventions.

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

1933. To Simon Cornelis Van der Mey, of Amsterdam, Holland, now of No. 8, Southampton-buildings, London, for the invention of "improved apparatus for preventing the collision of railway trains."—A communication to him from abroad by Edzard Willem Ansingh, of Amsterdam aforesaid, Chemist.

On his petition, recorded in the Office of the Commissioners, on the 3rd day of June, 1874.

2483. To Michael Henry, of Fleet-chambers, 68, Fleet-street, in the city of London, Patent Agent, for the invention of "improvements in the method of, and apparatus for, treating residua of distillation, fermentation, and similar operations, in order to obtain and utilize ammonia, carbonic acid, ammoniacal salts, alkaline carbonates, salt petre, and other products."—A communication to him from abroad by Louis Charles Emeric Fauchaux, of 17, Boulevard Saint Martin, Paris, France.

On his petition, recorded in the Office of the Commissioners on the 16th day of July, 1874.

2632. To William Dobson Bowness, Marine Store Dealer, and James Judge, Engine Fitter, both of Bishop Auckland, in the county of Durham, for the invention of "improvements in apparatus for generating and purifying gas for illuminating and other purposes."

On their petition, recorded in the Office of the Commissioners on the 28th day of July, 1874.

2733. To William Edward Gedge, of No. 11, Wellington-street, Strand, in the county of Middlesex, Patent Agent, for the invention of "a new or improved quilted fabric for covering steam engines, and for other purposes."—A communication to him from abroad by Charles Gaudetroy, fils, of Beaucamps-le-Vieux (Somme), France, Merchant.

On his petition, recorded in the Office of the Commissioners on the 7th day of August, 1874.

2761. To William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for the invention of "an improved governor for steam engines."—A communication to him from abroad by Matthew Muchin, of Riga, in the Empire of Russia.

On his petition, recorded in the Office of the Commissioners on the 10th day of August, 1874.

2777. To Charles Axon, of Pulton, in the county of Lancaster, Railway Engineer, and Adam Bullough, of Blackburn, in the same county, Manufacturer, for the invention of "improvements in apparatus for coupling railway carriages."

2779. To Edwin Sykes, of Masborough, in the county of York, for the invention of "improvements in stoves."

2781. To Jesse Lumb, of Folly Hall, Huddersfield, in the county of York, Worsted Spinner, and Sam Bottomley, of the same place, Engine Tenter, for the invention of "improvements in steam engine lubricators."

2785. And to Myer Dittenhoefer, of St. Denis, near Paris, in the Republic of France, but at present of Mincing-lane, in the city of London, Manufacturer, for the invention of "an improvement in the manufacture of combs."

On their several petitions, recorded in the Office

of the Commissioners, on the 12th day of August, 1874.

2788. To John Richards, of Birmingham, in the county of Warwick, Jeweller, for the invention of "improvements in fastenings for solitaires, sleeve links, studs, and other articles of jewellery and dress."

2789. To Mason Pearson, of Little Horton, Bradford, in the county of York, Overlooker, for the invention of "improvements in looms for weaving narrow fabrics."

2790. To George Huntriss, Colliery Proprietor, and John Swinburn, Mechanical Engineer, the former of Doncaster, in the county of York, the latter of Wombwell, in the same county, for the invention of "improvements in machinery for tunnelling, holing, cutting, drilling, and getting coal or other minerals."

2791. To Paul Chenailier, of No. 7, Place Voltaire, Paris, in the Republic of France, Civil Engineer, for the invention of "an improved apparatus for extracting the soluble matters from wood or other substances."

2792. To George Caton, of Rochdale, in the county of Lancaster, General Pattern Maker, for the invention of "improved apparatus to be employed in connection with fire grates used for domestic and other purposes."

2793. To Thomas Cass, of Little Bolton, in the county of Lancaster, Engineer and Millwright, for the invention of "improvements in the furnaces of steam boilers and other heaters."

2794. To Thomas Terrell, of Penarth, in the county of Glamorgan, for the invention of "improvements in castors."

2796. To Henry Walton Whitehead, of Holbeck, in the parish of Leeds, in the county of York, a Partner in the firm of Taylor, Wordsworth, and Company, of the same place, Machine and Tool Makers, for the invention of "improvements in the drawing off apparatus of gill boxes and carding and balling machinery used in the drawing and carding of wool, flax, tow, silk, cotton, and other fibrous substances."—A communication to him from abroad by Messieurs Skeine and Devallée, of Roubaix, in the Republic of France.

2797. To Francis St. John Jones, of Worcester, in the county of Worcester, Engineer, for the invention of "improvements in taps and valves for regulating the flow of gas and other fluids."

2798. To John Yeldham Betts, of Coventry, in the county of Warwick, Miller, for the invention of "an improved means of preventing incrustation in steam boilers."

2800. To Frederick John Cheesbrough, of the Office for Patents, 15, Water-street, Liverpool, in the county of Lancaster, Consulting Engineer, for the invention of "an improved automatic coupler and buffer for railway rolling stock."—A communication to him from abroad by Oldknow Pooley, of Buffalo, in the State of New York, United States of America.

2802. And to Michael Henry, of Fleet-chambers, 68, Fleet-street, in the city of London, Patent Agent, for the invention of "improvements in the method of, and apparatus for, obtaining ammonia from waste products and other matters."—A communication to him from abroad by Joseph Alfred Ferdinand Lair, of 17, Boulevard Saint Martin, Paris, France.

On their several petitions, recorded in the Office of the Commissioners on the 13th day of August, 1874.

2805. To Andrew Betts Brown, of Edinburgh, in the county of Midlothian, Engineer, for the