

the Commissioners on the 5th day of December, 1863.

3064. To John Ford Hallet, of Old Compton-street, Soho, Licensed Victualler, and Thomas Loynes White, of Litchfield-street, Soho, Carpenter, for the invention of "an improved apparatus for checking cash taking at intervals."

3066. To William Firth, of Burley, near Leeds, in the county of York, Merchant, Samuel Firth, of the same place, Gentleman, and John Sturgeon, of Leeds aforesaid, Consulting Engineer, for the invention of "certain improvements in machinery for cutting and boring coal, stone, or other minerals."

3068. To John Hawkins Simpson, of Kilmeena, Westport, in the county of Mayo, Ireland, for the invention of "improvements in the manufacture of boots and shoes."

3070. To Richard Archibald Brooman, of 166, Fleet-street, in the city of London, Patent Agent, for the invention of "improvements in crinoline or hooped skirts."—A communication to him abroad by Edme Ferdinand Evras, of Paris, France.

3072. To Rowland Richards, of Birmingham, in the county of Warwick, Gun Manufacturer, and Samuel Clement Willetts, of Birmingham aforesaid, Gun Action Filer, for the invention of "improvements in breech loading fire arms."

3074. To Edward Clifton, of Bradford, in the county of York, Ironmonger, for the invention of "improvements in or applicable to machinery for preparing and combing wool and other fibrous substances."

3075. To Thomas Bate, of Saint George's-terrace, Kilburn, in the county of Middlesex, Grocer, for the invention of "improvements in receptacles for containing biscuits, fruits, and other articles."

3076. And to William Charles Page, of Millwall, Poplar, in the county of Middlesex, Engine Driver, for the invention of "improvements in preventing the incrustation of steam boilers, and removing incrustation therefrom when formed."

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

3080. To George Charles Grimes, of No. 8, Wandle-terrace, South-street, Wandsworth, in the county of Surrey, for the invention of "improvements in the manufacture of fuses, vesuvians, or other cigar or pipe lights, and in means or apparatus employed in the manufacture of cigar or pipe lights, lucifer matches, and vestas."

3082. To Henry Benson James, of Fish-street-hill, in the city of London, Engineer, for the invention of "an improved composition for covering steam boilers and pipes, and other surfaces."

3084. To Joseph Wray, of the firm of Joseph Wray and Brothers, of Manchester, in the county of Lancaster, Spindle Manufacturer, for the invention of "certain improvements in the method of manufacturing spindles and 'skewers' to be employed in spinning fibrous substances, and in apparatus connected therewith."

3086. To Malcolm Guthrie, of Liverpool, in the county of Lancaster, for the invention of "an improved stamp for marking post letters and other articles requiring to be stamped or marked in a like manner."—In part, a communication to him from abroad by Edwin Guthrie, of New York, in the United States of America, and is partly the result of his own invention.

3090. To Robert Harrowby, of Bradford, in the county of York, Machine Maker, Jeremiah Foulds, of the same place, Overlooker, and Alfred Harrowby, also of Bradford aforesaid, Machine Maker, for the invention of "improvements in looms for weaving."

3092. To James Edward Boyd, of Hither-green, Lewisham, in the county of Kent, Gentleman, for the invention of "improvements in lawn mowing and grass cutting machines."—Partly a communication to him from abroad by Henry Fisher, of Alliance, Ohio, in the United States of America, and partly his own invention.

3094. To Peter Rigby Wason, of Corwar-house, near Dirvan, Ayrshire, for the invention of "improvements in apparatus used for heating and ventilating horticultural buildings."

3096. To Michael Henry, of 84, Fleet-street, in the city of London, Patent Agent, for the invention of "improvements in apparatus for regulating the passage of aeriform and other fluids."—A communication to him from abroad by Charles Joseph Louis Meynard, of 33, Boulevard Saint Martin, Paris, France.

3098. To Ebenezer Noah Gregory, of Albany-road, Camberwell, in the county of Surrey, Wire-Cloth Weaver, for the invention of "improvements in driving bands and pulleys for transmitting motion."

3100. And to William Louis Winans, of Dover-street, in the county of Middlesex, Gentleman, and Thomas Winans, of Baltimore, in the United States of America, but now residing at Dover-street aforesaid, Gentleman, for the invention of "improvements in adapting screw propellers for propelling ships or vessels for ocean navigation."

On their several petitions, recorded in the Office of the Commissioners on the 8th day of December, 1863.

3102. To Thomas Hammer Fletcher, late Captain in the Military Train, and Robert Forrest, Gent., both of Woolwich, in the county of Kent, for the invention of "an improved war rocket and rocket tube."

3104. To William Macklin, of Lincoln, in the county of Lincolnshire, Engineering Draughtsman, for the invention of "improvements in apparatus for reversing the motion of locomotives and other steam engines."

3106. To Thomas Perks, of Birmingham, in the county of Warwick, Jeweller, for the invention of "improvements in fastenings for brooches and other articles of jewellery."

3108. And to Neil Kennedy, junior, of Glasgow, in the county of Lanark, North Britain, Manufacturer, for the invention of "improvements in fire arms."

On their several petitions, recorded in the Office of the Commissioners on the 9th day of December, 1863.

3110. To William Galloway and John Galloway, both of Manchester, in the county of Lancaster, Engineers, for the invention of "improvements in presses for bending metal plates into the various forms required in naval architecture, and for other purposes."—A communication to them from abroad by John Cochrane, of the city of New York, in the United States of America.

3112. To Morritz Friedlander, Merchant, of the city of Breslau, in the Kingdom of Prussia, for the invention of "improved machinery for the treatment of tow and other fibrous substances."

3114. To John Anthony Pols, of Saint Martin's-street, in the county of Middlesex, and Peter Owen Bernard, of the city of London, Wine