

of the Commissioners on the 31st day of March, 1871.

898. To Athur Milsom Birchall, of Preston, in the county of Lancaster, Tobacco Manufacturer, for the invention of "improved apparatus for preventing explosions or accidents to steam boilers."

900. And to William Robson, of Blaydon on Tyne, in the county of Durham, Engineer, for the invention of "improvements in reciprocating slide valves of steam and other engines."

On both their petitions, recorded in the Office of the Commissioners on the 5th day of April, 1871.

933. To William Robert Lake, of the firm of Haseltine, Lake, and Co., Patent Agents, Southampton-buildings, London, for the invention of "an improved method of arranging furnaces and their flues."—A communication to him from abroad by Albin Peters, of Moscow, Russia.

936. And to Thomas William Atlee and George Jobson Atlee, trading under the style or firm of Atlee and Son, of Birmingham, in the county of Warwick, Manufacturers and Druggists, Factors, for the invention of "certain improvements in the construction of taps for drawing off fluids, and the means of applying the same to casks."

On both their petitions, recorded in the Office of the Commissioners on the 8th day of April, 1871.

949. To John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for the invention of "improvements applicable to button holes."—A communication to him from abroad by George Miles Wells, of Boston, in the United States of America.

On his petition, recorded in the Office of the Commissioners on the 11th day of April, 1871.

959. To Frederick Thomas Aldridge, of No. 70, Blackman-street, Southwark, in the county of Surrey, Hat Manufacturer, for the invention of "an improvement in the making of hat bodies."

On his petition, recorded in the Office of the Commissioners on the 12th day of April, 1871.

976. To William Bradbury, of Prestwich, in the county of Lancaster, Contractor, and Henry Whittaker, of Manchester, in the same county, Engineer, for the invention of "improvements in stillages employed in packing and baling presses."

978. To Richard Alphaeus Gooding, of Manchester, in the county of Lancaster, for the invention of "improvements in mechanism or apparatus to be employed for simultaneously printing and delivering checks, tickets, or labels consecutively numbered, or otherwise, to be employed as a means of checking the receipt of monies from persons entering places of amusement, and for other general purposes."

980. To David Greig and Max Eyth, both of the Steam Plough Works, Leeds, in the county of York, for the invention of "improvements in traction engines to travel on ordinary roads."

982. To Richard Hornsby and James Edwin Phillips, both of Spittlegate Ironworks, Grant-ham, in the county of Lincoln, for the invention of "improvements in ploughs."

984. To Narcisse Alphonse Delavigne, of Paris, Department of the Seine, in French Republic, Gentleman, for the invention of "a new galvanized-iron stopper for gaseous and other corking."

986. And to John Davenport Shakespear, of Augusta-road, Ramsgate, in the county of

Kent, Lieutenant - Colonel half - pay, Royal Artillery, for the invention of "improvements in apparatus or means for 'laying' ordnance."

On their several petitions, recorded in the Office of the Commissioners on the 13th day of April, 1871.

988. To William Duxbury, of Hall ith' Wood, near Bolton, in the county of Lancaster, Land and Mining Surveyor, for the invention of "machinery or apparatus for locking and for signalling on railways and tramways."

990. To Auguste Lafage, of Liverpool, in the county of Lancaster, for the invention of "an improved camp-bed, which may be used for several various other useful purposes."

992. To Hunter Henry Murdoch, of No. 7, Staple-inn, in the county of Middlesex, Patent Agent, for the invention of "improvements in refrigerating machines."—A communication to him from abroad by Edward Roettger, of Lille, France, Civil Engineer.

994. And to Samuel Inglis Redpath, of Berwick-upon-Tweed, in the county of Northumberland, for the invention of "improvements in knitting socks, stockings, and other similar articles, and in the machinery or apparatus employed therefor."

On their several petitions, recorded in the Office of the Commissioners on the 14th day of April, 1871.

996. To Alexander Mackie, of Warrington, in the county of Chester, Newspaper Proprietor, for the invention of "improvements in apparatus for forming combinations of perforations in paper or other substance or material to be symbols of, or to represent words, characters, numerals, or letters of the alphabet."

1000. To George Jackson and Albert Jackson, both in the employ of Sir Titus Salt, Baronet, Sons, and Company, of Saltaire, near Bradford, in the county of York, for the invention of "improvements in healds or heddles and parts connected therewith, and in means or apparatus employed in the manufacture of parts of such healds or heddles."

1002. To Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for an invention of "an improvement in stringed instruments of the fret or finger-board class."—A communication to him from abroad by Lucius Parmalee Wildman, of Danbury, in the State of Connecticut, United States of America.

1008. To Francis George Henry, of No. 24, Merrick-square, Southwark, in the county of Surrey, Engineer, for the invention of "improvements in meters or apparatus for measuring flowing liquids."

1010. And to Austin Goodyear Day, of Seymour, Connecticut, United States of America, now of No. 8, Southampton-buildings, London, for the invention of "an improved elastic compound."

On their several petitions, recorded in the Office of the Commissioners on the 15th day of April, 1871.

1014. To John Lawson, of Leeds, in the county of York, Machine Maker, for the invention of "improvements in preparing machinery for flax, tow, jute, hemp, and other fibrous substances."

1016. To Joseph Thomas Parlour, of Brooklyn, New York, United States of America, now of No. 8, Southampton-buildings, London, Shipwright, for the invention of "an improved framework for supporting the hop-bine and other climbing plants."