

of the Commissioners on the 18th day of April, 1860.

980. To Bernard Lauth, of the city of Manchester, in the county of Lancaster, Engineer, for the invention of "improvements in machinery or apparatus for straightening metal bars, rails, rods, tubes, plates, and other similar articles."

982. To Benjamin Harben, of Leadenhall-street, and Richard Isaac Hathaway, also of Leadenhall-street aforesaid, in the city of London, for the invention of "a substitute for ordinary butter, especially adapted for the use of pastry-cooks, biscuit bakers, and general culinary purposes."

984. To James Willis, of Little Britain, in the city of London, Umbrella Furniture Maker, for the invention of "improvements in the manufacture of umbrellas and parasols, part of which improvements is applicable to walking sticks."

986. And to Josef Franz Mayr, of Vienna, in the Empire of Austria, Merchant, for the invention of "improvements in the obtaining of light, and in the apparatus employed therein."—A communication to him from abroad, by Johann Nepomuck Reithoffer, of Vienna aforesaid, India Rubber Manufacturer.

On their several petitions, recorded in the Office of the Commissioners, on the 19th day of April, 1860.

988. To Charles Felix Seville, of Nantes, in the Empire of France, Manufacturer, for the invention of "a non metallic composition to be used in the manufacture of water, gas, and other pipes or conduits and machinery or apparatus to be used in such manufacture."

992. To William Collinson Ridings, of Middleton, in the county of Lancaster, Pattern Designer, for the invention of "improvements in machinery or apparatus for reading and repeating designs for perforating cards or paper for jacquard weaving."

994. To Hugh Adams Silver, of Silvertown, in the county of Essex, Manufacturer, and James Barwick, of the same place, Turner, for the invention of "improvements in moulding india rubber and other like gums in cells for galvanic batteries, and in insulations for telegraph wires."

996. And to Abraham Denny and Edward Maynard Denny, both of Waterford, Ireland, for the invention of "a revolving feed apparatus, as applied to singeing pigs, to facilitate the introduction of the carcasses into the singeing apparatus."

On their several petitions, recorded in the Office of the Commissioners on the 20th day of April, 1860.

998. To William Clark, of No. 53, Chancery-lane, in the county of Middlesex, Engineer and Patent Agent, for the invention of "improvements in enclosing or covering opium and other matters."—A communication to him from abroad, by Mr. Pierre Hector Aubergier, of Paris, in the Empire of France, Chemist.

1000. To William Butlin, of Northampton, in the county of Northampton, for the invention of "improvements in apparatus for super-heating the steam and heating the feed water in steam boilers."

1002. To Joseph Lewtas, of Manchester, in the county of Lancaster, Manufacturer of Venetian and other Blinds, for the invention of "an improvement applicable to outside sun blinds."

1004. To William Buckwell, of Phoenix Stone Works, East Greenwich, in the county of Kent, Engineer, for the invention of "improvements in the manufacture of slabs, plates, and panels for the transmission of light."

1006. And to James Walker, of Walsall, in the county of Stafford, Civil Engineer, for the invention of "improvements in railway points or switches and also in the keys for securing the rails in the chairs of railways."

On their several petitions recorded in the Office of the Commissioners on the 21st day of April, 1860.

1008. To John Parkinson, of the Victoria Brass Works, Bury, in the county of Lancaster, for the invention of "improvements in machinery for separating small particles of iron or steel from brass and other metals or materials."

1012. To Richard Archibald Brooman, of No. 166, Fleet-street, in the city of London, Patent Agent, for the invention of "improvements in milk cans."—A communication to him from abroad by Louis Pierre Huard, of Paris.

1014. And to George Henry Birkbeck, Engineer and Patent Agent, of No. 34, Southampton-buildings, Chancery-lane, in the county of Middlesex, for the invention of "improvements in machinery or apparatus for printing woven or other fabrics or tissues."—A communication to him from abroad by Leon Malzard, Engraver, and Edouard Leopold Dulac, Printer, both of Paris, in the Empire of France.

On their several petitions, recorded in the Office of the Commissioners on the 23rd day of April, 1860.

1015. To Alexander Ritchie, of the city of Glasgow, in the county of Lanark, Accountant, residing at No. 4, Oakvale, Hillhead, near Glasgow aforesaid, for the invention of "an improved system of bookkeeping."

1017. To Edward Hillam, of Baildon, near Leeds, in the county of York, Mechanic, and Richard Renner Wilson, of Halifax, in the same county, Gentleman, for the invention of "improvements in apparatus employed in finishing textile fabrics."

1019. To Edward Wilkins, of No. 8, Bath-terrace, Camberwell New-road, in the county of Surrey, Gentleman, for the invention of "improvements in the manufacture of boots, shoes, and goloshes."

1021. To James Brodie, of Bow, of Fife, in the county of Fife, North Britain, Clerk, for the invention of "improvements upon latches and bolts employed in locks and other fastenings."

1023. To Francis Wrightson, of Birmingham, in the county of Warwick, Professor of Chemistry in Sydenham College, Birmingham, for the invention of "improvements in applying certain waste or refuse products to the purification of coal gas and in utilizing compounds obtained in purifying coal gas."

1024. To John Stafford, of Oakerthorpe, in the county of Derby, Manager, and Benjamin Stafford, of New Lenton, in the county of Nottingham, Machine Builder, for the invention of "an improved method of applying heated air or steam for drying stoves, or boiling liquids, or for other purposes."

1025. To Charles Edmund Albrecht, of Radnor-place, Hyde-park, in the county of Middlesex, Gentleman, for the invention of "an improved apparatus for sifting or screening."

1026. To John Wallace Fuller, of Her Majesty's Dock-yard, Deptford, in the county of Kent,