

829. And John Ferris, of Leyton, in the county of Essex, Civil Engineer, has given the like notice in respect of the invention of "an improved lubricating apparatus, for lubricating the slide-valves and cylinders of steam engines." As set forth in his petition, recorded in the said office on the 21st day of March, 1870.

846. And Sidney Stevens Turner, of Westborough, in the county of Worcester, State of Massachusetts, United States of America, has given the like notice in respect of the invention of "improvements in machines for sewing straw."

As set forth in his petition, recorded in the said office on the 22nd day of March, 1870.

853. And John Baker Colbran and William Pollard, both of Holloway, in the county of Middlesex, have given the like notice in respect of the invention of "an improved trap for catching mice, rats, and other vermin or animals."

As set forth in their petition, recorded in the said office on the 23rd day of March, 1870.

868. And Edwin Cambridge, of the city of Bristol, Engineer, has given the like notice in respect of the invention of "improvements applicable to steam boilers or generators."

As set forth in his petition, recorded in the said office on the 24th day of March, 1870.

875. And Thomas Gibb and Charles Gelstharp, both of Jarrow-on-Tyne, in the county of Durham, have given the like notice in respect of the invention of "improvements in extracting copper from ores and compounds."

881. And Joseph Townsend, of Glasgow, in the county of Lanark, North Britain, Manufacturing Chemist, has given the like notice in respect of the invention of "improvements in obtaining and applying iron and manganese protoxides or their carbonates, in obtaining and applying baryta strontia and salts thereof, in obtaining potash, soda, and sulphur, and in utilising bye or "waste" products, arising in the manufacture of chlorine, copper and alum."

As set forth in their respective petitions, both recorded in the said office on the 25th day of March, 1870.

889. And Charles Denton Abel, of No. 20, Southampton-buildings, Chancery-lane, in the county of Middlesex, Patent Agent, has given the like notice in respect of the invention of "improvements in machinery for grinding and polishing saws, also applicable for grinding and polishing sheets or plates of steel, and other metals."—A communication to him from abroad by William Jackson Lippincott, of Cincinnati, county of Hamilton, State of Ohio, United States of America.

890. And Joseph Watson, Charles Watson, and George Watson, of the firm of Joseph Watson and Sons, Tallow Chandlers and Candle Makers, of Woodhouse-lane, Leeds, in the county of York, have given the like notice in respect of the invention of "improvements in machinery for making dip candles."

As set forth in their respective petitions, both recorded in the said office on the 26th day of March, 1870.

901. And James Sampson, of Liverpool, in the county of Lancaster, Gentleman, and Richard Rowlands Minton, also of Liverpool, Paint Manufacturer, have given the like notice in respect of the invention of "an improved varnish paint."

903. And Silas Paul Baker, Timber Merchant, of Whitton, near Hounslow, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in apparatus for locking and unlocking gates on railways."

905. And Adolphe Nicole, of Soho-square, in the county of Middlesex, Watch Manufacturer, has given the like notice in respect of the invention of "improvements in lever escapements for watches and other time keepers."

909. And Otis Henry Weed, of Boston, Massachusetts, United States of America, Manufacturer, has given the like notice in respect of the invention of "an improved combined washing-machine and ironing table."

As set forth in their respective petitions, all recorded in the said office on the 28th day of March, 1870.

939. And Antonio Batalha Reis, of Lisbon, in the Kingdom of Portugal, but temporarily of Chandos-chambers, Adelphi, in the city of Westminster, has given the like notice in respect of the invention of "a new or improved apparatus applicable to barrels, casks, or vessels, for the preservation of fermented liquors."

943. And John Henry Johnson, of 47, Lincoln's Inn-fields, in the county of Middlesex, Gentleman, has given the like notice in respect of the invention of "improvements in the preparation of soluble phosphates of lime."—A communication to him from abroad by Ernest Deligny, of Paris, in the Empire of France.

As set forth in their respective petitions, both recorded in the said office on the 31st day of March, 1870.

997. And William Robert Lake, of the "International Patent Office," Southampton-buildings, London, Consulting Engineer, has given the like notice in respect of the invention of "an improved illuminated night clock."—A communication to him from abroad by Victor Atanas Pierret and Fritz Borel, of the firm of Pierret and Company, of Paris, in the Empire of France.

As set forth in his petition, recorded in the said office on the 4th day of April, 1870.

1037. And Thomas Aveling, of Rochester, in the county of Kent, Engineer, has given the like notice in respect of the invention of "improvements in the construction of agricultural, road, traction, and portable steam engines, and tramway locomotives."

As set forth in his petition, recorded in the said office on the 8th day of April, 1870.

1064. And Charles Clement Walker and William Thomas Walker, of Midland Iron Works, Donnington, near Newport, Shropshire, Engineers, have given the like notice in respect of the invention of "improvements in centre valves for gas purifiers and other apparatus."

As set forth in their petition, recorded in the said office on the 12th day of April, 1870.

1083. And William Spence, of 8, Quality-court, Chancery-lane, in the county of Middlesex, Patent Agent, has given the like notice in respect of the invention of "improvements in machines for shaping staves for casks and barrels."—A communication to him from abroad by Albert Taubert, of Paris, in the Empire of France, Contractor.

1089. And William Robert Lake, of the "International Patent Office," Southampton-buildings, London, Consulting Engineer, has given the