

of the Commissioners on the 30th day of March, 1870.

934. To Edward Funnell, of 54, East-street, Brighton, in the county of Sussex, Watch and Clock Manufacturer, for the invention of "a new or improved distance signal alarm for railways."

936. To Mark Knowles, of Walpole-street Iron Works, Blackburn, in the county of Lancaster, Machinist, and James Conlong, of Hollin Bank, Blackburn, in the said county, also Machinist, and William Frankland, of Grindleton, in the county of York, Cotton Manufacturer, for the invention of "improvements in looms for weaving."

938. To Charles Dudley Austin, of No. 40, Mosley-street, Newcastle-on-Tyne, Machinery and Commission Agent, for the invention of "improvements in lubricators."

942. To William Robert Lake, of the "International Patent Office," Southampton-buildings, London, Consulting Engineer, for the invention of "improvements in mechanism for diminishing friction."—A communication to him from abroad by Jean Baptiste Léopold Favier-Lagaye and Ernest Auguste Verleye, both of Paris, in the Empire of France.

944. To Robert Scott, of Addiewell, in the county of Mid Lothian, North Britain, Manager to Young's Paraffin Light and Mineral Oil Company (Limited), and William MacIvor, of the same place, Chemist, for the invention of "improvements in the treatment of mineral oils."

946. To John Nicholes Taylor, of North Shields, in the county of Northumberland, Blacksmith, for the invention of "improvements in clickouts or tools for drawing nails, spikes, and bolts, out of timber or other materials."

948. To Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for the invention of "improvements in preparing Iceland and Irish moss for use as a food."—A communication to him from abroad by William James Rand, of Brooklyn, in the State of New York, United States of America.

950. And to Joseph Bailey, of Wandsworth-road, in the county of Surrey, for the invention of "a new or improved apparatus for registering or indicating figures or numbers applicable to seats of chairs, weighing machines, and other useful purposes."

On their several petitions, recorded in the Office of the Commissioners on the 31st day of March, 1870.

#### PATENTS WHICH HAVE BECOME VOID.

**A** LIST of the Letters Patent for Inventions which have become void by reason of the non-payment of the additional Stamp Duty of £50, before the expiration of the third year from the date of such Patents, pursuant to the Act of the 16th Vict., c. 5, sec. 2, for the week ending the 2nd day of April, 1870.

889. Jean Marie Jomain, of 26, Rue de Malte, Paris, in the Empire of France, a Locksmith, for an invention of "improvements in the manufacture of iron outside Venetian blinds."—Dated 27th March, 1867.

895. Jean Marie Laurent, of the city of Lyons, in the French Empire, Manufacturer, for an invention of "improvements in setting razors, and in the stropps for that purpose."—Dated 27th March, 1867.

899. Archibald Turner, of Leicester, in the county of Leicester, Elastic Web Manufacturer, and William Edward Newton, of 66, Chancery-lane, in the county of Middlesex, Civil Engineer, for an invention of "improvements in machinery for the manufacture of carpets, coach lace, and other terry or cut-pile fabrics."—Dated 27th March, 1867.

906. John Grundy, of Wolstenholme Hall, in the county of Lancaster, for an invention of "certain improvements in fire bars to be employed in furnaces."—Dated 28th March, 1867.

914. William Wood, of Monkhill, near Pontefract, in the county of York, for an invention of "improvements in engines and machines for washing, beating, grinding, or reducing rags and other fibrous substances into paper pulp, and into fibres for yarn or cloth."—Dated 28th March, 1867.

916. Nathan Thompson, of Abbey-gardens, Saint John's-wood, in the county of Middlesex, for an invention of "improvements in the construction of bottles and other vessels, and in apparatus for closing the same."

923. John Garrett Tongue, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton-buildings, Chancery-lane, in the county of Middlesex, for an invention of "improvements in lace warp knitting or other similar machinery for the manufacture of looped and fast knotted fabrics, part of such machinery being applicable to sewing, stitching, or quilting purposes."—Communicated to him from abroad by Charles Keenan and John Keenan, Lace Manufacturers, and William Birks, senior, and William Birks, junior, Machinists, all of Puteaux (Seine), in the Empire of France.—Dated 29th March, 1867.

926. John Anderson Simpson, of Liverpool, in the county of Lancaster, Hat Manufacturer, for an invention of "improvements in the construction of umbrellas and parasols."—Dated 29th March, 1867.

930. Arthur Barff, of the Junior Athenæum Club, Gentleman, and Joshua Kidd, of 6, Great Newport-street, in the county of Middlesex, Engineer, for an invention of "improvements in utilizing the heating properties of petroleum and other liquid hydrocarbons and oils, and in apparatus employed therefor."—Dated 29th March, 1867.

933. William Clark, of 53, Chancery-lane, in the county of Middlesex, Engineer and Patent Agent, for an invention of "improvements in the manufacture of manure, and in apparatus for the same."—Communicated to him from abroad by Jean Georges Lucien Renard, Manufacturer, of 29, Boulevard St. Martin, Paris.—Dated 29th March, 1867.

935. James Bird, of 6, Seymour-street West, Connaught-square, in the county of Middlesex, and James Bird, of 2, Laurence Pountney-hill, in the city of London, for an invention of "improvements in the manufacture of artificial fuel."—Dated 29th March, 1867.

936. Edwin William Ball, of Birmingham, in the county of Warwick, Manufacturer, for an invention of "improvements in gas fire places and gas stoves, and in apparatus for heating conservatories and other rooms."—Dated 29th March, 1867.

937. Joseph Wolverson the younger, of Birmingham, in the county of Warwick, Lock Maker, for an invention of "improvements in locks and keys."—Dated 29th March, 1867.