

3892. To John Fairburn, of Sheffield, in the county of York, for the invention of "improvements in effecting the extraction of metals."
3893. And to John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for the invention of "improvements in the manufacture of tubular or hollow wooden articles or utensils, and in the machinery or apparatus employed therein."—A communication to him from abroad by the firm of Goulas and Company, of Senlis, Oise, in the Republic of France.
- On their several petitions, recorded in the Office of the Commissioners on the 11th day of November, 1874.
3895. To Samuel Richard Smyth, Engineer, &c., and Joseph Simpson, both of 58, Fountain-street, in the city of Manchester, and county of Lancaster, for the invention of "improvements in the manufacture of wrought iron and in furnaces for puddling, balling, and heating iron and steel, or other metals along with a mechanical puddler employed therein."
3896. To Robert Hudson, of Gildersome, near Leeds, in the county of York, for the invention of "improvements in carding engines."
3897. To John Parry, of Manchester, in the county of Lancaster, for the invention of "improvements in the construction of furniture castors."
3898. To James Smith Sutcliffe, James Sutcliffe Smith, and William Chew, all of Bacup, in the county of Lancaster, for the invention of "improvements in looms for weaving."
3899. To George Taylor Yull, of Neutra, in the Kingdom of Hungary, at present residing at Bedford, in the county of Bedford, Agriculturalist, for the invention of "improvements in machinery or apparatus for raising, lowering, moving, or transporting heavy bodies, applicable also to land cultivation by steam or other power."
3900. To John Ireland, of Dundee, in the county of Forfar, North Britain, for the invention of "improvements in shuttles for weaving, and in arranging the cops therein."
3901. To Alfred Bray Kempe, of No. 7, Crown Office-row, Temple, in the city of London, for the invention of "improvements in the means of reversing and multiplying angular motion, effecting rectilineal and parallel motions, and dividing angles."
3902. To James Quin, of Leyland, in the county of Lancaster, for the invention of "protecting india rubber valves, tubes, and other like articles from chemical action."
3904. To Thomas Priestland, of Birmingham, in the county of Warwick, Manufacturer, for the invention of "a liquid preparation to be employed as a means for the cure of disorders of the human eye."
3905. To James Paris, of West Bromwich, in the county of Stafford, Engineer, for the invention of "improvements in smoothing irons, and in means or apparatus for heating the same, and for lighting in connection therewith."
3906. To James Dunn, of Hanson-court, New Cannon-street, Manchester, for the invention of "taking off apparatus from paper ruling machines."
3907. To George Russell, of Motherwell, in the county of Lanark, North Britain, Engineer, for the invention of "new or improved couplings for revolving shafts."
3908. To William George Valentin, of the Royal College of Chemistry, South Kensington, in the county of Middlesex, for the invention of "im-

provements in the treatment of spent oxide of iron for the purpose of extracting cyanogen compounds therefrom."

3909. To Cornelius O'Sullivan, of Burton-on-Trent, in the county of Stafford, Brewer, and William George Valentin, of the Royal College of Chemistry, South Kensington, in the county of Middlesex, for the invention of "improvements in the treatment of starch and starchy substances, and the production therefrom of a compound body capable of being used as a substitute for malt in brewing, and for other purposes."
3910. To William Mather, of the firm of Messieurs Mather and Platt, of Salford, in the county of Lancaster, Engineers, for the invention of "improvements in apparatus for measuring liquids for obtaining motive power, and for exhausting and forcing air and other gases and fluids."—A communication to him from abroad by Emile Eugene Pierre Clausolles, of Barcelona, Spain, Doctor of Medicine.
3912. To George Knowles, junior, of Bolton, in the county of Lancaster, Cotton Spinner, for the invention of "improvements in carding engines."
3913. And to John Robinson, of Rochdale, in the county of Lancaster, Mechanical Engineer, and John Smith, of the same place, Mechanical Engineer, for the invention of "improvements in machinery for sawing wood."

On their several petitions, recorded in the Office of the Commissioners on the 12th day of November, 1874.

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 Vic., c. 5, sec. 2, for the week ending the 14th day of November, 1874.

3008. Hardy Wells, Civil Engineer, of 10, Devonshire-terrace, Notting Hill, London, Middlesex, for an invention of "improvements in railway permanent way, applicable to the passing of drainage and irrigation waters."—Dated 8th November, 1871.
3012. Alfred Arnold, of Halifax, in the county of York, Wire Manufacturer, and Charles Barraclough, of the same place, Mechanic, for an invention of "improvements in machinery for covering wire or other material with cotton, silk, or other thread or yarn."—Dated 8th November, 1871.
3014. Charles Davage, of Sheffield, in the county of York, Steel Forge Man, for an invention of "improvements in machinery for forming or shaping axles and other articles in steel or iron."—Dated 8th November, 1871.
3015. Joseph Ellicott Holmes, of Buckingham-street, Strand, in the county of Middlesex, Civil and Mechanical Engineer, for an invention of "an improved asphalt compound, and apparatus employed in the manufacture of the same, chiefly designed for paving streets."—Dated 8th November, 1871.
3016. Alfred Pierre Tronchon, of 2, Rue Sainte-Apolline, Paris, France, Mechanician, for an invention of "some improvements in the construction of counters for cabs, carriages, or other vehicles."—Dated 8th November, 1871.
3021. Jean Joseph Baranowski, former Under-Secretary of the Bank of Poland, and John Skwarcow, Civil Engineer, both of 13, Rue