

994. To Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in apparatus for washing and treating pulps."—A communication to him from abroad by Louis Joseph Amedée Lespermont, of 13, Boulevard St. Martin, Paris.
995. To John Pickering, of Glasgow, in the county of Lanark, North Britain, for the invention of "improvements in forming holes in iron castings."
996. To James More, Machinist, and William Leckie Graham Wright, Engineer, both of Glasgow, in the county of Lanark, North Britain, for the invention of "a new or improved arrangement of apparatus for forcing and projecting liquids or fluids, and raising the temperature of the same."
997. To Thomas Rose, of Oxton, in the county of Chester, Ironfounder, and Robert Emerson Gibson, of New Brighton, in the same county, Merchant, for the invention of "improvements in the utilization of a certain material obtained in treating cotton seed, and in machinery employed therein."
998. To Charles James Busk, of Pancras-lane, in the city of London, Merchant, for the invention of "an improved method of preparing or treating cements for the purpose of rendering them applicable for the production of artificial stone and architectural ornaments."—A communication to him from abroad by Robert Parish Busk, of Lille, in the Empire of France.
1000. And to John Parker, of Woodstock, Oxfordshire, Builder and Cabinet Maker, for the invention of "improvements in dry earth closets."

On their several petitions, recorded in the Office of the Commissioners on the 5th day of April, 1870.

1002. To John McNaught and William McNaught, junior, of St. George's Foundry, Rochdale, in the county of Lancaster, for the invention of "improvements in steam boiler furnaces for economizing fuel and consuming smoke."
1004. To Thomas Horridge, of Bolton, in the county of Lancaster, for an invention of "improved means of communicating between the passengers and guard upon railway trains."
1006. To Isham Baggs, of High Holborn, in the county of Middlesex, Scientific Chemist, for the invention of "improvements in making the carbonates of ammonia."
1008. To Alexander Horace Brandon, of 13, Rue Gaillon, Paris, in the Empire of France, Civil Engineer, for the invention of "an improved strap fastener."—A communication to him from William Sparks Thomson, also residing in Paris.
1010. To Joseph Mayer, of the firm of Mayer and Meltzer, of No. 59, Great Portland-street, in the county of Middlesex, Surgical Instrument Makers, for the invention of "improvements in specula for surgical purposes."
1012. To Frederick John Sweeting, of the Clyde Dry Dock, Rotherhithe, in the county of Surrey, Ship Builder, for the invention of "improvements in apparatus for indicating the distance travelled by cabs and other vehicles."
1014. And to William Young, Manager of the Chemical Works, Magdalen Bridge, in the county of Mid Lothian, and Peter Brash, of Leith, in the same county, Soap, Candle, and Oil Manufacturer, for the invention of "improvements in the manufacture of illuminating gas."

On their several petitions, recorded in the Office of

the Commissioners on the 6th day of April, 1870.

1018. To Andrew Betts Brown, of Vernon-place, Birkenhead, in the county of Cheshire, for the invention of "improvements in steering gear and in machinery for starting, stopping, and reversing heavy steam engines and turrets, and for discharging cargo."
1020. To Christopher Crossley and Robert Whipp both of Manchester, in the county of Lancashire, Drysalters, and Thomas Crossley, of Rochdale, in the same county, Manufacturing Chemist, for the invention of "improvements in the manufacture of size."
1024. To Louis Abraham Brode, of Glasgow, in the county of Lanark, North Britain, Paper Maker, for the invention of "improvements in obtaining fibre suitable for making paper and a brown colouring matter."
1028. To Thomas Robinson, of Widnes, in the county of Lancaster, Ironfounder, for the invention of "improvements in apparatus for skimming cast iron during the process of casting."
1030. And to Emile Daniel, of Bapeaume Town near Rouen (Seine Inferieure), France, for the invention of "an improved apparatus for indicating the water-level in steam boilers."
- On their several petitions, recorded in the Office of the Commissioners on the 7th day of April, 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 9th day of April, 1870.

991. James Whitehurst, of Manchester, in the county of Lancaster, Mechanic, and Thomas Walsh, of Salford, in the same county, Overlooker, for an invention of "improvements in looms for weaving."—Dated 3rd April, 1867.
994. Andrew Smith Hallidie, of San Francisco, California, at present residing at No. 18, Salisbury-street, Strand, London, W.C., Civil Engineer, for an invention of "improvements in the construction of suspension bridges."—Dated 3rd April, 1867.
999. John William Scott, of the city of Worcester, Manufacturer, for an invention of "improvements in needles and other similar articles."—Dated 3rd April, 1867.
1000. George Edward Van Derburgh, of the city and county of New York, in the State of New York and United States of America, Gentleman, for an invention of "an improved artificial stone for grinding, whetting, or polishing purposes, and a process for producing the same."—Dated 3rd April, 1867.
1007. William Robert Lake, of the "International Patent Office," No. 8, Southampton-buildings, Chancery-lane, in the county of Middlesex, Consulting Engineer, for an invention of "improvements in revolving breech-loading fire arms."—Communicated to him from abroad by William Herrick, of the city, county, and State of New York, United States of America.—Dated 3rd April, 1867.
1010. William Charles Webber, of Midhurst, in the county of Sussex, England, but at present residing at Mentone, in the Empire of France,