

4467. To Philip Harris, of Chatham, in the county of Kent, Lieutenant-Colonel Royal Marines Light Infantry, for the invention of "an improved protector for the neck and chest from cold."

4469. To William Cooke and Daniel Mylchreest, of Liverpool, in the county of Lancaster, Marine Engineers, Architects, and Surveyors, for the invention of "improvements in and applicable to steam generators."

4475. To Martin Zadick Just, of 5, Newmans-court, Cornhill, in the city of London, and John Downton, of 71, West India Dock-road, Limehouse, in the county of Middlesex, for the invention of "improvements in water closets."

4477. To William Thomas Walker, of Highgate, in the county of Middlesex, for the invention of "improvements in gas scrubbers, and in apparatus connected therewith."

4479. And to Hermann Hirsch, of Craven-street, Charing Cross, in the city of Westminster, for the invention of "improvements in screw propellers."

On their several petitions, recorded in the Office of the Commissioners on the 23rd day of December, 1875.

4485. To John Leber, of Goswell-road, in the county of Middlesex, for the invention of "improvements in apparatus for binding the edges of hat and bonnet shapes or foundations, and other articles."

4487. To Thomas Everitt Richardson, of Edinburgh, in the county of Mid-Lothian, North Britain, for the invention of "improvements in roller skates."

4489. To Richard Pritt, of Preston, in the county of Lancaster, Corn Miller, for the invention of "improved apparatus for separating flour from middlings or sharps, separating and cleansing wheat or other grain."

4491. To Joseph Philippe Toussaint Bordone, of Boulevard de Strasbourg, No. 23, at Paris, Manufacturer, for the invention of "improvements in steam boilers with internal tubular fire-box."

4493. To James Willis, of Stratten Villa, Malvern Wells, in the county of Worcester, for the invention of "improvements in umbrellas and sunshades."

4495. To William White, of No. 30, Thurlow-road, Hampstead, in the county of Middlesex, for the invention of "improvements in the treatment of the sulphides of lead, zinc, and antimony, and in the separation of silver and copper from the lead."

4497. To John Roberts Boulcott, of Alcester, in the county of Warwick, Gentleman, for the invention of "improvements in diving apparatus useful also for other purposes."

4499. To Arnold Souheur, of Seraing, Belgium, Engineer, for the invention of "improvements in the wheels of vehicles, and in the mode or means of connecting the same to their axles."

4501. To Frederick Lipscombe, of the Strand, in the county of Middlesex, Water Filter Manufacturer, for the invention of "improvements in apparatus for the admission of air to steam boiler furnaces."

4503. To Thomas Morgan, of 21, Cockspur-street, Charing-cross, in the county of Middlesex, Secretary of the Inventors' Patent Right Association Limited, for the invention of "improved safety apparatus for steam boilers."—A communication to him from abroad by Maximilian Moskovits, Engineer, of Halle, Germany.

4505. And to Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improved alimentary preparations for feeding cattle and other live stock."—A communication to him from abroad by the firm of G. Barthe and Company, of Paris, France.

On their several petitions, recorded in the Office of the Commissioners, on the 24th day of December, 1875.

4507. To Duncan Ross, of Hilton Farm, in the county of Inverness, North Britain, for the invention of "a new or improved turnip topping and tailing machine."

On his petition, recorded in the Office of the Commissioners on the 27th day of December, 1875.

#### 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 1st day of January, 1876.

3920. Edward Thomas Hughes, of the firm of Hughes and Son, Patent Agents, 123, Chancery-lane, London, for an invention of "improvements in machines for scouring and polishing needles."—From abroad by the Mallett Manufacturing Company of New Haven, United States of America.—Dated 26th December, 1872.

3921. Robert Brydon and James Shepherd Davidson, both of Whitehaven, in the county of Cumberland, and Thomas Alfred Warrington, of Lewisham, in the county of Kent, for an invention of "improvements in machinery or apparatus for drilling, boring, or cutting rock and other hard substances."—Dated 26th December, 1872.

3922. Henry Taylor, Manager, Henry Warburton, Carder, Thomas Taylor, Mechanic, and William Wadsworth, Machinist, all of Bolton, in the county of Lancaster, for an invention of "improvements in or applicable to machines for combing cotton and other fibrous materials."—Dated 27th December, 1872.

3927. William Lattimer, of Holme Head, near Carlisle, in the county of Cumberland, Manufacturer, for an invention of "improvements in and apparatus for extinguishing fire."—Dated 27th December, 1872.

3928. George James Cross, of Greenwich, in the county of Kent, Engineer, for an invention of "improvements in wheels for tramways, railways, contractors' and other carriages, waggons, or other vehicles."—Dated 27th December, 1872.

3929. Samuel Osborn, of the Clyde Steel and Iron Works, Sheffield, in the county of York, for an invention of "improvements in prickers to be used in blasting or mining."—Dated 27th December, 1872.

3931. William Hutchinson, of Bolton, in the county of Lancaster, for an invention of "improvements in the construction of washing machines."—Dated 27th December, 1872.

3932. James Quin, of Leyland, in the county of Lancaster, for an invention of "improvements in the manufacture of belting for driving machinery."—Dated 27th December, 1872.