

700. And to William Boaler, of Manchester, in the county of Lancaster, Merchant, for the invention of "improvements in the preparation of coloring matters for dyeing and printing."—A communication to him from abroad by Robert Hodgson Gratrix, of New York, in the United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 14th day of March, 1863.

704. To William Vernon, of the town and county of the town of Nottingham, Lace Manufacturer, for the invention of "a new or improved means or apparatus for communicating signals or intelligence to or from railway trains or other similar conveyances, whether they be stationary or in motion."

706. And to Thomas Powell, of 30, Princes-terrace, Regent's-park, London, in the county of Middlesex, for the invention of "an improved chopping-block for butchers."

On both their petitions recorded in the Office of the Commissioners on the 16th day of March, 1863.

712. To William Henry Atkinson, of the Cavendish Club, Regent-street, in the county of Middlesex, Gentleman, for the invention of "improvements in studs or fastenings adapted to holding together parts of shirt fronts, wristbands, collars, gloves, and other articles of wearing apparel."

718. And to Thomas Nottage Miller, of Bishop Stortford, in the county of Herts, for the invention of "improvements in heating horticultural buildings."

On both their petitions, recorded in the Office of the Commissioners on the 17th day of March, 1863.

724. To Francis Richmond, Henry Chandler, and James Gadsby Richmond, all of Salford, in the county of Lancaster, Agricultural Implement Makers, for the invention of "improvements in machinery for washing potatoes and other vegetables."

726. To Henry Kilshaw, of Haslingden, in the county of Lancaster, Cotton Spinner, for the invention of "certain improvements in looms for weaving."

730. And to Frederick Norrington, of Tavistock, Devon, for the invention of "improvements in girths or bands and knee caps for horses."

On their several petitions, recorded in the Office of the Commissioners on the 18th day of March, 1863.

736. To Henry Wilde, of the city of Manchester, Engineer, for the invention of "improvements in the construction of steam boilers."

738. To John Saunders and Joseph Piper, of Cookley Iron Works, Kidderminster, for the invention of "improvements in apparatus employed in the manufacture of tin and terne plates."

740. And to Charles Webster, of New Radford, in the county of Nottingham, Locksmith, and William Forgie, of Nottingham, in the county of Nottingham, Lace Cap Manufacturer, for the invention of "improvements in apparatus for the purpose of clearing out the interior of foul chimnies or flues when on fire or otherwise."

On their several petitions, recorded in the Office of the Commissioners on the 19th day of March, 1863.

# 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 21st day of March, 1863.

685. Thomas Wilson, of Birmingham, in the county of Warwick, Engineer, for an invention of "improvements in breech-loading fire-arms."—Dated 15th March, 1860.

687. Michael Henry, of 84, Fleet-street, in the city of London, Patent Agent, for an invention of "improvements in twisting fibrous materials and in apparatus employed therein."—A communication to him from abroad by François Durand, and Henry Auguste Pradel, of Paris, France.—Dated 15th March, 1860.

689. John Shields, of the city and county of Perth, North Britain, Power Loom Manufacturer, and Alexander Shields, of Cromwell-park, in the same county, Manufacturer, for an invention of "improvements in Jacquard looms or machinery for weaving."—Dated 15th March, 1860.

691. To Marc Antoine François Mennons, of the British and Foreign Patent Offices, 39, Rue de l'Echiquier, Paris, in the empire of France, for an invention of "an improved arrangement of apparatus for working and controlling railway signal discs."—A communication to him from Henri Petitpierre, Mechanical Engineer, residing in Paris.—Dated 15th March, 1860.

695. George White, of 34, Dowgate-hill, Cannon-street, in the city of London, for an invention of "applying as a substitute for the animal albumen hitherto obtained from birds eggs, or blood, certain parts of reptiles, fish, mollusca, and articulated or radiated animals."—A communication to him from abroad by Johann Georg Leuchs, of Nurnberg, Bavaria.—Dated 16th March, 1860.

696. Robert Burges Sayer, of Newport, in the county of Monmouth, Monmouthshire, Civil Engineer, for an invention of "improvements in parts of the permanent way of railways."—Dated 16th March, 1860.

705. John Reynolds, junior, 57, New Compton-street, Soho, in the county of Middlesex, for an invention of "improvements in the manufacture of wire or metal netting and in machinery employed therein."—Dated 16th day of March, 1860.

706. William Newton Wilson, of 144, High Holborn, in the county of Middlesex, Sewing Machine Manufacturer, for an invention of "improvements in floor sweepers."—Dated 17th March, 1860.

709. Richard Briggs, of Birmingham, in the county of Warwick, Manufacturer, for an invention of "a new or improved washing machine."—Dated 17th March, 1860.

710. Peter Brotherhood, of Chippenham, in the county of Wilts, Railway Engineer, for an invention of "an improved method of generating steam in locomotive, stationary, marine, or any other form of steam boiler."—Dated 17th March, 1860.

711. William Clark, of 53, Chancery-lane, in the county of Middlesex, Engineer and Patent Agent, for an invention of "improvements in the application of paper to filtering fluids."—A communication to him from abroad by Messrs. Gustave Devillepoix, Chemist, and Joseph François Bonneterre, Civil Engineer,