

3621. To Henri Adrien Bonneville, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester-terrace, Bayswater, in the county of Middlesex, Patent Agent, for the invention of "improvements in machinery for carding and spinning wool and other fibrous materials."—A communication from Célestin Martin, a person resident at Pépinster, Verviers, in the Kingdom of Belgium.

3623. And to Edward Field, of Chandos-chambers, Adelphi, in the city of Westminster, Consulting Engineer, and Frederic Pelham Warren, of Norwood, in the county of Surrey, Commander in the Royal Navy, for the invention of "an improved cowl for chimney tops."

On both their petitions, recorded in the Office of the Commissioners on the 20th day of December, 1867.

3627. To James Kenyon, of Blackburn, in the county of Lancaster, Cotton Manufacturer, for the invention of "improvements in apparatus for boiling size."

3629. To Charles de Bergue, of 10, Strand, in the city of Westminster, Engineer, and William Dredge, of Buckingham-street, Strand, in the said city, Civil Engineer, for the invention of "improvements in the construction of, and mode or modes of, connecting and working railway carriages or trains."

3630. To William Walker, of Rochdale, in the county of Lancaster, and Edward Holt, of Newton Heath, in the same county, for the invention of "improvements in direct acting double-action steam pumps."

3633. To James Davidson, of Woolwich, in the county of Kent, for the invention of "improved machinery for manufacturing central fire cartridges."

3637. To James Davison, of Bishopswearmouth, in the county of Durham, for the invention of "improvements applicable to the rigging, chains, windlasses, anchors, and other parts of ships or vessels, or to collieries, railways, rolling stock, or other purposes to prevent sudden blows, jerks, or strains."

3639. And to 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 the invention of "improvements in the manufacture of pomade for the human hair."—A communication to him from abroad by Aimé Désiré Lavandier, of Paris, in the Empire of France.

On their several petitions, recorded in the Office of the Commissioners on the 21st day of December, 1867.

3641. To William Dixon, of 30, Maple-street, Newcastle-on-Tyne, Engineer and William Brown, of 8, Gray-street, Newcastle-on-Tyne, Engineer, for the invention of "an elastic coupling for the prevention of sudden or undue strains upon ropes or chains when used in towing, hauling, or lifting."

3643. To William Walton Urquhart and Joseph Lindsay, of Dundee, in the county of Forfar, North Britain, Engineers, for the invention of "improvements in machinery for softening jute, hemp, and similar fibrous materials."

3647. To Charles John Adams, of Stockton-on-Tees, in the county of Durham, Architect, for the invention of "a self acting fire alarm and extinguisher."

3649. To Jonas Dawkins, of Pembroke, in the county of Pembroke, Tanner and Currier, for

the invention of "improvements in tanning, and in the apparatus to be employed therein."

3651. And to Matthew James Rice, of the firm of Matthew James Rice and Company, Engineers, of Sherlock-street, Birmingham, in the county of Warwick, for the invention of "improvements in machinery for cutting and heading nails."

On their several petitions, recorded in the Office of the Commissioners on the 23rd day of December, 1867.

3652. To Frederick Augustus Abel, of the Royal Arsenal, Woolwich, in the county of Kent, for the invention of "improvements in the production of explosive compounds."

3653. To Saul Myers, of St. George's-road, Kilburn, in the county of Middlesex, Gentleman, for the invention of "improvements in apparatus for roasting coffee."—A communication to him from abroad by Charles Gustavus Mueller, of Hanover, in the Kingdom of Prussia.

3654. To William Burley and William Henry Glasson, both of Landport, in the county of Southampton, for the invention of "improvements in the construction and arrangement of plummer-blocks and bearings for propeller shafts and other analogous purposes."

3655. To Paul François Tranchat, Engineer, of 13, Rue Gaillon, Paris, in the Empire of France, for the invention of "an universal machine for manufacturing circular cutters and milling tools of any form or outline with either a rectangular or helicoidal direction of cut."

3657. To Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, for the invention of "an improved coloring matter chiefly applicable for dyeing and printing purposes."—A communication to him from abroad by Jean Théodore Coupier, Chemist, of 29, Boulevard St. Martin, Paris.

3659. To George Layton, of Liverpool, in the county of Lancaster, Gentleman, for the invention of "an improvement in the manufacture of soap."

3660. To Frederick Render, of Manchester, in the county of Lancaster, Corn Merchant, for the invention of "improvements applicable to traps for pigeon and other shooting."

3661. To Thomas Harbison, of New York, in the United States of America, but now residing at Manchester, in the county of Lancaster, England, for the invention of "improvements in rails for railways."

3662. To William Edward Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Civil Engineer, for the invention of "an improved alcoholmeter or instrument for ascertaining the alcoholic strength of liquids."—A communication to him from abroad by Basile Rakowitsch, of the Imperial Russian Navy, St. Petersburg, Russia.

3663. To James Addie, of the Langloan Iron Works, Coatbridge, in the county of Lanark, Ironmaster, and Ferdinand Kohn, of Westminster, in the county of Middlesex, Civil Engineer, for the invention of "improvements relating to blast and cupola furnaces."

3664. To George Edward Allshorn, late of 140, Princes-street, Edinburgh, and now of 7, Ludgate Hill, in the city of London, M.D., M.R.C.S., for the invention of "improvements in the manufacture of artificial fuel."

3665. To Samuel Lennard, of Newark-street, Leicester, and Frederick Lennard, of Belgrave-gate, Leicester, for the invention of "improvements in the manufacture of warp fabrics."