

2945. To Robert Dawbarn, of Wisbech, in the county of Cambridge, Merchant, for the invention of "an apparatus for stopping rents or holes in fire-engine hose and other elastic tubes or pipes."—A communication to him from abroad by John S. Mackay, of Brooklyn, New York, in the United States of America.

2952. To James Ronald, of Liverpool, in the county of Lancaster, Merchant, for the invention of "improvements in machinery for the spinning of hemp, flax, manilla, or wool, or other like fibrous material."

2954. And to Thomas Shedden, of Ardgartanhouse, in the county of Argyle, North Britain, gentleman, for the invention of "improvements in ammunition for fire arms, and in packing the same for transport, and in the apparatus employed therein."

On their several petitions, recorded in the Office of the Commissioners on the 1st day of December, 1860.

2960. To William Galloway and John Galloway, both of Manchester, in the county of Lancaster, for the invention of "improvements in steam boilers."

2952. To William Robert Barker, of Chapel-street, Belgrave-square, in the county of Middlesex, for the invention of "improvements in bottles for medicines and poisons."

2964. To John Lowden, in the township of Royton, in the county of Lancaster, Carder, and Robert Buckley, in the township of Royton, in the county of Lancaster, Manager, for the invention of "certain improvements in carding engines."

2966. To Joseph Threlfall Carter, of Sydenham, in the county of Kent, Engineer, and John Austen, also of Sydenham, Jobmaster, for the invention of "an improved method of roughing horse shoes."

2968. And to Thomas Whitehead, of Holbeck, in the parish of Leeds, in the county of York, a partner in the firm of Taylor, Wordsworth, and Company, Machine and Tool Makers, for the invention of "improved machinery for combing wool, hair, flax, tow, cotton, silk, and other fibrous substances."

On their several petitions, recorded in the Office of the Commissioners on the 3rd day of December, 1860.

2974. To Frank Jaques, of Droylsden, near Manchester, in the county of Lancaster, Captain, Commanding the Seventieth Rifle Volunteers, for the invention of "improvements in, or improved apparatus applicable to, rifled or other muskets, and to other fire arms."

2976. To Robert Griffiths, of 69, Mornington-road, Hampstead-road, in the county of Middlesex, for the invention of "improvements in screw propeller blades."

2978. To John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, and of 166, Buchanan-street, in the city of Glasgow, North Britain, Gentleman, for the invention of "improvements in the construction of clothes dryers or folding racks for airing and drying clothes."—A communication to him from abroad by John Ward, junior, of Brooklyn, New York, United States of America, Gentleman.

2980. And to Charles Stewart Duncan, of Hereford-road North, Bayswater, in the county of Middlesex, for the invention of "improvements

in the construction of electric telegraph cables or ropes."

On their several petitions, recorded in the Office of the Commissioners on the 4th day of December, 1860.

2984. To George Hallett, of 52, Broadwall, Lambeth, in the county of Surry, Antimony Refiner, for the invention of "improvements in coating iron and other ships bottoms, and other surfaces."

2986. And to Benjamin Gorrill, Tool Maker, of Birmingham, in the county of Warwick, for the invention of "certain improvements in the making of gilding tools, for gilding or embossing ornaments on leather or other surfaces."

On both their petitions, recorded in the Office of the Commissioners on the 5th day of December, 1860.

2989. To Henry Jordan, of Liverpool, in the county of Lancaster, Ship Builder, for the invention of "improvements in the construction of ships or other vessels."

2990. To Joseph Francis Pratt, of Oxford-street, in the county of Middlesex, Surgical Instrument Maker, for the invention of "improvements in instruments for receiving and transmitting sound, particularly adapted to the relief of deafness."

2991. To Richard Atwood Glass, of the firm of Glass, Elliot, and Company, of Greenwich, in the county of Kent, Submarine Telegraph Cable Manufacturers, for the invention of "a method of and apparatus for preserving electric telegraph cables and wires, prior to their being laid."

2992. To Martin Deavin, of Rotherhithe, in the county of Surrey, Builder, for the invention of "an improved apparatus applicable as a fire escape, also to the raising and lowering of weights."

2993. To Thomas Mellodew, of Oldham, in the county of Lancaster, Manufacturer, Charles William Kesselmeier, of Manchester, in the said county, Warehouseman, and John Mayo Worrall, of Salford, in the said county, Dyer, for the invention of "improvements in the treatment of velvets, velveteens, and other fabrics on which there are floated west threads to be cut."

2994. And to Joseph Bellamy, of Wednesfield, near Wolverhampton, in the county of Stafford, Manufacturer, for the invention of "improvements in traps for taking rats, birds, rabbits, and other animals."

On their several petitions, recorded in the Office of the Commissioners on the 6th day of December, 1860.

2995. To Jonathan Musgrave, of Bolton-le-Moors, in the county of Lancaster, Engineer, for the invention of "improvements in apparatus for regulating the discharge of water from steam pipes."

2996. To John Coope Haddan, of No. 14, Bessborough-gardens, Pimlico, in the county of Middlesex, Engineer, for the invention of "improvements in the manufacture of cannon, and of projectiles, part of which improvements is applicable to casting metal."

2997. To Pierre Guerin, Engineer, of Cluny, in the Department of Saone-et-Loire, Empire of France, for the invention of "improvements in the hydraulic press."

2999. To Frederic Howorth Edwards, of the town and county of Newcastle-upon-Tyne, Civil Engineer, for the invention of "improvements in air engines."