

closets."—A communication to him from abroad by Jacques Germain, of Bordeaux, France.

2919. To Daniel Fryer, of Carlton-square, Old Kent-road, in the county of Surrey, and Joseph William Meears, of Annett's-crescent, Islington, in the county of Middlesex, for the invention of "improvements in casks, tanks, or other receptacles for containing petroleum and other oils or spirits."

2921. To John Unsworth, of Rochdale-road, Manchester, in the county of Lancaster, Engineer, for the invention of "improvements in steam engines."

2923. To Henry Paul Fryer Newham, of Saint Mary's-gate, in the town and county of the town of Nottingham, Lace Manufacturer, for the invention of "improvements in the manufacture or production of reversible shawls."

2924. And to John Fletcher, senior, of Leeds, and John Fletcher, junior, of Newcastle-on-Tyne, for the invention of "improvements in forming wrought iron wheels, and in the tools and apparatus for making the same."

On their several petitions, recorded in the Office of the Commissioners on the 29th day of October, 1862.

2925. To John Lockwood, of Batley, in the county of York, Rag Merchant, for the invention of "improvements in boilers."

2927. To Francis Gregory, of the city of Manchester, in the county of Lancaster, Agricultural Machinist, for the invention of "improvements in presses for pressing seeds, fruits, hops, and other substances."

2929. To John Eaton, of King's Norton, in the county of Worcester, Chandelier Maker, for the invention of "an improvement or improvements in the manufacture of certain kinds of gas burners for illuminating purposes."

2931. To Paul Giffard, of Paris, 66, Boulevard des Batignoles, Civil Engineer, for the invention of "improvements in air-guns and other air-arms."

2933. And to James Birch, of New Norfolk-street, in the county of Middlesex, Bricklayer, for the invention of "improved apparatus for unstopping or clearing from obstructions, drains, waterclosets, stack, water, and other pipes."

On their several petitions, recorded in the Office of the Commissioners on the 30th day of October, 1862.

2937. To William Renwick Bowditch, Clerk, of Saint Andrew's, Wakefield, in the county of York, for the invention of "improvements in carburetting or naphthalizing gas, and in the apparatus employed therein."

2938. To Henry Lee Corlett, of Inchicore, in the county of Dublin, Associate of the Institution of Civil Engineers, for the invention of "improvements in the construction of tuyeres."

2939. To George Dickinson, of Smethwick, in the county of Stafford, Manufacturer, and Edward Cooke, of Smethwick aforesaid, Manager of Works, for the invention of "improvements in the construction and ornamentation of metallic bedsteads, couches, and children's cots."

2941. To Alfred Andrews, of Birmingham, in the county of Warwick, Mechanic, for the invention of "an improved tool for cutting and rasping pegs in boots and shoes."

2943. To George Hargrave Morgan, of Hereford, for the invention of "improved mechanical arrangements for raising and lowering bodies."

2945. To Marie Celeste de Castenas Sinibaldi, of No. 1, South-villas, South-street, Greenwich, in

the county of Kent, for the invention of "improvements in the manufacture of armour plates for ships, fortifications, and forts, and in the manufacture of plates to be used in the construction and building of ships, and for attaching copper or other like protective metal to the outside of metal plates, for making copper bottoms, or bottoms with a similar protection to iron ships, and for other purposes."

2949. To William Edward Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Civil Engineer, for the invention of "improvements applicable to the carriages and beds of guns, mortars, and other ordnance."—A communication to him from abroad by William Judson, of New York City, United States of America.

2951. To James Garth Marshall, of Leeds, in the county of York, Flax Spinner, for the invention of "improvements in the treatment of the straw of flax, hemp, and other similar vegetable substances, preparatory to spinning the fibre thereof."

2953. And to James John Anderton, of St. James-street, Northampton, in the county of Northampton, Currier, for the invention of "a new or improved mode and means for the production of leather from waste leather scraps, and also for producing from such waste leather scraps in combination with india rubber, gutta percha, or other like substance, a new material to be used as leather, and for other purposes."

On their several petitions, recorded in the Office of the Commissioners on the 31st day of October, 1862.

2955. To Joseph Walter Taylor, of Newsome, near Huddersfield, in the county of York, Manufacturer, for the invention of "improvements in scouring or cleansing woollen, worsted, and cotton fabrics, and other fibrous materials, and in the means or apparatus employed therein."

2961. And to James Winter the younger, of Wardour-street, Soho, in the county of Middlesex, for the invention of "an improved safety tap or cock applicable to gas burners, gas pipes and vessels containing gas; also water pipes, steam pipes, and vessels containing inflammable and other liquids, compressed air, and spirituous liquors."

On both their petitions, recorded in the Office of the Commissioners on the 1st day of November, 1862.

2963. To James Musgrave, of the Globe Iron Works, Bolton-le-Moors, in the county of Lancaster, for the invention of "improvements in the valves of steam hammers, and steam, hydraulic, and gas engines."

2965. To Louis Gonez, of No. 15, Passage des Petites Ecuries, Paris, France, Merchant Tailor, for the invention of "a seat or chair, forming also a travelling bag for the use of travellers by rail or other way."

2966. To Frederick Trachsel, Chemical Engineer, and Thomas Clayton, Machinist, both of the city of Manchester, in the county of Lancaster, for the invention of "improvements in machinery or apparatus for obtaining light, heat, and ventilation, parts of which improvements are also applicable to other purposes."

2967. To George Hollins, of the city of Manchester, in the county of Lancaster, Currier and Strap Manufacturer, for the invention of "improvements in the manufacture of straps or belts for machinery."