

2682. And to William Mac Naught, of Manchester, in the county of Lancaster, Engineer, and John Leigh Taylor, of Bolton, in the same county, Cotton Spinner, for the invention of "an improved method of increasing the temperature of water for feeding steam boilers or vessels for generating steam, and in apparatus connected therewith."

On their several petitions, recorded in the Office of the Commissioners on the 26th day of November, 1859.

2683. To James Eastwood, of the Railway Iron Works, Litchurch, in the county of Derby, Engineer, for the invention of "improvements in steam hammers, and in valves to be used therewith."

2684. To James Eastwood, of the Railway Iron Works, Litchurch, in the county of Derby, Engineer, for the invention of "improvements in lathes."

2685. To Enoch Tomey, of the city and county of Perth, North Britain, Glass Manufacturer, for the invention of "improvements in apparatus for insulating telegraphic wires or conductors."

2686. To Alexander William Williamson, of University College, and Loftus Perkins, of Francis-street, Gray's-inn-road, Civil Engineer, for the invention of "improvements in machinery for propelling vessels."

2687. To Thomas Luck, of Spalding, in the county of Lincoln, for the invention of "improvements in apparatus for removing straw from thrashing machines."

2688. To Paul Rapsey Hodge, of No. 16, Chalcot-crescent, Primrose-hill, in the county of Middlesex, Civil Engineer, for the invention of "the treatment and use of a new material in making of paper or other compounds of vegetable pulp."

2689. To Edward Hammond Bental, of Heybridge, near Maldon, in the county of Essex, Agricultural Implement Maker, for the invention of "improvements in machinery for cutting vegetable substances."

2690. To Edward Hammond Bental, of Heybridge, near Maldon, in the county of Essex, Agricultural Implement Maker, for the invention of "improvements in apparatus for crushing or grinding grain or seeds."

2691. To Joseph Bower, of Hunslet, in the county of York, Chemist, for the invention of "an improved method of preparing clay for the manufacture of crucibles, pots and earthen ware."

2692. To Charles Sells, of Stockwell, in the county of Surrey, Engineer, for the invention of "improvements in steam engines."

2693. To Richard Archibald Brooman, of 166, Fleet-street, in the city of London, E.C., Patent Agent, for the invention of "an improved poultry wagon."—A communication from abroad by Parfait Giot, of Paris.

2694. And to Richard Archibald Brooman, of 166, Fleet-street, in the city of London, E.C., Patent Agent, for the invention of "improvements in the preparation of red coloring matters or dyes."—A communication from abroad by Messrs. Renard Frères, of Lyons.

On their several petitions, recorded in the Office of the Commissioners on the 28th day of November, 1859.

2695. To Francis Herbert Wenham, of Brixton, in the county of Surrey, Engineer, for the invention of "certain improvements in steam engines."

2696. To Henry Sharpe, of No. 26, Broad-street-buildings, in the city of London, Merchant, for the invention of "improvement in the mode of preparing wool for the purpose of carding or combing it with a view to it's being afterwards wove into thread."—A communication from abroad by Hyppolite Dubeux, residing at Lisbon, in Portugal, Merchant.

2697. To James King, of Rochdale, in the county of Lancaster, Cotton Spinner, and John Sutcliffe, of the same place, Overlooker, for the invention of "certain improvements in and applicable to mules for spinning."

2698. To Henry Oliver Robinson, of 16, Park-street, in the city of Westminster, Civil and Mechanical Engineer, for the invention of "improvements in machinery and apparatus for the manufacture of sugar."

2699. To John Barker Berger, of Upper John-street, Fitzroy-square, in the county of Middlesex, Master Mariner, for the invention of "an improved mode of and apparatus for facilitating the calculations required for navigating ships or vessels."

2700. To Leon Numa Dejean, of Paris, in the French Empire, Civil Engineer, for the invention of "improvements in hydraulic motive-power."

2701. To Charles Colwell, of Belvidere-place, Southwark, London, Gentleman, for the invention of "an improved means of propelling sea going vessels without the use of either paddle wheel or screw propeller now adopted."

2702. To Thomas Richardson, of Newcastle-on-Tyne, for the invention of "improvements in the manufacture of certain compounds of soda and potash."

2703. And to Manuel Leopold Jonas Lavater, of the Strand, India Rubber Manufacturer, for the invention of "improvements in vulcanized india rubber bands."

On their several petitions, recorded in the Office of the Commissioners, on the 29th day of November, 1859.

2705. To Thomas Fitton, of the city of Manchester, in the county of Lancaster, Engineer, for the invention of "improvements in the slide valves of steam engines."

2707. To Samuel Mortimer, of Bradford, in the county of York, Machine Maker, and George Swaine, of the same place, Overlooker, for the invention of "improvements in machinery or apparatus for spinning and doubling wool or other fibrous substances."

2709. To Joseph Michael Wilson, of the city of Manchester, in the county of Lancaster, Manufacturer, for the invention of "improvements in finishing woven fabrics called Arabian stripes or scarfs."

2711. To Jean Baptiste Teil, of Bordeaux, France, Umbrella Maker, for the invention of "improvements in the construction of umbrellas and parasols."

2713. And to George Jordan Firmin, of the Atlas Chemical Works, Borough-road, Southwark, in the county of Surrey, for the invention of "improvements in the manufacture of tartaric and citric acids, and certain salts in connection therewith."

On their several petitions, recorded in the Office of the Commissioners on the 30th day of November, 1859.