

abroad by Jean Baptiste Germain Clergeau, of 33, Boulevard Saint Martin, Paris, France. On their several petitions, recorded in the Office of the Commissioners on the 27th day of June, 1861.

1649. To James Gibson, of Todmorden, in the county of York, Tailor, for the invention of "certain improvements in, or applicable to, sewing machines."

1650. To Thomas Swinnerton, of Dudley Port, Tipton, in the county of Stafford, Blast Furnace Manager, for the invention of "a new or improved manufacture of coal gas by the surplus or waste heat of the blast ovens and puddling furnaces used in the manufacture of iron."

1651. To Alfred Ford, Surgeon, of Suthrey House, Mortlake, Surrey, for the invention of "improvements in the manufacture of water-proof felt."

1652. To John Whitfield Harland, of Chorlton-on-Medlock, near the city of Manchester, Artist and Engraver on Wood, for the invention of "an improvement or improvements in the manufacture of wood and other types, or substitutes therefor, and also in the matrix or apparatus for producing the same."

1653. To Joshua William Graham, of Manchester, in the county of Lancaster, Stone Mason, for the invention of "certain improvements in machinery or apparatus for cutting, shaping, and dressing stone, or other similar substances."

1654. To Henry James Rouse, of Alexandria, Egypt, Civil Engineer, for the invention of "an improvement in hand lamps."

1657. To Michael Lane, of Reading, Civil Engineer, for the invention of "improvements in the permanent ways of railways."

1658. And to Charles Glassborow, of Rheidol-terrace, Islington, in the county of Middlesex, Pianoforte Manufacturer, for the invention of "improvements in pianofortes."

On their several petitions, recorded in the Office, of the Commissioners on the 28th day of June, 1861.

1660. To Robert Nelson Eagle, Captain in the Cavalry of the United States of America, for the invention of "improvements in riding stirrups."

1661. To John Dyer, of the firm of Dyer and Watts, of Islington, in the county of Middlesex, for the invention of "improvements in the ornamentation of certain cabinet furniture."

1662. To Alfred Wood, of Lewes, in the county of Sussex, for the invention of "improvements in the construction of fermenting tuns, and apparatus for storing beer."

1663. To William Leopard, of Hurstpierpoint, in the county of Sussex, Corn Merchant, for the invention of "improvements in railway brake apparatus."

1667. To Isaac Bragg, of Hensingham, Whitehaven, in the county of Cumberland, Agricultural Implement Maker, for the invention of "an improvement in the construction of reaping and mowing machines."

1668. To Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for the invention of "improvements in lapping used in machines for printing textile fabrics, part of which improvements is applicable to driving bands."—A communication to him from abroad by Seth Baker, of Providence, Rhode Island, United States of America.

1669. And to William Livesey, of 3, Park Cottages, Park Village East, in the county of Middlesex, for the invention of "improvements in wet gas meters."

On their several petitions, recorded in the Office of the Commissioners on the 29th day of June, 1861.

1670. To William Dingwall, of Dundee, in the county of Forfar, North Britain, Joiner, for the invention of "improvements in fluid meters."

1674. And to Lewis Henry Spence, of Hatton-garden, in the county of Middlesex, Merchant, for the invention of "improvements in means or apparatus for the manufacture of paper bags or envelopes."—A communication to him from abroad by Augustus Wolle, of Bethlehem, in the State of Pennsylvania, in the United States of America.

On both their petitions, recorded in the Office of the Commissioners on the 1st day of July, 1861.

1675. To William Barber, of Stockport, for the invention of "improvements in the manufacture of hats."

1676. To Sophia Helbronner-Gerstle, of Paris, France, for the invention of "improvements in the manufacture of needle or tapestry work and coloured embroiderings."

1677. To Jacques Philippe Eugène Paignon, Joseph Marie Vaudaux, and Gaspard Gagnière, all of Paris, France, Gentlemen, for the invention of "improvements in jacquard machines, with the object of allowing the substitution of endless paper in lieu of the pasteboard pattern cards hitherto used therein, and in machines for perforating the said paper."

1678. To James Potts, of Flint-street, Old Kent-road, in the county of Surrey, Engineer, for the invention of "improvements in machinery for sounding fog bells and other bells."

1679. To Joshua Garside Wilson, of Rastrick, near Halifax, in the county of York, Manufacture, for the invention of "improvements in the means or apparatus employed for feeding steam boilers with hot water."

1680. To Abner Hill, of Bamford Mills, in the parish of Hathersage, in the county of Derby, for the invention of "improvements in spinning and doubling machinery."

1681. To Hobert Henry Bishop, of Leicester-street, Leicester-square, in the county of Middlesex, for the invention of "improvements in sewing machines."

1682. To Michael Henry, of 84, Fleet-street, in the city of London, Patent Agent, for the invention of "improvements in or applicable to pianofortes and other musical instruments."—A communication to him from abroad by Jean Jules Cauderès, of 33, Boulevard Saint Martin, Paris, France.

1683. And to Samuel Adams, of West Bromwich, in the county of Stafford, for the invention of "improvements in omnibuses for street railways, part of which is applicable to other carriages."

On their several petitions recorded in the Office of the Commissioners on the 2nd day of July, 1861.

1686. To Joseph Terry, of Birmingham, in the county of Warwick, Brass Founder, for the invention of "an improvement or improvements in the manufacture of window sash pulleys, side pulleys, screw pulleys, and upright pulleys."