622. To Robert Speir, of Greenock, in the county of Renfrew, North Britain, Chemist, and John Mather, of Gateshead-on-Tyne, in the county of Durham, Engineer, for the invention of "improvements in the manufacture or production of gas for illuminating or heating purposes, and for actuating gas engines."

624. To Edward Newton, of 12, Warwick-place, West Drayton, in the county of Middlesex, Gentleman, for the invention of "improve-

ments in frame saws."

628. To Thomas Ryburn Buchanan, of All Souls College, Oxford, in the same county, for the invention of "improved means and apparatus for economizing fuel and generating heat in steam boilers."—A communication to him from abroad by Henry Alexander Studwell, of Brooklyn, State of New York, United States of America.

630. To George Albert Rood, of Bridport, in the county of Dorset, Manufacturer, and Barnard Hallett, of the same place, Cutler, for the invention of "improvements in bicycles."

631. To Edward Wolstencroft, of Blakeley, near Manchester, in the county of Lancaster, Engineer, for the invention of "improvements in

self acting temples for looms."
632. To Samuel Caswell, of Euston-square, in the county of Middlesex, for the invention of "a

self acting railway brake.'

634. To James Henry Smith, of Albion Works, Lansdowne-road, London Fields, in the county of Middlesex, for the invention of "improve-

ments in sewing machines."

636. To George Roberts, of Birmingham, in the county of Warwick, Pianoforte Manufacturer, and Alfred Roberts, of Birmingham aforesaid, Pianoforte Manufacturer, for the invention of "improvements in cottage and other upright pianofortes."

638. And to Horatio Walter Ibbotson, of Sheffield, in the county of York, Gentleman, for the invention of "improvements in grate bars for furnaces or fireplaces." — A communication to him from abroad by Thomas Holt, of Trieste, Austria.

On their several petitions, recorded in the Office of the Commissioners on the 20th day of February, 1875.

640. To Samuel Worrall, of Dundee, in the county of Forfar, North Britain, for the invention of "a new or improved machine for drawing card pins."

642. To William Cox, of Lochee, in the county of Forfar, North Britain, for the invention of

"improvements in compressing yarn."

644. To John Thomas, of Penclawdd, in the county of Glamorgan, Tin Plate Manufacturer, and Thomas Terrell, of Penarth, in the said county, Gentleman, for the invention of "improvements in the manufacture of tin and terne plates"

646. To John O'Connell Cave, of Weston-super-Mare, in the county of Somerset, for the invention of "improvements in the construction of torpedoes, and in the means and method of

towing and guiding the same."

- 648. To Moses Bottomley Wyrill, of the firm of Moses Bottomley and Sons, of Shelf Mills, near Halifax, in the county of York, Spinners and Manusacturers, for the invention of "improvements in machinery for preparing and combing wool or other fibrous substances."
- 650. To James Fairbrother, of Sheffield, in the county of York, for the invention of "improvements in machinery for drawing or turning up and straightening paragon wire."

652. And to Percy Oldfield Francis, of Nine Elms Wharf, Bridge Foot, Vauxhall, in the county of Surrey, for the invention of "improved means of preserving raw or cooked meat, and other raw, or fresh, or prepared provisisions."

On their several petitions recorded in the Office of the Commissoners on the 22nd day of February, 1875.

654. To William Morgan-Brown, of the firm of Brandon and Morgan-Brown, Engineers and Patent Agents, of 38, Southampton-buildings, London, and 13, Rue Gaillon, Paris, for the invention of "improvements in the treatment of peat, and in the machinery for that purpose."—A communication to him from abroad by Felix

Réné Verdier, of 13, Rue Gaillon, Paris, France, Engineer.

656. To William Alexander Lyttle, of the Grove, Hammersmith, in the county of Middlesex, Civil Engineer, for the invention of "improvements in the manufacture of toilet soap."

658. To Edmund Peel Potter, of Little Lever, near Bolton, in the county of Lancaster, for the invention of "improvements in the construction of apparatus used for the concentration of sulphuric and other acids, and for other similar purposes."

660. To George Bates, of Lewes, in the county of Sussex, Ironmonger, for the invention of "improvements in apparatus for attaching main cocks, valves, plugs, or other connections to service pipes for water when under pressure."

662. To William Robert Sykes, of Nunhead, in the county of Surrey, Telegraph Engineer, for the invention of "improvements in signalling or working signals on railways, and in the means or apparatus employed therein."

664. To William Garfield, of Birmingham, in the county of Warwick, Manufacturer, for the invention of "improvements in the manufacture of metallic handles for tea and coffee pots, jugs,

and other vessels and articles."

666. To James Atkins, of the firm of Robert Walter Winfield and Company, of Birmingham, in the county of Warwick, Merchants and Manufacturers, for the invention of "improvements in the construction and ornamentation of metallic bedsteads and cots."

668. To Mathias Neuhaus, of Surrey-chambers, Strand, in the county of Middlesex, Civil Engineer, for the invention of "improved means and appliances for the production of lighting and heating gas from air and spirituous vapour combined."

669. To John Pinchbeck, of No. 19, Salisburystreet, Strand, London, and 3, York-buildings, Dale-street, Liverpool, Civil Engineer, for the invention of "improvements in fire-lighters."

670. And to William Myles, of Toronto, in the Dominion of Canada, at present residing at Mullin's Hotel, Cheapside, in the city of London, for the invention of "improvements in nuts and washers."—The result partly of communication from abroad made to him by Charles Levey, of Toronto aforesaid, and partly of invention and discovery made by himself.

On their several petitions recorded in the Office of the Commissioners on the 23rd day of February, 1875.

672. To Charles Mansfield Lloyd, of Morningtoncrescent, in the county of Middlesex, for the invention of "certain improvements in the construction of window frames, and in the hanging of window sashes."