

- of the Commissioners on the 3rd day of November, 1873.
3579. To John Green, of 18, Maryland's-road, Harrow-road, Paddington, for the invention of "improvements in machinery and apparatus for the tilling and intertillage of land by steam power and by manual power."
3580. And Thomas William Dowler, of Birmingham, in the county of Warwick, Manufacturer, and John Smith, of Birmingham aforesaid, Manufacturer, for the invention of "improvements in shirt studs and collar studs, and other studs and solitaires for fastening articles of dress."
3581. To Henry Augustus Biertumpfel, of the firm of Biertumpfel and Son, of 138, Albany-street, Regent's Park, in the county of Middlesex, Candle Machine Builders, Candle Mould Makers and Pewterers, for the invention of "improvements in the manufacture of candles and in machinery or apparatus employed therefor."
3582. To Nicolaus William Schroeter, of Berlin, in the Kingdom of Prussia, for the invention of "improvements in the coupling and buffer apparatus of railway carriages."
3583. To Richard Benjamin Starr, of Finsbury-square, in the county of Middlesex, for the invention of "certain improvements in apparatus to be applied to omnibuses, tramway cars, and other vehicles for the purpose of registering the number of passengers carried and their fares during each journey."
3585. To Edward William Phibbs, of No. 10, Coleman-street, in the city of London, for the invention of "improvements in the treatment of milk in order to its preservation."
3587. To William Dean the elder, of No. 5, Trentham-road, Dresden, in the county of Stafford, for the invention of "improvements in ornamenting or graining wood and other surfaces."
3588. To John Rowley, of Camberwell-road, in the county of Surrey, Manufacturing Chemist, for the invention of "improvements in obtaining colouring matters and other substances from certain waste materials resulting from the manufacture of gas."
3589. To Benjamin Joseph Barnard Mills, of the firm of Harris and Mills, of 35, Southampton-buildings, in the county of Middlesex, Patent Agent, for the invention of "improvements in the manufacture of iron and steel."—A communication to him from abroad by Charles Burgess, of Portsmouth, in the county of Scioto and State of Ohio, United States of America, Iron and Steel Manufacturer.
3590. To Homan Price Fenby, of No. 13, Queen-square, Leeds, in the county of York, Mechanical Engineer, for the invention of "an improved method of manufacturing figured iron and steel."
3591. 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 the construction of bridges and roofs."—A communication to him from abroad by James Buchanan Eads, of St. Louis, in the State of Missouri, United States of America.
3592. To William Henry Jones, of Derby, in the county of Derby, Manager, for the invention of "improvements in uniting mill bands and straps."
3593. And to Charles Henry Wilkinson and Elon Crowther, both of Slaithwaite, near Huddersfield, in the county of York, for the invention of "improvements in the construction and arrangement of the 'points' of railway, tramway, and other similar lines of rails."
- On their several petitions, recorded in the Office of the Commissioners on the 4th day of November, 1873.
3595. To James Morris, of the firm of Edward Morris and Son, of Birmingham, in the county of Warwick, Braziers and Iron Plate Workers, for the invention of "improvements in the covers of sanitary and other pans."
3596. To Robert Thomas, of the District Bank, Llangefni, in the county of Anglesea, North Wales, for the invention of "improvements in propelling tugs, suitable for towing a number of flats on canals without disturbing the water to injure the banks of the same, and without the use of the ordinary screw or paddles."
3597. To William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for the invention of "improvements in apparatus for compressing peat and for other like purposes."—A communication to him from abroad by Jean Moro and Felix Antoine Moro, both of Paris, France.
3598. To Thomas Reed Kingdon, of 3, Woodstreet, Exmouth-street, in the county of Middlesex, Colour Maker, for the invention of "improvements in machinery for grinding and mixing printers' ink and colors."
3600. To David McMillan, of Huddersfield, in the county of York, Machinist, for the invention of "improvements in apparatus for feeding wool, cotton, or other fibrous materials to carding or other machines."
3601. To Joe Marshall Johnson, of Mirfield, in the county of York, for the invention of "improvements in the production of dyed and bleached yarns."
3602. To William Saunders, of No. 2, Telegraph-street, in the city of London, Newspaper Proprietor, for the invention of "improved means and apparatus for facilitating printing in and by rotary web letter press-printing machines."
3603. To Edouard George Peter Thomas, of the Star Chemical Works, Brentford, in the county of Middlesex, for the invention of "improvements in the manufacture of soaps applicable for use as lubricants, and for other purposes."—A communication to him from abroad by Jules Persoz, of 28, Rue des Ecoles, Paris, in the Republic of France, Chemist.
3604. To William Frederick Beart, of Godmanchester, in the county of Huntingdon, for the invention of "improvements in kilns and in burning bricks and such like articles."
3605. And to George Haycraft, of Faversham, in the county of Kent, for the invention of "improved machinery for washing casks, bottles, and other vessels."
- On their several petitions, recorded in the Office of the Commissioners on the 5th day of November, 1873.
3610. To John Gurney, of Bradford, in the county of York, Merchant, for the invention of "improvements in the construction of taps or valves."
3614. To Eugene Moreau, of San Francisco, county of San Francisco, and State of California, one of the United States of America, Engineer, for the invention of "improvements in sewing machines, chiefly designed for embroidering and stitching button holes."