

- porated), of the city and State of New York, United States of America.—Dated 2nd November, 1871.
2943. Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for an invention of "an improved construction of twine cutter."—Communicated to him from abroad by Charles Carrington Lewis, of Gainsville, in the State of Alabama, United States of America.—Dated 2nd November, 1871.
2950. Edward Vansittart Neale, of Church-row, Hampstead, in the county of Middlesex, for an invention of "improved methods of governing and arresting the motions of sliding and of hinged or swinging windows, doors, and objects, and of rotating shafts, rods, and objects."—Dated 3rd November, 1871.
2953. John Robinson, of Rochdale, in the county of Lancaster, Engineer, and John Smith, of the same place, Engineer, for an invention of "improvements in cutting wood into shavings or shreds for the manufacture of paper and in machinery connected therewith."—Dated 3rd November, 1871.
2955. Abel Edgar Samels, of Mortlake, in the county of Surrey, for an invention of "certain improvements for adjusting and fastening door knobs or handles to lock spindles, and for preventing lateral play or tendency to bind in the wood work of the door."—Dated 3rd November, 1871.
2957. Thomas Abbott, of Blackburn, in the county of Lancaster, for an invention of "improvements in machinery employed in sizing yarn."—Dated 3rd November, 1871.
2959. John Avery Branton Williams, of Cardiff, in the county of Glamorgan, Civil Engineer, for an invention of "improvements in machinery for mixing materials for artificial fuel and moulding them into blocks, part of which machinery is applicable for moulding bricks and other analogous articles."—Dated 3rd November, 1871.
2960. Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for an invention of "improvements in apparatus for distilling naphtha and other hydrocarbon liquids."—The said invention has been communicated to him from abroad by Charles Pratt, of Brooklyn, King's County, State of New York, United States of America.—Dated 3rd November, 1871.
2961. Thomas Bowe Gibson, of the city of Glasgow, in the county of Lanark, North Britain, Manufacturer, for an invention of "improvements in the manufacture of certain figured fabrics and in the modes and means employed therefor."—Dated 4th November, 1871.
2962. Edward Bramwell, of Ravenshoe, Cowley-hill, St. Helens's, in the county of Lancaster, for an invention of "an improved method of preparing salts and other solid bodies for treatment by gases or vapours."—Dated 4th November, 1871.
2965. William Henry Tooth, of Brixton, in the county of Surrey, for an invention of "improvements in breech-loading small arms."—Dated 4th November, 1871.
2968. John Shanks, of Barrhead, in the county of Renfrew, North Britain, Sanitary Engineer, for an invention of "improvements in and connected with water closets."—Dated 4th November, 1871.
2969. John Jordan, of Liverpool, in the county of Lancaster, Engineer, for an invention of "improvements in steam boilers, and in arrangements connected therewith."—Dated 4th November, 1871.
2972. Charles Townsend, of Union-street, Bristol, Wholesale Druggist, and Alexander Rollason, of Baptist Mills, Bristol, Chemist, for an invention of "improvements in the treatment of materials and fabrics, rendering such materials and fabrics waterproof and transparent, and also for adapting them to general and surgical purposes."—Dated 4th November, 1871.
2974. John Keil Tullis and James Thomson Tullis, both of Glasgow, in the county of Lanark, North Britain, Belt Manufacturers, for an invention of "improvements in finishing belts, and in the machinery or apparatus employed therefor."—Dated 4th November, 1871.
2975. Job Cole, Promenade-garden, Sutton Coldfield, in the county of Warwickshire, and William Abbott, Brass Founder, Birchfield, in the county of Staffordshire, for an invention of "improvements in treating and utilizing sewage and other refuse matter, and in apparatus to be used for this purpose."—Dated 4th November, 1871.
2976. Albert Jaynor and Stephen Francis Smith, both of Clapham-road, in the county of Surrey, for an invention of "improvements in night signals for naval, military, and other purposes where night signaling is required."—Dated 4th November, 1871.
2978. John Blakely, of Leeds, in the county of York, for an invention of "improvements in brakes."—Dated 6th November, 1871.
2980. John Charles Raymond Okes, of Cambridge-gardens, Notting Hill, London, for an invention of "improvements in working steam engines and pumps in mines for draining purposes."—Dated 6th November, 1871.
2981. Henry Denton, of Saint Peter's Works, Wolverhampton, in the county of Stafford, Agricultural Implement Maker, for an invention of "improvements in actuating and constructing the rakes of reaping and mowing machines."—Dated 6th November, 1871.
2984. William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for an invention of "an improved frilling, ruffling, or gathering apparatus to be used upon a sewing machine."—Communicated to him from abroad by Alfred Henry Cramp, of Brooklyn, New York, United States of America.—Dated 6th November, 1871.
2988. Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for an invention of "an improvement in treating cotton seed."—Communicated to him from abroad by Joseph James Powers, of Memphis, in the State of Tennessee, United States of America.—Dated 6th November, 1871.
2989. Patrick Moir Crane and Dennis McGrath, both of the city of Manchester, Oil Manufacturers, for an invention of "improvements in apparatus for cooling and freezing liquids, and collecting the resulting congealed product."—Dated 6th November, 1871.
2992. John Macintosh, of North-bank, Regent's Park, in the county of Middlesex, Civil Engineer, for an invention of "improvements in waterproof compounds for covering roadways, foot-paths, floors, or other surfaces."—Dated 7th November, 1871.
2993. George Heywood, of Radcliffe, in the county of Lancaster, Boiler Maker, and George Whewell, of the same place, Manufacturing Chemist, for an invention of "improvement in steam-boilers or generators, and in the arrangement of the