

613. To Henry John Pearson, of the firm of Foster and Pearson, of Beeston, in the county of Nottingham, Horticultural Builders, for the invention of "improvements in valves."
614. To James Walker Tattersfield, of Mirfield, in the county of York, for the invention of "improvements in means or apparatus for warming vehicles."
615. To Albert Edward Taylor, of Islington, in the county of Middlesex, for the invention of "new or improved pipe and column cutter."
616. To Fritz Viëtor, of the firm of Fritz Viëtor and Co., of 57, Aldersgate-street, in the city of London, for the invention of "improvements in the manufacture of an improved compound or composition for use in the manufacture of buttons, studs, ornaments, frames, and other fancy goods."—A communication to him from abroad by Paul Artelt, of Berlin, in the Empire of Germany.
617. To Herbert John Haddan, of the firm of Herbert and Company, Patent Agents, of 67, Strand, in the city of Westminster, Civil Engineer, for the invention of "improvements in telephones or instruments for transmitting and receiving articulated and other sounds by electric telegraph."—A communication to him from abroad by George Bradburn Richmond, of Lansing, Michigan, United States of America.
618. To Herbert John Haddan, of the firm of Herbert and Company, Patent Agents, of 67, Strand, in the city of Westminster, Civil Engineer, for the invention of "improvements in railway brakes."—A communication to him from abroad by Amos Kenney Hadley and William Fitz-Charles McCarty, both of New York City, United States of America.
619. To Richard Theiler and Meinrad Theiler, both of 86, Canonbury-road, in the county of Middlesex, Telegraph Engineers, for the invention of "an improved method and apparatus for preparing, holding, stamping, registering, and issuing of tickets for use on omnibuses and trams, or wherever such tickets are issued."
620. To Georges Richards, of Paris, France, at present residing at 8, Southampton-buildings, London, for the invention of "an improved apparatus for stoppering bottles."—A communication to him from abroad by Louis Teissier, of Limoges, France.
621. To Alexander McGregor, of Leigh, in the county of Lancaster, for the invention of "improvements in the construction of reaping and mowing machines."
622. To William Lee, Engineer, of Laing's Patent Overhead Hand Stitch Sewing Machine Company Limited, of Dundee, in the county of Forfar, North Britain, for the invention of "improvements in Laing's overhead sewing machine."
625. To Matthew Wilson, of Leadenhall-street, in the city of London, Merchant, for the invention of "an improved appliance for corns, bunions, abrasions, or protuberances."
626. To William Walker, of Bradford, in the county of York, Dyer, for the invention of "improvements in dyeing all wool goods."
627. To Thomas Rowatt, junior, of the city of London, for the invention of "improvements in lamp burners."
629. And to Ernest de Pass, of Fleet-chambers 68, Fleet-street, in the city of London, Patent Agent, for the invention of "improvements in rock-drills."—A communication to him from abroad by Arvid Henry Elliott, of New York, in the United States of America, Gentleman. On their several petitions, recorded in the Office of the Commissioners on the 14th day of February, 1878.
631. To Richard Thomas, of Lydbrook, in the county of Gloucester, Manufacturer, for the invention of "improved apparatus used in the manufacture of tin plates."
632. To William Keen, of 69, Scrutton-street, Curtain-road, London, Chair Manufacturer, for the invention of "improvements in stands for children's chairs."
633. To Andrew Nicol Porteous, of Edinburgh, Scotland, Engineer, for the invention of "improvements in the production of hot air gas, and in the use of the same for motive purposes and for illumination."
635. To Edward Wellman Serrell, of the city and State of New York, United States of America, Civil Engineer, for the invention of "improvements in armour, chiefly designed for ships of war."
636. To Graham Stevenson, of Airdrie, in the county of Lanark, North Britain, Engineer, for the invention of "improvements in and connected with fans for ventilating mines and other uses."
637. To Francis Erskine, of Manchester, in the county of Lancaster, Engineer, for the invention of "improvements in the method of and apparatus for promoting the economical consumption of fuel in the furnaces of steam generators."
638. To William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for the invention of "an improved glove-fastener."—A communication to him from abroad by George Havell, of the firm of Roberts and Havell, of Newark, New Jersey, United States of America, Manufacturers.
639. To Frederick Alexander Fitton, of the firm of F. A. Fitton & Son, of Manchester, in the county of Lancaster, Spindle and Flyer Maker, for the invention of "improvements in spindles and flyers used in machines for preparing, spinning, and doubling."
640. To Henry Lyon, of the city of Manchester, for the invention of "improvements in the construction of washers and scrubbers for purifying gases."
641. To Thomas Bintliff, Junior, of Ashton-under-Lyne, in the county of Lancaster, for the invention of "an improved cooper's clamp or vice for holding barrel staves whilst in course of formation."
642. To John Williamson, of Hednesford, in the county of Stafford, Mining Engineer, for the invention of "improvements in safety lamps."
643. To Sydney Pitt, of Sutton, in the county of Surrey, for the invention of "improvements in the separation of vapours or volatile bodies from gases or other vapours, with which they may be admixed."—A communication to him from abroad by Theophile Schloësing, of Paris, Professor of Chemistry.
644. To Sydney Pitt, of Sutton, in the county of Surrey, for the invention of "improvements in steam and other boilers."—A communication to him from abroad by Adolphe Collet, Léon Ribourt, and Henry Giraldon, all of Paris, in the Republic of France, Civil Engineers.
645. To William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for the invention of