

2633. To John Philip Rawlings, Marine Engineer, and Edward James Barnes, Stationer, both of Whitechapel-road, in the county of Middlesex, for the invention of "improvements in the permanent way of street tramways."

2634. And to Nathaniel Henry Holding, of 31, Gloucester-street, Camden Town, in the county of Middlesex, Engineer, for the invention of "a new and improved box or receptacle to be applied to umbrellas, walking-sticks, parasols, whips, bicycle handles, billiard cues, and other similar articles for holding and containing matches, fuses, pipe and cigar lights, chalk, and such like useful purposes."

On their several petitions, recorded in the Office of the Commissioners on the 1st day of July, 1878.

2638. To James Gowans, of Edinburgh, in the county of Midlothian, North Britain, Contractor, for the invention of "improvements in the construction of tramways."

2640. To Elias Leak, of Longton, in the county of Stafford, Potters' Machinist, and John Edwards, of Fenton, in the same county, Manufacturer, for the invention of "improvements in and connected with magnets to be used for separating metallic substances from materials used in the manufacture of pottery and other manufactures."

2642. To William Whittle, Engineer, of Smethwick, in the county of Stafford, Thomas Greaves, and James Newman, Jewellers, both of Birmingham, in the county of Warwick, for the invention of "certain improvements in window-sashes and sash-fasteners."

2644. To Gustave Valentin Alsing, of Bradford, in the county of York, Civil Engineer, for the invention of "improvements in the treatment of sewage and other polluted waters and their deposits, and in apparatus employed therein."

2646. To William Edward Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Civil Engineer, for the invention of "improvements in steam engines."—A communication to him from abroad by Matthew Murray Jackson, of Buda Pesth, in the Kingdom of Hungary.

2648. To James Atherton, of 15, Water-street, Liverpool, in the county of Lancaster, Engineer, for the invention of "improvements in and appertaining to water-tight doors of ships and other navigable vessels, and to the closing and opening of such water-tight doors, also applicable as a whole or in part to various other like purposes."

2649. To Henry Bernoulli Barlow, of Manchester, in the county of Lancaster, Patent Agent, for the invention of "improvements in the manufacture of casks and in the machinery or apparatus employed therein."—A communication to him from abroad by Eugen Ritter, of Hamm-on-the-Sieg, Germany.

2650. And to William Robert Lake, of the firm of Haseltine, Lake, and Co., Patent Agents, Southampton-buildings, London, for the invention of "an improved barrel or case for the carriage or transport of eggs, fruit, or similar articles."—A communication to him from abroad by Eugen Ritter, of Hamm-on-the-Sieg, in the Empire of Germany.

On their several petitions, recorded in the Office of the Commissioners on the 2nd day of July, 1878.

2651. To John Elton, of Manor-street, York-road, Lambeth, in the county of Surrey, Gentleman, for the invention of "improvements in respirators."

2653. To Alfred Farrington, of No. 88, Redesdale-street, King's-road, Chelsea, for the invention of "improvements in heaters and heat-retaining apparatus."

2654. To Samuel Wylde, of Runcorn, in the county of Chester, for the invention of "improvements in and relating to machinery for the manufacture or manipulation of flour."—A communication to him from abroad from Messieurs Smith Brothers, of Milwaukee, in the State of Wisconsin.

2655. To Michael John Keiller, of Manchester, in the county of Lancaster, for the invention of "improvements in waistcoats."

2656. To Robert Bartlett, of the city of London, Engineer, for the invention of "improvements in the construction of sugar-cane mills."

2657. To James Graddon, of Barnes, in the county of Surrey, Engineer, for the invention of "improved means and apparatus for automatically feeding sheets of paper into printing presses, and the delivery of such sheets after the printing."

2658. To Thomas Heskin, of Preston, in the county of Lancaster, for the invention of "improvements in the manufacture of magnesium."

2659. To Carl Möhlmann, of Iserlohn, Prussia, Partner in the firm of Kissing and Möhlmann, at Iserlohn, for the invention of "improvements in drawing and cleaning metals."

2660. To Charles Billingsley, of Garnault-place, Clerkenwell, for the invention of "improvements in kettles."

2661. To George Andrews, of 156A, High-street, in the borough of Southwark, Engineer, for the invention of "improvements in window frames for railway carriages, tram-cars, carriages, cabs, ship's cabins and such like purposes, also applicable to picture and advertising frames."

2662. To Hartley Kenyon, of Bank Hey, Warrington, in the county of Lancaster, for the invention of "improvements in purifying gas and in the manufacture of ammonical salts."

2664. To John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for the invention of "improvements in or applicable to cravats and other like articles."—A communication to him from abroad by Henri Wolf and Julius Wolf, both of Paris, in the Republic of France.

2665. To James Mitchell, of Sheffield, in the county of York, Engineer, for the invention of "improvements in the manufacture of railway and other springs and in the tools used for the above purpose."

2666. To James William Mason, of Bread-street, in the city of London, for the invention of "improvements in carding or packing lengths of embroidery, lace, and other like articles."

2668. To Samuel Rayner Swallow, of Faraley, near Leeds, in the county of York, Manager of Fire Clay Works, for the invention of "an improved method of ornamenting glazed bricks."

2669. And to Paul Klunzinger, Engineer, of Vienna, IV, Belvederegasse, 2 Th. P., for the invention of "a new continuous automatic brake for railway and tramway carriages."

On their several petitions, recorded in the Office of the Commissioners on the 3rd day of July, 1878.

2670. To Henry Conradi, Engineer and Patent Agent, of 8, Lower James-street, Golden-square, in the county of Middlesex, for the invention of "an improved apparatus for anti-