428. To Walter Sandell Mappin, of Birmingham, in the county of Warwick, Manufacturer, for the invention of "a new or improved method of constructing doors and windows, for the prevention of burglary, which method of construction is also applicable to other articles where strength is required."

429. To Noel Clayton Smith, of Churton-street, Pimlico, in the county of Middlesex, Clerk, for the invention of "improvements in the disc

engine."

430. To Marmaduke William Hallett, of St. George's-road, Eccleston-square, in the county of Middlesex, for the invention of "improvements in apparatus for securing window and

other openings in buildings."

431. To John Lawson and Stephen Cotton, of Leeds, in the county of York, for the invention of "improvements in machinery for roving, spinning or twisting flax, cotton, wool, and other fibrous substances."

433. To Richard Houchin, junior, of Bridportplace, New North-road, Hoxton, Engineer, for the invention of "improvements in alarums."

434. To Titus Robottom, of Atherstone, in the county of Warwick, Engineer, for the invention of "improvements in locomotive engines chiefly adapted for the purposes of common road or street traction and the working of agricultural implements."

435. To James Cocker, of Liverpool, in the county of Lancaster, Wire Drawer, for the invention of "improvements in, and apparatus for, the manufacture of wire, part of which improvements is applicable to the annealing of

other metallic articles."

436. And to John Williams, of Port Madoc, in the county of Carnarvon, North Wales, Shipsmith, for the invention of "improvements in apparatus for lowering and stopping anchor chains on board ships, and for other similar purposes."

On their several petitions, recorded in the Office of the Commissioners, on the 13th day of February,

1857.

437. To Andrew Barclay Walker, of Liverpool, in the county of Lancaster, Wine and Spirit Merchant, for the invention of "an improved

apparatus for heating fluids."

43s. To Hamilton Henry Fulton, of 8, Great Queen-street, Westminster, in the county of Middlesex, and Thomas Bodley Etty, of 8, Great Queen-street, Westminster, in the county of Middlesex, for the invention of "improvements in the generation and application of steam power for propelling, hauling, driving, or conveying, particularly applicable to farming purposes."

439. To Alexander Forrest, of Birmingham, in the county of Warwick, Gentleman, for the invention of "improvements in the construction and ornamentation of belt or band fastenings,

and other dress fastenings."

440. To John Cruikshank, of Princes-end, near Tipton, in the county of Stafford, Roller, for the invention of "an improvement or improve-

ments in rolling iron and steel wire.

441. To Josiah Firth, of Flush Mills, Heckmondwike, in the county of York, Manufacturer, and Joseph Crabtree, of Mill Bridge, in the same county, Machine Maker, for the invention of "improvements in power looms for weaving fancy goods."

442. To Archibald Smith, of Princes-street, in the county of Middlesex, Engineer, for the invention of "improvements in machinery for the manufacture of wire rope and other ropes." 443. To James Taylor, of Upper-street, Islington, in the county of Middlesex, Chemist, for the invention of "improvements in the preparation or manufacture of manures."

444. To Charles Robert Moate, of 65, Old Broadstreet, in the city of London, Metal Broker, for the invention of "improvements in the perma-

nent way of railways."

445. And to William Cooke, of Cornhill, in the city of London, for the invention of "improvements in apparatus for ventilating."

On their several petitions recorded in the Office of the Commissioners on the 14th day of February,

1857.

447. To William Robinson Jackson, of Baltimore, in the State of Maryland, and United States of America, for the invention of "an improved railway-break."

449. To John Crawley the elder, of the firm of Crawley and Son, of Wood-street, Cheapside, in the city of London, Collar Manufacturer, for the invention of "improvements in collars and

wristbands."

451. To William Edward Wiley, of 34, Great Hampton-street, Birmingham, Pen and Pencil Manufacturer, for the invention of "improvements in the manufacture of metal pens and pen holders."

- 455. And to William Clark, of 53, Chancerylane, in the county of Middlesex, Engineer, for the invention of "improvements in the manufacture of railway chairs."—A communication. On their several petitions, recorded in the Office of the Commissioners on the 16th day of February, 1857.
- 457. To Henry Green, of Liverpool, in the county of Lancaster, Whitesmith and Ironmonger, for the invention of "an improved stove to be heated by gas."
- 459. To John Goodman, Gentleman, of 29a, Pall Mall, in the parish of St. James' and the county of Middlesex, for the invention of "improvements in apparatus for holding together letters, music, and other loose sheets."—A communication.
- 461. To John Bennett, of Birmingham, in the county of Warwick, Press Tool Maker, for the invention of "a new or improved joint for fishing rods, the rods or handles of parasols, and for other rods."
- 463. To Emile Alcan, of Fore-street, in the city of London, Merchant, for the invention of "improvements in machinery for twisting, doubling, and spinning cotton, silk, and other fibrous materials."—A communication.
- 465. To Jean Baptiste Pascal, of Lyons, France, Civil Engineer, for the invention of "an improved engine with rotary piston applicable to various purposes."
- 467. To Frederick Burnett Houghton, of Upper Gloucester-place, Dorset-square, in the county of Middlesex, for the invention of "improvements in the preparation of materials used in the manufacture of paper."
- 469. And to William Young, of Queen-street, in the city of London, Patent Vesta Lamp Manufacturer, for the invention of "improvements in fire places or stoves."

On their several petitions, recorded in the Office of the Commissioners on the 17th day of February, 1857.

Erratum in Tuesday's Gazette. 2572. For "Joseph," read "Josiah."