

493. And Edward Tombs, of Brixton, in the county of Surrey, Trimming and Tie Manufacturer, has given the like notice in respect of the invention of "improvements in the manufacture of neckties and other similar articles of wearing apparel."

As set forth in their respective petitions, both recorded in the said office on the 16th day of February, 1872.

508. And James Hargreaves, of Widnes, in the county of Lancaster, Chemist, and Thomas Robinson, of the same place, Ironfounder, have given the like notice in respect of the invention of "improvements in the production of chlorine and hydrochloric acid, and in apparatus employed therein."

509. And James Hargreaves, of Widnes, in the county of Lancaster, Chemist, and Thomas Robinson, of the same place, Ironfounder, have given the like notice in respect of the invention of "improvements in the manufacture of alkalies, and in apparatus employed therein."

513. And James Anderson, of New-buildings, in the county of Londonderry, Ireland, has given the like notice in respect of the invention of "improvements in reducing oxides, and in obtaining iron, sodium, potassium, phosphorus, chlorine, or their compounds, and in apparatus therefor."

514. And Thomas Henderson, of Glasgow, in the county of Lanark, North Britain, Merchant, has given the like notice in respect of the invention of "improvements in screw steamers."

516. And Henry Defries, of the firm of Jonas Defries and Sons, of Houndsditch, in the county of Middlesex, has given the like notice in respect of the invention of "certain improvements in railway carriage, street, and other lamps."

As set forth in their respective petitions, all recorded in the said office on the 17th day of February, 1872.

531. And Samuel Nuttall, of Shuttleworth, near Bury, in the county of Lancaster, Overlooker, has given the like notice in respect of the invention of "improvements in shuttles for looms."—A communication to him from abroad by Thomas Isherwood, of Westerly, county of Stunington, State of Connecticut, in the United States of America.

535. And Watson Gilkerson, of Diss, in the county of Norfolk, Chemist, has given the like notice in respect of the invention of "an improved measure for liquids."

As set forth in their respective petitions, both recorded in the said office on the 19th day of February, 1872.

541. And Enoch Bassett Keeling, of No. 1, Verulam-buildings, Gray's Inn, in the county of Middlesex, Architect, has given the like notice in respect of the invention of "a new or improved dish or vessel for containing and serving preserved meats and other food."

As set forth in his petition, recorded in the said office on the 20th day of February, 1872.

568. And Frederick William Lawson, Mechanical Engineer, and Edward Gerrard Fitton, Mechanical Engineer, both of Leeds, in the county of York, have given the like notice in respect of the invention of "improvements in apparatus for preventing accidents with the belts used for driving machinery."

569. And William Edgcumbe Rendle, of No. 3, Westminster-chambers, Victoria-street, in the city of Westminster, has given the like-notice

in respect of the invention of "improvements in greenhouses and other glazed structures for horticultural purposes, and in apparatus for supplying water or liquid to plants in the same."

572. And Bristow Hunt, of No. 1, Serle-street, Lincoln's-inn, in the county of Middlesex, Gentleman, has given the like notice in respect of the invention of "improvements in the manufacture of leather, and in the processes and compositions to be employed therein."—A communication to him from abroad by John Charles White, of the city of Quincy, State of Illinois, in the United States of America.

573. And Robert Elsdon, of Brockham, in the county of Surrey, Engineer, has given the like notice in respect of the invention of "improvements in the conversion of cast iron into steel or wrought iron, and in the apparatus employed therein."

As set forth in their respective petitions, all recorded in the said office on the 22nd day of February, 1872.

604. And Alexander McCallum Haggart, of Lochaline, in the county of Argyle, North Britain, has given the like notice in respect of the invention of "improvements in envelopes." As set forth in his petition, recorded in the said office on the 26th day of February, 1872.

625. And Frederick William Lawson, Mechanical Engineer, of Leeds, in the county of York, has given the like notice in respect of the invention of "improvements in batching jute."—A communication to him from abroad by Antone Girardoni, of Simmering, Vienna, Austria.

As set forth in his petition, recorded in the said office on the 28th day of February, 1872.

631. And Charles Henry Emanuel Brandauer, of Birmingham, in the county of Warwick, Manufacturer, has given the like notice in respect of the invention of "improvements in metallic pens."

As set forth in his petition, recorded in the said office on the 29th day of February, 1872.

645. And William Blackburn, of the city of Manchester, in the county of Lancaster, has given the like notice in respect of the invention of "improvements in the construction of standards or supports for seats and desks or tables for school and other purposes."

As set forth in his petition, recorded in the said office on the 1st day of March, 1872.

654. And William Leckie Graham Wright, Engineer, William Broom, Coal Master, and George Cadell Bruce, Civil Engineer, all of the city of Glasgow, in the county of Lanark, North Britain, have the like notice in respect of the invention of "improvements in the construction and arrangement of the parts of motive power engines, parts of which are applicable to other purposes."

As set forth in their petition, recorded in the said office on the 2nd day of March, 1872.

676. And William Edward Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Civil Engineer, has given the like notice in respect of the invention of "improvements in hoisting apparatus, parts of which improvements are also applicable to other purposes."—A communication to him from abroad by William Draper Andrews, of Brookhaven, in the State of New York, United States of America.

As set forth in his petition, recorded in the said office on the 5th day of March, 1872.