

Leather Dressers and Manufacturers, for the invention of "improvements in apparatus for treating split and unsplit skins and hides in the manufacture of leather."

On both their petitions, recorded in the Office of the Commissioners on the 7th day of December, 1871.

3326. To John Richardson Wigham, of Albany House, Monkstown, in the county of Dublin, for the invention of "improvements in fog and other signals."

3335. And to John Somerville, Gas Engineer, and John Robinson, Mechanic, both of the Gas Works, in the city of Dublin, for the invention of "improvements in machinery or apparatus for charging, discharging, and scouring retorts and furnaces."

On both their petitions, recorded in the Office of the Commissioners on the 9th day of December, 1871.

3347. To Isaac Bell Cook, of Newcastle-on-Tyne, in the county of Northumberland (Chemical Manufacturer), for the invention of "improvements in boats."

3348. To George Eveleigh, of 16, Asylum-road, Peckham, Consulting Chemist, for the invention of "an improved means of purifying gas from ammonia."

3352. And to Alfred Davis, of Liverpool, in the county of Lancaster, Gentleman, for the invention of "improvements in theatrical and fancy costumes, applicable more especially to stage armour."

On their several petitions, recorded in the Office of the Commissioners on the 11th day of December, 1871.

3394. To David Kilpatrick and Robert Henry Cooke, both of London, in the county of Middlesex, Gentlemen, for the invention of "improvements in applying galvanism to the human frame, and in the means used for such purpose."

On their petition, recorded in the Office of the Commissioners on the 14th day of December, 1871.

3400. To Alfred Morris, of the Royal Exchange, in the city of London, for the invention of "improvements in the calcination and manufacture of kelp, and in furnaces therefor."—A communication to him from abroad by Joseph Pellioux and Albert Maze-Launay, of Kerhuon, Finisterre, France.

3402. To Thomas Scott, of Edinburgh, North Britain, for the invention of "improvements in rails for tramways and railways."

3403. And to Thomas Scott, of No. 85, Grass-market, in the city of Edinburgh, for the invention of "improvements in tramways."

On their several petitions, recorded in the Office of the Commissioners on the 15th day of December, 1871.

3416. To Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improved apparatus for generating and purifying gases for lighting and heating purposes."—A communication to him from abroad by Xavier Moussard, of 13, Boulevard St. Martin, Paris.

On his petition, recorded in the Office of the Commissioners on the 16th day of December, 1871.

3418. To Auguste Lucien Le Harivel, Millboard Manufacturer, Tweedmouth, Northumberland-shire, for the invention of "improvements in the construction of elastic steel wheels."

No. 23815.

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3428. And to George Lamb Scott, of Manchester, in the county of Lancaster, for the invention of "improvements in ventilating mines and tunnels, and in apparatus connected therewith, applicable also to ventilating buildings."

On both their petitions, recorded in the Office of the Commissioners on the 18th day of December, 1871.

3433. To John Butler Edlington and Thomas Edlington, Engineers, of Gainsborough, in the county of Lincolnshire, for the invention of "improvements in smutting and cleaning grain in combined thrashing machines."

On their petition, recorded in the Office of the Commissioners on the 19th day of December, 1871.

3444. To Nicholas Voicé, of Handcross, in the county of Sussex, Plumber, for the invention of "improvements in the means or apparatus for ringing bells."

3448. To Alfred Morris, of the Royal Exchange, in the city of London, for the invention of "improvements in the production of iodine and bromine and in apparatus therefor."—A communication to him from abroad by Joseph Pellioux and Albert Mazé-Launay, of Kerhuon, Finisterre, France.

3450. To William Cross, of Glasgow, North Britain, Manufacturer, for the invention of "improvements in the manufacture of woven fabrics."

3452. To Charles Denton Abel, of No. 20, Southampton-buildings, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in apparatus for regulating the admission of steam to the cylinder of a steam engine by the action of the governor."—A communication to him from abroad by Alphonse Rycx, residing in Ghent, in the Kingdom of Belgium.

3454. And to Adolphe Hugentobler, of No. 16, Gresham Park, Brixton, in the county of Surrey, for the invention of "improvements in the preservation of fresh meat and vegetables, and in the preparation of extract of meat."—A communication to him from abroad by Doctor Frederick Sacc, of Neuchâtel, Switzerland.

On their several petitions, recorded in the Office of the Commissioners on the 20th day of December, 1871.

3455. To William Anderson, of Inverkeithing, in the county of Fife, North Britain, for the invention of "improvements in domestic apparatus for rendering sewage gases innocuous."

3458. To Stewart Peters and John Peters, Coppersmiths and Tinsmiths, of Glasgow, in the county of Lanark, North Britain, for the invention of "improvements in economic water-supply apparatus for water closets."

3459. To John Unwin, of Sheffield, in the county of York, Manufacturer, for the invention of "improvements in the method or means of depositing nickel upon metals, and in the preparation of the articles to be coated for the reception of the nickel coating."

3460. To William Pawson, of Westgate, Grantham, in the county of Lincoln, Plumber, for the invention of "improvements in water-closets."

3461. To Thomas Fawcett, of Dewsbury, in the county of York, Timber Merchant, and James Coulter, of the same place, Engineer and Machinist, for the invention of "an improved governor for motive power engines."