

2841. To William Edward Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Civil Engineer, for the invention of "improved machinery or apparatus for picking hops."—A communication to him from abroad by Herbert G. Locke, of Waterville, in the county of Oneida, and State of New York, United States of America.

On his petition, recorded in the Office of the Commissioners on the 25th day of July, 1877.

3076. To Nathaniel Clayton and Joseph Shuttleworth, both of Lincoln, in the county of Lincoln, Engineers, for the invention of "improvements in or applicable to thrashing machines."

On their petition, recorded in the Office of the Commissioners on the 13th day of August, 1877.

3124. To John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for the invention of "improvements in apparatus for the production of vacuum, and for effecting the removal thereby of semi-fluid and other like matters, and in means or appliances connected therewith."—A communication to him from abroad by Auguste Alphonse Duvergier, of Paris, in the Republic of France, Engineer.

3127. And to John Garrett Tongue, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton-buildings, Chancery-lane, in the county of Middlesex, for the invention of "a new or improved automatic figure or toy."—A communication to him from abroad by Elie Martin, of Paris, France.

On both their petitions, recorded in the Office of the Commissioners on the 16th day of August, 1877.

3215. To Bryce Craig, of New Town, Frizington, in the county of Cumberland, for the invention of "improvements in continuous railway brakes."

3217. And to William Henry Crispin, of Marsh Gate-lane, Stratford, in the county of Essex, for the invention of "improvements in the construction of collapsible boats."

On both their petitions, recorded in the Office of the Commissioners on the 23rd day of August, 1877.

3221. To William Richter, of Berlin, in the Kingdom of Prussia, for the invention of "improvements in iron roads and streets."

3223. To Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in decolorizing and coloring pearls."—A communication to him from abroad by Joseph Marie Clément, of Paris, France.

3225. And to Thomas Powell, of Llanelly, in the county of Caermarthen, for the invention of "an improved fastening for the end and side doors of railway trucks or wagons."

On their several petitions, recorded in the Office of the Commissioners on the 24th day of August, 1877.

3226. To Henry Conradi, of 8, Lower James-street, Golden-square, in the county of Middlesex, for the invention of "an improved maize mashing machine."—A communication to him from abroad by William von Sydow, Proprietor, of Bärfelde, Prussia.

3227. To William Ireland, of Buckhaven, in the county of Fife, North Britain, Manufacturer, for the invention of "improvements in spinning frames."

3229. To Duncan McKechnie, Manufacturing Chemist, and William Gentles, Analytical

Chemist, both of Saint Helen's, in the county of Lancaster, for the invention of "improvements in the manufacture or purification of sulphuric acid, and in the obtaining of an arsenical compound therefrom."

3231. To Frederick James Young, of No. 46, Corporation-row, in the county of Middlesex, Cabinet Maker, for the invention of "an improved apparatus for holding paper or other material in an extended form whilst ink or other matter is applied to pass through perforations in such material on to the surface of other paper or other material, which apparatus is also applicable to holding extended paper or other material for other uses."

3233. To John Butler Edlington and Thomas Edlington, Engineers, of Gainsborough, in the county of Lincoln, for the invention of "improvements in horse rakes."

3235. To Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in decolorizing textile and other materials."—A communication to him from abroad by Joseph Marie Clément, of Paris, France.

3237. And to James Shanks and James Gordon Lyon, both of Arbroath, in the county of Forfar, North Britain, Engineers, for the invention of "improvements in steam engines."

On their several petitions, recorded in the Office of the Commissioners on the 25th day of August, 1877.

3239. To John Pitt Kennedy, of Lupus-street, in the county of Middlesex, Civil Engineer, and John Latham, of Folkestone, in the county of Kent, Gentleman, and John Andrews Dryden, of Elsley-road, in the county of Surrey, for the invention of "improvements applicable to railway carriage lamps."

3243. To Walter Alpheus Rollins, of Old Swan Wharf, Upper Thames-street, in the city of London, for the invention of "improvements in hand stamps or apparatus to be used in binding together sheets of paper, parchment, leather, or other material."

3245. To John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for the invention of "improvements in looms for wire fabrics."—A communication to him from abroad by the firm of Asbach and Vogel, of Dresden, Saxony, Chemists.

3247. To Edward McCann, of Sheffield, in the West Riding of the county of York, Spring Maker, for the invention of "improvements in springs."

3249. To Michael Holroyd Smith, of Halifax, in the county of York, Mechanical Engineer, for the invention of "improvements in circular rotary furnaces."

3251. To William Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "improvements in compound steam engines."—A communication to him from abroad by Gideon Blackburn Massey, of the city, county, and State of New York, United States of America.

3253. To Josiah Vavasseur, of the London Ordnance Works, Bear-lane, Southwark, in the county of Surrey, for the invention of "improvements in apparatus for working and controlling the recoil of ordnance."

3254. To Thomas Jewell, of No. 5, Gordon-grove, Camberwell, in the county of Surrey, for the invention of "an improved system of drainage."

3255. To Patrick Auld, of Frederick-street, Gray's-inn-road, in the county of Middlesex,