the county of Lancaster, has given the like notice in respect of the invention of "improvements applicable to metallic casks, and the machinery for the manufacture of the same.'

2501. And William Edward Gedge, of the firm of John Gedge and Son, of No. 11, Wellingtonstreet, Strand, in the county of Middlesex, Patent Agent, has given the like notice in respect of the invention of "improvements in shears for cutting metals and other substances." —A communication to him from abroad by Hugues François Aubert, of No. 15, Passage des Petites Ecuries, Paris, France, Edge Tool

2505. And James John Anderton, of Saint James-street, Northampton, in the county of Northamptonshire, Currier, has given the like notice in respect of the invention of "improvements in machinery for cutting and finishing the edges of the soles and heels, and the bottoms of boots and shoes."

As set forth in their respective petitions, all recorded in the said office on the 12th day of Octo-

2506. And James Dodge, of Waterford, Saratoga county, State of New York, U. S. of America, Mechanical Engineer, at present residing in the city of Manchester, in the county of Lancaster, has given the like notice in respect of the invention of "improvements in machinery for rolling, shaping, or forging metals, and in apparatus for grinding and polishing the same.

2507. And George Morgan, of the firm of Dalton and Morgan, Wholesale Stationers, of No. 3, Budge-row, in the city of London, has given the like notice in respect of the invention of "an improved 'sample' bag for postal and

purposes."

2508. And John Edgar Poynter, of Glasgow, in the county of Lanark, North Britain, Chemical Manufacturer, has given the like notice in respect of the invention of "improvements in throwing projectiles by means of explosive agents, and in apparatus therefor."

2509. And Joseph Place, of Hoddlesden, in the county of Lancaster, Coal Proprietor, has given the like notice in respect of the invention of "an improved application of certain schistous or shaly materials to the manufacture and finishing of paper."

As set forth in their respective petitions, all recorded in the said office on the 13th day of October, 1863.

2519. And James Milton, Manager to Messrs. John Yuill and Company, of Paisley, in the county of Renfrew, North Britain, Power-loom Manufacturers, has given the like notice in respect of the invention of "improvements in looms for weaving."

2520. And William Jackson Rideout, of Farnworth Mills, Bolton, Lancashire, Paper Manufacturer, has given the like notice in respect of the invention of "improvements in boiling rags and other paper making materials."

As set forth in their respective petitions, both recorded in the said office on the 14th day of October, 1863.

2747. And Robert Thomas Tait, of No. 10, Essex-street, Strand, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in the manufacture of woollen garments."

As set forth in his petition, recorded in the said office on the 5th day of November, 1863.

No. 22820.

2498. And Thomas Browning, of Liverpool, in [3124. And Alexander Epps, of Chilham, in the county of Kent, Builder, has given the like notice in respect of the invention of "improvements in malt and hop kilns, which improvements are partly applicable to the ventilation and warming of buildings and to the drying of various substances.

As set forth in his respective petition, recorded in the said office on the 11th day of December, 1863.

3189. And Joseph Astbury, of Hadley, near Wellington, in the county of Salop, Foreman of Bar Iron Works, has given the like notice in respect of the invention of "improvements in forge hammers."

As set forth in his petition, recorded in the said office on the 18th day of December, 1863.

3257. And Henry Barber, Spring Knife Cutler, of No. 83, Oxford-road, in the township of Ecclesall Bierlow, Sheffield, in the county of York, has given the like notice in respect of the invention of "improvements in cutlery handles.'

As set forth in his petition, recorded in the said office on the 24th day of December, 1863.

And Alexander Joseph Slade Graham, of Northumberland-street, Strand, in the county of Middlesex, has given the like notice in respect of the invention of "a method of communicating or imparting motion by means of fluids or vapours acting centripetally

As set forth in his petition, recorded in the said office on the 8th day of January, 1864.

60. And Daniel Pidgeon, of the Britannia Works, Banbury, Agricultural Engineer, and William Manwaring, of the same place, Engineer, have given the like notice in respect of the invention of "improvements in the construction of machinery for preparing the food of animals." As set forth in their petition, recorded in the said office on the 9th day of January, 1864.

117. And James Ellis, of Bradford, in the county of York, Mechanic, and Joseph Sladdin, of Halifax, in the same county, Reed and Heald Maker, have given the like notice in respect of the invention of "improvements in machinery or apparatus for the manufacture of healds."

As set forth in their petition, recorded in the said office on the 15th day of January, 1864.

142. And Elie Jerome Vinot, of Paris, in the Empire of France, Gentleman, has given the like notice in respect of the invention of "the application of the pneumatic pump to watering apparatus.'

As set forth in his petition, recorded in the said office on the 19th day of January, 1864.

159. And Henry Brockhurst, of Beech-house, Little Hampton, in the county of Sussex, and John Sullivan, of No. 177, Great Dover-street, in the county of Surrey, have given the like notice in respect of the invention of "improvements in pressure and vacuum gauges."

169. And Frederick James Ritchie, of Edinburgh, in the county of Midlothian, North Britain, Clock and Watch Maker, has given the like notice in respect of the invention of "improvements in the application of magneto-electricity to the propelling and controlling of sympathetic clocks."

As set forth in their respective petitions, both recorded in the said office on the 21st day of January, 1864.