

recorded in the said office on the 22nd day of November, 1862.

3159. And Albert Lewis Woolf, of the firm of Woolf Brothers, of Birmingham, in the county of Warwick, Wholesale Jewellers, has given the like notice in respect of the invention of "a new or improved metallic alloy."

As set forth in his petition, recorded in the said office on the 25th day of November, 1862.

3168. And Thomas Fletcher, of Rochdale, in the county of Lancaster, Tin Plate Worker, has given the like notice in respect of the invention of "improvements in the construction of rollers, cans, spools, and bobbins, and in the machinery employed therein."

As set forth in his petition, recorded in the said office on the 26th day of November, 1862.

3179. And Thomas Keyworth, of Blue-court, Boston, Lincolnshire, has given the like notice in respect of the invention of "improvements in motive power machinery."

3180. And William Tertius Rowlett, of Leicester, in the county of Leicester, has given the like notice in respect of the invention of "improvements in machinery used in producing knit or looped fabrics."

3184. And William Clark, of 53, Chancery-lane, in the county of Middlesex, Engineer and Patent Agent, has given the like notice in respect of the invention of "improvements in the preservation of animal and vegetable substances."—A communication to him from abroad by Henri de Lapparent, of 29, Boulevard St. Martin, Paris, Engineer.

As set forth in their respective petitions, all recorded in the said office on the 27th day of November, 1862.

3191. And John Cresswell, of Birmingham, in the county of Warwick, Undertaker, and Edwin Thompson Greves, of the same place, Gentleman, have given the like notice in respect of the invention of "improvements in the construction of hearses and funeral carriages."

3197. And Alexander Dudgeon, of 19, Cullmstreet, in the city of London, Steam Ship Furnisher, has given the like notice in respect of the invention of "improvements in packing for various parts of steam and other engines and machinery."

As set forth in their respective petitions, both recorded in the said office on the 28th day of November, 1862.

3223. And Benjamin Oldfield, of Coventry, in the county of Warwick, Machinist, has given the like notice in respect of the invention of "improvements in looms."

3224. And Alfred Vincent Newton, of the Office of Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, has given the like notice in respect of the invention of "improvements in the construction of steam and other vessels."—A communication to him from abroad by William Montgomery Storm, of New York City, in the United States of America.

As set forth in their respective petitions, both recorded in the said office on the 1st day of December, 1862.

3285. And Peter Todd, of Wheelton, in the county of Lancaster, Spinner and Manufacturer, has given the like notice in respect of the invention of "certain improvements in 'Pickers' used in looms for weaving."

3290. And John Hilliar, of Balsall Heath, in the county of Worcester, Manager of Works, has

given the like notice in respect of the invention of "improvements in hinges, joints, or connections, and in applying them, parts of which improvements may also be employed for constructive and decorative purposes."

3291. And John Hilliar, of Balsall Heath, in the county of Worcester, Manager of Works, has given the like notice in respect of the invention of "improvements in ventilating, and in the exclusion of dust, of dust or draught, insects, or other animals, from apartments, carriages, or other confined spaces."

As set forth in their respective petitions, all recorded in the said office on the 8th day of December, 1862.

3408. And Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, has given the like notice in respect of the invention of "improvements in the manufacture of automatic toy figures."—A communication to him from abroad by Enoch Rice Morrison, of New York City, United States of America.

As set forth in his petition, recorded in the said office on the 20th day of December, 1862.

18. And William Henry Muntz, of Millbrook, in the county of Hants, has given the like notice in respect of the invention of "an improved method of attaching sheathing to iron or other vessels."

As set forth in his petition, recorded in the said office on the 2nd day of January, 1863.

154. And George Haycraft, of 23, Lombardstreet, in the city of London, has given the like notice in respect of the invention of "improvements in powder flasks."

As set forth in his petition, recorded in the said office on the 17th day of January, 1863.

391. And John Grantham, of 31, Nicholas-lane, in the city of London, Civil Engineer, has given the like notice in respect of the invention of "improvements in hydraulic presses."

As set forth in his petition, recorded in the said office on the 13th day of February, 1863.

446. And George Tomlinson Bousfield, of Loughborough-park, Brixton, in the county of Surrey, has given the like notice in respect of the invention of "improvements in breech loading fire-arms."—A communication to him from abroad by Isaac Hartshorn, a person resident at Providence, in the State of Rhode Island, United States of America.

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

471. And Charles Malpas, of Soho Mills, Tunstall, in the county of Stafford, has given the like notice in respect of the invention of "improvements in ovens or kilns for firing or burning or baking pottery, bricks, tiles, and other earthen or ceramic articles."

479. And William Wood, of Monkhill, near Pontefract, in the county of York, has given the like notice in respect of the invention of "improvements in the process of manufacturing pomfret or liquorice cakes, rolls, sticks, and pipes, and other similar articles of confectionery."

As set forth in their respective petitions, both recorded in the said office on the 21st day of February, 1863.

521. And William Readman, of Glasgow, in the county of Lanark, North Britain, Manufacturing Chemist, has given the like notice in respect of the invention of "improvements in the manufacture of carbonate of magnesia, and