

recorded in the said office on the 16th day of December, 1858.

2893. And William Beckett Johnson, Manager for Messrs. Ormerod and Son, of Manchester, in the county of Lancaster, Engineers, has given the like notice in respect of the invention of "improvements in machinery, or apparatus for preparing for joining the rails of railways."

As set forth in his petition, recorded in the said office on the 17th day of December, 1858.

2902. And James Taylor, of Birkenhead, Engineer, has given the like notice in respect of the invention of "improvements in the construction of pumps or engines for lifting and discharging water."

As set forth in his petition, recorded in the said office on the 18th day of December, 1858.

2920. And Robert Clegg, of Islington, in the county of Middlesex, Frederick Angerstein, of Kennington, in the county of Surrey, and George Ferry, of Hackney, in the said county of Middlesex, have given the like notice in respect of the invention of "improved mechanism for imparting reciprocating motion to machinery, and more especially pumps."

2924. And Michael Kenney, of Queen-street, Dublin, Mechanical Engineer, has given the like notice in respect of the invention of "improvements in bridges."

2929. And Frederick Ransome, of Ipswich, has given the like notice in respect of the invention of "improvements in the manufacture of grinding and rubbing surfaces."

As set forth in their respective petitions, all recorded in the said office on the 22nd day of December, 1858.

2952. And William Beckett Johnson, Manager for Messrs. Ormerod and Son, of Manchester, in the county of Lancaster, Engineers, has given the like notice in respect of the invention of "improvements in the employment of gas for generating steam, and in engines connected therewith."

As set forth in his petition, recorded in the said Office, on the 24th day of December, 1858.

2963. And Henry Lowe, of Birmingham, in the county of Warwick, Manufacturer, and William Trueman, of Birmingham aforesaid, Axle Maker, and John Linwood Pitts, of Birmingham aforesaid, Accountant Clerk, have given the like notice in respect of the invention of "a new or improved axle for carriages."

As set forth in their petition, recorded in the said office on the 27th day of December, 1858.

2975. And William Taylor, of Nursling, in the county of Southampton, Gentleman, and William Dakin Grifnshaw, of the town and county of the town of Southampton, Engineer, have given the like notice in respect of the invention of "regulating the admission of natural atmospheric air and eduction of rarefied air or gases from hothouses or any other place or premises and for supporting a required temperature."

2976. And Richard Dugdale Kay, of Accrington, in the county of Lancaster, Manufacturer of Patent Fabrics, has given the like notice in respect of the invention of "an improved chemical means of applying or fixing on woven or felted fabrics certain coloring matters produced from tar."

As set forth in their respective petitions, both recorded in the said office on the 29th day of December, 1858.

3000. And Henri Robin, of Nantes, in the Empire of France, has given the like notice in respect of the invention of "improvements in reaping-machines."

3005. And Frederic Wilhelm Alexandre Casper and Guillaume Henry Schmahl, both of 152, Rue du Faubourg St. Martin, Paris, have given the like notice in respect of the invention of "using spart or Spanish broom in manufacturing seats of all descriptions."

As set forth in their respective petitions, both recorded in the said office on the 31st day of December, 1858.

7. And John Oliver, of White Bank, near Chesterfield, in the county of Derby, has given the like notice in respect of the invention of "improvements in lubricators for steam engine cylinders."

As set forth in his petition recorded in the said office on the 1st day of January, 1859.

38. And William Draper, of No. 2, Gordon-terrace, Holland-road, Brixton, in the county of Surrey, Artist, has given the like notice in respect of the invention of "improvements in machinery for printing on paper and other fabrics."

42. And William Corfield the younger, of Charlton-Adam, in the county of Somerset, has given the like notice in respect of the invention of "improvements in chains for coupling, cranes, cables, mining purposes, hoisting, and all other purposes where chains are used."

As set forth in their respective petitions, both recorded in the said office on the 5th day of January, 1859.

59. 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 machinery for winding, twisting, and doubling fibrous materials."—A communication from Louis Barnabé Duboc, junior, of Paris, in the Empire of France.

As set forth in his petition, recorded in the said office on the 7th day of January, 1859.

153. And Richard Garrett, junior, of Leiston Works, Saxmundham, in the county of Suffolk, and James Kerridge, Foreman to Messrs. Garrett and Sons, of Leiston Works aforesaid, have given the like notice in respect of the invention of "an improved arrangement of combined thrashing and dressing machine."

As set forth in their petition recorded in the said office on the 18th day of January, 1859.

177. 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 "improved apparatus for measuring water and other liquids."—A communication from Mr. Alfred Nobel, Engineer, of Paris, in the Empire of France.

As set forth in his petition, recorded in the said office on the 20th day of January, 1859.

647. And Thomas Patstone, of Birmingham, in the county of Warwick, Warehouse Clerk, has given the like notice in respect of the invention of "improvements in shades or glasses for gas and other lamps, and in the supports of the said shades or glasses."

As set forth in his petition, recorded in the said office on the 14th day of March, 1859.