

1102. William Heesom, of 48, Nile-street, Sunderland, in the county of Durham, for an invention of "improvements in furnace bars."—Dated 26th April, 1871.
1104. Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for an invention of "improvements in holding and cutting pliers, part of which improvements is applicable to other tools or implements having a tongs-like action."—Communicated to him from abroad by Nathan Thompson, of Brooklyn, in the State of New York, United States of America.—Dated 26th April, 1871.
1106. David Rogers, of 105, Hampstead-road, N.W., Piano Forte Maker, James Monington, of 32a, William-street, N.W., Piano Forte Maker, and John Weston, of 32a, William-street, N.W., Piano Forte Maker, for an invention of "improvements in bracings for pianoforte backs."—Dated 27th April, 1871.
1107. William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for an invention of "improvements in joiners' clamps."—The said invention has been communicated to him from abroad by William Henry Goodchild, of Centreville, New Jersey, United States of America.—Dated 27th April, 1871.
1111. George Harrison, Henry Harrison, and William Harrison, all of Burnley, in the county of Lancaster, for an invention of "an improvement in the construction of self-acting mules for spinning and doubling cotton."—Dated 27th April, 1871.
1112. Henry William Harman, of Manchester, in the county of Lancaster, Civil Engineer, and William Henry Jones Mills, of Mexbrough, in the county of York, Linen Draper, for an invention of "a self-acting mechanism for indicating the time between the passing of two engines or trains on the same line of railway."—Dated 27th April, 1871.
1116. Samuel Cunliffe Lister, of Bradford, in the county of York, Manufacturer, for an invention of "improvements in spinning and treating yarns for velvets, sewing threads, and other purposes."—Dated 27th April, 1871.
1118. Samuel Brooke, of Brighouse, in the county of York, Card Manufacturer, for an invention of "improvements in the rubbers or rubbing belts for the condensers of carding engines."—Dated 27th April, 1871.
1119. Grimshaw Hayes and Thomas Entwistle, of Accrington, in the county of Lancaster, for an invention of "improvements in warping or beaming machines."—The said invention is the result partly of a communication made to them from abroad by Edwin H. Cummings, of Lewiston, county of Androscoggin, State of Maine, United States of America, and partly of invention and discovery made by them.—Dated 27th April, 1871.
1122. William Page, of the Parade, Epsom, in the county of Surrey, Engineer, for an invention of "improvements in adjustable riddles or sieves, chiefly designed for thrashing and winnowing machines."—Dated 27th April, 1871.
1123. Thomas Isherwood, of Connecticut, of the United States of America, for an invention of "an improvement in shuttles for looms, such invention being for the prevention of the formation of 'floats' in cloth during the process of weaving the same."—Dated 27th April, 1871.
1125. William Pierce, of Manchester, in the county of Lancaster, for an invention of "certain improvements in railway breaks,"—Dated 28th April, 1871.
1126. Richard Keevil, of Overcourt Farm, North Bradley, in the county of Wilts, for an invention of "improvements in apparatus for milking cows."—Dated 28th April, 1871.
1127. William Edward Kenworthy and John Johnstone, both of Leeds, in the county of York, for an invention of "improvements in apparatus for burning and consuming smoke."—Dated 28th April, 1871.
1128. William Robert Lake, of the firm of Haseltine, Lake, & Co., Patent Agents, Southampton-buildings, London, for an invention of "an improved device for securing pocket books, purses, and other similar articles to the hand."—Communicated to him from abroad by Jefferson Brown, Junior, and William Henshaw Buxton, both of the city and State of New York, United States of America.—Dated 28th April, 1871.
1134. James Emmott, of Farsley, near Leeds, in the county of York, Machine Wool Combing Overlooker, for an invention of "improvements in machinery for preparing wool for combing."—Dated 28th April, 1871.
1138. John Smith, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for an invention of "improvements in locomotive ordnance batteries for land service."—Dated 28th April, 1871.
1140. Henry Edward Mines, of Cheltenham, in the county of Gloucester, Engineer, for an invention of "improvements in lighting and heating, and in apparatus employed therefor."—Dated 28th April, 1871.
1141. Henry Levy, of Birmingham, in the county of Warwick, Factor, for an invention of "improvements in window sash fasteners."—Dated 28th April, 1871.
1143. George Frederick Muntz, of Umberslade Hall, in the county of Warwick, Gentleman, for an invention of "improvements in propelling ships and vessels."—Dated 28th April, 1871.
1146. Samuel Sinclair Robson, of Sunderland, in the county of Durham, for an invention of "improvements in apparatus for raising, lowering, and detaching ships' boats."—Dated 28th April, 1871.
1150. Samuel Alfred Varley, of Roman-road, Holloway, in the county of Middlesex, for an invention of "improvements in electric telegraph apparatus, parts of which improvements are applicable for other purposes."—Dated 29th April, 1871.
1153. John Murray, of Grougar Bank, in the county of Ayr, North Britain, for an invention of "certain improvements in double furrow ploughs."—Dated 29th April, 1871.
1157. Robert Miller, Merchant, of Glasgow, in the county of Lanark, North Britain, and John Miller, of the Carron Paper Works, Denny, in the county of Stirling, North Britain, for an invention of "improvements in the manufacture of paper pulp."—Dated 29th April, 1871.
1159. John Cameron Graham, of Ballewan, in the county of Stirling, Scotland, at present residing at Shalford, in the county of Surrey, Mechanical Engineer, for an invention of "improvements in breech loading cannon."—Dated 29th April, 1871.
1160. John Imray, of 28, Great George-street, Westminster, in the county of Middlesex, Engineer, for an invention of "improvements in locks and latches."—Dated 1st May, 1871.
1164. Alfred Selfe Leonard, of the firm of Marling and Co., of Stroud, in the county of Gloucester,