

4183. To Edwin Whitworth, of Ingoldmells, in the county of Lincoln, for the invention of "improvements in reaping machines, and in apparatus for making up cut crops into sheaves."
4185. To William Welch, of Salford, in the county of Lancaster, Mechanic, for the invention of "improvements in metallic bedsteads, also applicable to the frame work of spring mattresses."
4187. And to Richard Henry Cowins, of Bishopwearmouth, in the county of Durham, Engineer, for the invention of "improvements in railway switches."
- On their several petitions, recorded in the Office of the Commissioners on the 19th day of December, 1873.
4189. To William Esplen, of Liverpool, in the county of Lancaster, Engineer, for the invention of "the utilization of steam from the deck engines of ships, and apparatus employed therein."
4191. To Alexander Browne, of the firm of Browne and Company, Patent Agents, of 5, Southampton-buildings, Holborn, in the county of Middlesex, for the invention of "an improved apparatus for removing the cotton from cotton pods."—A communication to him from abroad by Michel Alcan, Engineer, of Paris, in the French Republic.
4193. To John Rubery, of Hampstead, in the county of Middlesex, for the invention of "improvements in telegraphic wires or conductors."
4197. And to Heber Duckham, of Millwall, in the county of Middlesex, for the invention of "improvements in apparatus for testing springs and other purposes."
- On their several petitions, recorded in the Office of the Commissioners on the 20th day of December, 1873.
4199. To Alexander Southwood Stocker, of Horsleydown, in the county of Surrey, for the invention of "improvements appertaining to bottles and other vessels, and in stoppers and articles to be employed therewith, and in their construction."
4201. To Henri Adrien Bonneville, of the British and Foreign Patent Offices, 18, Rue de la Chaussée d'Antin, Paris, France, and 6, Piccadilly, in the county of Middlesex, Patent Agent, for the invention of "improvements in apparatus for warming railway carriages and others and boats."—A communication from Pierre Grandjean, a person resident at La Chapelle, St. Denis, France.
4205. To Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for the invention of "an improvement in chucks."—A communication to him from abroad by John Henry Westcott, of Onseida, in the State of New York, United States of America.
4207. To Félix Sival, of Neuilly (Seine), France, Mechanician, for the invention of "improvements in the manufacture of lace."
4209. And to William Robert Lake, of the firm of Hazeltine, Lake, and Co., Patent Agents, Southampton-buildings, London, for the invention of "an improved process for the manufacture of artificial butter, lard, or shortening for culinary and other purposes."—A communication to him from abroad by L. D. Rodebush, of the city and State of New York, United States of America.
- On their several petitions, recorded in the Office of the Commissioners on the 22nd day of December, 1873.
4211. To Michael Henry, of Fleet-chambers, 68, Fleet-street, in the city of London, Patent Agent, for the invention of "improvements in the manufacture of soap, and in apparatus employed therein."—A communication to him from abroad by Jean Hector Destibeaux, of 17, Boulevard Saint Martin, Paris, France.
4213. To Henry Defries, of the firm of Jonas Defries and Sons, of 147, Houndsditch, in the county of Middlesex, for the invention of "an improved process of manufacturing chimneys for the lamps of lighthouses."—A communication to him from abroad by Messrs. O. Schulzer and Co., of Rauscha, Silesia, Prussia.
4217. To Wilhelm Radeke, of No. 28, Gracechurch-street, in the city of London, for the invention of "improvements in the manufacture by the aid of soluble silicate of balls or blocks of artificial fuel to be used as a fuel only."
4219. To Louis Paschal Casella, of Holborn-bars, in the city of London, Scientific Instrument Maker, and Samuel George Denton, of the same place, Instrument Maker, in the employment of the said Louis Paschal Casella, for the invention of "an improved mercurial minimum and maximum thermometer."
4221. To John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for the invention of "improvements in machinery or apparatus for treating flax, hemp, and other similar fibrous materials."—A communication to him from abroad by the firm of Bailleux-Lemaire and Company, of Lille, in the Republic of France, Flax Spinners.
4223. And to John Leach, of Rochdale, in the county of Lancaster, for the invention of "improvements in machinery used in the preparation of wool, cotton, and other fibrous materials."
- On their several petitions, recorded in the Office of the Commissioners on the 23rd day of December, 1873.
4225. To John Casthelaz, of Crumpall Vale Chemical Works, near Manchester, in the county of Lancaster, Manufacturing Chemist, for the invention of "improvements in the preparation of products of aniline and matters from which aniline is or may be derived suitable to be used in dyeing and printing, and in the preparation of colouring matters."
4226. To Samuel Smith, Machine Maker, of Low Bridge Works, Keighley, in the county of York, for the invention of "improvements in rollers used in spinning, and for other purposes."
4229. To François Alphonse Jacquet, of Boulevard Magenta, 89, at Paris, Manufacturer, for the invention of "improvements in portable gas-cooking apparatus."
4230. To François Alphonse Jacquet, of Boulevard Magenta, 89, at Paris, Manufacturer, for the invention of "improvements in gas-heating apparatus."
4232. To Edward Griffith Brewer, of 89, Chancery-lane, in the county of Middlesex, for the invention of "improvements in sewing machines."—A communication to him from abroad by Charles James Appleton, of Hamilton, Canada.
4233. To Matthew Mirfield, of Holme-lane, near Bradford, in the county of York, Worsted Top Maker, and John Scott, of Holme-lane aforesaid, Manager, for the invention of "improvements in machinery for combing wool and other fibres."