

- "improvements in aquaria and apparatus connected therewith."—Dated 28th March, 1873.
1157. Herbert John Haddan, of the firm of Herbert and Company, Patent Agents, of 67, Strand, in the city of Westminster, for an invention of "improvements in the manufacture and use of fasteners suitable for straps, bands, and such like."—From abroad by James Fairman, of the city of New York, in the county and State of New York, in the United States of America.—Dated 28th March, 1873.
1158. Joseph Henry West, of No. 4, King Edward-street, Southwark, in the county of Surrey, Engineer, for an invention of "improvements in machinery or apparatus for refrigerating or producing cold for the manufacture of ice and other purposes."—Dated 28th March, 1873.
1159. Henry Spencer Kenrick Bellairs, Master of Arts, Professor in Elphinstone College, Bombay, of Apsley, in the county of Oxford, for an invention of "an improved apparatus for turning over the leaves of music."—Dated 38th March, 1873.
1160. Alfred Davies, of 109, Ellesmere-road, Sheffield, in the county of York, Furnaceman, for an invention of "improvements in dampers for furnaces."—Dated 28th March, 1873.
1161. William John Barber, of Hackney, in the county of Middlesex, for an invention of "improvements in boot and shoe toe-pieces or tips."—Dated 28th March, 1873.
1164. Joseph Bullocks and Alfred Bullocks, of Walsall, in the county of Stafford, Malleable Iron Founders, for an invention of "improvements in apparatus for clipping horses and other animals."—Dated 28th March, 1873.
1165. John Williams, of Chapel Hill Farm, near Bridgewater, in the county of Somerset, Farmer, for an invention of "improved apparatus for feeding sheep or other animals."—Dated 28th March, 1873.
1167. James Havenhand, Manager for Messrs. W. A. Tyzack and Co., Stella Works, Sheffield, in the county of York, for an invention of "a machine for cutting the teeth in sickles or reaping hooks, applicable also for cutting the teeth in reaping machine knives."—Dated 28th March, 1873.
1172. Albert Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for an invention of "improved apparatus for ascertaining the rise and fall of temperatures, also for indicating the presence and for arresting the spread of fires."—Communication to him from abroad by Professor Cavalier Carlo Grechi, of Siena, Tuscany, in the Kingdom of Italy.—Dated 29th March, 1873.
1173. Henry Preston Thorpe, of Elstree, in the county of Herts, Gentleman, for an invention of "improvements in the manufacture of artificial fuel."—Dated 29th March, 1873.
1177. George Kemp, of Railway-approach, London Bridge, in the county of Surrey, Gentleman, for an invention of "a new or improved artificial fuel."—Dated 29th March, 1873.
1178. Henry Highton, M.A., of Putney, in the county of Surrey, for an invention of "improvements in electric telegraphs, part of which improvements are applicable to the construction of induction coils."—Dated 29th March, 1873.
1179. George Frederick Lee Meakin, of No. 4, Martin's-lane, Cannon-street, in the city of London, for an invention of "improved methods of hanging sashes and shutters."—Dated 31st March, 1873.
1180. John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for an invention of "improvements in magnets."—Communicated to him from abroad by Hippolyte Fontaine, of Paris, in the Republic of France.—Dated 31st March, 1873.
1182. William Taylor and Henry Leach Wilson, both of Accrington, in the county of Lancaster, Machine Makers, for an invention of "improvements in wringing and mangling machines."—Dated 31st March, 1873.
1184. Edward Holden, of the firm of Isaac Holden and Sons, of Bradford, in the county of York, for an invention of "improvements in the treatment of wool and other fibres in the process of preparing."—Dated 31st March, 1873.
1186. Alfred Mortimer Job, of the city of London, Merchant, for the invention of "improvements in knife-cleaning boards and in parts to be employed in connection therewith."—Dated 31st March, 1873.
1187. Hugh Cochrane, of No. 29, George-street, Portman-square, in the county of Middlesex, for an invention of "improvements in the manufacture of table knives and forks."—Dated 31st March, 1873.
1189. Henry Marshall, of Kirton, near Boston, in the county of Lincoln, for an invention of "improvements in buckles or fasteners for straps."—Dated 31st March, 1873.
1191. Granville Hamilton Forbes, of Broughton Rectory, in the county of Northampton, Clerk, for an invention of "improvements in balls, bricks, or blocks to be used as fuel."—Dated 31st March, 1873.
1192. Harry John Steel and Richard Wheen Garland, of the Wharfedale Works, Sheffield, in the county of York, for an invention of "an improved construction of domestic stove for economizing the consumption of fuel and utilizing the heat thereof."—Dated 31st March, 1873.
1194. Robert Smellie, of Portobello, and John Vance, of Edinburgh, in the county of Mid Lothian, North Britain, for an invention of "improved self-acting railway signal apparatus."—Dated 1st April, 1873.
1195. William Beercoft, of Barrow-in-Furness, in the county of Lancaster, Iron Moulder, for an invention of "improvements in the construction of moulds for moulding metals, and in the combination of materials for the same."—Dated 1st April, 1873.
1196. Richard Jarrod Gay, of Blake-street, Stretford-road, Manchester, Manufacturing Chemist, for an invention of "improvements in the manufacture of artificial fuels."—Dated 1st April, 1873.
1197. Thomas Henry Sharpe, of Billesdon, in the county of Leicester, Pottery Manufacturer, for an invention of "improvements in apparatus for the moulding of clay and other plastic substances."—Dated 1st April, 1873.
1198. William Morrison and John Mitchell, both of Hadfield, in the county of Derby, for an invention of "improvements in self acting mules."—Dated 1st April, 1873.
1202. Francis Johnston and Richard Thomas Cotton, both of Blackburn, in the county of Lancaster, Cotton Manufacturers, for an invention of "improvements in looms for weaving."—Dated 1st April, 1873.
1203. William Mitchell, of Manchester, in the county of Lancaster, Engineer, for an invention of "improvements in utilizing the waste heat of smiths' fires, and in generating steam."—Dated 1st April, 1873.