

Middlesex, Patent Agent, praying for letters patent for the invention of "an improved apparatus for shearing or clipping sheep, horses, and other animals,"—a communication to him from abroad by Charles Scheidecker, residing at Paris, in the Republic of France,—was deposited and recorded in the Office of the Commissioners on the 21st day of February, 1873, and a complete specification accompanying such petition was at the same time filed in the said office.

Patent Law Amendment Act, 1852.

Office of the Commissioners of Patents for Inventions.

NOTICE is hereby given, that the petition of George Haseltine, of the "International Patent Office," Southampton-buildings, London, Doctor of Laws, praying for letters patent for the invention of "an improved mode of using steam for producing perfect combustion of fuel and consuming the smoke and inflammable gases from the same,"—a communication to him from abroad by Benjamin Franklin McCarty, Engineer, Pliny F. Olds, Engineer, and Franklin H. Mason, Gentleman, all of Cleveland, Ohio, United States of America,—was deposited and recorded in the Office of the Commissioners on the 22nd day of February, 1873, and a complete specification accompanying such petition was at the same time filed in the said office.

Patent Law Amendment Act, 1852.

Office of the Commissioners of Patents for Inventions.

NOTICE is hereby given, that provisional protection has been allowed—

3682. To Thomas Ivory, of Edinburgh, in the county of Mid Lothian, North Britain, Advocate, for the invention of "improvements in apparatus for heating and cooling liquids, which apparatus is applicable for generating and condensing steam and other vapours, and for distilling liquids."

On his petition, recorded in the Office of the Commissioners on the 5th day of December, 1872.

3942. To George Gulliver, of Barnsley, in the county of York, Ironmonger, for the invention of "improvements in spindles for locks, latches, and other fastenings."

On his petition, recorded in the Office of the Commissioners on the 28th day of December, 1872.

10. To John Gordon, of No. 3, Barnard's-inn, in the county of Middlesex, Gentleman, for the invention of "improvements in the manufacture of envelopes."

On his petition, recorded in the Office of the Commissioners on the 1st day of January, 1873.

140. To John Garrett Tongue, of the firm of Tongue and Birkbeck, Patent Agents, of 34, Southampton-buildings, Chancery-lane, in the county of Middlesex, for the invention of "improvements in imitation or composition slates, tablets, and other surfaces for writing, drawing, and marking upon."—A communication to him from abroad by Pierre Auguste Léon Suzanne, Merchant, of Paris, France.

On his petition, recorded in the Office of the Commissioners on the 13th day of January, 1873.

203. To Jacques Theodore Cardon-Wamain, Son, of Abbeville, Department of the Somme, in the

Republic of France, Manufacturer, for the invention of "improved machinery for bruising and rendering supple, breaking, and stripping hemp, flax, indian grass, and other textiles."

On his petition, recorded in the Office of the Commissioners on the 17th day of January, 1873.

264. To Edward Hale and Charles Matthews, both of the Albion Iron Works, Aspull, near Wigan, in the county of Lancaster, for the invention of "improvements in apparatus for rolling iron or other metals."

On their petition, recorded in the Office of the Commissioners, on the 23rd day of January, 1873.

291. To Thomas Stead, of Birmingham, in the county of Warwick, Carpenter, for the invention of "improvements in washing machines, and in washing and wringing machines combined."

On his petition, recorded in the Office of the Commissioners on the 24th day of January, 1873.

334. To Albert Marcius Silber, of Wood-street, Cheapside, in the city of London, Merchant, for the invention of "improvements in apparatus for lighting and heating purposes."

On his petition recorded in the Office of the Commissioners on the 28th day of January, 1873.

345. To Richard James Markham, residing at No. 132, Upper Kennington-lane, in the county of Surrey, for the invention of "improvements in wheels."

352. And to Spencer Smith, of No. 204, High Holborn, in the county of Middlesex, Engineer, for the invention of "improvements in apparatus for showing the number of passengers by public or other conveyances, and for enabling the amounts of their fares to be checked, which apparatus is applicable also for checking the attendances of workmen and others at workshops and other places."

On both their petitions, recorded in the Office of the Commissioners on the 29th day of January, 1873.

384. To William Foster, of the firm of John Foster and Son, of Black Dike Mills, Queensbury, near Bradford, in the county of York, Alpaca, Mohair, and Worsted Spinners and Manufacturers, for the invention of "improvements in or applicable to machinery or apparatus for preparing wool or other fibrous substances for combing or spinning."

On his petition, recorded in the Office of the Commissioners on the 31st day of January, 1873.

392. To Charles Gall, of Halifax, in the county of York, Engineer, for the invention of "improvements in steam boiler and other furnaces and apparatus connected therewith."

On his petition, recorded in the Office of the Commissioners on the 1st day of February, 1873.

407. To Ferdinand August Hermann Donath and Carl Erdmann Friedrich Jasper, both of Dresden, Saxony, for the invention of "improvements in the manufacture of cigars and in machinery and apparatus therefor."

On their petition, recorded in the Office of the Commissioners on the 3rd day of February, 1873.

428. To John Partridge Barnard, of Ebley, near Stroud, in the county of Gloucester, for the invention of "improvements in apparatus for preventing the falling of cages, skips, or appliances in the shafts or uptakes of pits, warehouses, and other places."

On his petition, recorded in the Office of the Commissioners on the 5th day of February, 1873.