

for separating tin from tinner's waste,"—a communication to him from abroad by Pierre De Peyster Ricketts, of the city and State of New York, United States of America, Mining Engineer,—was deposited and recorded in the Office of the Commissioners on the 10th day of December, 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
4072. Inventions.

NOTICE is hereby given, that the petition of Alexander Browne, of the firm of Browne and Company, Patent Agents, of 5, Southampton-buildings, Holborn, in the county of Middlesex, praying for letters patent for the invention of "an improved lubricator,"—a communication to him from abroad by Isidore Dreyfus, of New York, in the United States of America,—was deposited and recorded in the Office of the Commissioners on the 10th day of December, 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
4095. Inventions.

NOTICE is hereby given, that the petition of Samuel James Ditchfield, of Seaham Harbour, in the county of Durham, Coal Fitter, George Watson, of the same place, Oil Manufacturer, and John Childs, of Seaham Harbour aforesaid, Engineer, praying for letters patent for the invention of "improvements in the construction of heating apparatus, and in the application of hydro-carbon or other volatile oils or spirits for heating purposes and generating steam," was deposited and recorded in the Office of the Commissioners on the 12th day of December, 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
4102. Inventions.

NOTICE is hereby given, that the petition of John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, praying for letters patent for the invention of "improvements in machinery and tools for cutting, turning, moulding, sawing, and polishing stone,"—a communication to him from abroad by Herbert Cottrell, of the city of Newark and State of New Jersey, United States of America,—was deposited and recorded in the Office of the Commissioners on the 13th day of December, 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
4113. 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 "improvements in implements for cutting, gripping, punching, and similar purposes,"—a communication to him from abroad by James Lindsay, of the city and State of New York,

No. 24046.

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United States of America,—was deposited and recorded in the Office of the Commissioners on the 13th day of December, 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—

3324. To John Edwin Sherman, of Bucksport, in the State of Maine, United States of America, but at present residing at Norbiton Hall, in the county of Surrey, for the invention of "improvements in the manufacture or production of iron and of cast-iron."

On his petition, recorded in the Office of the Commissioners on the 14th day of October, 1873.

3446. To Thomas Dentith, of Manchester, in the county of Lancaster, Manufacturing Chemist, for the invention of "improvements in producing or preparing indigo blue-dye."

On his petition, recorded in the Office of the Commissioners on the 23rd day of October, 1873.

3504. To Sandford Thomas Pomeroy, of the city and State of New York, United States of America, now of No. 8, Southampton-buildings, London, for the invention of "an improved finger-guard and rest for pens or pen-holders."

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

3538. To Henry Tomlin, of No. 5, Pellatt-road, Lordship-lane, Dulwich, in the county of Surry, Joiner, for the invention of "improvements in railway crossings."

On his petition, recorded in the Office of the Commissioners on the 30th day of October, 1873.

3642. To William James Martin, of Bradford, in the county of York, Clerk, for the invention of "improvements in seats and desks for schools."

On his petition, recorded in the Office of the Commissioners on the 8th day of November, 1873.

3662. To Samuel Howard, of 37, London-road, Luton, Bedfordshire, Straw Hat Manufacturer, for the invention of "improvements in the ornamentation of straw hats and bonnets and other coverings for the head, and in the apparatus employed therein."

On his petition, recorded in the Office of the Commissioners on the 11th day of November, 1873.

3724. To John Henry Johnson of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, for the invention of "improvements in apparatus for propelling on rail and tramways, and in breaks for the same, parts of which improvements are applicable to the raising and lowering of cages in mine shafts."—A communication to him from abroad by Thomas Melchiorre Agudio, and the firm of Carl and Company, all of Paris, in the Republic of France.

On his petition, recorded in the Office of the Commissioners on the 15th day of November, 1873.

3766. To Samuel Howarth, Ralph Howarth, and George Howarth, all of Rochdale, in the county of Lancaster, Corn Millers, for the invention of "a new method of making paper."

3781. To William White, of 30, Thurlow-road, Hampstead, in the county of Middlesex, for the invention of "improvements in the precipitation of sewage and other foul waters, and in the preparation of precipitating materials."