

Patent Law Amendment Act, 1852.

Office of the Commissioners of Patents for
Inventions.

NOTICE is hereby given, that the petition of William Andrews, of Lisbon, county of Androscoggin, State of Maine, United States of America, Mechanic, praying for letters patent for the invention of "improvements in water gauges or stop valves," was deposited and recorded in the Office of the Commissioners on the 11th day of December, 1876, and a complete specification accompanying such petition was at the same time filed in the said office.

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Inventions.

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

4138. To Henry Thomas Davis, of No. 20, Brindley-street, Lewisham High-road, in the county of Kent, Engineer, for the invention of "improvements in the means of or apparatus for oiling or lubricating the axle boxes of roller skates, and such other parts as may require oiling, and which said invention may be applied for oiling purposes to other articles."

4144. And to Joseph Richardson Turtle Mulholland and William Mulholland Porter, of Belfast, in the county of Antrim, Ireland, for the invention of "improvements in winding machines for making pirns or cops."

On both their petitions, recorded in the Office of the Commissioners on the 25th day of October, 1876.

4202. To Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "a system of coupled and articulated waggons, carriages, and motors."—A communication to him from abroad by Leon Dathis, of Paris, France.

On his petition, recorded in the Office of the Commissioners on the 30th day of October, 1876.

4330. To Tito Visino, of Hill-street, Brompton, in the county of Middlesex, for the invention of "improved means and appliances for ascertaining and recording the speed and direction or movement (latitude and longitude) of a vessel."

On his petition, recorded in the Office of the Commissioners on the 9th day of November, 1876.

4352. To Isidor Frankenburg, of Manchester, in the county of Lancaster, Manufacturer of Leather Goods, for the invention of "improvements in the construction of buckles and straps or belts."

On his petition, recorded in the Office of the Commissioners on the 10th day of November, 1876.

4406. To John Morgan Richards, of Great Russell-st.-buildings, Great Russell-street, London, for the invention of "improvements in valved nozzles for bottle stoppers."—A communication to him from abroad by Elias B. Requa and Joseph Coristodor, of New York, U.S.

4408. To Joseph Harrison Adams, of Fulham-road, in the county of Middlesex, Engineer, for the invention of "improvements in the construction of steam boilers or generators, and in tubes for the same."

4410. To William Spence, of 8, Quality-court, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "an anti-

tartaric lubricant."—A communication to him from abroad by Isaac Bernhard, of Paris, France, Merchant.

4412. And to William Frederick Beart, of Arlesey Siding, Baldock, in the county of Hertford, for the invention of "improvements in drying sheds and apparatus for drying bricks."

On their several petitions, recorded in the Office of the Commissioners on the 14th day of November, 1876.

4416. To John Wood, of Dumfries, in the county of Dumfries, North Britain, Surgeon Dentist, for the invention of "improvements in taking impressions or casts of the mouth for use in making artificial teeth, and in apparatus for the same and other dental operations."

4418. To Gerard Wenzeslaus von Nawrocki, of the firm of J. Brandt and G. W. v. Nawrocki, of Berlin, in the German Empire, for the invention of "improvements in apparatus for the manufacture of concentrated sulphuric acid and other mineral acids."—A communication to him from Ludwig Brumleu, of Berlin, in the German Empire.

4420. To Gerard Wenzeslaus von Nawrocki, of the firm of J. Brandt and G. W. v. Nawrocki, of Berlin, in the German Empire, for the invention of "improvements in the manufacture of sugar in connection with the so-called extractors, and in apparatus therefor."—A communication to him from Ernst Körting, of Hanover, in the German Empire.

4426. And to Clement Roswag, of Paris, in the Republic of France, Mining Engineer, and Hamilton Geary, of Fairlawn, Old Charlton, in the county of Kent, Captain, Royal Artillery, for the invention of "improvements in the treatment of impure lead, and of the products obtained therefrom."

On their several petitions, recorded in the Office of the Commissioners on the 15th day of November, 1876.

4428. To Julien François Belleville, of Paris, Civil Engineer, for the invention of "a system of inexplusive steam generator."

4430. To Frederick John Rowan, of Glasgow, in the county of Lanark, North Britain, Engineer, for the invention of "improvements in steam engines and boilers."

4432. To Robert George Burrell, of Thetford, in the county of Norfolk, Engineer and Ironfounder, carrying on business at Thetford aforesaid, with Charles Burrell the elder, and Charles Burrell the younger, as Engineers and Ironfounders, under the style or firm of Charles Burrell and Sons, for the invention of "improvements in self-propelling or locomotive engines."

4434. To Frederick Stanfield, of Malpas-road, Lewisham High-road, in the county of Kent, for the invention of "improvements in tobacco pipes and cigar holders."

4436. To Richard Timperley, Printer and Stationer, and Robert Thomas Gillibrand, Cotton Manufacturer, both of Darwen, in the county of Lancaster, for the invention of "improvements in printing machinery."

4438. To William Hamer, of Northwich, in the county of Chester, for the invention of "improvements in ball valves for water cistern supply and other fluid supply purposes."

4440. To Thomas Hattersley, of Leeds, in the county of York, Spindle Manufacturer, for the invention of "an improved manufacture of tube-roving flyers."