

Patent Law Amendment Act, 1852.

Office of the Commissioners of Patents for
Inventions.

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

3029. To Allen Ransome, of King's-road, Chelsea, in the county of Middlesex, Engineer, for the invention of "improvements in machinery for cutting and shaping wood."

On his petition, recorded in the Office of the Commissioners on the 18th day of November, 1870.

3129. To Robert Sinclair, of Glasgow, in the county of Lanark, North Britain, Engineer, for the invention of "improvements in apparatus for injecting or otherwise propelling liquids."

On his petition, recorded in the Office of the Commissioners on the 29th day of November, 1870.

3241. To John Boyns, of St. Just, in the county of Cornwall, for the invention of "improvements in dressing, crushing, and amalgamating metallic ores, and in apparatus employed for these purposes."

On his petition, recorded in the Office of the Commissioners on the 10th day of December, 1870.

3281. To Thomas Day, of Worcester, in the county of Worcester, Iron Merchant, for the invention of "improvements in iron fencing."

3285. And to Benjamin William Rogers, of Smethwick, in the county of Stafford, Machinist, for the invention of "improvements in machinery for screwing bolts."

On both their petitions, recorded in the Office of the Commissioners on the 15th day of December, 1870.

3291. To Samuel Bartlemore Birtill, of Manchester, in the county of Lancaster, for the invention of "an improvement in the manufacture of felted cloth."

3293. To Matthew Mirfield, of Holme-lane Mills, Tong, near Bradford, in the county of York, Worsted Top Maker, and John Scott, of the same place, Overlooker, for the invention of "improvements in machinery or apparatus for combing wool or other fibrous substances."

3295. And to Julius Frederick Moore Pollock, of Leopold-street, Leeds, in the county of York, Engineer, for the invention of "improvements in machinery or apparatus for breaking, crushing, and pulverizing cement and other substances."

On their several petitions, recorded in the Office of the Commissioners on the 16th day of December, 1870.

3297. To Robert Baird, of Greenock, in the county of Renfrew, North Britain, Ship Builder, for the invention of "improvements in punching and shearing apparatus."

3303. To Henry Jones, junr., of 22, Albion-street, Hyde-park, and Warren William De La Rue, of Bunhill-row, in the city of London, for the invention of "improvements in Whis'markers."

3305. And to Samuel Cunliffe Lister, of Bradford, in the county of York, Manufacturer, for the invention of "improvements in looms for weaving narrow fabrics."

On their several petitions, recorded in the Office of the Commissioners on the 17th day of December, 1870.

3307. To Giacomo Eduardo Marchisio, of Baker-street, Portman-square, in the county of Middlesex, and Hugh Bulkeley Price and John Eliot Hodgkin, both of Liverpool, in the county of Lancaster, for the invention of "improvements in the process of extracting oil from olives or olive-cakes, and in machinery to be employed therefor."

3309. To Alexander Charles Moffatt, of Princes-street, Leicester-square, in the county of Middlesex, for the invention of "improvements in apparatus for regulating the motion and action of door springs."

3311. To Frederick Hawley, of Manchester, in the county of Lancaster, Gentleman, for the invention of "improvements in apparatus for coupling and disconnecting railway carriages and trucks."

3315. To Robert Russell, of Liverpool, in the county of Lancaster, for the invention of "improvements in filters and the fittings connected therewith."

3319. And to Archibald Sandeman, of Tulloch, in the county of Perth, North Britain, for the invention of "a mode or modes of, and apparatus for, folding longitudinally, and changing the planes of motion of travelling sheets or webs, which improvements are partly applicable to the driving belts of skewed pulleys."

On their several petitions, recorded in the Office of the Commissioners on the 19th day of December, 1870.

3320. To William Wemyss Kennedy, of Edinburgh, in the county of Mid Lothian, North Britain, for the invention of "improvements in sewing machines."

3321. To Louis Mariotti, of Sursée, in the Canton of Lucerne, Switzerland, Merchant, for the invention of "improvements in the method or process of preserving meat and fish."

3322. To John Hargrave, of Heaton Norris, in the county of Lancaster, for the invention of "improvements in railway signals."

3323. To John Reid, Engineer and Manager of the Edinburgh and Leith Gas Light Company, of Leith, in the county of Midlothian, North Britain, for the invention of "an improved liquid meter."

3324. To Robert Tooth, of Hatcham, in the county of Kent, Gentleman, for the invention of "improvements in the mode of condensing saccharine juices, and in apparatus to be employed therein, which apparatus is applicable to evaporating other liquids."

3325. To Albert Marcus Silber, of Wood-street, Cheapside, in the city of London, Merchant, for the invention of "improvements in apparatus for lighting and heating purposes."

3326. To Frank William Haddan, of 41, Treherne-road, Brixton, in the county of Surrey, Civil Engineer, for the invention of "improvements in ships of war and in the working of large guns."

3327. To James Hunter, of Coltness Iron Works, in the county of Lanark, North Britain, for the invention of "improvements in blast furnaces and in the employment of the waste gases thereof."

3328. And to Jacob Geoghegan Willans, of No. 9, Saint Stephen's-crescent, in the parish of Paddington, for the invention of "improvements in furnaces."

On their several petitions, recorded in the Office of the Commissioners on the 20th day of December, 1870.