

## Patent Law Amendment Act, 1852.

Office of the Commissioners of Patents for  
2808. Inventions.

**N**OTICE is hereby given, that the petition of William Robert Lake, of the "International Patent Office," No. 8, Southampton-buildings, Chancery-lane, in the county of Middlesex, Consulting Engineer, praying for letters patent for the invention of "improvements in machinery for making bolts,"—a communication to him from abroad by Abram Alexander, of Pittsburgh, Pennsylvania, United States of America,"—was deposited and recorded in the Office of the Commissioners on the 5th day of October, 1867, 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.

**N**OTICE is hereby given, that provisional protection has been allowed—

1610. To Tony Petitjean, of No. 4, Brydges-street, in the county of Middlesex, Chemist, for the invention of "a new means for procuring the more perfect combustion in the burning of fuel."

On his petition, recorded in the Office of the Commissioners on the 30th day of May, 1867.

2071. To James Lee Norton, of Belle Sauvage-yard, Ludgate-hill, in the city of London, for the invention of "improvements in apparatus for drying grain, seeds, malt, spent hops, brewers' and distillers' grains, hops, wool, rags, and other materials."

On his petition, recorded in the Office of the Commissioners on the 13th day of July, 1867.

2397. To John Goucher, of Church-walk Iron Works, Worksop, in the county of Nottingham, Engineer, Ironfounder, and Machinist, for the invention of "improvements in an apparatus for preserving life in water, and propelling, floating, or manœuvring in water any body, vessel, or mechanical contrivance, and for floating or manœuvring in the air any mechanical contrivance."

On his petition, recorded in the Office of the Commissioners on the 21st day of August, 1867.

2569. To Edward Kenworthy Dutton, of Manchester, in the county of Lancaster, Consulting Engineer, and Sam Mason, junior, of the same place, Machinery Agent, for the invention of "improvements in the bearings of 'hydro-extractors,' and in the method of supplying lubricating matter to the same, applicable also to the lubricating of the bearings of other machinery."

2571. To William Baker, of Tipton, in the county of Stafford, Puddler and Ball Furnace Man, for the invention of "improvements in the manufacture of iron and in furnaces used in the manufacture of iron."

2575. To Joseph Davies, of Bowdon, in the county of Chester, Salt Proprietor, for the invention of "improvements in apparatus used in the manufacture of salt."

2577. To Henry Richards Lückes, of Coleford, in the county of Gloucester, Gentleman, for the invention of "the manufacture of artificial or compressed fuel in the treatment of coal, peat, charcoal, tan, sawdust, and woody fibre, whereby those substances, either together or separately, can be utilized when in a state of powder or minute division, and converted into a serviceable fuel."

No. 23309.

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2579. And to William Edward Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Civil Engineer, for the invention of "improvements in saws."—A communication to him from abroad by James Ezekiel Emerson, of Trenton, State of New Jersey, United States of America.

On their several petitions, recorded in the Office of the Commissioners on the 11th day of September, 1867.

2581. To John Balfour Meldrum, of New Jersey, United States of America, but at present residing at Dundee, in the county of Forfar, North Britain, for the invention of "improvements in printing textile fabrics."

2583. To James Wilderspin, of Elsworth, in the county of Cambridge, Agricultural Implement Manufacturer, for the invention of "improvements in the construction of horse-rakes."

2585. To John William Haltpenny, of Aldersgate-street, in the city of London, Importer, for the invention of "improvements in tobacco pipes."

2587. And to Joseph Rock Cooper, of Birmingham, in the county of Warwick, Gun Manufacturer, for the invention of "improvements in breech loading fire arms."

On their several petitions, recorded in the Office of the Commissioners, on the 12th day of September, 1867.

2589. To Hermon Symons, of Dulwich in the county of Surrey, Hardware Agent and Manufacturer, for the invention of "improvements in fire guards and fire screens."

2591. To James Reid, of the firm of Neilson and Company, of Glasgow, in the county of Lanark, North Britain, Engineer, for the invention of "improvements in apparatus for finishing parts of locomotive wheels."

2593. To William Tothergill Batho, of Birmingham, in the county of Warwick, Mechanical Engineer, for the invention of "improvements in apparatus for heating, evaporating, and cooling liquids."

2595. To James Murdoch Napier, of York-road, Lambeth, in the county of Surrey, for the invention of "improvements in wine glasses and in stands or holders for the same."

2597. And to William Whitehead, of Dartford Print Works, Dartford, in the county of Kent, for the invention of "improvements in printing fabrics or in producing patterns thereon."

On their several petitions, recorded in the Office of the Commissioners on the 13th day of September, 1867.

2599. To Walter Gale Brownson, of Wellsville, in the State of Ohio, and United States of America, Electrician, for the invention of "improvements in telegraphic apparatus relating especially to telegraphic 'relays,' 'repeaters,' and 'commutators.'"

2601. And to Joshua Antill, of York-road, Wandsworth, George Grimes, Commercial-road, Lambeth, both in the county of Surrey, Plasterers, Henry Charles Tunks, Christchurch-street, Chelsea, county of Middlesex, Modeller, for the invention of "improvements in the construction of cores used in casting metallic pipes or tubes of a curved or cyphon form."

On both their petitions, recorded in the Office of the Commissioners on the 14th day of September, 1867.

2605. To Percy Crause, of 33, Dorset-place, Dorset-square, in the county of Middlesex, Gentleman, for the invention of "improvements in propelling boats, ships, and other vessels."