

59. To William Welch, of No. 27, King-street, Southsea, Portsmouth, in the county of Hants, for the invention of improvements in mechanical apparatus for propelling, navigating, and governing ships and other projectile bodies, applicable also to ventilation."

On his petition, recorded in the Office of the Commissioners on the 12th day of January, 1864.

182. To Thomas Charles Clarkson, of 56, Stamford-street, Blackfriars-road, in the county of Surrey, Manufacturer, for the invention of "improvements in ordnance, and in applying certain cylinders and tubes for forming projectiles and recoil springs, which improvements are applicable for forming vessels for war and pillars in deep water."

On his petition, recorded in the Office of the Commissioners on the 23rd day of January, 1864.

227. To James Young, of 19, Bucklersbury, in the city of London, Gentleman, and Alexander Carnegie Kirk, of Bathgate, in the county of Linlithgow, North Britain, Engineer, for the invention of "improvements in motive-power engines."

On their petition, recorded in the Office of the Commissioners on the 27th day of January, 1864.

341. To Brereton Todd, of Stratton-villa, Falmouth, in the county of Cornwall, Gentleman, for the invention of "improvements in compositions to be used to prevent the oxidation of iron, the fouling of ships bottoms and other submerged things, and also preserving wood from decay and worms."

On his petition, recorded in the Office of the Commissioners on the 9th day of February, 1864.

354. To William Hawthorn, of the borough and county of Newcastle-upon-Tyne, Engineer, for the invention of "improvements in joints for pipes, tubes, and hollow vessels."

On his petition, recorded in the Office of the Commissioners on the 10th day of February, 1864.

577. To Hugh Greaves, of Abingdon-street, in the city of Westminster, Civil Engineer, for the invention of "improvements in constructing and unloading wagons used on railways and tramways, parts of which improvements are applicable also to other like purposes."

On his petition, recorded in the Office of the Commissioners on the 8th day of March, 1864.

698. To Ferdinand Dancart, of 82, Boulevard Sebastopol, Paris, in the Empire of France, Watch Maker, for the invention of "improvements in brakes for railway carriages."

On his petition, recorded in the Office of the Commissioners on the 18th day of March, 1864.

718. To John Morgan, of Stephen's Green, Dublin, F.R.C.S.L., Professor of Anatomy, R.C.S.L., for the invention of "improvements in the preservation of animal and vegetable substances and in the fluids to be employed therein."

On his petition, recorded in the Office of the Commissioners on the 21st day of March, 1864.

781. To William Arthur, of Atherington, in the county of Devon, Commander in the Royal Navy, for the invention of "an improvement in compasses."

On his petition, recorded in the Office of the Commissioners on the 29th day of March, 1864.

791. To Thomas James Smith, of Twickenham, in the county of Middlesex, for the invention of

"improvements in the purification, distillation, rectification, evaporation, condensation, concentration, and oxygenation of spirits and spirituous liquors, and in the apparatus employed therein, and in raising and forcing the same, parts of which are applicable to the manufacture of vinegar, to the raising and forcing of liquids, to the heating, cooling, and oxygenating of beers and liquids, and to the construction of chimneys."—A communication to him from abroad by François Haecck, of Brussels, Belgium.

On his petition, recorded in the Office of the Commissioners on the 30th day of March, 1864.

823. To John Walker, of the City-road, in the county of Middlesex, Engineer, for the invention of "improvements in working guns, and matters relating thereto."

On his petition, recorded in the Office of the Commissioners on the 2nd day of April, 1864.

841. To Stephen Martin the younger, of Sheffield, in the county of York, Iron Merchant, and Edward Young, of Oughtibridge, near Sheffield aforesaid, Fire Brick Manufacturer, for the invention of "improvements in the manufacture and application of fire resisting cements and materials."

On their petition, recorded in the Office of the Commissioners on the 5th day of April, 1864.

866. To William Hill, of Aston, near Birmingham, in the county of Warwick, Gun-Finisher, for the invention of "improvements in breech loading fire arms."

868. To Carl Johan Laurence Leffler, of Broadstreet-buildings, in the city of London, Gentleman, for the invention of "improved apparatus for grinding or pulverizing minerals and other substances, and mixing or amalgamating the same with oleaginous and other liquids."

872. To Henri Adrien Bonneville, Patent Agent, of the British and Foreign Patent Offices, 24, Rue du Mont Thabor, Paris, in the Empire of France, and 38, Porchester-terrace, Bayswater, in the county of Middlesex, for the invention of "improvements in apparatus for cleaning tubular steam boilers."—A communication from Eugene Petry Chaudoir, a person residing at Liege, in the Kingdom of Belgium.

874. To Arthur Rigg, junior, of the city of Chester, Engineer, for the invention of "improvements in apparatus for propelling vessels."

876. And to Joseph Shuniman Richardson, of Waterford, Ireland, for the invention of "improvements in preparing the carcasses of pigs and other animals for curing."

On their several petitions, recorded in the Office of the Commissioners on the 7th day of April, 1864.

878. To David Moseley, of the Chapel Field Works, Ardwick, in the city of Manchester, Manufacturer of India Rubber and Gutta Percha, for the invention of "improvements in the manufacture of cloths composed of woven or felted fabrics, or fibrous substances combined with india rubber, gutta percha, or balata, or any of their compounds."

880. To Charles Augustus Ferguson the younger and Thomas Ferguson, of Millwall, Poplar, Gun Carriage Manufacturers, for the invention of "improvements in apparatus for checking the recoil of gun carriages."

883. To Francis Cornelius Goodwin, of Liverpool, Doctor of Medicine, for the invention of "certain improvements in 'sights' for small arms and ordnance."