

screw rivets and for uniting with them parts of boots, shoes, portmanteaus, leather hose, buckets, harness, and other leathern articles."

As set forth in his petition, recorded in the said office on the 10th day of November, 1858.

2528. And John Blethyn, of Swansea, in the county of Glamorgan, Engineer, has given the like notice in respect of the invention of "improvements in the manufacture of fuel."

2536. And Arthur Mickelthwate, of Sheffield, in the county of York, has given the like notice in respect of the invention of "improvements in treating and manufacturing buffalo and other horn, so as to be used as a substitute for whale-bone, and for other useful purposes."

As set forth in their respective petitions, both recorded in the said office on the 11th day of November, 1858.

2542. And George Tomlinson Bousfield, of Loughborough Park, Brixton, in the county of Surrey, has given the like notice in respect of the invention of "an improved apparatus for illustrating conic sections, and the lines of the globe."—A communication.

As set forth in his petition, recorded in the said office on the 12th day of November, 1858.

2548. And James Taylor, of Birkenhead, Engineer, has given the like notice in respect of the invention of "improvements in portable steam engines."

2551. And Louis Petre, of Hatton-garden, in the county of Middlesex, Glass Silverer, has given the like notice in respect of the invention of "improvements in the application of glass to ornamental and useful purposes."

2555. And Alonzo Buonaparte Woodcock and John Macmillan Dunlop, both of Manchester, have given the like notice in respect of the invention of "improvements in covering rollers, shafts, and tubes, of any figure or material, with elastic shells or covers of vulcanized india rubber, or other elastic substance, and in turning or grinding the surfaces of such elastic covers or shells."

2556. And Daniel Frodsham, of Rose-cottage, Gurney-road, Stratford, in the county of Essex, has given the like notice in respect of the invention of "improvements in apparatus used in combination with fire boxes of tubular steam boilers, in order to supply air and steam thereto."

2557. And Matthew Pullan, of Horsforth, near Leeds, in the county of York, Bleacher, has given the like notice in respect of the invention of "improvements in machinery for drying yarns and other materials."

2558. And John Addy Hopkinson, of Huddersfield, in the county of York, Engineer, has given the like notice in respect of the invention of "improvements in steam boilers."

As set forth in their respective petitions, all recorded in the said office on the 13th day of November, 1858.

2564. And William George Armstrong, of the borough and county of Newcastle-on-Tyne, Civil Engineer, has given the like notice in respect of the invention of "improvements in the manufacture of ordnance."

2568. And John Golding Bunting, of the city of Saint John, in the province of New Brunswick, in British North America, but at present at the Office for Patents, 4, Trafalgar-square, Charing Cross, in the county of Middlesex, has given the like notice in respect of the invention of "a mechanical horse-tamer or brake."

As set forth in their respective petitions, both

recorded in the said office on the 15th day of November, 1858.

2571. And Joseph Constant Boisseau of Chateaulerault, in the French Empire, Engineer, has given the like notice in respect of the invention of "an improved horse-mill or gear."

2572. And Alfred Isidore Honoré Parent, of Paris, in the French Empire, Manufacturer, has given the like notice in respect of the invention of "an improved manufacture of buttons, and the apparatus employed therein."

2575. And Charles James Clowes Perry, of Williamstown, in the Colony of Victoria, Member of the Legislative Assembly, has given the like notice in respect of the invention of "an instrument to be used chiefly on board ship for approximating in certain cases the course of an approaching vessel, either in the day or night, and the relative angle of both ships' courses, in order to avoid a collision, to be called 'Perry's Anti-collision Dial.'"

2578. And Alexandre Martin Bruère, of Paris, in the Empire of France, Gentleman, has given the like notice in respect of the invention of "the novel application of hydrogen gas to various purposes in the arts."

As set forth in their respective petitions, all recorded in the said office, on the 16th day of November, 1858.

2584. And Joseph Henry Tuck, of Great George street, Westminster, in the county of Middlesex, Civil Engineer, has given the like notice in respect of the invention of "improvements in the mode of laying and securing telegraphic cables, and in apparatus for the same, and for carrying on other operations under water."

2586. And Edward Welch, of No. 63, Saint John's-square, Clerkenwell, Tobacco Manufacturer, has given the like notice in respect of the invention of "improvements in the manufacture of tobacco, and in apparatus therefor."

2587. And John Robertson, of Saint Ninians, in the county of Stirling, North Britain, Gentleman, has given the like notice in respect of the invention of "improvements in musical instruments."

2588. And Michael Scott, of No. 3, Stanhope-terrace, Hyde Park-gardens, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in the construction of breakwaters, parts of which are applicable in making other structures."

2591. And John Brennand, of Manchester, in the county of Lancaster, Calico Printer, has given the like notice in respect of the invention of "an improvement in ploughs, and in other agricultural implements, and in the method of driving the same."

As set forth in their respective petitions, all recorded in the said office on the 17th day of November, 1858.

2601. And Sir Charles Tilston Bright, of Harrow Weald, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in insulators, and an improved mode of connecting insulators to posts and other supports."

2604. And John Leslie, of Conduit-street, Saint George's Hanover-square, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in the manufacture of gas."

As set forth in their respective petitions, both recorded in the said office on the 18th day of November, 1858.