· 2444. To Joao Simoes Corrêa, of the Island of Terceira, one of the Azores, temporarily residing at Tolmers-square, in the county of Middlesex, for the invention of "improvements in apparatus for the propulsion of vessels."

2446. To Joseph Firth, of St. John's, Dewsbury, in the county of York, Builder, for the invention of "improvements in kilns for burning

bricks and other articles."

2447. And to Joseph Firth, of St. John's, Dewsbury, in the county of York, Builder, for the invention of "improvements in apparatus used for heating steam boilers."

On their several petitions, recorded in the Office of the Commissioners, on the 13th day of June,

1876.

2448. To Charles Frederick Wood, of Birmingham, in the county of Warwick, Machinist, for the invention of "a new construction of portable skating rink, parts of which are also applicable to permanent rinks now existing or may be con-

2449. To Joseph Robinson, of 28, Oxford-street, Swansea, in the county of Glamorgan, for the invention of "a new or improved construction and combination of a pianoforte and harmonium

or other reed instrument."

2450. To Frederick William Gerhard, of Coseley, in the county of Stafford, Metallurgical Chemist, for the invention of "improvements in the manufacture of iron and steel, and for the pre-

vention of waste in its production."

2452. To John Louis Guanziroli, of the firm of E. Cetti and Company, Barometer Makers, of Brooke-street, Holborn, in the county of Mid-dlesex, for the invention of "improvements in hydrometers, salinometers, and other similar instruments."

2454. To William Walker, of Shipley, near Bradford, in the county of York, Mason, for the invention of "improvements in stoppers applicable to ordinary bottles, or other similar

articles.

2456. To Edward Griffith Brewer, of Chancerylane, London, for the invention of "improvements in moulding and apparatus therefor."-A communication to him from abroad, by George Woolnough and Friedrich Dehne, both of Halberstadt, in Germany.

2458. To Wilfred Cammack and Robert Cammack, both of Ormskirk, in the county of Lancaster, Watchmakers and Jewellers, for the invention of "improvements in dress fasten-

ings."

2460. To Samuel Clough, of Sutton Mill, Crosshills, in the county of York, for the invention

of "improvements in shuttles.

2462. To Thomas Henry Mann, of Brewer-street, Golden-square, London, in the county of Mid-dlesex, for the invention of "an improved buckle or fastening for straps and bands."

2464. To William Henry Olver, of Liverpool, in the county of Lancaster, for the invention of "an improved toggle latchet or fastener for bending ships' sails to their yards or stays, also applicable for fastening tarpaulins, tents, and for various other purposes."

2466. To Thomas Henry Rees, of Newport, Monmouthshire, for the invention of "a new or improved method of producing ornamental designs on metal plates."

2468. To Pryse Protheroe, of Surbiton, in the county of Surrey, for the invention of "improvements in anchors and means for sinking Le same."

2470. To George Jennings, of Palace Wharf, Stangate, in the county of Surrey, and George

Anderson, of Great George-street, in the city of Westminster, for the invention of "improvements in appliances for the propagation and

preservation of oysters."

2472. And to Thomas Howard Blamires, of Huddersfield, in the county of York, for the invention of "new or improved means and apparatus for automatically opening and closing taps, valves, ventilators, and other similar purposes. On their several petitions, recorded in the Office of the Commissioners on the 14th day of June, 1876.

2474. To Frederick Smith, Licensed Victualler, of the "Green Dragon," 123, Well-street, South Hackney, in the county of Middlesex, for the invention of "an improved union or coupling, for the connection of metal or other pipes, cocks, or valves.

2476. To Christian Dietrich Ernst Kramme, of Berlin, Prussia, in the Empire of Germany, for the invention of "improvements in suspending

gasaliers, chandeliers, and other lamps. 2478. To John McNeil, of Glasgow, in the county of Lanark, North Britain, Engineer, for the invention of "improvements in turning lathes, and applicable to other machine tools."

2480. To Pierre Joannès, of Rue Sainte, 52, Marseilles, France, for the invention of "a machine for corrugating, fluting, or indenting iron wire not annealed, for the manufacture of diamond shaped lattice or trellis work.'

82. To William McDonnell and Charles McDonnell, both of the city and county of 2482. To Limerick, Ireland, for the invention of "improvements in treating and packing butter and lard, and in the mode of and apparatus for keeping the same cool, which latter improvements are partly applicable to cooling purposes generally.'

2484. To James William Grayson, of Leeds, in the county of York, for the invention of "improvements in friction clutches and friction pulleys."—A communication to him from abroad by Charles Henry Addyman, of the city and State of New York, United States of America.

2485. To Henry George Youard, of Blackburn, in the county of Lancaster, Clerk in Holy Orders, for the invention of "improved apparatus for cutting the edges and applying paste to the back of paper for wall hangings and other purposes."

2486. To Sivert Hjerleid, of Middlesborough-on-Tees, in the county of York, Engineer, for the invention of "improvements in the construction of apparatus to be employed in the manufacture of sulphate of soda and other similar chemical products and in the methods of charging and discharging the same."

2490. To Stephen Joseph James Kelly, of Gray's-inn-road, in the county of Middlesex, for the invention of "improvements in producing letters or other devices or designs upon

glass.

2492. And to Edward Samuel Ritchie, of Brooklyn, Massachusetts, United States of America, now of No. 8, Southampton-buildings, London, for the invention of "improvements in the cards and magnets of mariner's compasses.

On their several petitions, recorded in the Office of the Commissioners on the 15th day of June,

1876.

2494. To William Wiltshire, of Ashford, in the county of Kent, for the invention of "improvements in the construction and arrangements of apparatus for simultaneously fastening the doors of railway carriages."