

date, for a time to be fixed for hearing the matter of the said petition; and that on or before the said 19th day of April, notice must be given of any opposition intended to be made to the said petition, and any person intending to oppose the said application must lodge a caveat to that effect at the Council Office on or before that date.

Dated this 13th day of March, 1871.

Woodbridge and Sons, of No. 8, Clifford's-inn, London, Solicitors for the above-named Petitioner.

Patent Law Amendment Act, 1852.

Office of the Commissioners of Patents for Inventions.

NOTICE is hereby given, that—

2873. Robert Walker, of Sunderland, in the county of Durham, Patent Gas Coal Manufacturer, has given notice at the Office of the Commissioners of his intention to proceed with his application for letters patent for the invention of "improvements in the manufacture of artificial fuel."

As set forth in his petition, recorded in the said office on the 1st day of November, 1870.

2882. And Alexander McNeile and James Slater, both of No. 26, John-street, Pentonville-road, in the county of Middlesex, Engineers, have given the like notice in respect of the invention of "improvements in the wheels of vehicles to run on common roads."

As set forth in their petition, recorded in the said office on the 2nd day of November, 1870.

2906. And Thomas Arthur Dillon, of the city of Dublin, Ireland, has given the like notice in respect of the invention of "improved methods of, and apparatus for, utilising the waste and spare or live steam, waste and spare heat, and waste and spare momentum of locomotive and other steam engines."

As set forth in his petition, recorded in the said office on the 3rd day of November, 1870.

2910. And Thomas Richardson, John William Richardson, and Adam Spencer, all of West Hartlepool, in the county of Durham, Iron Masters, have given the like notice in respect of the invention of "improvements in the manufacture of rails."

2918. And Charles William Meiter and Thomas William Smith, both of 85, Gracechurch-street, in the city of London, have given the like notice in respect of the invention or "an improved method of tapping barrels, casks, and other vessels in which taps or cocks are used to draw off the liquid contents thereof."

As set forth in their respective petitions, both recorded in the said office on the 4th day of November, 1870.

2919. And Norman Stewart Walker, of Liverpool, in the county of Lancaster, Merchant, has given the like notice in respect of the invention of "improvements in, or additions to, apparatus employed in the production of lead, lead-encased-block-tin and other soft metal pipes from ingots."

2924. And William Robert Lake, of the firm of Haseltine, Lake and Co., Southampton-buildings, London, Patent Agents, has given the like notice in respect of the invention of "an improved buoyant mattress, designed to serve either as a bed or a life preserver."—A

communication to him from abroad by Joshua Hunt, of Providence, Rhode Island, United States of America.

2927. And William Low, of Wrexham, in the county of Denbigh, has given the like notice in respect of the invention of "improvements in the mode of, and machinery for, tunnelling, mining, and coal cutting."

As set forth in their respective petitions, all recorded in the said office on the 5th day of November, 1870.

2930. And Robert Boyd, of the firm of Herbert and Company, Patent Agents, of 67, Strand, in the city of Westminster, has given the like notice in respect of the invention of "improvements in machinery for tracing and multiplying patterns, designs, and such like."—A communication to him from abroad by F. Henry Langsdorff, of Hamburg.

As set forth in his petition, recorded in the said office on the 7th day of November, 1870.

2937. And Edward Joseph Jones, of Turk's Head-court, Golden-lane, in the parish of St. Luke's, in the county of Middlesex, has given the like notice in respect of the invention of "a new machine for grinding, polishing, and concaveing circular and other saws, and other tools and substances."

As set forth in his petition, recorded in the said office on the 8th day of November, 1870.

2949. And Nedrick Jarvie William Miller and William Calderwood, all of Glasgow, in the county of Lanark, North Britain, have given the like notice in respect of the invention of "improvements in, or connected with, furnaces for boilers, evaporating vessels, and stills."

2953. And Thomas James Smith, of the firm of Robertson, Brooman, and Company, of 166, Fleet-street, in the city of London, Patent Agents, has given the like notice in respect of the invention of "improvements in sewing machines, and in tables for sewing machines."—A communication to him from abroad by John Niel Tarbox, of the firm of R. M. Wanzer and Company, of Hamilton, Ontario, Canada West.

As set forth in their respective petitions, both recorded in the said office on the 9th day of November, 1870.

2959. And Edward Primerose Howard Vaughan, of 54, Chancery-lane, in the county of Middlesex, Patent Agent, has given the like notice in respect of the invention of "improvements in the construction of, and in the methods of, working gas engines."—A communication to him from abroad by Lars Albert Leonard Söderström and George Alexander Dick, both residing at Paris, in the Empire of France.

As set forth in his petition, recorded in the said office on the 10th day of November, 1870.

2972. And Richard Potter Pearn and Frank Kelsey Pearn, both of Manchester, in the county of Lancaster, have given the like notice in respect of the invention of "improvements in machinery for raising and forcing fluids."

As set forth in their petition, recorded in the said office on the 12th day of November, 1870.

3015. And Edmund Alfred Pontifex and John Barton, both of Shoe-lane, in the county of Middlesex, have given the like notice in respect of the invention of "improvements in centrifugal machines."

As set forth in their petition, recorded in the said office on the 17th day of November, 1870.