

2705. To Richard Price Williams, of No. 9, Great George-street, Westminster, and James Price, of Highfield House, North Circular-road, in the city of Dublin, for the invention of "improvements in the permanent way of railways." On their petition, recorded in the Office of the Commissioners on the 12th day of October, 1871.
2727. To Samuel Moorhouse, of Cheadle Bulkeley, in the county of Chester, and William John Kendall, of Heaton Norris, in the county of Lancaster, for the invention of "improvements in mechanism or apparatus to be employed for signalling on railways." On their petition, recorded in the Office of the Commissioners on the 14th day of October, 1871.
2737. To Charles Randolph, of Pollockshields, in the county of Renfrew, North Britain, Engineer, for the invention of "improvements in common-road steam carriages, and in part applicable to railway locomotives."
2743. And to John Robert Breckon, of Sunderland, in the county of Durham, Colliery Manager, and David Joy, of Middlesbrough, in the county of York, Civil Engineer, for the invention of "improvements in machinery for screening and cleaning coals." On both their petitions, recorded in the Office of the Commissioners on the 16th day of October, 1871.
2749. To James Stead Crosland, of the city of Manchester, in the county of Lancaster, Engineer, for the invention of "improvements in steam boilers or generators." On his petition, recorded in the Office of the Commissioners on the 17th day of October, 1871.
2833. To James Francis Wanner, of Charles-street, Middlesex Hospital, in the county of Middlesex, Embroiderer, for the invention of "improvements in the ornamenting of garments, and of silk, woollen, and other fabrics." On his petition, recorded in the Office of the Commissioners on the 23rd day of October, 1871.
2881. To Richard Howson, of Middlesbrough-on-Tees, in the county of York, Engineer, and John James Thomas, of the same place, Iron Works Manager, for the invention of "improvements in puddling furnaces." On their petition, recorded in the Office of the Commissioners on the 27th day of October, 1871.
2915. To Julius Abrahams, of Sydney-street, Commercial-road, in the county of Middlesex, for the invention of "improvements for obtaining ventilation in wearing apparel."
2921. To Samuel John Machen, of Liverpool, in the county of Lancaster, for the invention of "improvements in boilers used for the circulation of hot water for heating hot houses and other similar structures"
2922. And to Richard Winder, of the parish of Farningham, in the county of Kent, Engineer, for the invention of "improvements in steam ploughs." On their several petitions, recorded in the Office of the Commissioners on the 31st day of October, 1871.
2927. To Charles Moseley, of Manchester, in the county of Lancaster, India Rubber Manufacturer, for the invention of "improvements in the manufacture of bowls for calenders and other purposes.
2929. And to John Gratrix, of Preston, in the county of Lancaster, Machinist, and Christopher Gratrix, of the same place, Machinist, for the invention of "an improved method or

methods for damping and drying yarns, cops, and other articles, and in machinery therefor."

On both their petitions, recorded in the Office of the Commissioners on the 1st day of November, 1871.

2941. To Jean Baptiste Charles Antoine Papier, late Staff Captain, now Civil Engineer, Knight of the Imperial Order of Guadalupe, 28, Lorrimore-square, London, for the invention of "improved apparatus for the prevention of smoky chimnies, giving at the same time perfect ventilation for houses, ships, lanterns, and public buildings."

On his petition, recorded in the Office of the Commissioners on the 2nd day of November, 1871.

2983. To Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, for the invention of "the manufacture of solid tribasic phosphate of ammonia, applicable for various useful purposes."—A communication to him from abroad by Lucien Henri Blanchard, Chemist, Ivar Bang, Chemist, and Louis Léon Henri Provost, Manufacturer, all of 13, Boulevard St. Martin, Paris.

On his petition, recorded in the Office of the Commissioners on the 6th day of November, 1871.

3033. To John Joseph Ney, of the town of Galway, Ireland, and 23, Pentonville-road, Islington, in the county of Middlesex, for the invention of "an improved method of preventing horses and other beasts of burthen from slipping or falling on asphalt or other roads."

On his petition, recorded in the Office of the Commissioners on the 10th day of November, 1871.

3053. To Richard Walkington, of Leeds, in the county of Yorkshire, for the invention of "improved apparatus for ruling paper in a wave, diamond, or any other irregular form."

On his petition, recorded in the Office of the Commissioners on the 11th day of November, 1871.

3072. To Joseph Heald, junior, of the firm of Baxendale and Heald, of Chorley, in the county of Lancaster, Wagon Builders and Machine Makers, for the invention of "improved self acting door fasteners for railway wagons and carriages or any other kind of doors."

On his petition, recorded in the Office of the Commissioners on the 14th day of November, 1871.

3073. To Francis Asbury Sawyer, 2nd, of the State of Massachusetts, of the United States of America, for the invention of "improved process or means of restoring spent indigo so as to enable it to be used or utilized to advantage."

3082. And to Peter Jensen, of 89, Chancery-lane, in the county of Middlesex, Engineer and Patent Agent, for the invention of "an improved agricultural implement for ploughing and other similar purposes."—A communication to him from abroad by Janus Schmidt, of Copenhagen, in the Kingdom of Denmark.

On both their petitions, recorded in the Office of the Commissioners on the 15th day of November, 1871.

3105. To Charles Burrell, of Saint Nicholas Works, Thetford, in the county of Norfolk, and George John Fowell, of the same place, for the invention of "improvements in elastic wheel tyres."

On their petition, recorded in the Office of the Commissioners on the 16th day of November, 1871.