

3523. And Lucien Gaulard, of Boulevard Saint Denis, No. 1, at Paris, Engineer and Chemist, has given the like notice in respect of the invention of "an improved process of tanning skins."

3524. And William Thomas Cooke, of Hingley House, Bolsover Hill, Sheffield, in the county of York, has given the like notice in respect of the invention of "an improved apparatus for making metal springs for locomotives, railway carriages, and waggons, and for other vehicles."

3529. And Vitale Domenico de Michele, of No. 5, Westminster-chambers, in the city of Westminster, county of Middlesex, has given the like notice in respect of the invention of "improvements in fire grates, and in feeding them with fuel."

3531. And Joseph Henry Hughes, of Birmingham, in the county of Warwick, has given the like notice in respect of the invention of "improvements in the bearings of bicycles and velocipedes or carriages."

As set forth in their respective petitions, all recorded in the said office on the 19th day of September, 1877.

3535. And Charles Frederick Mathiesen, of Mincing-lane, in the city of London, Merchant, and Louis Harty, of La Louvière, in the Kingdom of Belgium, Engineer, has given the like notice in respect of the invention of "improvements in the permanent way of railways."

3543. And John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, has given the like notice in respect of the invention of "improvements in machinery or apparatus for rolling metals."—A communication to him from abroad by Constant Roy, of Paris, in the Republic of France.

As set forth in their respective petitions, both recorded in the said office on the 20th day of September, 1877.

3550. And Joseph Laporte, Merchant, of 82, Boulevard Sebastopol, Paris, in the Republic of France, has given the like notice in respect of the invention of "improvements in self inking presses."

3560. And George Mason, of Bolton, in the county of Lancaster, Engineer, and Alfred Muir, of the firm of William Muir & Co., of Manchester, in the same county, Machine Tool Maker, have given the like notice in respect of the invention of "improvements in machinery for cutting and shaping wood, metal, and other materials."

3563. And David Bleloch, senior, and David Bleloch, junior, both of the firm of David Bleloch and Son, Saw Mills and Wagon Works, Charlestown, in the county of Fife, North Britain, have given the like notice in respect of the invention of "a new or improved construction of portable traction or road engine."

As set forth in their respective petitions, all recorded in the said office on the 21st day of September, 1877.

3564. And William McNaught, of Rochdale, in the county of Lancaster, Engineer, has given the like notice in respect of the invention of "improvements in mechanism for producing variable rotatory velocities, applicable to slubbing and roving frames and other machinery for various purposes."

3565. And John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, Gentleman, has given the like notice in respect of the invention of "improvements in machinery or apparatus for moulding toothed wheels and other

like articles, parts of which improvements are also applicable to other similar purposes."—A communication to him from abroad by Jules Cardailhac, of Paris, in the Republic of France.

3566. And Jean Nadal, of 94, Southampton-row, in the county of Middlesex, Engineer, has given the like notice in respect of the invention of "an improved apparatus for cutting or slicing fruit, vegetables, and other substances."

3569. And Edward French, of Hitchin, in the county of Hertford, has given the like notice in respect of the invention of "improvements in railway signals."

3574. And Frederick Hamilton, Engineer, and Frederick Alma Hamilton, both of 25, Poole-road, in the parish of St. John, Hackney, in the county of Middlesex, have given the like notice in respect of the invention of "improvements in reflectors of day light."

As set forth in their respective petitions, all recorded in the said office on the 22nd day of September, 1877.

3583. And George Tidcombe, junior, of the firm of G. Tidcombe & Son, Paper Makers' Engineers, of Watford, in the county of Herts, and Arthur Millbourn, of No. 11, Victory-place, New Kent-road, in the county of Surrey, have given the like notice in respect of the invention of "improvements in the manufacture of paper and apparatus therefor."

3588. And Herbert Portway, of Bradford, in the county of York, Worsted Stuff Manufacturer and Merchant, has given the like notice in respect of the invention of "improvements in looms for weaving."

As set forth in their respective petitions, both recorded in the said office on the 24th day of September, 1877.

3591. And Herbert John Haddan, of the firm of Herbert and Company, Patent Agents, of 67, Strand, in the city of Westminster, Civil Engineer, has given the like notice in respect of the invention of "improvements in machinery for constructing wood-screws."—A communication to him from abroad by Albert Le Roy Munson, of New York City, United States of America.

3592. And George Souter, of the town and county of Elgin, North Britain, Engineer and Iron-founder, has given the like notice in respect of the invention of "improvements in apparatus for hauling fishing nets and for similar purposes."

3597. And Frederick Herbert William Higgins, of 17, Cornhill, in the city of London, has given the like notice in respect of the invention of the "improvements in electric telegraphs."

3599. And John Edwards Stokes, of Eastcott Villa, Selwyn-road, Upton Manor, in the county of Essex, has given the like notice in respect of the invention of "improvements in machinery for compressing air for use as a motive power for driving rock boring machinery, pumps, lifts, and other machinery where steam power is inapplicable, and also as a perfect ventilator of all kinds of mines and underground workings."

As set forth in their respective petitions, all recorded in the said office on the 25th day of September, 1877.

3624. And Alexander Basil Wilson, of Belfast, county Antrim, Ireland, has given the like notice in respect of the invention of "improvements in steam engines."

As set forth in his petition, recorded in the said office on the 27th day of September, 1877.