

spindle sole or socket."—A communication from Adolphe Broux and David Broux, of the firm of Broux Brothers, two persons resident at Roubaix, France, Manufacturers.

649. And Henry Louis Bugeau, of Paris, rue Bichat, No. 33, Manufacturer, has given the like notice in respect of the invention of "an improved waterproof compound for sizing and coating leather, wood, cloths, or other articles."

655. And James Farmer, of Salford, in the county of Lancaster, Machine Maker, has given the like notice in respect of the invention of "improvements in machines for finishing printed sheets of paper."

As set forth in their respective petitions, all recorded in the said office on the 20th day of February, 1874.

658. 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 steam engines." A communication to him from abroad by Augustin Harmignies, Engineer, of Paris, in the Republic of France.

663. 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 the construction and manufacture of armour plates."—A communication to him from abroad by La Société Marrel Brothers, of Rive de Gier, in the Republic of France.

667. And Philip Albert Muntz, of Keresley, in the county of Warwick, Gentleman, and Thomas Budworth Sharp, of the French Walls Works, Smethwick, in the county of Stafford, Mechanical Engineer, have given the like notice in respect of the invention of "improvements in the process of, and apparatus for, condensing and collecting the fumes evolved by furnaces used for melting metals, and for other metallurgical operations."

As set forth in their respective petitions, all recorded in the said office on the 21st day of February, 1874.

672. And Henry Wilke, of 3, Crown-villas, Greengate-street, Plaistow, in the county of Essex, Engineer, has given the like notice in respect of the invention of "improvements in steam boilers."

683. And Henri Adrien Bonneville, of the British and Foreign Patent Offices, 18, Rue de la Chaussée d'Antin, Paris, France, and 6, Piccadilly, in the county of Middlesex, Patent Agent, has given the like notice in respect of the invention of "improvements in apparatus for the manufacture and application of wire coverings for securing the corks of bottles containing sparkling wines or other fermented or effervescent liquids."—A communication from Adrien de Mestre, a person resident at Bordeaux, France, Merchant.

As set forth in their respective petitions, both recorded in the said office on the 23rd day of February, 1874.

714. And Robert Stone, of Liverpool, in the county of Lancaster, has given the like notice in respect of the invention of "improvements in the manufacture of, and mode of, treating iron, and in apparatus employed therefor."

As set forth in his petition, recorded in the said office on the 25th day of February, 1874.

744. And Joseph Saul, of Derby, in the county of Derby, Furnace Builder, and Holmes Hird, of Burton-on-Trent, in the county of Stafford, Engineer, have given the like notice in respect of the invention of "a new or improved method

of economising fuel, by regulating the heat in the tubes of tubular steam-boilers."

752. And James Mallinson, of Welwyn, in the county of Herts, has given the like notice in respect of the invention of "improvements in steam and other cocks."

As set forth in their respective petitions, both recorded in the said office on the 28th day of February, 1874.

781. And Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, has given the like notice in respect of the invention of "improved machinery for cutting or excavating peat and other materials, and for making drains and trenches."—A communication to him from abroad by Victor Phillipe Challeton, of Paris, France.

As set forth in his petition, recorded in the said office on the 3rd day of March, 1874.

852. And John Chatterton, of Glossop, in the county of Derby, has given the like notice in respect of the invention of "improvements in means for increasing the evaporative power of steam generators."

855. And Luke Turner, of Leicester, in the county of Leicester, Elastic Fabric Manufacturer, has given the like notice in respect of the invention of "an improved mode of and machinery for preparing warps for the manufacture of elastic fabrics."

As set forth in their respective petitions, both recorded in the said office on the 9th day of March, 1874.

875. And Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, has given the like notice in respect of the invention of "improved hook attachments for wearing apparel, and other uses."—A communication to him from abroad by Jean Baptiste Charles Grut, of Paris, France.

As set forth in his petition, recorded in the said office on the 10th day of March, 1874.

883. And James Smith, of the firm of Smith and Wellstood, of Glasgow, in the county of Lanark, North Britain, Stove and Range Manufacturers, has given the like notice in respect of the invention of "improvements in water heating apparatus for stoves and ranges."

As set forth in his petition, recorded in the said office on the 11th day of March, 1874.

972. And James Buchanan Mirrless, of Glasgow, in the counties of Lanark and Renfrew, North Britain, Engineer, has given the like notice in respect of the invention of "a new or improved pumping engine."—Partly his own invention and partly a communication to him from William Renny Watson, at present residing in the Island of Jamaica.

975. And Alexander Melville Clark, of 53, Chancery-lane, in the county of Middlesex, Patent Agent, has given the like notice in respect of the invention of "improvements in the manufacture of chains, and in apparatus for the same."—A communication to him from abroad by Augustin Onèsine David, of Paris, France.

As set forth in their respective petitions, both recorded in the said office on the 19th day of March, 1874.

986. And James Burden, of Birmingham, in the county of Warwick, Steam Pressure and Vacuum Gauge Maker, has given the like notice in respect of the invention of "improvements in steam gauges, pressure gauges, and vacuum gauges."

As set forth in his petition, recorded in the said office on the 20th day of March, 1874.