

4170. To William Boulton, of Providence Foundry, Burslem, in the county of Stafford, Engineer, for the invention of "improvements in grinding materials used in the manufacture of pottery, and in apparatus to be used therefor."

4172. To Alfred Todd, of Birmingham, in the county of Warwick, Mechanical Engineer, for the invention of "improvements in roller skates."

4174. To William Dewhirst Cliff, of Wortley, near Leeds, in the county of York, for the invention of "improvements in carriages for receiving clay retorts and other similar heavy articles as they are made, and for carrying them away and depositing them where required."

4180. And to John Brierley, Frederick Wade Brierley, and Walter Wright Brierley, all of Kilburn, in the county of Middlesex, Railway Signal Engineers, for the invention of "improved apparatus for removing obstructions from railway points or switches."

On their several petitions, recorded in the Office of the Commissioners on the 2nd day of December, 1875.

4182. To John Bromilow, Manager of Steel Furnaces, Newton, in the county of Lanark, North Britain, for the invention of "improvements in making steel, and relating to blast furnaces and steel making furnaces."

4184. To Frederick William Crohn, of 10, Hammers-terrace, Greenwich, in the county of Kent, for the invention of "improvements in steam engines, applicable especially to the engines of towing vessels."

4186. To William Finlay, of Red Hill, in the county of Surrey, Engineer, for the invention of "improvements in lime-kilns and other kilns and furnaces."

4190. To John Oliver, of Manchester, in the county of Lancaster, Machine Maker, and Charles Butterworth, of Sudden, in the said county, Carding Master, for the invention of "improvements in bobbins for slubbing or roving frames."

4192. To Josiah George Jennings, of Stangate Wharf, Lambeth, in the county of Surrey, and Alfred Willmer Pocock, of 11a, Church-street, in the city of Westminster, for the invention of "improvements in water waste preventors."

4194. And to David Johnston, of the city of Glasgow, in the county of Lanark, North Britain, Engineer, for the invention of "new or improved dry closets."

On their several petitions, recorded in the Office of the Commissioners on the 3rd day of December, 1875.

4196. To Frederick Edward Blackett Beaumont, of No. 2, Westminster-chambers, Victoria-street, in the county of Middlesex, and Woodford Pilkington, of Kent Lodge, Campbell-road, West Croydon, in the county of Surrey, for the invention of "improvements in roller skates."

4198. To William Edward Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Civil Engineer, for the invention of "improvements in breech loading fire arms."—A communication to him from abroad by Franz von Dreyse, of Soemmerda, in the Empire of Germany.

4200. To William Bull, of Knights Hill, Lower Norwood, in the county of Surrey, Engineer, for the invention of "improvements in generating and applying heat in evaporating saline and other liquids, in the manufacture of chloride of sodium and other crystalline substances, and

for other heating purposes, and in apparatus connected therewith."

4202. To Alexander Charles Baddeley Moffatt, of Halstead, in the county of Essex, Engineer, for the invention of "improvements in feed water heaters."

4204. And to George Philippe Lempriere, of Birmingham, in the county of Warwick, Commercial Traveller, for the invention of "improvements in fastenings for gloves, cuffs, wristbands, collars, and other articles of dress."

On their several petitions, recorded in the Office of the Commissioners on the 4th day of December, 1875.

4210. To George Atterbury, of West Bromwich, in the county of Stafford, Furnace Builder, and James Boyle, of Handsworth, near Birmingham, for the invention of "improvements connected with the furnaces of steam engines."

4212. To Frederick Thomas Turner, of the firm of Murton and Turner, of Guiltcross Iron Works, Kenninghall, in the county of Norfolk, Agricultural Implement Manufacturer, for the invention of "improvements in adjusting hoes."

4214. To William Edward Gedge, of No. 11, Wellington-street, Strand, in the county of Middlesex, Patent Agent, for the invention of "an improved alarm apparatus or thief-detector."—A communication to him from abroad by Victor Pérard, of 64, Faubourg St. Martin, Paris, France.

4216. To William Bywater, of the Sweet-street Foundry, Holbeck, Leeds, in the county of York, and John Mawson Whitaker, of the Albert Mills, in the said Holbeck, for the invention of "improvements in weaving, and in apparatus employed therein."

4220. To William Morgan-Brown, of the firm of Brandon and Morgan-Brown, Engineers and Patent Agents, of 38, Southampton-buildings, London, and 13, Rue Gaillon, Paris, for the invention of "improvements in magazine or repeating fire-arms."—A communication to him from abroad by Benjamin Burkley Hotchkiss, of Paris, France, Engineer.

4222. To George Kent, of High Holborn, in the county of Middlesex, Manufacturer, for the invention of "an improved apparatus for cutting or slicing fruit, vegetables, and other substances."

4226. And to James Badcock, of the firm James Badcock and Son, of Westmoreland-buildings, Aldersgate-street, in the city of London, Skirt and Ladies Underclothing Manufacturers, for the invention of "an improvement in bustles or dress improvers for ladies wear."

On their several petitions, recorded in the Office of the Commissioners on the 6th day of December, 1875.

4232. To William Turner, of Glasgow, in the county of Lanark, North Britain, Engineer, for the invention of "a new or improved combined traction engine and steam plough, the same being applicable for purposes other than ploughing."

4234. To Thomas Hunter, of Maybole, in the county of Ayr, North Britain, Agricultural Implement Maker, for the invention of "improvements in apparatus for topping and tailing turnips and similar root crops."

4238. To Joseph Winter Kay, of Harborne, in the county of Stafford, Gentleman, for the invention of "improvements in threaders for threading the needles of sewing machines and other needles, and for threading the shuttles and other parts of sewing machines."