

4065. And John Gamgee, of Chelsea, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in refrigerating or producing cold, and in apparatus employed therein."

As set forth in their respective petitions, all recorded in the said office on the 1st day of November, 1877.

4075. And Joseph Glover, of Walworth, in the county of Surrey, Engineer, has given the like notice in respect of the invention of "improvements in machines for salting meat."

4085. And John Thomas Way, of No. 9, Russell-road, Kensington, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in the manufacture of mineral gum, and in its use for stiffening, adhesive, and glazing purposes."

As set forth in their respective petitions, both recorded in the said office on the 2nd day of November, 1877.

4087. And William Wilkes, of Bloxwich, in the county of Stafford, Locksmith, has given the like notice in respect of the invention of "an improvement in the striking plates or staples of railway carriage and other carriage door locks."

4088. And Peter William Barlow, of Hele Cottage, Ealing, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in coal scuttles."

4093. And William Nicholls Bryett, of Caledonian-road, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in the manufacture of tubular bedsteads."

4095. And Orlando Ball and Paul Dracup, of Bradford, in the county of York, Jacquard Machine Makers, have given the like notice in respect of the invention of "improvements in jacquards employed in looms for weaving, and in the means of operating the same."

4096. And George Sonnenthal, of Lambeth-hill, London, Merchant, has given the like notice in respect of the invention of "improvements in communicating rotatory motion to shafts and spindles for drilling machines, such improvements being also applicable to shafts and spindles for other purposes."—A communication to him from abroad by August Schwartz, of Berlin, Engineer.

As set forth in their respective petitions, all recorded in the said office on the 3rd day of November, 1877.

4099. And Carl Pieper, of Dresden and Berlin, has given the like notice in respect of the invention of "a dismembrator for flour mills."—A communication to him from August Nagel and Reinhold Kaemp, of Hamburg.

4100. And Carl Pieper, of Dresden and Berlin, has given the like notice in respect of the invention of "improvements in roller-mills."—A communication to him from August Nagel and Reinhold Kaemp, of Hamburg.

4101. And Georges Chalamel, of the firm Alfred Chalamel et Ce., of Puteaux (Seine), Manufacturer, has given the like notice in respect of the invention of "an improved apparatus for dyeing with preserved parts wool and other fibrous substances."

4102. And John Williams Benn, of 65, City-road, London, in the county of Middlesex, Designer and Master Cabinet Maker, has given the like notice in respect of the invention of "a children's chair, which can be adjusted to various heights, used as a nursery carriage when sepa-

rated, as a low chair, table, or cart independently, also for commode purposes."

4107. And George Schofield, of Railway Foundry, Elland, in the county of York, Engineer and Ironfounder, has given the like notice in respect of the invention of "improvements in railway signal apparatus."

4110. And James Press, of Dunmurry, in the county of Antrim, Ireland, Mechanic, and William Young, of same place, Mill Manager, have given the like notice in respect of the invention of "improvements in spinning machinery."

4116. And Gerard Wenzeslaus von Nawrocki, of the firm of J. Brandt and G. W. von Nawrocki, Civil Engineers and Patent Agents, of No. 2, Koch Strasse, Berlin, in the German Empire, has given the like notice in respect of the invention of "improvements in apparatus for discharging regulated quantities of liquid from bottles and similar receptacles, also applicable for charging the said bottles with liquid."—A communication to him by Dr. Johann Andreas Gerhard Müller, of Lohne, Oldenburg, in the German Empire.

4117. And Charles Thomas, of the city of Bristol, Merchant, has given the like notice in respect of the invention of "an improved mode of packing candles for the market."

As set forth in their respective petitions, all recorded in the said office on the 5th day of November, 1877.

4125. To Percy Frederick Tarbutt, of 4, Broad-sanctuary, in the city of Westminster, has given the like notice in respect of the invention of "improvements in card cases."

4126. And Henry Edward Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Civil Engineer, has given the like notice in respect of the invention of "improvements in the construction of buttons and studs."—A communication to him from abroad by Henri Burtsey, of Paris, in the Republic of France.

As set forth in their respective petitions, both recorded in the said office on the 6th day of November, 1877.

4146. And Charles Stuart, of 147, Queen Victoria-street, in the city of London, Mechanical Engineer, has given the like notice in respect of the invention of "improvements in the mechanism of instruments used for drilling holes in metals, such improvements being also applicable to other purposes."

4155. And Andrew Knowles, of Manchester, in the county of Lancaster, and David Greig, of the Steam Plough, Leeds, in the county of York, have given the like notice in respect of the invention of "improvements in machinery for cutting coal."

4156. And Alfred Henry Hart and James John Potter, trading as Hart and Company, of Birmingham, in the county of Warwick, Horticultural Builders, have given the like notice in respect of the invention of "improvements in valves for liquid steam and gas pipes."

4157. And John Craig, of Birmingham, in the county of Warwick, Machinist, and Frederick Leonardt, of Birmingham aforesaid, Merchant, have given the like notice in respect of the invention of "improvements in supplying water to grindstones."

4160. And Luke Turner, of Leicester, in the county of Leicester, has given the like notice in respect of the invention of "an improved construction of take-off roller for braiding machines."