

3165. And John Robinson, of Rochdale, in the county of Lancaster, Engineer, and John Smith, of the same place, Engineer, have given the like notice in respect of the invention of "improvements in machinery for cutting bungs or shives for casks."

As set forth in their respective petitions, all recorded in the said office on the 29th day of September, 1873.

3178. And Henry Bramhall, of New Britain, Connecticut, United States of America, at present residing at Sheffield, in the county of York, Cutler, has given the like notice in respect of the invention of "improvements in the manufacture of knives and forks, and in the adaptation of handles thereto."

As set forth in his petition, recorded in the said office on the 30th day of September, 1873.

3182. And Thomas Galloway Dawson and Jeremiah Dawson, of Otley, in the county of York, Printer's Engineers, have given the like notice in respect of the invention of "improvements in printing machinery."

As set forth in his petition, recorded in the said office on the 1st day of October, 1873.

3194. And Frank Wirth, of the firm of Wirth and Company, Patent Agency, at Frankfort-on-the-Main, in the Empire of Germany, has given the like notice in respect of the invention of "an improved method of manufacturing carbonic acid of any tension, and applying this acid in a compressed state to produce motive power, extinguish fires, and to other industrial and scientific purposes."—A communication from Henry Beins, Doctor of Medicine, a person resident at Groningen, in the Kingdom of Holland.

As set forth in his petition, recorded in the said office on the 2nd day of October, 1873.

3215. And James Cleminson, of 5, Westminster-chambers, Victoria-street, Westminster, in the county of Middlesex, Civil Engineer, has given the like notice in respect of the invention of "improvements in railway or other carriages."

3230. And Henry Hodgkinson, of Marple, in the county of Chester, Cotton Spinner, and James Ardern, of the same place, Mill Manager, have given the like notice in respect of the invention of "certain improvements in machinery for preparing cotton and other fibrous substances."

As set forth in their respective petitions, both recorded in the said office on the 4th day of October, 1873.

3240. 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 "an improved regulator for gas and other fluids."—A communication to him from abroad by Jules Anselme Crété, of Paris, France.

As set forth in his petition, recorded in the said office, on the 6th day of October, 1873.

3251. And Joseph Taylor Martin, of Liverpool, in the county of Lancaster, has given the like notice in respect of the invention of "improvements in the manufacture of corks and in apparatus employed therefor."

3255. And Charles Wood, of the Tees Iron Works, Middlesbro'-on-Tees, in the county of York, has given the like notice in respect of the invention of "improvements in the manufacture

of mortar, cement, and concrete for building purposes."

As set forth in their respective petitions, both recorded in the said office on the 7th day of October, 1873.

3292. And John Gray, Knt., and M.P., of Charville House, in the county of Dublin, Ireland, and Edmund William Dwyer Gray, of 83, Middle Abbey-street, Dublin, have given the like notice in respect of the invention of "improvements in apparatus for preparing paper for printing."

3293. And Henry Philip Buchan, of the town and county of Southampton, Merchant, has given the like notice in respect of the invention of "improvements in water closets."

As set forth in their respective petitions, both recorded in the said office on the 10th day of October, 1873.

3321. And Samuel Pilkington, of Preston, in the county of Lancaster, Agent, has given the like notice in respect of the invention of "improvements in mules for spinning."

As set forth in his petition, recorded in the said office on the 14th day of October, 1873.

3434. And William Chadburn, of Liverpool, in the county of Lancaster, Optician, has given the like notice in respect of the invention of "improvements in apparatus for regulating the working of engines, and for indicating the direction of revolution and speed of their driving shafts."

As set forth in his petition, recorded in the said office on the 22nd day of October, 1873.

3449. 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 machinery for printing in colours."—A communication to him from abroad by Elie Gaiffe, of Paris, France.

As set forth in his petition, recorded in the said office on the 23rd day of October, 1873.

3466. And William Holland, of the firm of Cox Brothers and Holland, of Birmingham, in the county of Warwick, Manufacturers, has given the like notice in respect of the invention of "improvements in umbrellas and parasols."

As set forth in his petition, recorded in the said office on the 25th day of October, 1873.

3484. And Edmond Ovide Richard, of Quebec, in the Province of Quebec, Dominion of Canada, has given the like notice in respect of the invention of "improvements in the breaks and couplings of railway trains."

As set forth in his petition, recorded in the said office on the 27th day of October, 1873.

3506. And Charles Thompson Owen, of Chesterfield, in the county of Derby, has given the like notice in respect of the invention of "improvements in winding engines and apparatus for raising coal, stone, minerals, and other heavy bodies."

3520. And John Garrett Tongue, of the firm of Tongue and Birkbeck, Patent Agents and Engineers, of 34, Southampton-buildings, Chancery-lane, in the county of Middlesex, has given the like notice in respect of the invention of "improvements in the production of iron bars for the manufacture of bolts, and in the machinery employed for this purpose."—A communication to him from abroad by Hyacinthe Vigour, Iron Merchant, of Paris, France.

As set forth in their respective petitions, both recorded in the said office on the 29th day of October, 1873.