for fastening or securing buttons which may itself be used as a stud or button."

As set forth in his petition, recorded in the said office on the 6th day of March, 1856.

598. And Edmund Alfred Pontifex, of the firm of Pontifex and Wood, of Shoe-lane, in the city of London, Chemical Manufacturers, has given the like notice in respect of the invention of "improvements in the manufacture of tartaric and citric acids and tartrate of potash and soda."

As set forth in his petition, recorded in the said office on the 12th day of March, 1856.

- 857. And Henry Laxton, of the firm of William and Henry Laxton, of the Office for British and Foreign Patents, No. 19, Arundel-street, Strand, in the county of Middlesex, Civil Engineer, has given the like notice in respect of the invention of "a new and improved apparatus for increasing the buoyancy of ships and other vessels."— A communication from Alexander le Mot, of the United States of America.
- 858. And Richard Chrimes, of Rotherham, in the county of York, Brass Founder, has given the like notice in respect of the invention of "improvements in buffers and other springs for railway and other carriages."

As set forth in their respective petitions, both recorded in the said office on the 9th day of April, 1856.

962. And William Smith, of Woolston, Fenny Stratford, has given the like notice in respect of the invention of "improvements in constructing and applying windlasses for working ploughs and other agricultural implements."

As set forth in his petition, recorded in the said office on the 22nd day of April, 1856.

1085. And Alexander Alliott, of the Park, Nottingham, Engineer, has given the like notice in respect of the invention of "improvements in drying apparatus."

As set forth in his petition, recorded in the said office on the 8th day of May, 1856.

1111. And John Ridal, of Sheffield, in the county of York, Working Cutler, has given the like notice in respect of the invention of "improvements in spring knife handles."

As set forth in his petition, recorded in the said office on the 10th day of May, 1856.

1211. And Charles De Iongh, of Lautenbach, near Guebwiller, in the Empire of France, Manufacturer, has given the like notice in respect of the invention of "an improved method of separating and assorting combed fibres of different lengths."

As set forth in his petition, recorded in the said office on the 21st day of May, 1856.

1227. And Charles Dewick, senr., of Stanleystreet, Leicester, county of Leicester, Manufacturer, has given the like notice in respect of the invention of "improvements in machines, generally called 'rib frame or rib machine' for producing fancy hosiery."

As set forth in his petition, recorded in the said office, on the 22nd day of May, 1856.

1243. And Pierse Eustace Laurence Barron, of Coleshill-street, Eaton-square, in the county of Middlesex, Gentleman, has given the like notice in respect of the invention of "an improved process for coating metals for sheathing ships and for other purposes, and in the means of attaching sheathing plates to ships or vessels." —A communication.

As set forth in his petition, recorded in the said office on the 24th day of May, 1856.

- 1265. And Ebenezer Talbott, of Spring Vale, in the county of Staffordshire, Manager of Iron Works, has given the like notice in respect of the invention of "improvements in the construction of rails for railways."
- 1268. And Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, has given the like notice in respect of the invention of "improvements in reaping machines."—A communication.

As set forth in their respective petitions, both recorded in the said office on the 27th day of May, 1856.

- 1270. And Lemuel D. Owen, of Southamptonstreet, London, in the county of Middlesex, Engineer, has given the like notice in respect of the invention of "improvements in the manufacture of artificial stone." – A communication. 1272. And Joseph Clark, of Buckskin Farm,
- 1272. And Joseph Clark, of Buckskin Farm, Basingstoke, Hants, has given the like notice in respect of the invention of "an improved horse hoe."
- 1275. And George Bell and George Charles Grimes, Fuzee and Match Manufacturers, No. I, Vauxhall-walk, Lambeth, have given the like notice in respect of the invention of "improvements in the manufacture of frictional matches and fuzees."

As set forth in their respective petitions, all recorded in the said office, on the 28th day of May, 1856.

- 1288 And William Needham and James Kite (Secundus), both of Vauxhall, in the county of Surrey, Engineers, have given the like notice in respect of the invention of "improvements in machinery or apparatus for expressing liquids or moisture from substances."
- 1293. And William Gossage, of Widnes, in the county of Lancaster, Chemist, has given the like notice in respect of the invention of "improvements in the manufacture of certain kinds of soap."

As set forth in their respective petitions, both recorded in the said office, on the 31st day of May, 1856.

- 1315. And Edwin Heywood, of Sutton, Cross Hills, Leeds, Designer, and Thomas Ogden Dixon, of Steeton, near Keighley, Bobbin Manufacturer, both in the county of York, have given the like notice in respect of the invention of "improvements in the means of attaching drawer and other knobs or handles."
- 1316. And Christian Rudolph Wessel, of 25, Fitzroy-square, New-road, Gentleman, and Francis Xavier Kukla, of 3, Raven-row, Mile End-road, Doctor of Philosophy, both in the county of Middlesex, have given the like notice in respect of the invention of "a vapourless glow-heat disseminator."

As set forth in their respective petitions, both recorded in the said office on the 3rd day of June, 1856.

And notice is hereby further given, that all persons having an interest in opposing any one of such applications are at liberty to leave particulars in writing of their objections to such application, at the said Office of the Commissioners, within twenty-one days after the date of the Gazette in which this notice is issued.

Erratum in Friday's Gazette.

1310. For "improvements in implements *in*," &c., read "improvements in implements *for*," &c.