254. And to Robert Bewick Longridge, of Manchester, in the county of Lancaster, Engineer, for the invention of "improvements in promoting the circulation of water in steam boilers, and in supplying water to steam boilers."

On their several petitions, recorded in the Office of the Commissioners on the 30th day of January,

1861.

256. To Charles Reeves of Birmingham, in the county of Warwick, Manufacturer, for the invention of "a new or improved instrument or apparatus for converting breech loading small arms into muzzle loading small arms, and an improvement or improvements in cartridges for breech loading arms"

25. To Robert Dawson Clegg, of 73, Fleetstreet, in the city of London, for the invention of "improvements in timekeepers, called atmospheric clocks, or mercurial timekeepers."

258. To James Robertson, Avon Bank, in the county of Lanark, North Britain, Bleacher, for the invention of "improvements in machinery or apparatus for finishing textile fabrics."

259. To John Henry Johnson, of 47, Lincoln's-inn-fields, in the county of Middlesex, and 166, Buchanan-street, in the city of Glasgow, North Britain, Gentleman, for the invention of "improvements in machinery or apparatus for roasting coffee and other seeds and roots, and for drying grain."—A communication to him from abroad by Robert Harper, of Melbourne, in the colony of Victoria.

260. To Stephen Moulton, of Bradford, in the county of Wilts, India Rubber Manufacturer, for the invention of "improvements in the construction of cables for telegraphic purposes."

261. To Sylvester Wiggin Warren, of Brooklyn, in the county of King's and State of New York, United States of America, for the invention of "an improved high and low water indicator for steam and other boilers."

263. And to John Chatterton, of Highbury, in the county of Middlesex, Engineer, for the invention of "improvements in treating gutta percha, india rubber, and compounds containing one or both of those substances, and in machinery and apparatus employed therein."

On their several petitions, recorded in the Office of the Commissioners on the 31st day of January,

1861.

267. To Henry Curtiss, at present of No. 7A, Skinner-street, Snow-hill, in the city of London, for the invention of "improvements in men's

scarfs, cravats, and neck-ties."

269. To Alexander Crichton, of Cork, Superintending Engineer of the Cork Steam Ship Company, for the invention of "improvements in applying and fitting screw propellers, and in forming and fitting the stern parts of ships for receiving screws."

271. To José Joaquin de Arrieta, of Piccadilly, in the county of Middlesex, Esquire, for the invention of "certain applications of chapapote and its products, and of the same combined with other substances, and of materials treated therewith, to various purposes in manufactures and

the useful arts."

272. To Alfred Vincent Newton, of the Office for Patents, 66, Chancery-lane, in the county of Middlesex, Mechanical Draughtsman, for the invention of "an improved construction of motive power engine."—A communication to him from abroad by W. H. C. Voss, of Berlin.

273. To Henry Medlock, of No. 20, Great Marlborough-street, in the city of Westminster, Analytical Chemist, for the invention of "improvements in brewing malt liquors."

274. To Morris Pollok the younger, of Govan, in the county of Lanark, North Britain, Manufacturer, for the invention of "improvements in machinery or apparatus for winding yarn or thread."

275. To Henry Bessemer, of Queen-street-place, New Cannon-street, in the city of London, for the invention of "improvements in the manufacture of malleable iron and steel, and in the machinery or apparatus employed in such manufacture.

276. And to Thomas Edward Knightley, of 25, Cannon-street, in the city of London, for the invention of "improvements in constructing

stable floors."

On their several petitions, recorded in the Office of the Commissioners on the 1st day of February, 1861.

277. To George Holme Spencer and Richard George Cook, of Hathersage, in the county of Derby, Manufacturers, for the invention of "improvements in umbrella and parasol furniture, and in the means or apparatus employed in treating umbrella and parasol furniture, parts of which are also applicable in heating steel wire ribs, rods, or tubes for other purposes."

278. To Edward Thomas Hughes, of the firm of Hughes and Son, Patent Agents, 123, Chancery-lane, London, for the invention of "improvements in the manufacture of woven fabrics, and in the machinery employed therein." —A communication to him from abroad by Monsieur Eugène Mouline, Merchant, of Vals, Département de l'Ardêche, in the Empire of France.

279. To William Prangley, of Salisbury, Professor of Music, for the invention of "improve-

ments in pianofortes.

280. To John Cameron, of the Hematite Iron Works, Hindpool, Lancashire, for the invention of "improvements in purifying water for the supply of steam boilers and other uses."

281. To Augustus Lea Bricknell, of Loughborough-park, Brixton, in the county of Surrey, for the invention of "improvements in fire

escapes."

282. To William Clark, of 53, Chancerylane, in the county of Middlesex, Engineer and Patent Agent, for the invention of "improvements in the manufacture of paper pulp."—A communication to him from abroad by Messrs. Louis Gaucher, Doctor of Medicine, and Auguste Sommé, Apothecary, both of 29, Boulevart St. Martin, Paris.

283. To William Clark, of 53, Chancerylane, in the county of Middlesex, Engineer and Patent Agent, for the invention of "improvements in bellows."—A communication to him from abroad by Mr. Charles Jules Pierre Desnos-Gardissal, of 29, Boulevart St. Martin, Paris, Civil Engineer.

285. To William Newton Wilson, of 144, High Holborn, and William Tertius Rowlett, of Leicester, in the county of Leicester, Manufacturers, for the invention of "improvements in sewing machines and in apparatus connected therewith."

286. And to James Garth Marshall, of Headingley, in the parish of Leeds, in the county of York, Flax Spinner, for the invention of "improvements in the treatment of flax, hemp, and other fibres in various stages of preparation and manufacture."

On their several petitions, recorded in the Office of the Commissioners on the 2nd day of February,

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