number of passengers a notice to that effect shall be placed in conspicuous letters and in a conspicuous position on the carriage.

17. The conductor shall not permit any passenger beyond the licensed number to enter or mount or remain in or upon any part of a carriage.

18. No person shall enter, mount, or leave, or attempt to enter, mount, or leave any carriage whilst in motion.

19. No dog or other animal shall be allowed in or on any carriage except by permission of the conductor, nor in any case in which the conveyance of such dog or other animal might be offensive or an annoyance to passengers. No person shall take a dog or other animal into any carriage after having been requested not to do so by the conductor. Any dog or other animal taken into or on any carriage in breach of this regulation shall be removed by the person in charge thereof from the carriage immediately upon request for the purpose by the conductor, and in default of compliance with such request may be removed by or under the direction of the conductor.

20. No person shall travel in or on any carriage of the Company with loaded fire-arms.

21. No passenger shall wilfully obstruct or impede any officer or servant of the Company in the execution of his duty upon or in connection with any carriage or tramway of the Company.

22. The conductor of each carriage shall enforce these bye-laws and regulations to the best of his ability, and if any such conductor fails to enforce the same as aforesaid, he shall be deemed to have committed a breach of these bye-laws and regulations.

23. Any person offending against or committing a breach of any of these bye-laws or regulations shall be liable to a penalty not exceeding forty shillings.

24. The expression "conductor" shall include any officer or servant in the employment of the Company and having charge of a carriage.

25. There shall be placed and kept placed in a conspicuous position inside of each carriage in use a printed copy of these bye-laws and regulations.

26. These bye-laws shall come into force on the 10th day of November, 1873.

Given under the Common Seal of the London Tramways Company Limited, the 10th day of September, 1873.

L. S.

J. F. Hunt, Secretary of the Company.

Patent Law Amendment Act, 1852.

Office of the Commissioners of Patents for Inventions.

NOTICE is hereby given, that—

1808. John Spear, of Hull, in the county of York, Engineer, has given notice at the Office of the Commissioners of his intention to proceed with his application for letters patent for the invention of "improvements in spring safety valves."

1810. And Wilhelm Hansen, of Gotha, in the Empire of Germany, but at present of No. 20, Southampton-buildings, Chancery-lane, in the county of Middlesex, has given the like notice in respect of the invention of "improved means for fitting and joining together pieces of iron for foundation plates, voussoirs of iron bridges, segments of wheels, and such like purposes."

1811. And John Pickup, of Waterfoot in Rossendale, in the county of Lancaster, Screw-Bolt Maker, has given the like notice in respect of the invention of "an improved steam 'Oliver' suitable for bolt and stud making."

1812. And Andrew Howatson, of Cronberry, Auchinleck, in the county of Ayr, N.B., and Octavius Williams, of Swansea, in the county of Glamorgan, Civil Engineer, have given the like notice in respect of the invention of "improvements in furnaces."

1814. And William Stubbs, of Rickerscote, in the county of Stafford, Farmer, has given the like notice in respect of the invention of "improvements in machinery for the manufacture of bricks."

As set forth in their respective petitions, all recorded in the said office on the 19th day of May, 1873.

1823. And Henry Lomax, of Over-Darwen, Machinist, and George Francis Bradbury, of Oldham, Machinist, and Thomas Chadwick, of Oldham, Machinist, and Thomas Singleton, of Over-Darwen, Gentleman, all in the county of Lancaster, have given the like notice in respect of the invention of "improvements in sewing machines."

1826. And Edward Crowley, of Birmingham, in the county of Warwick, Gun Action Maker, has given the like notice in respect of the invention of "improvements in breech loading small arms."

As set forth in their respective petitions, both recorded in the said office on the 20th day of May, 1873.

1836. And Thomas Fuller, of Longcrofts, New Shoreham, in the county of Sussex, Doctor of Medicine, has given the like notice in respect of the invention of "a new or improved apparatus for raising and lowering and adjusting Venetian and other blinds."

1841. And Joseph Lightowler, Carpet Manufacturer, and Charles Barraclough, Mechanic, both of Halifax, in the county of York, have given the like notice in respect of the invention of "improvements in looms for weaving."

1842. And Moses Thompson, Manager, William Thompson, Overlooker, both of Halifax, in the county of York, and William Hodgson, of Tong Park, Baildon, in the county aforesaid, Overlooker, have given the like notice in respect of the invention of "improvements in looms for weaving."

1847. And John Thomas Tannett, John Craven, and Samson Fox, of Leeds, in the county of York, Engineers, have given the like notice in respect of the invention of "improvements in self acting machinery for turning, planing, and boring the heavy parts of engineering constructions."

1849. And James Shepherd, of Polygon-avenue, Ardwick, Manchester, Engineer, has given the like notice in respect of the invention of "improvements in steam boilers or generators."

As set forth in their respective petitions, all recorded in the said office on the 21st day of May, 1873.

1851. And Edward Thomas Hughes, of the firm of Hughes and Son, Patent Agents, 123, Chancery-lane, London, has given the like notice in respect of the invention of "improvements in compressed air motors."—A communication to him from abroad by Henry Bushnell and Elias Parmelee Merriman, both of New Haven, in the county of New Haven, in the State of Connecticut, United States of America.