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1,468,974

F. F. RACE

TRAFFIC SIGNAL

Filed April 9, 1923

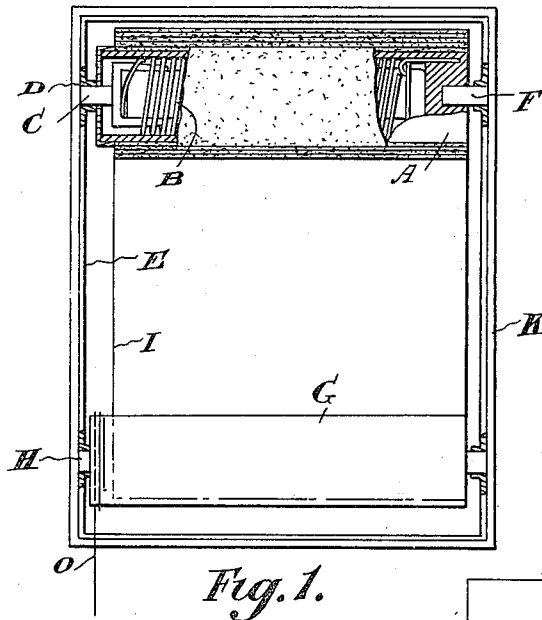


Fig. 1.

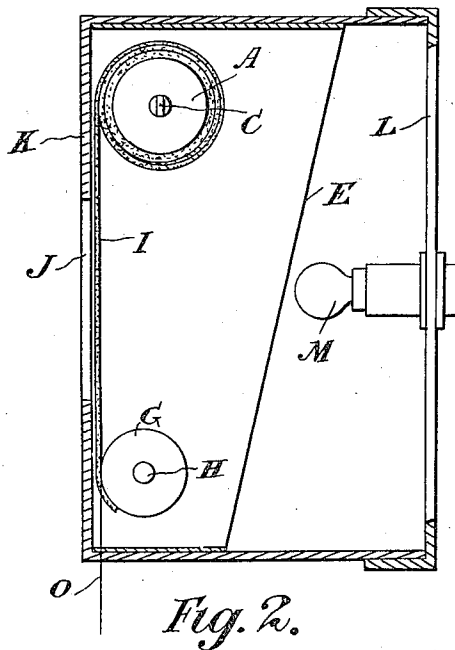
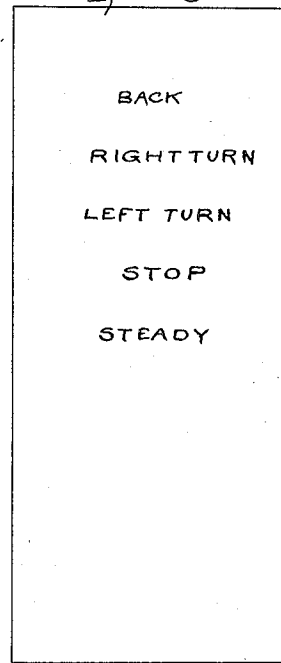


Fig. 2.

Fig. 3.



INVENTOR

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UNITED STATES PATENT OFFICE.

FRANK FAYERS RACE, OF TORONTO, ONTARIO, CANADA.

TRAFFIC SIGNAL.

Application filed April 9, 1923. Serial No. 631,049.

To all whom it may concern:

Be it known that I, FRANK FAYERS RACE, a subject of the King of Great Britain, residing in the city of Toronto, county of York, Province of Ontario, Canada, have invented certain new and useful Improvements in Traffic Signals, of which the following is a specification.

My invention relates to improvements in traffic signals, and more particularly to that type of signal used on automobiles, and the object of my invention is to design an efficient, yet cheaply manufactured device for the purpose set forth, and one which will also act as the tail light, and in the following specification I shall describe my device, and what I claim as new will be set forth in the claims forming part of this specification.

Fig. 1 is a rear view of my device, certain parts being shown in section. Fig. 2 is a vertical central longitudinal section through my device, and Fig. 3 is a view of the curtain opened out.

In the drawings, like characters of reference, refer to the same parts.

My device essentially comprises a roller A having a spring B mounted therein in any well-known manner. For example, this spring may be mounted in place as is common in spring rollers for blinds. One end of this roller is provided with a pin C which is shaped at its outer end as shown in Fig. 2, which outer end fits into a correspondingly-shaped opening D formed in any suitable supporting member E, and thus prevents the rotation of said pin without interfering with the rotation of the roller. The other end of the roller is mounted by any suitable means such as a pin F in the member E. A roller G is provided with any suitable bearing means such as pins H at each end whereby it is journaled in the member E. Normally wound around the roller A is the curtain I, preferably made of coloured fabric, such as cotton. One end of this curtain is attached to the roller G. Associated with the curtain I are any convenient signals, and it will be understood that by causing the curtain to roll around the roller G the desired signal will be exposed through any suitable opening J formed in the housing member K, which housing member is used preferably to protect the before-described parts from the weather.

Carried by the housing member is a closure member L which supports any suitable source of light M, which is located behind the opening J.

Since the curtain I will be preferably of the colour red, when the signals are not in use the portion of the curtain opposite the opening J will show a clear red light, and therefore my signalling device can also be used as a tail light.

Any convenient means may be used to operate the roller G, and this may be in the form of a flexible member O attached to one end of said roller and in a convenient position to the driver.

Since the roller A is provided with a spring, when tension is released on the flexible member O, the curtain will be automatically wound around the roller A.

Since the housing member K will be provided with suitable means (not shown) for attaching the same to the vehicle frame, I provide the supporting member E so that the rollers, and curtain I, may be readily removed from said housing for repairs or replacement.

What I claim is:

A traffic signal comprising a housing adapted to be carried by the vehicle, and having a wall adapted to permit light rays to pass therethrough; a supporting member removably mounted within said housing and having frictional contact with the interior thereof, and apertured to permit light rays to pass longitudinally therethrough; a spring-provided roller horizontally journaled in said supporting member above the light-passing part of said wall; another roller horizontally journaled in said supporting member below the light-passing part of said wall; a flexible curtain attached to said rollers and provided with suitable signals and permanently located to intercept and colour light rays passing through said apertured wall, for the purpose stated; a closure member for the open end of said housing; an electric lamp carried by said closure member, and removable therewith when said housing is opened to permit of the removal of said supporting member and parts carried thereby, and flexible means under the control of the driver to turn said second-mentioned roller, for the purpose specified.

FRANK FAYERS RACE.