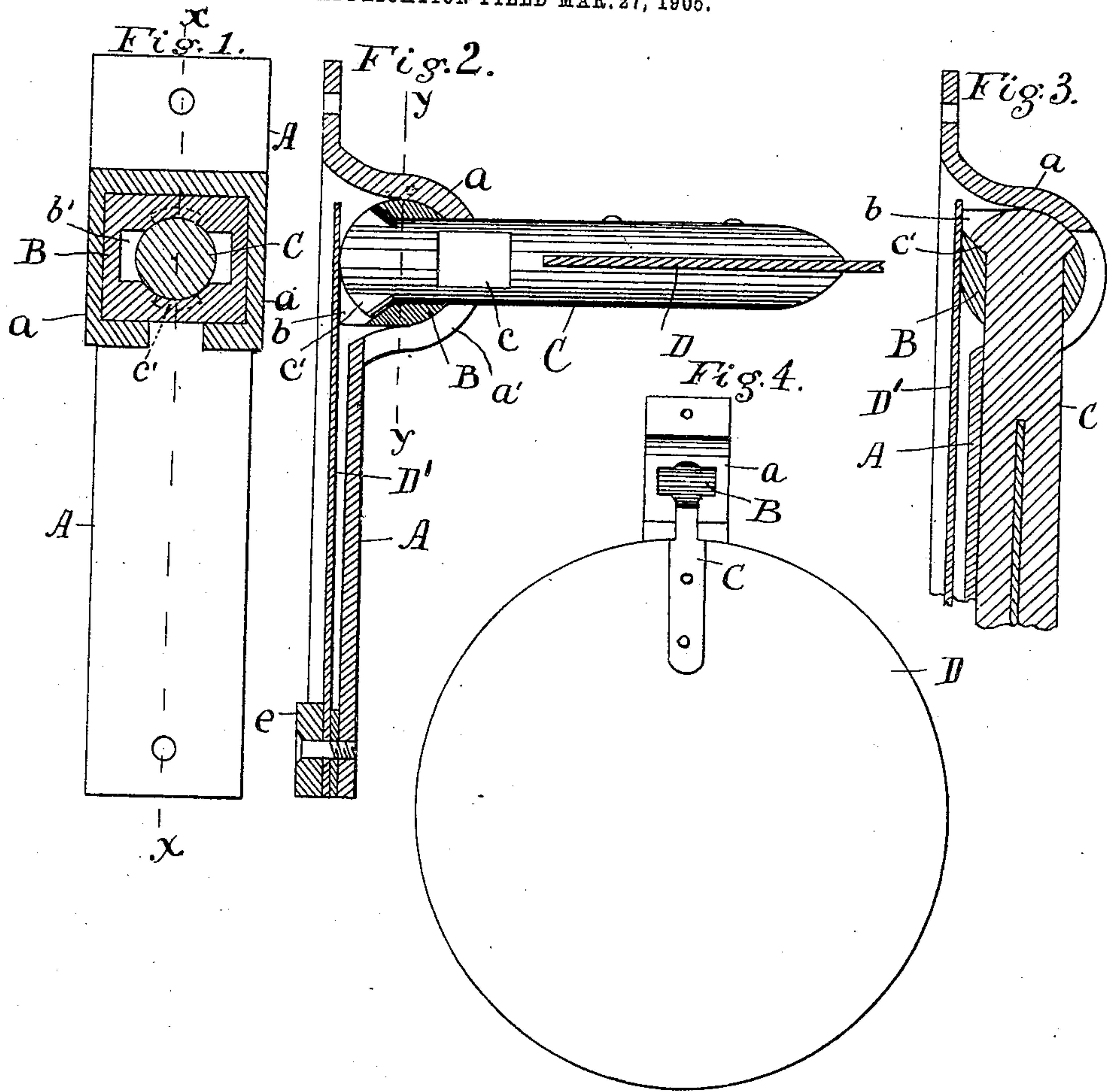


No. 808,937.

PATENTED JAN. 2, 1906.

A. S. MACREADIE.  
CAR SIGNAL.

APPLICATION FILED MAR. 27, 1905.



Witnesses:

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# UNITED STATES PATENT OFFICE.

ANDREW S. MACREADIE, OF SOUTH PORTLAND, MAINE.

## CAR-SIGNAL.

No. 808,937.

Specification of Letters Patent.

Patented Jan. 2, 1906.

Application filed March 27, 1905. Serial No. 252,116.

*To all whom it may concern:*

Be it known that I, ANDREW S. MACREADIE, a citizen of the United States of America, and a resident of South Portland, county of Cumberland, State of Maine, have invented certain new and useful Improvements in Car-Signals, of which the following is a specification.

My invention relates to a signaling device, particularly designed to be used on street-cars.

This signal is more especially designed to be used on single-track roads to indicate whether or not there is a car immediately following the car on which the signal is used, and it is desirable in such cases to show on the dashboard of the car either a red target to indicate a following car or a green one to indicate no following car.

The object of my invention is to provide a target having oppositely-colored sides, which may be permanently fixed on the dashboard at each end of the car and which may be easily turned by the motorman without leaving the platform of the car. It may be also used for advertising-signs or signs of any kind. This I accomplish by means of the device hereinafter shown and described.

I illustrate my invention by means of the accompanying drawings, in which—

Figure 1 represents a vertical section on the line *y y* of Fig. 2. Fig. 2 is a section on the line *x x* of Fig. 1. Fig. 3 is a section the same as Fig. 2, but on a larger scale and with rod in a different position; and Fig. 4 is a front elevation.

The target *D* is secured to the lower or outer end of a rod *C*, which is journaled at its upper or inner end in a block *B*, contained in a socket or hollow casing *a*, formed on the plate *A*, by which the device is held to the dashboard of the car by means of bolts or other suitable means. The block *B* is of such shape and is so held in the socket *a* as to turn through ninety degrees of arc, so that the rod may move from a vertical to a horizontal position. For this purpose the block is made cylindrical throughout the greater portion of its surface, with a rectangular corner *b* on the rear side, against which presses the spring *D'*, secured by its lower end to the lower portion of the plate, which is recessed out on its back side for this purpose. A rubber cushion or buffer *e* is secured at the lower portion of the plate on the back side to protect the surface of the fender or dashboard of

the car. The rear portion of the casing *a* is left open, so that the block *B* may be inserted from the back side, the spring serving to hold it in place and to hold it in its two positions, bearing first on one side of the corner *b* and then on the other as the block is turned. To permit the rod *C* to be moved from a horizontal to a vertical position, a vertical groove or slot *a'* is formed in the casing, through which slot the rod passes, and at the upper end of this slot there is an enlargement which allows the rod to be turned when in a horizontal position. The sides of the rod are cut away at *c* to just fit the lower portion of the slot, so that the rod cannot turn when it is at any point below a horizontal position. The rod is held in place in the block *B* by an enlargement *c'* on each side of its end; but grooves *b'* are provided in the block adapted to allow the projections *c'* to pass through when the rod and target are turned half-way round. Thus the target may be turned side for side by simply reaching over and lifting it to a horizontal position, and it may be removed, if desired, and a new one or any suitable sign substituted. The two sides of the target are painted any suitable color.

In practice as I prefer to use it one of the signals is hung on each end of the car, and when another car is following the red or danger side is turned out. Otherwise the green side of the signal is turned, showing that no car is following.

As stated, the device may be used for any kind of signs or signals and can be quickly turned by the motorman or conductor without leaving the platform of the car.

I claim—

1. In a car-signaling device the combination of a hollow casing, means for securing said casing to the car, a block held within said casing and adapted to turn therein, a rod pivoted in said block and a signal-target on the end of said rod.

2. In a car-signaling device, the combination of a hollow casing, a block secured within said casing and adapted to turn therein, a rod pivoted to said block, a spring adapted to press against the back of said block to prevent its rattling and a signal-target on the end of said rod.

3. In a car-signaling device, the combination of a hollow casing, having an opening in the rear and a block within said casing adapted to turn therein, a rod pivoted in said block, a signal-target on the lower end

of said rod, said casing having a horizontal opening in front large enough to allow said rod to turn and a smaller vertical slot extending downward from said opening, a portion  
5 of said rod being cut away to fit said slot and a flat spring acting against the back of said block to prevent its rattling.

4. In a car-signaling device, the combination of a hollow casing, having an opening in  
10 the rear and a block within said casing and adapted to turn therein, a rod pivoted in said block and adapted to be withdrawn therefrom, a signal-target on the lower end

of said rod, said casing having a horizontal opening in front large enough to allow said  
15 rod to turn and a smaller vertical slot extending downward from said opening, a portion of said rod being cut away to fit said slot and a flat spring acting against the back of said block to prevent its rattling. 20

Signed at Portland this 17th day of March, 1905.

ANDREW S. MACREADIE.

Witnesses:

S. W. BATES,

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