

Patented Jan. 21, 1919.

1,292,137.

Fig. 1.

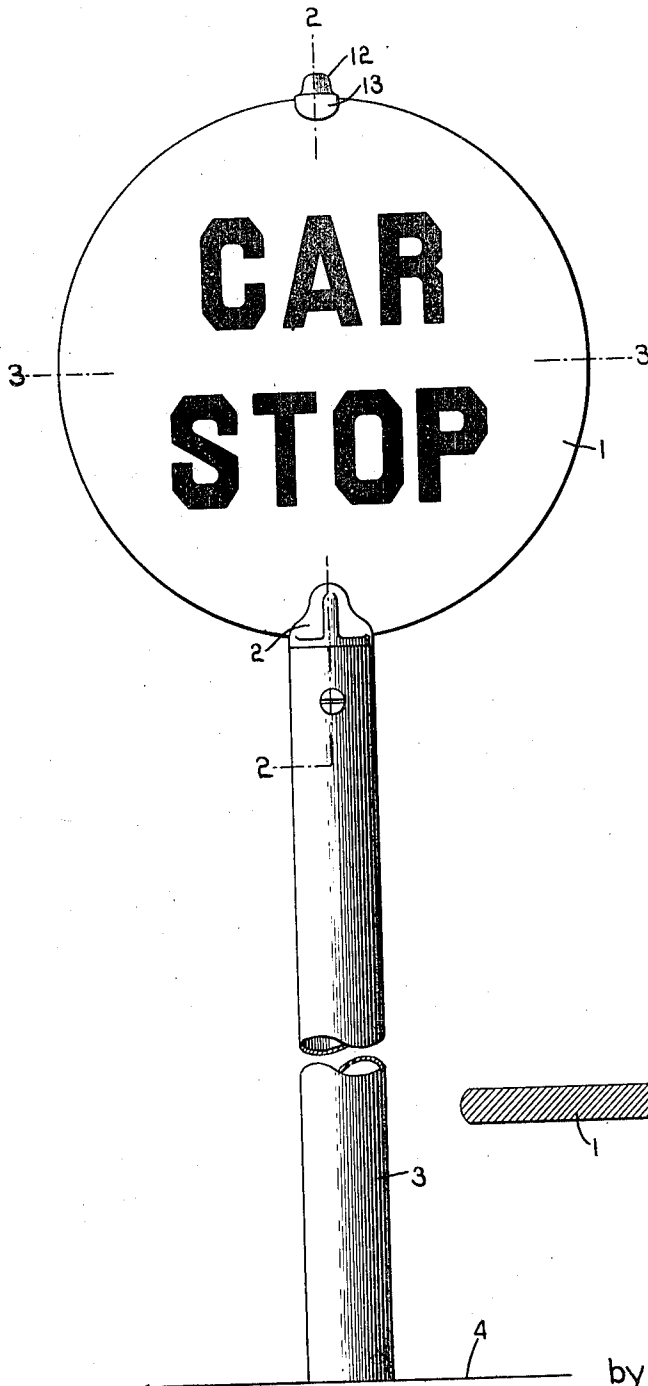


Fig. 2.

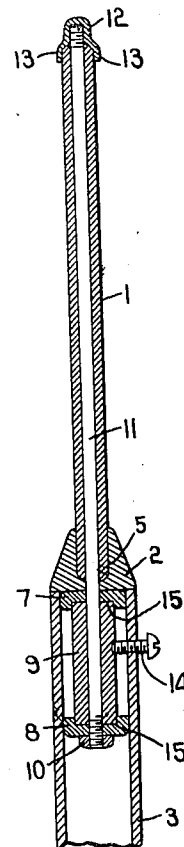
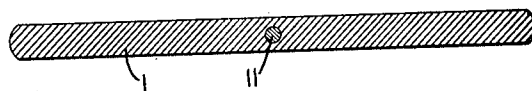


Fig. 3.



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CAR-SIGNAL.

1,292,137.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, HARVEY C. STROUT, a citizen of the United States, residing at Gloucester, county of Essex, State of Massachusetts, have invented an Improvement in Car-Signals, of which the following description, in connection with the accompanying drawing, is a specification, like characters on the drawing representing like parts.

This invention relates to signal devices adapted for use on the line of street cars for giving certain directions relative to traffic, such, for instance, as indicating the places where the cars will stop to take on or discharge passengers.

The object of the invention is to provide a novel signal for this purpose which is simple and inexpensive to manufacture and which can be used at any point along a street car line.

In order to give an understanding of my invention, I have illustrated in the drawings a selected embodiment thereof which will now be described, after which the novel features will be pointed out in the appended claims.

Figure 1 is a side view of a signal embodying my invention;

Fig. 2 is a section on the line 2—2, Fig. 1;

Fig. 3 is a section on the line 3—3, Fig. 1.

My improved signal comprises a disk-like signal member 1 which may conveniently be made of wood and which has imprinted thereon a legend giving the desired instructions or information. In the drawings I have illustrated a signal device which has the words "Car stop" imprinted thereon, such a signal being one which would be used to indicate the location along the street at which a street car will stop to take on or discharge passengers.

The signal member 1 is removably sustained by a tubular post 3 which is adapted to be set into the pavement or ground 4, and for securing the signal device to the post, I have provided a construction which permits the signal device to be used with different sizes of posts. The lower edge of the signal device 1 is set into a groove 5 formed in a seat member 2 which rests on the top of the post 3. Secured to the under side of the seat member 2 are two washers or collars 7 and 8 which are of a size to fit the interior of the tubular post 3, said washers being

separated by the spacing member 9 that is preferably made of wood and is cylindrical in shape. The signal member, seat member, collars and spacing block are all connected together rigidly by means of a tie-rod 11 which extends axially through the collars and spacing block and diametrically through the signal member. The upper end of the tie-rod 11 screws into a cap-nut 12 which engages the upper edge of the signal member and the lower end of the tie-rod carries a clamping nut 10 which engages the lower collar 8. 14 is a clamping screw carried by the post 3 and adapted to engage the block 9 thereby locking the signal member to the post.

Since the collars 7 and 8 fit the interior of the post 3 the signal member will be firmly held in position and the set-screw 14 prevents the signal member from being removed. Different sizes of collars 7 and 8 can be used to fit different sizes of posts 3, and, therefore, by merely selecting collars 7 and 8 of the proper size the device can be used in connection with any size of post.

Each of the collars is provided with a central recess 15 into which the end of the spacing block 9 is received, said recesses not only assisting in holding the parts rigidly in position, but also acting to prevent the block 9 from splitting.

The cap-nut 12 is provided with wings 13 which overlie the sides of the signal member 1. These wings serve as a locking means to prevent the cap-nut from being loosened and also constitutes a water-shed which prevents water from working its way into the opening in the signal device through which the tie-rod 11 extends.

In assembling the device, the tie-rod will be inserted through the aperture in the signal member with the upper end projecting far enough so that the cap-nut 12 can be screwed thereon without having its wings 13 engage the signal member, and after the cap-nut has been properly placed on the tie-rod the latter is forced downwardly through the signal member until the cap-nut engages the upper edge of said signal member and the wings embrace the sides thereof, as shown in Fig. 2. The seat member 2, collars 7 and 8 of the proper size and spacing block 9 may then be applied to the lower projecting end of the tie-rod 11 and all the parts

clamped together by the clamping nut 10. The device is then ready to be inserted into the post 3.

The device is simple and inexpensive to manufacture and has the advantage that it can be equally well used with different sizes of tubular posts. Further, the construction is such that the signal member can be readily removed from or replaced on any post and may be set to face in any direction.

I claim:

1. In a signal device, the combination with a tubular standard, of a signal member, a seat member engaging the lower end of the signal member and adapted to rest on the top of the standard, and a stem depending from the seat member and adapted to enter the tubular standard, said stem comprising two collars, each of a size to fit the interior of the tubular standard, and a spacing member between said collars.

2. In a signal device, the combination with a tubular standard, of a signal member, a seat member engaging the lower end of the signal member and resting on the tubular standard, a stem depending from the seat member and entering the tubular standard,

said stem comprising two collars of a size to fit the interior of the tubular standard and a spacing member interposed between said collars, and a tie-rod extending diametrically through the signal member and axially through the seat member, collars and spacing member and tying said parts together.

3. In a signal device, the combination with a tubular standard, of a signal member, a seat member engaging the lower end of the signal member and resting on the tubular standard, a stem depending from the seat member and entering the tubular standard, said stem comprising two collars of a size to fit the interior of the tubular standard and a spacing member interposed between said collars, a tie-rod extending diametrically through the signal member and axially through the seat member, collars and spacing member and tying said parts together, and a cap-nut on the top of the signal member into which the upper end of the tie-rod is screw-threaded, said cap-nut having ears embracing the sides of the signal member.

In testimony whereof I have signed my name to this specification.

HARVEY C. STROUT.