M. BERGERS.

DIRECTION INDICATING DEVICE.

APPLICATION FILED DEC. 4, 1916.

1,259,953.

Patented Mar. 19, 1918.

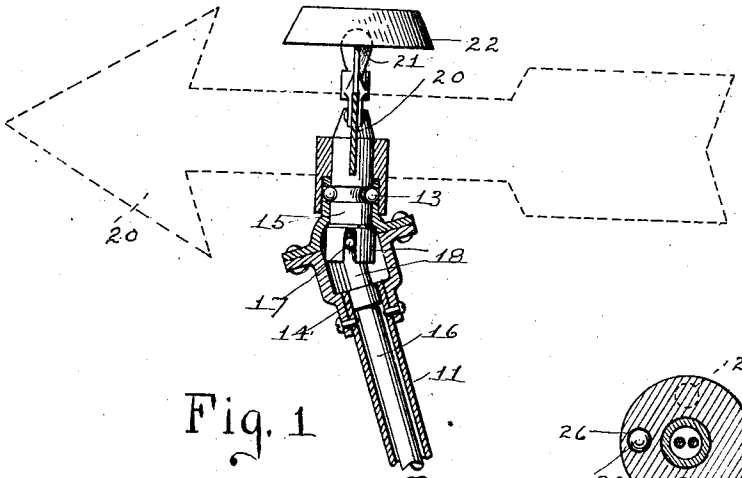


Fig. 1

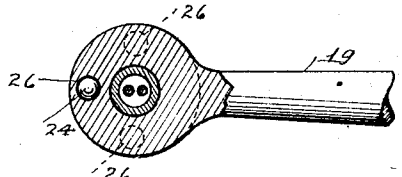


Fig. 4

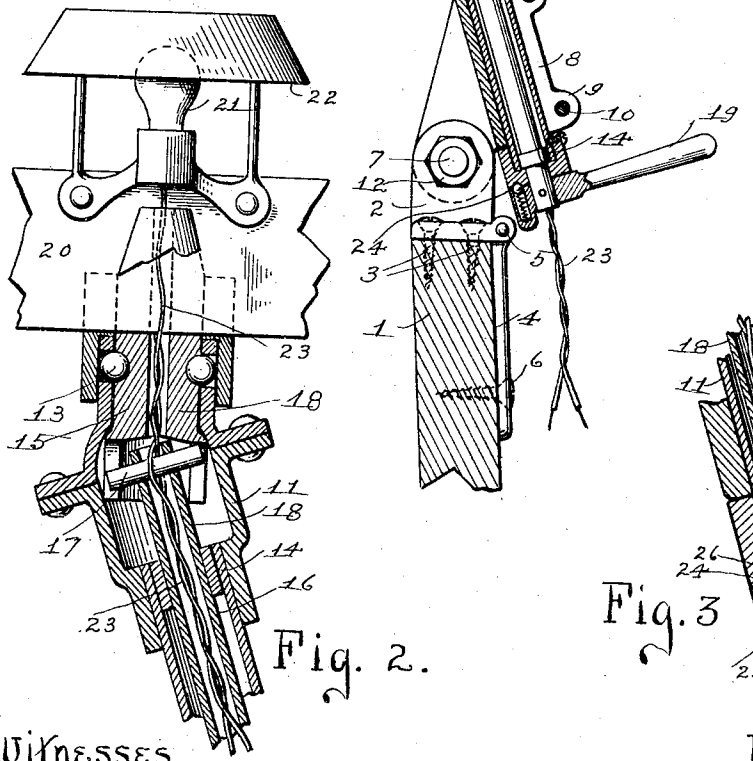


Fig. 2.

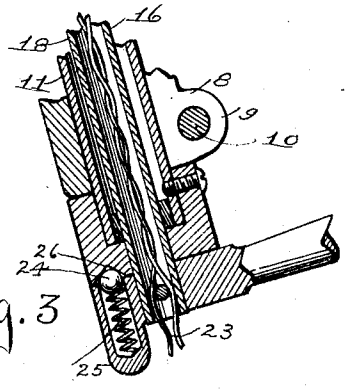


Fig. 3

Witnesses

Harold O. Van Antwerp

D. M. Field.

Inventor

Martin Bergers

By Cyrus W. Rice

his Attorney

UNITED STATES PATENT OFFICE.

MARTIN BERGERS, OF GRAND RAPIDS, MICHIGAN, ASSIGNOR, BY MESNE ASSIGNMENTS, OF ONE-HALF TO PETER HOEK, OF GRAND RAPIDS, MICHIGAN.

DIRECTION-INDICATING DEVICE.

1,259,953. Specification of Letters Patent. Patented Mar. 19, 1918.

Application filed December 4, 1916. Serial No. 134,816.

To all whom it may concern:

Be it known that I, MARTIN BERGERS, a citizen of the United States, residing at Grand Rapids, in the county of Kent and State of Michigan, have invented new and useful Improvements in Direction-Indicating Devices, of which the following is a specification.

The present invention relates to direction-indicating devices, and its object is to provide an improved device for indicating the direction a vehicle, as an automobile, is about to take; and further, to provide such a device which shall be very simple and economical in construction, easy of operation, efficient to the desired end, and readily attached to the vehicle.

This and any other objects appearing hereinafter are attained by, and the invention finds preferable embodiment in, the illustrative structure hereinafter described and illustrated by the accompanying drawings, in which:—

Figure 1 is a view of a direction-indicating device, partly in longitudinal central section;

Fig. 2 is a detail view of the upper part of the same, in like section;

Fig. 3 is a like view of the lower part of the same; and,

Fig. 4 is a view, partly in section, of a handle for operating the device.

In the embodiment of the invention chosen for detailed description in the body of this specification and for illustration by the drawings, the device is mounted on a suitable base 1, as the side or door of an automobile. A support 2 is secured to said base as by screws 3 and carries an arm 4 pivotally conected thereto at 5 and secured to the base as by the screw 6. By reason of this pivotal connection, the arm may be swung so as to adapt it and the body portion of the support to the angular position of the upper face and the side of the base to which said body portion and arm are to be respectively secured. This support 2 carries pivotally connected thereto at 7 releasable holding means, as the clamp 8 split into halves, the far half 9 being shown. This clamp is adapted to releasably hold by the clamping screws 10 a bearing element 11, so that said element may be held therein in a desired longitudinal adjustment. The holding means 8 may be swung on its supporting pivot 7 and clamped on the support 2 in desired angular adjustment, by tightening the nut 12. The bearing element 11 has axially inclined rotary bearings 13 and 14 in which the members 15 and 16 (rotatably connected at 17) of the turnable element 18 may be respectively turned, by the turning means, as the handle 19 secured to the lower member 16. The upper member 15 of the turnable element carries a pointer 20 and an electric lamp 21 provided with a reflector 22 and having electric wires 23 passing down through the hollow turnable element as shown.

In Fig. 1 this pointer is turned as shown in solid lines to indicate a straight forward course or direction of the automobile, while the pointer as shown in Fig. 2 and in dotted lines in Fig. 1 is turned to indicate that the automobile is about to turn in the direction the pointer shows. By the axially inclined position of the members 15 and 16 of the turnable element, the upper member may be vertical while the lower member is inclined from the vertical in order that the device may clear the automobile top, etc.; and the bearing member 11 being adjustable longitudinally, the pointer may be raised or lowered as circumstances render desirable; and the holding means 8 being swingable on the pivot 7 and clampable in desired angular position, the device may be further adjusted as desired.

A suitable ball 24 spring pressed at 25 upwardly in the handle 19 is adapted to enter one of the depressions 26 in the bottom of the bearing member to releasably hold the pointer in the position to which it may have been turned.

The invention being intended to be particularly pointed out and distinctly claimed solely in and by the following claims, is not to be limited to or by details of construction shown or described.

I claim:

1. In a device of the character described; a support for a direction-indicator having an arm pivotally connected to the support; and means for securing the support and said arm severally to the top edge and lateral surface respectively of the side of an automobile.

2. In a device of the character described; a support for a direction-indicator having pivotally connected releasable holding means

for the indicator, and also having an arm pivotally connected to the support; means for releasably securing the support and holding means in desired angular adjustment interrelatively; and means for securing the support and said arm severally to the top edge and lateral surface respectively of an automobile.

3. In a device of the character described; a fixed support for a direction-indicator; having pivotally connected releasable holding means for the indicator adapted to hold the indicator in longitudinally adjustable positions; and means for releasably securing the support and holding means in desired angular adjustment in a vertical plane interrelatively.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses, at Grand Rapids, Michigan, this first day of December, A. D., 1916.

MARTIN BERGERS.

Witnesses:
CYRUS W. RICE,
GANSEN TAGGART.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."