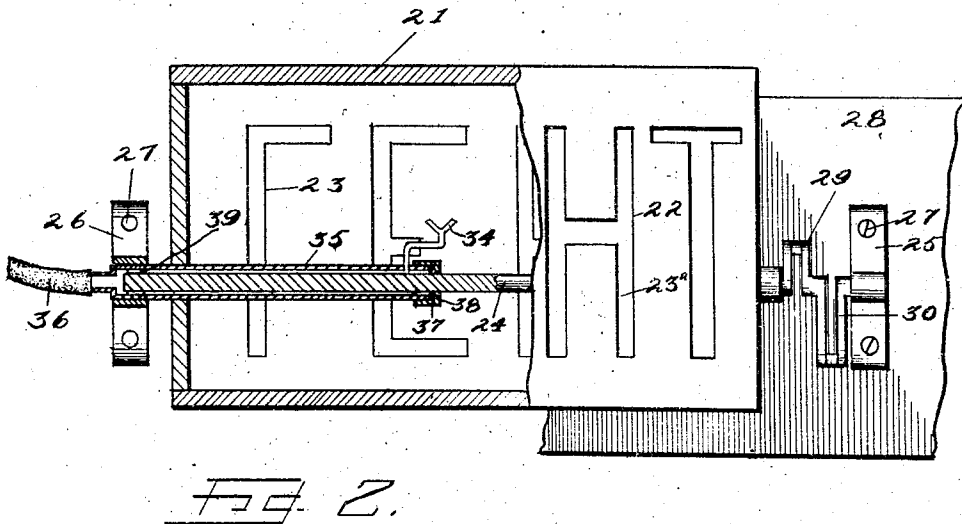
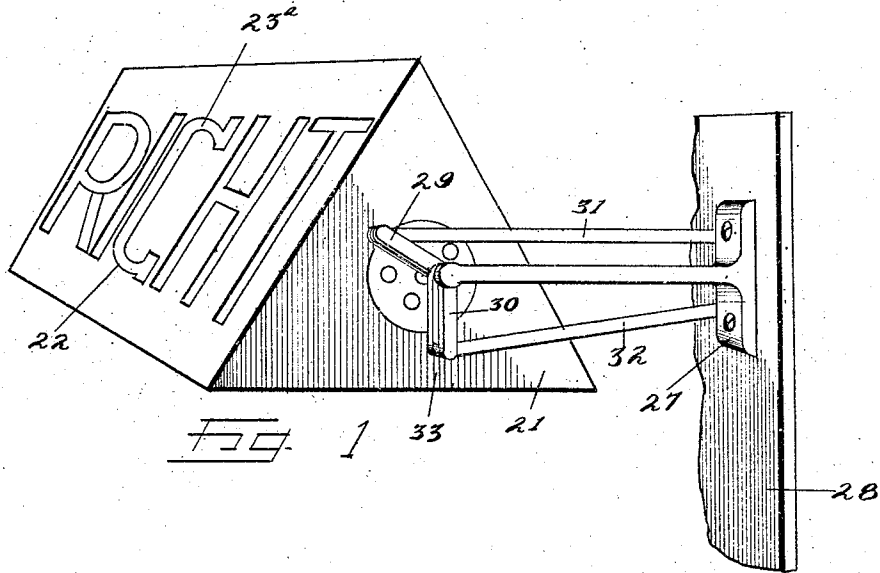


A. B. DEMUTH.
 SIGNAL FOR AUTOMOBILES.
 APPLICATION FILED JUNE 26, 1911.

1,033,305.

Patented July 23, 1912.



Witnesses
A. Murray
W. J. Hoffman

Inventor
Arthur B. Demuth
 By *Shepherd Campbell*
 Attorney

UNITED STATES PATENT OFFICE.

ARTHUR B. DEMUTH, OF SAN DIEGO, CALIFORNIA, ASSIGNOR OF ONE-HALF TO GEORGE W. STEVENS, OF SAN DIEGO, CALIFORNIA.

SIGNAL FOR AUTOMOBILES.

1,033,305.

Specification of Letters Patent.

Patented July 23, 1912.

Application filed June 28, 1911. Serial No. 635,303.

To all whom it may concern:

Be it known that I, ARTHUR B. DEMUTH, a citizen of the United States of America, residing at San Diego, in the county of San Diego and State of California, have invented certain new and useful Improvements in Signals for Automobiles, of which the following is a specification.

This invention relates to signals for automobiles, the object of the invention being to provide means operable from the driver's seat, for indicating to the occupants of an approaching vehicle the direction in which it is intended to turn.

It is a further object of the invention to provide a device of the character above set forth visible either by day or by night.

Further objects and advantages of the invention will be set forth in the detailed description which now follows.

In the accompanying drawing Figure 1 is a perspective view of my device, and Fig. 2 is a view partly in front elevation and partly in section of my device.

Like numerals designate corresponding parts in all of the figures of the drawing.

The drawings show a structure in which the signs are both carried by a single member, and in which the signs or signals will be visible at night. This structure comprises a preferably triangular casing 21 having upon one of its sides, the cut-out letters forming the word "Right" indicated at 22 and having upon its opposite side, the cut-out letters forming the word "Left" as indicated at 23. These letters may, if desired, be filled in with or covered by ground or opalescent glass indicated at 23^a. The third side of the casing carries no letters. This casing is mounted upon a shaft 24 and turns therewith. This shaft has its bearings in brackets 25 and 26 designed to be secured by screws 27 to the dash board 28. The shaft 24 carries cranks 29 and 30 to which are connected operating rods 31 and 32.

With the parts in the position illustrated in Fig. 1, the word "Right" would be visible to the occupants of an on-coming vehicle. If the rod 31 be drawn rearwardly at this time, it will, through the crank 29, turn the casing 21 to bring its lower or blank side 33 to the front, indicating at this time neither right nor left which is the position the casing occupies when it is intended to continue

in a straight course. This movement of the rod 31 and crank 29 throws the crank 30 above the center so that a rearward pull upon rod 32 will impart a further one-third rotation to the casing to bring the sign "Left" into view. To render these signs visible at night, a light producing element is located inside of the casing. In the present instance, this light producing element is shown as an acetylene gas tip 34 receiving its gas supply through a pipe 35 that is connected to a flexible hose 36. This hose, may if desired, receive a supply of gas from the usual acetylene gas tank of the automobile. A packing ring 37 is adapted to be compressed by a nut 38, to form a gas tight joint about the shaft 24. The left hand end of the shaft 24 in Fig. 2 is provided with ribs 39 which bear inside of the pipe 35 so that this shaft is held in centered position and turns in the pipe 35, but does not interfere with the free passage of the gas to the tip 34.

While the third side of the casing has been described as containing no lettering, it is apparent that this third side may contain the word "Forward" or the words "Straight ahead" without in any way departing from the invention, this being obviously merely a matter of choice.

From the foregoing description it will be seen that simple and efficient means are herein provided for accomplishing the objects of the invention, but while the elements shown and described are well adapted to serve the purposes for which they are intended, it is to be understood that the invention is not limited to the precise construction set forth but includes within its purview, such changes as may be made within the scope of the appended claims.

Having described my invention, what I claim is:

1. In a device of the character described, the combination with a substantially triangular casing, of a shaft upon which said casing is mounted, said casing rotating with said shaft, a pair of cranks carried by said shaft, said cranks being set substantially at an angle of one hundred and twenty degrees with relation to each other, and a pair of operating rods connected to said cranks.
2. In a device of the character described, the combination with a casing bearing signs of a two part shaft upon which said casing

is mounted, said shaft comprising a solid member and a tubular member, bearings in which the solid member and said tubular member are mounted, said solid member entering said tubular member, a packing member threaded upon the tubular member and forming a fluid tight joint about the solid member, a light producing member in communication with the tubular member and

means for supplying an inflammable fluid to the interior of said tubular member. 10

In testimony whereof I affix my signature in presence of two witnesses.

ARTHUR B. DEMUTH.

Witnesses:

GEO. W. STEVENS,
J. C. HIZAR.

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