

L. WEST.
AUTOMOBILE HORN.
APPLICATION FILED MAR. 7, 1911.

1,019,571.

Patented Mar. 5, 1912.

Fig. 1.

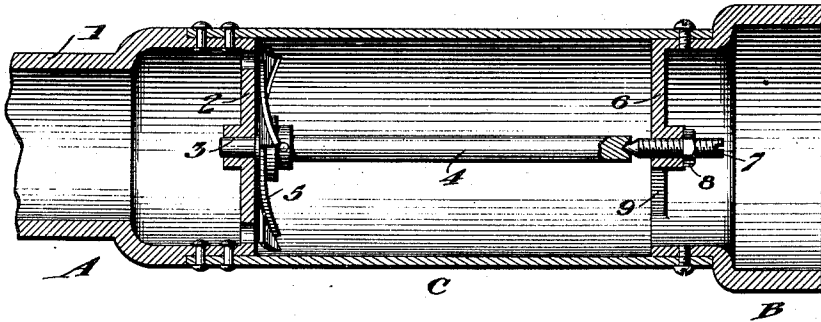


Fig. 2.

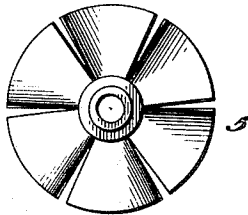
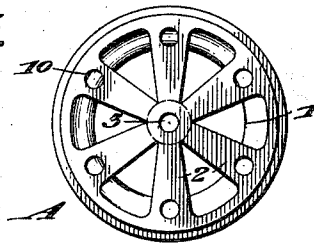


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

LOUIS WEST, OF ROCHESTER, MINNESOTA.

AUTOMOBILE-HORN.

1,019,571.

Specification of Letters Patent.

Patented Mar. 5, 1912.

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To all whom it may concern:

Be it known that I, LOUIS WEST, a citizen of the United States, residing at Rochester, in the county of Olmsted and State of Minnesota, have invented certain new and useful Improvements in Automobile-Horns, of which the following is a specification.

My invention relates to an improvement in automobile horns which are adapted to be connected to the exhaust of an engine, the object being to provide a simply constructed horn which consists of few parts, and which can be readily assembled and taken apart, in cleaning and the like.

The invention consists in certain novel features of construction and combinations of parts which will be hereinafter fully described and pointed out in the claim.

In the accompanying drawings, Figure 1 is a longitudinal vertical sectional view of the invention; Fig. 2 is an elevation of the fan; and Fig. 3 is an end view of one of the tubular heads.

A and B represent the tubular heads, and C is the cylindrical barrel which is connected to the heads. A tubular pipe section 1 of the head A is connected in any suitable manner for receiving the exhaust, and at the inner end of the head radial arms 2, 2, are provided. An opening 3 is provided at the inner ends of the radial arms for forming a bearing for the shaft 4. A fan 5 is carried by the shaft and is located adjacent to the radial arms, so that the exhaust passing between the radial arms will cause the fan to rotate. Radial arms 6, 6, are formed at the inner end of the head B. A bearing pin 7 having screw-threaded engagement with the inner ends of the radial arms 6, engages the upper or outermost end of the shaft 4 for

forming an adjustable bearing for the shaft to permit it to rotate upon the rotation of the fan 5. A lock nut 8 is screwed upon the pin 7 for locking it against movement. Radial slots 9 are formed between the radial arms 6 for the discharge of the exhaust and sound from the barrel C. The radial arms 2 are provided with perforations 10, the object of which is to allow the gas to pass through the arms for starting the fan. The fan when stopped, due to the shutting off of the exhaust through the horn, is liable to take a position where the gas would not act upon the blades when passing through the heads and barrel, therefore it has been found advisable to provide perforations through the radial arms to insure the gas coming in contact with the blades for the rotation of the fan.

Having fully described my invention, what I claim as new and desire to secure by Letters Patent, is:—

An automobile horn comprising two tubular heads having integral radial arms across their inner ends, a cylindrical barrel telescoping at its opposite ends, the ends of the two tubular heads removably connected therewith, a shaft stepped in a bearing formed at the intersection of the arms of one head and carrying a fan adjacent thereto, and a screw turning through a threaded orifice at the intersection of the arms of the other head to form an adjustable bearing for the adjacent end of the shaft.

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

LOUIS WEST.

Witnesses:

GEO. J. ALLEN,
CHAS. C. WILLSON.