R. M. STUART.

WHISTLE.

APPLICATION FILED NOV. 25, 1913.

1,116,756.

Patented Nov. 10, 1914.

Fig. 2.

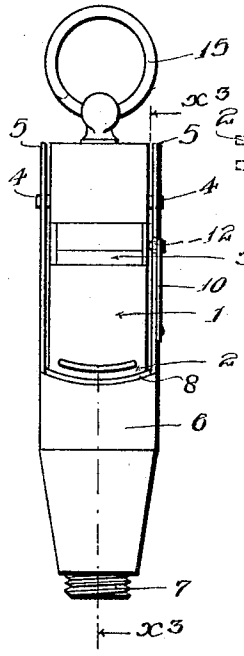


Fig. 1.

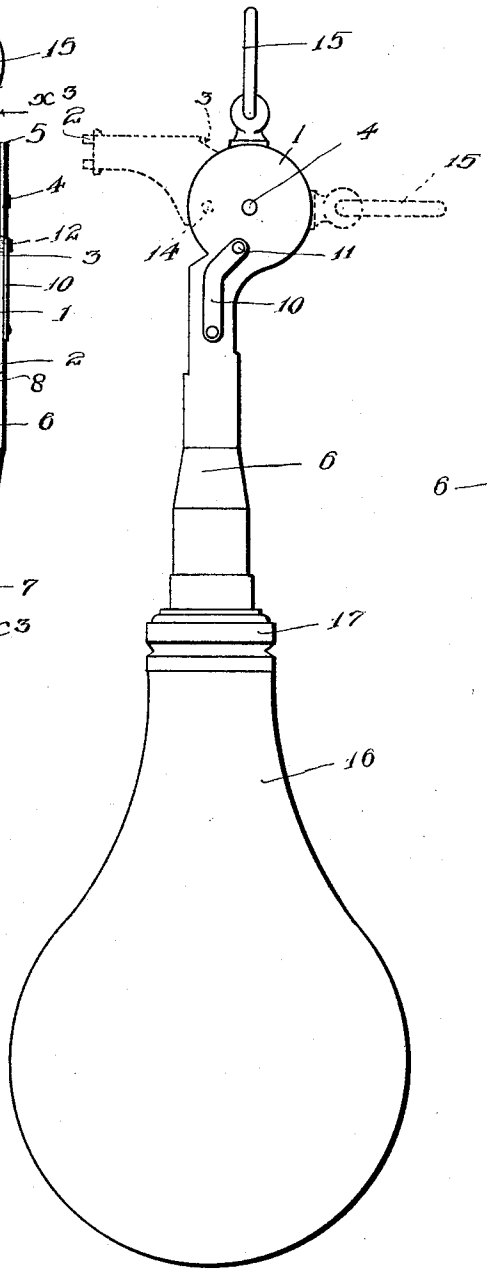


Fig. 3.

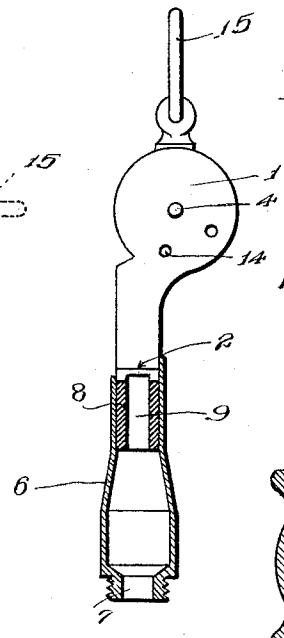
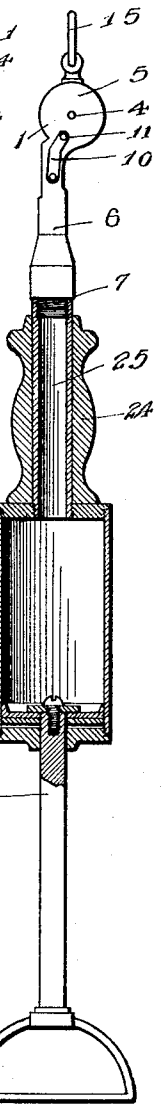


Fig. 4.



Witnesses:
Sally Russo
Lute D. Alter

Inventor
Robert M. Stuart
by Ryan & Baldwin
attys.

THE NORRIS PETERS CO., PHOTO-LITH., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ROBERT M. STUART, OF LOS ANGELES, CALIFORNIA.

WHISTLE.

1,116,756. Specification of Letters Patent. Patented Nov. 10, 1914.

Application filed November 25, 1913. Serial No. 802,922.

To all whom it may concern:

Be it known that I, ROBERT M. STUART, a citizen of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Whistle, of which the following is a specification.

This invention relates to a whistle intended for use particularly by policemen and traffic officers, and the main object of the invention is to provide a whistle which is adapted to be blown either by applying to the mouth of the user or by means of a bulb or other device.

Other objects of the invention will appear hereinafter.

The accompanying drawings illustrate embodiments of my invention, and referring thereto:

Figure 1 is a side elevation of the whistle applied to a bulb, showing in dotted lines the position to which the whistle is turned for blowing by the mouth. Fig. 2 is a side elevation of the whistle and its mounting. Fig. 3 is a section on line x^3—x^3, in Fig. 2. Fig. 4 is a sectional view of another form of blowing device for the whistle, the whistle being shown thereon in elevation.

Referring to Figs. 1 to 3, the whistle indicated at 1 may be of any usual or suitable form, being provided with an inlet or mouth piece 2 and an outlet opening 3, and with suitable means for producing sound by the passage of air from the inlet or mouth piece to the outlet opening. Said whistle is mounted by pivots 4 in a frame consisting of side plates 5 extending from a tubular body 6, said tubular body having at one end suitable means such as a screw threaded portion 7 for engagement with a blowing device hereinafter described. Said tubular body 6 is further provided with means for making an air tight joint with the mouth piece of the whistle when the latter is turned to a certain position shown in Fig. 3, said means consisting, for example, of a rubber plug 8 inserted in the tubular member 6 and having a bore or passage 9 which registers with the inlet or mouth piece 2 of the whistle. A spring 10 secured at one end of one of the side plates 5 is formed at its other end with a pin 11 extending through a perforation 12 in said side plate and adapted to engage in either one of two depressions or recesses 14 in one side of the whistle 1 so as to retain said whistle either in the position shown in Fig. 3 with its inlet or mouth piece 2 registering with the passage 9, or in position shown in dotted line in Fig. 1, in which the whistle is extended at right angles to the supporting frame, so as to present its inlet or mouth piece in convenient position for blowing by the mouth of the user. The whistle 1 may be provided with the usual ring 15, which in this case serves as convenient means for turning the whistle on its pivoted support as well as for carrying the device as a whole.

Any suitable means may be provided for forcing air through the passage 9 to blow the whistle, a convenient means for this purpose being the bulb shown at 16 in Fig. 1, said bulb being of rubber with an outlet member 17 adapted to screw onto the portion 7 of the tubular member 6, so as to make a tight joint therewith.

In using this form of the invention the officer may use the whistle manually, by turning the whistle to the position shown in Figs. 2 and 3 and pressing the bulb 16 whenever he desires to operate the whistle, the bulb 16 serving in that case as a handle as well as an operating device for the whistle, or, if he so desires, he may at any time use the whistle in the ordinary manner by swinging the whistle as shown in dotted lines in Fig. 1 and blowing in the inlet or mouth piece 2, which is then exposed in convenient position for such operation.

Instead of the rubber bulb any other suitable blowing means may be used, for example, a cylinder such as indicated at 20 in Fig. 4, said cylinder being slidably mounted on a piston 21 carried by a post 22 resting on a stirrup 23, and said cylinder being provided with an operating grip or handle 24 which is bored as shown at 25, to establish communication between the interior of the cylinder and the inlet portion 7 of the tubular member 6 of the whistle. In using this form of the invention the stirrup 23 is placed on the ground and by placing the foot on the stirrup the officer is enabled to hold the whistle in position without using his hands therefor, so that both hands are left free for other purposes, for example, in directing traffic. When he desires to operate the whistle he grasps the handle 24 and

pushes it down, causing a blast of air to be ejected through the whistle from the cylinder 20, thereby operating the whistle.

What I claim is:

1. The combination of a blowing device and frame having a passage communicating with said blowing device, and a whistle pivotally mounted in said frame and provided with a mouth piece which is adapted in one position of the whistle to register with said passage and movable to another position in which the mouth piece is exposed.

2. The combination of a blowing device and frame having a passage communicating with said blowing device, and a whistle pivotally mounted in said frame and provided with a mouth piece which is adapted in one position of the whistle to register with said passage and movable to another position in which the mouth piece is exposed, and means on said frame and whistle for retaining the whistle in either of said positions.

In testimony whereof, I have hereunto set my hand at Los Angeles, California, this 17th day of November, 1913.

ROBERT M. STUART.

In presence of—
A. P. KNIGHT,
LORRAINE E. DURROW.

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