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R. G. DYSON ET AL

BLOWING DEVICE

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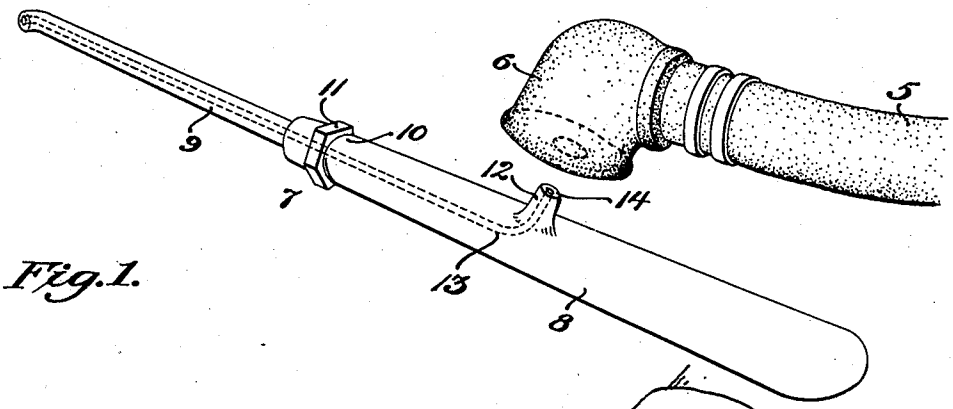


Fig. 1.

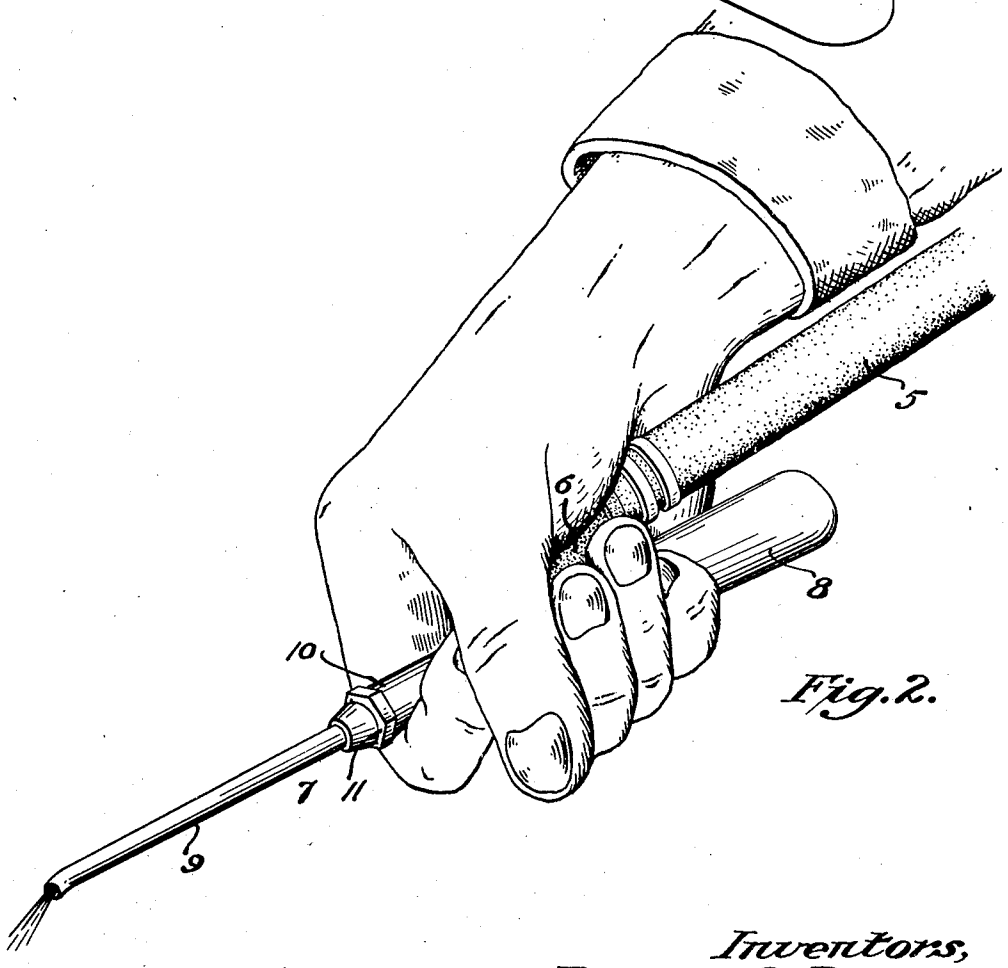


Fig. 2.

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UNITED STATES PATENT OFFICE.

ROBERT G. DYSON, OF TROOPER, AND HARVEY S. PLUMMER, OF FAIRVIEW VILLAGE, PENNSYLVANIA, ASSIGNORS TO FRANKLIN AIR COMPRESSOR WORKS, OF NORRISTOWN, PENNSYLVANIA, A CORPORATION OF PENNSYLVANIA.

BLOWING DEVICE.

Application filed December 9, 1924. Serial No. 754,755.

To all whom it may concern:

Be it known that we, ROBERT G. DYSON and HARVEY S. PLUMMER, citizens of the United States, residing, respectively, at Trooper, in the county of Montgomery and State of Pennsylvania, and Fairview Village, in the county of Montgomery and State of Pennsylvania, have invented certain new and useful Improvements in Blowing Devices, of which the following is a specification.

The ordinary air service hose, such as used for inflating automobile tires, has on its end a device which when slipped over the tire-inflating stem allows the compressed air to pass into the tire. Said end device ordinarily includes a valve which closes automatically upon removal from the tire-inflating stem and remains closed until again slipped over the tire-inflating stem. In other words, the mere application of said device to a tire-inflating stem effects the opening of said valve to inflate the tire, and the removal of said device from the inflating stem effects the automatic closing of the valve as above mentioned.

In view of the above conditions such air service hoses are ordinarily not used for any purpose other than for inflating tires.

One object of our invention is to provide a handy device which can be conveniently employed for utilizing the air from such air service hoses for such purposes as cleaning and blowing out the dirt from various parts of an automobile.

Another object is to so construct our improved blowing device that it can be used to direct the air to locations ordinarily inaccessible for cleaning purposes.

These objects and other advantageous ends which will be set forth hereinafter, we attain in the following manner, reference being had to the accompanying drawing in which

Figure 1 is a perspective view showing our improved blowing device detached from an air service hose, and

Figure 2 is a perspective view showing our invention as it appears when in use.

Referring to the drawing, 5 represents an ordinary compressed air service hose provided at its end with a tire-inflating device 6, as previously mentioned, such for example as the well-known Schrader air chuck.

Our improved blowing device 7 includes an elongated body portion or hand grip 8 which is preferably made of cast metal. A spout 9 is secured to the end 10 of the body portion 8 by a coupling nut 11. The body 8 between its ends has a nipple 12 projecting therefrom as clearly shown in Figure 1. A passage or duct 13 leads from the outer end 14 of the nipple 12 into the body portion and then forwardly through the end 10 where it registers with the passage of the spout 9.

In using our improved blowing device the air chuck 6 is grasped in the palm of the hand and the body portion 8 is grasped by the fingers with the nipple 12 registering with the hole in the air chuck 6. The air chuck 6 and body portion 8 are then squeezed by the hand, as shown in Figure 2 of the drawing, and the nipple will then enter the air chuck causing the opening of the valve and the passage of air through the duct 13 and spout 9.

By having the nipple 12 positioned between the ends of an elongated body, certain of the fingers can be positioned at opposite sides of a central transverse plane passing through the body 8 and nipple. This arrangement insures a firm and steady grip of the blowing device 7 and the operator can easily hold the member 6 and body portion 8 together and at the same time the hand can be freely moved to direct the air to any desired locality.

Our improved device can be used for cleaning out small tubes and conduits or, if desired, it can be used for cleaning the upholstery of an automobile since the arrangement is such that the spout can be easily projected through small spaces and into places difficult to clean.

It will be noted that the nipple 12 forms a coupling means with the member 6 and, when holding the hand as above described, these two parts serve as means for connecting the passage 13 with the air service hose. However, upon release of the pressure of the hand, the nipple 12 can be withdrawn from the member 6 and the device 7 will then be detached and can be kept in a tool box or other convenient place. These de-

vices can be carried by the owners of automobiles and furthermore, they can be kept handy by service station men so that when it is desired to use air for other than tire-inflating purposes, such air can be readily obtained through the medium of our improved device.

It will be further noted that the member 6 fits over the nipple 12 in the same manner as it fits over the inflating stem of an automobile tire. Also we preferably make the outer surface of the nipple 12 slightly tapered so that it will form a snug fit within the hole of the member 6.

Having thus described our invention what we claim as new and desire to secure by Letters Patent is:

1. A blowing device for the purpose described including a portion providing an elongated hand grip having a nipple projecting laterally therefrom and adapted to be pushed into the hole of an air chuck and release the air therefrom, said device having an air outlet duct running inwardly from the outer portion of said nipple through the nipple and then forwardly through said hand grip in the direction of its length.

2. A blowing device for the purpose described including an elongated body portion forming a hand grip and having a valve-opening coupling nipple projecting laterally therefrom, said body portion having an air outlet passage which extends through said nipple and longitudinally through the body portion.

3. A blowing device for the purpose described including an elongated body portion having a valve-opening coupling nipple projecting laterally therefrom, said body portion forming a hand grip and having an air outlet passage which extends through said nipple and then longitudinally through the body portion, and a spout connected to said body portion and registering with said passage.

In testimony whereof we have signed our names to this specification.

ROBERT G. DYSON.
HARVEY S. PLUMMER.