March 20, 1928. 1,663,064

H. R. VAUGHAN

TORCH

Filed May 14. 1927

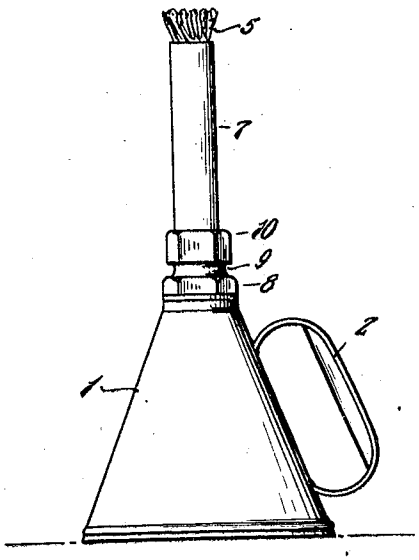


Fig. 1.

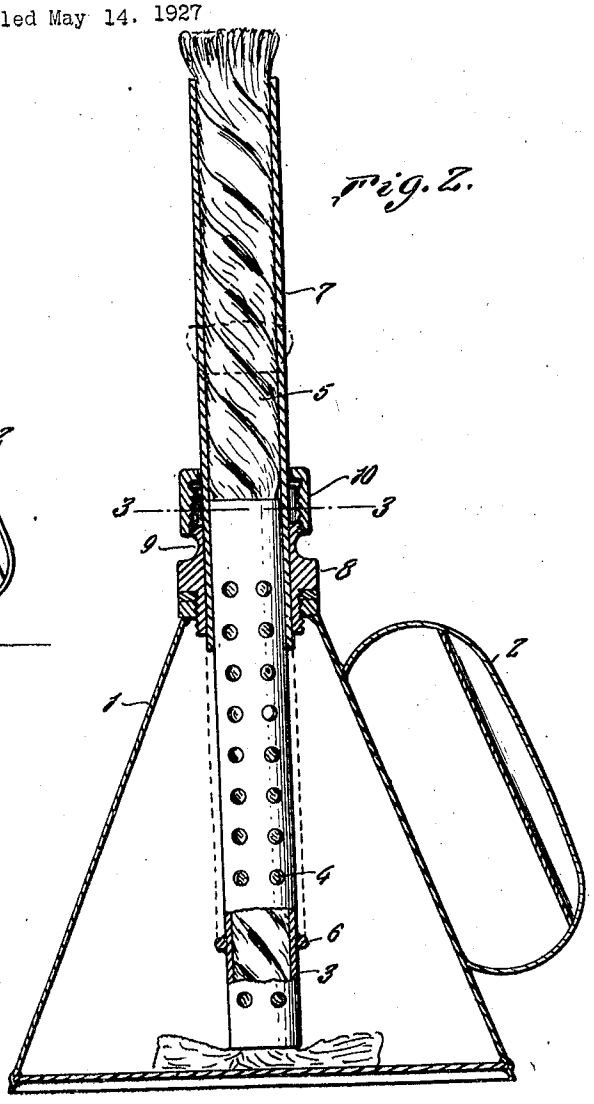
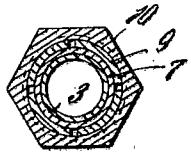


Fig. 2.

Fig. 3.



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UNITED STATES PATENT OFFICE.

HOWARD R. VAUGHAN, OF VICTORIA, VIRGINIA.

TORCH.

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My present invention has reference to improvements in kerosene or like liquid fuel burning hand torches and my primary object is the provision of a simple but thoroughly effective means for regulating or adjusting the wick of such torches.

A further object is to arrange around the wick tube of a torch of this character a sleeve that is slidable in both directions of the tube and is provided with means for holding the same adjusted, the outer end of the wick being passed through the sleeve, so that the sleeve may be adjusted and properly arranged with respect to the burnt outer end of the wick.

To the attainment of the foregoing, the improvement consists in the novel construction, combination and operative association of parts as set forth in the following description and pointed out with particularity in the appended claims.

In the drawings:

Figure 1 is a side elevation of a torch in accordance with this invention.

Figure 2 is a central longitudinal sectional view and on an enlarged scale.

Figure 3 is a sectional view on the line 3—3 of Figure 2.

The conical body of the torch is indicated by the numeral 1 and is provided on its side with the usual handle 2. Passing through the restricted upper mouth portion of the body 1 there is a wick tube 3. The tube has its lower end disposed a suitable distance from the bottom of the can or body 1, the said tube being perforated, as at 4, and receiving therethrough the usual wick 5. The tube, adjacent to its lower end, is surrounded by a ring 6 which is soldered or otherwise fixed thereon.

Arranged to surround and slidably mounted on the wick tube 3 there is a sleeve 7. Threaded in the mouth of the body 1 there is a nut 8. This nut has an outer exteriorly threaded portion 9 that has rightangular slits therethrough so that the said portion 9 is compressible. The tube passes directly through the nut 8. Screwed on the outer compressible end 9 of the nut 8 there is a cap nut 10 through which the tube 7 also passes. The wick 5 is, of course, directed through the tube 7, and it will be apparent that by adjusting the cap nut 9 on the fixed nut 8 the sleeve 7 may be held in desired adjustable positions on the wick tube 3.

By an arrangement as above described it will be seen that as the wick burns and the sleeve 7 is moved downwardly on the wick tube 3, and locked thereon by the nut 10, a proper adjustment may be at all times retained between the outer end of the sleeve and the outer or burnt end of the wick, so that the necessity of moving the wick longitudinally through the wick tube 3 is entirely and effectively dispensed with. The downward movement of the sleeve 7, that is the movement of the sleeve into the body 1 is limited by the contact of the sleeve with the stop ring 6.

The improvement is of an extremely simple construction and as a matter-of-fact may provide an attachment for any torch or wick burning lamps. It will be obvious that with my improvement the entire burnable portion of the wick may be used without waste and, as stated, without the necessity of the ordinary adjustment, and the advantages thereof will, it is thought, be perfectly understood and appreciated by those skilled in the art without further detailed description.

Having described the invention, I claim:—

1. In a device for the purpose set forth, the combination of a torch body, a wick tube therein and a wick extending through the tube, of a sleeve slidable on the tube and receiving the wick therethrough and means for clamping the sleeve adjusted on the tube.

2. The combination with a torch body having a wick tube therein, and a wick received through said tube, of a sleeve slidable on the tube, movable through the torch body, means for clamping the sleeve adjusted on the tube and means for limiting the movement of the sleeve in the direction of the tube.

3. The combination with a torch body having a wick tube therein and a wick passing through the tube, a nut member screwed in the mouth of the body and having an outer threaded portion which is slitted, a sleeve slidable through the nut and surrounding the wick tube and through which the wick also passes, a cap nut surrounding the sleeve and engaging the compressible end of the nut and a stop ring on the wick tube adjacent to the lower end thereof, all as and for the purpose set forth.

In testimony whereof I affix my signature.

HOWARD R. VAUGHAN.