Nov. 20, 1928. 1,692,734

W. W. HASLETT

BLOWTORCH

Filed June 21, 1927

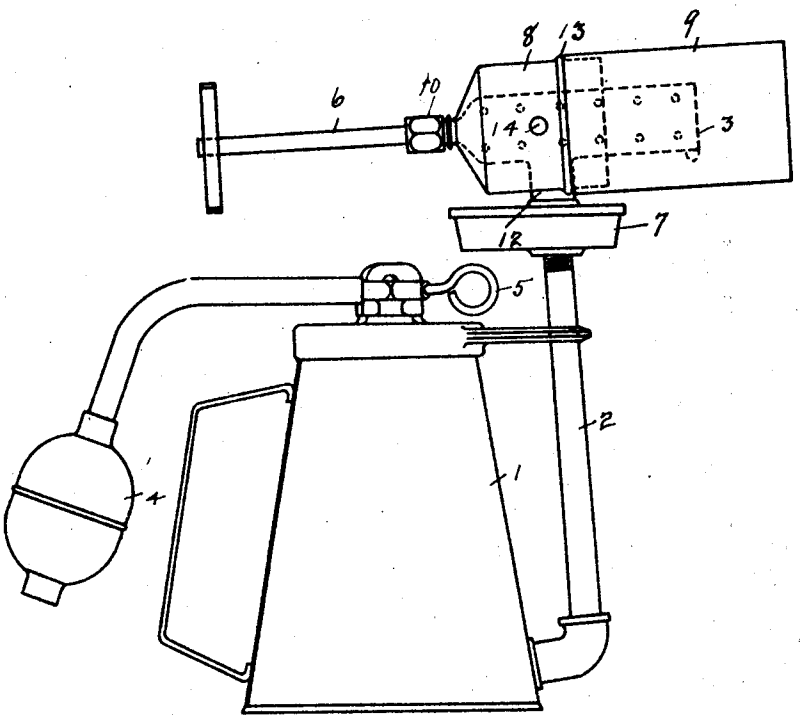


Fig. 1.

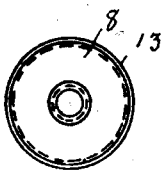


Fig. 3.

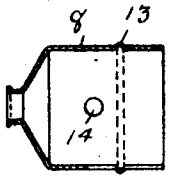


Fig. 2.

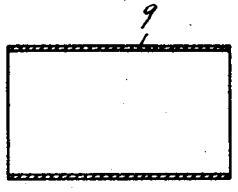


Fig. 4.

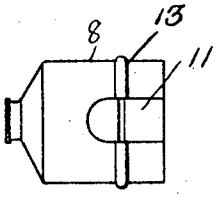


Fig. 5.

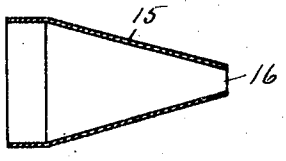


Fig. 6.

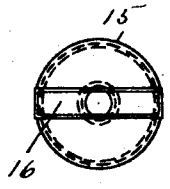


Fig. 7.

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UNITED STATES PATENT OFFICE.

WARREN W. HASLETT, OF BALTIMORE, MARYLAND.

BLOWTORCH.

Application filed June 21, 1927. Serial No. 200,485.

This invention relates to improvements in paint burners, and has for its object to provide a burner which is inclosed within a removable wind shield, thereby keeping the burner hot at all times and preventing the burner from being cooled off by the air and the flame extinguished when the burner is used in the open.

The invention consists of the novel construction and arrangement of the parts and combination of the parts hereinafter more fully set forth in the following specifications and pointed out in detail in the appended claim.

In the accompanying drawing—

Figure 1 is a side elevation of the paint burner showing my invention applied thereto.

Figure 2 is a vertical longitudinal section of the rear section of the wind shield.

Figure 3 is an end view of Figure 2.

Figure 4 is a vertical longitudinal section of the front section of the wind shield.

Figure 5 is a bottom view of the rear end of the wind shield.

Figure 6 is a modification of the front end of the wind shield.

Figure 7 is an end view of Figure 6.

Referring to the accompanying drawings forming part of this specification and in which like reference numerals designate like parts throughout the several views thereof 1 represents the receptacle for holding the gasoline having a pipe 2 at its lower end leading to the burner 3. The said tank 1 is provided with a bulb or other suitable means 4 for forcing air into the said receptacle 1 and a valve 5 to cut off the air passage after the tank has been filled with sufficient air. The burner 3 is provided with the usual needle valve 6 to control the flow of gasoline to the burner 3. Under the burner 3 is the usual receptacle 7 which is filled with gasoline to heat the burner sufficiently to start the operation. The wind shield is composed of two sections 8 and 9, the said section 8 being held against the rear of the burner 3 by the nut 10 on the stem of the needle valve 6, and is provided with a cut-out portion 11 which fits around the lower projection 12 of the burner 3. The said section 8 is also provided with an annular shoulder 13 against which the end of the section 9 impinges when it is fitted over the end of the section 8 as shown in Figure 1 of the drawing. The rear section 8 of the wind shield is provided with vents 14 on each side thereof.

In Figure 6 of the drawing I have shown a modification of the front section 15 of the wind shield, the same being tapered to a narrow opening 16 for the purpose of throwing a flat flame.

The operation of the device is as follows:

After the receptacle 1 has been supplied with air and gasoline and the burner 3 heated in the usual manner the needle valve 6 is opened, which starts the flame from the burner 3, the said burner 3 being entirely surrounded by the sections 8 and 9 of the wind shield will keep the said burner heated and prevent the burner from being cooled off and the flame extinguished, when the device is used in the open.

Having thus described my invention what I claim is:—

The combination with a burner, of an air and gasoline receptacle, a pipe connecting said receptacle with the burner, a needle valve to control the flow of air and gasoline to the burner, a wind shield surrounding said burner and comprising two sections, one of which sections is removably fitted to the needle valve stem and is provided with a cut out portion which fits around the lower portion of the burner and an annular shoulder on its outer surface and the other section being removably fitted over the end of the first named section and adapted to impinge against said annular shoulder.

In testimony whereof I affix my signature.

WARREN W. HASLETT.