April 19, 1932. W. W. HARRIS 1,854,791

GAS EXTENSION LIGHT

Filed Oct. 5, 1929

Fig. 1.

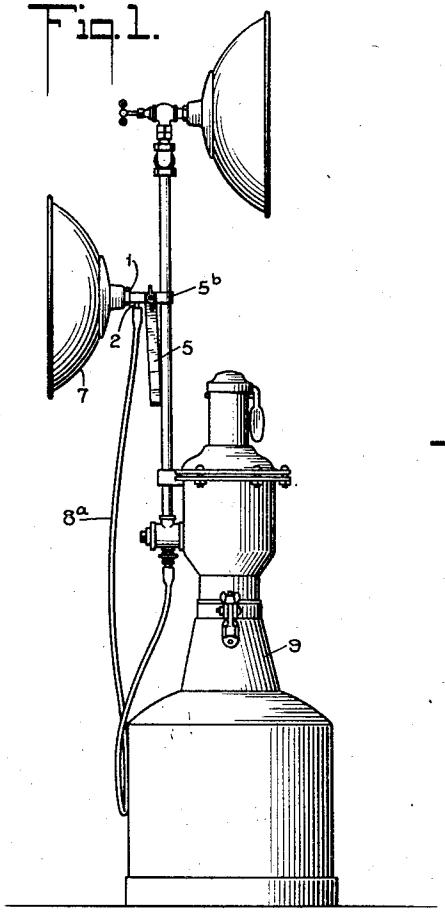


Fig. 2.

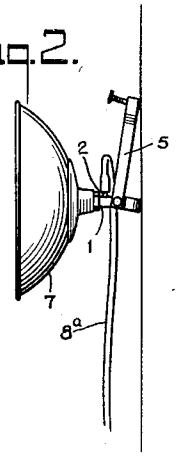


Fig. 3.

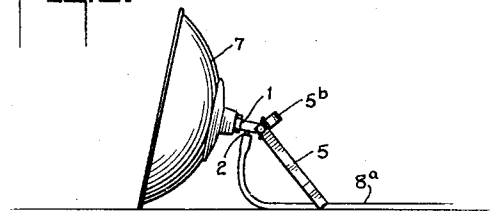


Fig. 4.

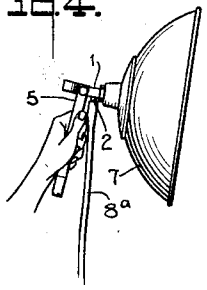
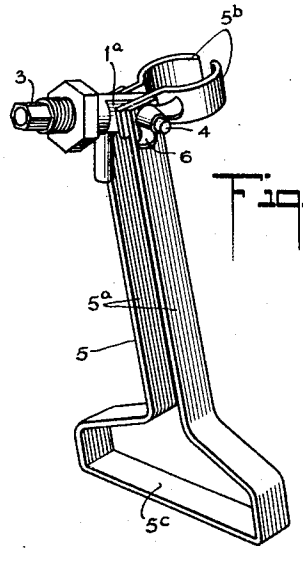


Fig. 5.



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UNITED STATES PATENT OFFICE

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GAS EXTENSION LIGHT

Application filed October 5, 1929. Serial No. 397,621.

This invention relates to gas extension lights, and in certain features thereof particularly for use in connection with acetylene flood-light generators.

It will be understood, however, that its main features are equally adaptable for use in connection with many other light sources, such, for instance, as tanks of compressed acetylene or other illuminating gases.

An object of this invention is to provide an extension light that may be carried or positioned in places where it would be inconvenient or impossible to convey or place the generating apparatus.

Another object of this invention is to provide simple means by which the light is instantly adaptable to various positions and purposes of use such as clamping it to the stand-pipe of the generator at any desired angle of reflection; carrying in the hand; hanging it upon a nail or other projection or resting it on the ground where it may be quickly adjusted to any desired angle of light direction.

Other objects and features of my invention will appear more fully from the following description and accompanying drawings, in which—

Fig. 1 shows my extension light clamped on the stand-pipe of a portable acetylene generator of the type fully described in a copending application of even date herewith, and connected by a flexible gas conduit thereto.

Fig. 2 shows the light as suspended from a nail, or, as may be, from some other sort of projection.

Fig. 3 shows the light resting on the ground at one of the variously predeterminable angles of light reflection.

Fig. 4 shows the light as carried by the hand.

Fig. 5 is a perspective view of my invention minus the reflector.

Referring particularly to Fig. 5 the burner base 1 is provided with a conduit nipple 2 and with a gas passage therefrom to the burner 3. The reflector shown as 7 in the other drawings, may be secured to the burner base 1 by screw-threaded or other desirable means. The burner base 1 is flattened at its rearward portion 1*a* and is provided with a drilling to receive the clamping bolt 4. The supporting frame 5 is preferably formed of flat metal stock which allows the arms 5*a* to spring toward each other and contact with the flattened portion of the burner base 1 when clamped thereto at any desired angle, by the tightening of the wing nut 6. The stand-pipe clamping pieces 5*b* are preferably welded to the arms 5*a* thus becoming practically integral with the supporting frame 5.

With the rim of the reflector 7 resting on the ground, as in Fig. 3, the stability of the light is assured by the elongated formation of the base portion 5*c* of the supporting frame 5.

While the flexible gas conduit 8*a* in Fig. 1 is shown as a short length and for the particular purpose of arranging a double light on the single apparatus stand-pipe, it will be understood that the flexible conduit 8 as portionally shown in Figs. 2, 3 and 4, may be of sufficient length to permit of positioning the extension light in places inaccessible to the generating apparatus 9 and more or less remote therefrom, such, for instance, as under a railroad wreck, or as being suspended from the arm of a derrick.

It will be obvious, from previous explanation and by reference to the drawings, that the angle of light projection is quickly adjustable in all of the adaptations of the invention shown in the various figures.

I claim:

1. In a gas extension light, a burner base, a supporting frame having formations comprising hand hold portions terminating in clamping arms and further including a ground rest portion which also serves as suspension means, and compression means for securing said supporting frame to said burner base at variably desired angles, the said compression means, also serving to secure the termini of said clamping arms to the stand-pipe of a generating apparatus.

2. In a gas extension light, a burner base, a reflector secured to said burner base, a supporting frame pivotally connected to said burner base, said frame comprising a mem-

ber having a looped portion, said looped portion having a flattened end face serving in cooperation with the rim of said reflector as a stable ground rest, and means for clamping said supporting frame to said burner base at variably desired angles.

3. In a gas extension light, a burner base, a reflector secured to said burner base, a supporting frame comprising two members, and means for jointly pivotally connecting said two members to said burner base at variably desired angles, one of said members having a looped portion, said looped portion having a flattened end face, said other member being of less length than said looped member and terminating in a clamping portion, whereby optionally said members may cooperatively with one another serve to suspend the extension light from a suitable support or said one member cooperate with the rim of the reflector as a ground rest.

In testimony whereof I have signed this specification this 3rd day of October 1929.

WILLIAM W. HARRIS.