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FLASHLIGHT HOLDER

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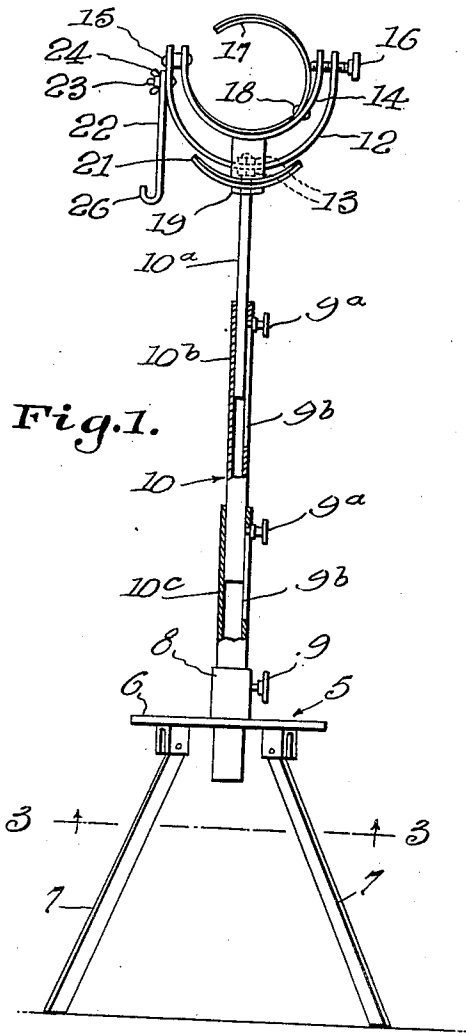


Fig. 1.

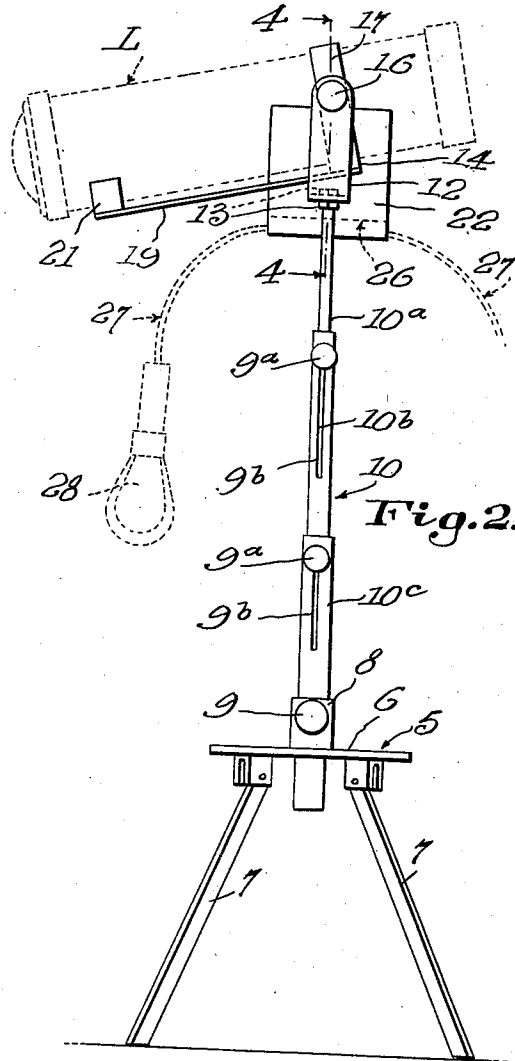


Fig. 2.

Fig. 3.

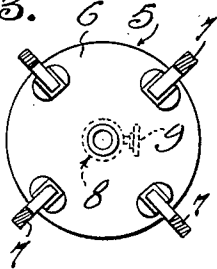
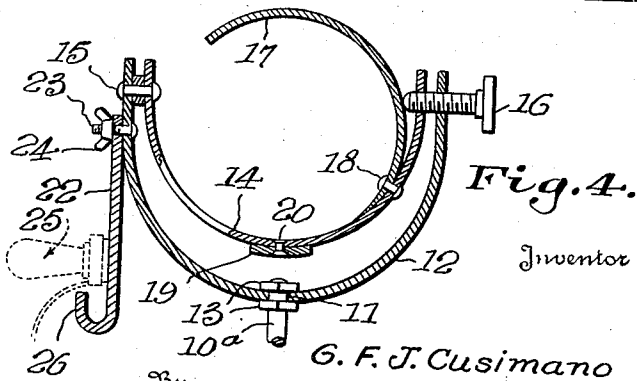


Fig. 4.

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UNITED STATES PATENT OFFICE

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FLASHLIGHT HOLDER

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5 Claims. (Cl. 248—278)

The invention relates to a novel stand for holding an ordinary flashlight in position to direct its rays in the desired direction, leaving both hands of the user free to perform work or other duties in the light shed by the flashlight. The stand also preferably embodies a plate for engagement with a magnetic trouble light to support the latter, and said plate is preferably provided with a hook for holding the cord of an ordinary extension light.

The principal object of the invention is to provide a rather simple and inexpensive device of the class set forth, yet one which will be very convenient, easily adjusted and generally desirable.

With the foregoing in view, the invention resides in the novel subject matter hereinafter described and claimed, the description being accomplished by reference to the accompanying drawing.

Figures 1 and 2 are side elevations at right angles to each other, a portion of Fig. 1 being broken away and in section.

Figure 3 is a horizontal sectional view on line 3—3 of Fig. 1.

Figure 4 is an enlarged vertical sectional view on line 4—4 of Fig. 2.

In the drawing above briefly described, the numeral 5 denotes a base which is preferably in the form of a table having a top plate 6 and foldable legs 7, said top plate being provided with an opening and with an upstanding rigid sleeve 8 around said opening, said sleeve being equipped with a set screw 9. A vertical standard 10 is provided composed of adjustably connected sections 10^a, 10^b and 10^c, the latter of which passes slidably through the sleeve 8 and may be locked in one position or another by means of the set screw 9. Other set screws 9^a passing through slots 9^b are provided to adjustably connect the standard sections 10^a, 10^b and 10^c. The upper end of standard section 10^a passes through an opening 11 in a U-shaped metal bar 12, nuts 13 being threaded on said standard section 10^a in contact with the upper and lower sides of said bar to secure the latter to said section. Within the confines of the bar 12, is a second U-shaped bar 14, one end of which is pivoted by a rivet or the like 15 to one end of said bar 12, while the other ends of the two bars are pivoted together by means of a set screw 16 threaded through openings in both of them. A spring metal strip 17 of arcuate form, is riveted or otherwise secured at 18 to the bar 14 and cooperates with the lat-

ter in forming a substantially circular clamp for an ordinary flashlight L, said strip 17 being disposed in contact with the inner end of the screw 16 so that by tightening the latter, said strip may be inwardly sprung to hold the flashlight, while loosening of the screw will permit outward swinging of said strip to free the flashlight.

The pivot 15 and the screw 16 are axially aligned, permitting the clamp 14—17 to be swung about a horizontal axis to dispose the flashlight L at any desired angle, and the friction of the threads of the screw 16 upon the threads of the bars 12—14, together with the friction at the pivot 15, serve to hold said clamp in one position or another.

Preferably, an arm 19 formed of a metal strip, is secured at one end by a rivet or the like 20 to the central portion of the bar 14, while the other end of said arm is provided with a U-shaped rest 21 for the flashlight L. This arm and rest assist materially in holding the flashlight against canting within the clamp 14—17. Moreover, the rest 21 and the clamp may in some instances be used for holding certain types of trouble lights.

At the outer side of one end of the bar 12, I have shown a vertical plate 22 which is connected with said bar end by a bolt 23 having a wing-nut 24. This plate is instrumental, if desired, in holding a trouble light 25 having a magnetic base (dotted lines in Fig. 4). The lower edge of the plate 22 is preferably bent upwardly to provide a hook 26 to hold the cord 27 of an extension light 28, if desired, as seen in dotted lines in Fig. 2. By loosening the nut 24, the plate 22 may be swung to any desired position, being held in such position by tightening of said nut.

The device is exceptionally simple and inexpensive, may be readily manipulated to have the flashlight or other light shed its rays at the desired point, and is of general advantage where the use of such a light is necessary, leaving both hands of the user free. When the device is not in use, the stand may be vertically collapsed and the legs folded to occupy little space.

I claim:

1. In a light holder, a standard, a U-shaped bar secured between its ends to said standard, a second U-shaped bar within the confines of the first named bar, means pivotally connecting the ends of the two bars to permit swinging of the inner bar, means for holding a flashlight against the inner side of said inner bar, an arm secured to and projecting from the central portion of said inner bar for pivotal movement bodily therewith,

and a flashlight rest carried by the free end of said arm.

2. In a light holder, a U-shaped bar, a second U-shaped bar within the confines of the first named bar, means pivotally connecting the ends of the two bars to permit swinging of the inner bar, means for holding a flash-light against the inner side of said inner bar, an arm secured to the central portion of said inner bar for pivotal movement bodily therewith, and a flash-light rest carried by the free end of said arm.

3. In a light holder, a U-shaped bar, a second U-shaped bar within the confines of the first named bar and pivotally connected therewith, an arcuate spring metal strip connected at one end with an intermediate portion of the inner U-shaped bar and cooperable therewith in holding a flashlight, and a set screw threaded through said inner U-shaped bar and bearing against said spring metal strip for springing the same inwardly.

4. In a light holder, a U-shaped bar, a second U-shaped bar within the confines of the first named bar, means pivotally connecting the two bars at one end, a set screw threaded through the other end of said bars, and a spring metal strip of arcuate form connected at one end with an intermediate portion of the inner U-shaped bar and cooperable with the latter in holding a flashlight, the inner end of said set screw being cooperable with said strip for swinging the latter inwardly to light-clamping position.

5. In a light holder, an outer U-shaped bar, an inner U-shaped bar within the confines of the outer U-shaped bar and connected with the ends of the latter, an arcuate clamping member connected with said inner U-shaped bar and cooperable therewith in holding a flashlight, and a set screw for inwardly moving said arcuate clamping member to operative position.

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