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FLASH LIGHT HOLDER

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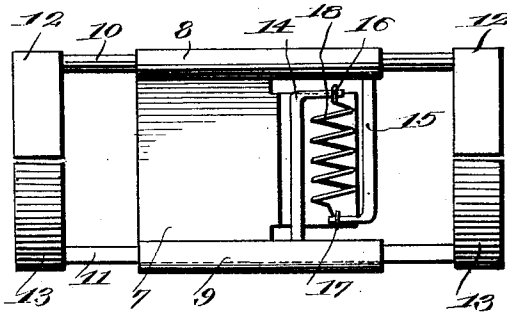
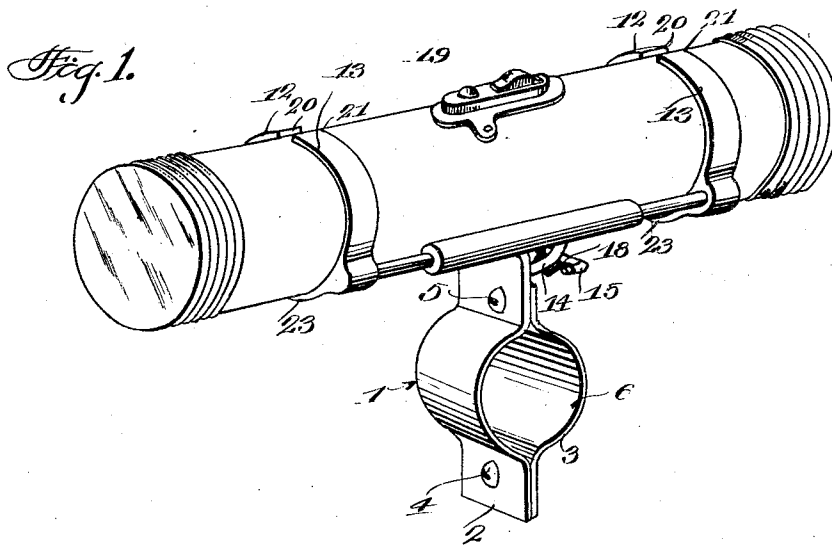


*Fig. 2.*

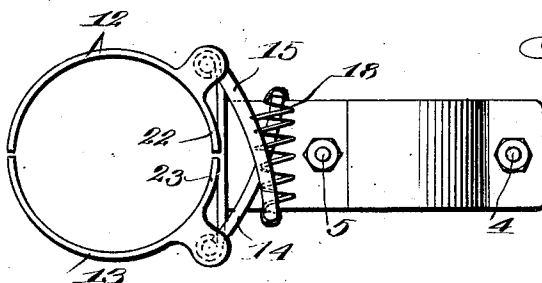


*Fig. 3.*

WITNESS

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## UNITED STATES PATENT OFFICE

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## FLASH LIGHT HOLDER

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My invention relates to improvements in flash light holders, and consists in the combination, construction and arrangement herein described and claimed.

5 An object of my invention is to provide a flash light holder to automatically clasp and hold a flash light when the same is placed therein.

10 Another object of my invention is to provide a flash light holder that will readily permit the easy removal of the flash light.

Another object of my invention is to provide a flash light holder that will tightly and firmly secure a flash light against movement  
15 without marking or otherwise injuring the same.

A further object of my invention is to provide a flash light holder that is readily mountable on any conventional form of support.  
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A still further object of my invention is to provide a device of the type described which is simple in construction, has few parts and is not likely to get out of order easily.

25 Other objects and advantages will appear in the following specification and the novel features of the invention will be particularly pointed out in the appended claims.

30 My invention is illustrated in the accompanying drawings, forming part of this application, in which:

Figure 1 is a perspective view of my device, showing the operative engagement of the flash light;

35 Figure 2 is a top plan view of my device in closed position with the flash light removed; and

Figure 3 is an end elevational view of the invention with the flash light removed.

40 In carrying out my invention I make use of an ordinary collar, generally shown at 1, comprising two parts 2 and 3 connected together by bolts and nuts 4 and 5 providing an aperture 6 therethrough for engagement with a rod or other objects on which it is desired to fixedly position a flash light.  
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Integral with this collar 1 is a plate 7, the turned edges of which provide two longitudinally extending bearings 8 and 9. These  
50 bearings are adapted to receive rock shafts

10 and 11 rotatably mounted therein and provided at each end with a semi-circular arm member 12 and 13, arranged in pairs as disclosed in Figures 1 and 2. These arms as is apparent from the drawings are adapted to receive and hold the flash light. 55

Projecting from the rock shafts 10 and 11 at points within the elongated bearings 8 and 9 are the rocker arms 14 and 15. Suitable slots are provided in these extended bearings 8 and 9 to accommodate the rocker arms 14 and 15 for oscillating movement about the axis of the rock shafts 10 and 11. Secured to the ends of these rocker arms 14 and 15, as shown at 16 and 17 is a spring 18 adapted to be tensioned by said arms when the arms 12 and 13 are in closed or open position. 60

It is readily apparent that my clamp may be used for embracing and holding other objects besides a flash light. 65

From the foregoing description of the various parts of the device, the operation thereof may be readily understood. The holder is mounted upon any suitable support by means of the collar 1 in a well known manner. If it is desired to remove the flash light from its position in the holder as shown in Figure 1, the operator takes hold of said flash light substantially at its longitudinal center, as generally indicated at 19 and pulls upward on the flash light, exerting pressure at points 20 and 21 of the holding arms 12 and 13, and forcing the arms 12 and 13 upward and outward about the axis of the rock shafts 10 and 11. This motion creates a tension on the spring 18 which snaps the arms into open position whereupon a flash light can readily be removed. When it is desired to reposition the flash light in the clamping means it is held at the point 19 as before, placed within the arms 12 and 13 which are open and pressure exerted on said arms by the operator through said flash light at points 22 and 23 of the arms 12 and 13. It can easily be seen that this pressure will move the arms 12 and 13 to their closing position. The spring in this operation is tensioned in the other direction and snaps the arms to closed position. The light is then held securely by means of pressure exerted by the spring, but 70  
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need not be marked or scarred as felt or other suitable cushioning material may be used on the inside of the arms 12 and 13.

I claim:

- 5 1. In an automatic flash light holder, in combination, means for mounting said holder on a support, and means for engaging and disengaging a flash light, comprising extended bearings having slots therein, rock shafts ro-  
10 tatably positioned in said extended bearings and having rocker arms extending through said slots, semi-circular arms non-rotatably mounted on said rock shafts and adapted for engagement with a flash light, and a spring  
15 connecting the ends of said rocker arms.
2. A clamp having spaced parallel bearings, shafts mounted in said bearings oppositely disposed embracing arms pivotally  
20 mounted intermediate their ends on said shafts for engaging an object, and resilient means responsive to pressure on said object for positively moving said embracing arms into and out of engagement with said ob-  
ject.
- 25 3. A clamp having spaced parallel bearings, shafts mounted in said bearings, means on said shafts for engaging an object, arms on said shaft, and resilient means interconnecting said arms to positively actuate said  
30 engaging means into and out of engagement with said object, upon the exertion of pressure thereon.

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