E. G. QUARNSTROM.

PORTABLE ADJUSTABLE HOLDER FOR FLASH LIGHTS.

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1,403,707. Patented Jan. 17, 1922.

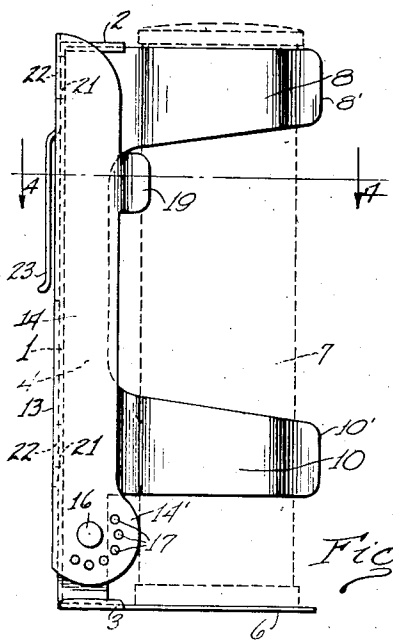


Fig. 1.

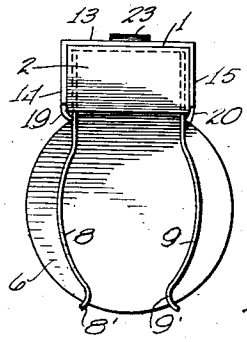


Fig. 3.

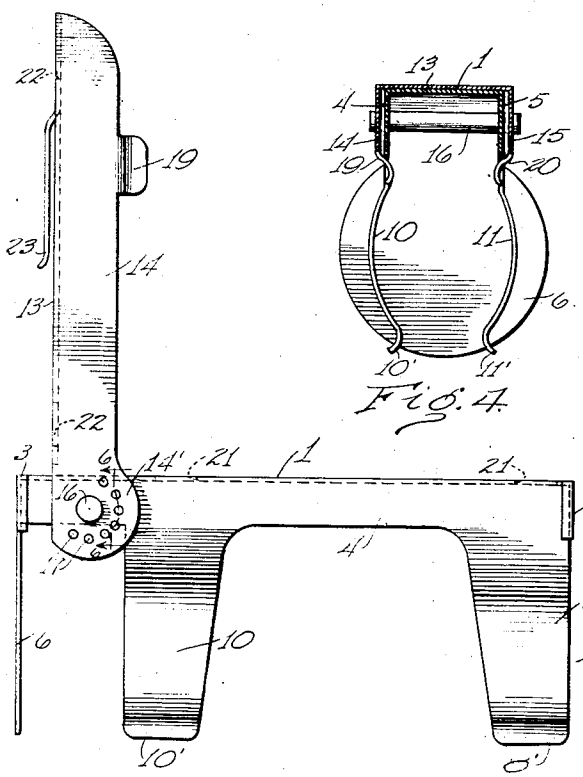


Fig. 2.

Fig. 4.

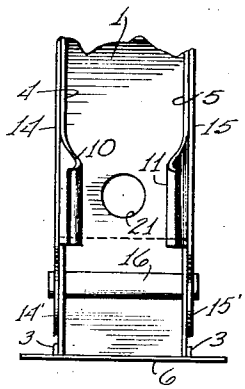


Fig. 5.



Fig. 6.

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PORTABLE ADJUSTABLE HOLDER FOR FLASH LIGHTS.

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To all whom it may concern:

Be it known that I, EDMUND GODFREY QUARNSTROM, a citizen of the United States, and a resident of the city of Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Portable Adjustable Holders for Flash Lights, of which the following is a full, clear, and exact description.

My invention relates to improvements in holders for flashlights, and it consists in the combinations, constructions and arrangements herein described and claimed.

An object of my invention is to provide a holder for a flashlight or the like that is readily portable and is provided with adjustable means whereby the device can be mounted upon a hat, coat, or other article of apparel of the operator, and the light from the flashlight may be directed as desired without it being necessary to hold the device in the hand.

A further object of my invention is to provide a device of the type described that is adapted for mounting on a fixed support, such as a nail or the like.

A further object of my invention is to provide a device of the type described that is simple in construction, effective for the purpose intended, and thoroughly practical commercially.

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.

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

Figure 1 is a side elevation of the device, showing a flashlight engaged thereby,

Figure 2 is a side elevation of the device, the handle portion thereof being shown at right angles to the position occupied by the same in Figure 1,

Figure 3 is a plan view of the device,

Figure 4 is a section along the line 4—4 of Figure 1,

Figure 5 is a front view of the device, the upper portion thereof being broken away, and

Figure 6 is a section along the line 6—6 of Figure 2.

I am aware that prior to my invention holders for flashlights have been provided. I am not aware however of any such device having adjustable means adapted for engaging an article of apparel or the like in such a manner that the light from the flashlight may be directed as desired, as upon work engaging the attention of the operator, with the necessity for holding the device in the hand obviated.

In carrying out my invention, I provide a case embodying a flat body portion 1, having ends 2 and 3 and parallel sides 4 and 5. The lower end 3 has a disk extension 6 providing a base for a cylindrical flashlight 7. The sides 4 and 5 are formed with pairs of arm extensions 8 and 9, and 10 and 11 respectively, these extensions being curved to embrace the flashlight 7 as shown.

The casing is provided with a combination outer cover and handle 13 having sides 14 and 15 designed to straddle and snugly fit the sides 4 and 5 of the casing. The sides of the handle are enlarged at 14′ and 15′ adjacent their lower ends, and are rotatably mounted on a pivot pin 16 that is projected through the walls 4 and 5 of the casing. The enlarged portions 14′ and 15′ have a plurality of spaced apart inwardly extending projections 17—17 arranged in the arc of a circle and these projections successively engage projecting walls 18—18 extending outwardly from openings in the contiguous surface of the sides 4 and 5. The sides 14 and 15 are fashioned with extensions 19 and 20 which are bent inwardly and then outwardly, as clearly shown in Figure 4 of the drawings, to engage with the edges of the sides 4 and 5 and thereby maintain the handle 13 in the position illustrated in Figure 1. The body portion of the casing and of the outer cover are formed with a plurality of registering openings 21 and 22 respectively and these openings can be projected over the head of a nail or like support, when the handle is in the position relative to the casing illustrated in Figure 1 and the device thus maintained in a desired position as when not in use, wherefore the loss of the flashlight 7 or accidental injury thereto may be prevented. In addition, a portion of the body portion of the combination outer cover and handle is bent outwardly to provide a clip 23, as clearly shown in the drawing.

From the foregoing description of the various parts of the device, the operation thereof may be readily understood. The

casing of the device and the handle therefor are preferably made of material having inherent spring qualities and a flashlight placed in the position shown in Figure 1 will be held in such position by the pairs of extensions to the sides 4 and 5, such extensions being in fact spring clamping members. It will be observed that the extensions 8 and 9 are curved outwardly at 8′ and 9′ respectively and that the extensions 10 and 11 are curved outwardly at 10′ and 11′ in a like manner, wherefore the extensions 8 and 9, and 10 and 11 are sprung outwardly by stress applied to a flashlight and held against the same at the outer ends thereof and the flashlight can be readily moved into the position shown, the extensions then moving to initial position and clamping the flashlight. When the combination outer cover and handle portion occupies the position relative the casing shown in Figure 1, the registering openings 21 and 22 can be projected over the head of a nail or the like and the device will be thus maintained in a fixed position. The clip 23 is adapted for engaging a coat pocket, button hole, hat band, or like article of apparel and the device can be secured to the clothing of an operator when in the condition shown in Figure 1, or when the handle of the device has been moved about its pivot toward the position illustrated in Figure 2. On account of the engagement of the projections 17—17 with the opening having projecting walls 18—18, the casing will be maintained in adjusted position relative to the handle and the light from the flashlight can then be directed as desired and the operator will have both hands free for performing work or for other uses. Obviously the device, when in the condition shown in Figure 2, can be fixedly secured in adjusted position by projecting the opening 22 over the head of a nail or like supporting member.

The device is light in weight and is adapted for carrying about on the person, and at the same time is thoroughly effective for the purpose intended. It is particularly adapted for use under varying service conditions, no matter how restricted the space in which the operator is working may be. Obviously the device will be maintained in upright position when resting on its end 3 and base 6.

I claim:

1. A device of the character described comprising a casing having a lateral extension at its lower end adapted to support a flashlight casing and being provided with a pair of extensions extending laterally thereof in position to clampingly embrace the flashlight casing, and a combination handle and outer cover formed of a single plate formed to conformably fit the casing and being hinged at its lower end to the latter, said combination handle and cover having integral extensions arranged to frictionally engage the side edges of the casing to normally hold the combination handle and cover contiguous to the latter.

2. A device of the character described comprising a casing formed of a single member formed to provide a flat body portion, parallel sides, and an end adapted to support a flashlight casing, said sides being formed with integral extensions adapted to clampingly embrace the flashlight casing, and a combination handle and cover adapted to conformably fit the body portion and sides of the casing and hinged at its lower end to the sides of the casing, said combination cover and handle being formed with an offset displaced strip portion adapted to engage a support, such as a pocket of a garment, to attach the combination handle and cover thereto.

3. A device of the character described comprising a casing formed of a single member formed to provide a flat body portion, parallel sides, and an end adapted to support a flashlight casing, said sides being formed with integral extensions adapted to clampingly embrace the flashlight casing, and a combination handle and cover adapted to conformably fit the body portion and sides of the casing and hinged at its lower end to the sides of the casing and being attached to its lower end to the sides of the casing by a pivot pin projected through the sides of both the casing and the combination cover handle, each of the sides of the casing being formed with a plurality of openings arranged in an arc of a circle having the axis of the pivot pin as a center and the inner wall of each side of the combination cover and handle being formed with a plurality of projections arranged in the arc of a circle and in position to engage the said openings to normally maintain the first named casing in adjusted angular position with respect to the combination cover and handle.

EDMUND G. QUARNSTROM.