Dec. 30, 1924. 1,520,839

W. C. MUHLHAUSEN

ELECTRIC TORCH HOLDER

Filed April 18, 1922

Fig. 1.

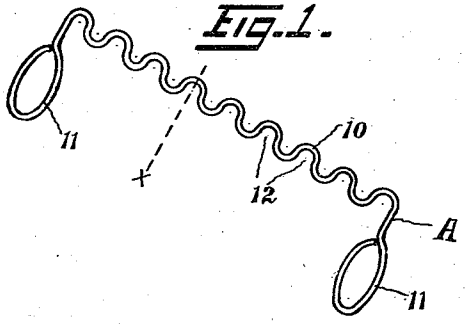


Fig. 7.

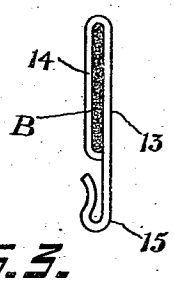


Fig. 8.

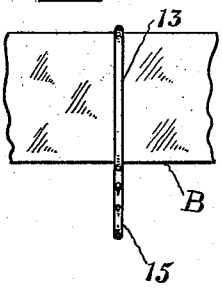


Fig. 2.

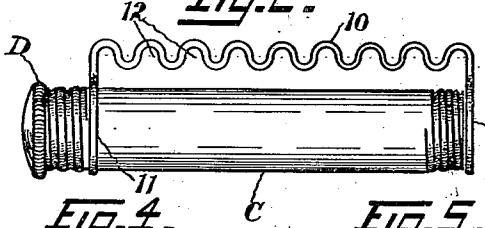


Fig. 3.



Fig. 4.

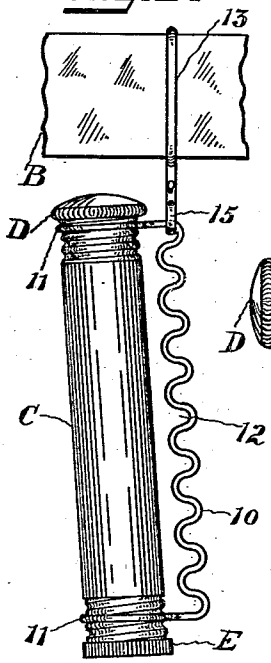


Fig. 5.

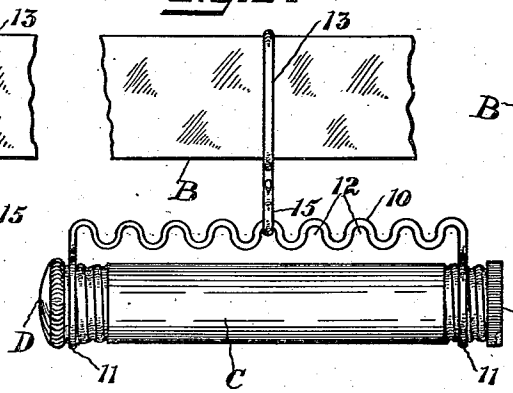
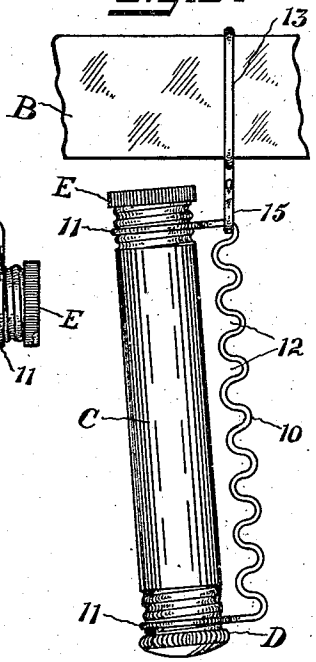


Fig. 6.



Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM C. MUHLHAUSEN, OF BROOKLYN, NEW YORK.

ELECTRIC-TORCH HOLDER.

Application filed April 18, 1922. Serial No. 554,955.

To all whom it may concern:

Be it known that I, WILLIAM C. MUHLHAUSEN, a citizen of the United States, residing in Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Electric-Torch Holders, of which the following is a specification.

My present invention relates to supporting holders, and particularly to holders for supporting electric torches in a desired position, and one object is to provide a holder by which an electric torch may be supported in a desired position by the belt of the user of the torch.

Another object is to provide a holder of this character for supporting an electric torch for the use of workmen, without necessitating the exclusive use of one hand for holding the torch in a desired position.

Another object is to provide a holder of this character for supporting an electric torch for the use of fishermen, campers and woodsmen without necessitating the exclusive use of one hand for holding the torch in a desired position in passing along dark paths or trails in woods or thickets.

In the accompanying drawings which form part of this specification and which show one embodiment of my invention, Figure 1, is a perspective view of my holder detached from the object to be held and detached from the supporting clip associated with the holder.

Figure 2, is a side elevation of my holder partially connected to an electric torch and detached from the supporting clip associated therewith.

Figure 3, is a side view of the screw cap of the charging or loading end of the electric torch, removed from the torch for showing a convenient way of connecting the holder to the torch.

Figure 4, is a view showing the holder connected to an electric torch, the holder being supported by a clip which in turn is supported by the belt of the user of the torch, a fragmentary portion of the belt being shown, and the torch being in a substantially vertical position with its lamp end upward.

Figure 5, is a view showing the holder connected to an electric torch, the holder being supported by a clip which in turn is supported by the belt of the user of the torch, a fragmentary portion of the belt being shown, and the torch being in a substantially horizontal position.

Figure 6, is a view showing the holder connected to an electric torch, the holder being supported by a clip which in turn is supported by the belt of the user of the torch, a framentary portion of the belt being shown, and the torch being in a substantially vertical position with the lamp end downward.

Figure 7, is a sectional view of the supporting clip connected to a supporting belt.

Figure 8, is a fragmentary front view of the supporting belt and a front edge view of the supporting clip.

Similar letters or numerals are used to refer to similar parts throughout the several views.

Referring to Fig. 1, the invention comprises a holder generally denoted by A, of bendable wire, and bent to form a longitudinal sinuous portion 10, and an eye 11 at each end of the sinuous portion, the eyes 11 being arranged in a plane transversely to the plane of the sinuous portion 10. The sinuous portion 10 provides a series of indentations 12, on the side of the sinuous portion 10 towards the object to be held, or towards the eyes 11, the indentations 12 being the engaging or operative indentations of the sinuous portion. The indentations 12 preferably comprise an odd number of indentations for the purpose later stated.

The indentations 12 as shown are rounding or curved, but, as will be readily understood, the portion 10 instead of being made sinuous may be made serrated, the indentations 12 in such case being sharp and angular, but I prefer the first construction as being the stronger and as also permitting more ready movement of the supporting clip from engagement with one indentation to engagement with another indentation for positioning the holder without disengagement of the clip from the portion 10.

The supporting clip 13 is preferably of bent wire and comprises the elongated eye 14 for passing the belt B therethrough, and the hook 15. But I do not restrict myself to an eye such as 14, as this eye may be of any form adapted to receive the belt. Nor do I restrict myself to the spring hook 15, as this may be a snap hook or hook of any form adapted to engage removably with the indentations of the holder and over the

wire of which the indentations are composed.

The electric torch which I have employed for the purpose of illustrating the use of my device, is the customary and well-known form, provided at the lamp end with a removable cap D having an interior thread engageable with an exterior thread on the body of the torch, and having at the loading or charging end a removable cap E, the exteriors of the threads of the caps D and E when engaged with the threads at the respective ends of the torch providing corrugations, the furrows whereof I utilize for the purpose later mentioned.

In operation. Referring to Figs. 2 and 5 the cap E of the torch is removed and one eye 11 of the holder is passed over the body of the torch and moved along until this eye engages the furrows of the cap D; the cap E is screwed over the opposite end of the torch and the second eye 11 is sprung over the cap E and engages the furrows thereof. Referring to Fig 1, if the holder 10 be operatively connected to the torch, not shown in Fig. 1, but readily to be understood, and the clip 13, connected to the belt of the user, is engaged with an indentation 12 between the middle point and one end of the portion 10, as at the point indicated by the broken line X, the torch will hang at an incline substantially like the incline of the holder in Fig. 1. If the lamp end of the torch be upward a cone of light will be thrown upwardly at an incline for illuminating high objects at a distance in advance of the user. If the lamp end be downward a cone of light will be thrown at an incline downwardly upon the ground or other surface in advance of the user. If the clip 13 is engaged with an endmost indentation 12 and the lamp end of the torch is upward, as shown in Fig. 4, the torch will hang substantially vertically and the cone of light will be thrown substantially directly upward, as for illuminating the ceiling. If the clip 13 is engaged with the middle indentation 12, there being an odd number of indentations, as shown in Fig. 5, the cone of light will be thrown in a substantially horizontal line. If the clip 13 is engaged with an end-most indentation 12 and the lamp end of the torch is downward, the torch will hang substantially vertically as shown in Fig. 6 and the cone of light will be thrown substantially directly downward upon the floor or ground. Of the above described positions, it will be seen that the positions mentioned in relation to Figs. 1 and 5 are particularly useful to fishermen, campers and woodsmen, while the positions mentioned in relation to Figs. 4, 5 and 6 are particularly useful to workmen.

Having thus described my invention, it should be understood that there may be modifications thereof and variations therein without departing from the spirit of the invention, or exceeding the scope of the appended claims.

What I claim and desire to protect by Letters Patent is:—

1. In combination, a cylindrical torch having outwardly threaded end portions, interiorly threaded caps engageable with said threaded end portions and when engaged therewith providing outward corrugations on said end portions, a sinuous holder providing a series of indentations odd in number extending from end to end of the holder and having eyes at its ends engageable with said corrugations for removably attaching the holder to the torch, and a clip engageable with the middle indentation of the holder for supporting the torch in a horizontal position.

2. In combination, a cylindrical torch having outwardly threaded end portions, interiorly threaded caps engageable with said threaded end portions and when engaged therewith providing outward corrugations on said end portions, a sinuous holder providing a series of indentations extending from end to end of the holder U-shaped in configuration and having its base adjacent the longitudinal section of the cylinder, and having eyes at its ends engageable with said corrugations for removably attaching said holder to said member, and a clip engageable with an end indentation of the holder for supporting the torch in a vertical position.

3. In a device of the class described, the combination with a cylindrical torch, of a sinuous holder U shaped in configuration, and having its base adjacent the side of the cylinder, a series of indentations of curved configuration extending from end to end of said holder, circular loops at the opposite ends of the holder offset from the main base thereof for removably attaching the holder to said torch, and supporting means engaging with an indentation on said holder for supporting the torch member in any desired position.

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Witnesses:

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