

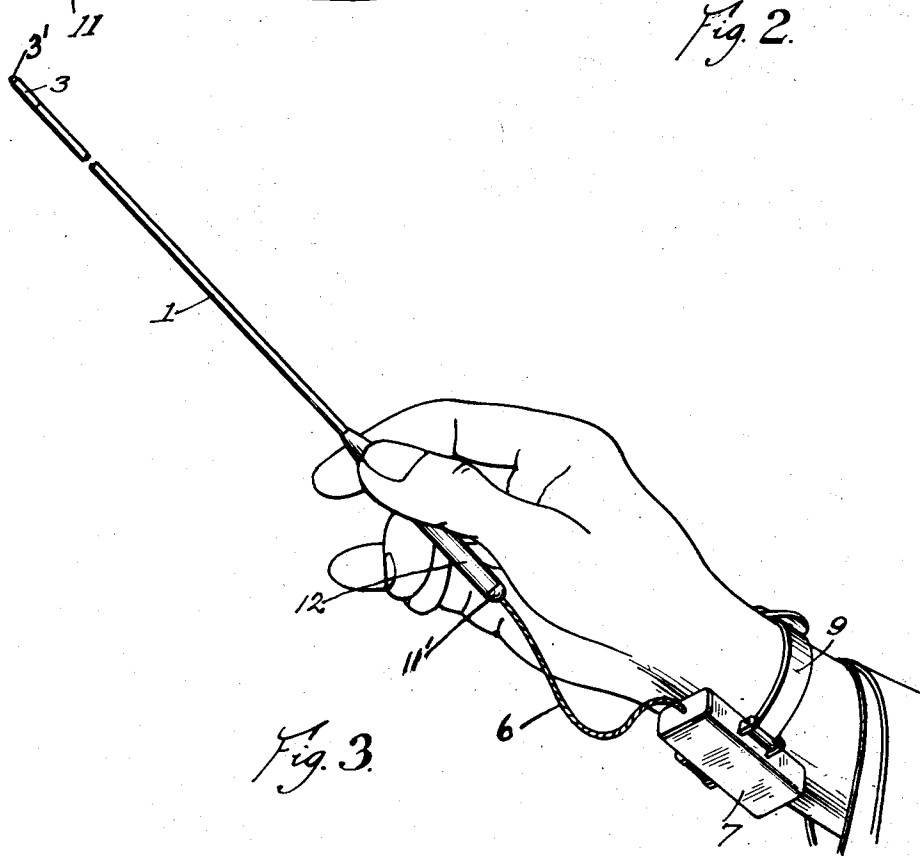
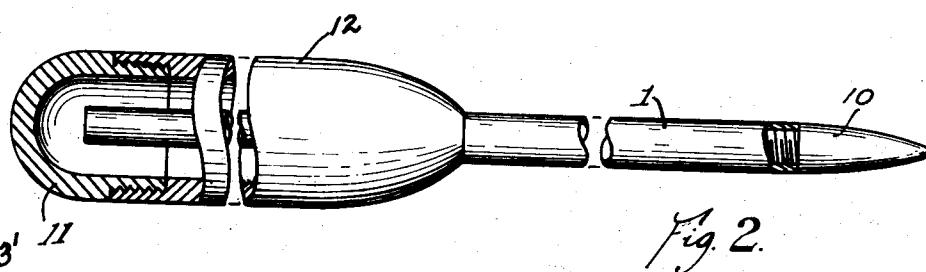
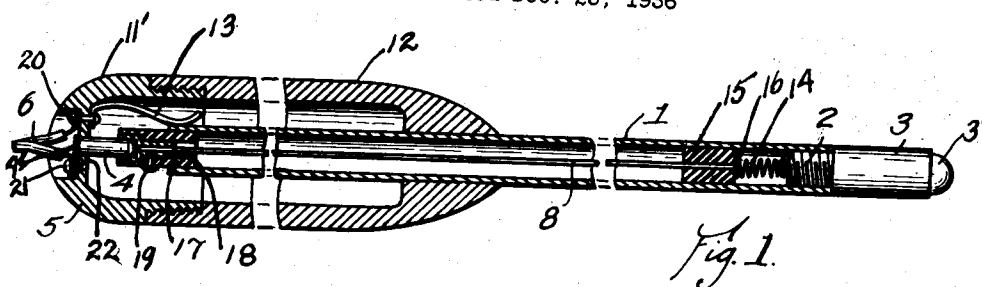
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BATON

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BATON

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2 Claims. (Cl. 240-2)

(Granted under the act of March 3, 1883, as amended April 30, 1928; 370 O. G. 757)

The invention described may be manufactured and used by or for the Government for governmental purposes without the payment to me of any royalty thereon.

This invention relates in general to batons and more particularly to improvements in batons equipped with an electric lamp for use in dark places.

When a baton is employed by an orchestra leader, for instance, and he is in the dark, it is necessary that the baton be illuminated so that the members of the orchestra may observe the movements of the baton. Due to the slimness in design of the conventional baton, it is impractical to incorporate a flashlight battery in the body of the baton to light a lamp positioned at one end thereof. To provide a lighted lamp in the baton it has heretofore been found necessary to use a floor plug, or electric outlet, and plug in lead wires extending to the baton. This makes for a cumbersome arrangement which may readily impede the movements of the baton.

It is therefore an object of this invention to provide a baton with an electric lamp and a source of electric current which may be conveniently carried by the operator and readily detached from the baton and the lamp be conveniently switched on and off by the operator.

Another object is to provide the baton with a removable tip which covers a lamp socket when the lamp is not being used.

With the foregoing and other objects in view, the invention resides in the combination of parts and in the details of construction hereinafter set forth in the following specification and appended claims, certain embodiments thereof being illustrated in the accompanying drawing, in which:

Fig. 1 is a view in longitudinal section through the baton showing a lamp in the socket at one end and a removable plug inserted in the other for electrical supply.

Figure 2 is a side view partly in section, showing the lamp removed, a tip replacing the same and also showing an interchangeable plug without electrical attachments.

Figure 3 is a side view of the baton and battery removably carried by the hand and wrist of the operator.

Referring more particularly to the drawing the slim metallic baton body 1 has its one end carried within a handle 12. The baton body is of the characteristic length and slimness as used by an orchestra leader.

When it is desired to have the tip of the baton illuminated for use in the dark the lamp 3¹ carried by its holder 3 with screw threads 2 is screwed into the outer end of the body 1 against the action of a compression spring 14, as shown

in Figure 2. This spring has a plate 16 abutting an insulating stationary block 15 through which a wire 8 extends to contact the plate 16.

At the other end of the body 1 is a stationary insulating block 17 having a second insulating guide block 18 removably screwed thereto by a set screw 19 and through which block 18 the wire 8 extends. Removably screwed into the inner end of the handle 12 is a plug 11¹. Wires 6 within a cable from an electric battery 7 are connected to bolts 20 and 21 passing through a partition 22 in the plug. Also connected to bolt 21 is a leaf spring carrying a contact 4 adapted to fit within an adjacent socket in the plug 8 and contact the wire 8. To the other bolt 20 is secured a leaf spring 13 bearing against the outer surface of the metallic body 1 to complete the circuit between the battery and the lamp. The battery is conveniently and releasably secured to the operator's wrist, or elsewhere, by such means as a strap 9 as shown in Figure 3.

When there is no need for illumination, the strap 9 and battery are removed from the wrist and the plug 11¹ removed and the plain plug 11 substituted therefor. Inasmuch as the lamp is not needed under such conditions it and its holder 3 may be removed and the plain tip 10 by means of its screw threads 10¹ substituted therefor as shown in Figure 2.

I claim:

1. In combination with a baton having an elongated relatively slender body of the type employed by an orchestra leader, said baton having in one end a socket and an electric lamp releasably fitting therein, a tip interchangeable with said lamp when the latter is not used, an electric conductor extending interiorly of said baton body, an electric battery and a clasp to attach the same to the operator's person, a socket in the other end of said baton body, a plug electrically connected to said battery adapted to fit in said last named socket to furnish current to said lamp, and a cap interchangeable with said plug when said battery and lamp are not used.

2. In combination with a baton having an elongated relatively slender body of the type employed by an orchestra leader, said baton having in one end a socket and an electric lamp releasably fitting therein, an electric conductor extending interiorly of said baton body, an electric battery and a clasp to attach the same to the operator's person, a socket in the other end of said baton body, a plug electrically connected to said battery adapted to fit in said last named socket to furnish current to said lamp, and a cap interchangeable with said plug when said battery and lamp are not used.

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