(No Model.)

# A. J. BRADISH.

## POLICEMAN'S CLUB.

No. 365,904. Patented July 5, 1887.

Fig. 2.

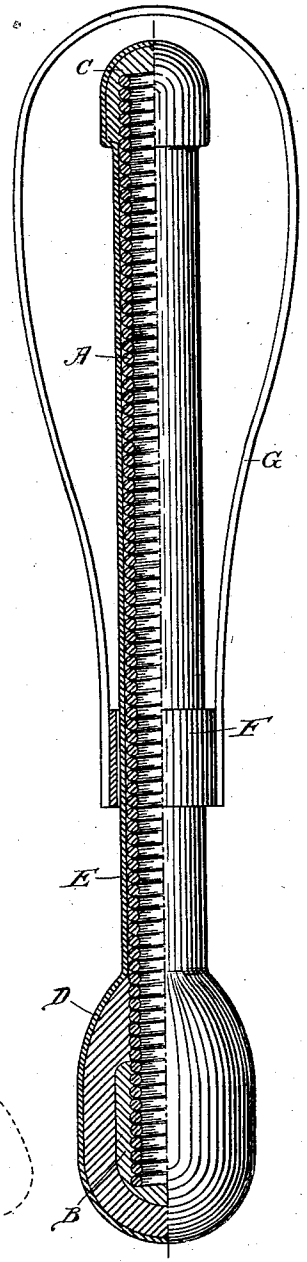
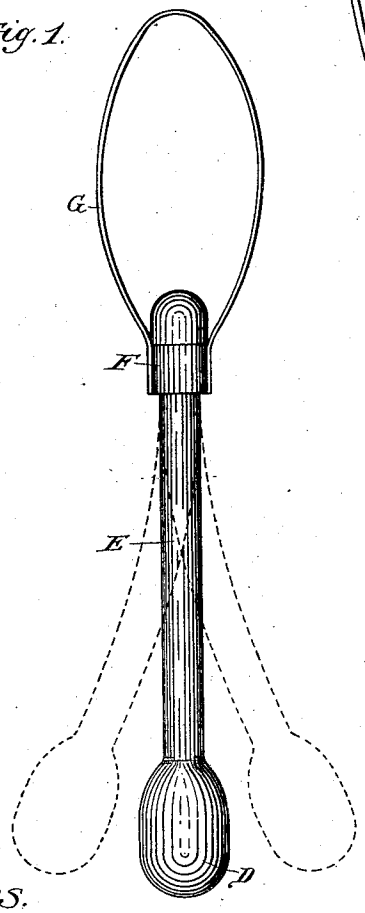



Fig. 1.




Witnesses.

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# UNITED STATES PATENT OFFICE.

AVERY J. BRADISH, OF PULLMAN, ILLINOIS.

## POLICEMAN'S CLUB.

SPECIFICATION forming part of Letters Patent No. 365,904, dated July 5, 1887.

Application filed August 17, 1885. Serial No. 174,541. (No model.)

*To all whom it may concern:*

Be it known that I, AVERY J. BRADISH, a citizen of the United States, residing in Pullman, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Policemen's Clubs, of which the following is a specification.

This invention relates to improvements in policeman's clubs of that class commonly known as "billies," and which consist of a short stem or handle loaded at both ends with lead, and one end having secured thereto a cord rigidly attached or passed through a perforation in said stem.

As heretofore constructed, billies have had their stems composed of a short piece of rope or other material, which, while easily bent, is not sufficiently elastic to readily and quickly resume its normal position, and this stem with the ends of lead have been covered only with leather, and as a result, when used a dead blow is unavoidably dealt, and such a blow not only has the desired effect of stunning, but nearly always produces a cut which, if not dangerous, badly disfigures the receiver. Cords rigidly secured to or passed through a perforation in the billy are objectionable, because when on the wrist of an officer the billy is frequently grasped by his antagonist and twisted until the cord operates as a nipper, rendering the officer powerless in the hands of his adversary.

The object of this invention is to avoid this objectionable result by having the stem or handle of the billy flexible, so that when a blow is struck with the loaded end said end will rebound sufficiently to prevent a dead blow.

A further object is to cushion the loaded end in such a manner as to reduce the liability of striking a dead blow, even when a flexible handle is not employed, and also to enable a stunning blow to be struck without danger of disfiguring the receiver or fracturing his bones.

A further object is to have a loop cord or strip for the wrist secured to the billy in such a manner as to effectually prevent its being used as a nipper on the wrist; and, finally to promote durability, simplicity, and cheapness in this class of hand weapons.

I attain these objects by the construction illustrated in the accompanying drawings, in which—

Figure 1 illustrates a side elevation of a billy embodying my invention. The dotted lines indicate the degree of its flexibility; Fig. 2, a longitudinal quarter sectional view of the same in full size.

Similar letters of reference indicate the same parts in the figures of the drawings.

The foundation of the stem or handle of the billy is composed of a coil of wire, which is of a suitable size to give the desired stiffness and flexibility, as well as diameter of the handle, and, while this wire is preferably of brass, it may be of any other metal. Each end of this handle is loaded with lead, B C, which may be molded directly on the spring, so as to cover its ends, the lead on the striking end, B, being somewhat larger than that at the grasping end of the stem, as is usually the case. The load of lead in the striking end is covered, as shown at D, which covering is preferably rubber, but may be of any other soft or elastic material suitable for cushioning the lead to the desired degree. Over the entire billy as thus constructed is tightly stretched a covering, E, preferably and usually of leather, but it may be of any other yielding material, stitched, pasted, or otherwise secured. Sleeved on the stem or handle and free to return and slide thereon is a collar, F, to which is secured the ends of a loop, G, which collar and loop may be of leather or any other material suitable. This loop is for the purpose of attaching the billy to the wrist of an officer, so that he may have free use of his hands, if necessary, without dropping the billy, and it also serves as a safeguard against the billy being wrenched out of his hands in a scuffle. Swiveling the loop on the handle in this manner is productive of several important results, among which are that an antagonist cannot twist and tighten the loop on the wrist of the officer so as to injure or hold him, and that it enables him to push the handle through the loop, so as to conceal the billy in his sleeve in such a position that he can readily throw it out while in his grasp, or to conceal the billy in his pocket without exposing the loop, as will be readily understood by the position of the loop as shown in Fig. 2.

In use the handle of the billy is usually grasped near the end opposite the striking end, and hence the elastic and spring action of the handle is fully brought into play in striking a blow, so that in the forward motion to strike the blow the handle bends and then rebounds the moment the blow is struck, carrying with it the loaded end, thus preventing a dead and necessarily cutting blow.

In actual practice it has been satisfactorily demonstrated that a billy constructed as above described possesses all the requisites as a weapon of defense and to render an opponent submissive, for while it may knock him senseless it will not produce a fracture or a cut, and hence it is not an implement of torture in the sense that billies usually are.

Having described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A billy the handle or stem of which is composed of a convolute of wire, substantially as described.

2. In a billy, the combination of the following elements: a convolute-wire stem or handle, the lead-loaded ends thereof, an elastic cushion on one of said ends, and a flexible covering for the whole, substantially as described.

3. In a billy, the stem and the loaded end thereof, in combination with a wrist-loop, swiveled and longitudinally slidable on said stem, substantially as described.

AVERY J. BRADISH.

Witnesses:
W. W. ELLIOTT,
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