

E. D. BEAN.
Policemen's Batons.

No. 155,360.

Patented Sept. 29, 1874.

Fig. 1.



Fig. 2.



WITNESSES:

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UNITED STATES PATENT OFFICE.

EDWARD D. BEAN, OF CHELSEA, MASSACHUSETTS.

IMPROVEMENT IN POLICEMEN'S BATONS.

Specification forming part of Letters Patent No. **155,360**, dated September 29, 1874; application filed August 24, 1874.

To all whom it may concern:

Be it known that I, EDWARD D. BEAN, of Chelsea, Suffolk county, Massachusetts, have invented an Improved Policeman's "Billy," of which the following is a specification:

This billy is composed throughout of leather, except perhaps some exterior ornamentation, and possesses advantages hereinafter explained.

The drawings accompanying this specification represent, in Figure 1, a side view, and in Fig. 2, a longitudinal section of a billy embodying my invention.

In manufacturing this billy I proceed as follows: A number of pieces of thick, firm leather, *a a*, &c., are provided of such size and form as, when combined, to build up a body somewhat greater than the finished size of the weapon, these pieces or blanks of leather being laid upon one another and cemented firmly together, by which a solid and compact body is obtained. In next insert in one end of this body of leather a steel or iron arbor, which extends axially about two-thirds through the length of such body, and serves to "center" the same at one end, and to stiffen it to such a degree that it may be turned off in a lathe, the opposite center of the lathe being stepped directly in the leather. This arbor is subsequently removed. The mass of leather is now reduced in the lathe to a cylinder of such length and form as may be desired, or as shown in Fig. 1 of the drawings, and the cylinder is then covered with a finishing coat, *b*, of leather cemented about it in a proper man-

ner. The handle portion *c* of the billy may, if desired, be supplied with a braided covering to enable a strong grasp to be maintained upon it, and it may be ornamented according to the taste of the purchaser. The small or outer end of the handle is to be provided with a thong or sling of leather, after the usual method, or it may be furnished with a swivel in lieu of the thong.

In the exercise of my duties as policeman I have found a billy of this character to possess the following merits: First, it does not readily become defaced or scarred, as a polished wooden club is liable to do. Second, it possesses an easy feeling in the hand; a more firm gripe may be had upon it than a wooden billy. Third, it cannot be broken, as is often the case with a wooden billy. Fourth, it is very durable, and, with care, will last a lifetime; and finally, it possesses a very neat and, if desirable, ornamental appearance.

I do not confine myself to the manner herein described of building up the body of the roll, as this may be carried out in various ways and the same result arrived at.

I claim—

A policeman's club or baton consisting of the stuffing-pieces *a a*, covering *b*, and handle, all made of leather cemented together, substantially in the manner and for the purposes described.

EDWARD D. BEAN.

Witnesses:

F. CURTIS,
W. E. BOARDMAN.