

(No Model.)

E. D. BEAN.

POLICEMAN'S CLUB AND METHOD OF MAKING THE SAME.

No. 365,228.

Patented June 21, 1887.

Fig-1-

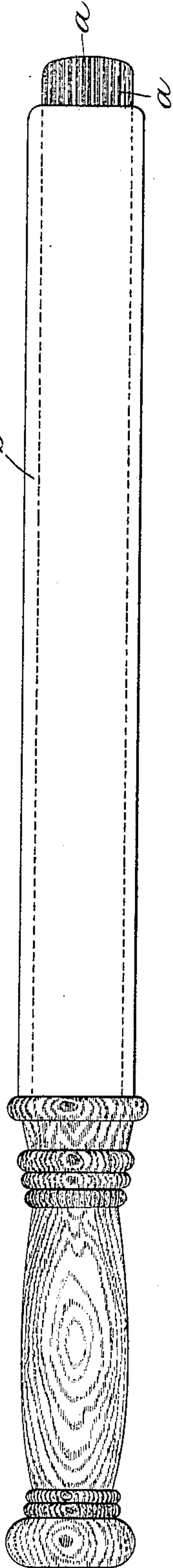
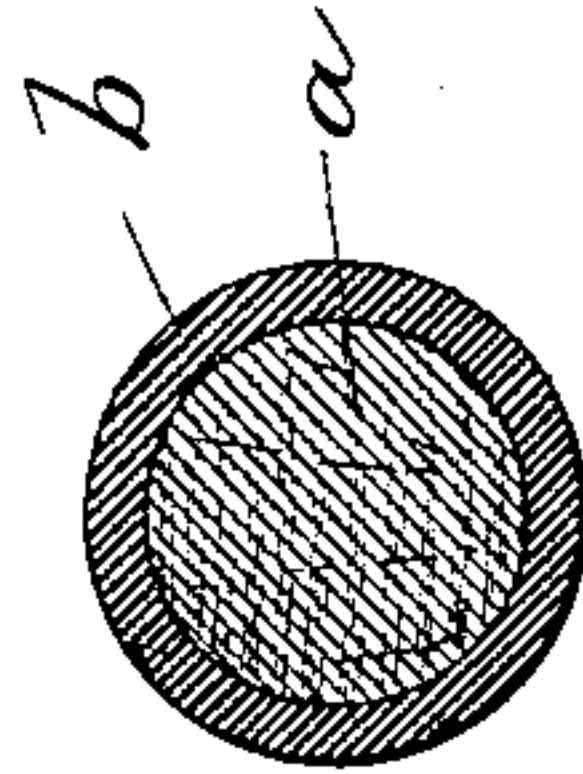


Fig-2-



WITNESSES:
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UNITED STATES PATENT OFFICE.

EDWARD DAVIS BEAN, OF ARLINGTON, MASSACHUSETTS.

POLICEMAN'S CLUB AND METHOD OF MAKING THE SAME.

SPECIFICATION forming part of Letters Patent No. 365,228, dated June 21, 1887.

Application filed March 21, 1887. Serial No. 231,650. (No model.)

To all whom it may concern:

Be it known that I, EDWARD DAVIS BEAN, of Arlington, in the county of Middlesex and State of Massachusetts, have invented certain new and useful Improvements in Policemen's Clubs and the Method of Making the Same, of which the following is a specification.

This invention has for its object to improve the construction of policemen's clubs with respect to strength and durability; and it consists in a club composed of a core of wood and a protecting-casing of the composition known as "leatheroid" or its analogue made into a tube and secured to the wooden core, as I will now proceed to describe.

Of the accompanying drawings, forming a part of this specification, Figure 1 represents a side view of a club embodying my invention. Fig. 2 represents a transverse section thereof.

The same letters of reference indicate the same parts in both figures.

In carrying out my invention I form a club, *a*, of rosewood, or any other suitable hard wood, having the usual wooden handle at one end, preferably made in one piece with the body of the club, the latter being smaller in diameter than in clubs composed entirely of wood. I next take a tube, *b*, of leatheroid and immerse the same in water until it becomes somewhat soft and pliable, and force it onto the reduced body of the club and allow it to dry and harden on said body. The leatheroid tube shrinks slightly in drying, and is thereby caused to adhere very closely to the wooden body or core, the diameter of the tube being such that when it is in a softened condition it will be just enough larger than the wooden core to enable it to be forced onto the latter without undue resistance. I use that variety of leatheroid which when dry becomes hard and is susceptible of a polish. After the tube has dried and shrunk firmly upon the wooden core I polish its outer surface, and thereby impart a desirable finish to the club. The club thus made is extremely strong and durable, the hard tubular casing giving it a very high degree of strength and rigidity, and protecting the wood from abrasion and from the deleterious effects of moisture. Leatheroid is not affected by water un-

less continuously immersed in it for an extended period, so that the casing will not be affected by ordinary exposure to rain or snow.

I prefer to extend the outer end of the wooden core somewhat beyond the casing, so that the club can be used to give an alarm or signal by striking its outer end on a pavement or other hard body, the projection of the wood beyond the casing enabling the resonant qualities of the wood to be fully utilized.

I have specified leatheroid as the material of which the casing is composed, this material being preferable to all others of which I am aware on account of its superior toughness, rigidity, susceptibility of a high polish, and its capability of contracting after being softened, so that it will firmly grasp the wooden core. I do not wish to be understood, however, as limiting myself to the use of leatheroid, as other materials—such as celluloid, papier-maché, hard rubber, leather, &c.—may be formed into a tube and secured in any suitable manner to the wooden body of a policeman's club as a means of strengthening and protecting the same, although not so advantageously, so far as my present knowledge extends, as leatheroid.

I claim—

1. A club composed of a wooden body or core and a tubular casing applied thereto, the outer end of the core projecting beyond the casing, as set forth.

2. A club composed of a wooden body and a handle, and a seamless tubular casing of leatheroid shrunk upon said body, as set forth.

3. The improved method of making clubs hereinbefore described, the same consisting in forming a wooden body or core of less than the diameter of the finished club, softening a seamless tube of leatheroid, and forcing said tube while softened onto the wooden body and allowing it to dry and shrink thereon, as set forth.

In testimony whereof I have signed my name to this specification, in the presence of two subscribing witnesses, this 18th day of March, 1887.

EDWARD DAVIS BEAN.

Witnesses:

C. F. BROWN,
ARTHUR W. CROSSLEY.