B. PEDERSEN.

POLO MALLET.

APPLICATION FILED MAY 3, 1915.

1,177,266.

Patented Mar. 28, 1916.

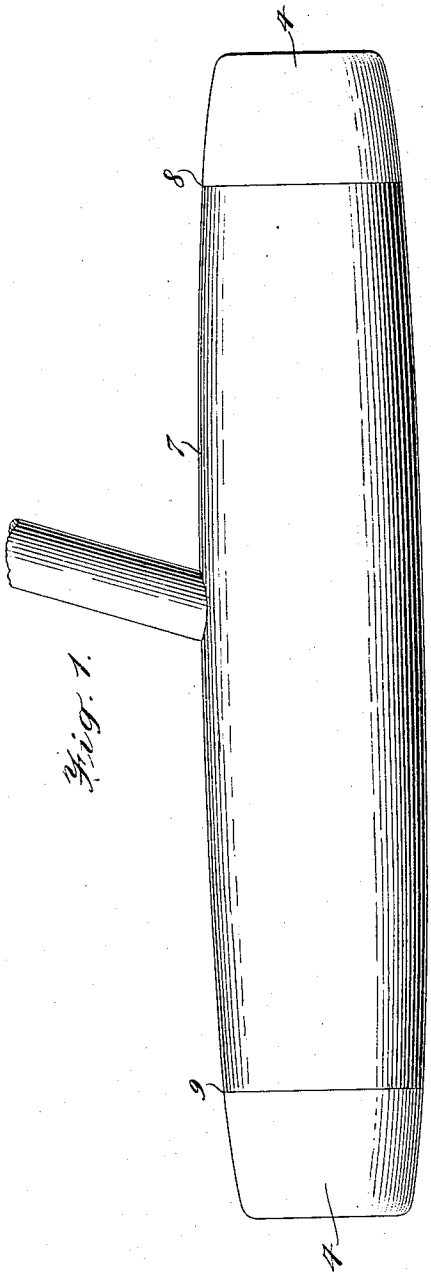


Fig. 1.

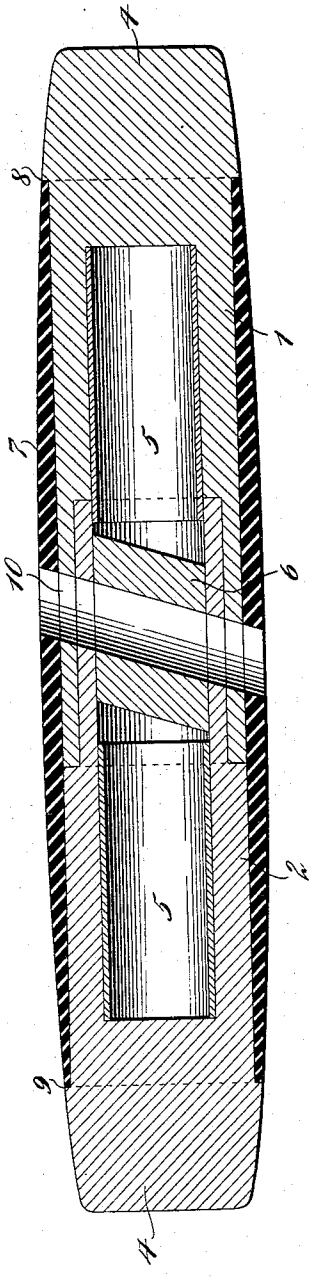


Fig. 2.

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POLO-MALLET.

1,177,266. Specification of Letters Patent. Patented Mar. 28, 1916.

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To all whom it may concern:

Be it known that I, BERNT PEDERSEN, a citizen of the United States, residing at Mount Vernon, in the county of Westchester and State of New York, have invented certain new and useful Improvements in Polo-Mallets, of which the following is a full, clear, and exact description.

This invention relates to mallets used in the game of polo, and in fact to mallets of a similar nature used in other games.

The object of the invention is to provide a device of this character which will be durable and strong, and which will not be subject to serious deterioration by use or lapse of time.

These mallets are ordinarily made with the head of a solid block of wood, sometimes reinforced by binding straps to prevent splitting, but such mallets nevertheless often become defective by reason of splitting and chipping; they are furthermore heavy and the playing surface soon becomes roughened or splintered. The construction of mallet provided by my invention prevents deterioration by shrinkage, avoids all splitting and chipping and presents a playing surface which is practically indestructible in use.

The construction of my improved mallet in detail will now be described with reference to the accompanying drawing, in which—

Figure 1 is a side view of the mallet with a portion of the handle broken away; and Fig. 2 is a longitudinal central section of the mallet head.

The head of the mallet, to which my invention solely relates, consists of a body portion preferably of wood made in two parts, 1 and 2, respectively, joined together at or about the middle of the head in the region where the stick or handle 3 is attached. These two parts 1 and 2 are similar in form, each being tubular or hollow with its outer end closed by a solid portion 4. The chamber in each of the parts 1 and 2 is cylindrical, and the walls thereof are reinforced to prevent shrinkage, by a metallic bushing 5 preferably of aluminum for strength and lightness. These bushings fit tightly against the walls of the chambers and extend from the closed ends 4 some distance toward the middle of the head. The inner end of one of the body parts 2 is reduced in diameter externally for a considerable portion of the length of the part, while the other part 1 has its interior chamber enlarged in diameter for a corresponding portion of its length to such an extent that it will neatly fit over the reduced diameter of the part 2 so that these two parts may be telescoped together or overlapped to the extent of their modified diameters. In the space between the two bushings 5—5, a plug 6 is inserted and fits snugly against the interior wall of the body part 2 within the zone of the overlapping or telescoping portions which is substantially at the middle of the head. On the exterior of the two joined wooden parts of the head, is placed a sleeve of vulcanized fiber 7 which extends approximately from end to end thereof and is preferably a seamless tube. Each end of this sleeve abuts against annular shoulders 8 and 9, formed on the parts 1 and 2 at any suitable distance from, but preferably closely adjacent to, the extreme ends of the body. It is understood that this sleeve 7 covers substantially the entire playing surface of the mallet, only such amount of the naked wood being left at the ends to present a good appearance and to furnish the said shoulders 8 and 9. To complete the structure, a perforation or passage 10 is formed, as usual in an inclined direction, through the middle portion of the head and passing through the sleeve 7, the two telescoping portions of the parts 1 and 2, and the center of the plug 6. This passage affords the socket for the end of the stick or handle 3, and when the same is adjusted therein, it furnishes a lock to prevent relative displacement of the two parts 1 and 2, the plug affording a firm and rigid support for the handle. Since this completed head is to a great extent hollow, it will be of the required light weight and yet with the interior reinforcing bushings 5, the exterior binding sleeve 7 and the interlocking engagement of the handle with the parts 1 and 2, the structure will be very strong and durable and will not be subject to shrinkage and splitting of the wooden parts.

The fiber sleeve 7 which furnishes the playing surface of the mallet while being preferably of the material above mentioned, may be of other suitable wear-resisting material or compounds. Such a surface is not subject to chipping or splitting and will last indefinitely in ordinary use. The entire exterior surface of the mallet is preferably turned down to a continuous curve

from end to end, the surface of the fiber merging into that of the exposed wooden ends without a break, thus presenting a smooth and ornamental appearance.

I claim:

1. A head for a polo mallet comprising a body in two hollow parts, the members of which telescopically join, and a handle passing through the telescoping portions and locking them together.

2. A head for a polo mallet comprising a body in two hollow parts, the members of which telescopically join, a sleeve of wear-resisting material surrounding the body and covering the joint, and a handle passing through the sleeve and the telescoping portions and locking them together.

3. A head for a polo mallet comprising a tubular body with closed ends or heads and a reinforcing bushing inside of the body.

4. A head for a polo mallet comprising a body in two hollow parts joined together at the middle of the head, a reinforcing bushing inside of each part, and a wear-resisting sleeve on the exterior of the body and extending approximately from end to end thereof.

5. A head for a polo mallet consisting of two hollow telescoping body portions, a sleeve of wear-resisting material surrounding said body portions, a plug arranged across the chamber in the body portion, a perforation for the handle extending through the telescoping portions, the sleeve and the plug substantially as described.

In witness whereof, I subscribe my signature, in the presence of two witnesses.

BERNT PEDERSEN.

Witnesses:
WALDO M. CHAPIN,
MARY G. HART.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."