H. T. PENNY.

GAME STICK.

APPLICATION FILED AUG. 9, 1911.

1,038,429.

Patented Sept. 10, 1912.

Fig. 1.

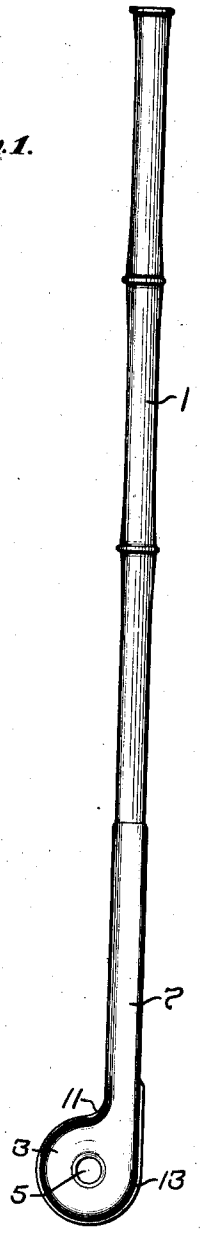



Fig. 2.

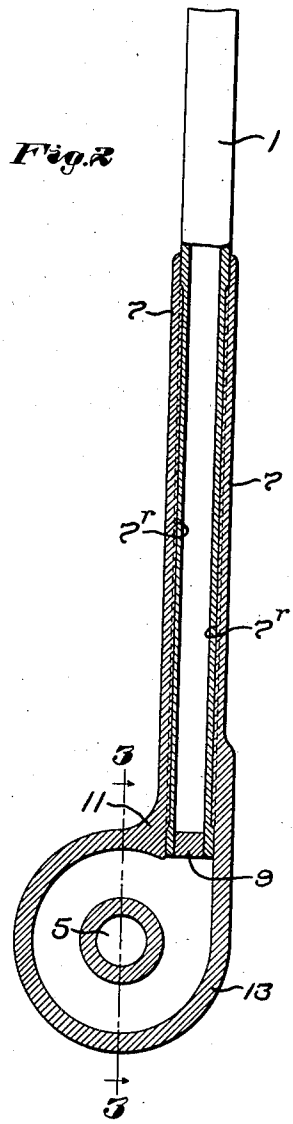
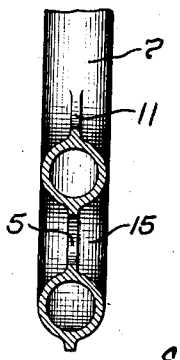



Fig. 3.




Witnesses:

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# UNITED STATES PATENT OFFICE.

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## GAME-STICK.

1,038,429. Specification of Letters Patent. Patented Sept. 10, 1912.

Application filed August 9, 1911. Serial No. 643,114.

*To all whom it may concern:*

Be it known that I, HERBERT T. PENNY, a citizen of the United States, and a resident of Saugus, county of Essex, and State of Massachusetts, have invented an Improvement in Game-Sticks, of which the following description, in connection with the accompanying drawings, is a specification, like characters on the drawings representing like parts.

This invention relates to game sticks or bats such as are employed in various games, such, for example, as hockey or other games in which a ball or puck is struck and knocked about.

The character of the invention may be best understood by reference to the following description of an illustrative embodiment thereof shown in the accompanying drawing, wherein:

Figure 1 is a side elevation of a game stick shown herein as embodying the invention; Fig. 2 on an enlarged scale is a partial longitudinal section of the stick shown in Fig. 1; and Fig. 3 is a transverse section taken on the broken line 3—3 of Fig. 2.

Referring to the drawings, the illustrative game stick there shown as embodying the invention comprises a handle 1 which may be of bamboo or other suitable light material.

One of the principal objects of the invention is to provide the handle with a striking head which will be effective in knocking the ball from place to place, but will not inflict a serious hurt in case one is accidentally struck thereby.

The illustrative head herein shown is preferably of rubber, reinforced if desired, or of other resilient or cushion material and comprises a striking portion 3 which may be rounded or otherwise formed. Herein the head is annular in shape containing a central aperture 5 and having a shank 7 conveniently in the form of a sleeve receiving the lower end of the handle. This sleeve may be stretched tightly on said handle and thereby constitute an effective means for securing the head thereto. To resist rotative creeping of said sleeve it may be provided with longitudinal internal ribs $7^r$ which may seat into similar shaped grooves on the handle. Preferably said sleeve envelops a considerable portion of said handle and affords an effective cushion surface as an additional means for preventing injury. The advantage of this will be obvious since one is frequently struck by the portion of the handle adjacent the striking head as well as by said head. To contribute to the cushion effect of the head it may be made hollow (see Fig. 3). The thickness of the shell of the head when hollow may be sufficient to maintain its shape. The handle may have a plug end 9 confining the air in said head to provide a pneumatic effect if desired. The striking head being of such a material as rubber and hollow, as described, is not only inherently yieldable but also yieldable as a whole relatively to the handle. The connection of the head with its sleeve may be stiffened by a fin 11. To protect the head from wear and further contribute to the strength thereof, it may be provided with a circumferential rib 13. The annular rounded form of the head provides a striking face which may be in the form of a pocket or cup 15 conforming somewhat to the contour of the ball and thereby providing an increased control over the ball.

In using said stick the striking head may be presented to the ball so that its central pocket receives the ball, or any portion of the rounded contour of said head may be presented to the ball to impart thereto a variety of blows for various control as desired. The stick preferably would be used with a light hollow ball, although obviously other balls might be used.

The stick can be made in different sizes; small sticks would be supplied for small children and larger sticks for larger children.

A game stick such as described above is particularly advantageous for children in school yards or play rooms owing to the lightness of the whole stick and its yieldable construction tending to prevent injuries both to those playing the game and to furniture or buildings.

Having described a preferred embodiment of the invention without limiting the same thereto, what I claim as new and desire to secure by Letters Patent is:

1. A game stick comprising a handle and a hollow, injury preventing, cushion, ball striking head therefor substantially larger than said handle.

2. A game stick comprising a handle and a hollow injury preventing, ball striking head therefor, inherently yieldable and yieldable as a whole relatively to said handle.

3. A game stick comprising a light handle and a hollow injury preventing, striking head therefor offset from the axial line of said handle.

4. A game stick comprising a handle, a hollow, injury preventing striking head therefor yieldable throughout and means for confining fluid in said head.

5. A game stick comprising a handle and a hollow, injury preventing striking head therefor yieldable throughout and having confined fluid therein.

6. A game stick comprising a handle and an injury preventing, striking head therefor, yieldable throughout and having an external stiffening rib for protecting said head from wear.

7. A game stick comprising a handle and an injury preventing, striking head therefor, yieldable throughout and formed to provide a ball controlling aperture therein.

8. A game stick comprising a handle, a yieldable, injury preventing, ball striking head and a neck substantially narrower than said head for connecting the latter to said handle.

9. A game stick comprising a handle and an injury preventing, annular shaped, ball controlling striking head therefor.

10. A game stick comprising a handle and a hollow, rubber, injury preventing, yieldable striking head therefor substantially broader than said handle.

11. A game stick comprising a handle, an injury preventing yieldable striking head, and an injury preventing cushion sleeve extending along a substantial portion of said handle adjacent said head.

12. A game stick comprising a handle, and an integral head and sleeve secured thereto of injury preventing, yielding material.

13. A game stick comprising a light handle 1, a striking head 3 and a sleeve 7, said head and sleeve being of injury preventing, yielding material.

14. A game stick comprising a handle and an injury preventing yieldable striking head therefor, having a ball receiving pocket therein.

15. A game stick comprising a handle and a cushion striking head having a sleeve connecting said head to said handle and a stiffening fin for strengthening the connection of said head with said sleeve.

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

HERBERT T. PENNY.

Witnesses:
ROBERT H. KAMMLER,
HENRY T. WILLIAMS.