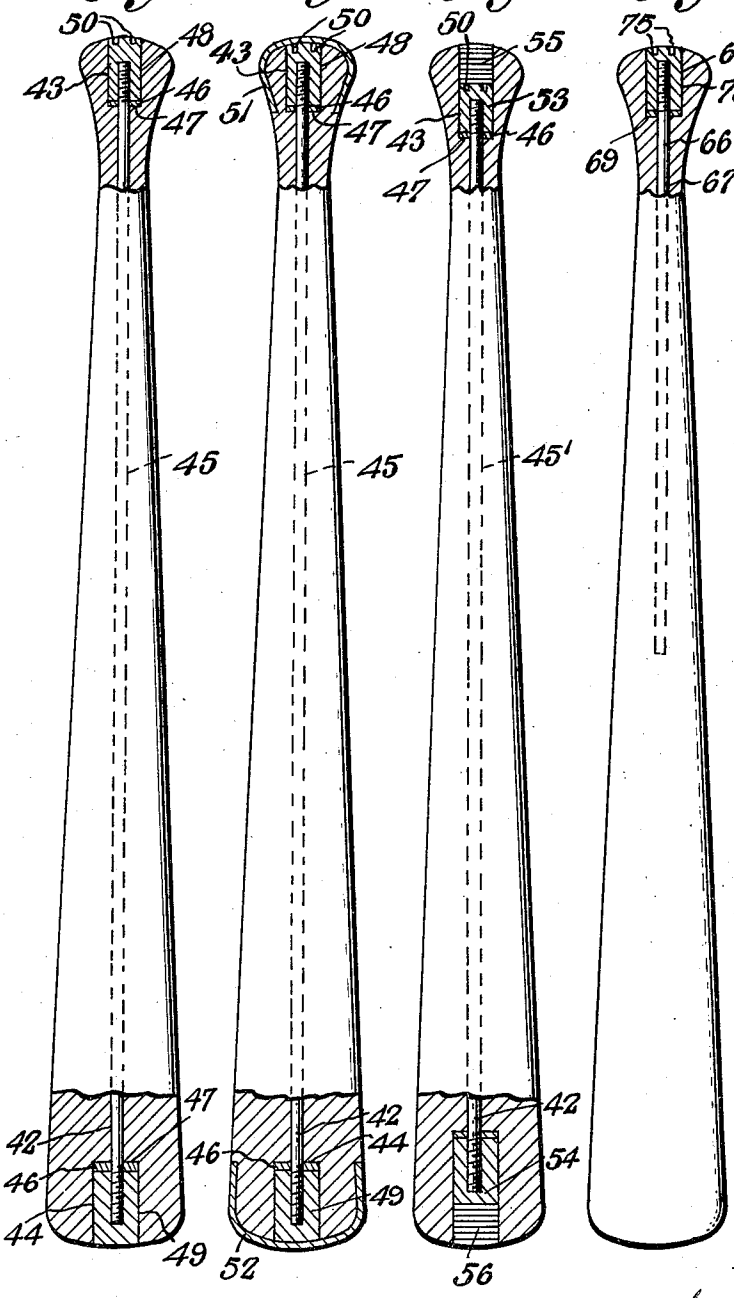
April 3, 1928. 1,665,195

E. COHN

REENFORCED SAFETY BAT

Filed Jan. 14, 1927

Fig. 1. Fig. 2. Fig. 3. Fig. 4.



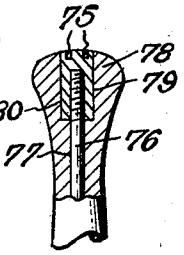


Fig. 5.

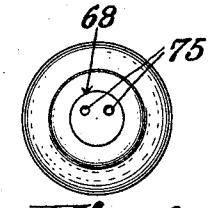


Fig. 6.

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UNITED STATES PATENT OFFICE.

EDWARD COHN, OF BROOKLYN, NEW YORK.

REENFORCED SAFETY BAT.

Application filed January 14, 1927. Serial No. 161,228.

This invention relates to improvements in baseball bats, and has for its object to provide an article of this character reenforced throughout its entire length.

A further object is to provide protective and re-enforced end members.

Base ball bats of ordinary construction are frequently broken in use because of the severe and sudden shock to the wood fibres when striking a swiftly pitched ball. The reenforcing shaft which I have provided will in most cases prevent a fracture of this kind; but should the wood become broken; the steel shaft would still hold the parts together and prevent any serious accident, as; for instance, a by-stander or player being hit by the flying end of a broken bat.

The ends of the bat are also protected against splitting and abrasion by the metal cap members as illustrated herewith.

A better balance is also obtainable through the weighting at the bat ends by the said metallic cap members.

These and other features and advantages will be shown and described in the accompanying drawings and the following specification.

In the drawings submitted.

Fig. 1 shows a bat broken away at the ends and embodying a slight modification of my invention;

Fig. 2 shows a bat broken away at the ends and embodying a further modification of my invention;

Fig. 3 shows a bat broken away at the ends and embodying another modification of my invention;

Fig. 4 shows a bat broken away at the upper end and embodying a modification of my invention;

Fig. 5 is a fragmentary view of the handle portion of a bat partly in section.

Fig. 6 is a top plan view of a bat.

The bat shown in Fig. 1 is provided with a central longitudinal passage 42 having enlarged upper and lower extremities 43 and 44 respectively. A rod 45, screw threaded at both extremities is disposed in the passage 42. This rod comprises metallic material and may be either solid or hollow. If a hollow rod is used it may be filled with cork or aluminum or any other substance. Washers 46 are disposed in the upper and lower extremities of the passage 42 adjacent the shoulders 47. Upper and lower metallic threaded plugs 48 and 49 respectively are disposed in the enlarged extremities 43 and 44 of the passage 42 and are screw threaded on the rod 45. The upper metal threaded plug 48 is provided with recesses 50 for receiving spaced prongs of a wrench not shown in the drawing by which the upper plug may be screwed downwardly on rod 45. After the metal threaded plug 48 has been suitably adjusted these recesses may be filled with a like material.

Fig. 2 of the drawings shows a bat of construction similar to that disclosed in Fig. 1 provided with upper and lower metal caps 51 and 52 respectively. These caps are disposed over the ends of the bat and extend over the end portions of the sides of said bat for protecting the extremities from abrasion.

Fig. 3 of the drawings the rod 45′ is slightly shorter than the rods 45, and threaded metal plugs 53 and 54 are disposed in the enlarged ends of the passage 42. The metal threaded plugs 53 and 54 are provided with screw threaded openings for receiving the threaded ends of the rod 45 and are disposed within the enlarged ends of the passage at the extremities of the bat. Hickory plugs 55 and 56 are driven into the enlarged recesses in superimposed relation to the metallic plugs 53 and 54 for covering the latter.

In Fig. 4 the rod 66 is extended through the handle or any portion of the bat and is retained in the central opening 67 by a metal threaded plug 68 which is screw threaded on the upper end of the rod 66. A washer 69 is disposed between the end of the plug 68 and the bottom of the enlarged recess 70.

In Fig. 5 discloses, a fragmentary portion of a bat having a rod 76 extending into passage 77 in the handle portion thereof. The metal threaded plug 78 having a screw threaded opening or recess 79 is screw threaded on the end of the rod 76 and plug is disposed in a recess 80. The bottom plug 78 engages the end of the recess 80, it being understood that the washer is omitted in this form of my invention.

In Fig. 6 shows a plain top view of the bat having a metallic threaded plug 68 provided with accesses 75 for receiving prongs of a tool not shown in the drawings to be employed in screwing the plug into position.

It is also to be understood that the rod or shaft of my bat may be hollow; or same rod may be filled with any suitable material if so desired.

It is also understood that a full length

threaded rod or shaft can be used in all my bats if so desired.

I claim—

1. In a baseball bat, a wooden tool handle, or stick, a body portion having a central longitudinal passage therethrough and recesses in the end portions of said bat communicating with said passage, a solid rod disposed in said passage, metallic threaded plugs screw threaded on the ends of said solid rod and disposed in said end recesses, and a washer disposed between the inner ends of said metallic threaded plugs and the bottoms of said end recesses.

2. In a baseball bat, a wooden tool handle, or stick, a body portion having a central longitudinal passage therethrough and recesses in the end portions of said bat communicating with said passage, a solid rod disposed in said passage, metallic threaded plugs screw threaded on the ends of said solid rod and disposed in said end recesses, a washer disposed between the inner ends of said plugs and the bottoms of said end recesses, and metallic caps disposed over the ends of said bat.

3. In a baseball bat, a wooden tool handle, or stick, a body portion having a central longitudinal passage therethrough and end recesses communicating with said passage, washers disposed at the bottom of said recesses, metal plugs having screw threaded openings therein screw threaded on the ends of said solid rod and disposed within said end recesses below the outer portion thereof, and hickory plugs disposed in said recesses at the outer portions thereof for covering said metal plugs, said upper metal plugs being provided with end recesses to accommodate a tool for screwing said plug into said recesses.

4. In a baseball bat, a wooden tool handle, or stick, a handle portion having a central opening therein and an enlarged end recess communication with said central opening, a solid rod disposed in said central opening having a screw threaded upper end extending into said enlarged end recess, a metallic threaded plug having a screw threaded opening therein threaded on said solid rod and disposed in said recess, said plug being provided with recesses in the end thereof adapted to receive a tool for screwing said plug on said rod, and a washer disposed between the bottom of said enlarged recess and the end of said plug.

5. In a baseball bat, a handle portion having a central opening therein and an enlarged end recess communicating with said central opening, a rod disposed in said central opening having a screw threaded upper end extending into said enlarged end recess and a metallic plug having a screw threaded opening therein threaded on said rod and disposed in said recess, said plug being provided with small recesses in the end thereof adapted to receive a tool for screwing said threaded plug on said threaded rod.

6. A combination handled device comprising a wooden body having a central hole extending therethrough, one end of said hole being countersunk, a metal rod extending lengthwise through the body and into said countersink, means remote from the countersunk end for anchoring the metal rod at such point, a washer surrounding the rod in the bottom of the countersink, such end of the rod being screw threaded, and a threaded plug threaded upon the threaded end of the rod in the countersink, said plug having means for the application of a tool for tightening it and filling said countersink.

7. In a baseball bat, or stick, or other sporting body, or parts thereof, having a central hole extending therethrough, a solid shock absorbing rod extending through the central hole and said rod being secured at its ends, by washers and binding end members mounted on the ends of said rod.

Signed at Brooklyn, New York, in the county of Kings and State of New York, this 3rd day of January, A. D. 1927.

EDWARD COHN.