

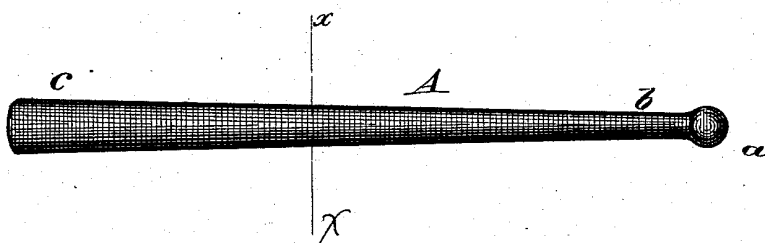
(No Model.)

W. WILLIAMS.  
BASE BALL BAT.

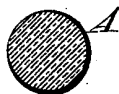
No. 292,190.

Patented Jan. 22, 1884.

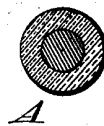
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



*Witnesses:*

*Phil. C. Gorton*  
*A. E. Howell*

*Inventor:*

*William Williams.*

*by:*

*W. Alexander*  
*Attorney.*

# UNITED STATES PATENT OFFICE.

WILLIAM WILLIAMS, OF HUNTINGDON, PENNSYLVANIA.

## BASE-BALL BAT.

SPECIFICATION forming part of Letters Patent No. 292,190, dated January 22, 1884.

Application filed June 29, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, WILLIAM WILLIAMS, of Huntingdon, in the county of Huntingdon and State of Pennsylvania, have invented certain new and useful Improvements in Base-Ball Bats; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification, in which—

Figure 1 is a side view of my improved condensed "paper bat," formed for "base-ball," "cricket," or other similar purposes. Fig. 2 is a cross-section of the bat through line *xx*, as illustrated in Fig. 1. Fig. 3 shows a bat having a central core of wood or other substance.

My invention consists in a base-ball bat formed wholly or in part of compressed paper or other pulp, condensed by means of hydrostatic or other pressure, as will be fully understood from the following description, when taken in connection with the annexed drawings.

Fig. 1 represents a base-ball bat, which may be made wholly or in part of pulp, shaped in a mold, and condensed by any suitable means. If desirable, I re-enforce the bat by molding the pulp around a wooden or metallic core,

which core may be of flat, cylindrical, polygonal, cruciform, or of any other suitable shape.

In Figs. 1, 2, and 3, *A* designates the pulp forming the body of the bat; *a*, the rounded end; *b*, the contracted neck, and *c* the head of the bat.

It is obvious from what I have above said that my object is to furnish a base-ball bat which will not be liable to break or split in the hands of the player, and which at the same time will possess the requisite qualities of density, elasticity, and withal economy of construction.

It is obvious that the pulp may be made from paper or other material.

Having described my invention, what I claim as new, and desire to secure by Letters Patent, is—

As a new article of manufacture, a base-ball bat composed wholly or in part of pulp molded and condensed, substantially as described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

WILLIAM WILLIAMS.

Witnesses:

JNO. H. GLAZIER,  
HENRY GLAZIER.