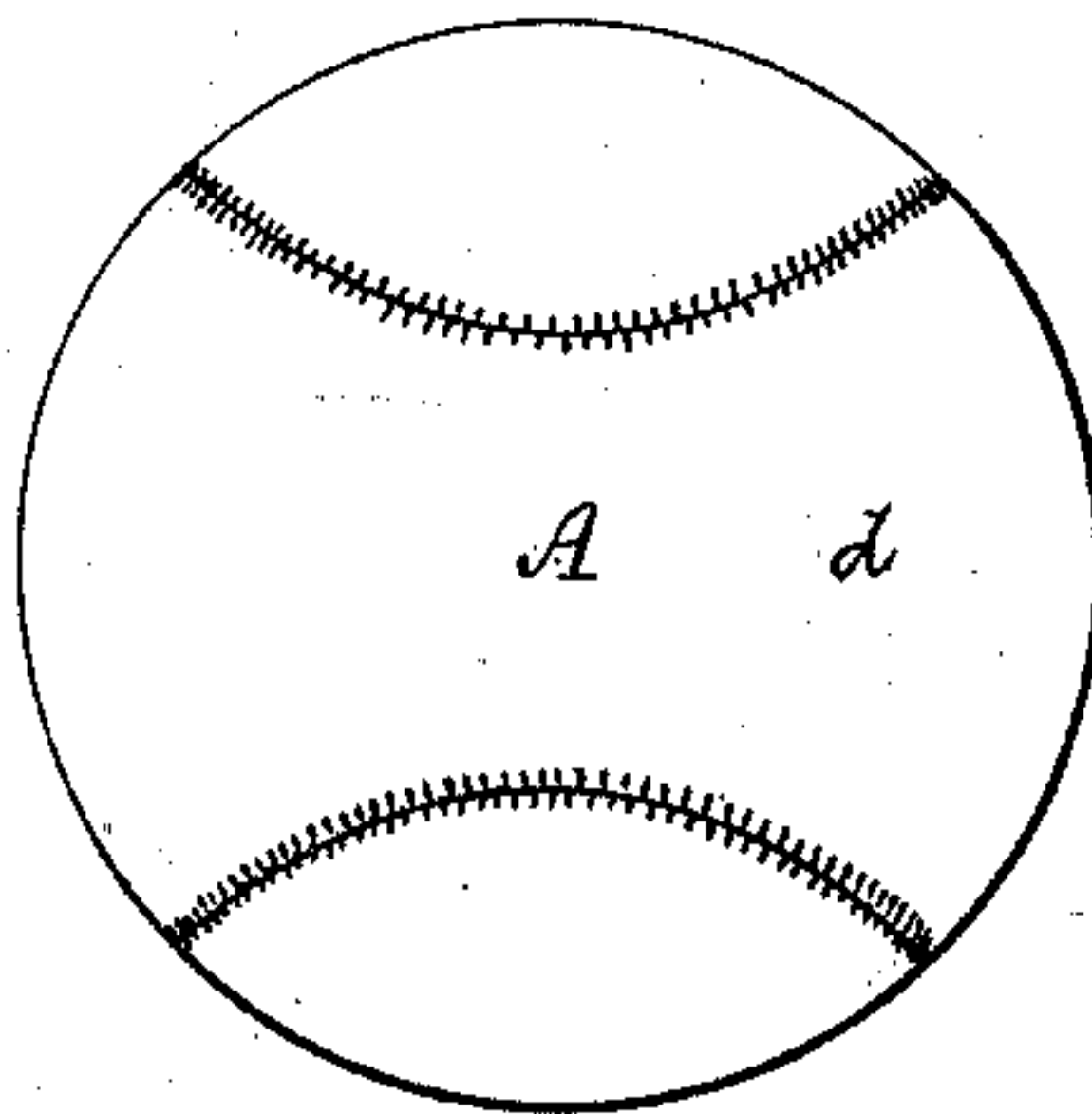


S. HIPKISS.  
BASE-BALL.

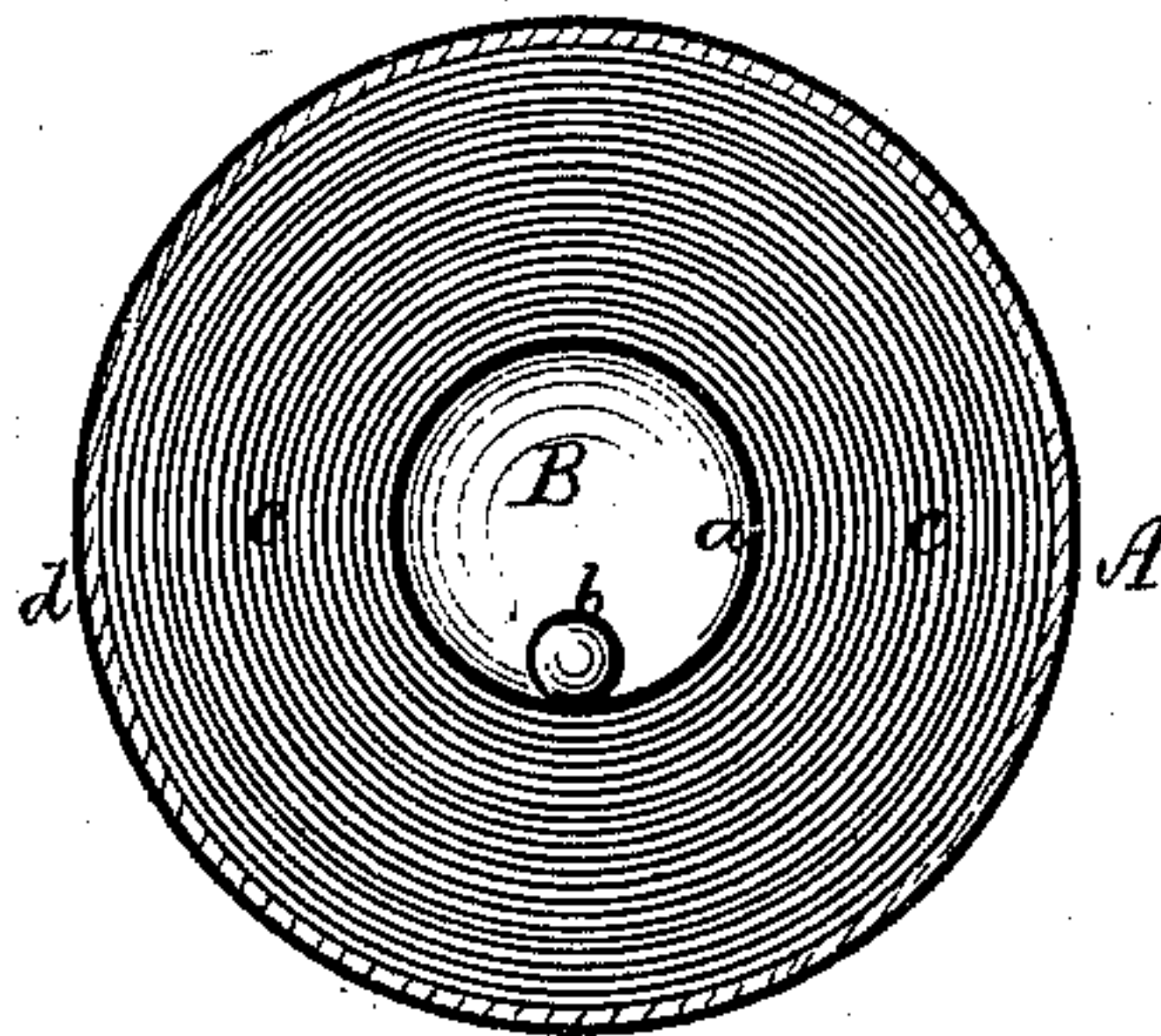
No. 172,315.

Patented Jan. 18, 1876.

*Fig. 1*



*Fig. 2*



Witnesses.  
S. M. Piper.  
L. M. Miller.

Samuel Hipkiss.  
by his attorney.  
R. H. Eddy.

# UNITED STATES PATENT OFFICE.

SAMUEL HIPKISS, OF BOSTON, MASSACHUSETTS.

## IMPROVEMENT IN BASE-BALLS.

Specification forming part of Letters Patent No. **172,315**, dated January 18, 1876; application filed December 2, 1875.

*To all whom it may concern:*

Be it known that I, SAMUEL HIPKISS, of Boston, of the county of Suffolk and State of Massachusetts, have invented a new and useful Improvement in Cricket or Base Balls; and do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a side view, and Fig. 2 a section, of a cricket or base ball provided with my invention, in the carrying out of which I combine, with a cricket or base ball, A, of ordinary construction, a bell, B, arranged concentrically within it, such bell consisting of a hollow sphere, *a*, of metal or other suitable material, furnished with a clapper or one or more small balls, *b*. This bell or alarm apparatus, besides constituting a load or heart piece to the ball, is to indicate whenever it is struck by a bat in the hands of a player. The body *c*, of yarn, is to be wound directly upon the bell, the cover *d* being subsequently applied in the usual way to such body.

In the game of "base" it is occasionally very difficult, if not impossible, to ascertain whether the ball is struck by the bat, the blow being so light, or so aslant on the ball, as to cause the noise of it not to be loud enough to be suf-

ficiently audible; but with the bell within the ball a sound is emitted whenever a ball is struck or caught by a player, the advantage of which will be appreciated by those who understand the games of cricket or base.

I am aware it is not new to make a ball of two thin metallic concavo-convex hemispheres tied together, arranged base to base, and covered externally with wool brush, there being one or more balls or stones within the hemispheres.

In my ball, which is of a different character, the bell is used as a heart or core, and has a yarn body wound around it tightly, so as to give the requisite elasticity; the said body being subsequently inclosed in a leather cover, which protects the yarn, and serves to keep it from unwinding or being injured, and makes a finish.

I therefore claim—

As a new or improved manufacture, a base or cricket ball composed of a spherical bell, B, a round or encompassing yarn body, *c*, and a leather covering, *d*, surrounding such body, all being substantially as specified.

SAMUEL HIPKISS.

Witnesses:

R. H. EDDY,  
J. R. SNOW.