(No Model.)

A. M. LANE.

PENDULUM BALL.

No. 492,030. Patented Feb. 21, 1893.

Fig. 1.

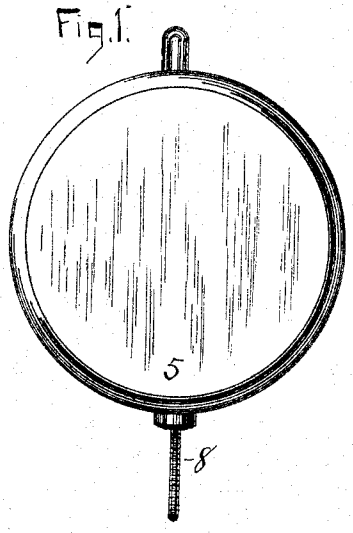


Fig. 2.

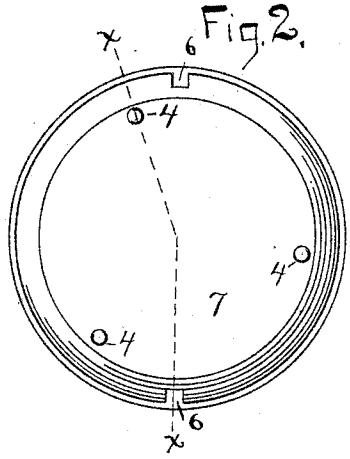
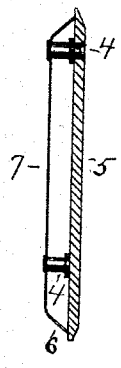


Fig. 3.



Witnesses.
Brayton & Lewis.
C. Darwin Sooms Jr

By

Inventor.
Almeron M. Lane.
James Shepard
Atty.

THE NORRIS PETERS CO., PHOTO-LITHO., WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

ALMERON M. LANE, OF MERIDEN, CONNECTICUT.

PENDULUM-BALL.

SPECIFICATION forming part of Letters Patent No. 492,030, dated February 21, 1893.

Application filed June 27, 1892. Serial No. 438,088. (No model.)

To all whom it may concern:

Be it known that I, ALMERON M. LANE, a citizen of the United States, residing at Meriden, in the county of New Haven and State of Connecticut, have invented a certain new Improvement in Pendulum-Balls, of which the following is a specification.

My invention relates to improvements in pendulum balls, and the chief object of my improvement is to construct a neat and attractive pendulum ball mainly of sheet metal and at a small cost.

In the accompanying drawings, Figure 1 is a front elevation of my pendulum ball. Fig. 2 is a rear elevation of the same, and Fig. 3 is a sectional view thereof on the line $x\,x$ of Fig. 2.

I first provide a disk of sheet metal of suitable thickness and perforate it with three holes at equal distances apart and at a uniform distance from the edge. In these holes I secure the same number of shouldered studs 4 and securely rivet them in place. I then place this disk of metal in a lathe and preferably hold it therein by a chuck having three holes to receive said shouldered studs, whereby the disk is held in place for rotation in the lathe through the medium of said studs. I then bevel or chamfer the edge of the disk, leaving it substantially in the form of the disk 5, in Figs. 1 and 3. I next blank out a a disk of thinner metal with a notch 6 at diametrically opposite points, and I also perforate the same with three holes at points coincident with the studs 4. The disk is then struck in dies to form the beveled or dishing shell 7, or back as shown in Figs. 2 and 3, said shell being held in place by the shouldered studs 4, the outer ends of which are riveted or headed down. The diametrically opposite notches 6 will then form suitable openings for the insertion of the ordinary adjusting rod 8 and the pendulum ball is complete. If desired before putting in the adjusting rod the pendulum ball may be placed in a chuck and its face smoothed off and polished.

I claim as my invention—

The herein described pendulum ball consisting of the disk 5, the shouldered studs 4 secured therein and the beveled or dishing back or shell secured in place by said studs, substantially as described and for the purpose specified.

ALMERON M. LANE.

Witnesses:
JAMES SHEPARD,
BRAYTON S. LEWIS.