

No. 646,785.

Patented Apr. 3, 1900.

D. K. ALDEN.
TOY BALL.

(Application filed Dec. 8, 1899.)

(No Model.)

Fig. 1.

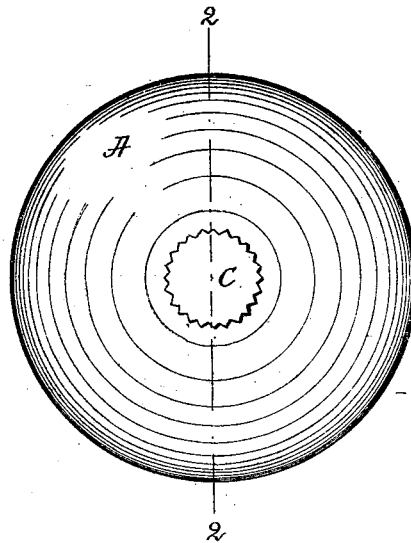


Fig. 2.

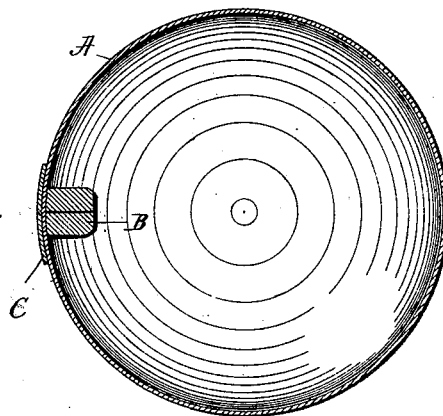


Fig. 3.



Witnesses.
Charles A. Harris.
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UNITED STATES PATENT OFFICE.

DANA K. ALDEN, OF STERLING, MASSACHUSETTS, ASSIGNOR OF ONE-HALF
TO THOMAS C. NEWELL, OF BOSTON, MASSACHUSETTS.

TOY BALL.

SPECIFICATION forming part of Letters Patent No. 646,785, dated April 3, 1900.

Application filed December 8, 1899. Serial No. 739,652. (No model.)

To all whom it may concern:

Be it known that I, DANA K. ALDEN, a citizen of the United States, residing at Sterling, in the county of Worcester and State of Massachusetts, have invented new and useful Improvements in Rubber Toy Balls, of which the following is a specification.

This invention relates to improvements in rubber toy balls; and it is carried out as follows, reference being had to the accompanying drawings, wherein—

Figure 1 represents a side elevation of the invention. Fig. 2 represents a cross-section on the line 2 2, shown in Fig. 1; and Fig. 3 represents a detail view of the closing-label for covering the point of inflation of the ball.

Similar letters refer to similar parts wherever they occur on the different parts of the drawings.

A represents an inflatable, expansive, thin rubber ball, preferably provided on its interior with a plug or projection B, made of soft rubber or gutta-percha, said plug being cemented to or otherwise secured to the interior wall of the rubber ball, as is common in the construction of inflatable rubber toy balls.

The ball is inflated more or less, as may be desired, preferably by means of a hypodermic pump, the slender tube or nozzle of which is pushed through the flexible plug B and the pump worked until the desired degree of inflation is produced, after which the point-

ed end of the pump is withdrawn, leaving a puncture in the plug, which under ordinary circumstances will be automatically closed by the elasticity of the material, of which said plug is composed, thus preventing the compressed air in the ball from escaping.

As an additional security against leakage I cover the punctured portion of the ball by means of a disk or label C, preferably made of cloth, paper, or suitable flexible material, which is gummed, cemented, or otherwise hermetically attached to the outside of the ball where the puncture is located. Such covering or closing disk or label is preferably printed on its exposed side with advertising matter, as shown at D in Fig. 3.

What I wish to secure by Letters Patent and claim is—

An inflatable toy ball having on its interior a reinforcing elastic plug adapted to be punctured during the filling operation, and a disk or label cemented to the outside of the ball over the punctured portion, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

DANA K. ALDEN.

Witnesses:

ALBAN ANDRÉN,
MARGARET E. DALEY.