

(Model.)

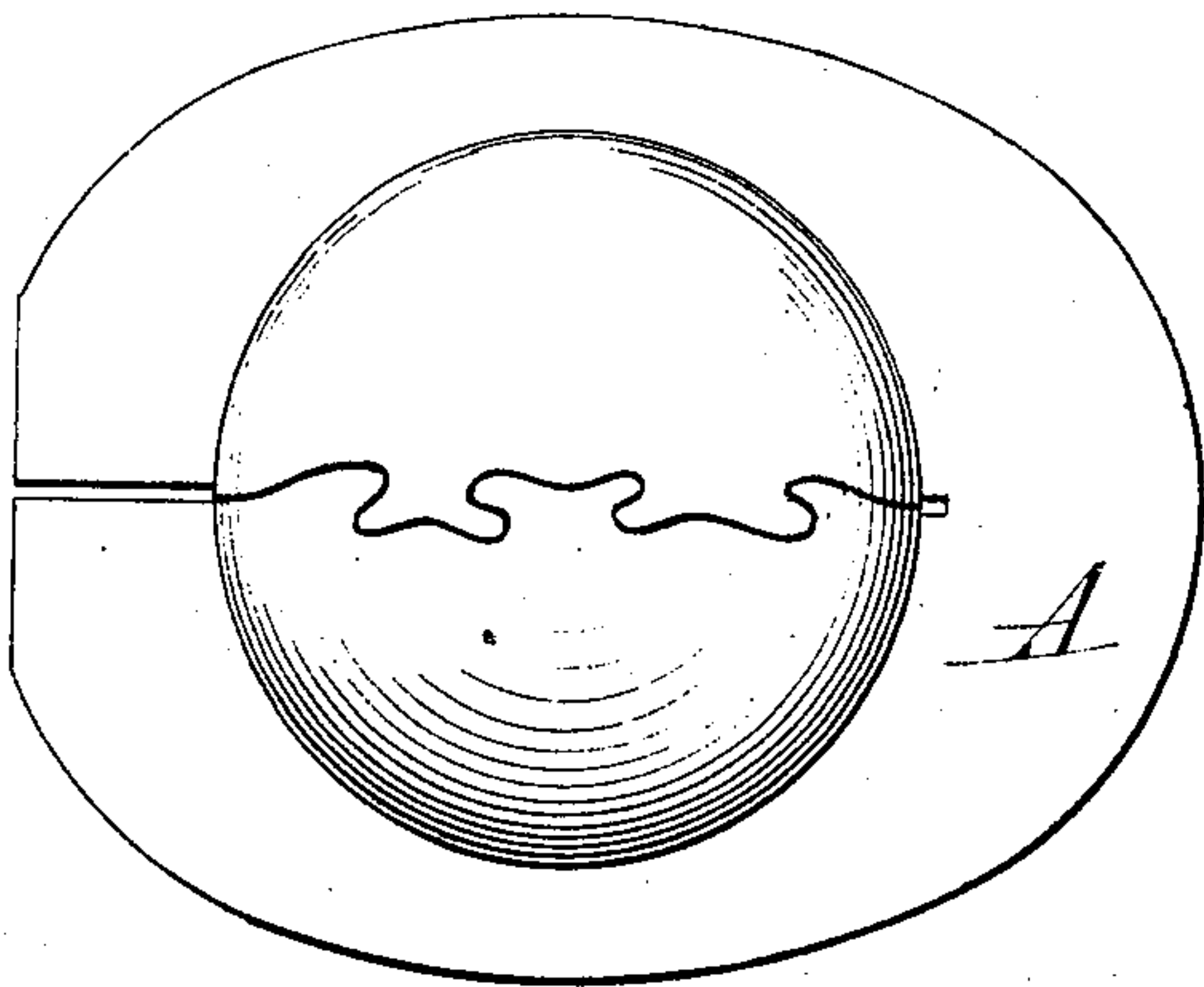
R. M<sup>c</sup>CHESNEY.

SAWED PUZZLE.

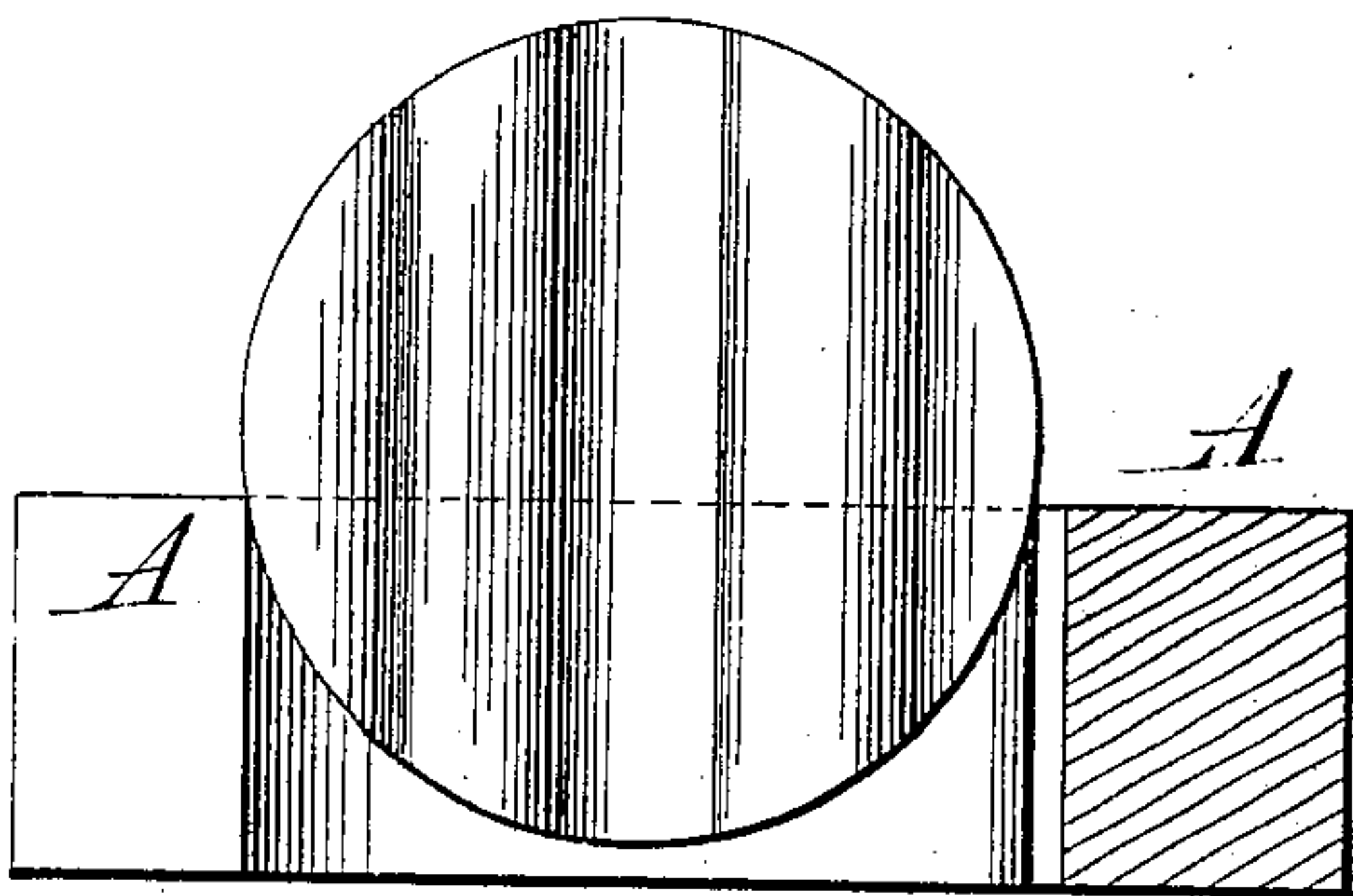
No. 245,533.

Patented Aug. 9, 1881.

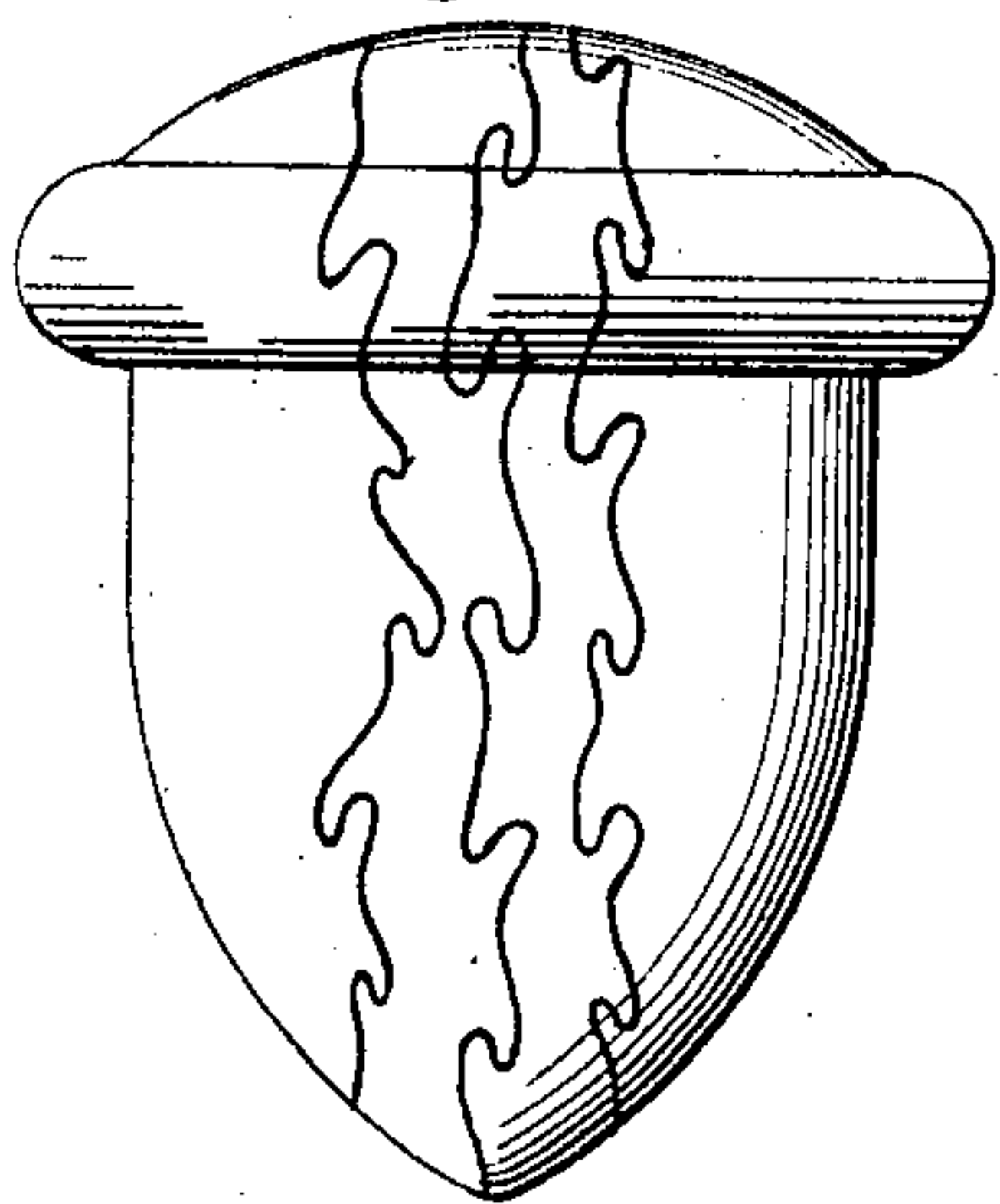
*Fig. 1.*



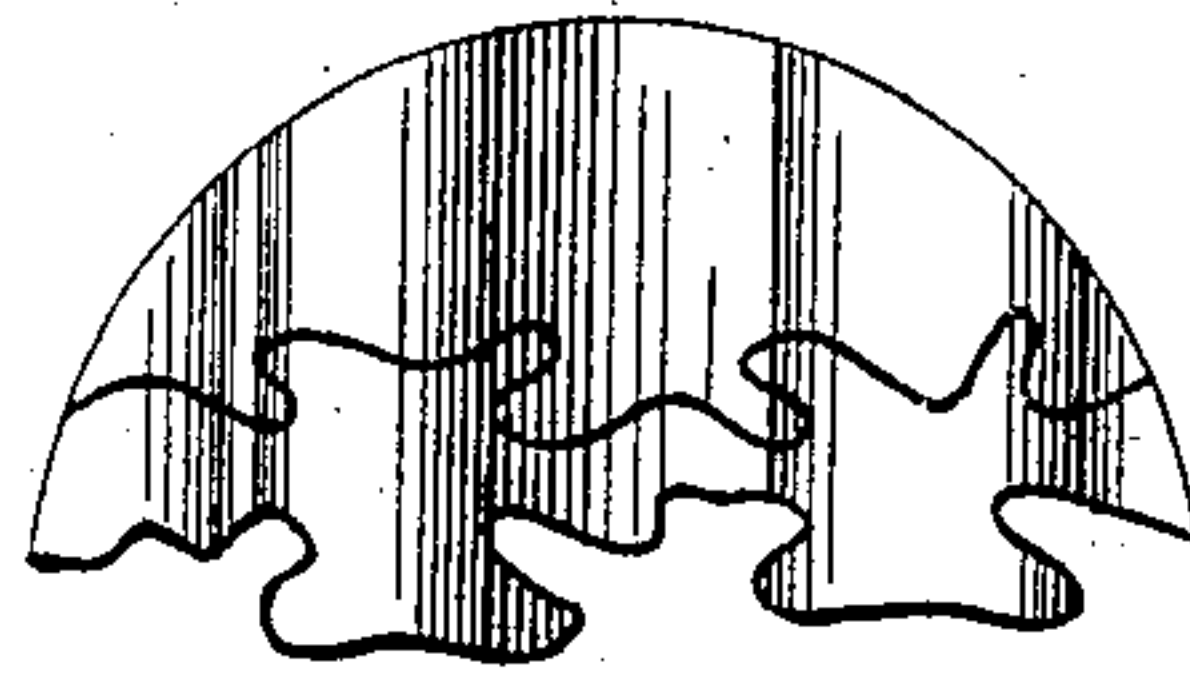
*Fig. 2.*



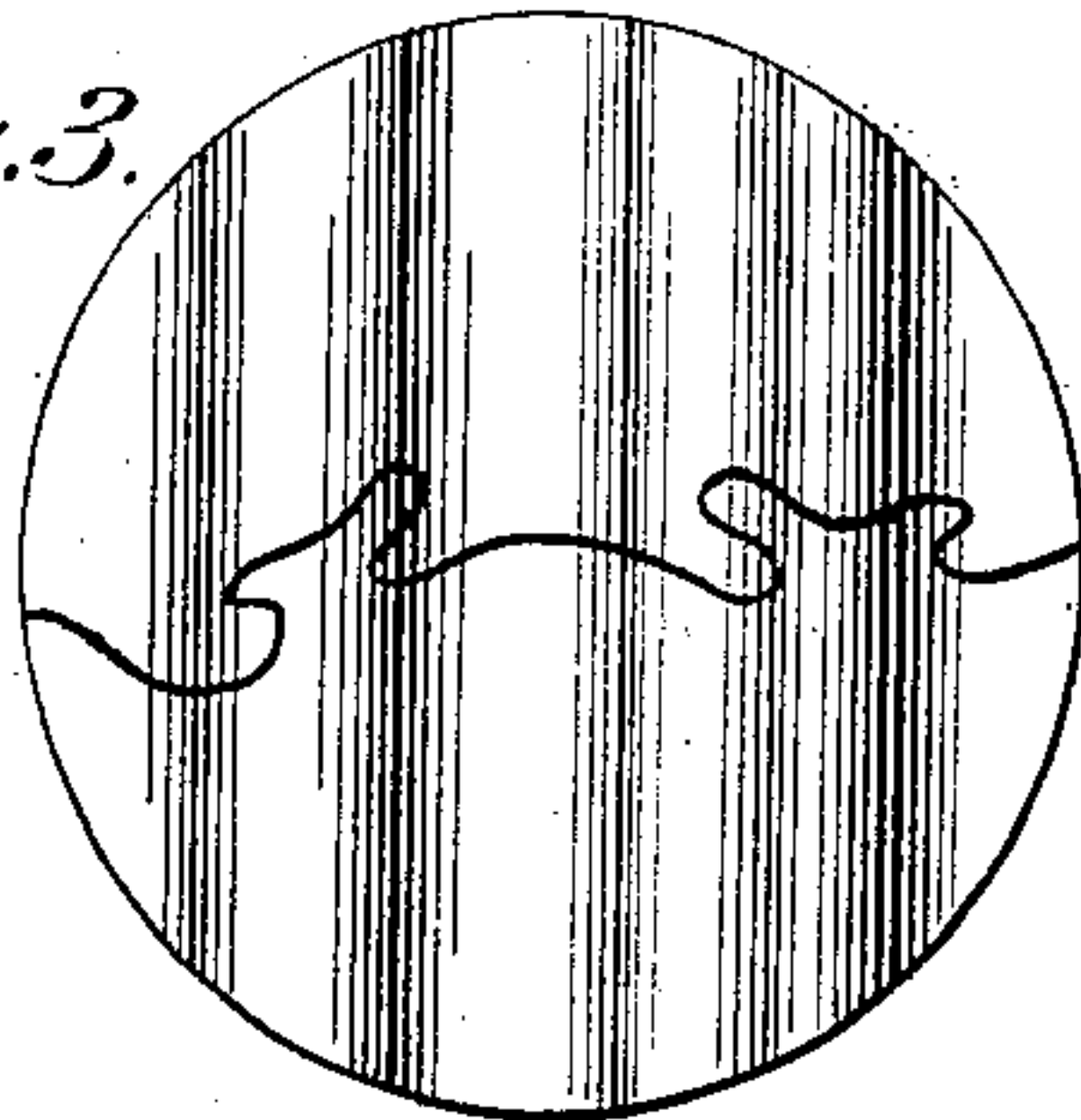
*Fig. 6.*



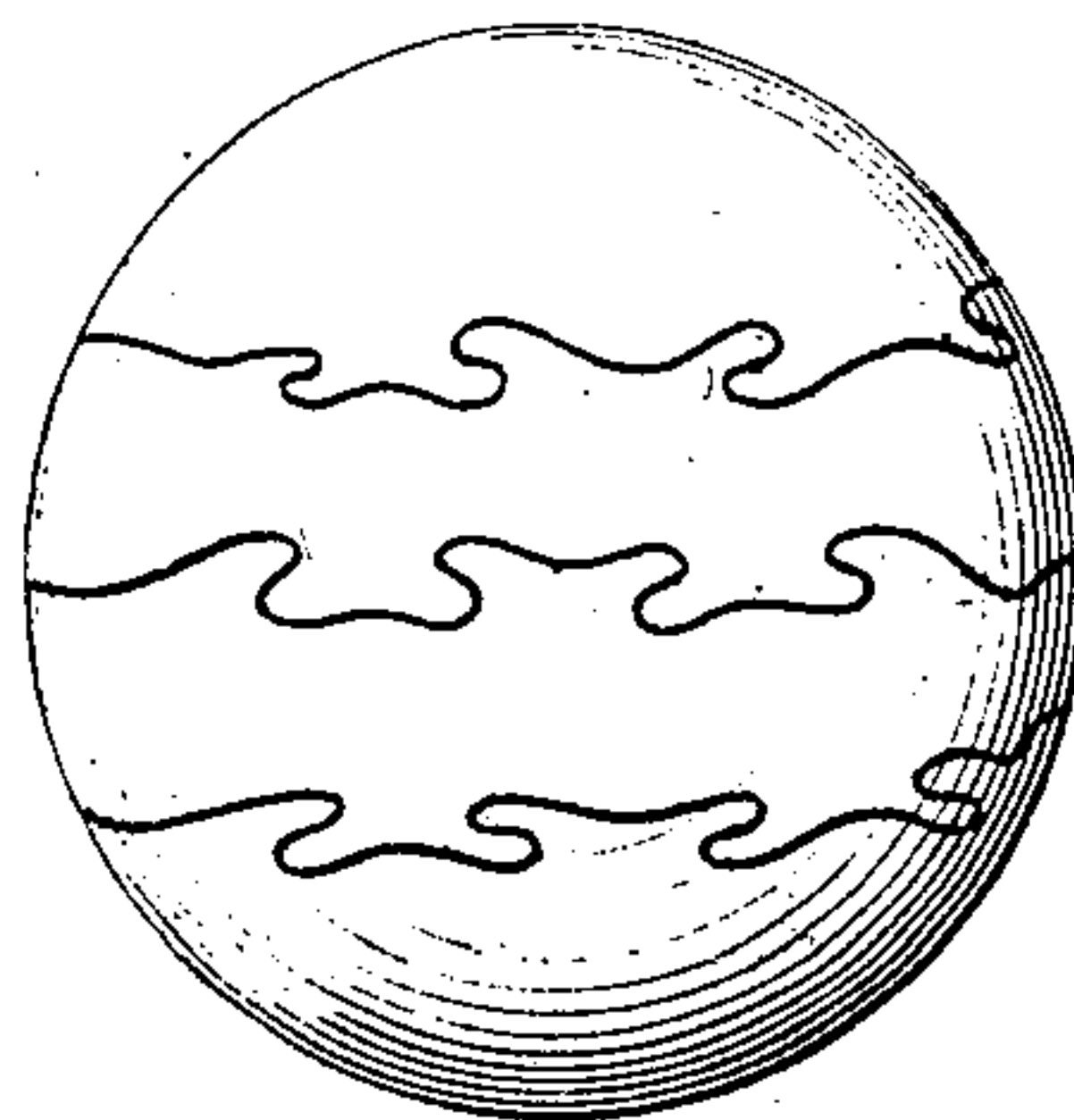
*Fig. 4.*



*Fig. 3.*



*Fig. 5.*



Attest:

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# UNITED STATES PATENT OFFICE.

REUBEN McCHESNEY, OF PHILADELPHIA, PA., ASSIGNOR OF TWO-THIRDS  
TO WILLIS L. C. ABBOTT AND REGINALD M. MINER, BOTH OF SAME PLACE.

## SAWED PUZZLE.

SPECIFICATION forming part of Letters Patent No. 245,533, dated August 9, 1881.

Application filed June 1, 1881. (Model.)

*To all whom it may concern:*

Be it known that I, REUBEN McCHESNEY, a citizen of the United States, residing at Philadelphia, in the county of Philadelphia and State of Pennsylvania, have invented certain new and useful Improvements in Sawed Puzzles; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters or figures of reference marked thereon, which form a part of this specification.

My invention relates to sawed puzzles composed of wood or similar material, and having a cylindrical, oval, or spherical form.

The invention consists in making a number of peculiar lock-cuts through a cylindrical, oval, or spherical piece of wood or other suitable material, so that when the cut pieces are taken apart it will be difficult to readjust them in the form they had before they were separated.

In the annexed drawings, which fully illustrate my invention, Figure 1 is a top view of a ball or sphere secured in a frame, and showing the first cut made. Fig. 2 is a vertical section of the same after the first cut has been made. Fig. 3 represents half of the ball sawed in two parts and turned over. Fig. 4 shows two views of a quarter when finished. Fig. 5 shows a top view of one-half of the ball, representing the cuts made through it while resting on its flat side; and Fig. 6 represents a sawed piece having an acorn or general oval shape, in which the first cut is made in the same manner as that shown in Fig. 1.

The frame A, in which the piece to be cut is placed, may be composed of wood or other material, and is provided with an opening which corresponds in shape and size with the piece to be cut. This frame or its equivalent is necessary for holding the piece while the first cut is made, after which the sawed piece is taken from the frame, laid upon its sawed side, and further cuts given to it of any form or in any direction desired. Before being cut the spherical piece of wood or other material may be covered with a map of the world, attached in any convenient manner, or the spherical, oval, or cylindrical pieces may be covered with any appropriate designs.

A puzzle constructed in this manner requires a certain degree of skill for its manipulation, and will afford a means of instruction as well as amusement.

I am aware that sawed puzzles of a square or flat form have been heretofore made, and therefore do not claim a sawed puzzle, broadly; but

What I do claim as my invention, and desire to secure by Letters Patent, is—

A spherical, oval, or cylindrical puzzle composed of pieces separated by lock-cuts, substantially as specified.

In testimony whereof I affix my signature in presence of two witnesses.

REUBEN McCHESNEY.

Witnesses:

PHILIP MAURO,  
F. H. SCHOTT.