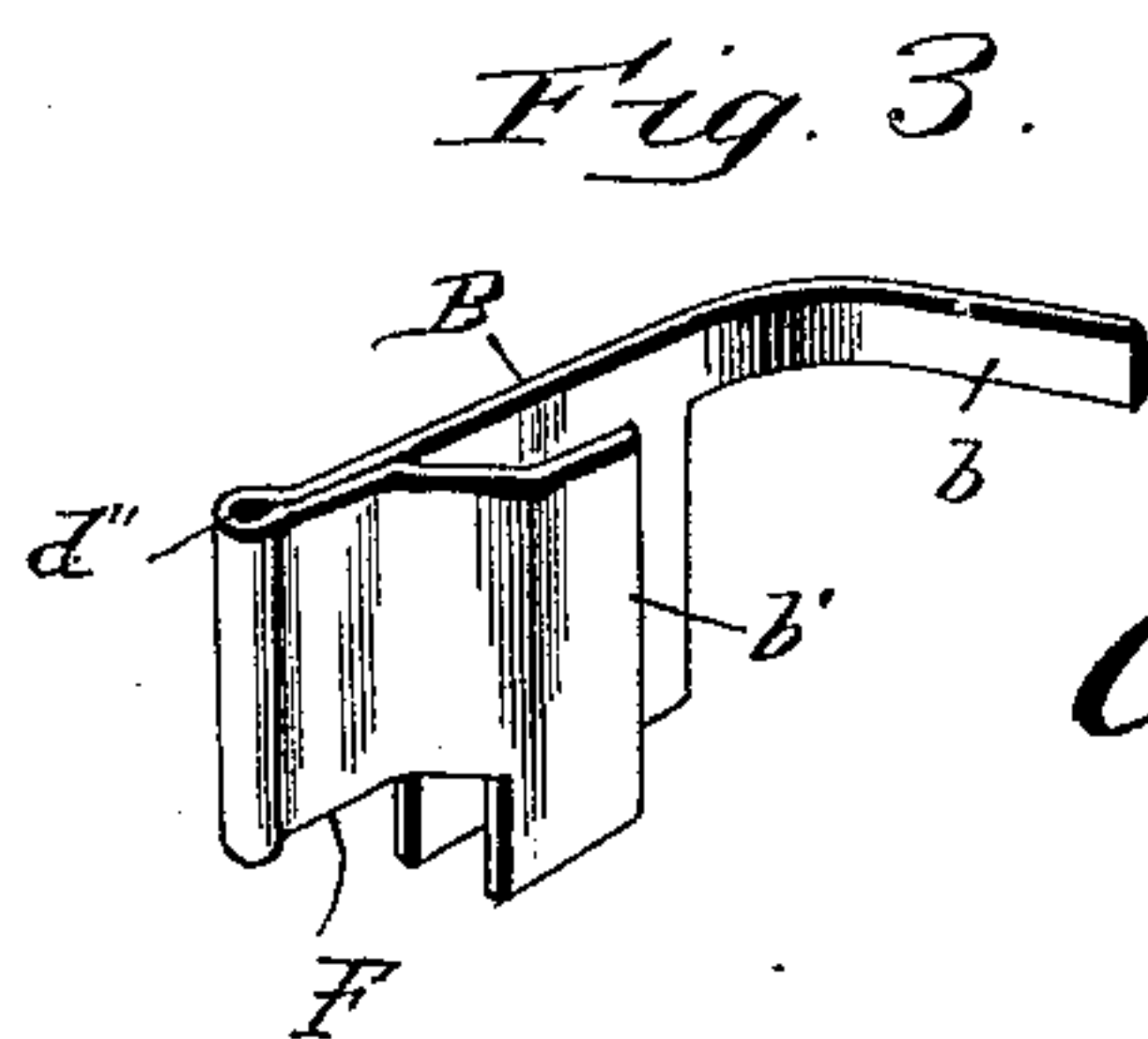
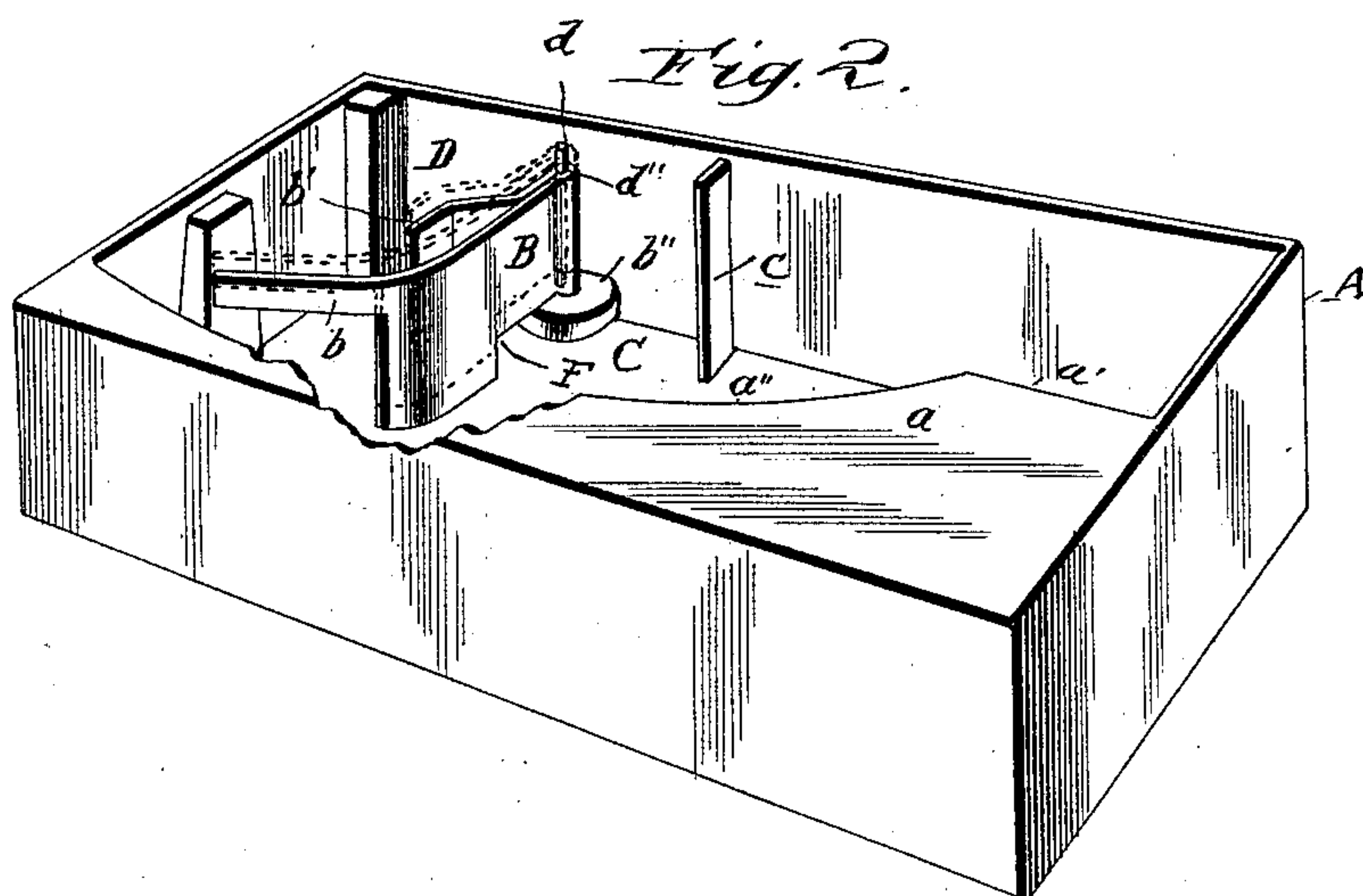
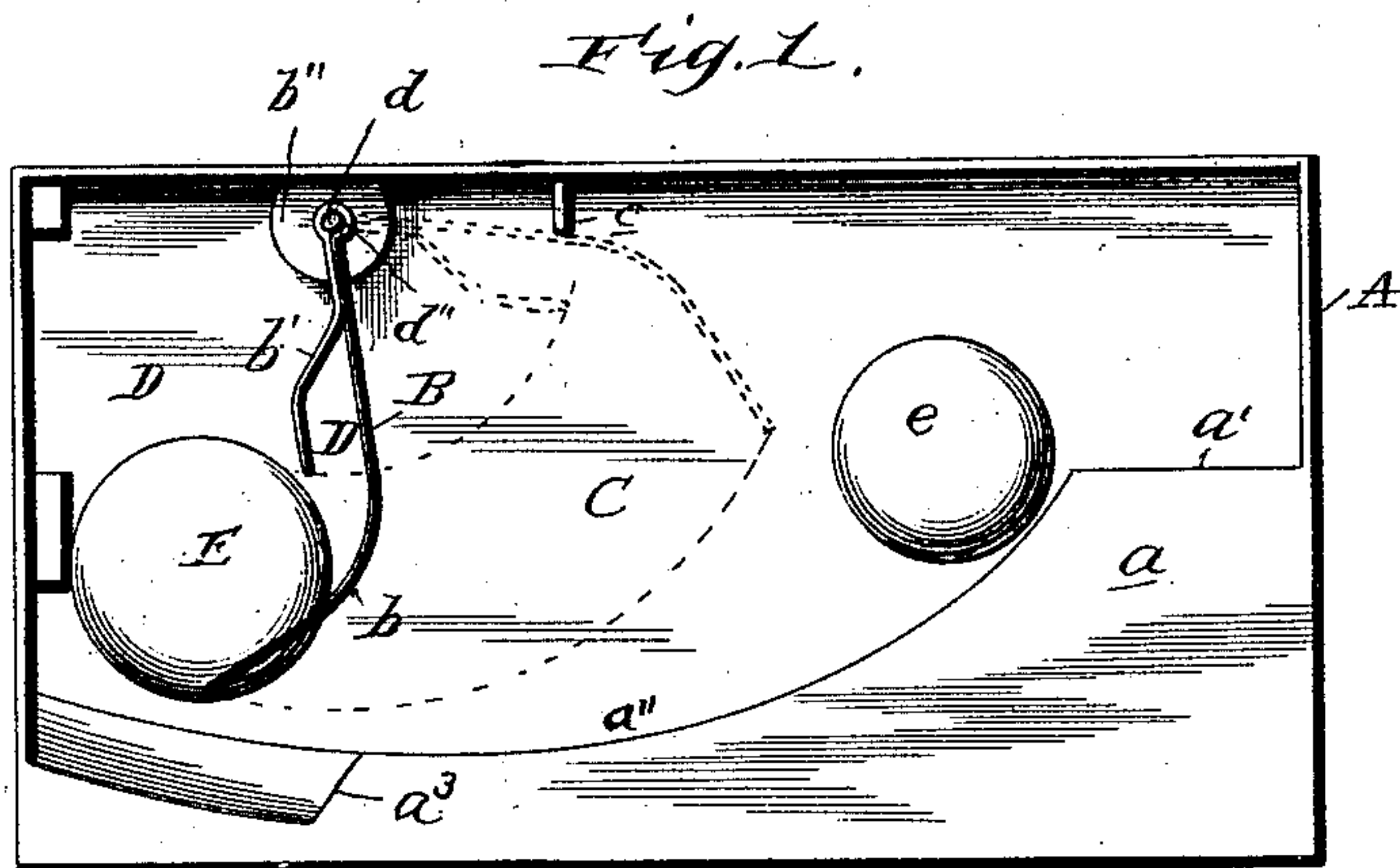


(No Model.)

A. H. GAILLARD.
GAME OR PUZZLE.

No. 423,919.

Patented Mar. 25, 1890.



A. H. Gaillard
Inventor

Inventor

By his Attorney
W. Fitzgerald

Witnesses
 H. Frauder.
 Mayo Vicker

UNITED STATES PATENT OFFICE.

ALBÉRIE HILARION GAILLARD, OF BOSTON, MASSACHUSETTS.

GAME OR PUZZLE.

SPECIFICATION forming part of Letters Patent No. 423,919, dated March 25, 1890.

Application filed October 3, 1889. Serial No. 325,839. (No model.)

To all whom it may concern:

Be it known that I, ALBÉRIE HILARION GAILLARD, a citizen of Bordeaux, France, residing at Boston, in the county of Suffolk and State of Massachusetts, have invented certain new and useful Improvements in Games or 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.

My invention relates to improvements in toys or puzzles; and it consists in certain novel features hereinafter described and claimed. In the accompanying drawings, Figure 1 is a plan view of the improved device with the cover removed. Fig. 2 is a perspective of the same with the balls removed, and Fig. 3 is a detail perspective view of the gate.

Referring to the drawings by letter, A designates the box or body of my improved puzzle or toy, which is provided with a transparent cover. Within this box A, and extending along one side of the same, I secure a block *a*, having an irregular-shaped inner or upper edge, providing the platform *a'* and the curved path *a''*, leading downward therefrom. Near the lower end of the curved path I form the transverse shoulder or rest *a³*, as clearly shown. About on a line with the shoulder *a³* and at the opposite side of the box I provide the circular base-plate *b''*, in which a rigid spindle *d* is secured. A swinging gate B is loosely hung on this spindle by means of an eye *d''* at one end engaging said spindle, so that the gate is free to swing and also to slide along the same. The corners of the gate are cut away, as shown, so as to provide the recess F at its pivotal end to clear the base *b''* and the finger *b* at its free end. This gate divides the box into the compartments C D, and in the compartment C, adjacent to the base *b''*, I provide the stop or rib *c*, as clearly shown.

The puzzle is completed by the balls or rolling objects E *e*, the ball *e* being smaller than the ball E.

In practice the device is given to the player with both balls or the larger ball in the com-

partment C, and he is requested to so manipulate the toy as to cause both balls or the larger one to enter the compartment D. This desired result is accomplished in the following manner: The smaller ball readily passes the gate, but the larger one is stopped by the finger of the same. The smaller ball is therefore rolled quickly and easily into the compartment D, after which the device is manipulated as follows: The box is turned into a vertical position, so that the block *a* forms the bottom or floor and the smaller ball will rest against the shoulder *a³*. The box is then gently tilted, so that the larger ball will roll onto and be held upon the platform *a'*, after which a slight jerk is given the box, causing the gate to slide upon the spindle, so that its finger will be held against the cover of the box by the smaller ball and out of the path of the larger ball. A slight inclination is then given the box and the larger ball will roll down the curved path, past the gate, and into the compartment D. The rib *c* prevents the gate swinging against the side of the box, so as to clear the larger ball, and consequently prevents the puzzle being solved in but one manner.

My toy is very simple, can be manufactured at a trifling cost, and will be productive of much innocent amusement.

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

1. A toy consisting of a box, a block *a* therein, having a curved path in its upper or inner edge, a spindle secured in the box, a gate loosely hung on the spindle and adapted to swing over the curved path, and the balls of unequal size adapted to roll over the curved path and clear the gate, as set forth.

2. A toy consisting of the box, the block secured therein, having a curved path in its upper edge, the spindle in the box, the rib arranged adjacent to the spindle, the gate loosely hung on said spindle and having a finger at its free end, and the balls of unequal size resting on the block, as set forth.

3. A toy consisting of the box, a block secured therein, having an irregular edge,

providing the platform a' , the curved path
 a'' , and the shoulder a^3 , the spindle secured
in the box, the gate loosely hung therein
and adapted to swing adjacent to the curved
5 path, and the balls of unequal size adapted to
roll over said path and clear said gate, as set
forth.

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

ALBÉRIE HILARION GAILLARD.

Witnesses:

STEPHEN GALE,
SOLOMON BACHARACH.