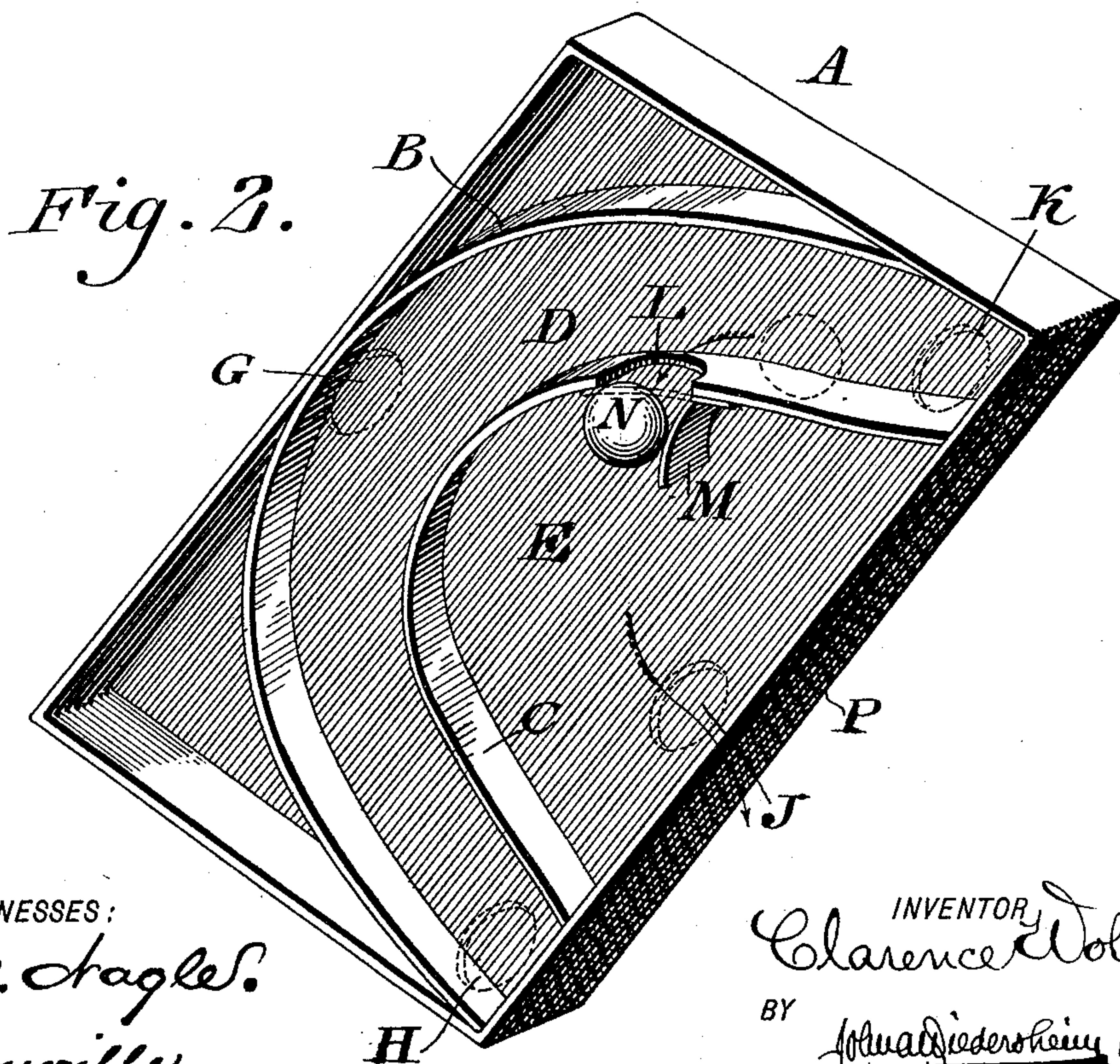
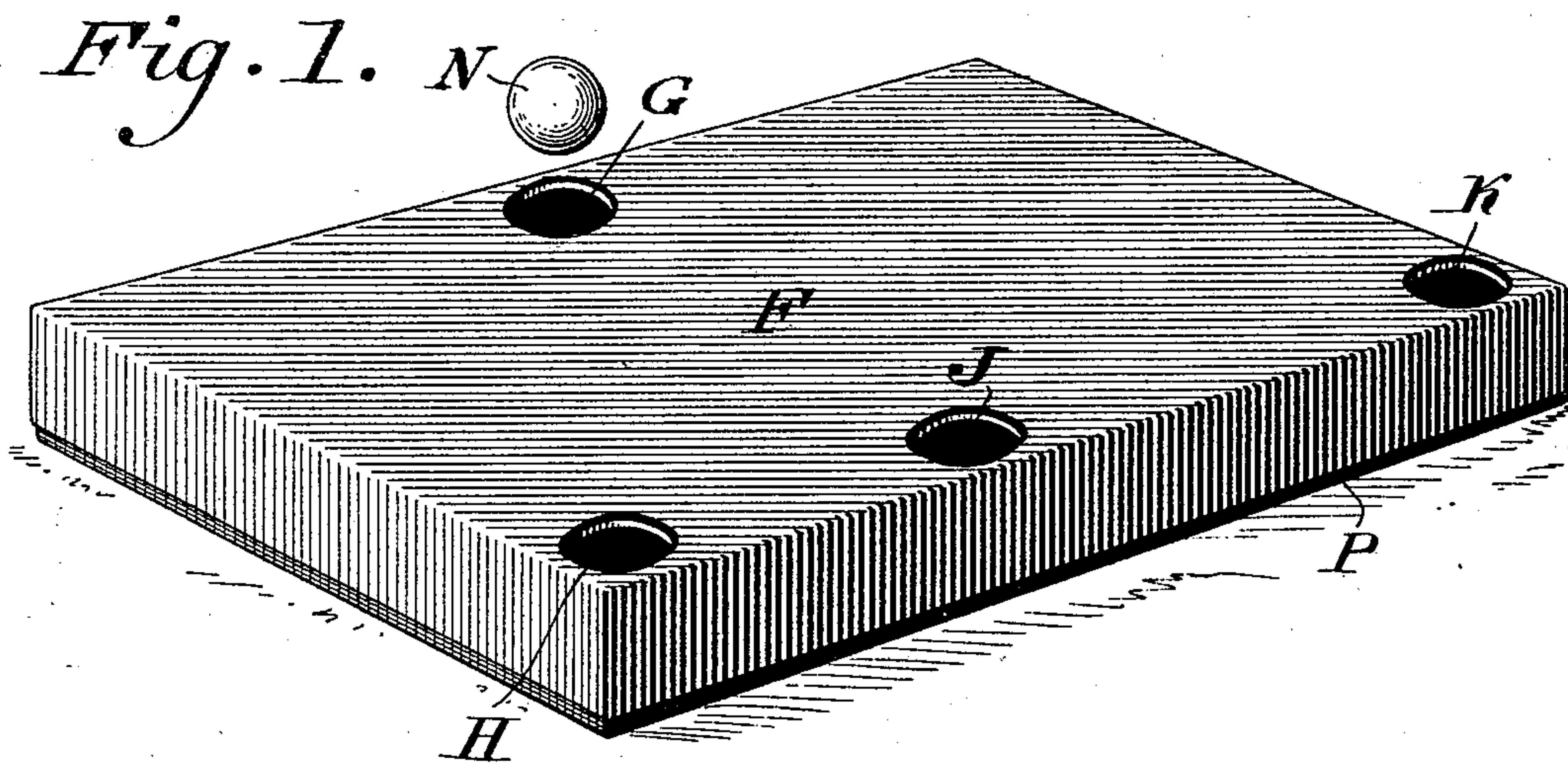


(No Model.)

C. WOLF.
PUZZLE.

No. 480,983.

Patented Aug. 16, 1892.



WITNESSES:

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CLARENCE WOLF, OF PHILADELPHIA, PENNSYLVANIA.

PUZZLE.

SPECIFICATION forming part of Letters Patent No. 480,983, dated August 16, 1892.

Application filed April 11, 1892. Serial No. 428,624. (No model.)

To all whom it may concern:

Be it known that I, CLARENCE WOLF, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Puzzles, which improvement is fully set forth in the following specification and accompanying drawings.

My invention consists of a game or puzzle formed of a box having a passage and a chamber and a lid provided with openings so located that a ball that is admitted into said passage requires considerable manipulation in order to be admitted into and discharged from said chamber, the means employed not being apparent from the outside.

Figure 1 represents a perspective view of a puzzle embodying my invention. Fig. 2 represents a perspective view of the interior thereof.

Similar letters of reference indicate corresponding parts in the two figures.

Referring to the drawings, A designates a box, having therein the walls B and C, forming a passage D and chamber E, said passage being of circular or angular form, as desired.

F designates the lid of the box, the same having openings G, H, J, and K therein, the opening G being at the crown of the passage D, and the openings H K at what may be termed the "ends" of said passage, and the opening J at the base of the chamber E. The wall B has a recess L formed therein, the same being covered by a flap M, constituting a valve, which opens into the chamber E.

The operation is as follows: A ball N is inserted in the opening G, and so drops into the passage D. Now if the box is placed in upright position, so that the side P is below, the ball will be found to roll toward either of the openings H or K, and thus escape therefrom, which is the improper place of discharge

thereof. The secret of the removal of the ball is in directing it from the passage D into the chamber E, so as to be discharged through the opening J. To accomplish this, the box is placed as before and tilted toward the holder of the box and gradually overturned, so that the ball which has been dropped into the passage D, rolls on the back of the lid and on the wall C until it reaches the recess L, whereby it bears against the valve M and opens the latter, and then drops into the chamber E. The operator now hearing the dropping of the ball may think that he has made a mistake and so seek to return the ball through the recess L, which, being closed, prevents the same. The operator duly discovers that he is correct, and that the ball has properly entered the chamber E, from which its discharge from the opening J in the lid may be readily effected.

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

1. A game or puzzle consisting of a box having a passage and a chamber therein, with a valve opening into said chamber from said passage, said chamber and passage having openings in the lid of the box, said parts being combined substantially as described.

2. A game or puzzle consisting of a box with the walls B and C therein forming the passage D and the chamber E, said passage D having openings at its crown and ends and the chamber having an opening in its wall, the division-wall of the passage and chamber having a valve opening into the chamber, said parts being combined substantially as described.

CLARENCE WOLF.

Witnesses:

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A. P. JENNINGS.