

No. 618,969.

Patented Feb. 7, 1899.

H. F. WILLIAMS.

GAME BOX.

(Application filed Jan. 26, 1898.)

(No Model.)

FIG. 1

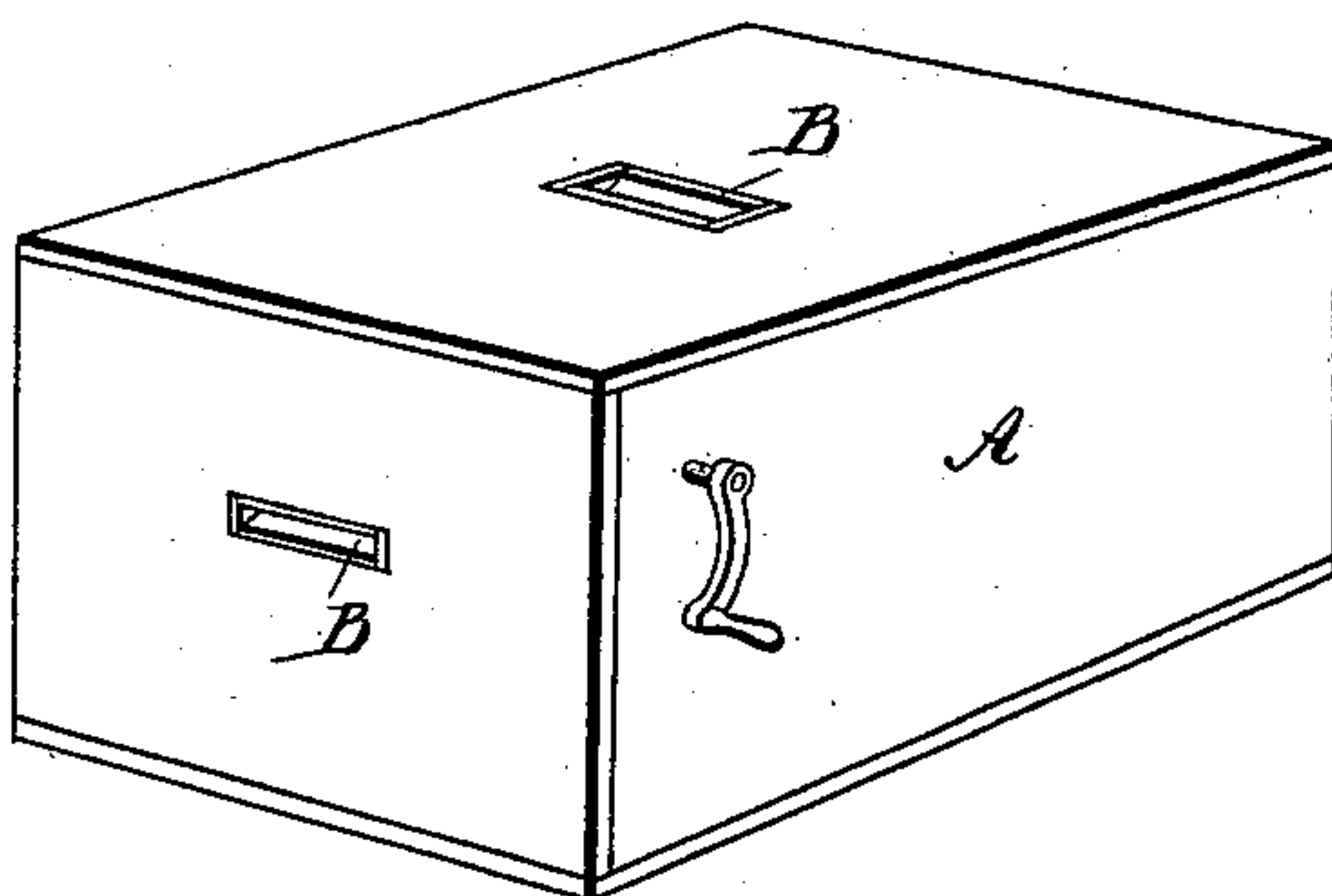


FIG. 2

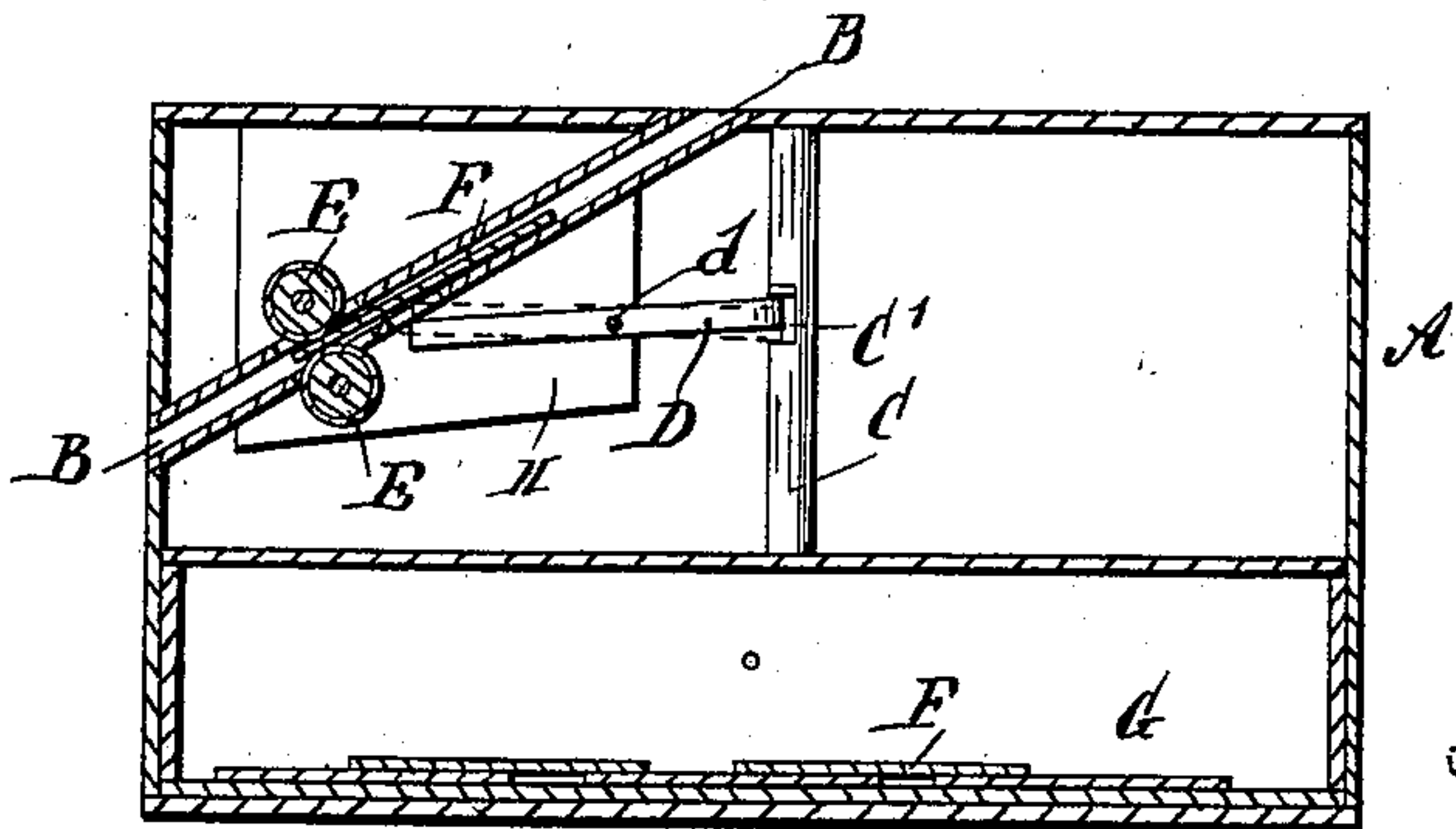


FIG. 3

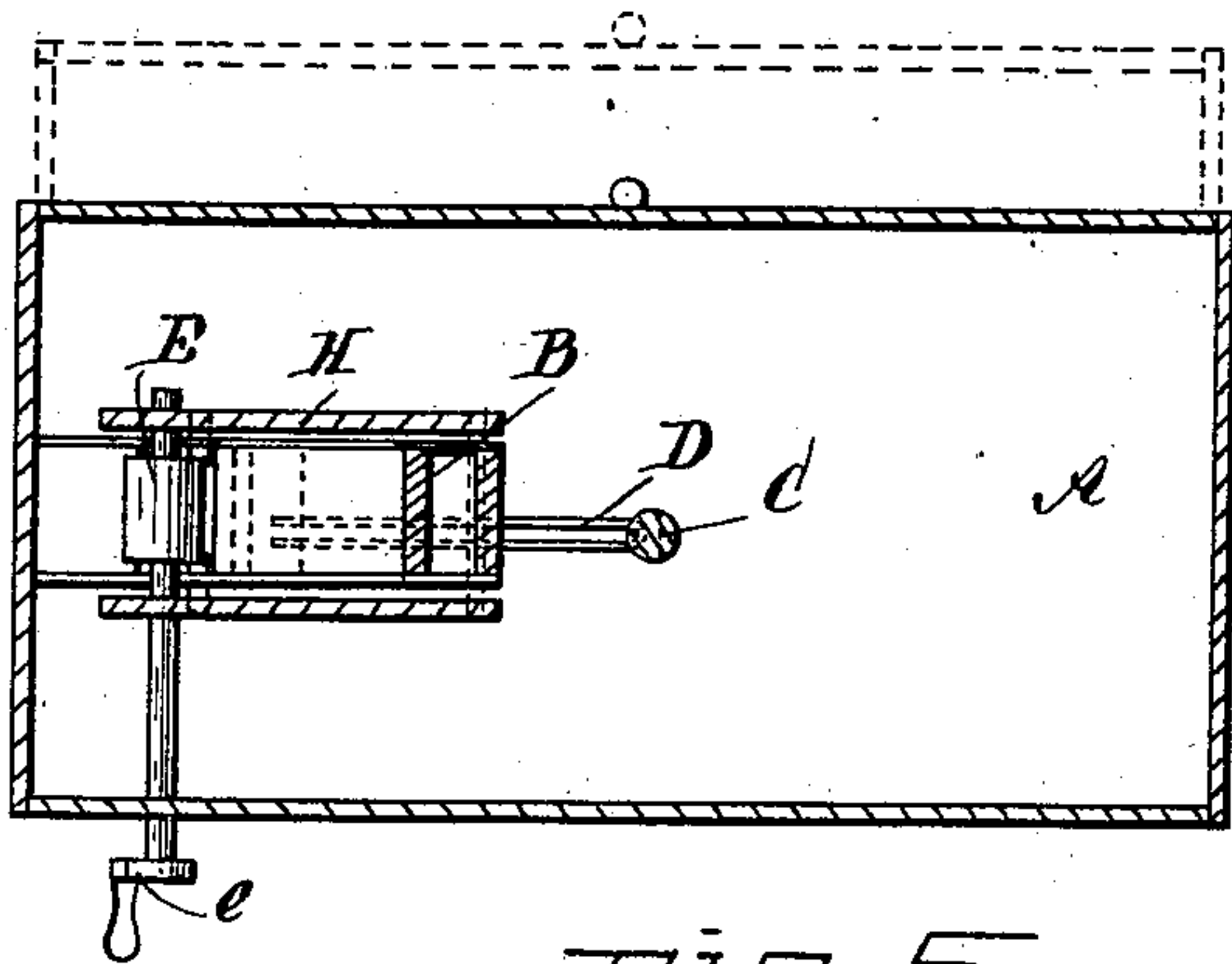


FIG. 5

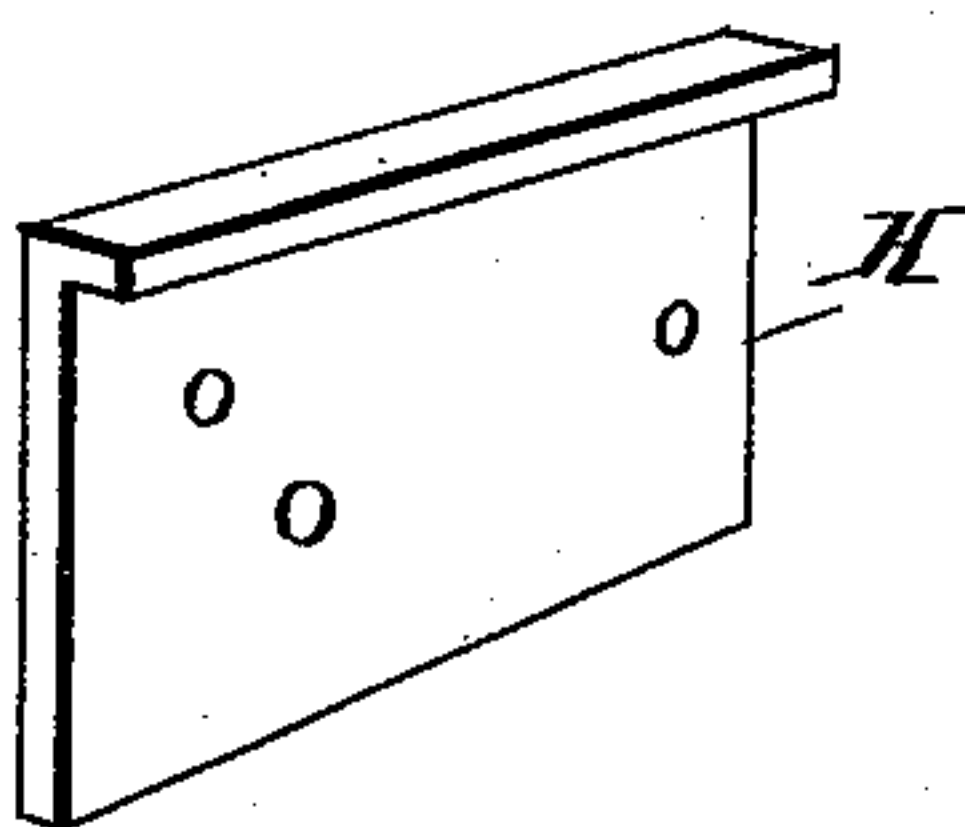
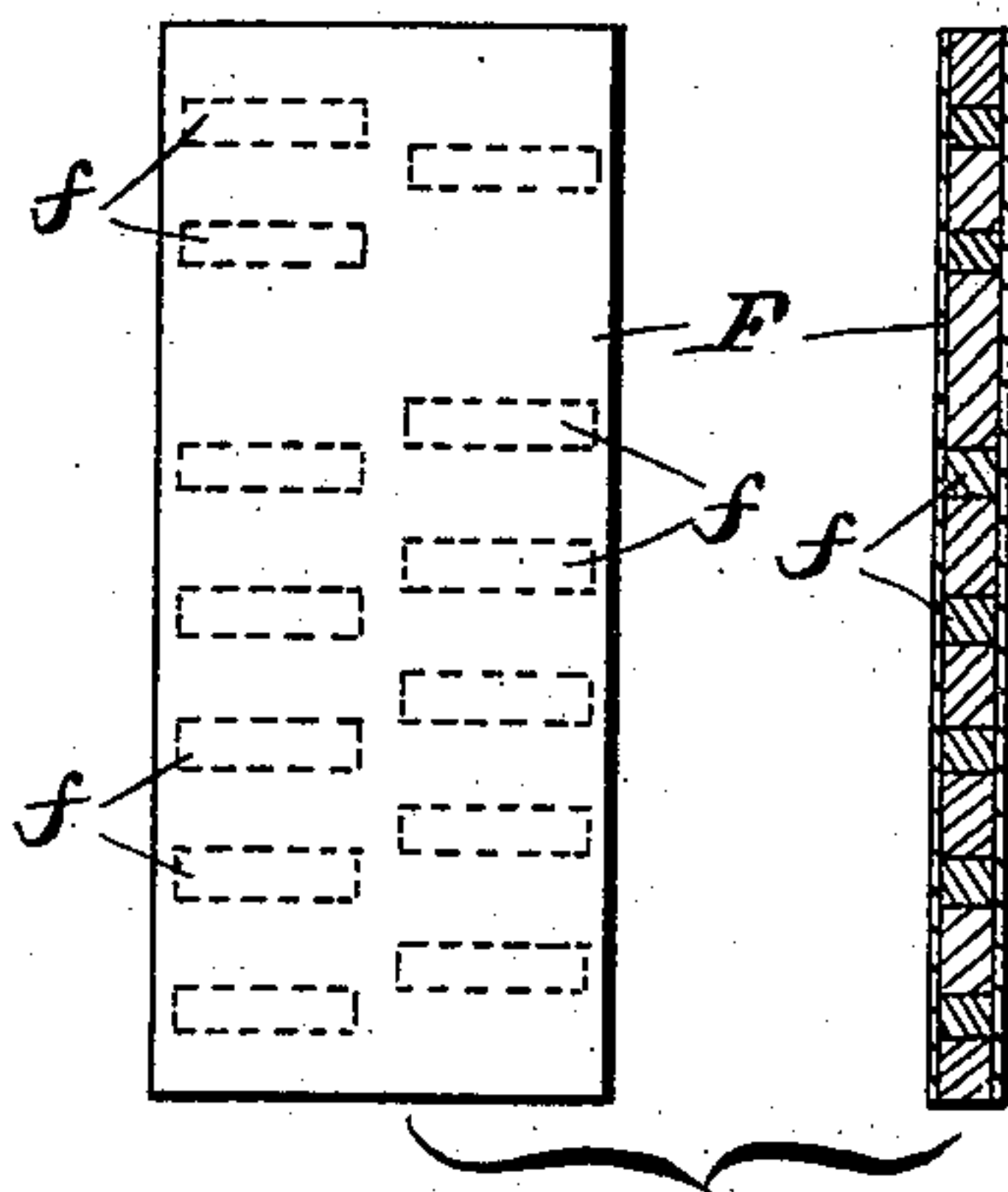


FIG. 4



WITNESSES:

J. A. Boophy  
H. L. Reynolds.

INVENTOR

H. F. Williams.

BY

muny

ATTORNEYS.

# UNITED STATES PATENT OFFICE.

HARRY FRED WILLIAMS, OF HARTFORD, CONNECTICUT.

## GAME-BOX.

SPECIFICATION forming part of Letters Patent No. 618,969, dated February 7, 1899.

Application filed January 26, 1898. Serial No. 668,006. (No model.)

*To all whom it may concern:*

Be it known that I, HARRY FRED WILLIAMS, of Hartford, in the county of Hartford and State of Connecticut, have invented a new and Improved Game-Box, of which the following is a full, clear, and exact description.

My invention relates to an improvement in game-boxes adapted to be used with a series of cards having questions printed thereon and designed to give answers to these questions by raps produced by the attraction of a magnet as a card passes through the box.

The invention consists of certain novel features of construction, which will be hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the views.

Figure 1 is a perspective view of the box. Fig. 2 is a longitudinal sectional elevation thereof. Fig. 3 is a horizontal section thereof. Fig. 4 is a plan view and section of a card, showing its method of construction; and Fig. 5 is a perspective view showing the plate which is attached to the top of the box and forms a bearing for the inner ends of the pulleys forming the card-feeding mechanism.

The device comprises a box A, which may be provided in its lower part with a drawer G, adapted to receive the cards F when the latter are not in use. Through the upper portion of the box A is a diagonally-extending chute B, adapted to snugly receive the cards F. The cards are intended to be inserted at the upper end of the chute B and to pass out of the lower end thereof. Within the box are mounted two feed-rollers E, extending across, one above and the other below the chute B and adapted to engage opposite sides of the card to insure its being properly fed forward. One of the rollers E has its shaft extended outside the box and provided with a crank e, by which it may be turned.

Within the upper part of the box and beneath the chute B is pivoted a magnet D. This magnet is so pivoted that the poles thereof are close to the under surface of the chute B and so that the end below the chute is slightly heavier than the opposite end. The end of the magnet farthest from the chute B enters a slot C' in a vertical post C,

extending from the top to the bottom of the upper compartment of the box A. This slot is of sufficient extent to permit the free end of the magnet to drop a very short distance away from the chute B.

The cards F used in connection with the box A are shown in Fig. 4 and consist of a body having a series of metal strips or bars f embedded therein and arranged in certain order, so as to create a series of swinging movements in the magnet as the cards pass by the end thereof. The cards are preferably formed by stamping recesses therein properly located to receive the metal bars, and then after inserting the bars therein covering said card with outer layers of paper, so as to inclose the metal bars and render them invisible. The bars are arranged in such a manner as to cause different series of swings of the magnet, and consequently different series of raps upon the post C and the body of the box.

As the card F passes through the chute B it will thus produce a series of raps, and these raps, being counted, will indicate the intended number. These series of raps may be divided up into two parts, and thus permit the rapping of any number having two figures therein. The meaning of this number is obtained by referring to a printed list of answers, each of which is designated by a particular number.

The magnet D is pivoted so that its ends come beneath the card at one side of the center, and the cards are provided with a double row of the metal bars f. In consequence of this each card may be inserted in such a way as to produce four different series of raps or numbers, the number depending, first, upon which side of the card is up, and, secondly, upon which row of plates is acting upon the magnet and also upon which end of the card is first inserted.

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

1. A game-box, having a chute therein adapted to receive a card, a device adapted to feed the card through said chute, a magnet pivoted with its poles adjacent said chute, a stop engaging the other end of the magnet and permitting a limited swing thereof, and a card adapted to be passed through the chute and having magnetic bars embedded therein



and adapted to attract the magnet, substantially as described.

2. A game-box, having a chute therein adapted to receive a card, a device adapted  
5 to feed the card through the said chute, a magnet pivoted with its poles adjacent and at one side of the center of said chute, a stop engaging the other end of the magnet and permitting a limited swing thereof, and a card  
10 adapted to be passed through the slot and having two rows of magnetic bars or plates embedded therein upon opposite sides of a longitudinal center line and adapted to attract the magnet, substantially as described.

15 3. A game-card, having rows of magnet-bars embedded therein upon opposite sides of the longitudinal center line of the card, substantially as described.

4. A game-box provided with a device  
20 mounted to have movement and constructed

to be moved by magnetic attraction, means engaged by said device when moved whereby a sound is produced, and a card having guided movement in proximity to the said device, the said card being provided with means for mag- 25  
netically attracting and moving said device, substantially as described.

5. A game-box provided with a pivoted magnet and a card arranged to have guided movement in proximity to the poles of the magnet, 30  
the said card having rows of magnet-bars embedded therein upon opposite sides of the longitudinal center line of the card, and the said magnet being so pivoted that its poles will be at one side of the center of the card, substan- 35  
tially as described.

HARRY FRED WILLIAMS.

Witnesses:

J. W. STURCK, Jr.,

J. P. HOFFORT.