

(No Model.)

2 Sheets—Sheet 1.

G. F. HOWARD.

APPARATUS FOR CHECKING AND REGISTERING THE NUMBER OF GAMES
OR DEALS PLAYED AT CARDS, &c.

No. 291,056.

Patented Jan. 1, 1884.

Fig. 1.

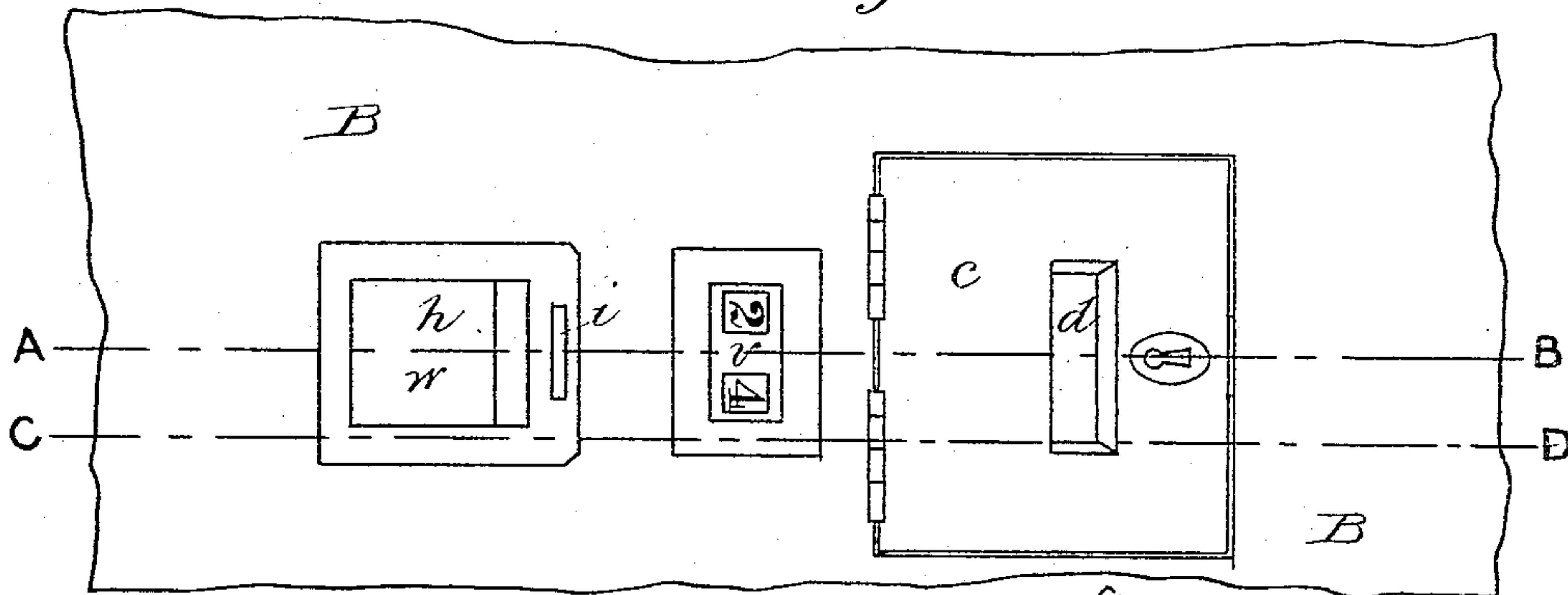


Fig. 2.

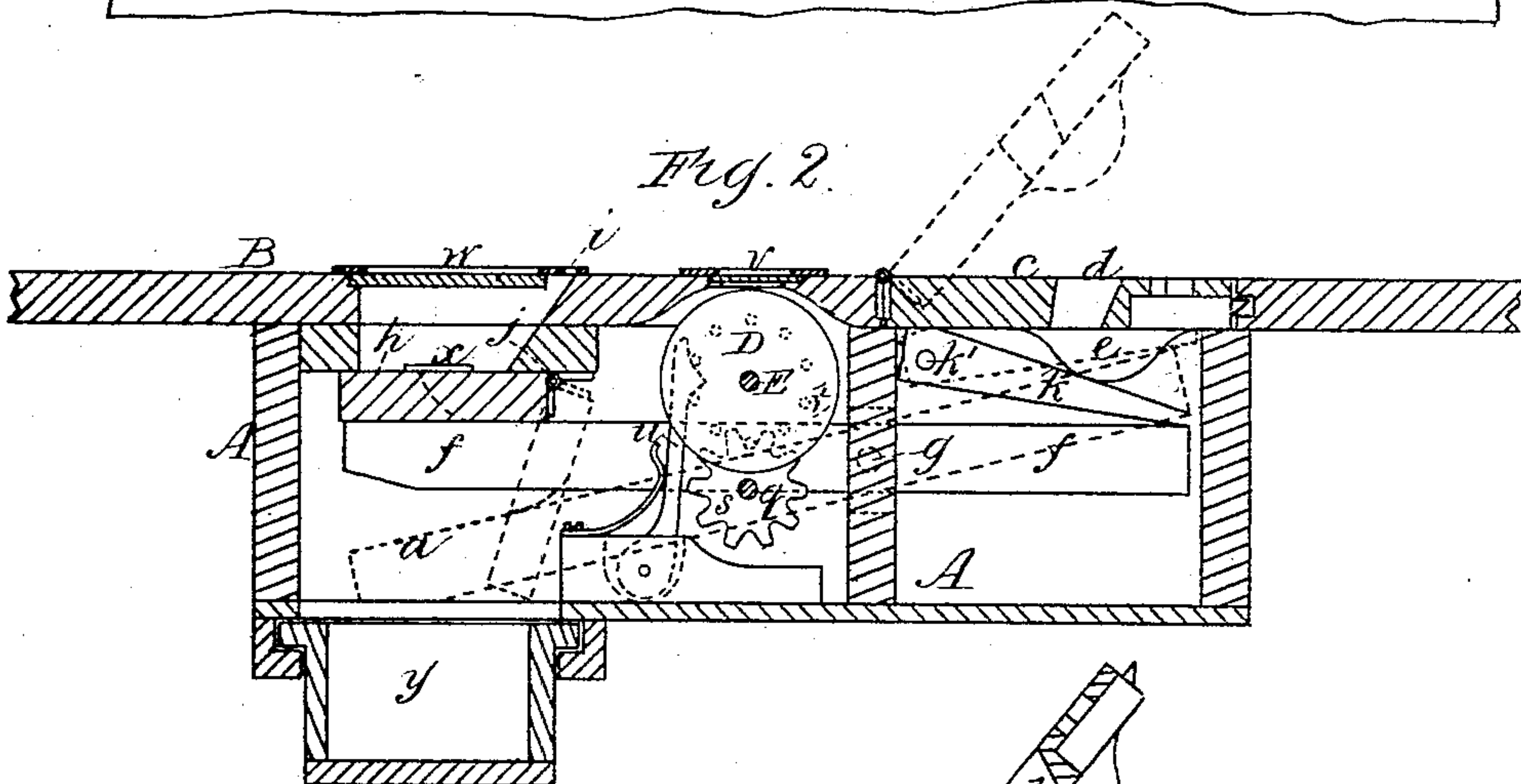
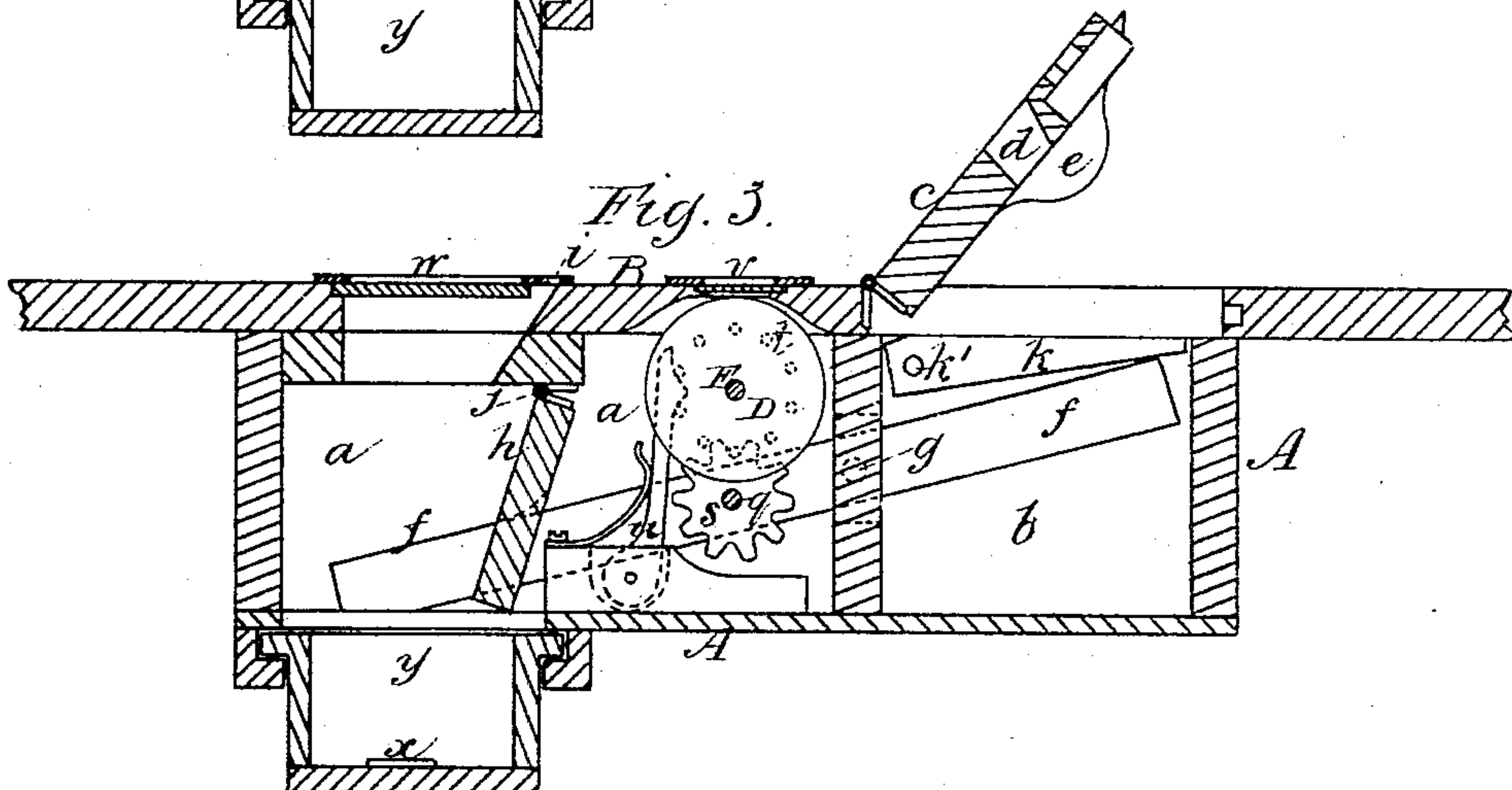


Fig. 3.



Witnesses

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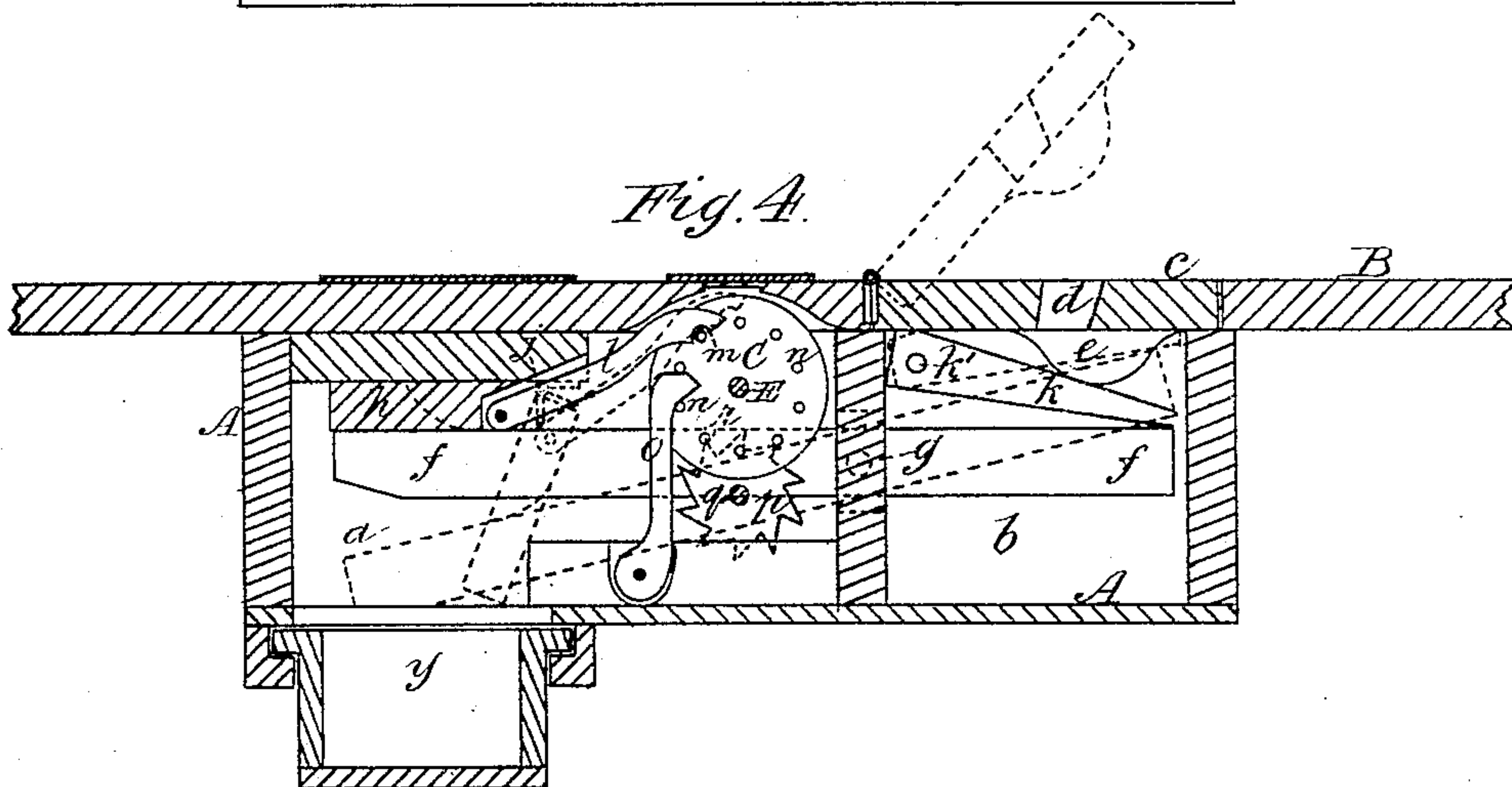
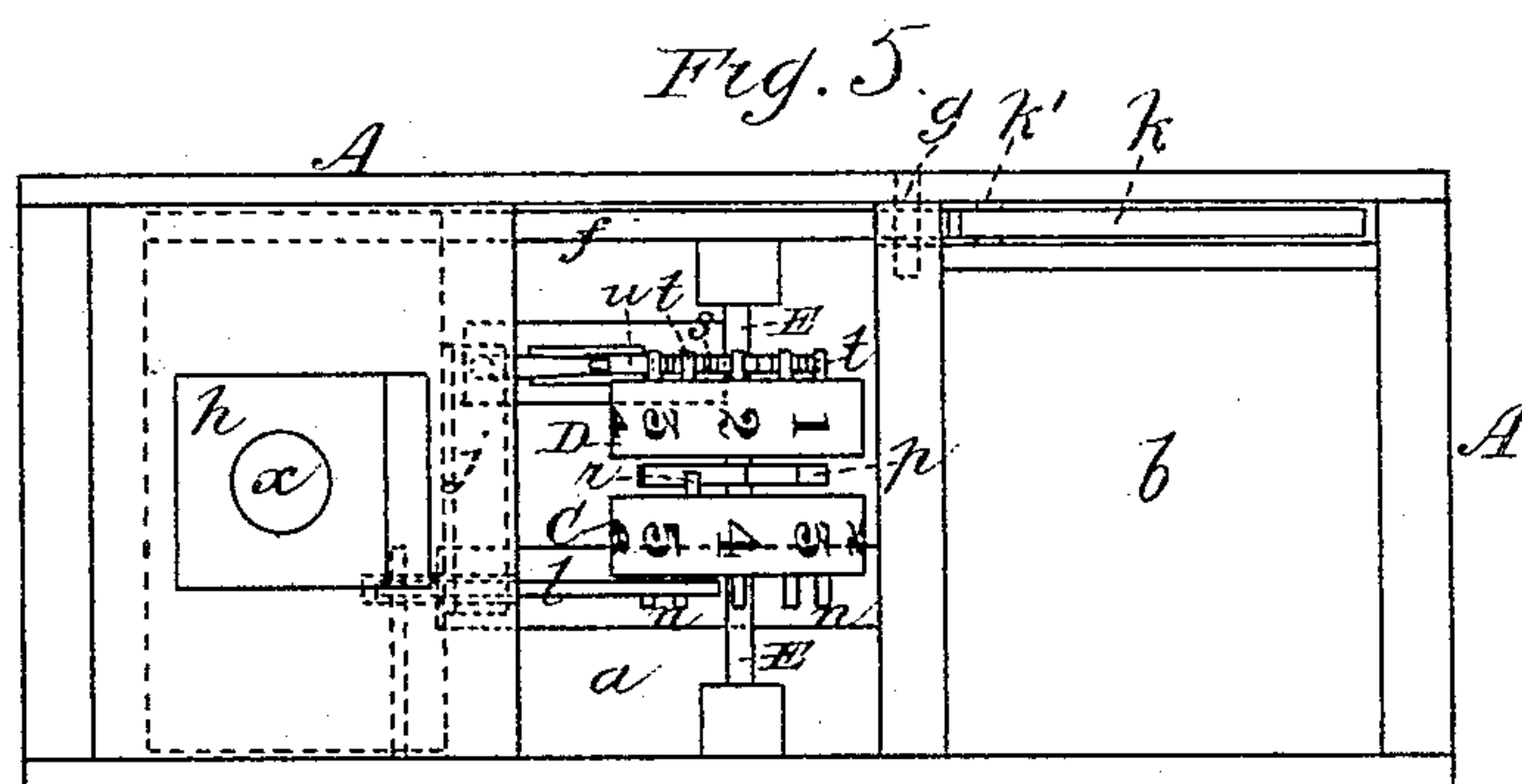
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UNITED STATES PATENT OFFICE.

GEORGE F. HOWARD, OF LONDON, ENGLAND.

APPARATUS FOR CHECKING AND REGISTERING THE NUMBER OF GAMES OR DEALS PLAYED AT CARDS, &c.

SPECIFICATION forming part of Letters Patent No. 291,056, dated January 1, 1884.

Application filed June 26, 1883. (No model.) Patented in England May 25, 1883, No. 2,612; in Germany June 21, 1883, and in France June 22, 1883, No. 156,182.

To all whom it may concern:

Be it known that I, GEORGE FREDERICK HOWARD, a subject of the Queen of Great Britain, residing at London, England, have invented a new or Improved Apparatus for Checking and Registering the Number of Games or Deals Played at Cards and the amount paid therefor, applicable also for other games and purposes, of which the following is a specification.

This invention relates to the construction of an apparatus for checking and registering the number of games, deals, or hands played at cards and the amount paid therefor, and is specially applicable for use where a certain sum has to be paid for each game, deal, or hand, such as in playing at the game of baccarat; but the invention is also applicable for other games.

The apparatus is also further applicable for checking the receipts or takings of money and tickets of public entertainments, and otherwise.

A suitable arrangement for carrying out my invention is as follows: I provide a box or receiver divided into two compartments, one for containing the principal part of the mechanism, and serving also as the money-till, the other for receiving the cards, as hereinafter described. The card-receiver is provided with a lid or cover having a slit or opening through which the cards may be dropped, and is so arranged that when the lid is opened it operates or releases a lever working on a suitable fulcrum. One end of the lever, when in its normal position, keeps closed a flap placed under a slit in the top of the box or receiver, through which slit the money paid for the game or deal is passed. The said flap carries a suitable pawl, so constructed and arranged that when the flap is released, as hereinafter described, it operates a register or counter.

In order to enable my invention to be fully understood, I will proceed to describe the same by reference to the accompanying drawings, in which—

Figure 1 is a plan of the apparatus constructed according to my invention; Figs. 2 and 3, longitudinal sections on the line A B of Fig. 1, Fig. 2 showing the apparatus closed, and Fig.

3 showing the parts in the position they occupy when the apparatus is opened. Fig. 4 is a longitudinal section on the line C D of Fig. 1, and Fig. 5 is a plan of the apparatus with the top part removed.

Similar letters in all the figures represent similar parts.

A is the box or receiver, which is screwed or otherwise suitably fixed under the top B of a table, which forms the top of the apparatus. The box or receiver A is divided into two compartments, *a* and *b*, the latter, *b*, forming the card-receiver, and the former, *a*, serving to contain the principal part of the mechanism.

c is the lid of the card-receiver *b*, hinged in an opening in the top B of the table.

d is the slit or opening in the lid *c*, through which the cards are dropped into the card-receiver *b*.

e is a projection on the underside of the lid *c*.

f is the lever working on a fulcrum at *g*.

h is the flap placed under the slit *i* in the top B of the table, the said flap being hinged at *j*, as shown, and being placed above the long arm of the lever *f*.

k is an arm or lever hinged at *k'*, its free end bearing against the shorter arm of the lever *f*, against which it is kept (when the apparatus is closed, as in Fig. 2) by the projection *e* of the lid *c*, thereby keeping the lever *f* and flap *h* in the horizontal or closed position.

The counter consists to two cylinders, C and D, the said cylinders turning loosely on the shaft E. The periphery of the cylinder C is numbered from 0 to 9, and serves to represent the units. The periphery of the second cylinder, D, is numbered from 1 to 9, with a blank between the 1 and the 9, and serves to represent the tens.

To the flap *h* is jointed or hinged the pawl *l*, notched at *m* to take onto the pins or projections *n* on one side of the cylinder C, to allow of the said cylinder being rotated, as hereinafter described.

o is a catch for preventing the backward movement of the cylinder C.

Between the cylinders C and D is a ratchet-wheel, *p*, on a shaft, *q*, below the cylinders C and D. When the cylinder C has completed one revolution, the pin *r* thereon will move

the ratchet *p* one tooth, and thereby also move the toothed wheel *s* one tooth, the said wheel *s*, in moving, turning with it the cylinder *D*, the projections *t* on the side of which gear into the teeth of the wheel *s*.

u is a catch to prevent the backward movement of the cylinder *D*.

v is an opening in the table *A*, filled in with glass, through which may be seen the number on the counter below. *w* is an opening, also glazed, through which may be seen the coin *x*, resting on the flap *h*.

y is a drawer to receive the money falling from the flap *h*. The lid or cover *c* is held closed by a spring-lock.

The action of the apparatus is as follows: The amount of money to be paid for the deal (or game or hand, as the case may be) is passed through the slit *i*, and will rest on the flap *h*, as shown in Fig. 2, and upon the deal being finished the cards are dropped through the slit *d* in the lid *c*, and will fall into the receiver *b*. To play the next deal the cards must be taken out of the said receiver *b*, and for this purpose the lid or cover *c* must be raised into the position shown in Fig. 3, and in dotted lines, Figs. 2 and 4. The raising of the said lid or cover *c* releases the arm *k*, and the lever *f* falls into the position shown in Fig. 3, the flap *h* also falling, as shown, the coin *x* thereon being discharged into the drawer *y*. The flap *h*, in falling, moves the pawl *l*, which thereby rotates the cylinder *C* one-tenth of a revolution, so as to bring the next figure on its periphery under the opening *v*, and thus register the deal or game. The lid or cover *c* being closed, the parts will be carried back to their normal position. At the tenth opening of the lid or cover *c* the pin *r* will operate the ratchet *p* one tooth, and thereby, by means of the toothed wheel *s* and the projections *t*, the cylinder *D* will be turned one-tenth of a revolution, so as to bring its first figure, 1, under the glazed opening *v*, and the counter will thus register 10, and so on. By this arrange-

ment it will be evident that each opening of the hereinbefore-described lid or cover *c* will be registered on the counter, so as to register the number of games or deals played, and consequently allow of checking, if the proper amount has been placed in the till.

I have described the apparatus as constructed when used in card-playing; but it will be readily understood that, with slight modifications, it may be used for checking and registering the numbers of other games played—such, for example, as billiards.

It will be obvious that some of the parts may be varied without departing from the principle of the invention. For example, the lid or cover *c* may be made to slide, so as to release or operate the lever *f*, and other constructions of counter may be employed; but I have described the construction of apparatus which I have found to answer well in practice.

It will also be evident that the apparatus may, with slight modifications, be employed for other checking purposes.

Having now described my invention and the manner of performing the same, what I claim is—

1. A checking and registering apparatus having a lid or cover the opening of which serves to release a lever, and thereby to actuate a pawl which operates a registering counter or counters, all substantially as shown and described.

2. In combination with the box or receiver *A*, the lid *c*, levers *k* and *f*, flap *h*, pawl *l*, and counter-cylinder *C*, the combination being and operating all substantially as described.

3. In combination with the box or receiver *A*, the lid *c*, levers *k* and *f*, flap *h*, pawl *l*, cylinder *C*, ratchet *p*, shaft *q*, toothed wheel *s*, and cylinder *D*, the combination being and operating all substantially as described.

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Witnesses:

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