

No. 847,828.

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W. SANDLEBEN.
TOOTHPICK HOLDER.
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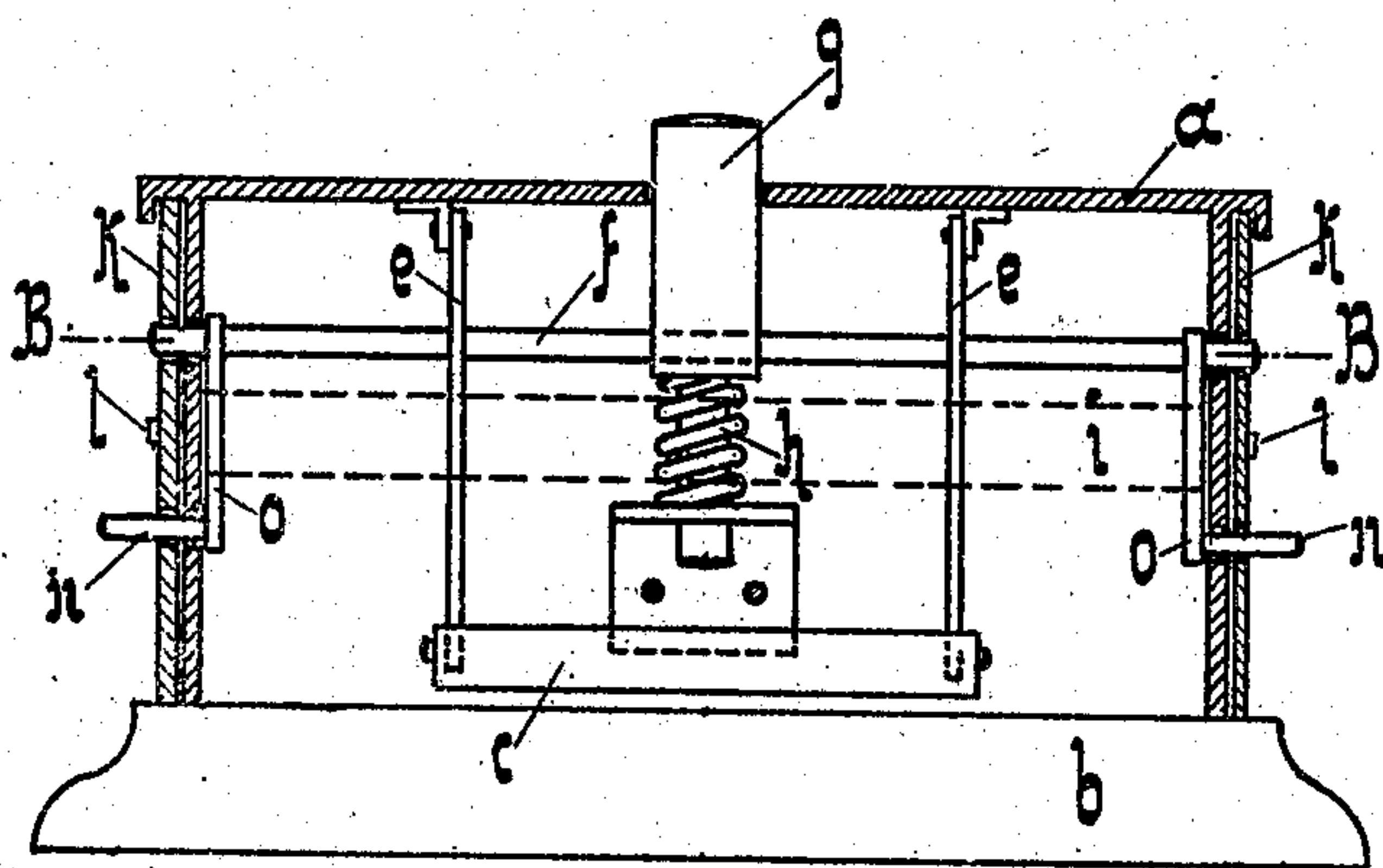


Fig. 1

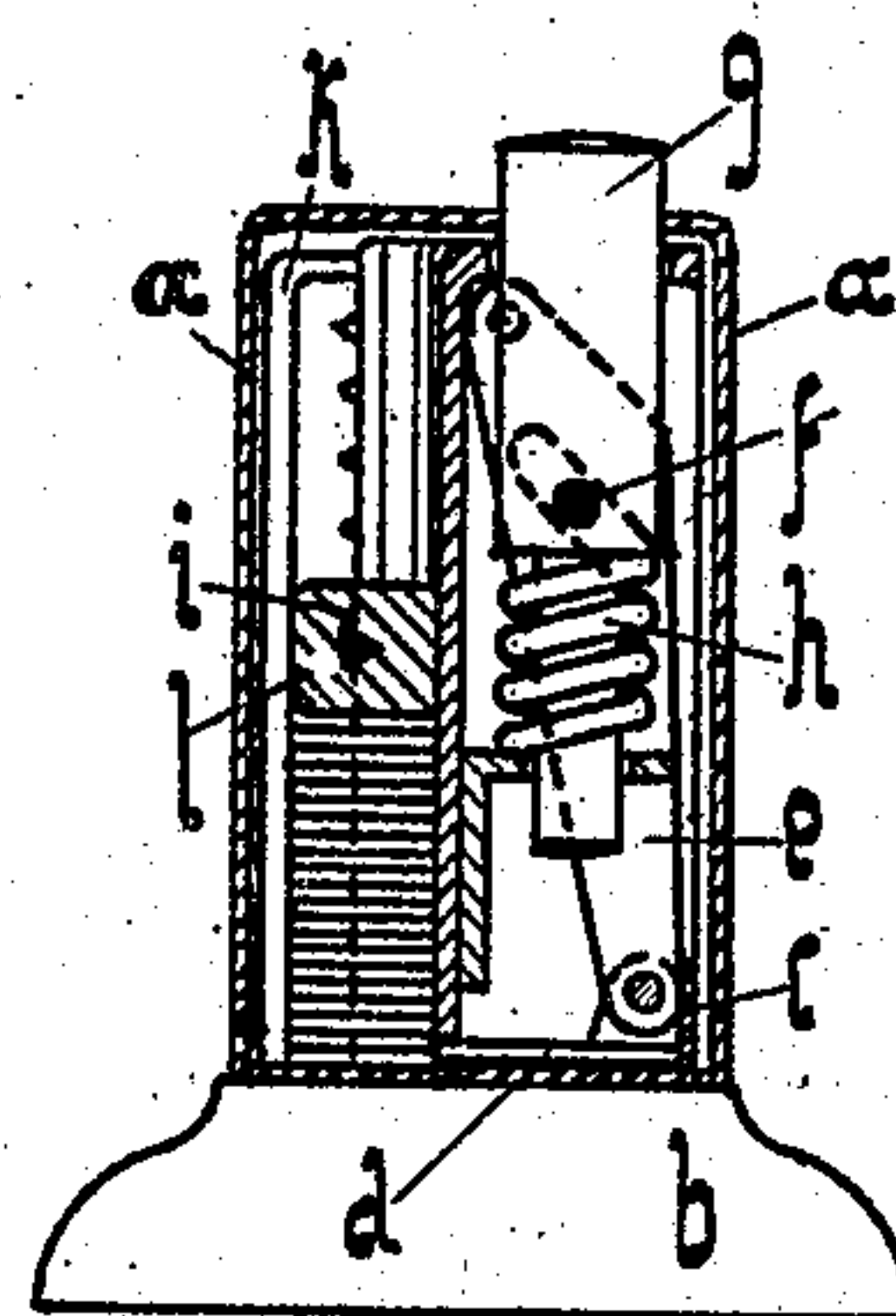


Fig. 3

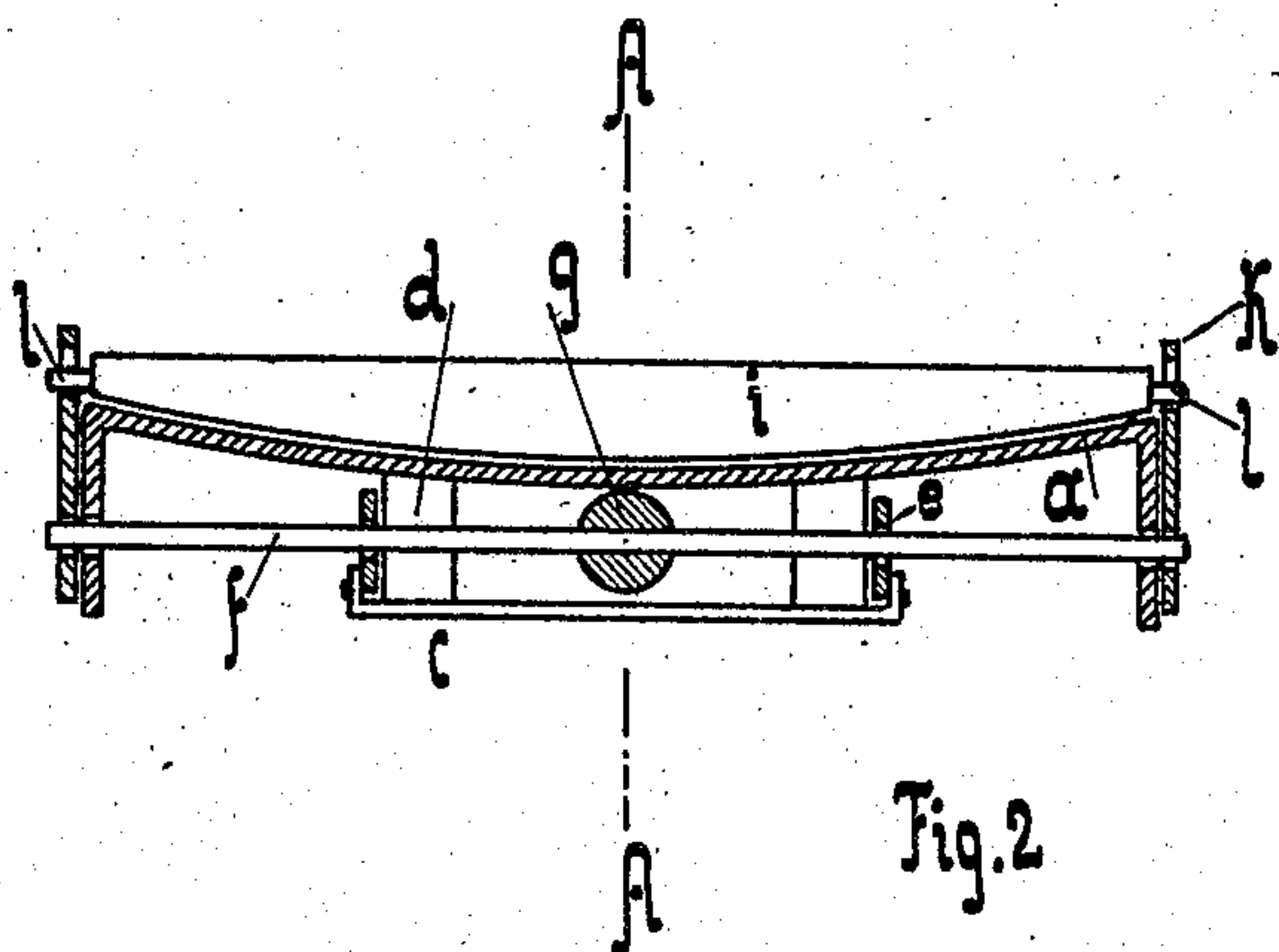


Fig. 2

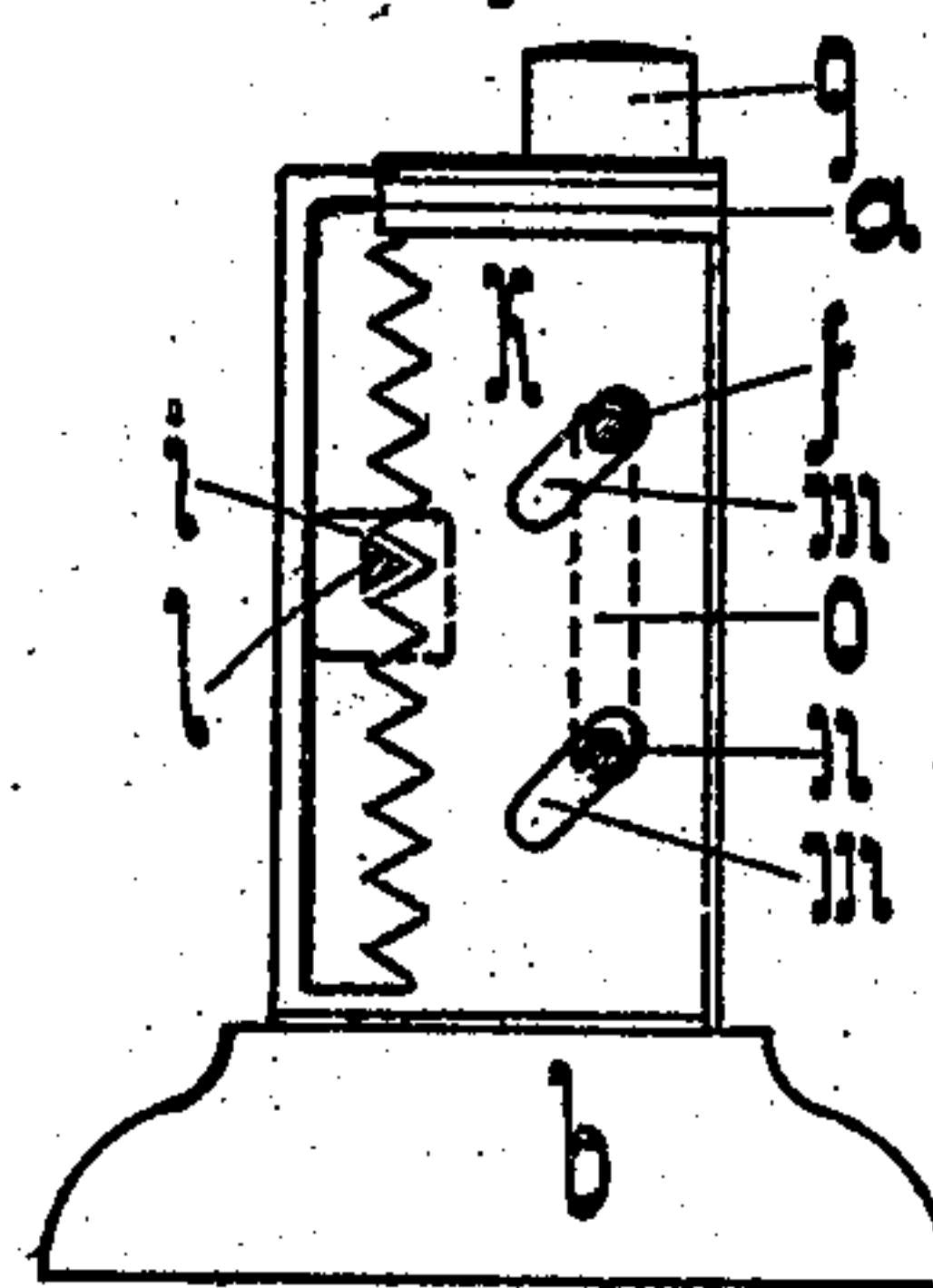


Fig. 4

Witnesses.

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WILHELM SANDLEBEN, OF HAMBURG, GERMANY.

TOOTHPICK-HOLDER.

No. 847,828.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, WILHELM SANDLEBEN, a subject of the Emperor of Germany, and a resident of Glockengiesserwall 25/26, Hamburg, Germany, have invented a new and useful Improved Toothpick-Holder, of which the following is a specification.

This invention relates to toothpick-holders.

Toothpick-holders are known containing toothpicks arranged longitudinally one upon another, in which the lowest at any time is pushed out of the holder by an ejector; but in the forms hitherto made this ejector engaged the point of the toothpick, bringing about bending, splitting, as well as squeezing the same. Further, previously-known forms have the disadvantage that the toothpicks when moving downward in the holder lie askew and get thrown into confusion, in this way making the apparatus unusable at times. These disadvantages are removed by the present invention.

One embodiment of a toothpick-holder according to the present invention is illustrated in the accompanying drawings, in which—

Figure 1 is a longitudinal sectional elevation. Fig. 2 is a sectional plan on the line B B shown in Fig. 1. Fig. 3 is a transverse section on the line A A in Fig. 2, and Fig. 4 is an end elevation.

All the figures show the holder without the outer case, which is not essential to the invention.

The holder has a frame *a*, which is fastened on the base *b*, and the toothpicks, placed upon one another, as shown on the left side of Fig. 3, are in front of the said frame, the ejecting mechanism being behind the same. The ejecting mechanism consists of an ejector *c*, which has two slides *d* or the like and can pass through corresponding incisions in the frame and can push the lowermost toothpick out of the holder. The ejector *c* is pivotally connected with two levers *e*, said levers on their part being pivoted to the frame *a* and provided with oblique slots in which a pin *f* can move. This pin *f* is fastened in a rod *g*, projecting from the frame, serving as a press-button, and is always pressed upward by a spring *h*. When this rod *g* is pressed down, the pin *f*, sliding downward in the slots in the levers *e*, causes these levers to swing forward, and thereby also the ejector *c*, the slides *d* forming part of the ejector thereby engaging

the lowermost toothpick laterally and throwing it out of the holder.

The compartment for containing the toothpicks at the front of the frame is contained by walls having a rectangular cross-section, said walls being in part part of those forming the casing. (Not shown.) Above the toothpicks is a weight *i*, which always presses them downward by its weight, and, further, has the purpose of preventing their getting out of regular order and disarranged if the apparatus is tilted or overturned. For this latter purpose two racks *k* are arranged at the ends of the frame *a*, in which studs on the weight *i* engage. These racks *k* hold the weight *i* so that even in an inverted position of the holder said weight cannot fall away from the toothpicks, and they thus make it impossible for them to get disarranged; but in order to allow the weight to sink correspondingly to the delivery of the toothpicks each time the rod *g* is pressed down the weight *i* is brought out of engagement with the racks *k*. For this purpose the said racks are provided with oblique slots *m*, in one of which the pin *f* and in the other a pin *n* engage, said pin *n* being joined with said pin *f* by means of a cross-piece *o*. The consequence of pressing down the rod *g* is that both these pins *f* *n* push the racks *k* so far to the rear (right) so that the studs *l* are disengaged from the teeth of the rack, whereupon the weight can sink.

I claim—

1. In a device of the class described, the combination with a magazine and ejector mechanism, of a follower in the magazine, locking mechanism to lock the follower, and means to simultaneously operate the ejector and locking mechanism to eject a toothpick and release the follower, substantially as set forth.

2. In a device of the class described, the combination with a magazine and ejector mechanism, of a follower in the magazine, locking mechanism to lock the follower, a spring-held knob to simultaneously operate the ejector mechanism and withdraw the locking mechanism from the follower, said follower and locking mechanism returned to normal position when the knob is released.

3. The combination with a magazine and a follower therein having studs projecting from its ends; of ejector mechanism and

racks movable into and out of engagement with the studs, and means to simultaneously operate the ejector mechanism and withdraw the racks from engagement with the studs, substantially as set forth.

4. The combination with a magazine and a follower therein, of pushers pivotally mounted, slotted levers on which the pushers are mounted, a knob, a rod secured thereto engaging the slots in the levers, movable racks to engage the follower having slots therein engaged by the ends of the rod.

5. A toothpick-holder comprising the combination of a magazine for holding toothpicks lying horizontally lengthwise upon one another and having a front wall not extending entirely to the bottom of the magazine and a back wall having openings there-through, a weight resting on the toothpicks in the magazine, said weight having stud-like projections, two racks in said magazine with which said projections normally engage, means for disengaging the racks from said projections at the time of removal of a toothpick from the holder, said means being adapted to be operated by hand, a pusher adapted to slide through the opening in the back wall at the bottom of said compartment and to enter the magazine and engage the side of the lowermost toothpick, mechanism for operating said pusher, a knob for driving said mechanism by hand whereby when said knob is pushed the lowermost toothpick is pushed sidewise by the pusher out under the front wall of the front compartment.

6. A toothpick-holder consisting in the combination of a magazine for holding the toothpicks lying horizontally lengthwise upon one another and having a front wall not extending entirely to the bottom of the compartment and a back wall having openings at the bottom, a weight resting on the uppermost toothpicks, said weight having stud-like projections, two racks in said front compartment with which said projections normally engage, means for disengaging the racks from said projections at about the time of the removal of a toothpick from the holder, a pusher adapted to slide and to enter the magazine through the openings in the said back wall and engage the side of the lowermost toothpick, mechanism for operating said pusher, a knob for driving said mechanism by hand whereby when said knob is pushed the lowermost toothpick is pushed sidewise by the pusher out under the front wall of the front compartment, and a connection between the mechanism for operating the pusher and the means for disengaging the racks from the projections on the weight, whereby when a toothpick is ejected the weight is disengaged from the racks and feeds the toothpicks downward.

In testimony whereof I have signed my name to this specification in the presence of the two subscribing witnesses.

WILHELM SANDLEBEN.

Witnesses:

OTTO W. HELLMRICH,
IDA CHRIST. HAFFERMANN.