

(No Model.)

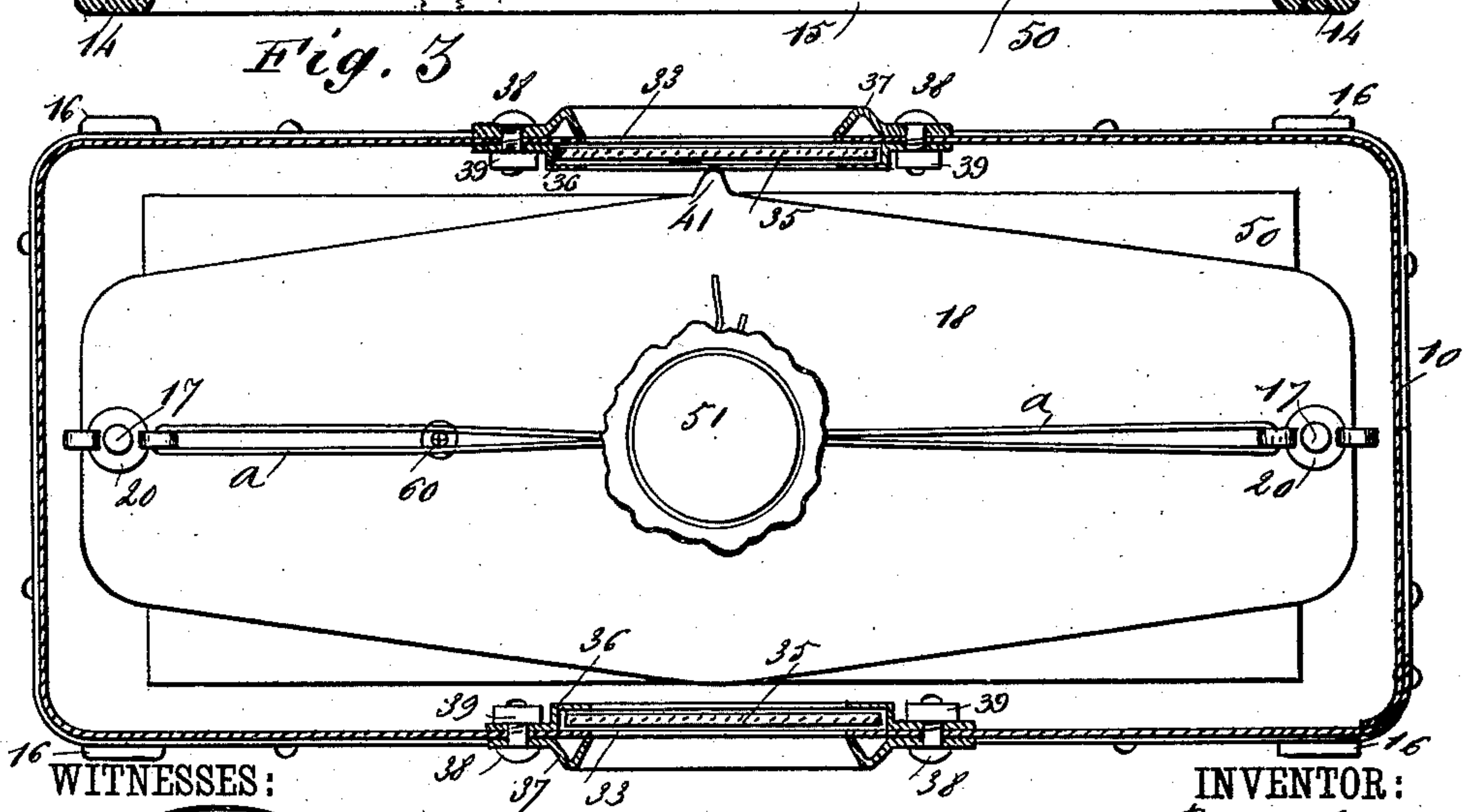
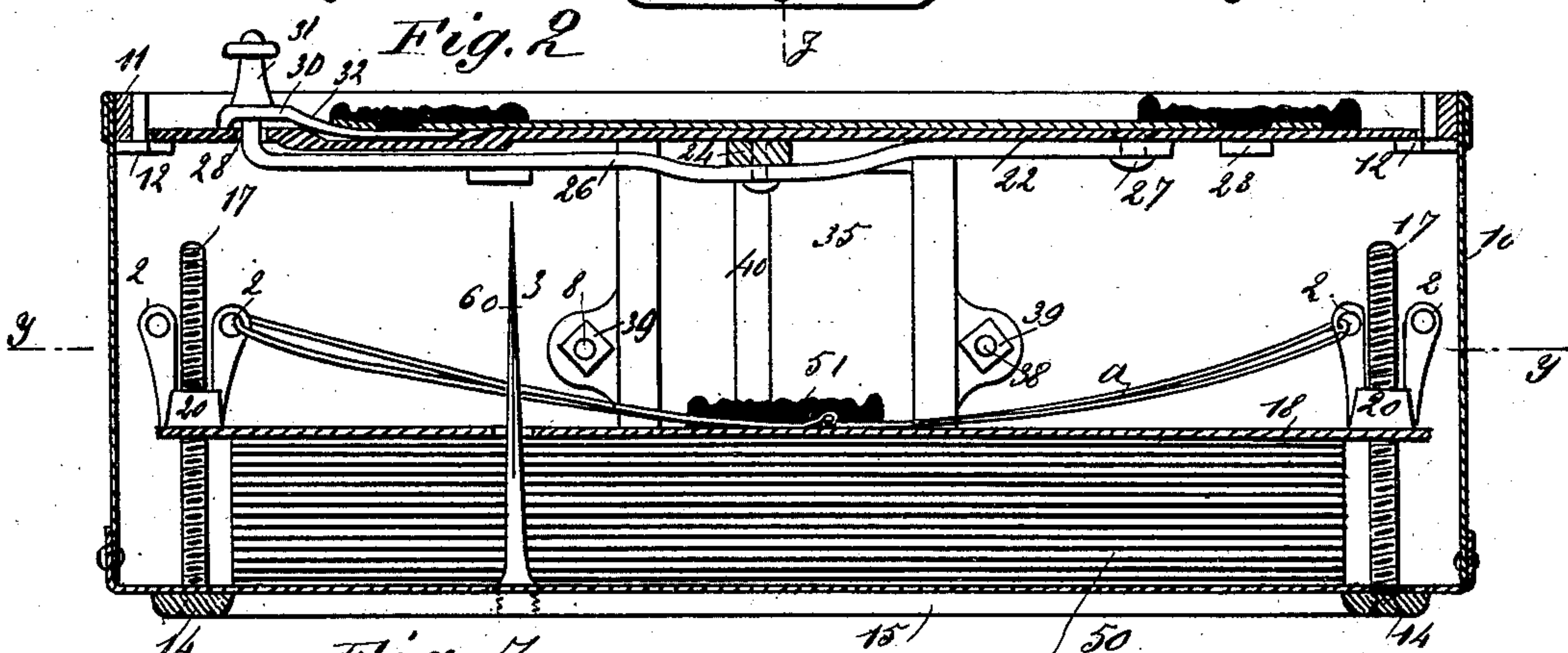
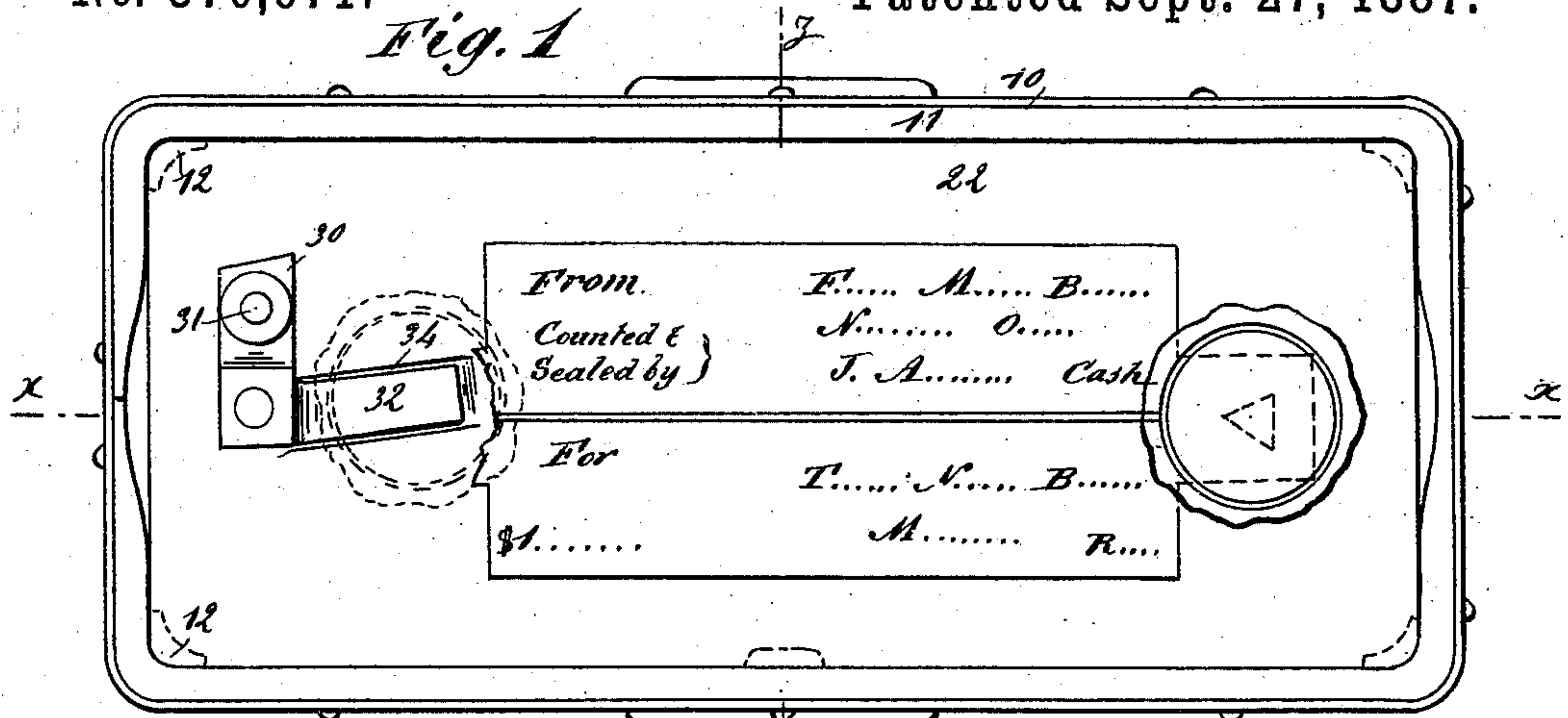
2 Sheets—Sheet 1.

C. R. ARNOLD.

BANKER'S SAFETY EXPRESS BOX.

No. 370,671.

Patented Sept. 27, 1887.



WITNESSES:

C. Neveu
C. Sedgwick

INVENTOR:

C. R. Arnold

BY

Munn & Co.

ATTORNEYS.

(No Model.)

2 Sheets—Sheet 2.

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Fig. 4

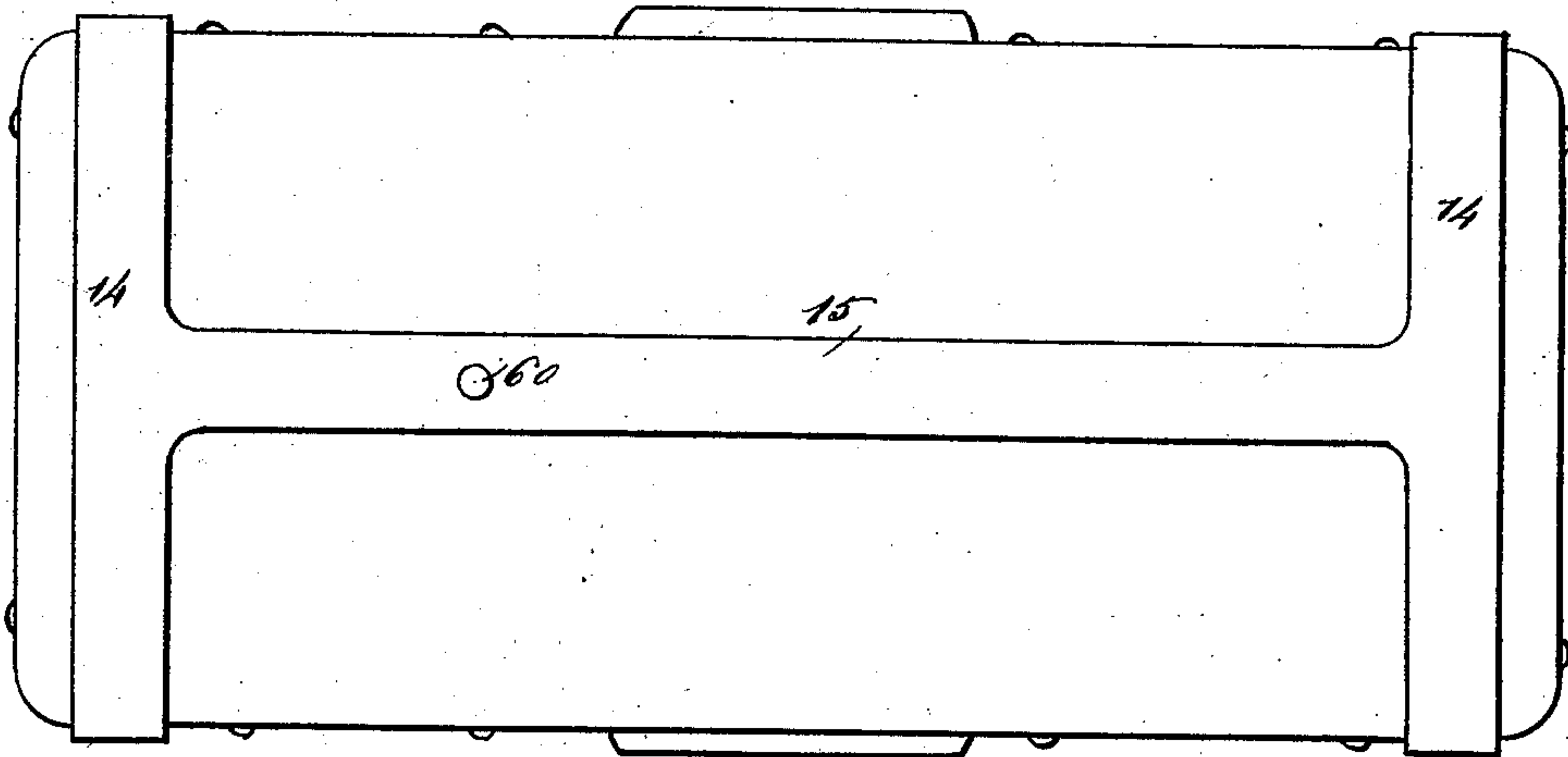


Fig. 5

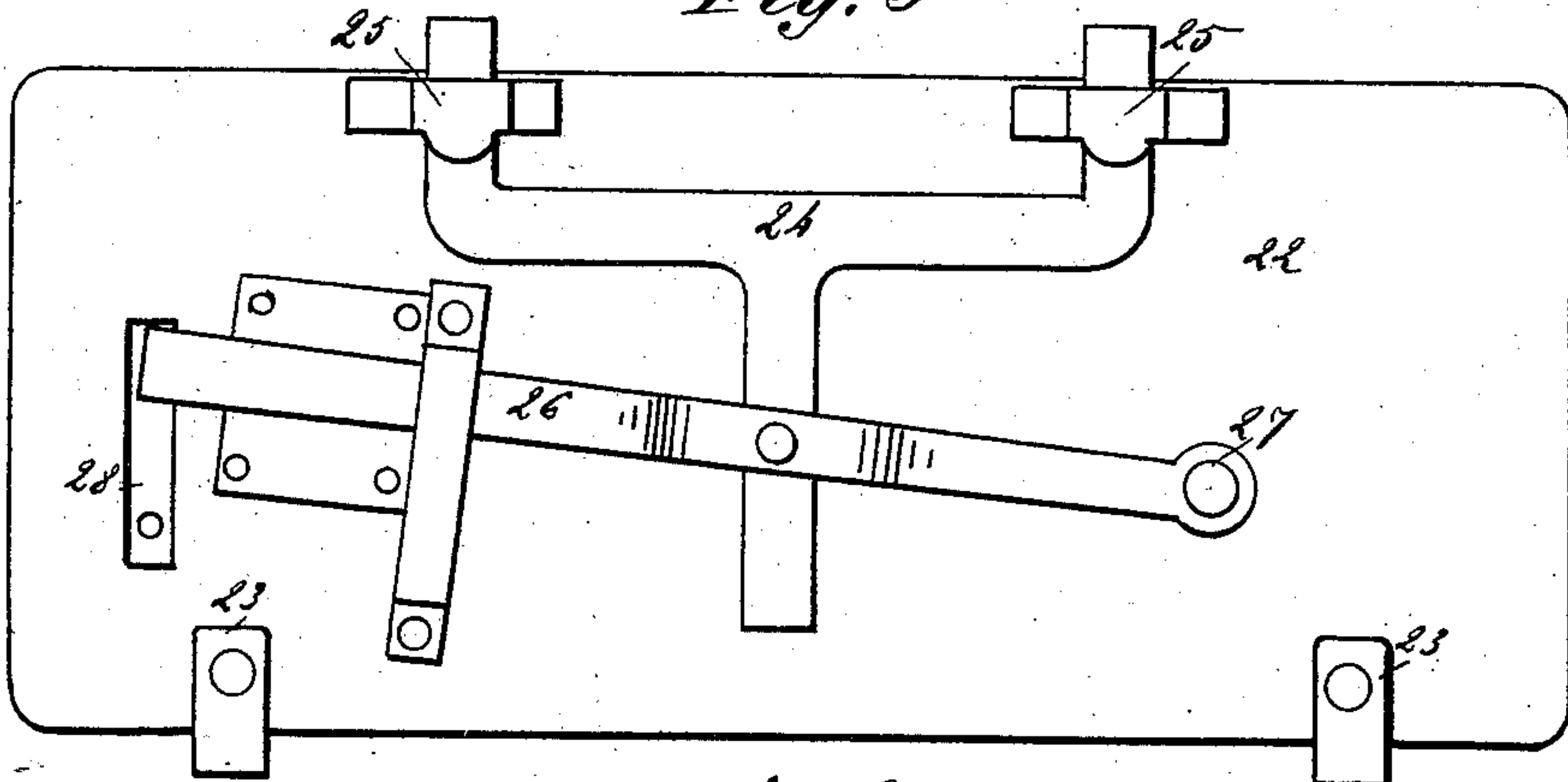


Fig. 6

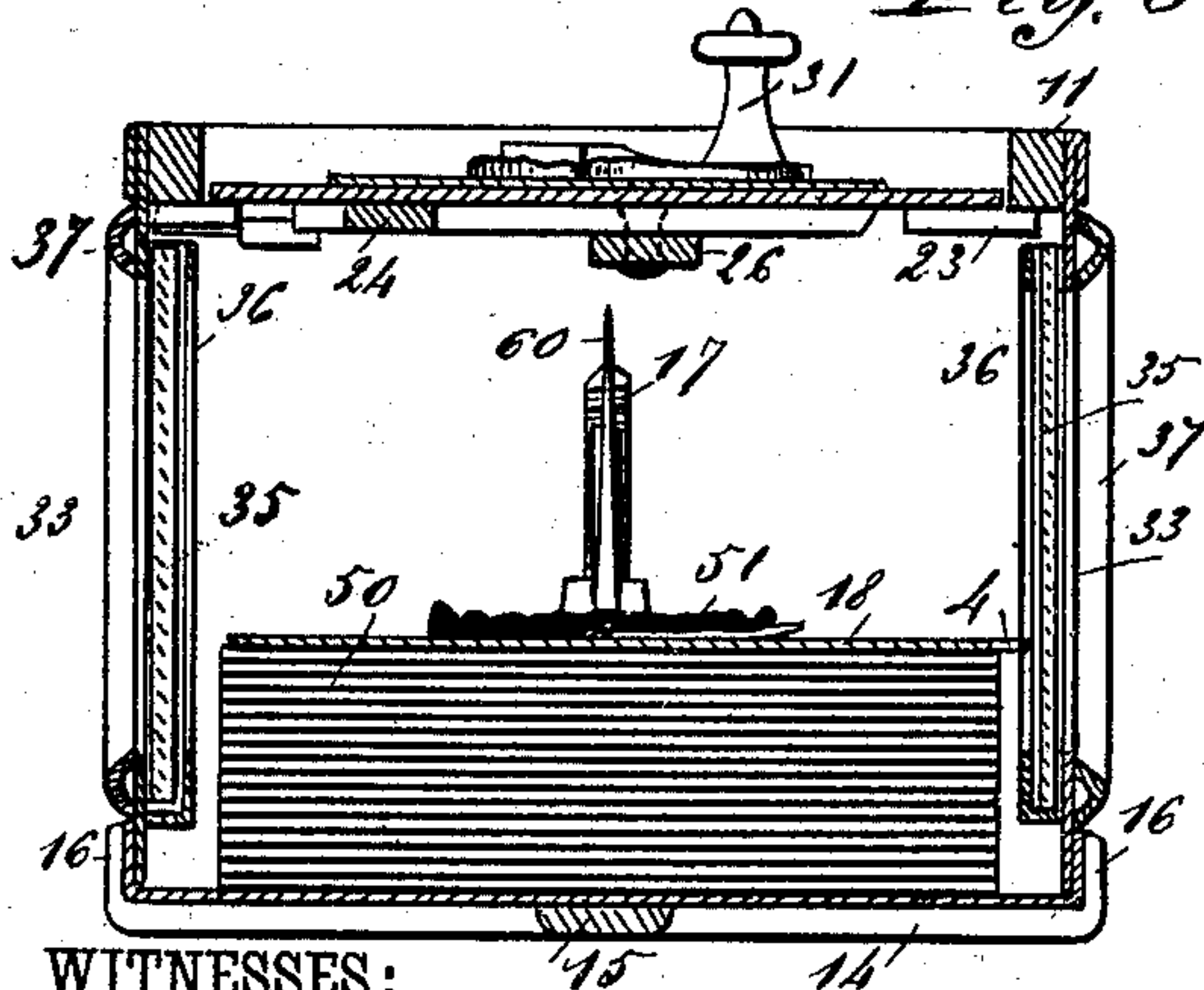
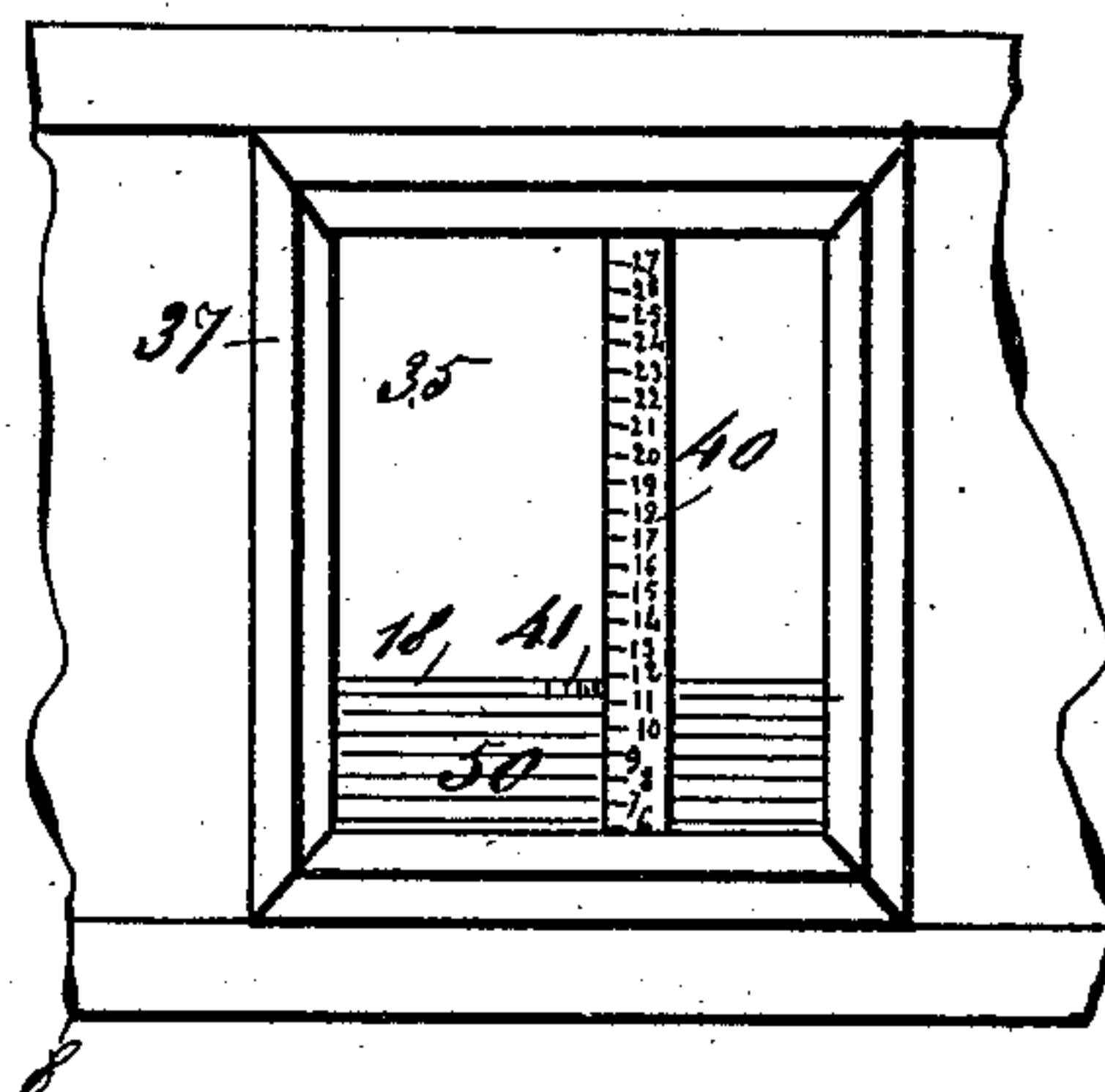
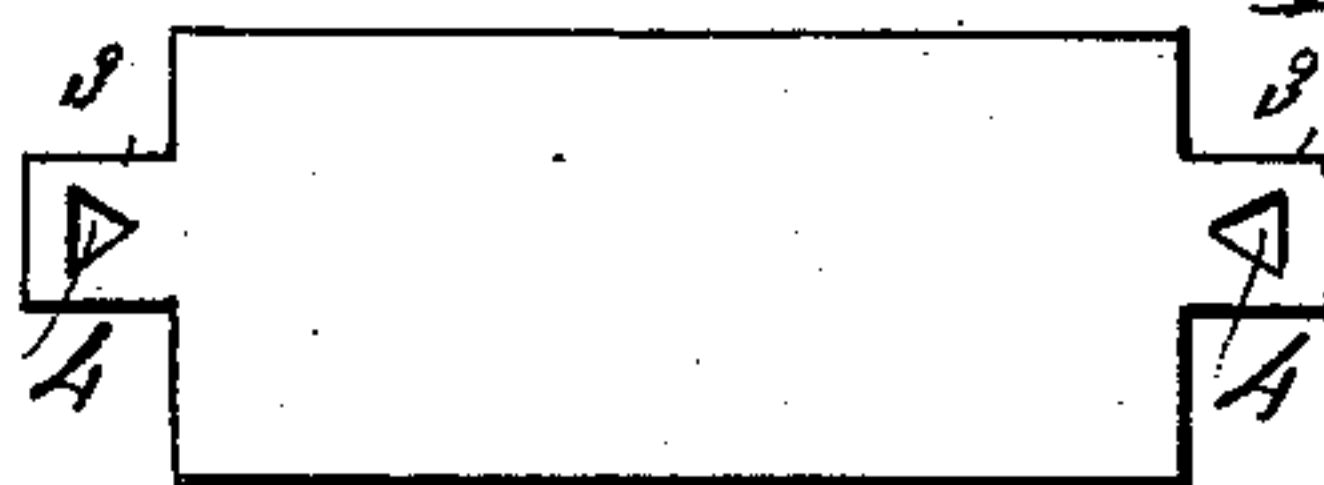


Fig. 7



WITNESSES:

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UNITED STATES PATENT OFFICE.

CLARENCE R. ARNOLD, OF WELLSVILLE, OHIO.

BANKER'S SAFETY EXPRESS-BOX.

SPECIFICATION forming part of Letters Patent No. 370,671, dated September 27, 1887.

Application filed December 20, 1886. Serial No. 222,083. (No model.)

To all whom it may concern:

Be it known that I, CLARENCE R. ARNOLD, of Wellsville, in the county of Columbiana and State of Ohio, have invented a new and Improved Banker's Safety Express-Box, of which the following is a full, clear, and exact description.

This invention relates to that class of devices employed as receptacles for money in the form of bills when such money is to be shipped from place to place in care of express-companies, the object of the invention being to provide a box or package in which the money can be placed and wherein it may be clamped so as to be held against any attempt to remove it from its place without breaking the seals employed in the closing of the box and in connection with the clamping attachments, and at the same time to so construct the box that its contents may be seen at any time while in transit.

To the ends named the invention consists of the construction and arrangement of parts, as will be hereinafter fully described and claimed.

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

Figure 1 is a plan view of my improved form of banker's safety express-box, one of the seals being broken away to disclose the spring catch-arm that is employed in connection with the cover-fastening attachment. Fig. 2 is a central longitudinal sectional view of the safety-box, the view being taken on line *x x* of Fig. 1. Fig. 3 is a sectional plan view taken on line *y y* of Fig. 2. Fig. 4 is an inverted plan view of the box. Fig. 5 is a view of the under side of the box-cover, representing the same as it appears when removed from the box. Fig. 6 is a cross-sectional view taken on line *z z* of Fig. 1. Fig. 7 is a detail view of a portion of one of the sides of the box, the view being given to show the arrangement of the scale that is arranged in connection with one of the glass panels; and Fig. 8 is a detail view, upon a reduced scale, of one of the address-tags.

In constructing such a box as the one forming the subject-matter of this application, I form the bottom, side, and end walls of sheet-metal plates that are bent to proper form and riveted to place, as clearly shown in the drawings, the upper edges of these plates, which are

shown at 10, being riveted to an inner strengthening-frame, 11, in each corner of which there is a supporting-plate, 12. To the bottom of the box so formed I attach a metallic frame made up of end cross-pieces, 14, and a central connecting-piece, 15, the ends of the cross-pieces 14 being bent up, as shown at 16, and riveted to the side walls of the box. To the center of each of the cross-pieces 14, I secure posts 17, which extend upward within the box, these posts 17 being threaded, as best shown in Fig. 2. In connection with the posts 17, I arrange a clamping-plate, 18, the ends of which are apertured to provide for the passage of the posts 17. These posts 17 are engaged by winged nuts 20, that are formed with eyes 2 in each of their wings.

The cover 22 of the box, which is shown in detail in Fig. 5, is provided with two lugs or projections, 23, that are arranged to fit under one of the side lengths of the frame 11 and with the double-armed locking-bolt 24, that is arranged to be thrown outward and beneath the opposite side length of the frame 11, the arms of this bolt 24 being supported by metallic straps 25, that are secured to the under face of the cover.

An operating-lever, 26, is pivotally connected to the under side of the cover at 27, and one end of this lever is bent upward to extend through a slot, 28, the lever being centrally bent downward at the point where it passes the central arm of the bolt 24, to which arm the lever is pivotally connected. To the upwardly-extending end of the lever 26 there is secured a plate, 30, carrying a knob, 31, and a spring tongue or arm, 32, which is arranged to fit within a recess, 34, that is formed in the cover 22.

In each of the side faces of the box I cut openings 33, that are closed by small panels of tough glass, these panels being shown at 35, and, although any form of panel-supporting attachment could be employed, I prefer to provide such a supporting attachment as is illustrated in the drawings—that is, an inner flanged frame, 36, and an outer frame, 37, the two frames being connected to each other and at the side walls of the box by bolts or rivets 38, that pass through properly-arranged apertures to engage with nuts 39, the inner ends of the bolts being slightly riveted, so as to prevent their removal except by filing. Upon one of the panels 35, I affix a scale, 40, which

is arranged to register with a pointer, 41, formed upon the clamping-plate 18.

When it is desired to pack bills in such a box as has been described, the cover 22 and the plate 18 are removed, and the bills to be shipped are placed upon the bottom of the box, as indicated at 50 in Fig. 2. The clamping-plate 18 is then placed in position above the bills, the winged nuts 20 are applied, and they are turned down hard upon the clamping-plate, so that all of the bills contained within the pile 50 will be firmly clamped together. After the bills have been so clamped together a cord or ribbon, *a*, is passed through one of the eyes 2 of each of the winged nuts 20 and the ends of the said cord or ribbon are tied together, the knot being adjusted so that it will occupy a position above the approximate center of the plate 18.

A seal, 51, is then applied, the wax being smeared over the cord or ribbon *a*, a proper impression being made upon such wax. After the seal 51 has been made the cover 22 is placed in position and the knob 31 grasped, in order that the lever may be thrown to a position so that the spring tongue or arm 32 will enter the recess 34. After the tongue or arm 32 has so entered the recess, as indicated in Fig. 1, the address-tag is placed upon the cover in a position so that one of its end projections, 3, will be directly over the spring-tongue 32. A seal is then applied to each end projection of the address-tag, and impressions corresponding to those made upon the seal 51 are made upon the wax from which the seal is to be formed, and as each of the end projections, 3, of the address-tag is formed with an opening or aperture, 4, the wax will pass through said opening, as best shown in Fig. 2, and prevent any possible withdrawal of the address-tag, so that a tag having been once applied and addressed in the hand-writing of the sender cannot be removed without being torn. After a package has been sealed, as above described, the position of the pointer 41 is noted, and this acts as an extra safeguard in the handling of the package.

Although not absolutely necessary, it might be deemed advisable to impale each of the bills upon a needle, as 60, which needle is formed with a threaded base that engages with a threaded aperture formed in the longitudinal strip 15 of the lower outer frame of the box; but, as it would be impossible to pass this needle through any great thickness of paper, it will be necessary to place the money in position by impaling but a few bills at a time.

From the construction described it will be seen that either of the panels 35 may be broken without affecting the safety of the money, for although the edges of the bills would be exposed to the touch in case the panel was broken, still, owing to the fact that the bills are tightly clamped together, it would be impossible to withdraw any one or more of the bills, and if the box proper should be broken into by removing the cover it still would be

impossible to get at the bills without breaking the seal 51.

As the bills above described are in plain view of the handlers of the box, it would be impossible for the bills to be removed and ordinary paper substituted therefor. In fact, an express box or package constructed as above described possesses many and extraordinary advantages over any of the boxes or packages heretofore employed in the transmission of money.

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

1. In an express-box, the combination, with the box open at its top and the two vertical screws at opposite ends of the bottom thereof, of the removable plate apertured at its ends to allow the screws to pass therethrough, the nuts on the screws bearing on top of the plate, a cover for the open top of the box, and suitable locking devices therefor, substantially as set forth.

2. In an express-box, the combination, with the box having a glass panel provided with a scale, of the clamp within the box having a pointer adjacent to the said scale, substantially as set forth.

3. An express box or package formed with upwardly-extending threaded posts, in combination with a clamping-plate and winged clamping-nuts, said nuts being formed with eyes in their wings, substantially as described.

4. The combination, with a box, of an upwardly-extending needle, upwardly-extending threaded posts, a clamping-plate apertured to permit of the passage of the said needle and threaded posts, and winged nuts arranged to engage with the posts and formed with eyes in their wings, substantially as described.

5. The combination, with a box formed with side sight-panels, of upwardly-extending threaded posts, a clamping-plate apertured to receive said posts, winged nuts arranged to engage said posts, and a scale affixed to one of the side sight-panels, substantially as described.

6. The combination, with a box, of a cover formed with lugs, a locking-bar connected to the cover, a lever connected to the cover and to the locking-bar, and a spring tongue or arm connected to the lever above the cover and arranged to enter a recess formed in the cover, substantially as described.

7. In an express-box, the combination, with the box and its cover having a slot, 28, and a recess, 34, on its upper face, of a lever movably connected with the under face of the cover, and having a handle secured thereto at the said slot, and a spring-plate adapted to spring into the said recess 34, and a locking-bolt on the under face of the cover operated by the said lever, substantially as set forth.

CLARENCE R. ARNOLD.

Witnesses:

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CLARENCE B. BAGULEY.