

No. 827,412.

PATENTED JULY 31, 1906.

R. A. BOSTELMAN.
MACHINE COVER.

APPLICATION FILED NOV. 7, 1904.

2 SHEETS—SHEET 1.

Fig. 1.

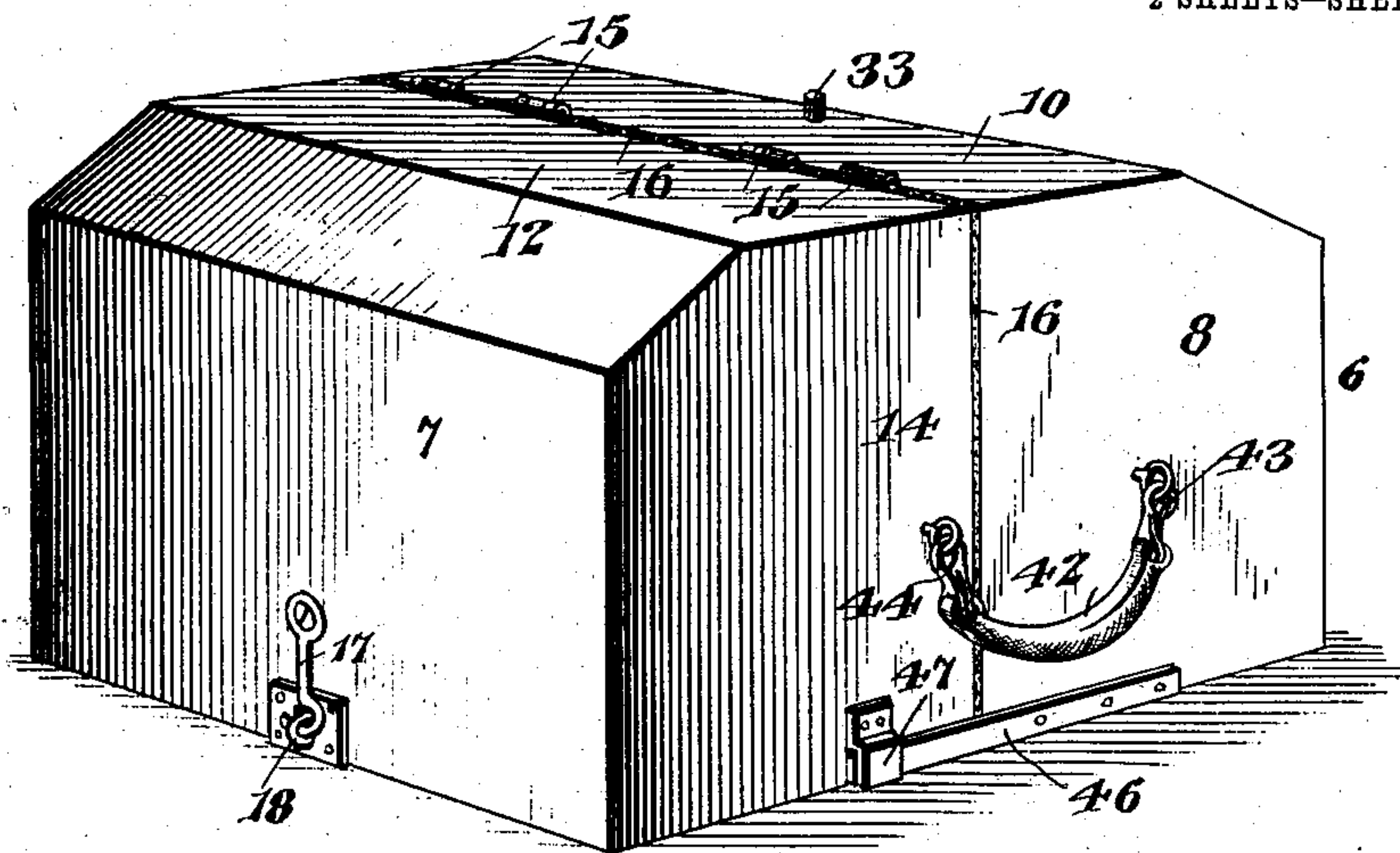
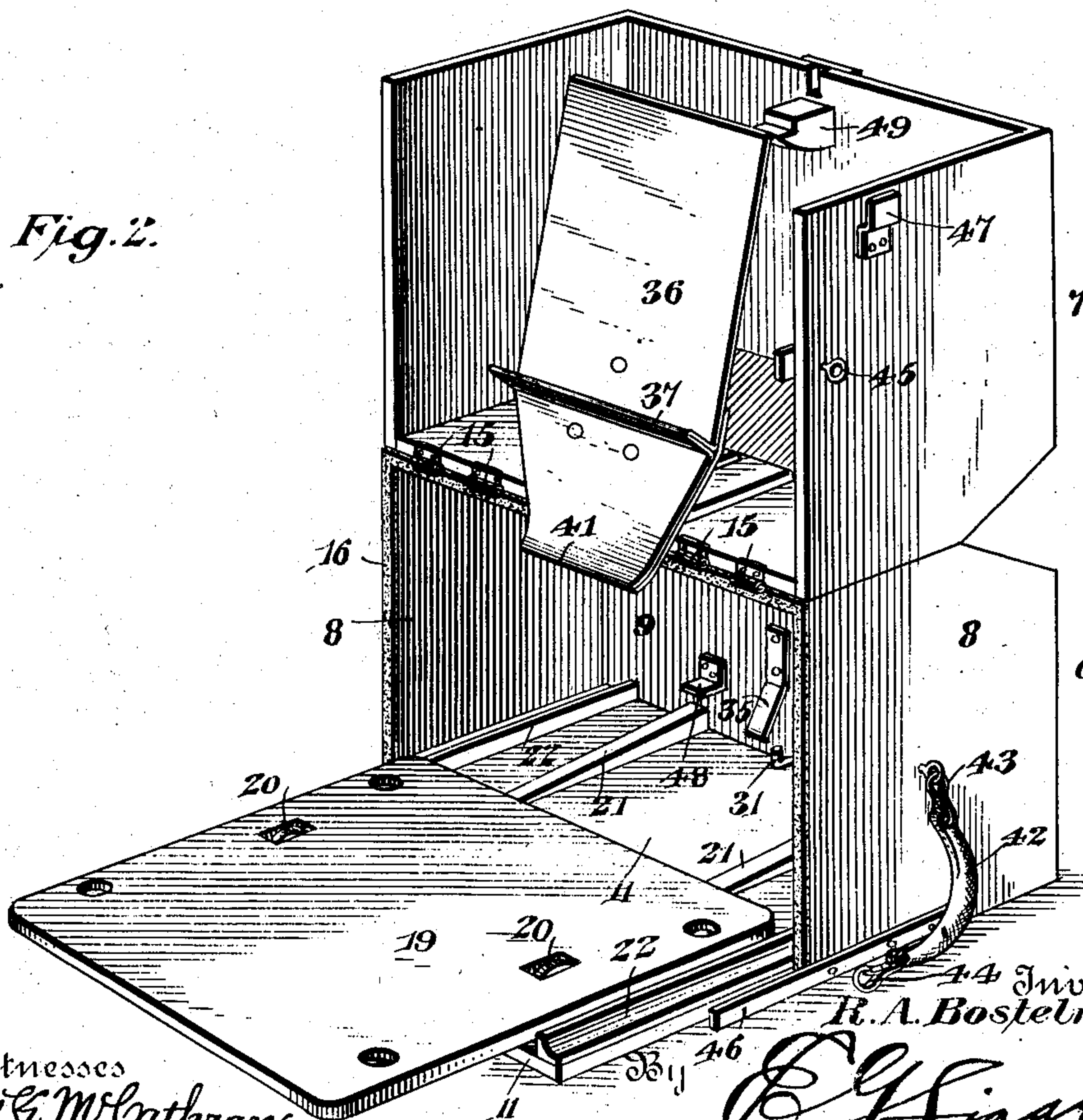


Fig. 2.



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2 SHEETS—SHEET 2.

Fig. 3.

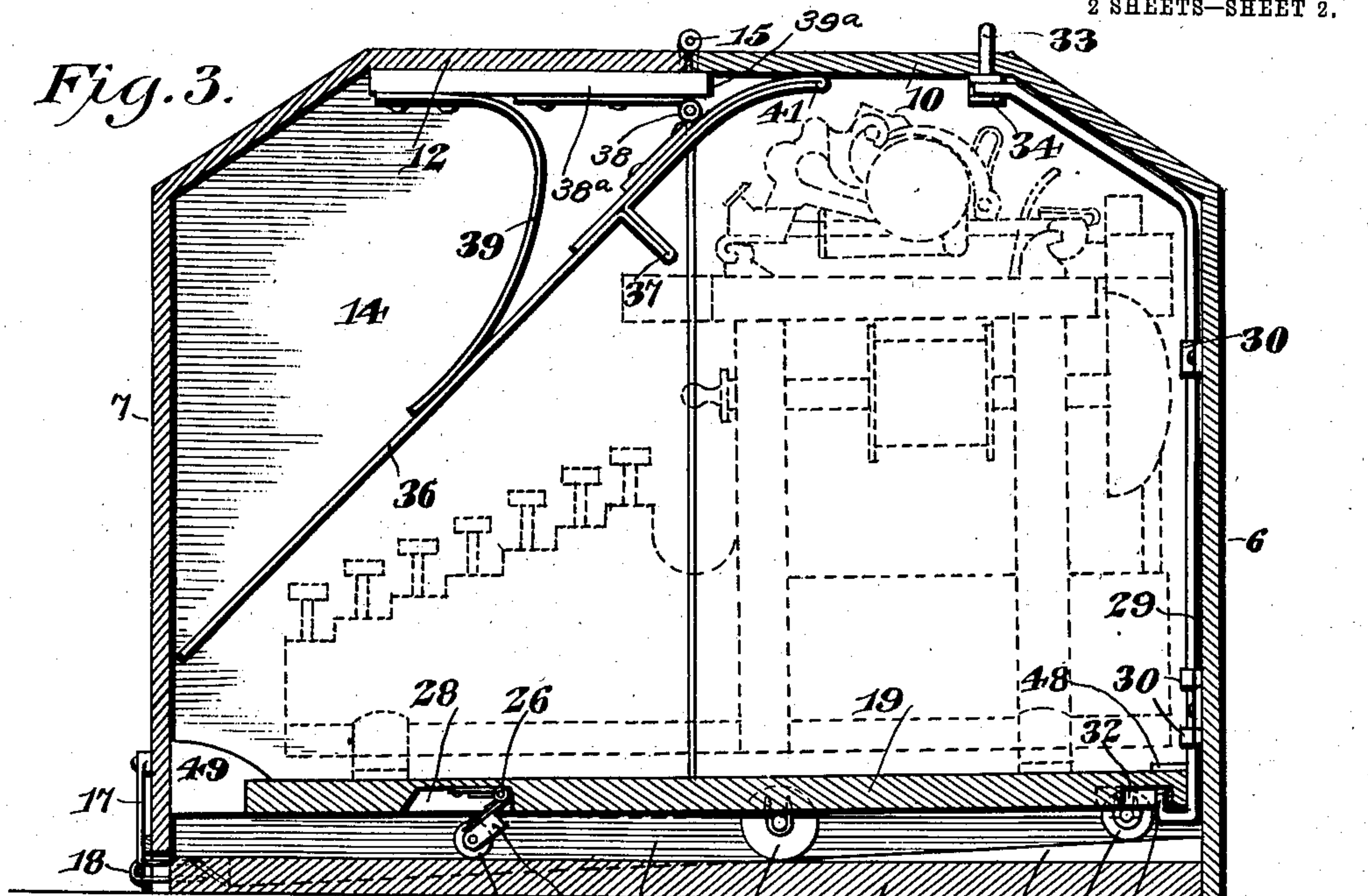


Fig. 5.

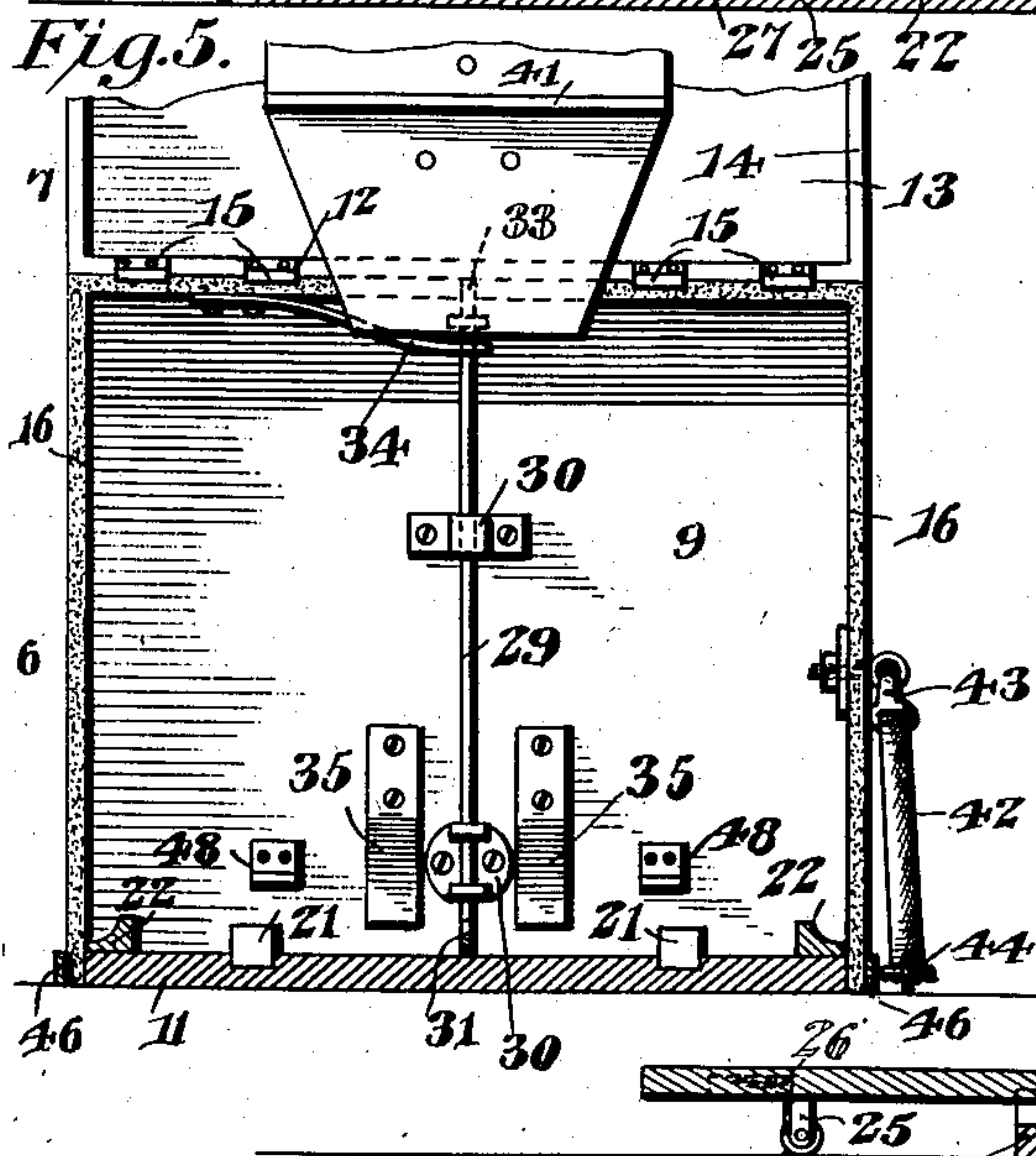
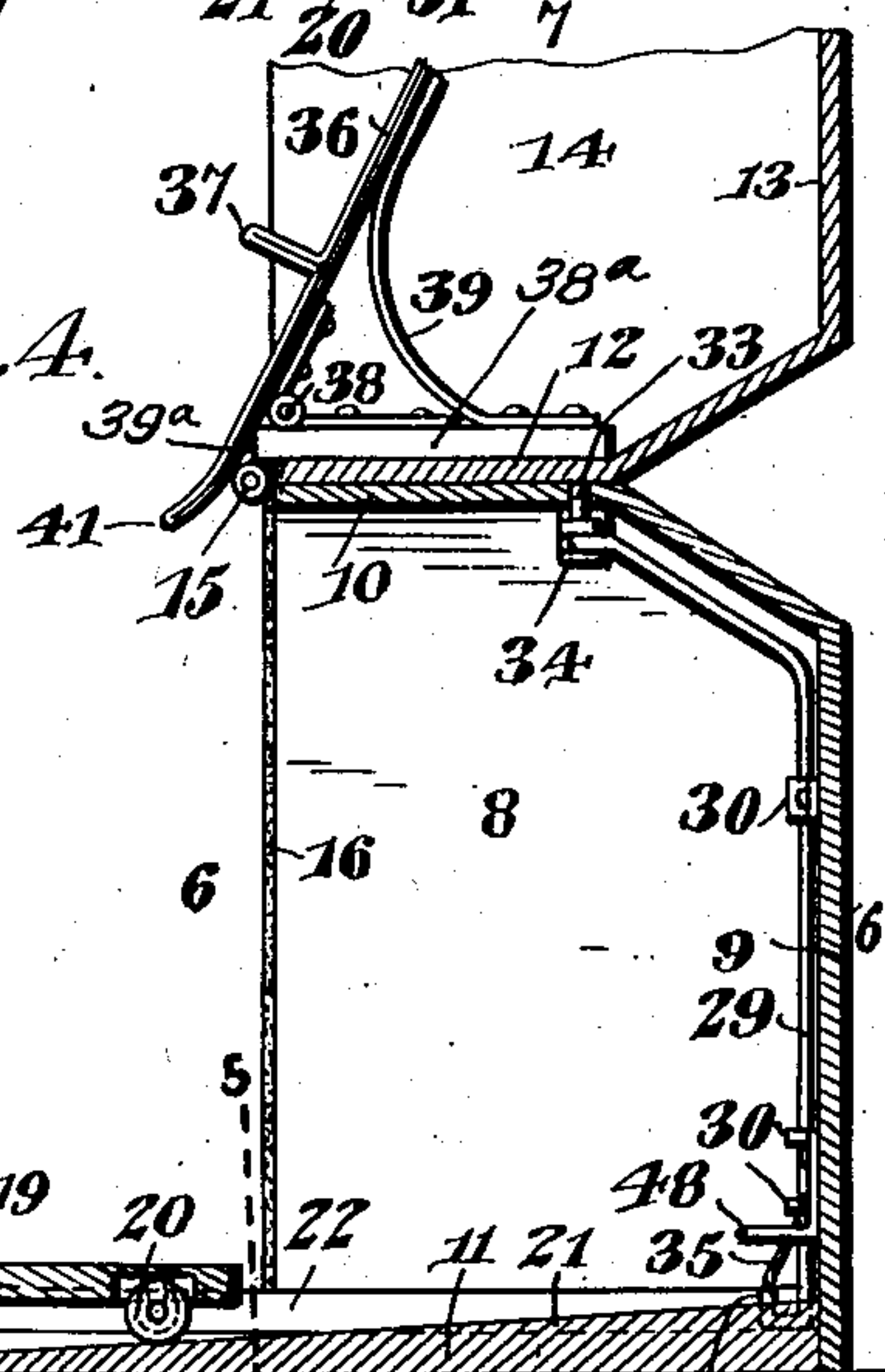


Fig. 4.



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UNITED STATES PATENT OFFICE.

RUDOLPH A. BOSTELMAN, OF NASHVILLE, TENNESSEE.

MACHINE-COVER.

No. 827,412.

Specification of Letters Patent.

Patented July 31, 1906.

Application filed November 7, 1904. Serial No. 231,812.

To all whom it may concern:

Be it known that I, RUDOLPH A. BOSTELMAN, a citizen of the United States, residing at Nashville, in the county of Davidson and State of Tennessee, have invented a new and useful Machine-Cover, of which the following is a specification.

The present invention relates to improvements in protective covers for type-writing and other machines of an analogous nature—as, for instance, adding or computing machines.

One of the objects is to provide a novel cover which will completely inclose and protect the machine from dirt, dust, and injury and to employ in connection therewith a machine-support that is movable into and out of the cover, is automatically ejected to present the machine in a convenient operative position when the cover is opened, and is completely housed within said machine when the cover is closed.

A further object is to provide in connection with the cover a copy-holder that is supported in convenient relation to the operator when in use and is foldable compactly into the cover and out of the way of the machine. The result is a complete structure that is capable of being used as a carrier, so that it may be transported from place to place and when opened has everything convenient for the operator.

An embodiment of the invention and one that is at present considered preferable is illustrated in the accompanying drawings and described in the following specification.

In the drawings, Figure 1 is a perspective view of the cover closed. Fig. 2 is a similar view of the cover opened. Fig. 3 is a vertical sectional view of the structure as shown in Fig. 1 and indicating in dotted lines a type-writing machine. Fig. 4 is a sectional view through the structure as illustrated in Fig. 2, the upper portion being broken away. Fig. 5 is a cross-sectional view taken on the line 5 5 of Fig. 4.

Similar reference-numerals designate corresponding parts in all the figures of the drawings.

In the embodiment illustrated a container is employed comprising a hooded casing 6 and a hooded closure 7. The casing 6 has an open front and is provided with end walls 8, a rear wall 9, a top 10, and a bottom 11, said bottom projecting a considerable distance

beyond the front of the casing. The hooded closure 7 is provided with a top 12, a front wall 13, and end walls 14. The top 12 is hinged at its rear edge, as shown at 15, to the front edge of the top 10 of the casing. Said closure is adapted to cover the open front of the casing and surround the projecting portion of the bottom 11, and when thrown to open position it is supported upon the casing with its top 12 resting on the top 10 thereof.

In order to provide a dustproof joint between the coacting edges of the casing and closure, the front edge of the former has secured thereto in any suitable manner a packing-strip 16 of felt or analogous material. The closure can be secured in its closed position by means of a hook 17, hinged to the front wall and adapted to engage a staple 18, projecting from the front edge of the bottom 11.

Movably mounted on the bottom and constituting a support therefor is a machine carrier or support in the form of a platform 19. Said platform has rollers 20 journaled thereon, which rollers run upon downwardly and forwardly inclined tracks 21, carried by the bottom 11, guides 22 preventing the lateral movement of the platform. The tracks 21 have their rear portions elevated above the upper surface of the bottom, while their front portions are depressed below the same and terminate in upwardly-extending shoulders 23, constituting stops that limit the outward movement of the platform by being located in the path of movement of certain of the wheels 20, said shoulders being preferably provided with buffer-cushions 24.

It will be observed that the rear rollers of the platform are of less diameter than those located at substantially the center, and therefore said platform will be supported in substantially horizontal relation.

For the purpose of supporting the outer end of the platform, particularly when the same is projected beyond the bottom 11, as shown in Fig. 4, said platform is provided with a foldable support in the form of a standard 25, pivoted, as shown at 26, by means of a spring-hinge to the under side of the platform and having at its free end a roller 27. This standard and roller are arranged to swing upwardly and into a socket 28, formed in the under side of the platform, so that when said platform is moved inwardly into the casing the standard and

roller will freely pass over the front edge of the bottom 11, and when said platform is moved outwardly the standard will assume an upright position, as shown in Fig. 4, so as to properly support the outer portion of said platform.

For the purpose of securing the platform in its innermost position a locking device is employed and is in the form of a latch having a stem 29, slidably mounted in keepers 30, secured to the inner side of the rear wall 9, said stem having at its lower end an upstanding hook 31, arranged to engage in a socket 32, formed in the rear end of the platform. The upper end 33 of the stem is slidably mounted in the top 10 of the casing and is arranged to project through the same, being yieldingly supported by a spring 34. It will be observed that the said upper end 33 is located in the path of movement of the top 12 of the closure, so that when said closure is swung back to open the container the stem 33 will be depressed, thereby moving the hook out of engagement with the platform and releasing the same, so as to permit it to gravitate down the tracks. In order to effect the initial movement of said platform, a starting-motor is employed in the form of leaf-springs 35, secured at their upper ends to the rear wall 9 and having their lower free ends disposed in the path of movement of the platform and adapted to be moved backwardly when said platform is moved into the casing.

A copy-holder formed of sheet metal and comprising a backing-sheet 36, having a supporting-ledge 37, is hinged, as shown at 38, to a strip 38^a, secured to the inner side of the top 12 of the closure and having one end 39^a projecting beyond said top. The copy-holder normally is located at an inclination within said closure, being yieldingly supported at such inclination by means of a spring 39. The said copy-holder is adapted to be swung back into the closure against the tension of the spring 39.

It will be observed that the copy-holder is provided with a lip 41, extending below the hinge and so arranged that when the closure is swung to closed position this lip will strike the inner side of the top 10 of the casing, and in this manner the copy-holder will be automatically swung to and held in its rearmost position. On the other hand, when the closure is swung to open position the lower portion of the copy-holder will strike the projecting end 39^a of the strip 38^a and be held thereby at an inclination, as shown in Fig. 4.

For the purpose of carrying the container or cover and the contents thereof a handle 42 is employed, having a detachable pivotal connection 43 with one end wall 8 of the casing and having another similar detachable connection, by means of a snap-hook 44 and eye 45, with the corresponding end wall of the closure. It will thus be observed that the

cover or container is to be carried on end, and in order to strengthen the joint between the closure and casing stay-rods 46 are employed, secured to the end walls 8 of the casing and projecting beyond the front edges of the same, the projecting portions being received in keepers 47, located on the end walls of the closure. It is also to be noted that as the cover will be carried with one end uppermost the platform will be disposed vertically, and for securing the same lugs 48 and 49 are employed, that engage over the front and rear margins of said platform, said lugs being carried, respectively, by the front and rear walls of the casing and closure, and thus securely holding the platform against movement as long as the cover is closed.

In use the type-writing machine, as indicated in dotted lines in Fig. 3, is secured by any well-known or desirable means to the platform, and thus when the cover is closed thereover all dirt and dust will be excluded. If it is desired to use the machine, it is only necessary to unfasten the closure and swing the same back upon the casing. This movement will depress the stem 29 of the latch, thereby releasing the platform. The springs 35 will thereupon act to project said platform and the machine carried thereby, the platform gravitating down the tracks to the projected position. (Shown in Figs. 2 and 4.) In this position the machine is entirely outside the casing and in convenient position to be operated upon. The upward movement of the closure swings the copy-holder to exposed position, and the same being thus released is automatically swung by its spring to proper position for use. In this connection it is to be observed that the holder is disposed directly over the machine, so that the notes placed thereon are in a particularly suitable place. In covering the machine it is only necessary to move the platform back, drop the closure, and lock the same. If it is desired to transport the same from place to place, the handle is connected to the closure, and as the platform is securely held there is no danger of derangement of the machine secured thereto.

From the foregoing it is thought that the construction, operation, and many advantages of the herein-described invention will be apparent to those skilled in the art without further description.

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

1. In a device of the class described, the combination with a portable casing having an open front and a bottom that projects beyond the front edges of the casing, of forwardly and downwardly inclined tracks arranged on the bottom and extending onto the projecting portion thereof, a machine-supporting platform running on said tracks

and having its inner portion movable onto the projecting portion of the bottom to carry the body of the machine entirely out of the casing, the outer portion of the platform overlying the said projecting portion of the bottom when in its innermost position, and a closure for the open front of the casing, said closure covering the projecting portion of the bottom and the outer portion of the platform.

2. In a device of the class described, the combination with a casing having a bottom, of a machine-carrier movable upon the bottom and arranged to be projected beyond the same, an outwardly-movable support mounted on the carrier and movable to an operative position to support the same when the carrier is projected, said support engaging and being folded by the bottom on the inward movement of the carrier, and means for moving the support when the carrier is projected.

3. In a device of the class described, the combination with a casing having an open front and including a bottom projecting beyond the front edges of the casing, of a hinged closure for the open front, inclined tracks carried by the bottom, a machine carrier-platform having rollers that operate on the tracks, said platform being movable into and out of the casing and when in its outermost position projecting beyond the free edge of the casing and beyond the bottom, and an outwardly folding support carried by the projecting portion and arranged to engage the bottom and be swung to folded position upon the inward movement of the platform.

4. In a device of the character described, the combination with a container having a movable cover, of a machine-support movably mounted in the container and inclosed thereby, said support and the machine mounted thereon being exposed upon the opening movement of the cover, automatic means independent of the cover for effecting the movement of the support, and locking means operated by the cover for holding the support against movement, said locking means being operated by the cover upon its opening movement to release the machine support and permit its automatic projection.

5. In a device of the class described, the combination with a container having a hinged cover, of a movable machine-support mounted on the container and uncovered when said container-cover is swung to open position, automatic means for effecting the projection of the support, and locking means for holding the support against movement by said means, said locking means having a portion disposed in the path of movement of the cover and operated by the same to release the support when the cover is swung to open position.

6. In a device of the class described, the combination with a container comprising a casing and a hinged cover therefor, of a reciprocatory machine-supporting platform movable into and out of the casing and exposed in said casing when the cover is opened, and a sliding latch mounted in the casing and detachably engaging the platform to hold the same against movement, said latch having a portion located in the path of movement of the cover and being operated when the cover is swung to open position, said cover thereby exposing and releasing the platform.

7. In a device of the class described, the combination with a casing including a rear wall and a bottom, of a closure hinged to the upper portion of the casing and foldable upon the top of the same, a machine-supporting platform slidably mounted in the casing and exposed when the closure is opened, means for projecting the platform from the casing when the closure is opened, and a lock for holding the platform in retracted position, said lock comprising a slidably-mounted latch that detachably engages the platform and a stem that projects above the top of the casing and is arranged to be engaged and moved by the closure when the same is swung to open position, said opening movement of the closure thereby exposing and releasing the platform to permit its automatic projection.

8. In a device of the class described, the combination with a casing having a top, a bottom, and an open front, of a closure hinged to the top of the casing and movable to an open position upon the same, a machine-supporting platform movable on the bottom and exposed when the closure is moved to open position, means for effecting the movement of the platform, a latch engaging the platform for holding it against movement, and actuating means for the latch projecting above the top of the casing and into the path of movement of the closure, said closure exposing the platform and pressing down the actuating means when resting upon the top of the casing, thereby disengaging the latch from the platform.

9. In a device of the class described, the combination with a hooded casing having a rear wall, of a hooded closure hinged to the upper portion of the casing and having a front wall, a platform slidably mounted in the casing and having its front portion projecting therefrom and adapted to be covered by the closure, and keeper-lugs carried respectively by the rear wall of the casing and the front wall of the closure and arranged to engage over the platform.

10. In a device of the class described, the combination with a container comprising a casing and a closure hinged thereto, of a copy-holder hinged to the closure, and a spring for

yieldingly supporting the holder when the closure is opened, said copy-holder engaging and being moved against the action of the spring when the closure is swung to closed position.

11. In a device of the class described, the combination with a casing, of a machine-support located therein, a closure hinged to the upper edge of the casing and arranged to be swung backwardly upon the same, a copy-holder hinged to the top of the closure, a spring for yieldingly supporting the copy-holder, and means coacting with the holder for automatically effecting the backward swinging movement of said copy-holder against the action of the spring when the closure is swung to closed position.

12. In a device of the class described, the combination with a container comprising hingedly-connected casing and closure sections, of a copy-holder movably mounted on one section and having a portion arranged to strike the other section to move said holder with respect to the section carrying it when the container is being closed.

13. In a device of the class described, the combination with a container comprising hingedly-connected casing and closure sections, of a copy-holder hinged between its ends on one section, the portion of said holder on one side of the hinge constituting a work-support, the other portion being arranged to engage the other section to swing said holder when the container is closed.

14. In a device of the class described, the combination with a casing, of a closure hinged thereto and movable to a position upon the same, a copy-holder movably mounted on the closure and movable therewith, a portion of the casing being located in the path of movement of a portion of the copy-holder and effecting the movement of

said copy-holder with respect to the closure upon the movement of said closure.

15. In a device of the class described, the combination with a hooded casing comprising a bottom, a top, rear and side walls, of a hooded closure for the casing comprising a top and side walls, hinges connecting the adjacent edges of the tops, the top of the closure being located upon the top of the casing when opened, a machine-support movably mounted in the casing and uncovered when the closure is opened, and a locking device engaging the support for normally holding it against movement, said device having an actuating element projecting through and above the top of the casing and arranged to be engaged and operated by the top of the closure when the latter is swung thereupon to release the machine-support.

16. In a device of the class described, the combination with a hooded casing having a rear wall, of a hooded closure hinged to the casing and having a front wall, a platform movably mounted in the casing and having a front portion projecting therefrom and adapted to be covered by the closure, keeper devices carried respectively by the rear wall of the casing and the front wall of the closure, the platform being movable to a position beneath the keeper devices of the rear wall, and those on the front wall being arranged to engage over the platform when the closure is swung to closed position, and a handle for carrying the casing.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

RUDOLPH A. BOSTELMAN.

Witnesses:

G. D. CRAIG,
W. J. CAMPBELL.