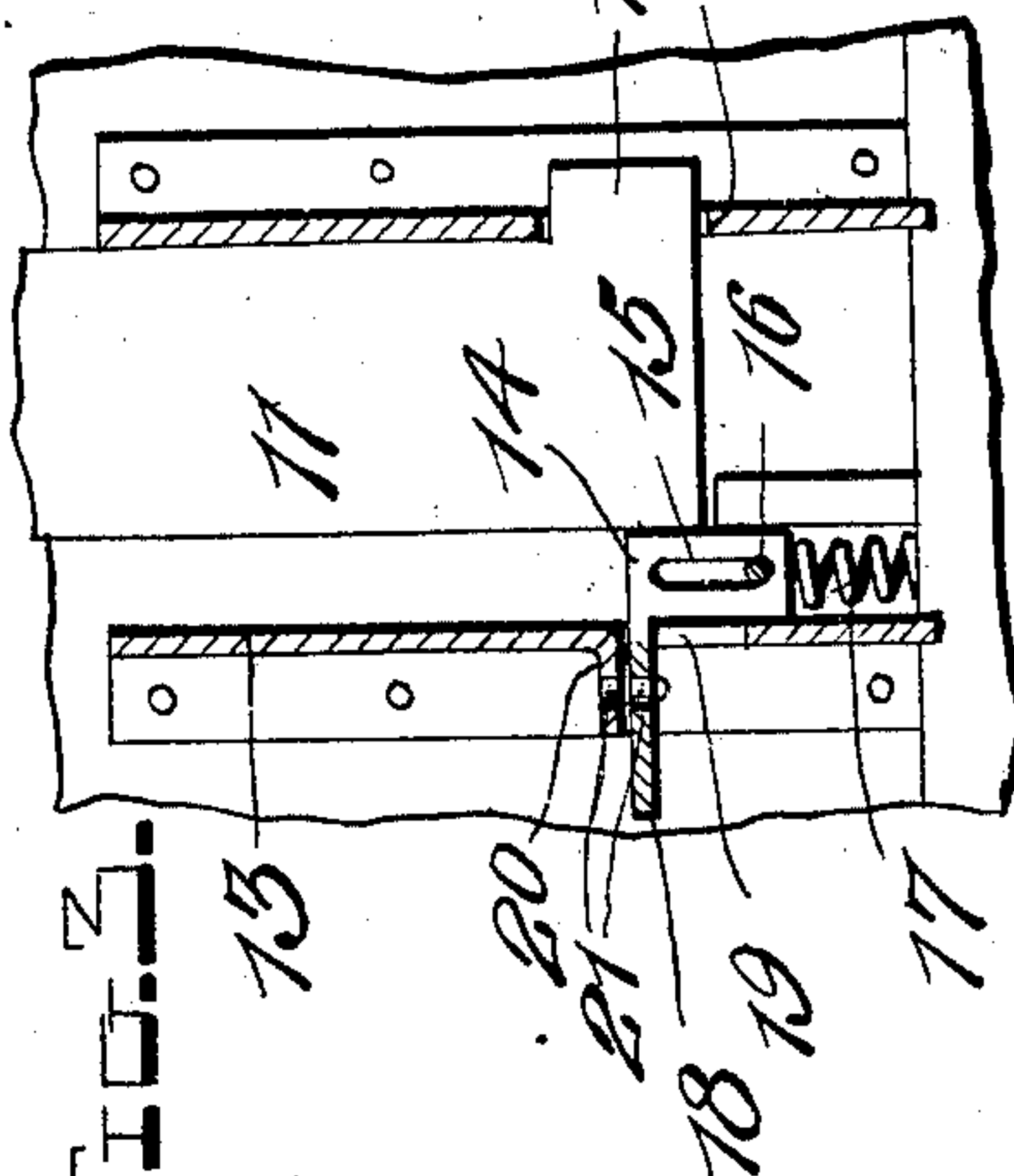
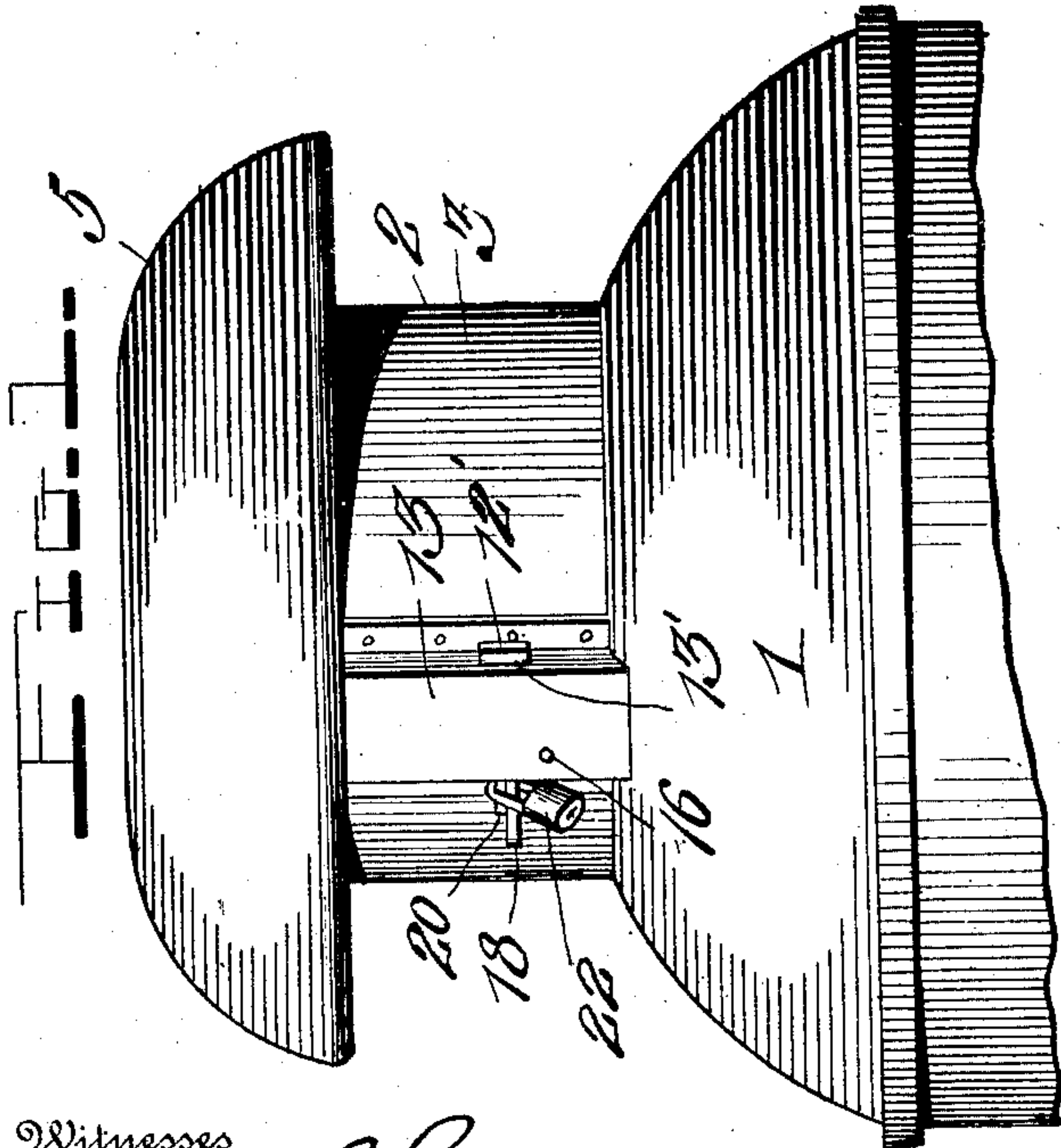
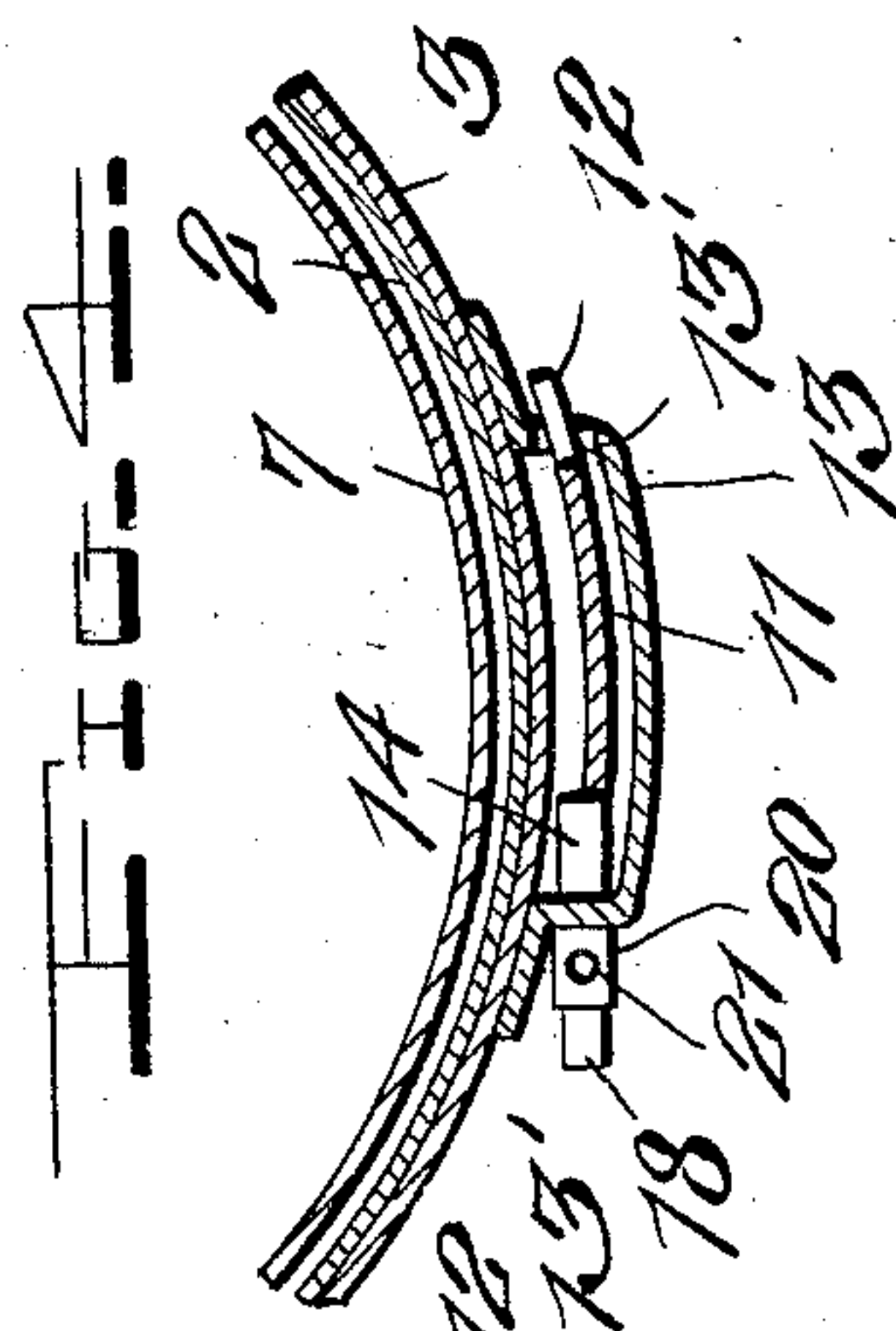
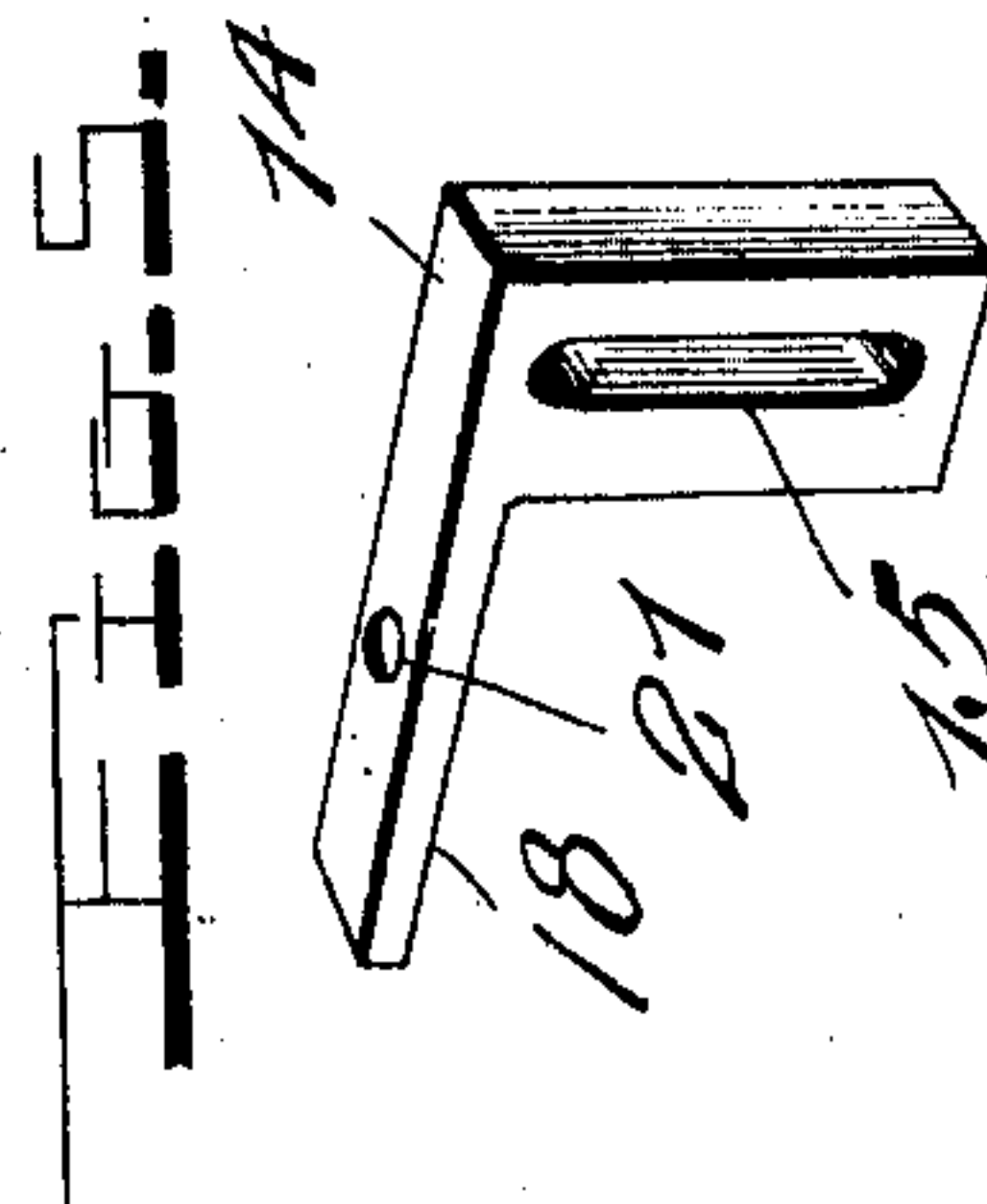
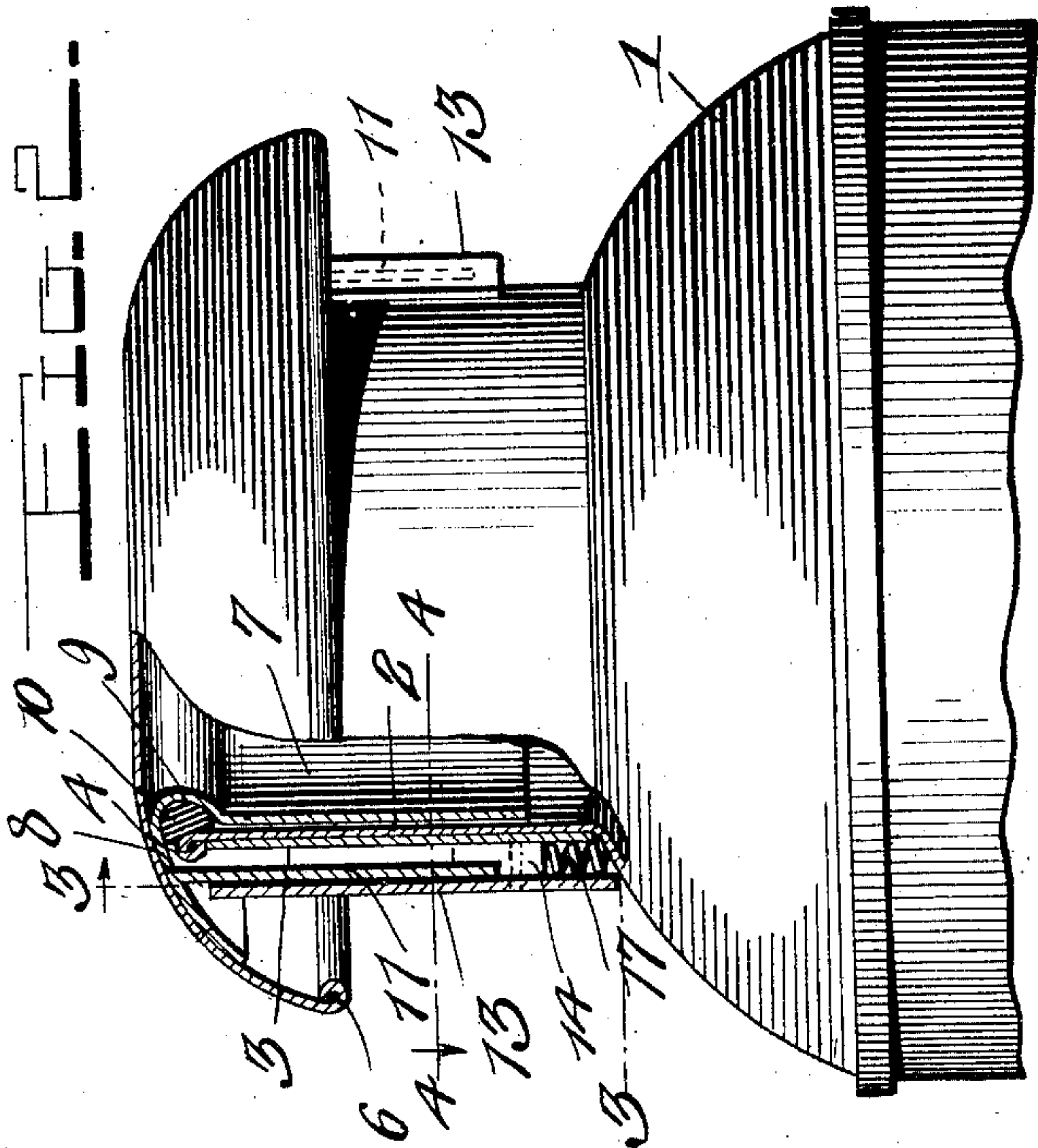


L. F. SCOTT.
MILK CAN LOCK.
APPLICATION FILED APR. 13, 1910.

Patented Aug. 16, 1910.
2 SHEETS—SHEET 1.

967,844.



Inventor

L. F. Scott,

Witnesses

Chas. L. Griebauer.
E. M. Ricketts

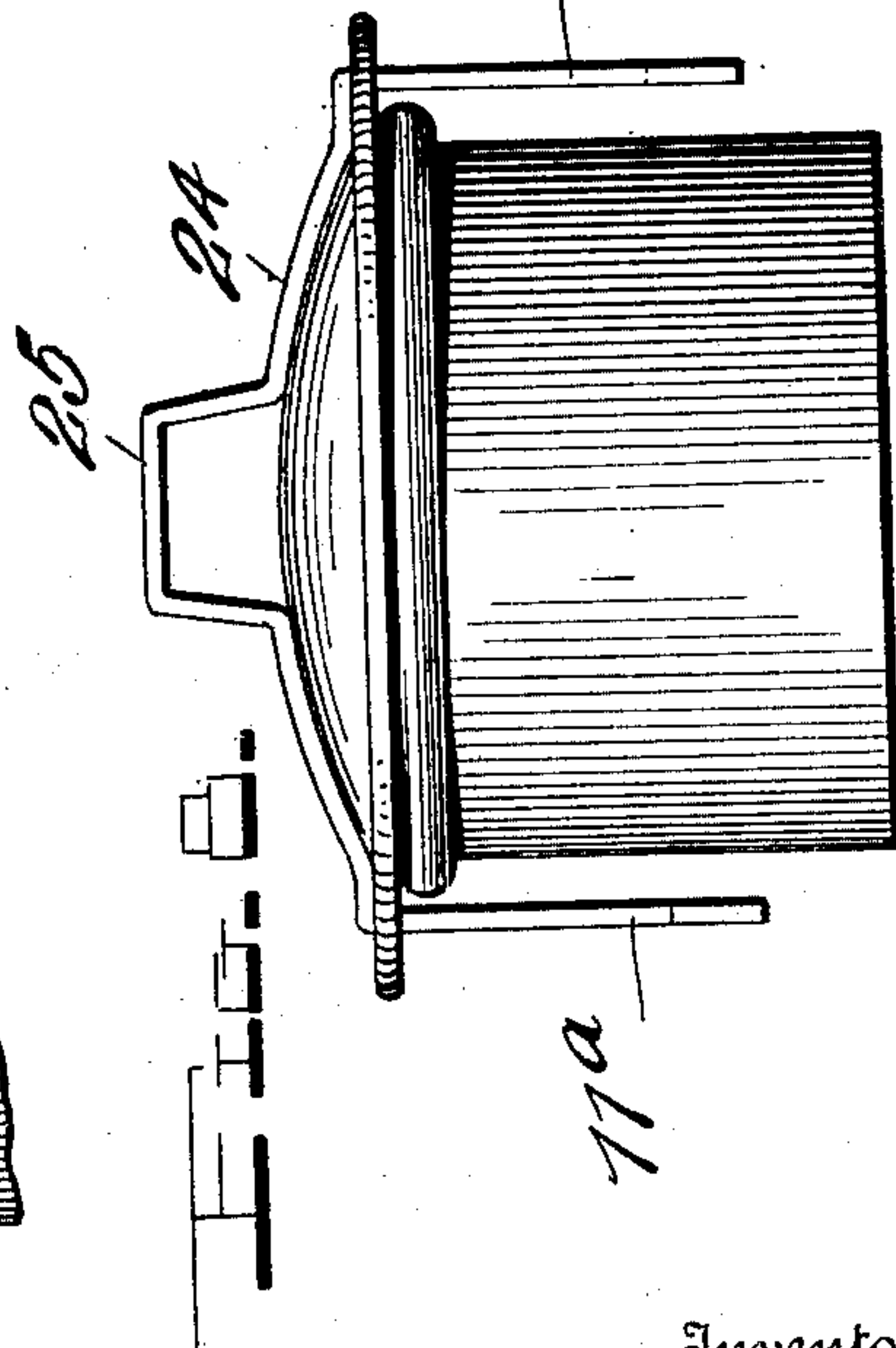
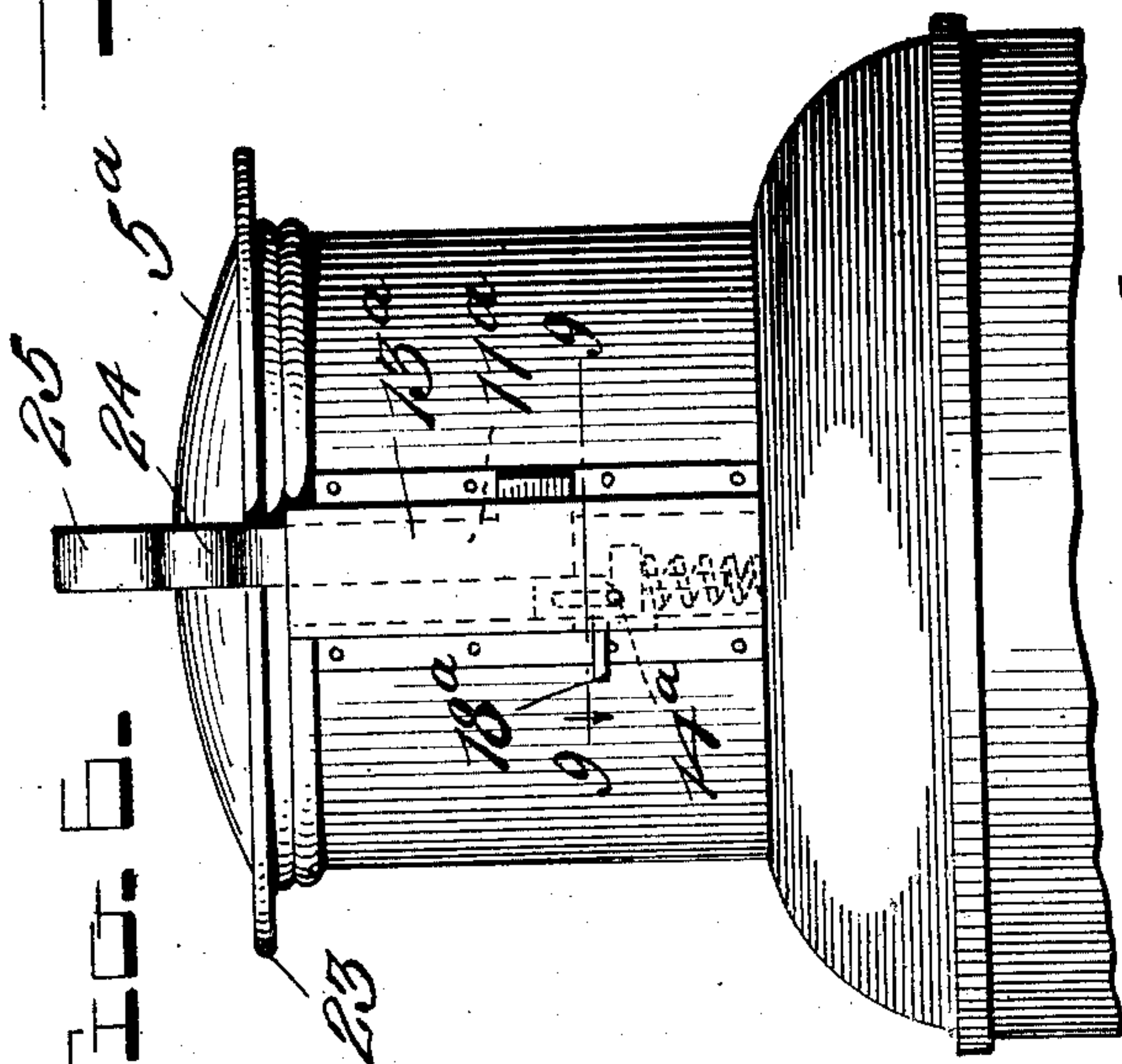
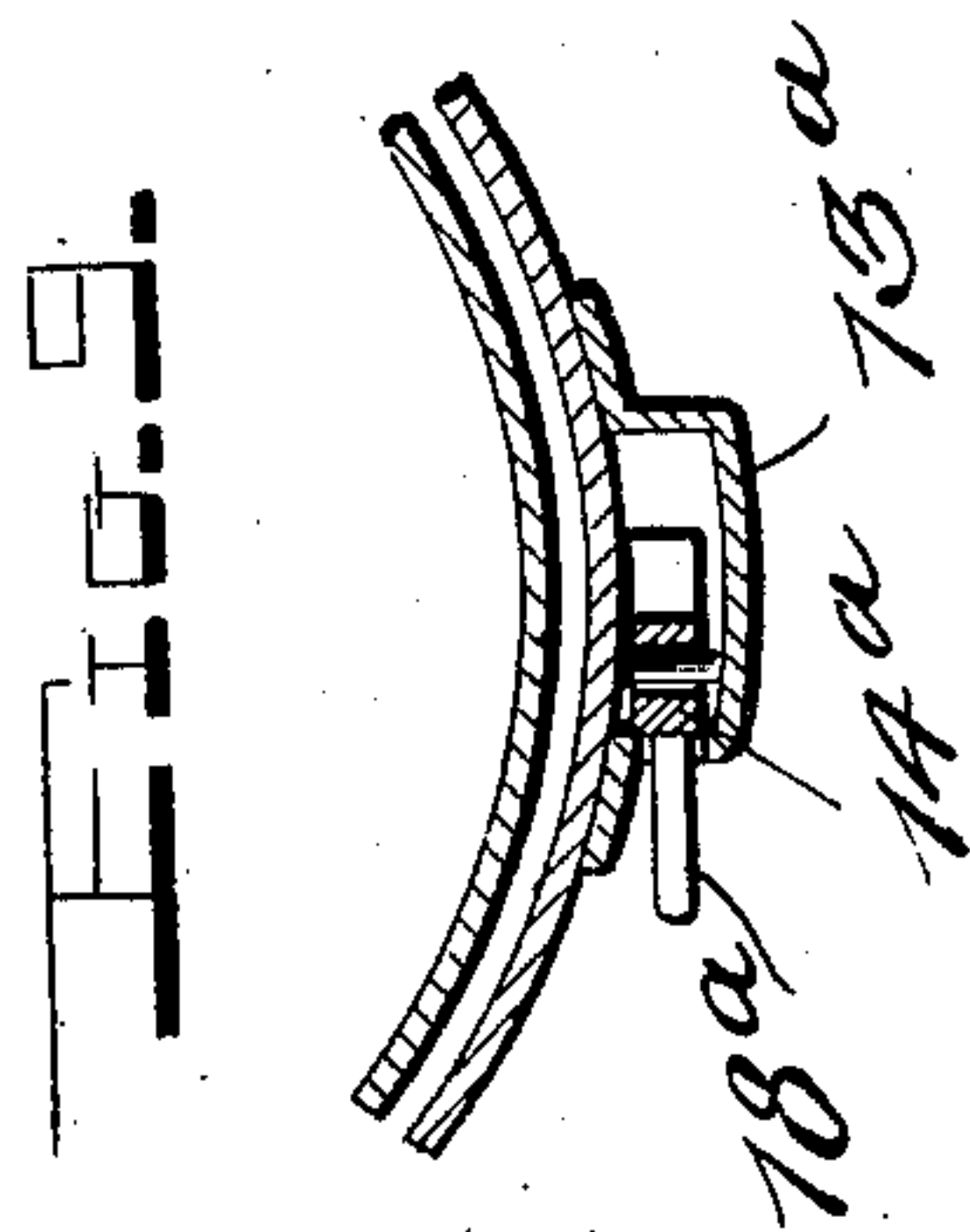
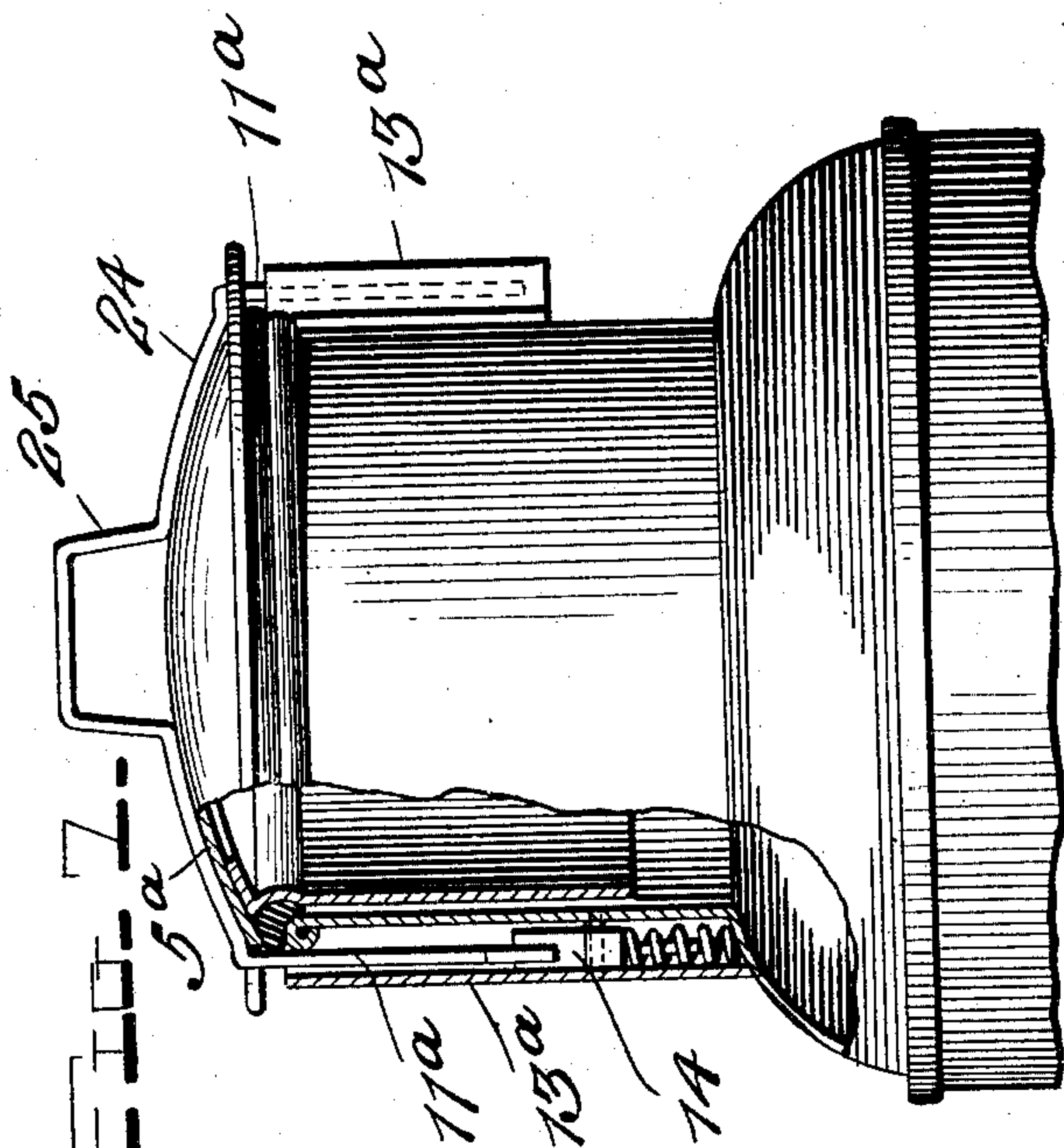
By

Watson E. Coleman.
Attorney

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Witnesses

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E. M. Ricketts

By

Watson E. Coleman,
Attorney

UNITED STATES PATENT OFFICE.

LEWIS F. SCOTT, OF RISING SUN, MARYLAND, ASSIGNOR OF ONE-FOURTH TO ALLEN E. KIRK, OF RISING SUN, MARYLAND.

MILK-CAN LOCK.

967,844.

Specification of Letters Patent.

Patented Aug. 16, 1910.

Application filed April 13, 1910. Serial No. 555,287.

To all whom it may concern:

Be it known that I, LEWIS F. SCOTT, a citizen of the United States, residing at Rising Sun, in the county of Cecil and State of Maryland, have invented certain new and useful Improvements in Milk-Can Locks, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in locking devices for the covers of milk cans and analogous receptacles.

The object of the invention is to provide a simple and practical device of this character which will be inexpensive in construction, will be convenient to manipulate and will effectively retain the cover on the can so that the milk, cream or other contents will not be lost should the can be overturned.

With these and other objects in view the invention consists of the novel features of construction, combination and arrangement of parts hereinafter fully described and claimed, and illustrated in the accompanying drawings, in which—

Figure 1 is a view illustrating the application of my invention to the well known form of milk can; Fig. 2 is a side elevation, parts being broken away and in section; Fig. 3 is a detail vertical section taken on the plane indicated by the line 3—3 in Fig. 2; Fig. 4 is a detail section taken on the plane indicated by line 4—4 in Fig. 2; Fig. 5 is a detail perspective view of the bolt; Fig. 6 is a side elevation of another style of milk can showing a slightly modified form of my invention applied thereto; Fig. 7 is a different side view of the can shown in Fig. 6, parts being broken away and in section; Fig. 8 is a side view of the cover of this can; and Fig. 9 is a detail section taken on the plane indicated by the line 9—9 in Fig. 6.

Referring more particularly to Figs. 1 to 5 inclusive 1 denotes the body of a milk can or analogous receptacle which has at its top an upright cylindrical neck 2 reinforced by a cylindrical band 3 and having its upper edge rolled outwardly to form a bead 4 which latter also serves to retain the reinforcing band or sleeve 3 in position.

5 denotes the can cover which has a downwardly curved surrounding edge rolled inwardly to provide a reinforcing bead 6 and

within which is a depending cylindrical flange 7 which enters the neck 2 of the can. The cover flange 7 has its upper edge outwardly turned as shown at 8 to form an annular flange united to the cover or top 5, and the upper portion of the flange 7 is stamped inwardly to provide an annular groove or seat 9 for a packing ring or gasket 10 which is preferably made of rubber or some elastic material and is adapted to engage the bead 4 on the neck to provide a fluid tight joint or connection.

My improved means for securing or locking the cover on the neck of the can consists of two locking members or arms 11 which depend from the inner or under face of the cover 5 outside of the flange 7 and at diametrically opposite points. The upper extremities of the locking arms 11 are outwardly turned as shown at 12 and secured to the cover 5 and the lower ends of said arms are provided with laterally projecting lugs 12 forming stops or shoulders. Said arms 11 are adapted to enter casing members 13 arranged at opposite points on the exterior of the neck of the can and constructed preferably from sheet metal stamped into channeled form and riveted or otherwise secured as shown. The channels in the casing members 13 are of such width as to receive the enlarged lower extremities of the back arms 11 and in their walls on one side are formed recesses or openings 13' adapted to receive the lugs 12 whereby the casing members serve as keepers for the locking arms. It will be noted that the lugs 12 on the two arms 11 project in opposite directions and that the keeper openings or seats 13' are correspondingly arranged.

The casing member 13 on one side of the neck is made of greater length than the other so as to contain a locking bolt 14 arranged for vertical sliding movement and adapted to engage the side edge of the cooperating arm 11 opposite the edge carrying the lug 12, when the arm has been shifted laterally to throw said lug into the keeper opening 13'. The bolt 14 is formed with the longitudinal slot 15 to receive a stop pin 16 which retains the bolt in position and limits its sliding movement; and a coil spring 17 arranged in the casing member beneath the bolt is adapted to project it upwardly into its locking position shown in Fig. 3. Pro-

jecting laterally from the end of the bolt 14 is an arm 18 which serves both as a finger piece and hasp member. This arm extends through and works in a vertical slot 19 formed in one side of the casing member 13 and it moves toward and from a co-acting hasp member 20 which is formed by a tongue struck out of the metal of the casing member when the slot 19 is formed. The arm or projection 18 is of greater length than the tongue 20 so that its projecting end forms a finger piece that may be readily engaged and pressed downwardly to retract the bolt. Both of the parts 18 and 20 are formed with vertical openings 21 adapted to receive a padlock 22 or a sealing wire or any analogous device which will keep the bolt 14 in its effective or locking position.

In using the invention it will be seen that when it is desired to fasten the cover on the can, the cover is dropped in position so that the arms 11 pass downwardly into the casing members 13. The cover is then pressed downwardly to compress the elastic packing ring 10 and when it has been forced downwardly a distance sufficient to bring the lugs 12 opposite the openings 13' the cover is given a slight turn to project the lugs 12 into said openings. When the cover is pressed downwardly the lower end of one arm 11 will depress the spring actuated bolt 14 but as soon as said arms have been shifted laterally one of them disengages the bolt and the spring 17 then forces said bolt upwardly to its position shown in Fig. 3 in which it will prevent the removal of the arms 11 and hence the removal of the cover 5. When the bolt is in its effective position the openings 21 in the two parts 18 and 20 will be in register so that a padlock or other locking device may be inserted in them.

In Figs. 6 to 9 inclusive of the drawings I have illustrated a slightly modified form of my invention. In this device the top of the cover instead of being curved upwardly projects straight outwardly as shown at 23 and arranged on this cover which is indicated by the numeral 5^a is a bail 24 bent into U-shape and having its central portion extending across the top of the cover and bent to provide an upstanding hand loop 25. The two depending ends of the bolt 24 form the locking arms 11^a which latter enter the casing members 13^a which are similar in all respects to the casing members 13. A spring pressed locking bolt 14^a is provided in one of the casing members 13^a and it has a finger piece 18^a which works through a slot in said casing member 13^a whereby the bolt may be retracted.

From the foregoing it will be seen that my invention provides an exceedingly simple and practical locking device of this character which will securely fasten the cover of a milk can or the like so that it cannot possi-

bly fall off should the can be overturned. The peculiar construction of the device renders it strong and durable and comparatively inexpensive and insures an effective fluid tight joint between the can and its cover.

Having thus described the invention what is claimed is:—

1. The combination of a receptacle, a removable cover therefor, locking arms depending from the cover and having laterally projecting lugs, casing members arranged on the receptacle and having seats to receive said lugs, and means for preventing lateral movement of the arms in said casing members whereby the lugs will be locked in their seats.

2. The combination of a receptacle, a removable cover therefor, locking arms depending from the cover and having laterally projecting lugs, casing members arranged on the receptacle and having seats to receive said lugs, and a slidably mounted spring pressed bolt arranged in one of the casing members and adapted to engage a locking arm therein to retain it in its effective position.

3. The combination of a receptacle, a removable cover therefor, locking arms depending from the cover and having laterally projecting lugs, casing members arranged on the receptacle and having seats to receive said lugs, an apertured tongue struck out from one of the casing members and forming a slot therein, a spring pressed bolt slidably mounted in the last mentioned casing member to co-act with the locking arm therein, and a finger piece projecting laterally from the bolt and working in said slot and the casing member, said finger piece having its inner portion formed with an aperture disposed opposite the aperture in said tongue.

4. The combination of a receptacle having a cylindrical neck provided with an annular bead, a cover for the receptacle and provided with a depending annular flange to enter said neck and formed in its upper portion with an annular seat, an elastic packing ring arranged in said seat to engage the bead on the neck of the receptacle, vertically extending casing members arranged at opposite points on the exterior of the neck of the receptacle and provided with seats, locking arms depending from the cover to enter the casing members and formed with laterally projecting lugs to enter the seats in said members, and a spring pressed locking bolt arranged in one of the casing members to co-act with the arm therein.

5. The combination of a receptacle, a removable cover therefor, a U-shaped bolt having its cross portion extending across the top of the cover end formed with an upwardly projecting hand loop and its ends

depending from the cover and forming locking arms having laterally projecting lugs, casing members arranged on the receptacle to receive said locking arms and provided
5 with seats to receive said lugs and a spring pressed locking bolt arranged in one of the casing members to co-act with the arm therein.

In testimony whereof I hereunto affix my signature in the presence of witnesses.

LEWIS F. SCOTT.

Witnesses:

ALLEN E. KIRK,
HOWARD J. THOMPSON,
WILMA V. CULLINAN.