

(No Model.)

P. J. PAULY, Jr.
FILE BOX.

No. 535,459.

Patented Mar. 12, 1895.

Fig. 1.

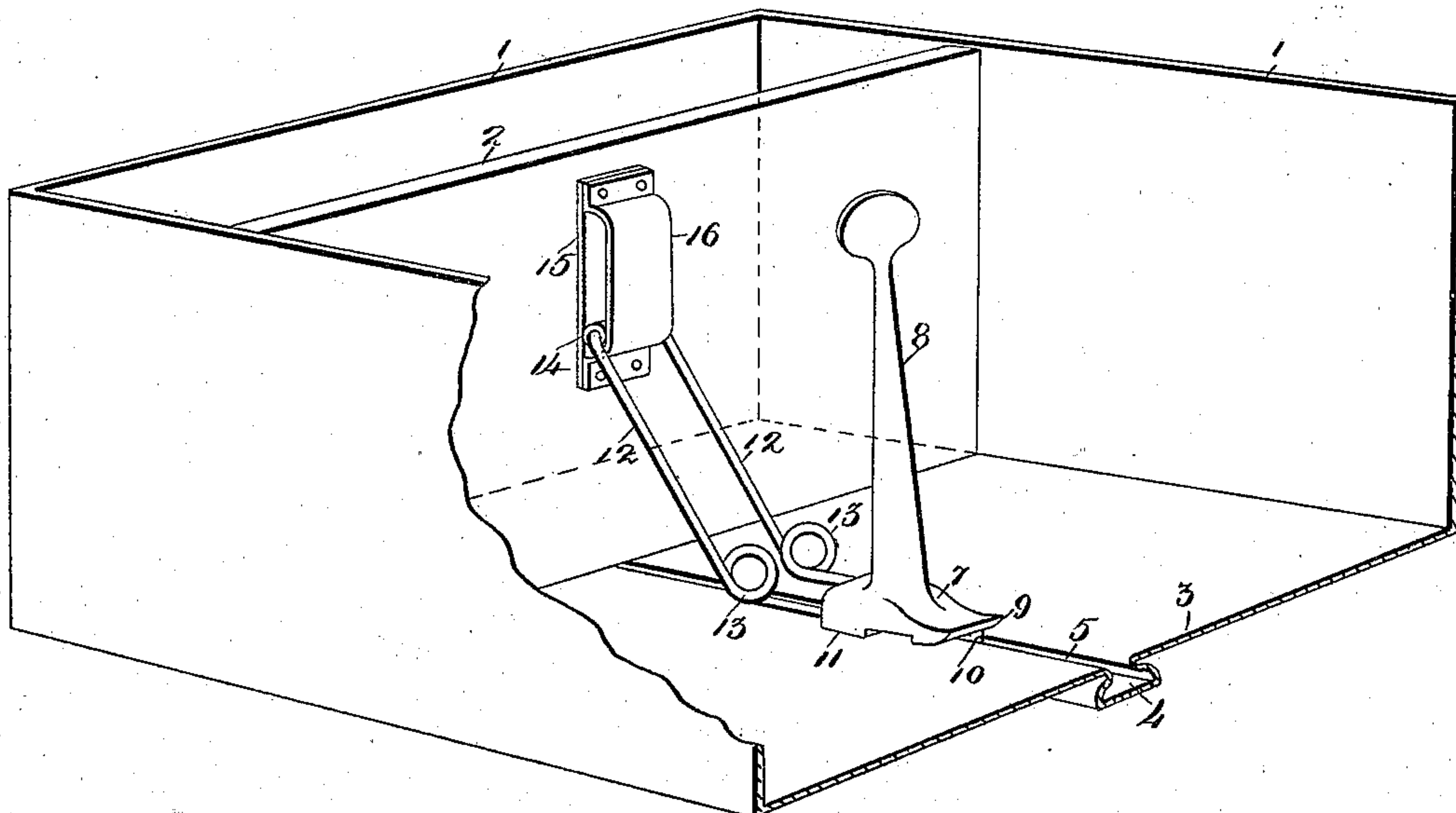


Fig. 2.

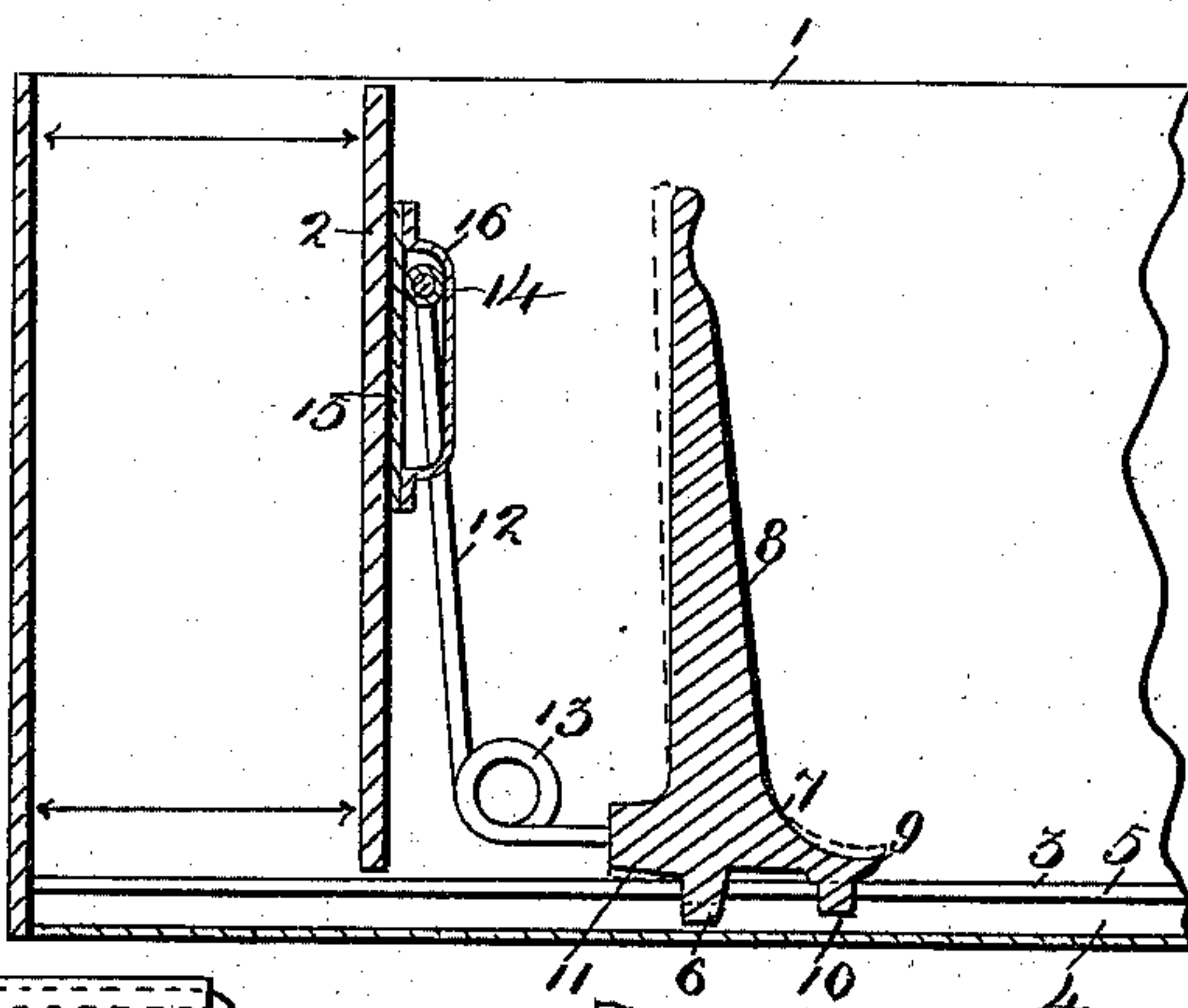


Fig. 3.

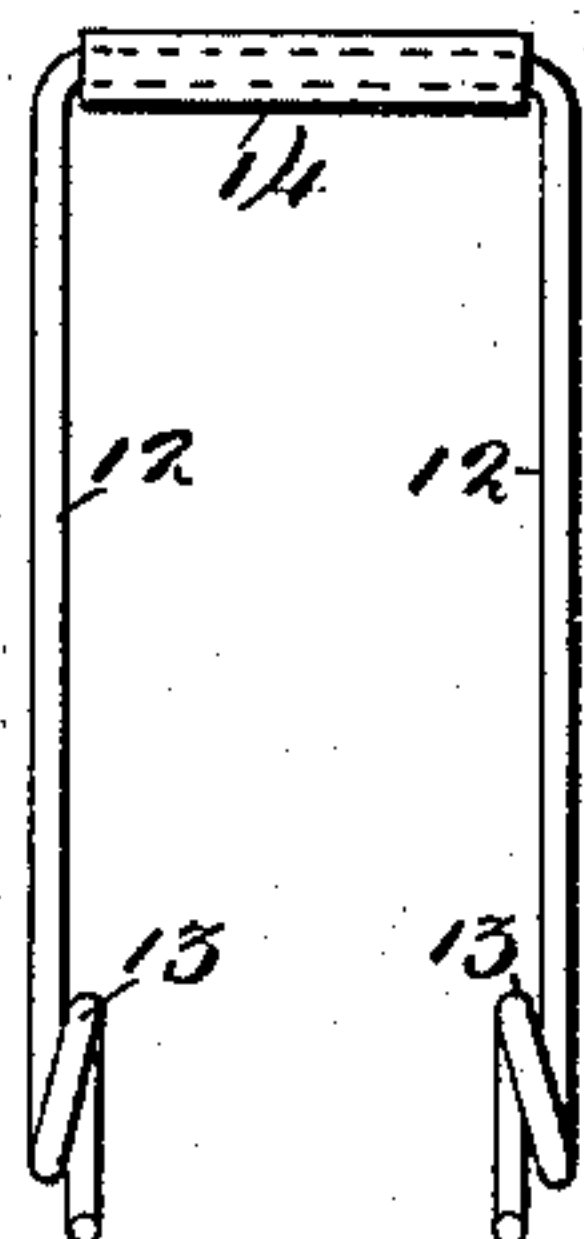


Fig. 4.

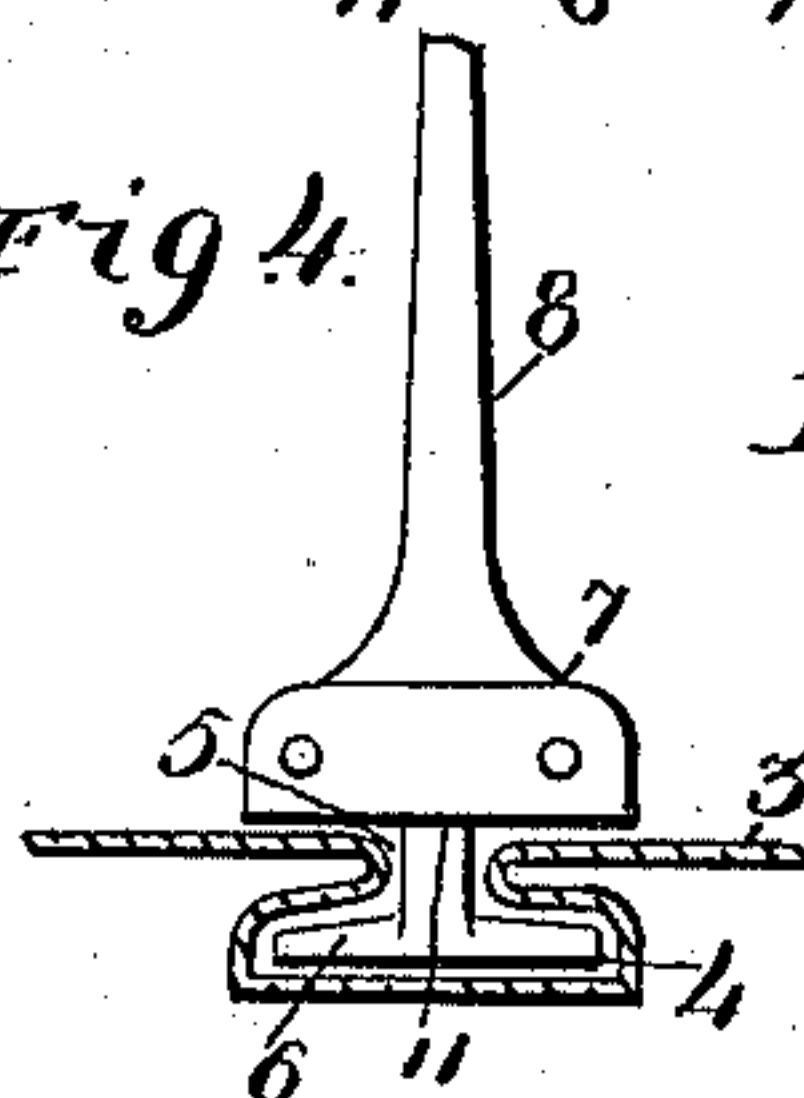
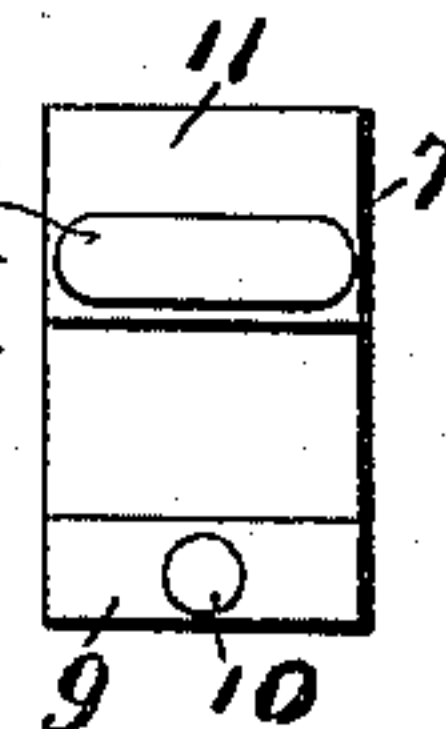


Fig. 5.



Witnesses

H. B. Wells

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UNITED STATES PATENT OFFICE.

PETER J. PAULY, JR., OF ST. LOUIS, MISSOURI.

FILE-BOX.

SPECIFICATION forming part of Letters Patent No. 535,459, dated March 12, 1895.

Application filed January 7, 1895. Serial No. 534,070. (No model.)

To all whom it may concern:

Be it known that I, PETER J. PAULY, Jr., a citizen of the United States, residing at St. Louis, State of Missouri, have invented certain new and useful Improvements in File-Boxes, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention has relation to improvements in compress file boxes and consists in the novel arrangement and combination of parts more fully set forth in the specification and pointed out in the claims.

In the drawings, Figure 1 is an inner perspective view of the box with parts broken away. Fig. 2 is a middle vertical longitudinal section of the same. Fig. 3 is a detached view of the ejecting spring. Fig. 4 is a rear view of the tilting post showing the guide-way in which it slides in section; and Fig. 5 is a plan view of the base of said post.

My invention has relation to compress document file boxes, and has for its object the construction of a box the compress board of which can be manipulated or adjusted along the base of the box with rapidity and exactness, one which can be shifted to any degree and be under perfect control of the operator.

In the present case the adjustment is accomplished by the resilient action of a spring by which the position of the compress board along the base of the file box is controlled. In detail the device may be described as follows:

Referring to the drawings, 1 represents the box between the side walls of which the compress board 2 is confined and along the base 3 of which the same is adapted to be shifted.

4 represents the guide-way running longitudinally below the slot 5 of the base, and when made of metal, the base and guide-way are stamped integrally as shown in the drawings. The guide-way 4 receives a T-shaped guide 6 which projects through the slot 5 and is secured to or cast integrally with the expanded base 7 of an operating post 8. The toe 9 of the base 7 has a projecting guide pin 10 passing within the slot 5. Sufficient play is left between the lower surface of the base 7 and the upper surface of the base 3 of the box, and between the guide 6 and the inner walls of the guide-way 4 to allow for a slight

tilting motion of the post 8, a distance indicated by the different position between the dotted line in Fig. 2, which shows one position of the post, and the full lines which show the normal position of said post. When in the position indicated by the full lines the base of the toe 9 rests on the base 3, the heel 11 being out of contact as shown best in Figs. 2 and 4. The post 8 is held in this position by the ejecting spring 12 whose ends are secured to the rear surface of the heel 11, the resiliency of the spring being effected by the coils or loops 13 adjacent to the ends thus secured to said heel. The spring 12 is substantially U-shaped the medial portion of the U carrying an anti-friction roller 14 adapted to ride between the plate 15 secured to the outer surface of the compress board, and a confining plate or clip 16 secured to the plate 15. Of course the natural tendency of the spring 12 is to incline inwardly as seen in Fig. 1, where it has been moved away from the compress board; but when caused to approach a substantially vertical position as indicated in Fig. 2 (which is done when the compress board is forced snugly against the papers or files in the rear thereof when the box is not in use) this action tends to tilt upwardly the free ends of the spring secured to the heel 11, and it is this action which causes the toe 9 to alone engage with the upper surface of the base 3 of the box, leaving the rear of the base 7 or the heel 11 out of engagement as seen in Fig. 2. When the parts are in the position indicated in full lines in this figure (Fig. 2), they remain stationary; but when the post 8 is tilted to the position indicated in dotted lines, thus disengaging the toe 9 from the base 3, so that the entire lower surface of the base 7 shall be parallel to the base 3 and the line of resistance to any motion of the post along the base 3 of the box shall be parallel to this motion, the resilient action of the spring will tend to force outwardly the post bodily, causing it to slide along the guide-way 4 and slot 5, thus allowing the compress board 2 (assisted by the expansion of the documents compressed in the rear thereof) to follow after it along the base 3 of the box, as indicated in Fig. 1, the medial portion of the U-shaped spring being guided along the outer surface of the compress board between the plates 15

and 16. The moment the post 8 is released by the operator it will again resume the position indicated in full lines in Fig. 2, by which action the compress board may be shifted any desirable degree along the base of the box, it being obvious that any number of adjustments can thus be made by a succession of tilts of the post 8. By the present device therefore, the compress board is under complete control of the operator and may be shifted to any position that circumstances require.

Having described my invention, what I claim is—

1. In a file box, a compress board, an independent tilting post adapted to slide along the base of the box, and intermediate connections between the compress board and the post for retaining the latter in any position along the base of the box, or disengaging the same from said position at the will of the operator, substantially as set forth.

2. In a file box, a compress board, an independent tilting post adapted to slide along the base of the box, and a spring ejecting device between said compress board and post for retaining the latter in any position along the base of the box, or shifting the same from said position at the will of the operator, substantially as set forth.

3. In a file box, a compress board, an inde-

pendent tilting post adapted to slide along the base of the box, a spring ejecting device secured to the base of the post, and means for guiding the opposite end of the spring along the outer face of the compress board, substantially as set forth.

4. A file box comprising a suitable box, a compress board adapted to slide along the bottom of the same, a slot along the base of the box, a guide-way below said slot, a tilting post having a suitable base, a toe on said base having a guide pin adapted to operate in the slot of the box, a T-shaped guide at the opposite end of the post-base adapted to operate in the guide-way, a heel or expanded portion forming a part of the post base and adapted to engage with or be disengaged from the base of the box, a U-shaped ejecting spring having its free ends secured to the rear face of the heel, coils disposed along the spring adjacent to the heel, and suitable guide plates on the compress board for the medial portion of the spring, the parts operating substantially as and for the purpose set forth.

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

PETER J. PAULY, JR.

Witnesses:

H. A. UHL,
E. STAREK.