

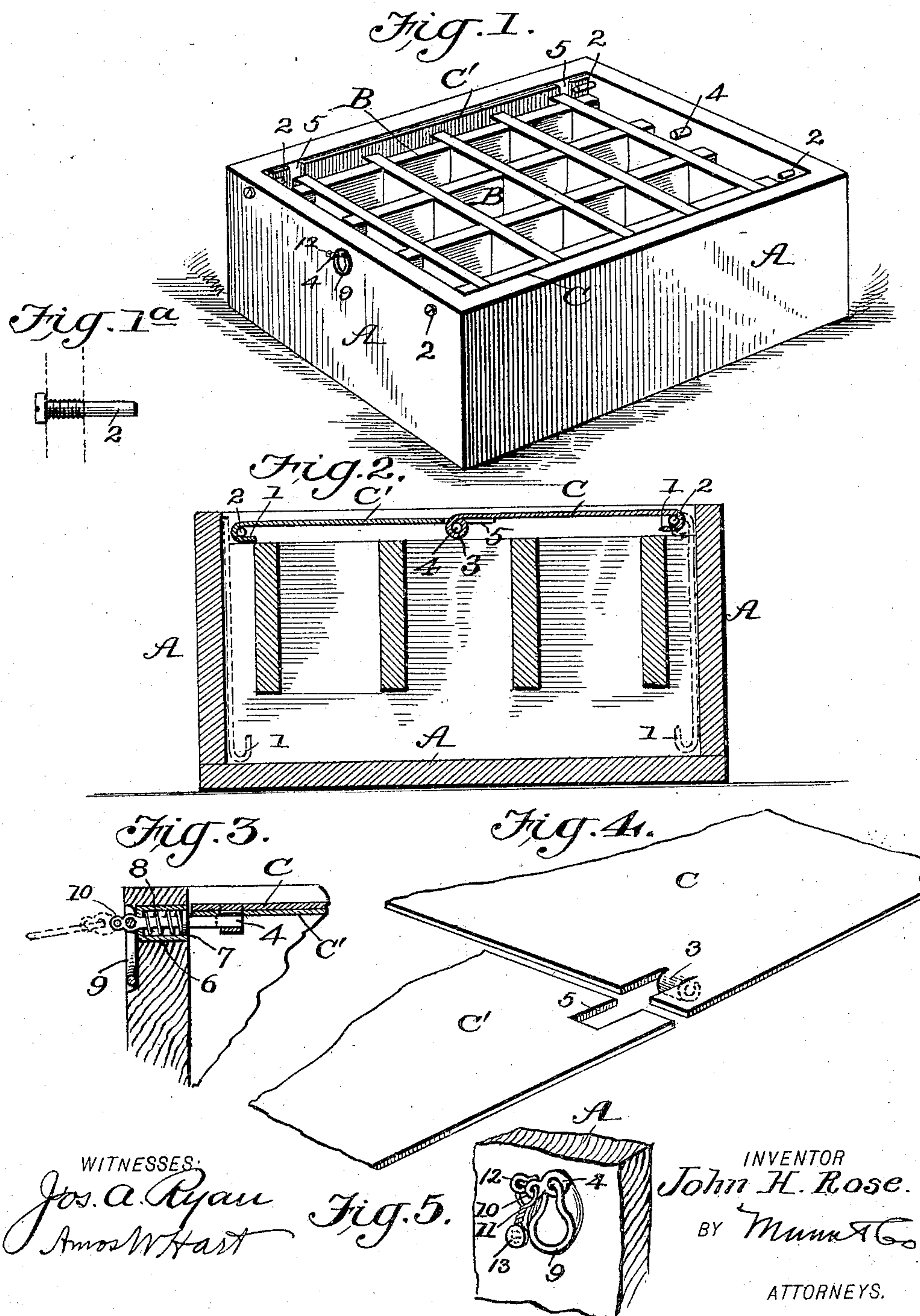
No. 725,143.

PATENTED APR. 14, 1903.

J. H. ROSE.  
PACKING BOX.

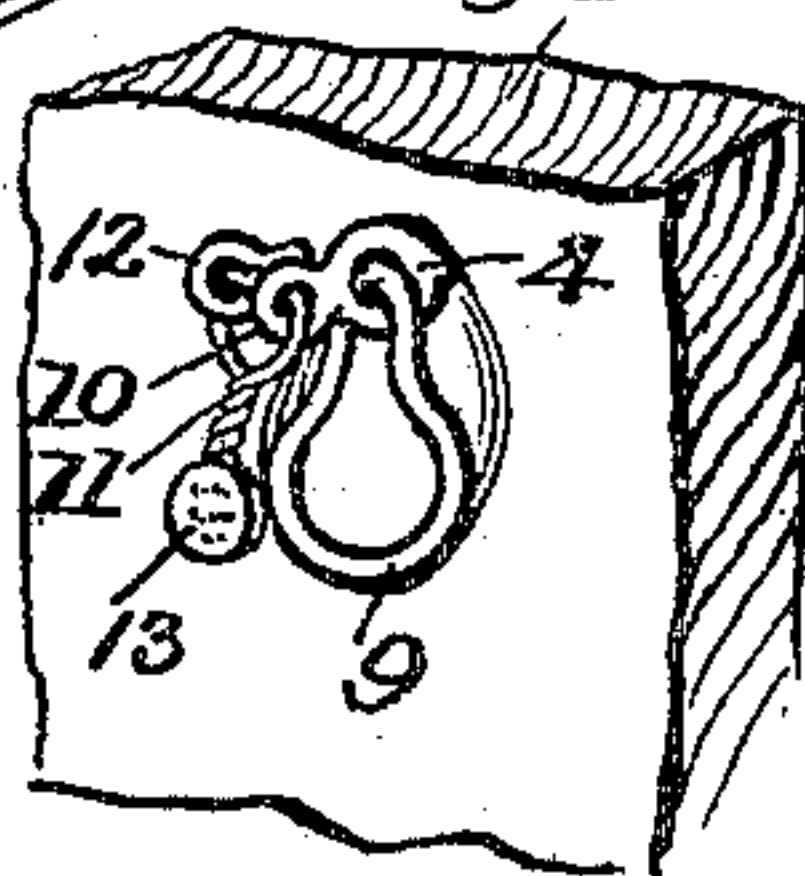
APPLICATION FILED JUNE 7, 1902.

NO MODEL.



WITNESSES:  
*Jos. A. Ryan*  
*Amos W. Hart*

*Fig. 5.*



INVENTOR  
*John H. Rose.*  
BY *Munn & Co.*  
ATTORNEYS.



# UNITED STATES PATENT OFFICE.

JOHN HENRY ROSE, OF SHREVEPORT, LOUISIANA.

## PACKING-BOX.

SPECIFICATION forming part of Letters Patent No. 725,143, dated April 14, 1903.

Application filed June 7, 1902. Serial No. 110,676. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN HENRY ROSE, a citizen of the United States, residing at Shreveport, in the parish of Caddo and State of Louisiana, have made certain new and useful Improvements in Packing-Boxes, of which the following is a specification.

My invention is an improvement in the covers and cover-fastenings of packing or shipping boxes. The covers are preferably constructed of sheet metal for sake of economy in manufacture and of space in the box and also reduction of weight; and the invention relates in particular to the construction of the cover proper, whereby the fastening is formed.

The details of construction, arrangement, and operation are as hereinafter set forth, reference being had to accompanying drawings, in which—

Figure 1 is a perspective view of a shipping-box provided with covers and fastenings according to my invention, the covers being shown open. Fig. 1<sup>a</sup> is a side view of one of the screw pintles or pivots of the covers. Fig. 2 is a transverse vertical section of the box, the covers being shown closed. Fig. 3 is a detail vertical section showing the arrangement of the sliding bolt forming part of the cover-fastenings. Fig. 4 is a perspective view of a portion of the covers, illustrating the construction of the same to form the fastenings. Fig. 5 is a perspective view illustrating a sealing attachment.

A indicates a rectangular wooden box, and B a cell-case arranged within the same and adapted to contain bottles or other articles to be shipped.

C and C' indicate the two sheet-metal covers with which the box A is provided. Each of these covers is rectangular and oblong and adapted to slide downward in the space provided between the opposite sides of the box A and the cell-case B, as shown in Figs. 1 and 2. Owing to the thinness of the covers, it will be seen that they occupy minimum space when thus arranged. When the covers are arranged and placed in horizontal position—that is to say, when closed, as shown in Fig. 2—the cover C overlaps the cover C'. The outer edges of the covers are provided with integral hooks 1, (see Fig. 2,) which are adapt-

ed to engage pintles 2 when the covers are arranged as shown in Fig. 2. Such engagement is effected automatically, the covers being guided by contact with the adjacent sides of the box A and cell-case B. It will be further seen that the covers C and C' turn on the pintles 2 when swung down into the horizontal or closing position shown in Fig. 2 and that the hooks 1 automatically disengage from the pintles 2 when the covers are raised and pushed downward as required to place them in the position indicated by full lines, Fig. 1, and dotted lines, Fig. 2. The covers are made of such width that when in such position their upper edges are flush with the top of the box A, so that they do not interfere with insertion or removal of bottles or other articles. The cover C is provided near each of its inner corners with an eye or socket 3, which is adapted to receive the sliding fastening-bolt 4, as shown in Fig. 3. Such eye is formed by slitting the edge of the cover and turning down and bending upward the tongue thus produced. The other cover C' is provided at an opposite point in its front edge with a slot 5, which is adapted to receive the aforesaid eye 3 when the plate C laps upon said cover C', as indicated in Figs. 2 and 3. It will be seen that in such case no portion of the slot 5 is left open or accessible, it being filled to its inner end with the eye 3. A fastening-bolt 4 is arranged in the center of each end of the box A at a point near the top, and, as shown, the bolts are in alinement with the eyes 3 of the lapping cover C. The bolts are arranged in a tubular metal casing 6 and provided with a shoulder 7, (see Fig. 3,) between which and the outer end of said casing is arranged a spiral spring 8. The outer end of the bolts 4 is provided with an eye, and a link or ring 9 (see Fig. 5) is applied thereto for use in retracting the bolt against the tension of the spring. When the bolts 4 are in engaging position, as indicated in Fig. 3, the rings 9 lie in sockets or recesses provided in the ends of the box and are thus flush with said ends, as shown in Fig. 3. It will be observed that it is necessary that the eyes 3 of the cover C should be located a little way from the end of said cover in order that the eyes may not come in contact with the pintles 2 when the cover is being adjusted in the po-



sition shown by full lines, Fig. 1, and dotted lines, Fig. 2. It will be seen that the cover C is held down and securely fastened at each of its inner corners by means of the sliding bolts 4, and that the other cover C' is in turn held down and secured by the overlapping portion of the cover C, and that upon retracting the bolts 4 the covers are left free to be raised as may be required.

By the construction and arrangement of parts as described I provide covers for the box proper which occupy minimum space and are of minimum weight and cost and whose fastenings being made in part from an integral portion of one of the covers involves little cost.

In Fig. 1<sup>a</sup> I illustrate one of the pintles 2 of the covers, the same being smooth in their outer portions and screw-threaded near their inner ends, so that they are adapted to be screwed into the box and will retain their place, while the smooth inner ends form pivots proper for the covers C and C'.

In order that the fastenings may be sealed when required, I provide the outer ends of the bolts 4 with an extension 10, having an eye adapted for reception of a wire 11, and adjacent to the bolt a screw-eye 12 is inserted in the box. The wire 11 passes through both eyes, and the ends of the same are fixed together, and a seal 13 is applied thereto in the usual way.

It will be noticed that when the sections C and C' are brought together at their meeting ends and the pins 4 are introduced into the eye 3 of the section C the meeting edges of the sections C and C' and the casing are interlocked, thus securing the sections C and C' in position relative to the casing or box.

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

1. The combination, with a shipping-box proper, of covers adapted to engage at their inner or meeting ends when in closed position, and one of them provided at its said inner or meeting end with an eye, of a device secured to the box proper and adapted to engage the said eye, substantially as shown and described.

2. The combination, with a shipping-box proper, of covers adapted to slide into spaces provided at the sides of the same, and to lap when adjusted in normal position, the overlapping cover being provided with eyes on its under side, and sliding spring-bolts arranged in the ends of the box and adapted for engagement with the eyes, substantially as shown and described.

3. The combination, with a shipping-box proper, of sheet-metal covers having at their outer edges a hinge connection with the sides of the box, and one of them adapted to overlap at its inner end the inner edge of the

other, such lapping cover being provided on its under side with an eye formed by a tongue of said meeting end of the cover, and a sliding bolt adapted to engage the eye for locking the cover in the manner shown and described.

4. The combination, with a shipping-box, of covers having at their outer edges a hinged connection with the sides of the same, and adapted to overlap at their meeting edges and lies substantially in the same plane, one of said covers being provided with slots, and the other with the downwardly-projecting eyes in said edges, and bolts for engaging the eyes, as shown and described.

5. The combination, with a shipping-box, of sheet-metal covers hinged at their outer edges at the sides thereof, and adapted to overlap and lies substantially in the same plane, and slidable devices adapted to engage sockets formed on the overlapping cover at the meeting edges of the hinged covers, substantially as shown and described.

6. The combination, with a shipping-box proper, and a cover having eyes or sockets as described, of slidable bolts arranged in the ends of the box, springs applied to said bolts for holding them normally engaged with the eyes, and a pulling device hinged to the ends of the bolts and adapted to hang vertical when not in use, as shown and described.

7. The combination, with a shipping-box, and covers provided with hooks at their outer edges, of pintles for said covers which are constructed smooth and cylindrical at their outer ends and are screw-threaded at their inner ends, as shown and described.

8. The combination, with the shipping-box, covers therefor, and bolts adapted to engage sockets on one of said covers and provided at their outer ends with an eye, of screw-eyes arranged adjacent to such bolts and adapted to receive a sealing-wire, substantially as shown and described.

9. The combination of the box or casing, the lid-sections arranged with the inner edge of one section overlapping the corresponding edge of the other section, and having a projecting portion extending below the overlapped section, and a fastening connected with said projecting portion below the overlapped section, substantially as set forth.

10. A cover for shipping-boxes, comprising two sections one of which overlaps the other at the meeting edges of the sections, the overlapped section being provided with slots in said edge and the overlapping section having depending eyes to operate in and project below the said slots, substantially as set forth.

JOHN HENRY ROSE.

Witnesses:

AMOS W. HART,  
 SOLON C. KEMON.