

H. P. SWEET.
 QUICK DETACHABLE SHIPPING CASE COVER.
 APPLICATION FILED JAN. 23, 1918.

1,316,818.

Patented Sept. 23, 1919.

Fig. 1.

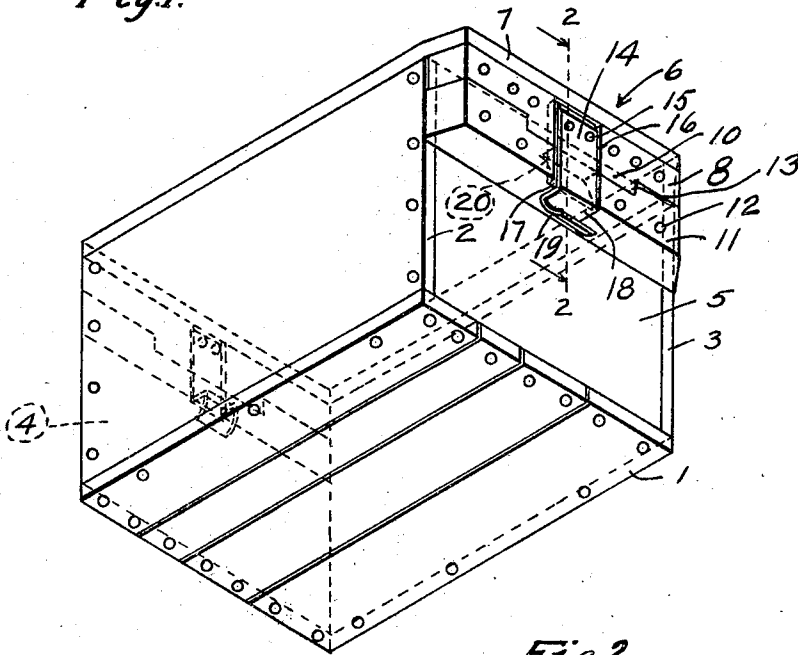


Fig. 2.

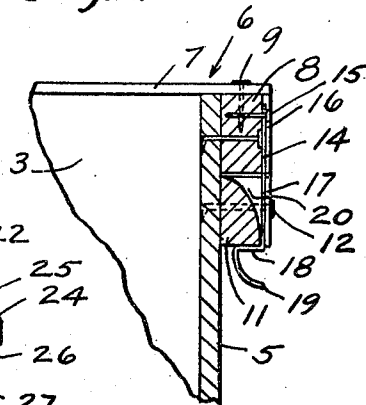
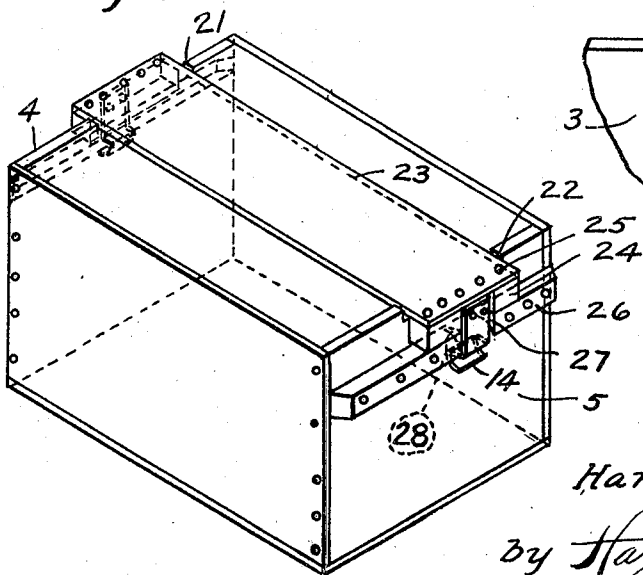


Fig. 3.



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QUICK-DETACHABLE SHIPPING-CASE COVER.

1,316,818.

Specification of Letters Patent.

Patented Sept. 23, 1919.

Application filed January 23, 1918. Serial No. 213,317.

To all whom it may concern:

Be it known that I, HARLAN P. SWEET, a citizen of the United States, residing at Gardena, in the county of Los Angeles and State of California, have invented new and useful Improvements in Quick-Detachable Shipping-Case Covers, of which the following is a specification.

My object is to make a quick detachable cover for shipping cases, such as egg cases and the like.

Figure 1 is a perspective of a shipping case provided with a quick detachable cover in accordance with the principles of my invention, the view being taken from the bottom.

Fig. 2 is a fragmentary sectional detail on the line 2—2 of Fig. 1.

Fig. 3 is a top perspective showing a modified form of shipping case.

Referring to Figs. 1 and 2, the shipping case consists of the bottom boards 1, the side boards 2 and 3 extending upwardly from the bottom boards, and the end boards 4 and 5 connecting the ends of the side boards 2 and 3 and extending upwardly from the bottom boards, thus producing a rectangular box which may be of any shape or capacity.

The quick detachable cover 6 consists of the top boards 7, said top boards being made up wide enough to cover the box and long enough to extend beyond both ends of the box. A cleat 8 is secured along the lower faces of the boards 7 and at each end of the boards so as to fit closely against the upper outer faces of the end boards 4 and 5. The cleats 8 may be secured by nails 9. Tongues 10 extend downwardly from the lower edges of the cleats 8 and extend each way from the centers. Cleats 11 are secured to the outer faces of the ends 4 and 5 by nails 12 and have recesses 13 extending from their upper edges to receive the tongues 10 so as to hold the cover 6 from moving laterally upon the box. Flat spring straps 14 are secured at their upper ends by nails 15 in recesses 16 formed in the outer faces of the cleats 8, and the straps extend downwardly across the cleats 11 in recesses 17. Hooks 18 extend inwardly from the lower ends of the straps 14 against the lower faces of the cleats 11, and handles 19 extend downwardly and outwardly from the inner ends of the hooks 18. Inclined passage-ways 20 are formed from the upper edges of the cleats 11 in com-

munication with the recesses 17 so that when the cover 6 is pressed downwardly into position the handles 19 will slide along the inclined faces at the bottoms of the recesses 20 and bend the straps 14 outwardly to allow the hooks 18 to pass the cleats 11. When it is desired to remove the cover, the handles 19 are pulled outwardly until the hooks 18 are disengaged from the cleats 11.

In the modification shown in Fig. 3 the upper edges of the end boards 4 and 5 have notches 21 and 22 and the cover board 23 fits in these notches so as to hold the cover board from moving laterally upon the box. The cover board 23 is not adapted to cover the entire box but simply covers the central portion of the box. The cleats 24 are simply rectangular blocks secured to the ends of the cover board 23 by nails 25, and the spring straps 14 are secured in recesses in the outer sides of these blocks 24. Cleats 26 secured to the outer faces of the end boards 4 and 5 are straight and have recesses 27 across their outer faces and inclined faces 28 at the bottoms of the recesses. The principal difference between the two constructions is in the method of mounting the covers to prevent lateral movement. The spring straps 14 are the same in both constructions.

In the practical operation, the covers are applied by placing one end in position with the other end elevated and then snapping the other end down, and the covers may be removed simply by disengaging one hook and raising that end.

One object of the cleats and recesses in the cleats is to get the spring straps and handles back from the faces of the cleats so that when two cases jam together it will not injure the straps and handles.

It is obvious that the recesses in the cleats may be omitted and that the spring straps may be secured to the cleats at the ends of the box and engage the cleats at the ends of the cover, instead of being as shown.

Various changes may be made in the details of construction without departing from the spirit of my invention as claimed.

I claim:

In a quick detachable cover construction for shipping cases and the like, a case having end boards provided with notches in their upper edges, cleats secured to the outer faces and upper parts of the end boards; said cleats having vertical recesses across their

outer faces and inclined faces at the bottoms of the recesses; a cover extending beyond the end boards and fitting in the notches, cleats secured to the lower face of the cover
5 against the outer faces of the end boards; there being vertical recesses in the cover cleats in line with the recesses in the case cleats; spring straps secured to the cover cleats in the recesses and adapted to extend
across the case cleats, hooks extending from 10 the lower ends of the spring straps under the case cleats, and handles extending from the inner ends of the hooks downwardly and outwardly; said handles being adapted to slide
downwardly over the inclined faces. 15

In testimony whereof I have signed my name to this specification.

HARLAN P. SWEET.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."