

J. KURZ.
BOX PROTECTOR.
APPLICATION FILED JAN. 29, 1912.

1,022,746.

Patented Apr. 9, 1912.

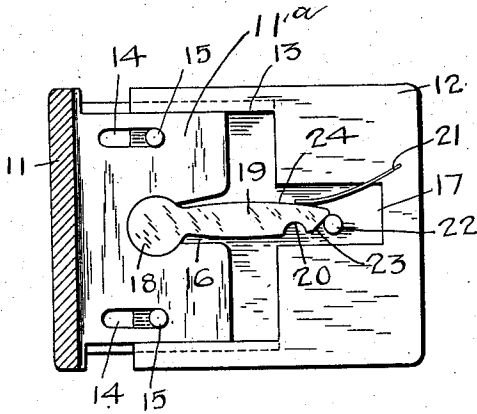


Fig. 2.

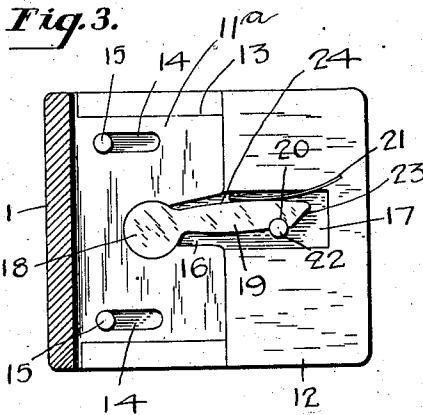


Fig. 3.

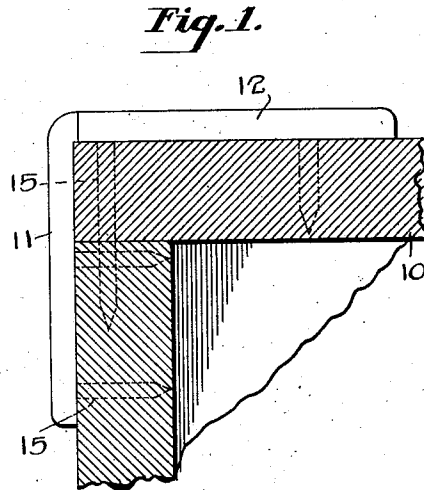
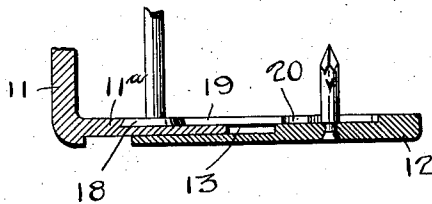


Fig. 1.

Fig. 4.



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BOX-PROTECTOR.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, JOSEPH KURZ, a subject of the Emperor of Austria-Hungary, residing in New York, in the county and State of New York, have invented certain new and useful Improvements in Box-Protectors, of which the following is a full, clear, and exact specification.

The object of the present invention is a protecting device specially intended for locking boxes or the like, in such a manner that any attempt to fraudulently open the box will be readily discovered.

The object of the present invention is an improvement in the box-protector forming the object of my co-pending application Serial No. 663,997 filed December 5, 1911.

A further object of my invention is to provide a box protector or lock, which when applied to a box holds the cover, bottom or sides of a box locked together in such a manner that it is absolutely impossible to remove one or the other and to fraudulently exchange the contents without detection by the purchaser.

Another object of the invention is to provide a clasp which effectually protects the edges of a box during the handling or transportation of the same.

After the application of my improved device to a box it will be absolutely impossible to open the same without destroying the box and the lock.

Other objects and advantages of my device will become apparent from the following description and it will be understood that changes in the specific structure shown and described may be made within the scope of the invention without departing from the spirit thereof.

In the drawing forming a part of this specification in which like numerals of reference indicate similar parts in the several views, Figure 1 shows the device in elevation, partly in section as applied to a box. Fig. 2 is a top plan view of the locking plates in their position before the locking is effected. Fig. 3 is a similar view of the locking plates in their locked position, and Fig. 4 is a section through the locking plates.

Referring now particularly to the drawing: 10 represents a box of any well known construction or form.

The box-protector or lock cheaply made of sheet metal or any other suitable material,

consist of two locking plates or members, one of which consists of a leaf 11, adapted to lie against the side of the box, and a leaf 11^a, at a right angle to the leaf 11, while the other member, 12, consisting of a flat plate, is provided with a suitable recess, the walls of which form guides 13, adapted to slidably receive leaf 11^a, of the first member. Said leaf 11^a, is provided with suitable slots 14, adapted to permit the passage of suitable fastening means, such as nails 15, as shown. At the inner edge of the leaf 11^a, a recess 16, is provided, of a form suitable for receiving the head 18, of a latch 19, which is loosely seated in said recess before applying the device to a box.

The latch 19, is provided in one edge near its free end with a substantially semicircular recess 20 in which is adapted to be engaged a locking pin 22, secured upon the plate 12, when the device is in locked position. To facilitate the locking action, the edge of the latch beyond the recess 20 is beveled as shown at 23. A spring 21, is secured at one of its ends to the plate 12, while its other free end engages the slightly curved back 24, of the latch 19, opposite to the recess 20, said spring being sufficiently strong to firmly press the latch into its locking position as shown in Fig. 3.

In use, the plate or member 12, is first secured to the box by driving suitable nails through said plate into the box lid, said nails passing through slots 14 of the leaf 11^a, which, with the latch 19, in the recess 16, has been in position partly overlapping the box lid. The leaf 11^a, is now moved inward until the latch has passed into the recess 17, and the locking pin 22, has engaged in the semicircular recess 20. After this suitable nails are driven through the leaf 11, into the side of the box when the parts will be firmly locked in position on the box.

From the foregoing it will be evident that an absolutely secure locking of a box is effected and that any intent to fraudulently open the box and remove or exchange goods therefrom is positively frustrated, the box can only be opened by destroying the lock or breaking the sides, cover or bottom thereof.

While the device is particularly adapted for wooden boxes of ordinary construction used principally for the shipment of goods of various description, it is apparent, that the device can also be effectively used for

locking boxes of any material into which nails may be readily driven.

Having thus described my invention what I claim is:

- 5 1. A device of the character described, comprising two members, one member consisting of a flat plate, and the other member consisting of two leaves at a right angle to each other, one of said leaves slidably engaging the flat plate, means for securing the
10 two members to the lid and side of a box, respectively, and a spring actuated latch for interlocking the flat plate and slidable leaf when secured to a box.
- 15 2. A device of the character described, comprising two members, one consisting of a flat plate provided with a guiding recess and with a central recess, the other member consisting of two leaves at a right angle to each
20 other, one of said leaves being seated slid-

ably in said guiding recess and provided with a recess in one edge, a latch having a head fitting pivotally in said edge recess and provided with a semicircular recess in one side, a locking pin upon the flat plate 25 adapted to engage in said semicircular recess of the latch when the parts are in their locked position, a spring secured to the flat plate engaging the back edge of a latch to positively secure its engagement with the 30 locking pin, and means for securing the two members to the lid and side of a box, respectively.

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

JOSEPH KURZ.

Witnesses:

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