

J. L. BURTON.
BOX.

APPLICATION FILED MAR. 22, 1911.

1,025,899.

Patented May 7, 1912.

2 SHEETS-SHEET 1.

Fig. 1.

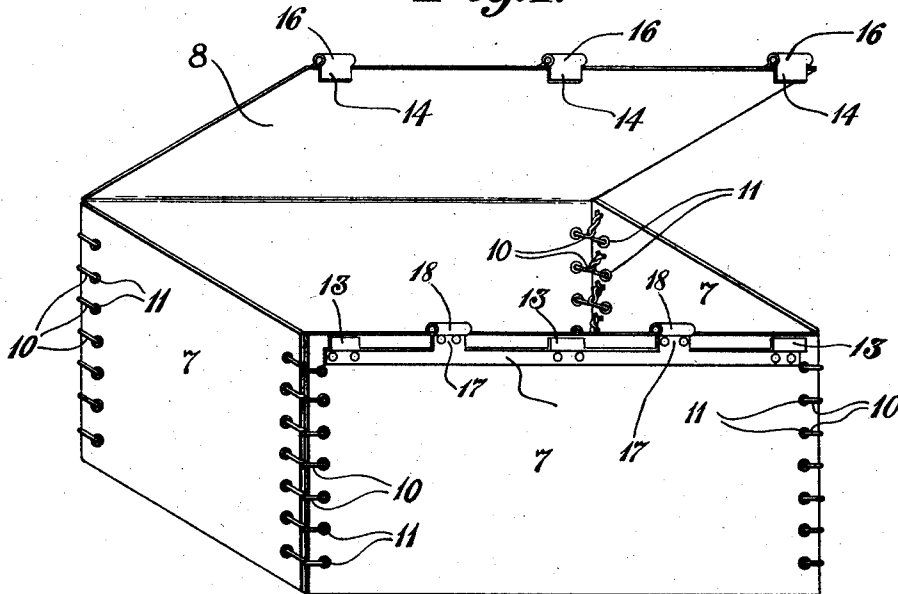


Fig. 2.

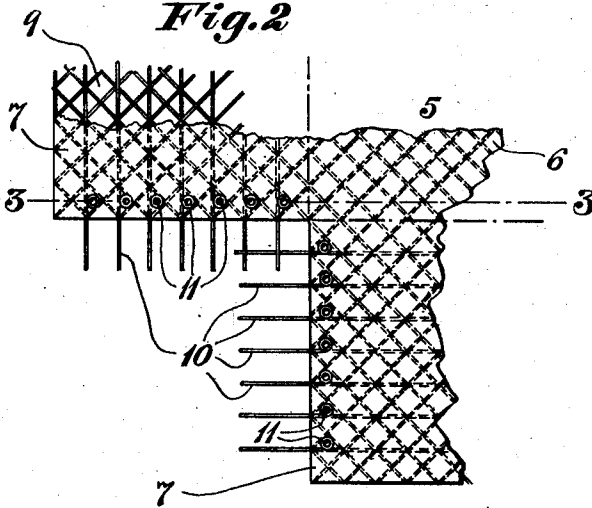


Fig. 3.

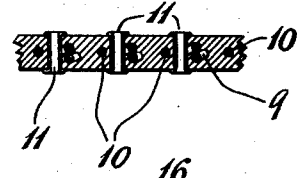
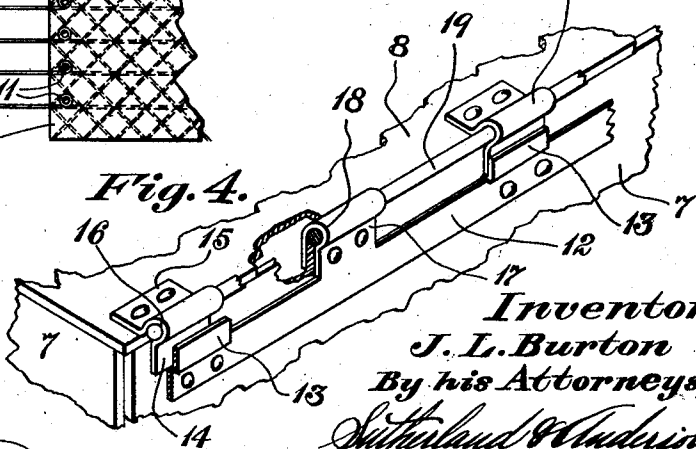


Fig. 4.



Witnesses:

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2 SHEETS—SHEET 2.

Fig. 5.

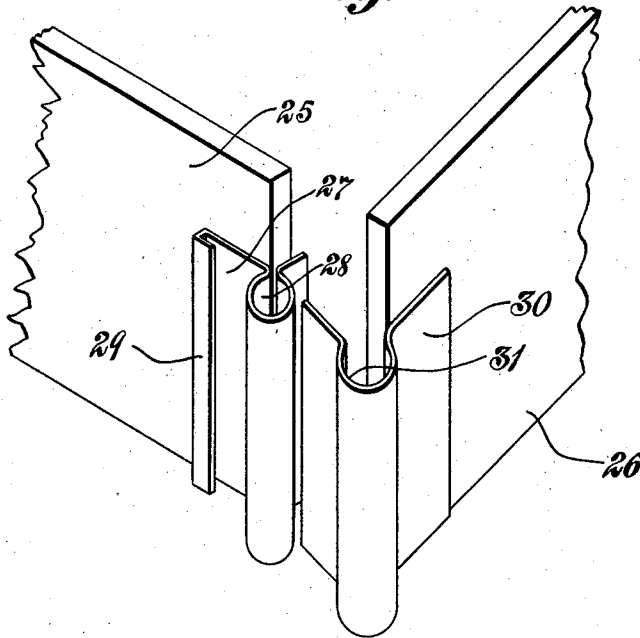
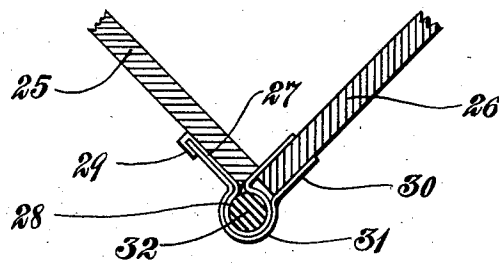


Fig. 6.



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UNITED STATES PATENT OFFICE.

JAMES L. BURTON, OF PLAINVILLE, CONNECTICUT, ASSIGNOR OF ONE-HALF TO FRANK A. CHAMPLIN, OF EAST LONG MEADOW, MASSACHUSETTS.

BOX.

1,025,899.

Specification of Letters Patent.

Patented May 7, 1912.

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To all whom it may concern:

Be it known that I, JAMES L. BURTON, a citizen of the United States, residing at Plainville, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Boxes, of which the following is a specification.

This invention relates to what I shall for convenience term a "box," the invention having been found in practice quite advantageous in this connection. Said invention, however, may be embodied in various receptacles for which reason I have adopted the term "box" as a generic one.

A box involving my invention has incorporated therein strands and these strands are used for strengthening the box or equivalent receptacle, and they are also utilized for maintaining the box in operative position. The strands may vary as to character, although wires have been found desirable in this respect, but, of course, I do not restrict myself in this direction.

In the drawings accompanying and forming part of the present specification I have shown in detail one convenient form of embodiment of the invention which to enable those skilled in the art to practice the invention will be set forth fully in the following description, while the novelty of the invention will be included in the claims succeeding said description.

Referring to said drawings: Figure 1 is a perspective view of a box involving my invention with the cover partially up. Fig. 2 is an elevation of part of a blank from which said box can be made. Fig. 3 is a section on the line 3—3 of Fig. 2. Fig. 4 is a perspective view of part of the box with a portion thereof removed and is primarily intended to show the fastening means. Fig. 5 is a perspective view of a modified form of fastening means, and, Fig. 6 is a section of the same.

Like characters refer to like parts throughout the several figures.

The shape and size of the box may vary greatly and will depend upon the use to which the same is to be put. The box is shown as being of substantially rectangular form, and may be made from the blank partly illustrated in Fig. 2. Said blank is denoted in a general way by 5 and comprises a main portion 6 and several wings 7 extending therefrom, the blank being prac-

tically cruciform. One wing will constitute the front of the box and the opposite wing the back, while the other two wings present the sides of the box. From the rear wing 7 or that which is to constitute the back of the box there will project a wing 8 which serves as the flap, cover or top of the box. The several wings 7 at their junction with the main portion or bottom 6 are scored so as to facilitate folding thereof, or this result might otherwise be obtained. The same procedure is followed with respect to the rear wing 7 and lid or cover 8. Owing to this the cover is hinged or flexibly connected to the body of the box to permit its opening or closing.

The material from which the box is made may vary. It may consist of paste board, pulp or some substance from which boxes or their equivalents are now usually made. I prefer to mold in the main portion or bottom 6 and also in the several wings 7 and 8 wire mesh 9. This materially strengthens the box and also affords protection against rodents. As an additional reinforcing means for the wings 7 I incorporate therein strands 10, running in the present case lengthwise or from side to side thereof. In addition to this the strands 10 which may advantageously consist of wires project from the side edges of said wings. The wire mesh 9 and the several strands 10 can be incorporated in the substance of the blank, while the same is in process of manufacture. The free ends or projecting portions of the strands or wires 10 are in the present case utilized for maintaining the box in operative relation or form and for this purpose said wings may have as shown, near their side edges holes as 11 which for strength are eyeleted.

It will be assumed that I have a blank such as shown in Fig. 2 and that it is desired to make a box therefrom. To do this the following procedure may be adopted: The wings 7 will first be bent up at right angles to the main portion or bottom 6, and they will be brought practically edge to edge after which the free portions of the strands 10 will be passed through appropriate eyelets 11 and then twisted together inside the box as shown in Fig. 1 whereby said box will be maintained in the desired shape. I might amplify this description a little more fully by referring to Fig. 2. I

will assume that the two wings 7 in this figure are bent up at right angles to the bottom 6 and that these two wings are edge to edge. The free portions of the lower series of strands 10 are passed through the eyelets of the wing 7 at the left in said Fig. 2, while the free portions of the strands of said wing at the left are passed through the eyelets on the lower wing after which said free portions are twisted together. The front of the box presented by the forward wing 7 and the lid or cover 8 have cooperating devices for holding said cover closed, and the devices shown for this purpose will now be set forth, although I do not restrict myself in this particular. As a matter of fact it is conceivable that no fastening means of any kind need be employed and even that a cover be not provided. The front 7 is shown having a longitudinally-extending, elongated strip 12 from the upper edge of which project the outwardly deflected tongues 13 constituting keepers, for yieldingly engaging tongues as 14 depending from the plates 15 fastened to the top of the top or cover 8 of the box. At the junctions of the bodies of the respective plates and tongues 14 there are formed eyes 16. The strip 12 in addition to the tongues 13 already referred to, also has one or more other tongues 17 which are bent around to engage over the upper edge of the front 7, the upper portions of said tongues 17 having eyes 18. The lid or cover 8 is adapted to close down upon the front 7 as shown in Fig. 4 at which time the eyes 16 will be alined with the eyes 18 for the purpose of removably receiving a key 19 which may, as illustrated, consist of an elongated rod or pin slidable through the several registering eyes and shown in operative position in said Fig. 4.

In Figs. 5 and 6 I have shown a modified form of fastening means, and in these figures it will be assumed that 25 represents the front of the box and 26 the lid or cover

thereof or the parts thus identified might be any other two relatively movable parts of such a device. The part 25 is shown having fastened thereto a plate 27 having at its upper outer or free end a resilient tube or eye 28. The plate has at its inner end or butt a flange 29. Attached to the plate 26 is a plate 30 of approximately L-form in cross section, there being a U-shaped or channeled portion 31 at the junctions of the two branches of said plate. When the part 26 is closed against the part 25 the U-shaped portion 31 fits over the tube 28, and the free branch of said plate 31 fits between the flange 29 and the body of the plate 27. When this relation is obtained the key 32 is introduced into the tube 28 thereby expanding the same against the U-shaped portion 31 and consequently pressing the free branch of the plate 31 against the flange 28.

What I claim is:

1. A box comprising a bottom, and wings combined with wire strands molded in the wings, extending from side to side thereof and outward beyond the sides, said strands being twisted together at the corners of the box.

2. A box comprising a bottom and wings, combined with wire strands molded in said wings, extending from side to side thereof and also projecting beyond the said sides, the wings having holes at the corners of the box through which the projecting portions of said wires extend, and said projecting portions being twisted together.

3. A box comprising a bottom provided with wings, combined with wire strands molded in the several wings, said strands extending from side to side of the wings and extending outward beyond said sides.

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

JAMES L. BURTON.

Witnesses:

LEAH L. MARKEL,

FREDERICK E. ANDERSON.