

L. A. NEGRAVAL.

BOX.

APPLICATION FILED MAY 8, 1914.

1,165,894.

Patented Dec. 28, 1915.

Fig. 1.

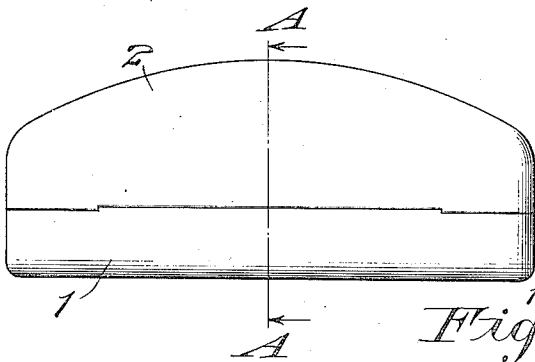


Fig. 2.

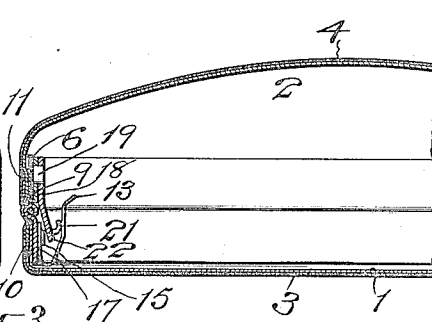


Fig. 3.

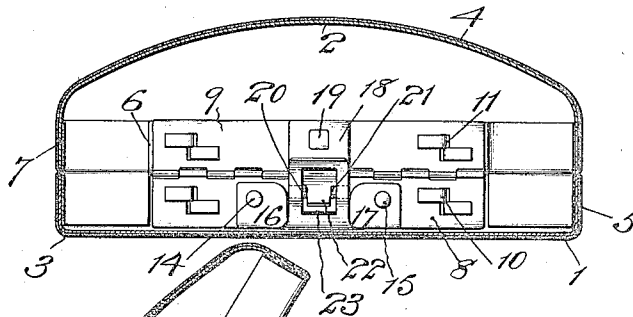


Fig. 5.

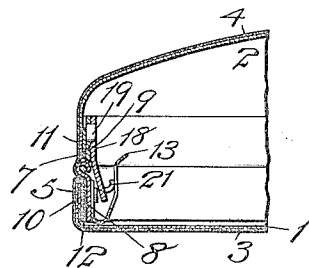
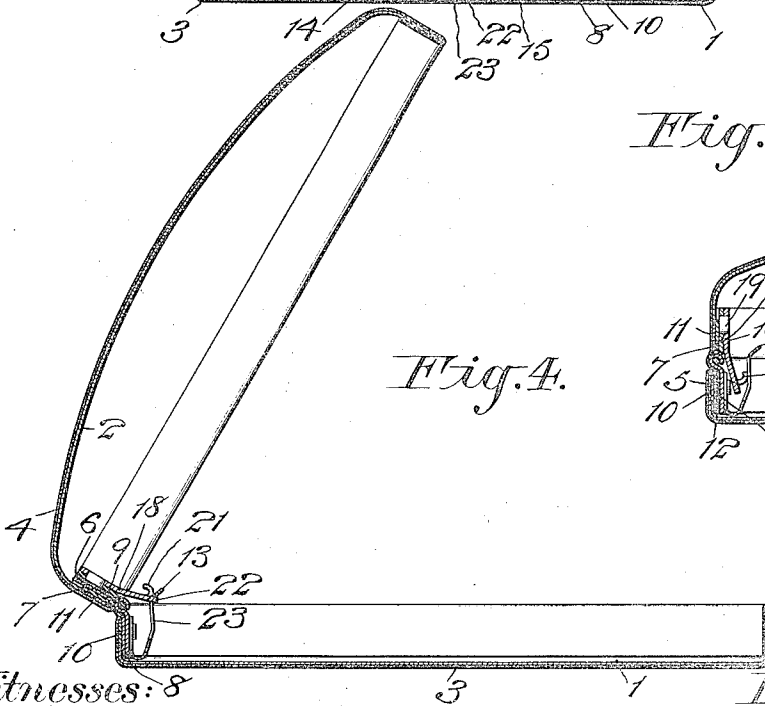


Fig. 4.



Witnesses: 8
Harry J. Fleischer
F. George Barry.

Inventor:
Louis A. Negraval
by attorney
M. W. Woodward

UNITED STATES PATENT OFFICE.

LOUIS A. NEGRAVAL, OF JERSEY CITY, NEW JERSEY, ASSIGNOR OF ONE-THIRD TO
ALBERT S. FRANK AND ONE-THIRD TO CHARLES S. GUTMANN, BOTH OF NEW
YORK, N. Y.

BOX.

1,165,894.

Specification of Letters Patent.

Patented Dec. 28, 1915.

Application filed May 8, 1914. Serial No. 837,221.

To all whom it may concern:

Be it known that I, LOUIS A. NEGRAVAL, a citizen of the United States, and resident of Jersey City, in the county of Hudson and State of New Jersey, have invented a new and useful Improvement in Boxes, of which the following is a specification.

My invention relates to an improvement in boxes with the object in view of providing a box having a hinge connecting the body and cover, said body and cover having separate coverings of a suitable material which is so arranged as to conceal the hinge between the body and cover.

A further object is to provide a box which will be completely covered, simple in construction and economical in the manufacture.

A practical embodiment of my invention is represented in the accompanying drawings, in which—

Figure 1 represents a rear elevation of a box having a body and cover hinged together and closed, illustrating my improved means of concealing the hinge at the joint formed thereby, Fig. 2 represents a central section taken in the plane of the line A—A of Fig. 1, Fig. 3 represents a transverse central section looking toward the rear, Fig. 4 represents a central section corresponding to Fig. 2 with the cover shown open, and Fig. 5 represents a detail central section corresponding to Fig. 2 of a modified form.

The body of the box is denoted by 1 and the cover by 2. The body and cover are provided with separate suitable coverings 3, 4, such as plush, velvet, linen or paper. The edges of the covering 3 on the body 1 are turned in and secured to the walls 5 in any well known and approved manner.

A portion of the covering 3 at the back is extended upwardly, as shown at 6, in Figs. 2, 3 and 4, and into the cover 2. The edges of the covering 4 on the cover 2 are turned in and secured to the rim 7.

The body and cover are hinged together by means of a hinge comprising two leaves 8, 9. The leaf 8 is secured to the rear wall of the body 1 by means of a metal strap 10, the ends of which are passed through slots in the rear wall 5 and leaf 8 and turned back upon the leaf in opposite directions, thus serving to hold the body and leaf firmly together. The leaf 9 of the hinge is secured to the cover 2 by means of a strap 11, the

ends of which pass through slots in the cover and leaf 9 and are turned back upon the said leaf in opposite directions.

The upwardly extended portion 6 of the covering 3 is so located between the leaf 9 and the rim 7 that the ends of the strap 11 will pass through the turned in edge of the covering 4 and the upwardly extending portion 6 of the covering 3, thereby firmly securing the parts together. Thus it will be seen that the upwardly extended portion 6, being securely fastened to the cover, hugs and conceals the highed portion of the leaves at the joint formed by the body and cover, whether the box is open or closed.

In the modified form shown in Fig. 5, the hinged portion of the leaves is concealed by a downwardly extended portion 12 of the covering 4, which portion is firmly secured between the turned in edge of the covering 3 and the leaf 8. The metal strap 10 passes through the rear wall of the body, the turned in edge of the covering 3, the downwardly extended portion 12, the leaf 8, and is turned back upon the leaf to firmly secure the parts together.

A spring 13 is held in position by rivets 14, 15, passing through ears 16, 17, formed integral with the spring and offset therefrom, and secured to the leaf 8 of the hinge. The spring 13 is offset for the purpose of receiving a spring engaging member 18, which is secured to the leaf 9 by a rivet 19, and provided with shoulders 20, 21, which, in the present instance, are shown as abutments, which are turned back from the body of the spring engaging member.

The spring engaging member 18 extends downwardly from the leaf 9, so that the shoulders will come into contact with the spring 13 and force it forwardly as the cover is opened or closed. The shoulders 20, 21, are so located that the spring will press them rearwardly at all times, thereby putting tension upon the cover so as to hold it either open or closed. When the cover is closed, as shown in Figs. 2, 3 and 5, the shoulders are below the hinge pintle, the spring thereby holding it closed. When the cover is open, as shown in Fig. 4, the shoulders are above the hinge pintle and the spring thereby holds it open.

A tongue 22 is formed between the shoulders 20, 21, and adapted to engage a slot 23 cut in the free end of the spring for limit-

ing the rearward movement of the cover, as clearly shown in Fig. 4.

While I have shown and described the means for concealing the hinge as applied to
5 a self-opening and closing box, I wish it to be understood that it may be applied to any box having a two member hinge thereon.

It is evident that slight changes might be resorted to in the form, construction and
10 arrangement of the several parts without departing from the spirit and scope of my invention: hence I do not wish to limit myself strictly to the structure herein set forth, but

15 What I claim is:—

1. A box having body and cover members, a hinge having a leaf secured to each of said members, a separate covering for each of said members, the covering for one of

said members passing between one leaf of 20 the hinge and the opposite member for concealing the hinge.

2. A box having body and cover members, a hinge having a leaf secured to each of said members, a separate covering for each 25 of said members, a portion of the covering for the body member passing between the cover member and its hinge leaf for concealing the hinge.

In testimony, that I claim the foregoing 30 as my invention, I have signed my name in presence of two witnesses, this sixth day of May, 1914.

LOUIS A. NEGRAVAL.

Witnesses:

F. GEORGE BARRY,
C. S. SUNDGREN.