H. B. WALTER.

SEALING MEANS FOR BOXES.

APPLICATION FILED JAN. 27, 1911.

1,140,927. Patented May 25, 1915.

Fig. 1.

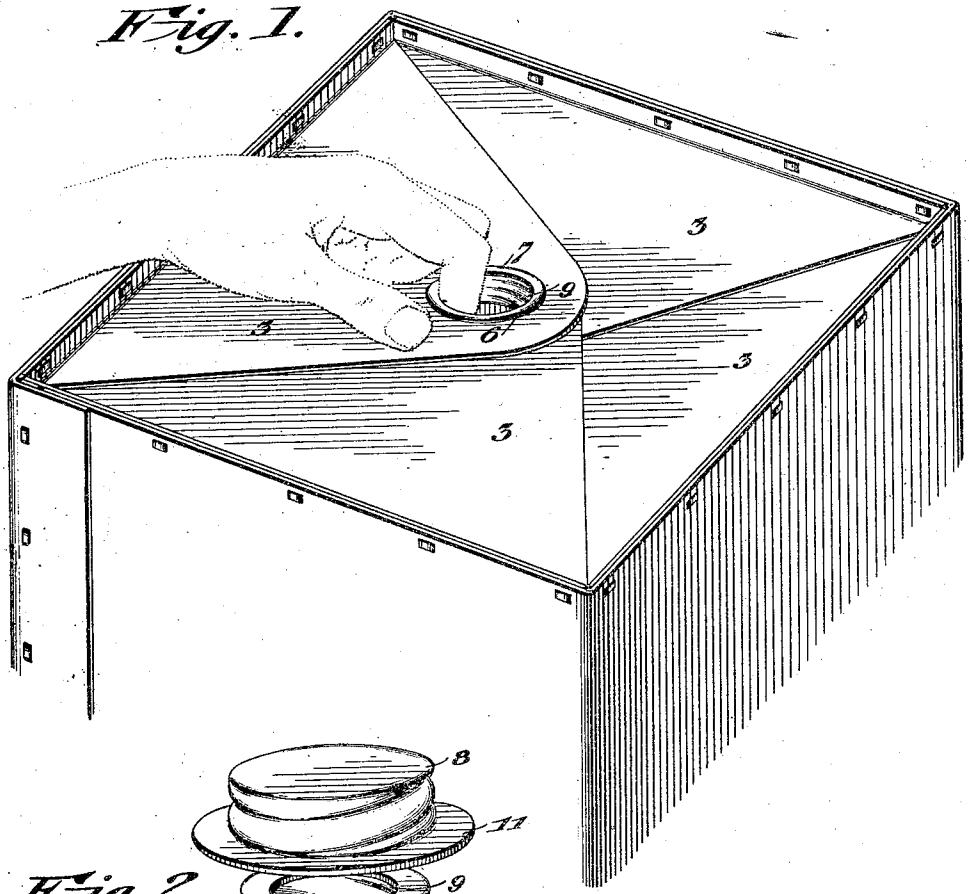


Fig. 2.

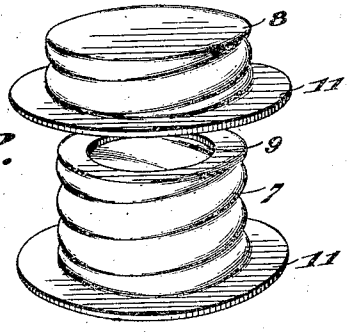
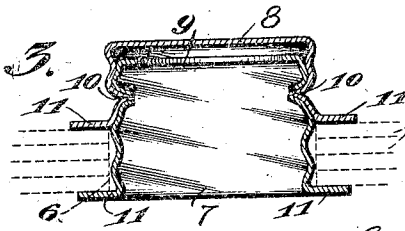


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

HARRISON B. WALTER, OF DANVILLE, ILLINOIS, ASSIGNOR TO NATIONAL FIBRE BOX COMPANY, OF DANVILLE, ILLINOIS, A CORPORATION OF ILLINOIS.

SEALING MEANS FOR BOXES.

1,140,927. Specification of Letters Patent. Patented May 25, 1915.

Application filed January 27, 1911. Serial No. 605,070.

To all whom it may concern:

Be it known that I, HARRISON B. WALTER, a citizen of the United States, residing at Danville, in the county of Vermilion and State of Illinois, have invented certain new and useful Improvements in Sealing Means for Boxes, of which the following is a specification.

My invention relates to an improvement in sealing means for boxes, and the like, in which overlapping flaps or similar devices are to be permanently fastened together by mechanical means, thus dispensing with the use of glue or other adhesive substance.

The present application, while presenting an improvement on Letters Patent No. 915,394, granted to me, March 16, 1909, is, at the same time, a divisional part of application Serial No. 538,777, filed in the U. S. Patent Office January 18, 1910, granted February 14, 1911, No. 984,404.

It is an object of my present invention to provide a fastening for a box which it is impossible to open without destroying a portion of the box, thereby defacing the package so that the opening of the same is readily detected.

In the accompanying drawings:—Figure 1 is a perspective view showing the end of a box with my improvement applied, Fig. 2 is a view in perspective of the members of the metal seal, showing them slightly separated, and Fig. 3 is a section through the metal seal showing a manner in which its members may be permanently fastened together.

The seal comprises two sheet metal screw-threaded caps 7 and 8, the inner cap of which has an open top 9 to facilitate inserting it through the orifices 6, 6, in the flaps 3, 3, of the box or other object to be fastened together. The fact that the inner member has an open top 9 affords a means for inserting the finger therethrough to pull the inner member or cap in position in the orifice in the flaps, as indicated in Fig. 1, which could not be done conveniently if the member were made solid. After being thus inserted and the parts assembled, the outer cap 8 is screwed on the inner cap and punched through, as at 10, by means of a tool provided especially for the purpose, to prevent the caps being subsequently unscrewed, thus forming a permanent seal at each end of the box—if applied to a box—or for holding flaps or other means securely fastened together so that they cannot be separated without destroying the entire closure. The out-turned flanges 11, 11, bear upon the upper and lower surfaces of the members held between them, as indicated in dotted lines in Fig. 3, thus clamping them securely together. In this way, a simple and effectual means for quickly fastening and permanently sealing the parts is provided.

It is evident that slight changes might be made in the form and arrangement of the several parts described without departure from the spirit and scope of my invention, and hence I do not wish to be limited to the exact construction herein set forth, but:—

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

1. The combination with a box provided with a plurality of overlapping flaps for closing the box, said flaps having superposed orifices therein, of a seal comprising two hollow caps having spiral corrugations forming screw threads, one of said caps having a flange at one end and an opening at the opposite end, said flanged cap constructed and adapted to be removably inserted through the superposed orifices with the flange within the box by inserting a finger through the opening at the outer end of the cap, said corrugations engaging the edges of the flaps and locking the flaps to the cap, and the other cap screwed on the protruding end of the flanged cap for fastening the flaps together.

2. The combination with a box provided with a plurality of overlapping flaps for closing the box, said flaps having superposed orifices therein, of a seal comprising two hollow caps having spiral corrugations forming screw threads, one of said caps having a flange at one end and an opening at the opposite end, the flange adapted to engage the inner surface of the innermost flap, said corrugations engaging the edges of the flaps and locking the flaps to the cap, and the other cap screwed onto the protruding end of the flanged cap for fastening the flaps together between the caps.

3. The combination with a box provided with a plurality of overlapping flaps for

closing the box, said flaps having superposed orifices therein, of a seal comprising two hollow caps having spiral corrugations forming screw-threads, one of said caps having a flange at one end and an opening at the opposite end, the flange adapted to engage the inner surface of the innermost flap, said corrugations engaging the edges of the flaps and locking the flaps to the cap, and the other cap screwed onto the protruding end of the flanged cap for fastening the flaps together between the caps, said caps punched through the side when together to prevent their being disconnected.

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

HARRISON B. WALTER.

Witnesses:

CLARIBEL BULLOCK,

JOS. W. MEITZLER.