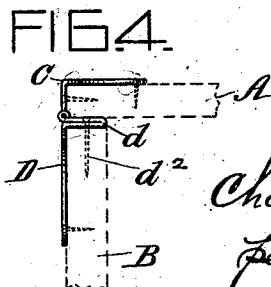
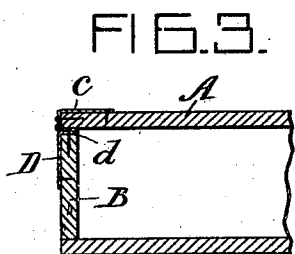
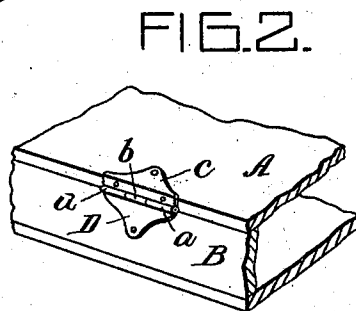
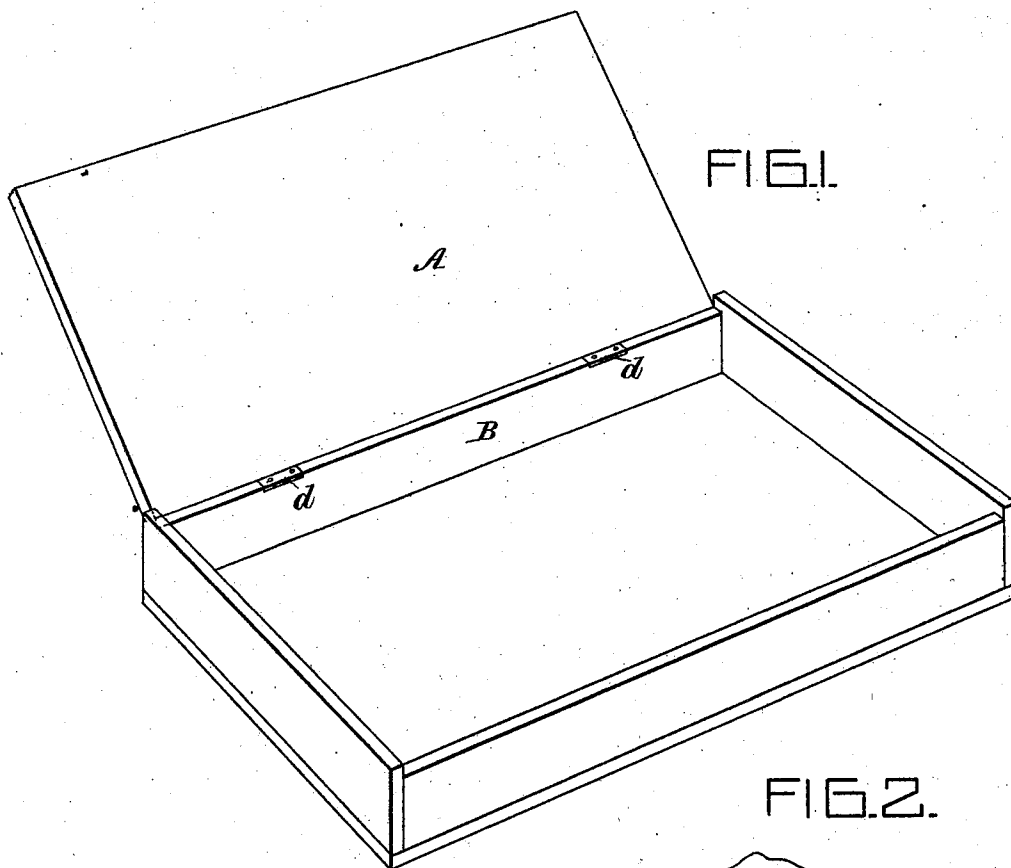


(No Model.)

C. F. HOFFRITZ.
HINGE.

No. 504,162.

Patented Aug. 29, 1893.



Witnesses:
W. C. Jirdinston.
Harry T. Koking.

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UNITED STATES PATENT OFFICE.

CHARLES F. HOFFRITZ, OF DAYTON, OHIO.

HINGE.

SPECIFICATION forming part of Letters Patent No. 504,162, dated August 29, 1893.

Application filed March 27, 1893. Serial No. 467,697. (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. HOFFRITZ, a citizen of the United States, residing at Dayton, Montgomery county, State of Ohio, have
5 invented certain new and useful Improvements in Hinges, of which the following is a specification, reference being had to the accompanying drawings.

The object and nature of my invention will
10 be fully apparent from the detailed description hereinafter set forth.

In the accompanying drawings: Figure 1, is a perspective view of a box provided with my improved hinge, the lid being shown
15 opened. Fig. 2, is a rear perspective view of my improved hinge attached to a box, the latter being partially broken away. Fig. 3, is a transverse section through the hinge and box shown in Fig. 2, on a slightly enlarged scale.
20 Fig. 4, is an end view of my improved hinge,—the dotted lines indicating the position of the back-strip and lid of a box; in this figure the hinge is shown enlarged over preceding figures.

25 My improved hinge is more especially designed for use in connection with cigar boxes, but may be used in any other connection where applicable.

In the drawings, A represents the lid of a
30 box, and B the rear or back-strip thereof, between which portions my improved hinge acts as a connection.

My improved hinge consists of two leaves, C and D, of suitable sheet-metal, the connecting portions of said leaves being bent to form
35 the tubular bearings *a* and *b*, through which the retaining pin passes, in the usual man-

ner. The leaf, C, is angular shaped, in the usual manner, and is nailed to the edge of the lid, as shown. The leaf D, (to which my invention pertains) is formed with the inturned
40 angular portion, *d*, through which the retaining nails, *d*², are passed into the top edge of the back-strip, B, as shown. This angular portion, *d*, of leaf, D, is preferably formed by
45 bending the metal upon itself forming a double thickness, as more clearly shown in Figs. 3 and 4. The leaf which is attached to the back-strip of the box has, heretofore, been
50 formed of a straight flat piece of metal, which necessitated driving the nails transversely through said strip and clinching them on the inner surface, which latter operation consumes time; and, in the construction of many
55 thousand cigar boxes, much time is consumed in this operation.

My improved hinge, with the angular portion *d* on leaf D, provides for driving the main retaining nails into the edge of the material both of the lid and the body of the box; and,
60 by this means, I am enabled to secure the hinges thereto much more efficiently and quickly than has heretofore been done, thus lessening the cost of manufacturing said boxes.

What I claim as new, and desire to secure
65 by Letters Patent, is—

A hinge consisting of the two leaves C and D, the latter having an inturned angular portion, *d*, formed by bending the metal upon itself, substantially as set forth.

CHARLES F. HOFFRITZ.

Witnesses:

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