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 PACKAGE OR HOLDER FOR SHIPMENT OF TIN PLATE OR OTHER THIN METAL SHEETS.
 APPLICATION FILED NOV. 11, 1907.

921,742.

Patented May 18, 1909.

Fig. 1

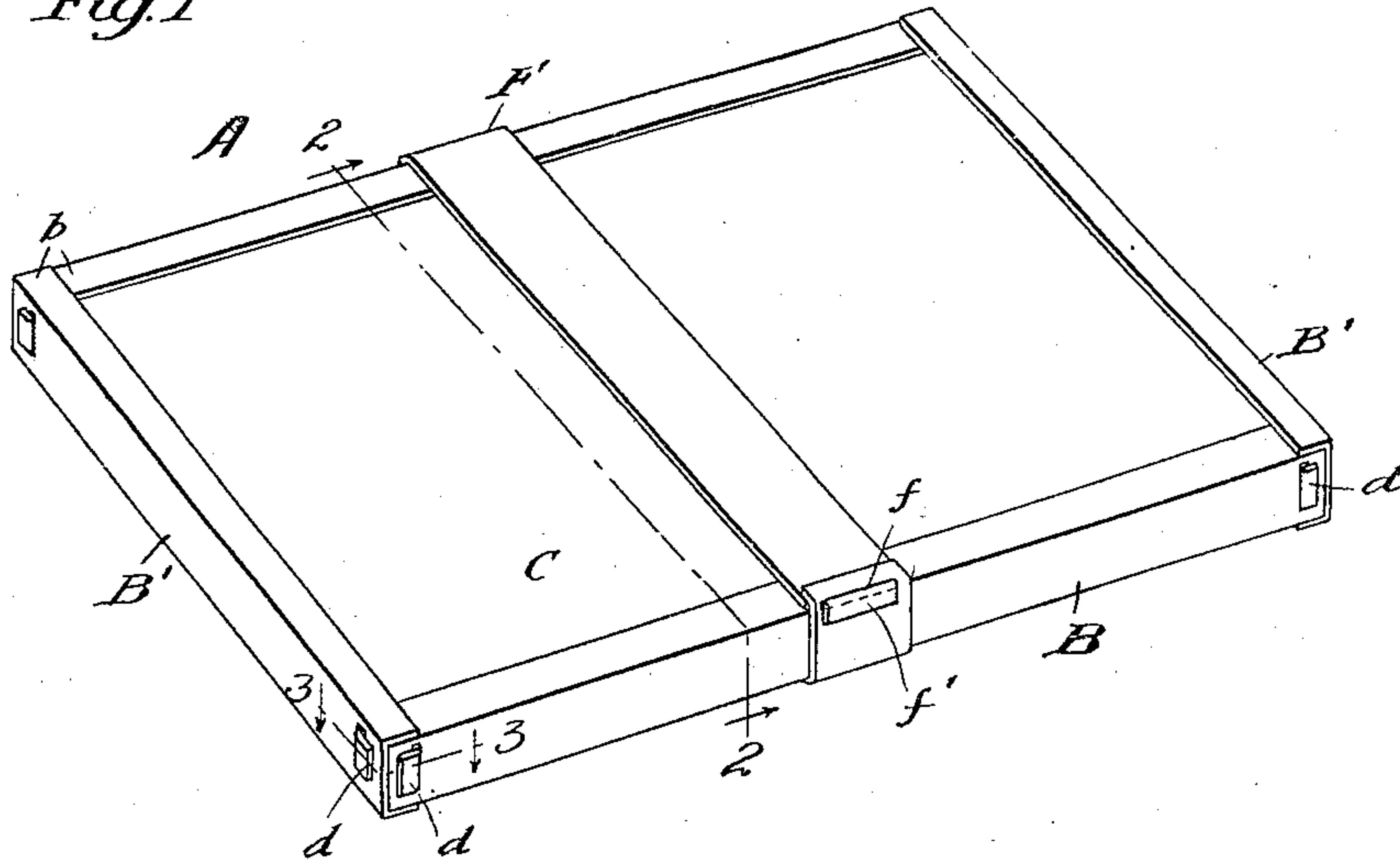


Fig. 2

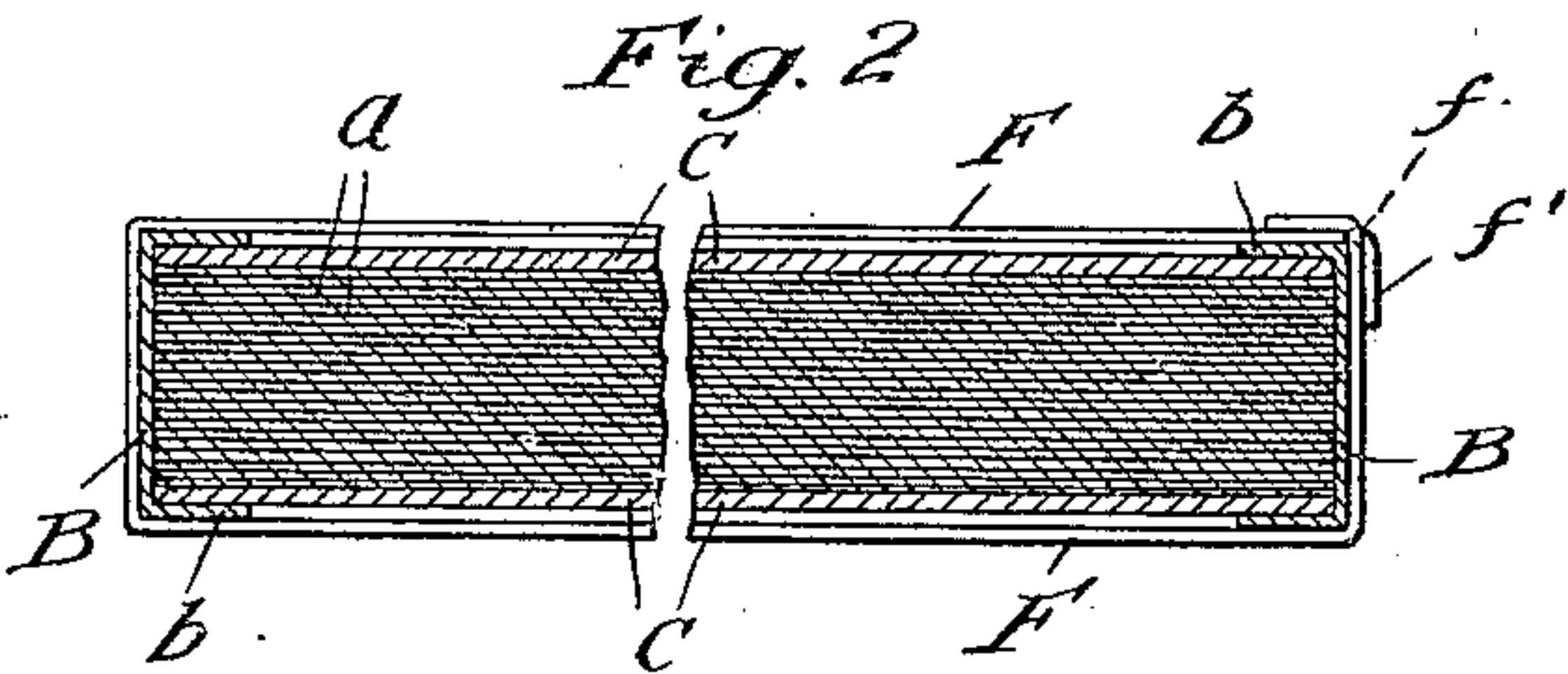


Fig. 3

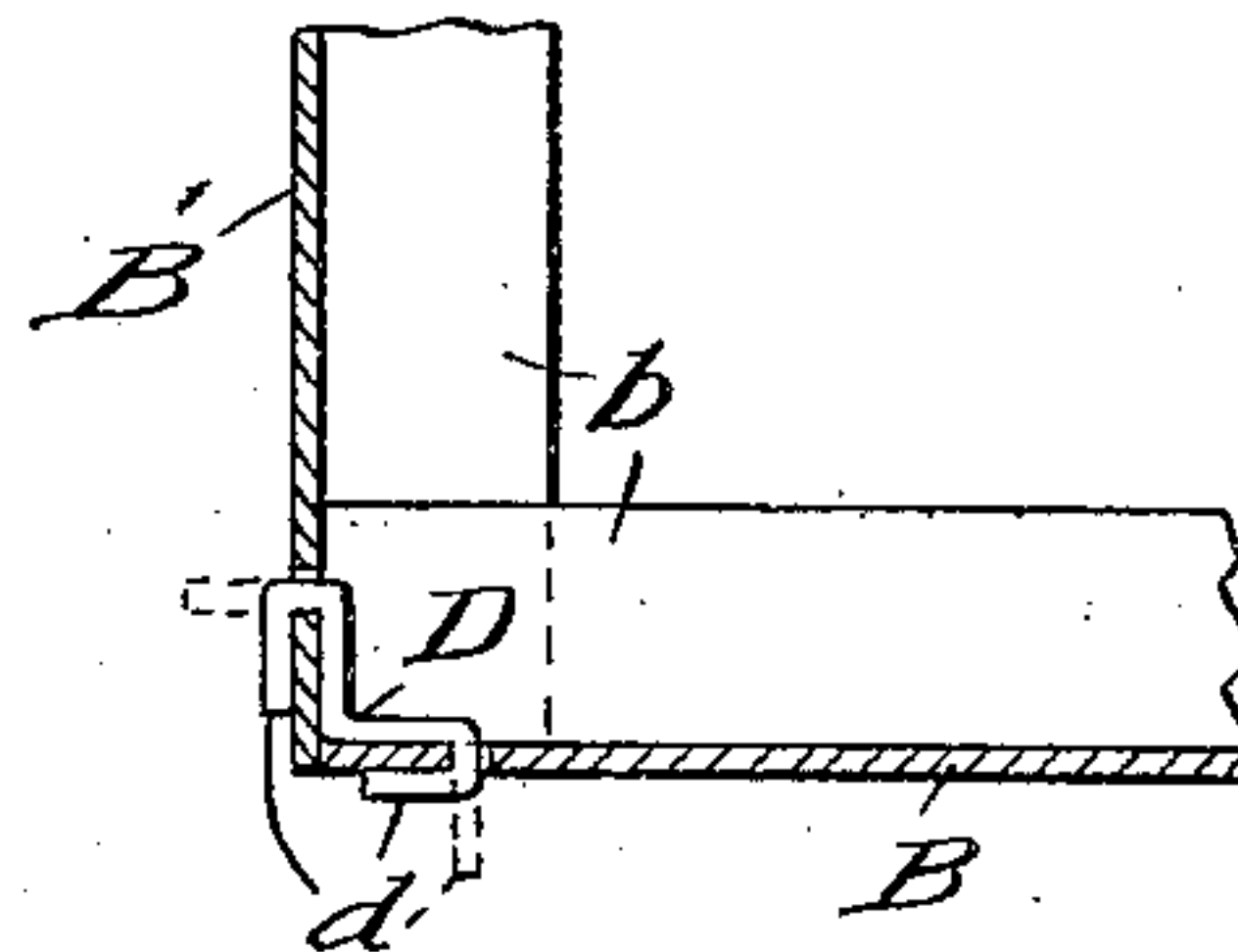


Fig. 4

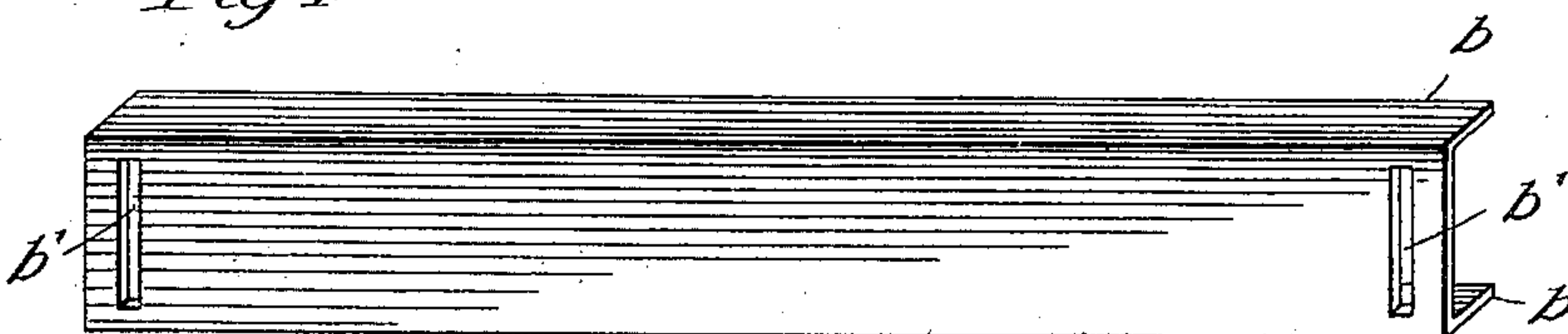


Fig. 6

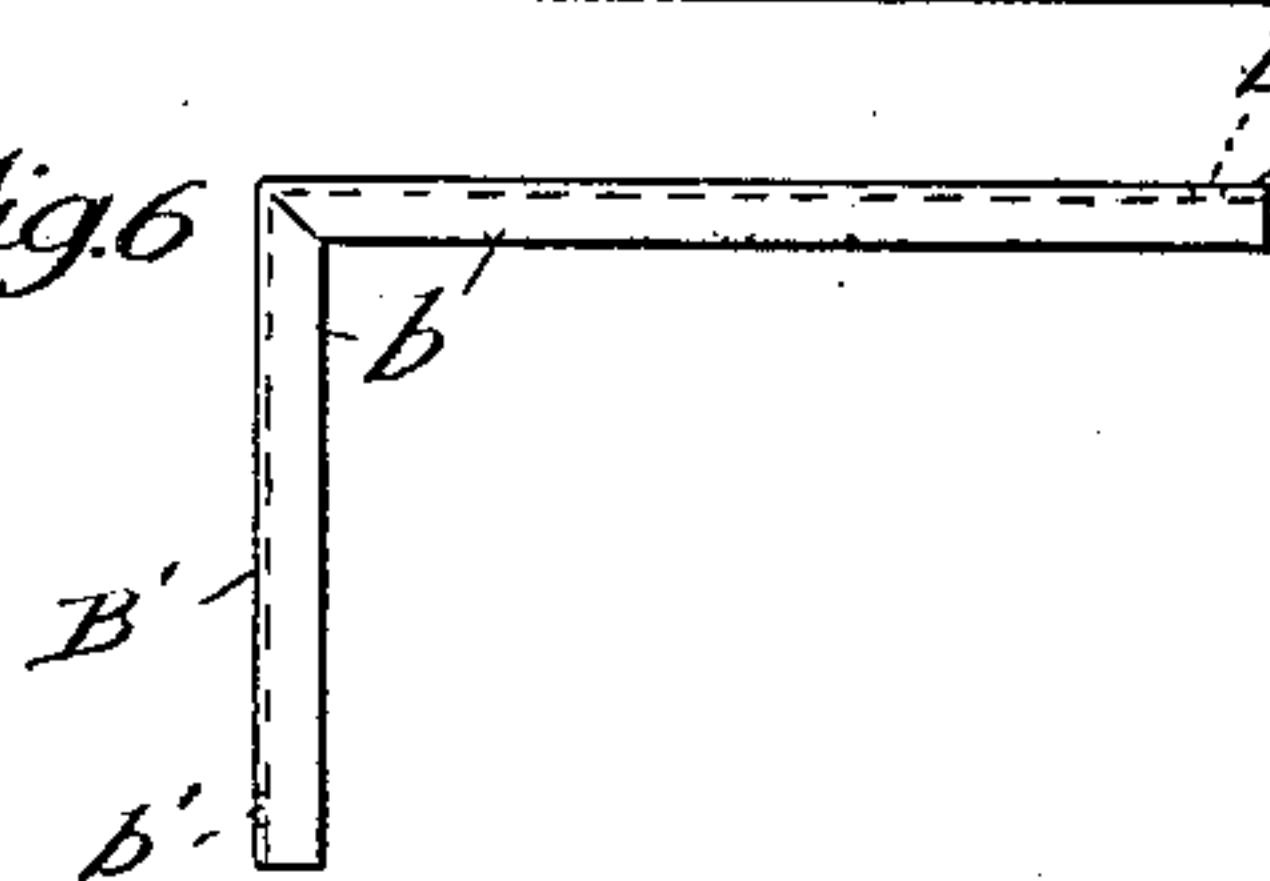


Fig. 7

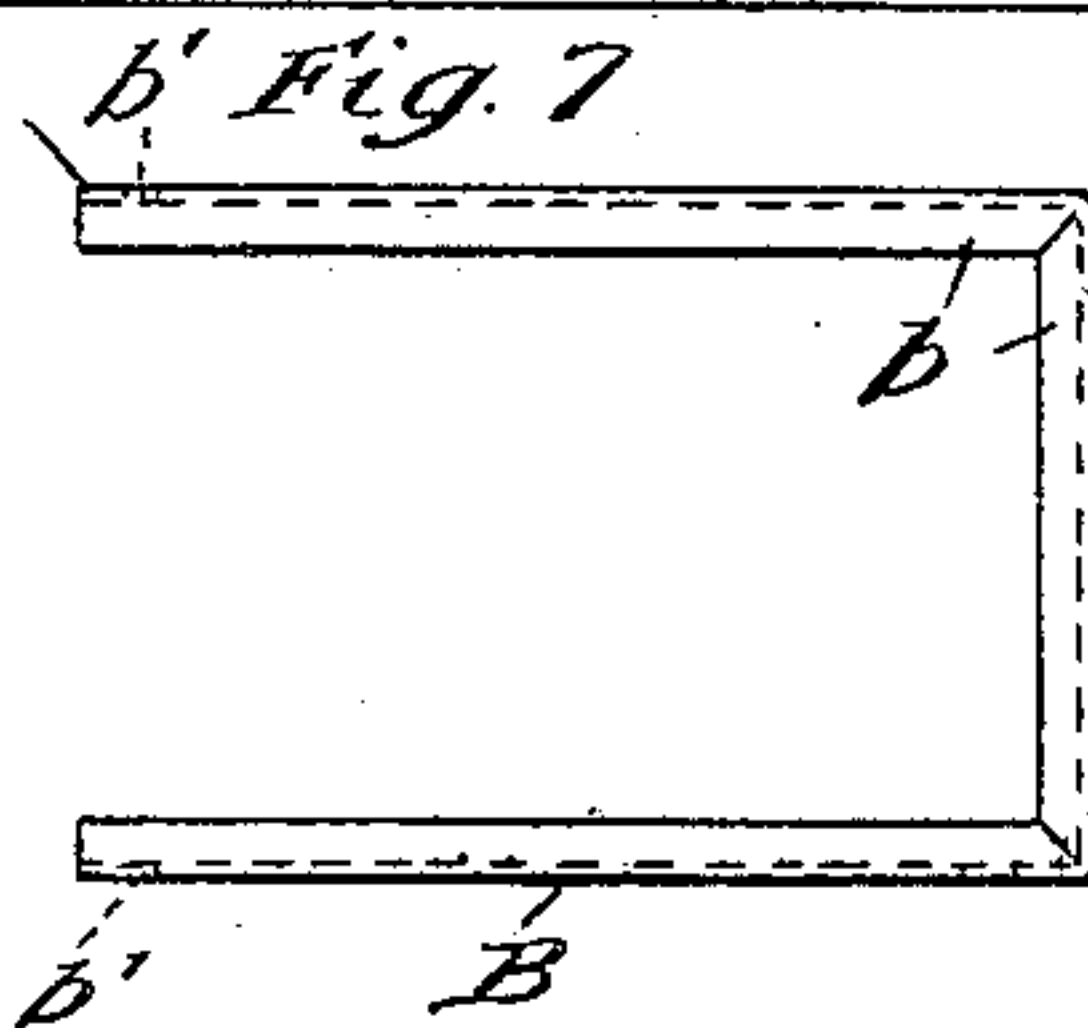
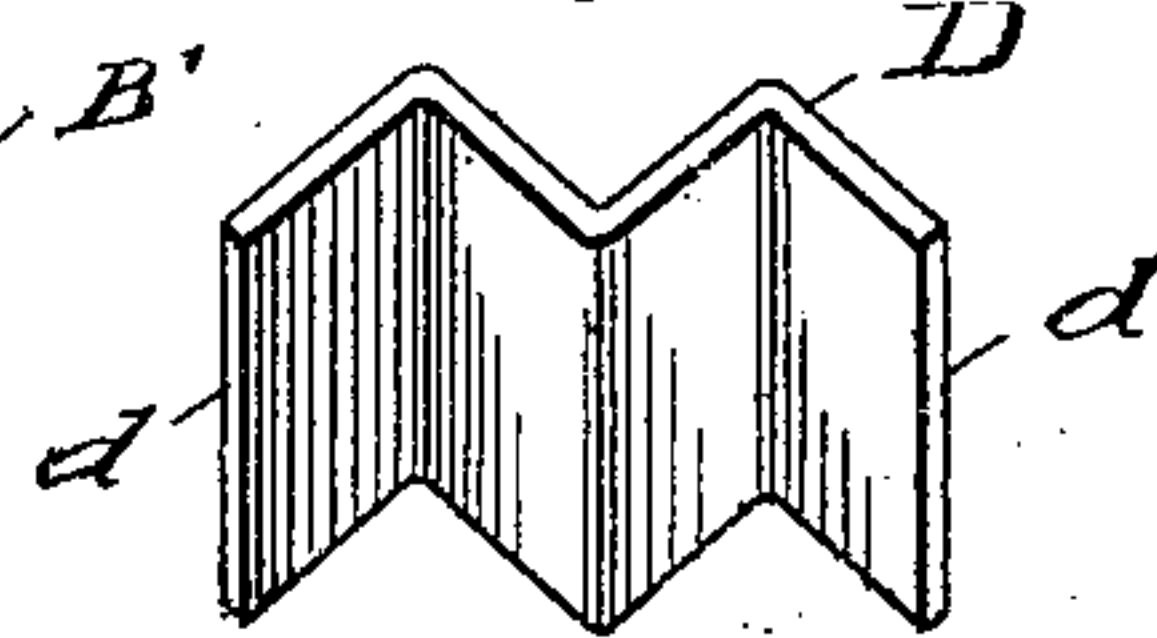


Fig. 5



Witnesses:

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UNITED STATES PATENT OFFICE.

FRANKLIN RUDOLPH AND EDWARD W. CARNES, OF CHICAGO, ILLINOIS, ASSIGNORS TO
AMERICAN CAN COMPANY, OF NEW YORK, N. Y., A CORPORATION OF NEW JERSEY.

PACKAGE OR HOLDER FOR SHIPMENT OF TIN-PLATE OR OTHER THIN METAL SHEETS.

No. 921,742.

Specification of Letters Patent.

Patented May 18, 1909.

Application filed November 11, 1907. Serial No. 401,541.

To all whom it may concern:

Be it known that we, FRANKLIN RUDOLPH and EDWARD W. CARNES, citizens of the United States, residing in Chicago, in the county of Cook and State of Illinois, have invented a new and useful Improvement in Packages or Holders for Shipment of Tin-Plate or other Thin Metal Sheets, of which the following is a specification.

Our invention relates to improvements in shipping packages or holders for tin plate.

The object of our invention is to provide a package or holder for shipment of tin plate in the customary sized packages or bundles, of say about 100 pounds weight and 112 sheets, which will be of a strong, simple and durable construction; which may be readily and conveniently applied; which will efficiently bind the numerous thin sheets of the package together so that they will mutually reinforce and strengthen each other as well as the package or holder itself; which will effectively protect the corners and edges of the sheets in the package from denting, bending or other injury; which will properly protect the outer surfaces of the upper and lower sheets from wet, dirt, scratching or other injury; and which at the same time will be a returnable package or holder and capable of being used over and over again.

Our invention consists in a shipping holder for piles or packages of tin plate, comprising a plurality of flanged or channeled binding strips of heavy sheet metal, preferably galvanized sheet steel, or other suitable metal, fitting over and embracing the edges of the pile or package of tin plate sheets, and provided with interengaging fastening devices at their meeting ends at the corners of the package, the fastening devices consisting of right-angle or corner pieces, with bent ends which are inserted through slots in the channel binding strip at their meeting ends, the fastening devices or corner pieces thus materially reinforce the corner of the shipping package or holder, while at the same time serving as a very simple means for detachably securing the channeled or flanged binding strips together at their meeting ends. To protect the outer faces of the upper and lower tin plate sheets of the shipping unit or package from wet, tarnishing, marring or other injury, we employ upper and lower protect-

ing sheets of water-proofed paper, paper-board, wood veneer, thin iron sheets, or other suitable material. To further strengthen the package or holder, especially at the middle of the side channel strips, we provide an intermediate sheet metal binding strip having detachable fastening devices at the meeting ends thereof.

In the accompanying drawing, forming a part of this specification, Figure 1 is a perspective view of a tin plate shipping package or holder embodying our invention; Fig. 2 is a vertical section on line 2—2 of Fig. 1; Fig. 3 is a detail horizontal section on line 3—3 of Fig. 1; Fig. 4 is a perspective view of one of the channel binding strips; Fig. 5 is a perspective of one of the corner piece or fastening devices for the meeting ends of the channel binding strips; Fig. 6 is a perspective view showing a modification in which two of the channel binding strips are made integral with each other; and Fig. 7 is a similar view in which three of the channel binding strips are made integral with each other.

In the drawing A represents a shipping unit or package of tin plate or other thin sheet metal, ordinarily of about 100 pounds weight, and comprising about 112 sheets *a* of say 14 by 20 inches, or other customary dimensions. Our holder for the shipping unit or package A of sheets *a*, comprises a plurality of flanged or channeled side and end binding strips B, B¹, the flanges *b* of which overlap and embrace the upper and lower edges of the shipping unit or package A at the sides and ends of the packages.

C C are the upper and lower protecting sheets for the shipping unit or package A of sheets *a*, and D are the right angle corner pieces or fastening devices for detachably securing the meeting ends of the channel strips B together at the corners of the package and for reinforcing the holder at the corners, and F is the intermediate binding strip.

The channeled binding strips B for the sides of the package and B¹ for the ends thereof, are preferably all of the same construction, and each is furnished at each end with a slot *b*¹ through which the bent ends *d* of the corner piece D is inserted and then folded or clenched down, as illustrated in the drawing, so as to securely connect the channel binding strips B together. The corner fas-

tening pieces D fit inside the channel binding strips B and B¹, and serve not only to detachably secure the channel binding strips together but also to materially strengthen 5 and reinforce the corner of the package or holder. The intermediate binding strip F is preferably of sheet metal, and it is furnished at one end with a slot *f* and at its opposite end with a tongue *f*¹ which is inserted 10 through the slot and bent or clenched down so as to securely connect the meeting ends of this intermediate binding strip.

In the modification illustrated in Fig. 6 two of the channeled binding strips B B¹ are 15 illustrated as being in one piece; and in the modification illustrated in Fig. 7 three of the channeled binding strips are shown as being integral with each other. We prefer however to employ a separate binding strip 20 for each side or end of the package.

We claim:

1. A holder for shipment of tin plate or other thin metal sheets, comprising a plurality of channeled binding strips furnished

with slots and fitting one within the other 25 at their meeting ends, and a plurality of upright angular corner pieces fitting inside said binding strips and having bent ends inserted through said slots, substantially as 30 specified.

2. A holder for shipment of tin plate or other thin metal sheets, consisting in the combination with a plurality of channel binding strips, the flanges of one of said binding strips fitting within the flanges of 35 the other at their meeting ends of a plurality of upright angular corner pieces fitting inside said binding strips for securing the channel binding strips together at their 40 meeting ends, said corner pieces and channel binding strips having interengaging slots and tongues, substantially as specified.

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