

959,940.

D. E. HUNTER.
CORNER JOINT.
APPLICATION FILED SEPT. 7, 1909.

Patented May 31, 1910.

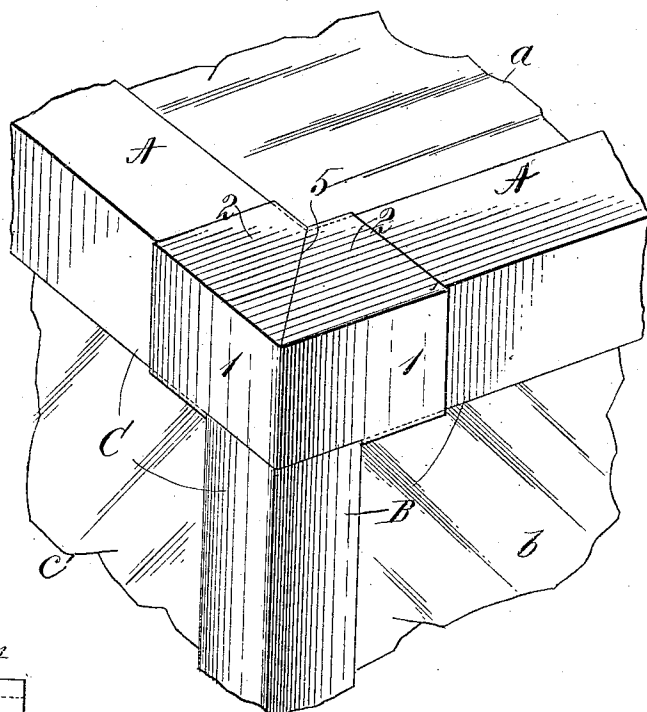


Fig. 1.

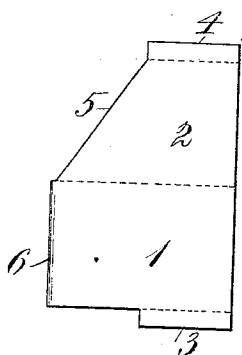


Fig. 2.

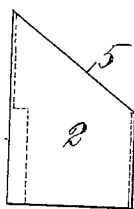


Fig. 3.

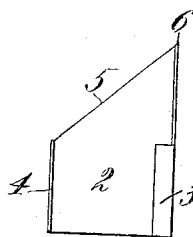


Fig. 4.

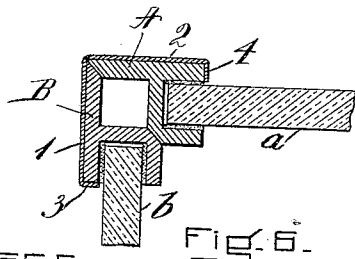


Fig. 5.

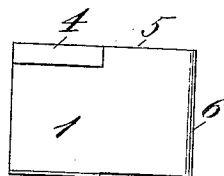


Fig. 6.

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UNITED STATES PATENT OFFICE.

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CORNER-JOINT.

959,940.

Specification of Letters Patent.

Patented May 31, 1910.

Application filed September 7, 1909. Serial No. 516,531.

To all whom it may concern:

Be it known that I, DAVID E. HUNTER, a citizen of the United States, and resident of Cambridge, in the county of Middlesex and State of Massachusetts, have invented new and useful Improvements in Corner-Joints, of which the following is a specification.

This invention relates to a mitered corner clip for securing together at their corners juxtaposed frames in cabinets and similar structures.

In the accompanying drawings which illustrate one embodiment of my improved corner clip,—Figure 1 is a perspective view of the corner of a cabinet or case showing a pair of the clips in operative position; Fig. 2 is a plan of a blank adapted to be fashioned into one of my improved corner clips; Fig. 3 is a top view of one of said clips; Fig. 4 is a bottom view of one of said clips; Fig. 5 is a rear view of one of said clips; and Fig. 6 is a vertical section of the clip showing the manner in which it engages a pair of frames, as illustrated in Fig. 1.

For the purpose of illustration I have shown in Fig. 1 one of the upper corners of a cabinet or case such as a museum case wherein three panel frames A, B and C meet, said panel frames being secured respectively to the panels *a*, *b* and *c*, which may be of glass or other suitable material. The panel frames B and C are each secured to the panel frame A by means of one of the clips, and consequently the panel frames B and C will be secured together through the medium of the panel frame A. Each clip consists of a single piece of resilient sheet metal stamped out in the form shown in Fig. 2 and thereafter bent along the dotted lines into the form shown in the other figures. This blank comprises the rectangular plate or part 1, the trapezoidal plate or part 2, the longer parallel side of which is connected with part 1, and the lips 3 and 4. The parts 1 and 2 are bent to angular relation with each other similar to the angular relation between the two panel frames to be clamped, together, herein shown as a right angle, and the lips 3 and 4 are inwardly turned to engage the edges of the panel frames, as best shown in Fig. 6. The rectangular part 1 overlies one of the frames to be joined by the clip as, for example, frame B or C, extending completely to the end thereof, and the trape-

zoidal part 2 overlies the other frame to be clamped, as the frame A, the diagonal or mitered edge 5 thereof extending from the inner to the outer corner of said frame A. The lips 3 and 4 respectively engage the horizontal members of the frames B or C, as the case may be, and the frame A, the lip 3 closely abutting at its end against the vertical member of the frame B or C as the case may be. Thus a pair of said clips applied to the corner frames as shown in Fig. 1 will wholly incase a cabinet corner, furnishing a strong fastening means for the several frames converging at said corner and at the same time presenting an elegant finish and appearance, the mitered edges 5 of the two clips abutting close together, and the free outer ends of the rectangular parts 1 making joint with each other, being beveled or mitered for that purpose as shown at 6. The clips being made of resilient metal may be bent and formed in the shape finally desired, and then sprung into position on the frames as shown in Fig. 1.

I claim:

1. The combination with the corner of two juxtaposed frames arranged in angular relation to each other, of a corner clip consisting of a rectangular plate and a trapezoidal plate in angular relation to each other similar to that between the two frames, and intumed tongues on the opposite free edges of said plates adapted to engage and hold said juxtaposed frames.

2. The combination with the corner of two juxtaposed frames arranged in angular relation to each other, of a corner clip made of a single piece of resilient sheet metal having a rectangular part and a trapezoidal part bent into angular relation to each other similar to that between the two frames, and inwardly bent tongues on the opposite edges of said parts adapted to engage and hold said juxtaposed frames.

3. The combination with the corner of two juxtaposed frames arranged in angular relation to each other, of a corner clip made of a single piece of resilient sheet metal having a rectangular part and a trapezoidal part bent into angular relation to each other similar to that between the two frames, and inwardly bent tongues on the opposite edges of said parts adapted to engage and hold said juxtaposed frames, the edge of the outer

free end of said rectangular part being beveled to form a miter joint with another similar clip.

4. In a cabinet or similar structure, the
5 combination with the meeting corner of
three panel frames, of a pair of mitered
corner clips, each consisting of a rectangular
part adapted to overlie one of said frames
and a trapezoidal part made with an in-
10 clined or mitered edge adapted to overlie an
adjacent frame, and inwardly turned
tongues on the opposite edges of said parts
adapted to engage and hold said two frames,
the trapezoidal parts of the two clips over-
15 lying the same frame, the mitered edges of
the trapezoidal parts and the free outer ends

of the rectangular parts, respectively, being juxtaposed, whereby the two clips wholly incase the cabinet corner.

5. A mitered clip made of a single piece 20
of sheet material, comprising the rectan-
gular part 1, the angularly disposed mitered
or trapezoidal part 2, and the oppositely
arranged intumed lips 3 and 4 on the outer
edges of parts 1 and 2 respectively, substan- 25
tially as described.

Signed by me at Boston, Massachusetts,
this 31st day of August 1909.

DAVID E. HUNTER.

Witnesses:

ROBERT CUSHMAN,
JOSEPHINE H. RYAN.