E. N. PORTER.

Bracket Piece for Screen Frames.

No. 230,438. Patented July 27, 1880.

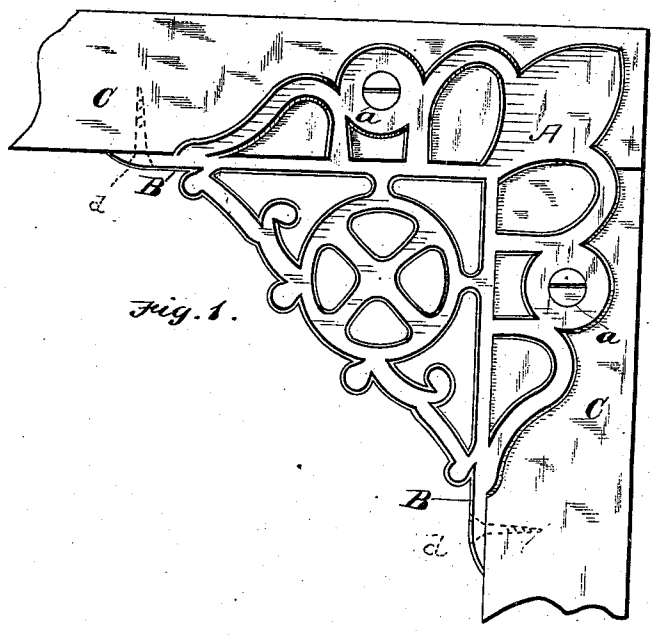


Fig. 1.

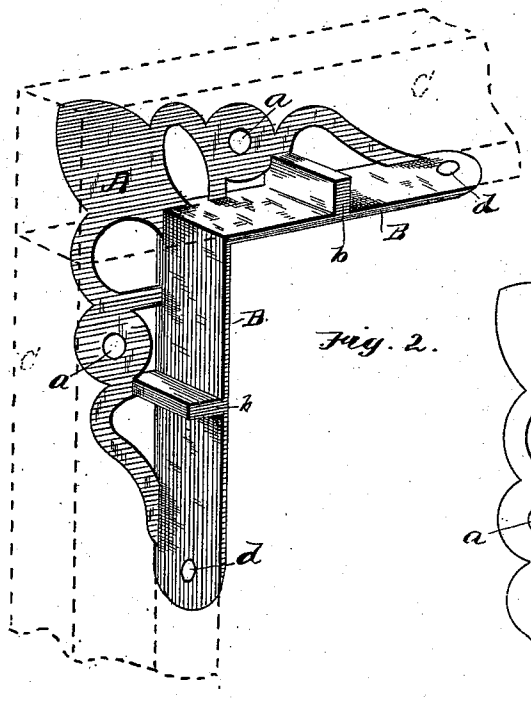
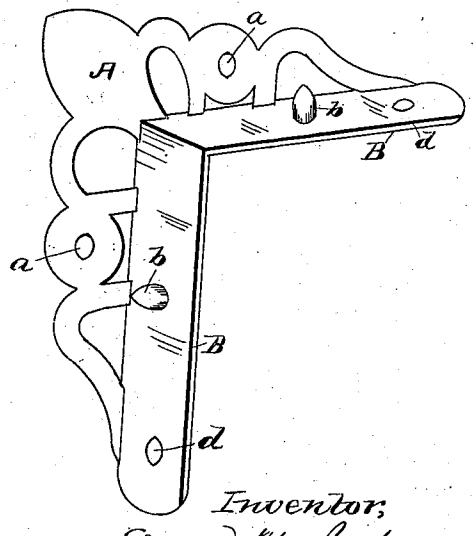


Fig. 2.

Fig. 3.



Attest,
W. N. N. Knight,
W. C. Hirdinston

Inventor;
Edward N. Porter,
by E. Hill,
His Atty

N. PETERS, PHOTO-LITHOGRAPHER, WASHINGTON, D. C.

UNITED STATES PATENT OFFICE.

EDWARD N. PORTER, OF MORRISVILLE, VERMONT.

BRACKET-PIECE FOR SCREEN-FRAMES.

SPECIFICATION forming part of Letters Patent No. 230,438, dated July 27, 1880.

Application filed December 27, 1879.

To all whom it may concern:

Be it known that I, EDWARD N. PORTER, of Morrisville, in the county of Lamoille and State of Vermont, have invented a certain new and Improved Bracket or Corner Piece for Screen-Frames, &c.; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a front view of one of the brackets applied to a frame. Fig. 2 is a perspective view of the same with the frame represented in dotted lines, and Fig. 3 is a perspective view of a modification.

Similar letters of reference in the several figures denote the same parts.

This invention has for its object to provide improved corner-brackets for binding together the parts of light frames, such as are used for window and door screens, whereby the said frames will be materially strengthened and the jointing of the parts by tenon and mortise or otherwise rendered unnecessary.

To this end the invention consists of a bracket or corner piece having a face-plate adapted to rest against the outside of the frame, and an inwardly-projecting angular flange adapted to fit the inner corner of the frame, and provided with lateral lugs or spurs for entering corresponding recesses or slots in the parts of the frame, substantially as I will now proceed to describe.

The entire bracket or corner piece is preferably made of metal and cast in one piece. Its face-plate A is formed in an ornamental design, and is provided with holes or perforations *a a* for the passage of screws by which to secure it to the frame.

On the back side of the plate A an angular flange, B, is f rmed, which projects inwardly and fits the corner of the frame formed by the coming together of the parts C C.

Lugs or spurs *b b* project laterally from the outer side of the flange B and enter corresponding slots or recesses in the parts C C, as shown in Fig. 2. The parts C C are preferably brought together without jointing, as shown, and the corner is then applied and secured firmly by means of screws passed through the holes or perforations *a a* in the face-plate before alluded to, and other screws applied through similar holes in perforations *d d* in the angular flange B.

By the use of my improved brackets or corner-pieces the frames can be made very light and cheap and can be put together quickly and firmly without requiring a skilled workman, as where the parts are jointed.

I am aware that a metal corner-piece or bracket consisting of a face-plate and an inwardly-projecting angular flange adapted to fit the inner corner of the frame has heretofore been invented, as will appear from the patent granted to J. Brizee, dated July 16, 1878, and numbered 205,995, and I do not therefore claim herein such construction, broadly.

I claim as my invention—

The brackets or corner-pieces herein described, having the face-plate A, the inwardly-projecting angular flange B, provided with the lugs or spurs *b b*, and adapted to be secured to a frame in the manner substantially as set forth.

EDWARD N. PORTER.

Witnesses:

HENRY C. FISK,

GEO. W. HENDEE.