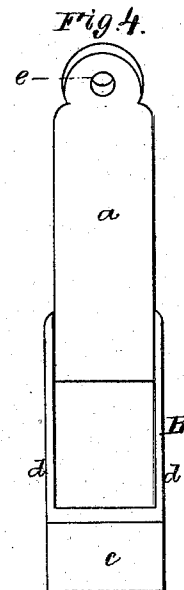
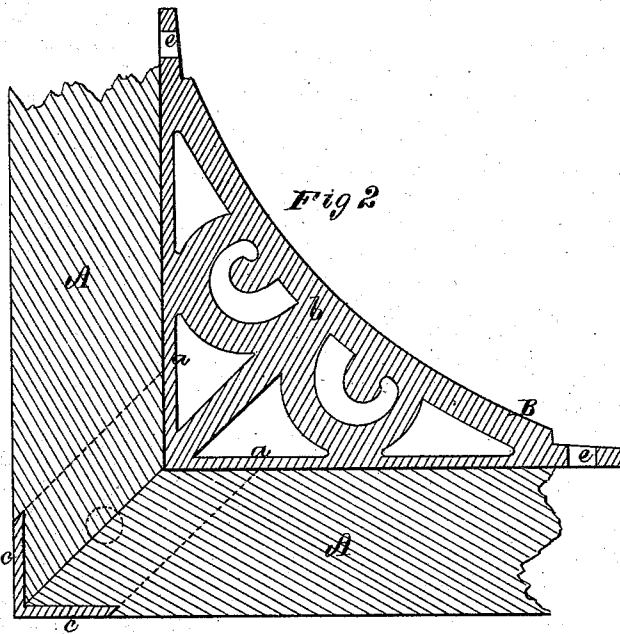
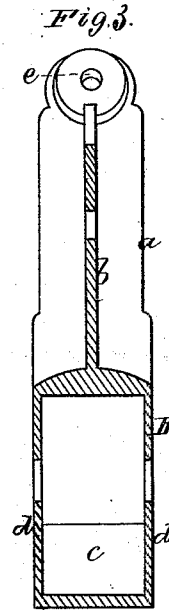
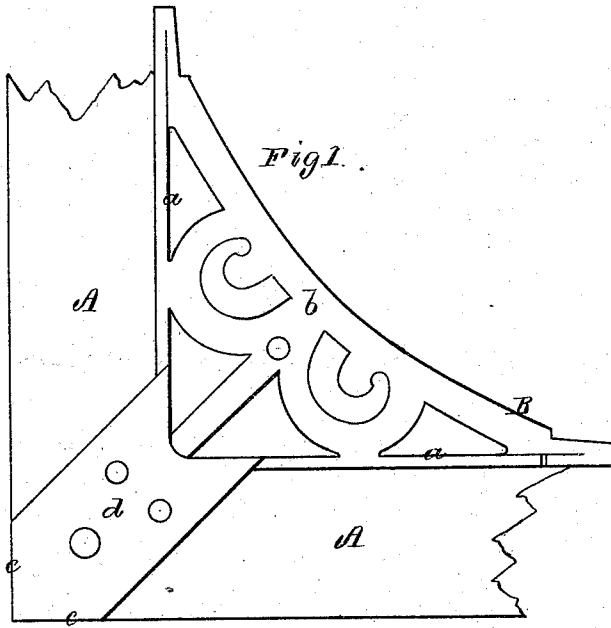


A. CONGDON.

Corner Connections for Window-Frames, &c.

No. 153,889.

Patented Aug. 11, 1874.



Witnesses.

L. N. Piper

L. N. Hölter.

Aaron Congdon.

by his attorney

R. H. Lacy

UNITED STATES PATENT OFFICE.

AARON CONGDON, OF LONSDALE, RHODE ISLAND.

IMPROVEMENT IN CORNER CONNECTIONS FOR WINDOW-FRAMES, &c.

Specification forming part of Letters Patent No. **153,889**, dated August 11, 1874; application filed April 30, 1874.

To all whom it may concern:

Be it known that I, AARON CONGDON, of Lonsdale, in the county of Providence and State of Rhode Island, have invented a new and useful Corner Connection for Frames or Roof-Timbers; and do hereby declare the same to be fully described in the following specification, and represented in the accompanying drawings, of which—

Figure 1 is a side elevation, Fig. 2 a longitudinal section, and Fig. 3 a transverse section, of it as applied to two of the bars of a frame, or two timbers of a roof. Fig. 4 is an edge elevation of it as separate from the timbers or frame pieces.

In the drawings it is shown at B; and is to be cast or founded in one piece of metal. It consists, first, of two flat bars, *a a*, arranged at a right or other proper angle to each other, and connected by an arched tie or open flange, *b*; second, of two shorter bars or plates, *c c*, arranged at the same angle to each other, and over, and parallel to, the bars *a a*, and at a suitable distance therefrom; third, of two parallel side connections or plates, *d d*, disposed as shown, and connecting the edges of the plates *c c* with those of the bars *a a*, all being as represented.

The two timbers or framed bars A A, formed or tenoned at their ends, as represented, extend into the space between the bars *a a* and the plates *c c*, and abut against each other at

their two contiguous ends. Screws or bolts going through holes *e e* in the bars A A, and into or through the bars *a a*, serve to connect them to the corner piece B.

Each of the plates *d d* has, or may have, one or more holes in it, to receive screws to go through it and into the wood.

A frame corner connection, made as described, and cast in one piece of metal, furnishes a very substantial and durable means of securing to each other two bars or timbers abutting together at their ends, and arranged at an angle to one another, as shown.

I do not claim a frame corner connection, made as represented in the United States Patent No. 124,759, as in my corner connection there is no plate or part to extend between the ends of the two frame-bars, which, when within the connection, abut directly together.

I claim—

My improved corner connection, consisting of the plates *c c*, *d d*, and *a a*, arranged and combined together, as described, without having any septum or junction plate arranged between and connecting the plates *d d* the said plates *a a*, if desirable, being provided with the arched brace *b*.

AARON CONGDON.

Witnesses:

ALFRED HOUGH,
GEO. SHERMAN.