

H. A. Bowman.

Awning.

N^o 89,462.

Patented Apr. 27, 1869.

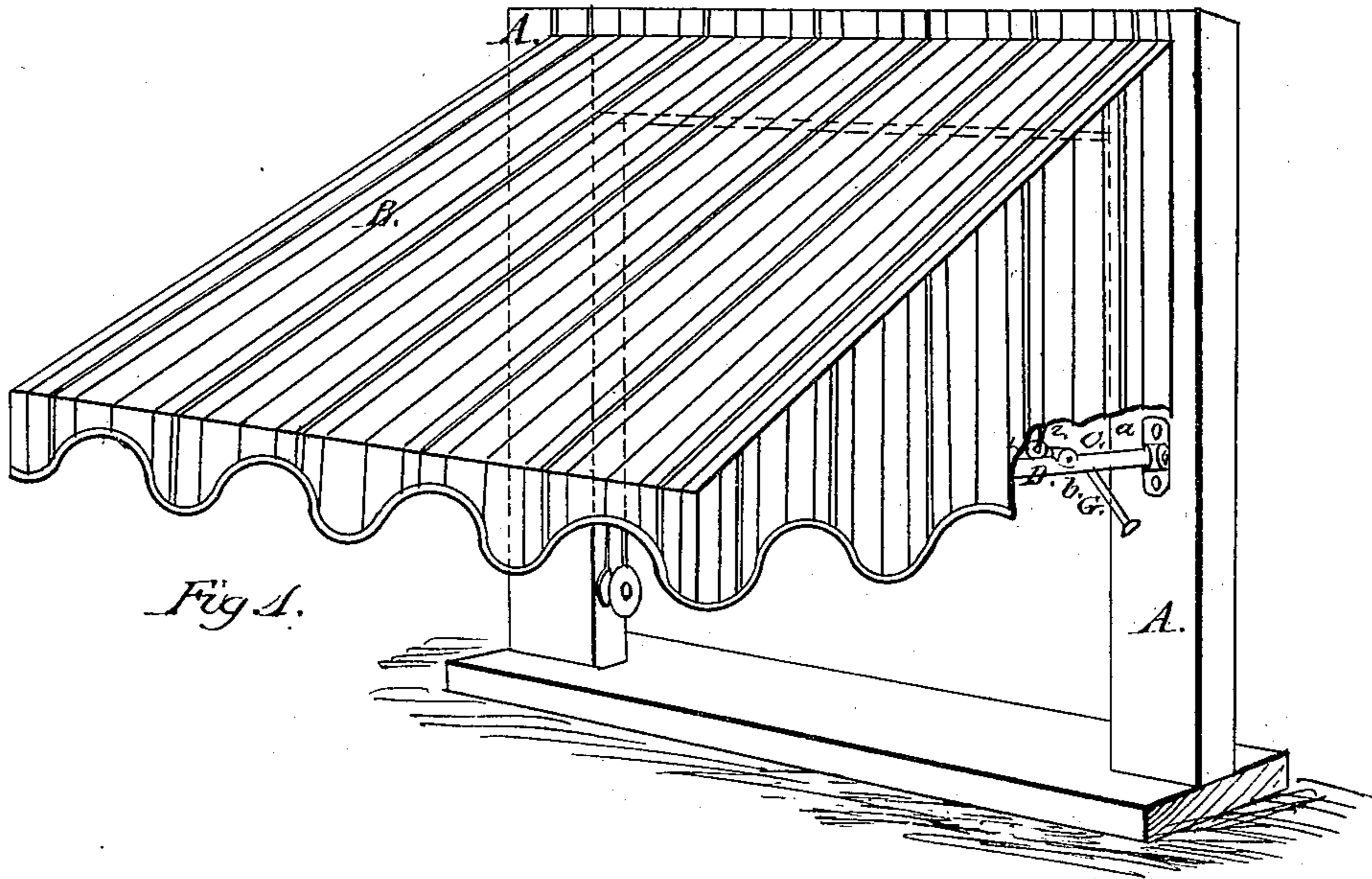


Fig. 1.

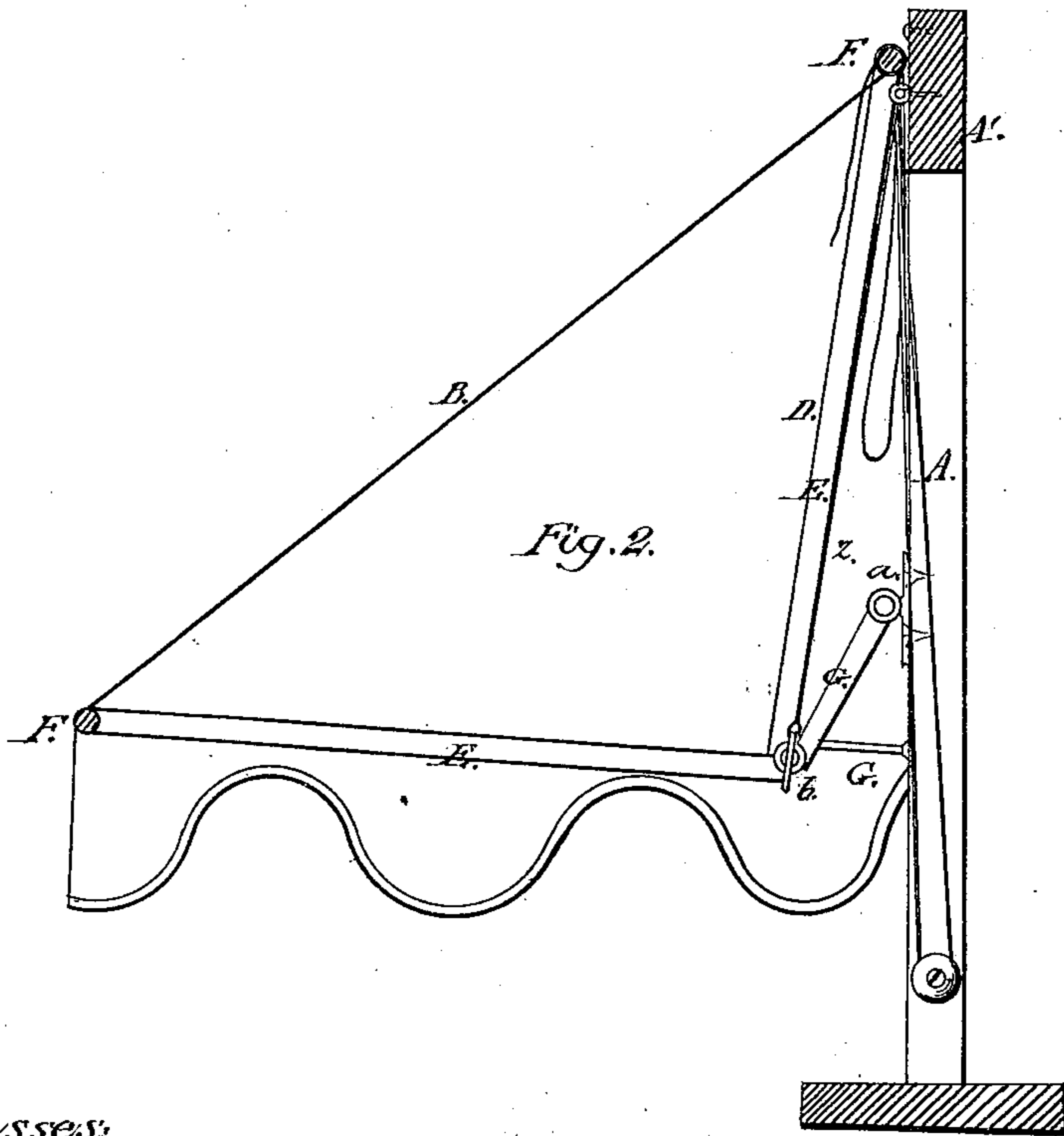


Fig. 2.

Witnesses:
Mos. H. Dodge
Geo. H. Miller

Inventor:
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United States Patent Office.

HENRY A. BOWMAN, OF WORCESTER, MASSACHUSETTS.

Letters Patent No. 89,462, dated April 27, 1869.

IMPROVED AWNING.

The Schedule referred to in these Letters Patent and making part of the same.

Know all men by these presents:

That I, HENRY A. BOWMAN, of the city and county of Worcester, and Commonwealth of Massachusetts, have invented certain new and useful Improvements in Awnings; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 represents a perspective view of my improved awning, with a part of the covering cut away, to show the construction of the framing more fully, and

Figure 2 represents a section of the framing, as will be hereafter explained.

To enable those skilled in the art to which my invention belongs, to make and use the same, I will proceed to describe it more in detail.

In the drawings—

A A A' represent the sides and top of a window, door, or other opening in a building, in front of which the awning-frame and covering B are to be arranged.

To the side-pieces A A are fastened pieces *a*, to which are hinged the inner ends of the short-jointed pieces C, of the metal awning-frame D, the outer ends of the pieces C being hinged, by knuckle-joints *b*, to the inner ends of the side-bars E of frame D, as fully indicated in the drawings.

The outer cross-part F, of the awning-frame D, is made in the usual manner.

To each joint, or near to each joint *b*, is a ring, or hook 1, into which cords 2 are attached, said cords being run up to the top of the awning near the building, where they are passed through eyes, or over pulleys, properly supported, for the purpose of facilitating the folding and unfolding of the awning-frame and its covering B.

Cords are also combined with the outer cross-part F, for drawing it up in the usual manner.

To the under sides of the short-jointed pieces C, are secured the braces, or wall-supports G G.

When the awning-frame D, and its covering B, are to be folded up, the cords 2, attached to the hooks, or eyes 1, are unhooked, and the side-bars E and front part F allowed to drop into the positions indicated in red lines, fig. 2, the short hinged pieces C C being

inclined down, to permit the ends of the braces G G to rest against the wall, or sides A A, as indicated in full and dark lines, same figure.

The front part F and side-braces E E are now drawn up, as shown in dark and full lines, fig. 2, which represent a vertical central section of the awning-frame D folded up, without the covering B, to indicate and show more fully the construction and operation of the jointed folding frame.

To unfold the awning, the top part F is allowed to fall back until it assumes the position shown in red lines, fig. 2, when the cords 2 are drawn up until the joints *b* are straightened out and raised up, as shown in fig. 1.

Joints *b*, it will be noticed, become stiff on their lower sides when the short pieces C C and the side-braces E E are drawn into the positions shown in fig. 1.

One great advantage of my awning over those heretofore in common use, is the folding feature, whereby it can be folded to the side of the building, so as to occupy much less space in height than the length of the side-pieces or bars of the awning-frame, and consequently a wide awning can be used and still folded up without extending up so as to cover the signs or window above.

This will be more fully understood by reference to fig. 2, in which it will be seen that if it were not for the joint *b*, the upper part F of the awning-frame would extend up nearly twice the length of the pieces C higher than it does now.

By my improvements the greatest objection to the use of awnings is overcome.

Having described my improvements in awnings,

What I claim therein as new, and of my invention, and desire to secure by Letters Patent, is—

1. The combination, with the side-braces E E and hinged pieces C C, of the wall-supports, or braces G G, substantially as and for the purposes set forth.

2. The combination, with the side-braces E E and short hinged pieces C C, of the hooks, or eyes 1 and cords 2, substantially as and for the purposes set forth.

HENRY A. BOWMAN.

Witnesses:

THOS. H. DODGE,
GEO. H. MILLER.