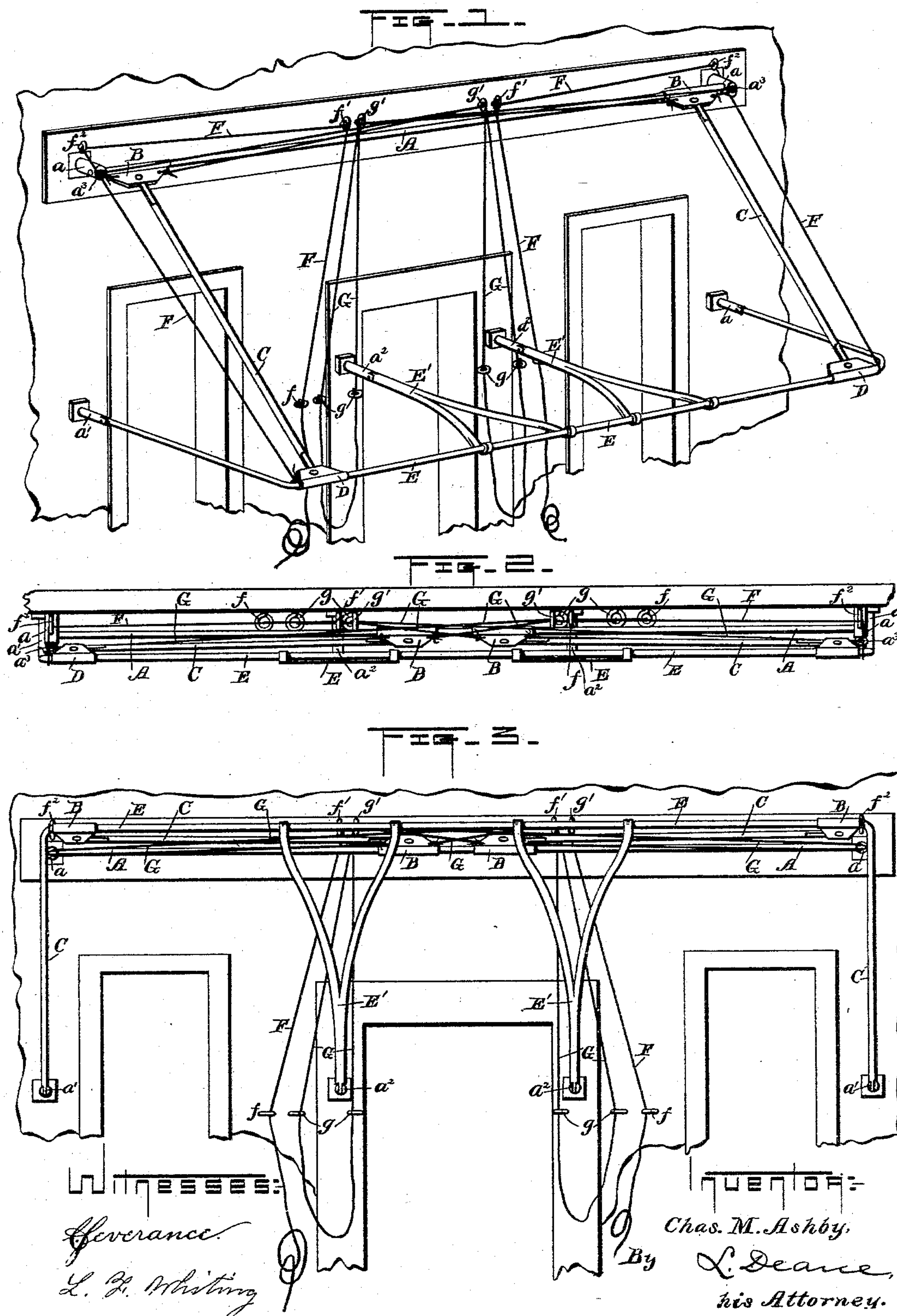


(No Model.)

C. M. ASHBY.  
AWNING FRAME.

No. 401,104.

Patented Apr. 9, 1889.





# UNITED STATES PATENT OFFICE.

CHARLES MORRIS ASHBY, OF DE SMET, DAKOTA TERRITORY.

## AWNING-FRAME.

SPECIFICATION forming part of Letters Patent No. 401,104, dated April 9, 1889.

Application filed July 26, 1888. Serial No. 281,117. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES MORRIS ASHBY, a citizen of the United States, residing at De Smet, in the county of Kingsbury and Territory of Dakota, have invented certain new and useful Improvements in Awning-Frames; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

Figure 1 is a perspective view of this device opened or turned down. Fig. 2 is a front elevation or view of the device shut or turned up. Fig. 3 is a top plan view of the same.

This invention is an improvement in awning-frames; and the novelty consists in the structure of the several parts and in their combination with each other, whereby is afforded a simple, neat, compact, and effective device, all as will now be more fully described, reference being had to the accompanying drawings.

In the drawings, A denotes the metal guide-rod, connected at its ends, and also centrally, if desired, to the standards  $a$ , by means of which it is secured upon the front of the building in any suitable relation to the door, window, or other opening over which the awning is to be placed. These standards are fixed to the front of the house in any desired or convenient way or manner. By this means the guide-rod is not only securely held in place, but also at suitable distance from the building, to allow the free movement of the sleeves or runners B on each side. To each of these runners is pivoted at one end a brace-rod, C, which at its other end is also pivoted to a fixed sleeve, D. There are two of these sleeves, respectively, at each side of the metal bow or projecting part E of the frame. This bow is hinged at its lower ends to the standards  $a'$ , which, like the standards  $a$ , are fixed at one end to or on the face of the house or building and project out far enough to allow the bow to swing in or out freely, and when the awning is shut up to allow it to be folded very compactly against the face of the house. To give additional support to the bow or projecting part E, there are provided the braces E', which are connected rigidly at their outer

ends to the front part of the bow or frame, and at their lower ends are hinged to the standards  $a'$ , which are just like the ones before mentioned.

In the up-and-down movement of the bow or projecting part E the brace-rods C will move the sleeves or runners B to or from the center of the rod A, and when these sleeves are moved to the ends of the rod A, so as to be at about right angles with the bow or projecting part, the frame will be securely and firmly held, so that when the canvas is on it no gust or gale can turn up the awning.

To operate the frame when it has been duly covered with canvas there are provided suitable cords, and I will now proceed to describe their attachment to the frame and the operation of the device.

The outer cords, F, one on each side, respectively, pass through eyebolts  $f$  on the lower side, and thence through eyebolts  $f'$  on the upper side near the center and  $f^2$  near the end of the guide-rod, and thence to the corners of the bow or projecting part of the frame, where the outer end of the brace-rod C is pivoted. Between these two outer cords are placed the two pairs of cords G. Each pair in like manner pass through the eyebolts  $g$  at the bottom and  $g'$  at the upper part, and thence one end passes through the eye  $a^2$  on top of the standard  $a$  at each end of the guide-rod, and thence is fastened at one side of the runner or sleeve B, while the other end of the cord is passed directly to and secured upon the other side of the sleeve. Both of these cords G are arranged and secured in the same manner, the one operating at one end of the frame and the other at the opposite; but the two pass by each other at the middle, so that when the runner is pulled it will be surely drawn so far inward as to insure the complete folding of the frame.

When the frame is up—that is, folded—it can be lowered by pulling upon that part of the cord G which tends to pull the runner B inward toward the center of the rod A. When the frame is down, it can be raised by first pulling on the cords G, which serves to start the runners, and then the outer cords, F, are pulled upon, which raises the bow and causes the braces to move inward at their lower ends.



It is evident that in the mere mechanical detail of the pivoting or hinging of the several parts, as has been above described, there may be many changes to suit the taste of the user or the convenience of the manufacturer, all of which will in no essential degree modify the construction of the device. Preferably all the parts of the frame are made of metallic rod or wire. As made and constructed, the frame is cheap, easily put together, durable, strong, light, and most efficient in all its action.

Having now described my invention, what I wish to claim is—

1. An awning-frame having on each side a brace pivotally secured at one end to its pivoted or hinged bow or projecting part and at the other end to a runner or sleeve movable on the rear or guide rod, and having suitable cords to operate it, whereby it can be let down and locked in position or raised and folded, substantially as described.

2. The awning-frame composed of the guide-rod A, secured upon projecting standards, the bow or projecting part E, hinged to like standards, and the brace-rods C, one on each side, pivoted at one end to the bow and at the other to runners on the rod A, substantially as and for the purposes set forth.

3. The guide-rod A, secured at a distance from the face of the building, the bow E, hinged to standards, the brace-rods C, pivoted at one end to the bow and at the other movable on the rod A, and the cords F and G, the whole combined and operating in the manner set forth.

In testimony whereof I affix my signature in presence of two witnesses.

CHARLES MORRIS ASHBY.

Witnesses:

GEORGE W. ELLIOTT,  
MARCUS WILLARD.