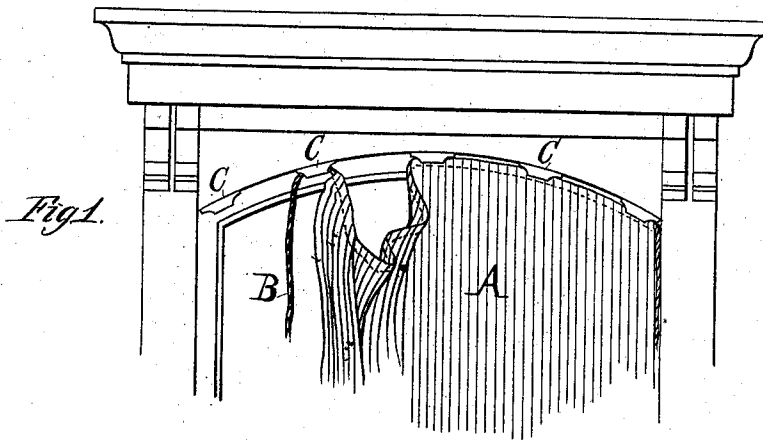
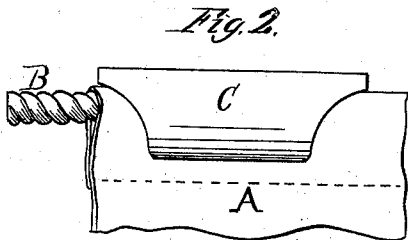
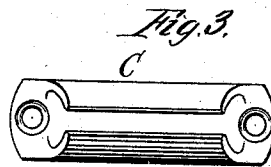
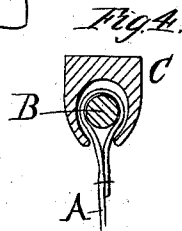


D. ERICKSON.
Awning Fastener.

No. 228,990.

Patented June 22, 1880.



Witnesses:
F. B. Townsend
Richd. M. Dyer

Inventor:
Daniel Erickson.
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Attorney.

UNITED STATES PATENT OFFICE.

DANIEL ERICKSON, OF CHICAGO, ILLINOIS.

AWNING-FASTENER.

SPECIFICATION forming part of Letters Patent No. 228,990, dated June 22, 1880.

Application filed December 24, 1879.

To all whom it may concern:

Be it known that I, DANIEL ERICKSON, of Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Awning-Fasteners, of which the following is a specification.

The object I have in view is to produce cheap and simple means for removably fastening the edge of cloth or other flexible material, by which the cloth will be securely held, so that when stretched it will not be liable to be torn or pulled from position, and so that the edge of the cloth can be readily removed from the fastener without injury to the structure to which it is attached, and can be again secured in position without delay or inconvenience, and will not require the use of any special tools for that purpose. The flexibility of the edge of the cloth or other fabric is at the same time retained, so that it can be fastened on a straight, curved, or irregular line.

My invention therein consists in the cloth or other flexible material provided with a rope hemmed in its edge, in combination with the peculiar metal clips which are secured to the object to which the cloth is to be attached, and form a broken holding-tube for fastening the edge of the cloth, as fully hereinafter explained.

In the accompanying drawings, forming a part hereof, Figure 1 is a view of the upper part of a window, showing the manner of securing an awning by my invention; Fig. 2, a side view of one of the metal clips with the edge of the canvas drawn through it; Fig. 3, a view of the slotted face of the clip; Fig. 4, a cross-section of Fig. 2.

Like letters denote corresponding parts in all the figures.

A represents the cloth, canvas, or other flexible material, which may be used for any of the numerous purposes to which my fastening device is applicable, and B is the rope, which is hemmed in the edge of the same that it is desired to fasten.

For securing window, door, or store awnings, I employ clips C, made of wrought or cast metal. The sides of each of these clips are brought nearly together, so as to form a short tube, large enough to receive the edge of the cloth with the rope secured in it, while the space between the approaching edges of

the sides of the clip is only sufficient to allow the doubled cloth to pass through, and is not wide enough to permit the rope to be pulled laterally out of the clip. The ends of the base of the clip are extended beyond the sides, and have screw-holes made in them, by means of which the clips are attached in position. A number of these clips, secured at short intervals, form a broken slotted holding-tube for fastening or binding the rope-edge of the cloth, such edge being threaded or drawn through the clips in succession.

For awnings these clips are secured by screws to the upper part of the window or door frame, or in a line extending across the whole front of a store. The edge of the awning, with the rope hemmed in it, is drawn through these clips, which can be most conveniently done by commencing at the center and working in both directions, after which the rope is pulled taut and the ends of the same secured in any suitable way.

Heretofore awnings have usually been fastened by securing grommets in the edge of each awning, through which staples or eye-screws were driven into the wood-work. These staples or eye-screws have to be forcibly drawn out every time the awning is taken down, to the great injury and ultimate destruction of the wood-work.

It will be seen that my improved method of fastening awnings possesses the advantages of permitting them to be taken down and put up easily and quickly and without injury to the wood-work; and, in addition, the awning is held close to the frame-work, the rope being drawn taut, and is evenly adjusted in its iron frame.

The invention is also applicable to cot-beds and camp chairs and stools, where flexible bottoms are used, and enables those bottoms to be readily removed for washing them or for replacement.

What I claim as my invention is—

The combination, with the cloth or other flexible material and the rope hemmed in the edge of the same, of the metal clips C, for holding the edge of the cloth, substantially as described.

DANIEL ERICKSON.

Witnesses:

JOSHUA S. SEAVERS,
W. G. HALKET.