(No Model.)

J. L. SMITH.

AWNING.

No. 286,495. Patented Oct. 9, 1883.

Fig. 1.

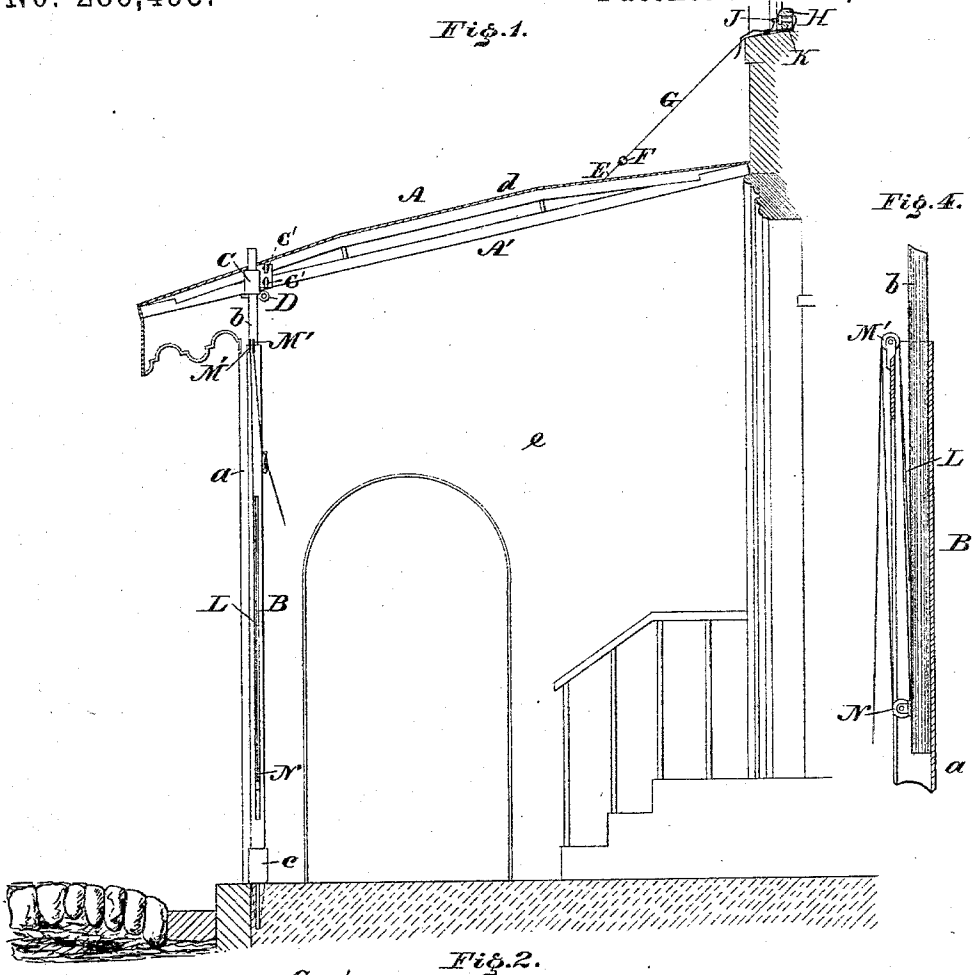


Fig. 4.

Fig. 2.

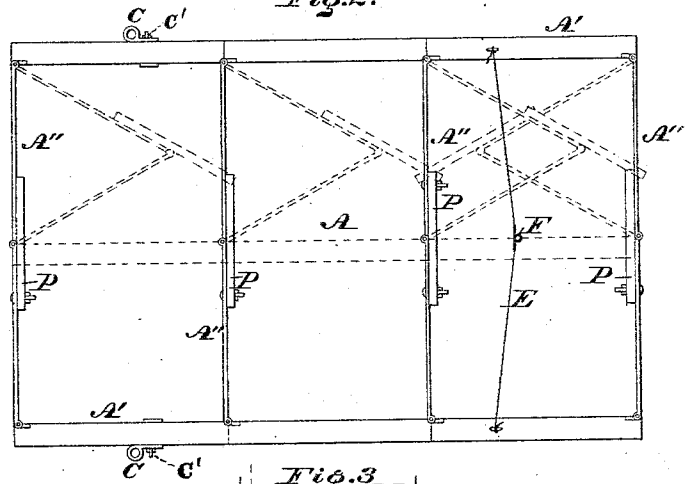
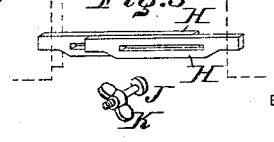


Fig. 3.



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JOHN L. SMITH, OF PHILADELPHIA, PENNSYLVANIA.

AWNING.

SPECIFICATION forming part of Letters Patent No. 286,495, dated October 9, 1883.

Application filed February 27, 1883. (No model.)

To all whom it may concern:

Be it known that I, JOHN L. SMITH, a citizen of the United States, residing in the city and county of Philadelphia, State of Pennsylvania, have invented a new and useful Improvement in Awnings for Sidewalks, &c., which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a partial side elevation and partial vertical section of an awning embodying my invention. Fig. 2 is a top or plan view thereof. Fig. 3 is a perspective view of detached parts. Fig. 4 is a vertical section, enlarged, of one of the supporting-posts.

Similar letters of reference indicate corresponding parts in the several figures.

My invention consists of an awning having a frame which may be readily folded.

It also consists of an awning having means for conveniently attaching it to a house or building.

It further consists of an awning having vertically-adjustable posts.

Referring to the drawings, A represents the frame of the awning, which is formed of longitudinally-extending parallel side pieces, A′ A′, and transversely-extending stretchers A″.

B represents posts for supporting the outer or lower end of the awning, each consisting of a tubular section, *a*, and a section, *b*, which is fitted into the former section *a* and adapted to be raised and lowered for adjusting the height of the awning. The lower end of the section *a* is set in a socket-piece, *c*, which is driven into the ground, and the upper end of the section *b* is inserted in an eye, C, which is adjustably secured to the sides of the frame A by means of bolts C′ and rested on a pin, D, which is passed through the section *b*, and thus receives the superimposed weight of the frame A, the top canvas or material, *d*, of the awning, and the side wings, *e*.

To the side piece A′ of the frame is connected a rope, chain, or rod, E, the center of which has secured to it a jib head or eye, F, for attachment of a rope or chain, G, which is secured to the building for sustaining the upper or inner end of the awning, said ropes E G and head F being above the top canvas, *d*.

In order to secure the rope G to the building, I employ a cleat which is formed of two longitudinally-slotted pieces, H, and a screw or bolt, J, which is passed through the slots of the pieces of the cleat, whereby by means of a nut, K, said pieces may be connected as one. The pieces H are inserted within the nosing of a window-frame, and moved or spread laterally in opposite directions to full extent. The screw or bolt J is then tightened, and thus the cleat retains a firm hold on the window-frame, it being evident that the cleat is adjustable to window-frames of different sizes. The rope G is wound around the cleat and suitably tied or secured, and thus the awning is firmly sustained at its upper or inner end.

It will be seen that the awning may be readily set up and taken down, and when in position is reliably supported at both ends, the inner end, if desired, being rested on the cornice or top of the door-frame, as shown in Fig. 1, and the awning may be further steadied and stayed by means of guy-ropes suitably applied.

In order to move section *b* of the post B, I attach to the side of said section a rope, L, which is passed over and around a pulley or block, M, secured to the section *a*, then down and around a pulley, N, at the bottom of the section *b*, and finally around a pulley, M′, at the top of the section *a*, from whence it is conveniently reached for operation. It will be seen that by drawing down or letting go the outer end of the rope L, the section *a* is raised or lowered in a most convenient manner, and thus the height of the awning may be adjusted, the rope L then being secured in any desirable manner, and its ends may be employed as guy ropes or stays.

In order to adapt the frame A to be folded, I form the stretchers A″ of pieces pivoted together, and pivot the ends thereof to the side pieces, A′. When the frame is stretched or unfolded, blocks P are screwed or bolted to the pieces of the stretchers on each side of the central pivots thereof, thus holding the stretchers rigid and stiffening the frame A. By loosening the blocks P the stretchers may be folded, thus bringing together the side pieces and folding the frame in compact form, the stretchers acting after the manner of toggles. Each block

P may be rigidly fixed at one end to one part of a pivoted stretcher, in which case the fastening-bolt is applied to the opposite end, or the block may be entirely disconnected from the stretcher, and a bolt is then employed at each end of the block, both of which forms are shown in Fig. 2.

The eyes C are adjustably connected with the frame A. The posts B may be set nearer to or farther from the outer end of said frame, and thus located relatively to the position of the curb or front of a pavement or other requirements.

In order to permit the rising and falling motions of the section *b* of the posts B without interference of the block or pulley N, the side of the section *a* is vertically slotted, so that said pulley plays in the slot and is also guided thereby, thus also preventing rotation of the section *b*.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

1. An awning-frame formed of parallel side pieces, transverse toggle-stretchers pivoted to said side pieces, and locking devices for said stretchers, substantially as and for the purpose set forth.

2. An awning attachment consisting of a cleat formed of movable pieces adapted to be connected with the nosing of a window-frame and provided with a tightening screw or bolt, and means for connecting the awning and cleat, substantially as and for the purpose set forth.

3. An awning having a supporting-post formed of telescopic sections and an operating-rope, substantially as and for the purpose set forth.

4. An awning-frame formed of parallel side pieces, A′, toggle-stretchers A″, pivoted thereto, locking-pieces P, for the stretchers, and a connecting device, E, substantially as and for the purpose set forth.

5. An awning-frame and supporting-posts, in combination with eyes C and bolts C′, said posts passing through said eyes, and said bolts adjustably connecting the eyes with the frame, substantially as and for the purpose set forth.

6. A folding awning-frame, adjustable posts, adjustable connections for the frame and posts, adjustable cleats for the nosing of a window-frame, and connections for said frame and cleats, combined and operating substantially as and for the purpose set forth.

7. An awning-frame and supporting-posts, in combination with eyes C, connecting the posts and frame, said posts passing through said eyes, and horizontal pins D, fitted to the posts and sustaining said eyes and superimposed parts, substantially as and for the purpose set forth.

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