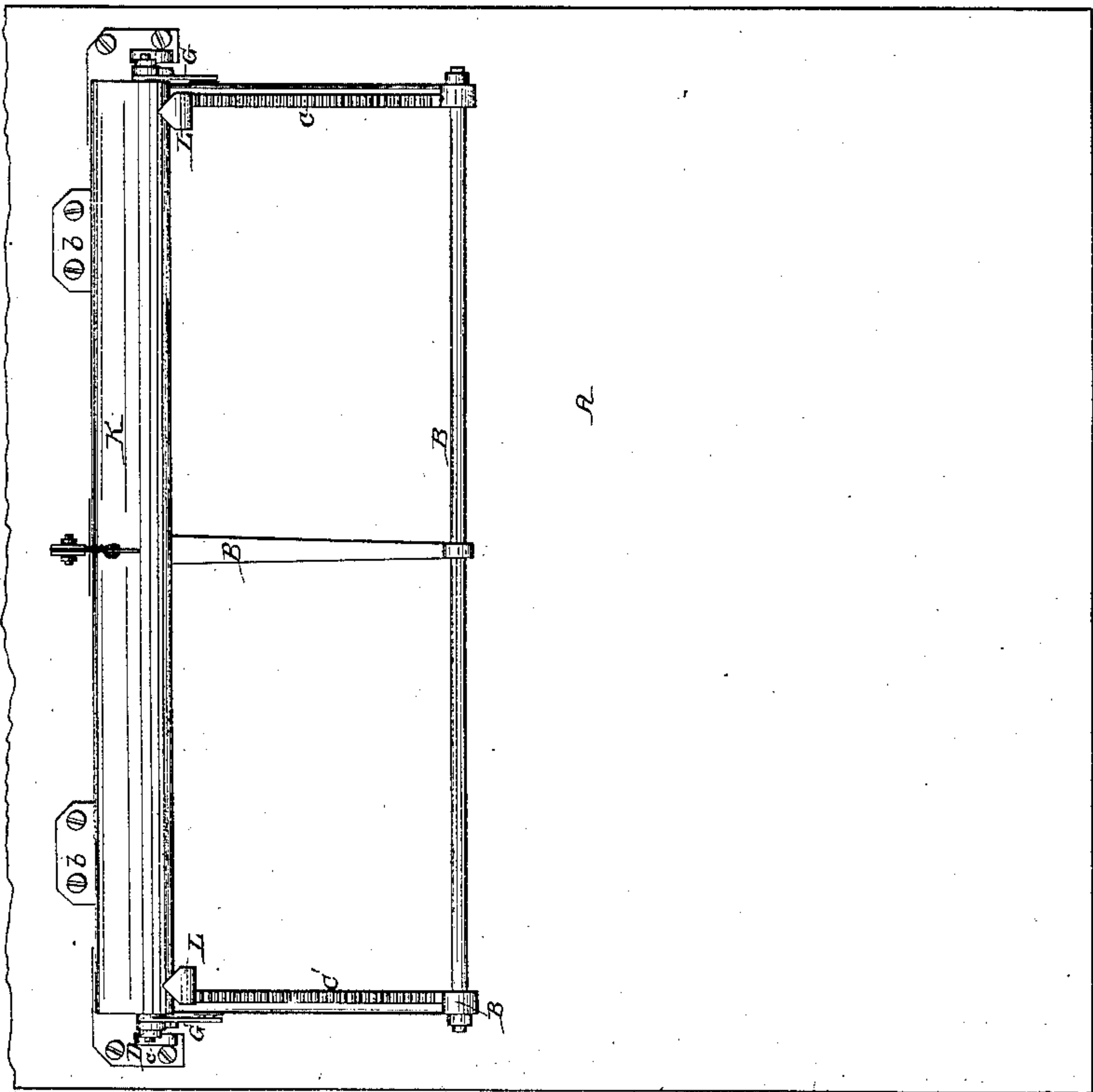
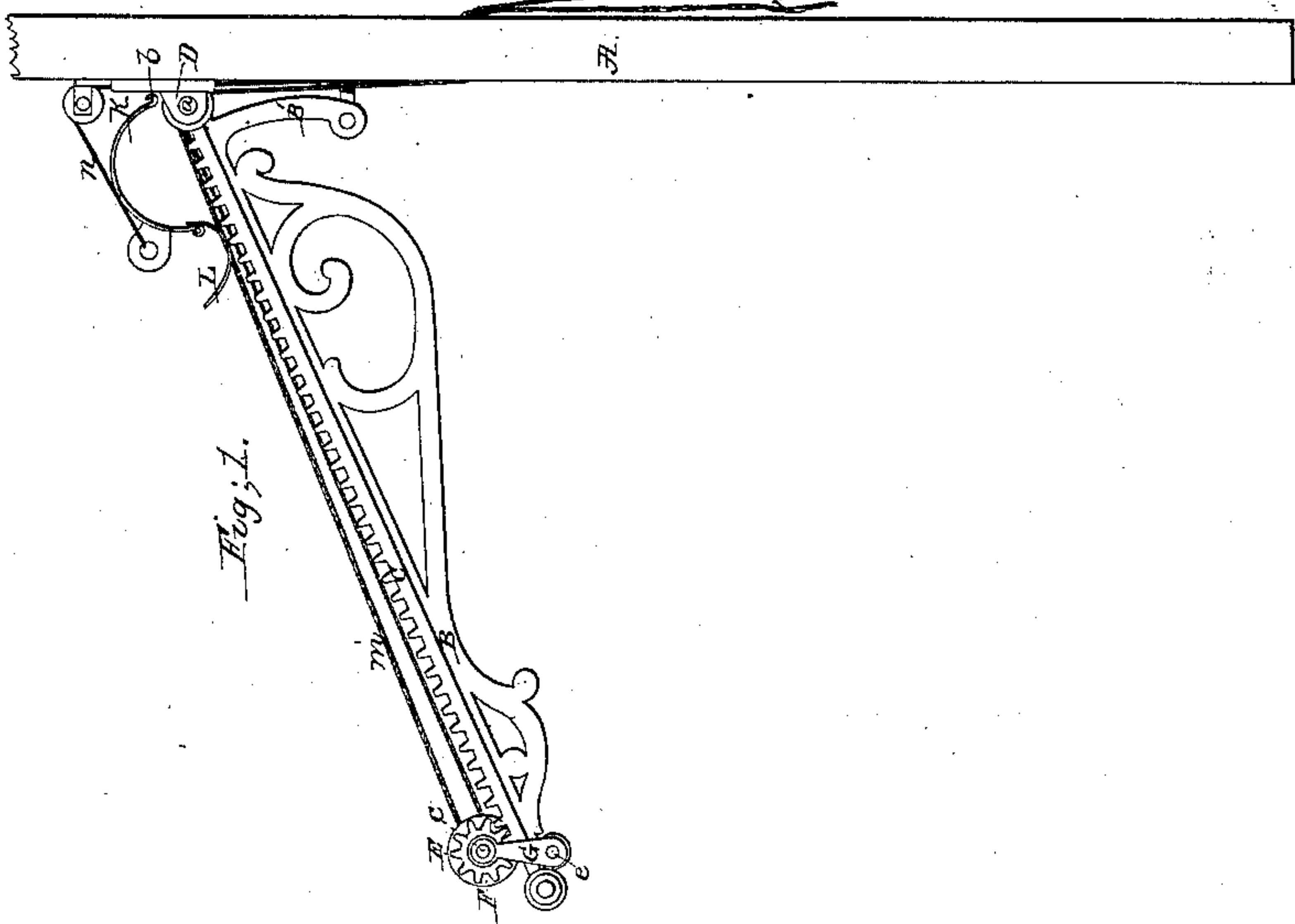


S. Chace

Awning,

Nº 25,723.

Patented Oct. 11, 1859.



Witnesses
C. H. Schofield
H. M. Schofield

Inventor;
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UNITED STATES PATENT OFFICE.

SAMUEL CHACE, OF PROVIDENCE, RHODE ISLAND.

AWNING.

Specification of Letters Patent No. 25,723, dated October 11, 1859.

To all whom it may concern:

Be it known that I, SAMUEL CHACE, of Providence, in the county of Providence and State of Rhode Island, have invented a new and Improved Awning for Shading Doors and Windows; and I do hereby declare that the following is a full and exact description of the construction and operation of the same, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a side view; and Fig. 2, a front view representing the awning rolled up.

A Figs. 1 and 2 is the side of the building to which the awning is attached.

B, B, &c. are various parts of the frame work. This frame is attached to the building by means of the rod *a* passing through the fastener D, (which is secured upon the building) on which rod *a* it may turn as a hinge, and is also held more firmly by the brace B' fastened to the bolt H by the pivot I as shown at Fig. 1.

C C' Figs. 1 and 2 are gear toothed tracks forming part of the frame B. The canvas of which the awning is made is fastened at one end to the rod *a* and at the other to the rod *c* shown at Fig. 1. At each extremity of the rod *c* are gears or pinions E, only one of which is shown in the drawing, which work in the tracks C, C'. These gears are kept from running off the tracks by the flanges F.

G, G', Figs. 1 and 2 are dogs fastened to the rod *c* in such manner that they may turn but not move longitudinally thereon. These dogs have rollers attached to their lower extremities by pivots *e*, which rollers being underneath the tracks prevent the awning from being raised perpendicularly therefrom while the flanges F before described prevent its sliding off. The awning is wound up when not in use by pulling the

cord *m* which is fastened at one end to the rod *a* and passes around the rod *c* and thence over the rod *a* a second time, and through a hole in the side of the building.

K is a semicircular box or covering which is fastened to the building by the hinge *b*. To the front of this box are fastened pieces L which hold it a little above the track. These are curved in front so that, when, in rolling up the canvas, the flanges F coming in contact with their faces the covering is raised allowing the rod *c*, on which is rolled the canvas, to pass under the cover, when it falls by its own gravity, thus preventing the rod *c* from rolling back, and shielding the canvas from the influences of the weather. The box is raised by means of the cord *n*, which is attached to it and passes over a pulley fixed to the side of the building and thence through a hole in the side of the building, as shown in the drawing, thus allowing the rod *c* to roll down the tracks C, C', thus spreading the canvas.

Fig. 1 represents the canvas as spread. The bolt H is made in form of a screw, so that the awning may be raised or lowered at pleasure by securing this bolt farther in or out according as the awning is to be raised or depressed. The pinion E may be made of gutta percha if desired to prevent the noise which would be attendant to a metal gear.

What I claim as my invention and for which I solicit Letters Patent is—

The application of the various devices before described, viz: the gear toothed tracks C, C, with the pinions E, E,; also the dogs G G, and finally the box or covering K, to an awning, the whole being constructed substantially as and for the purposes set forth.

SAMUEL CHACE.

Witnesses:

A. G. SCHOLFIELD,
H. M. SCHOLFIELD.