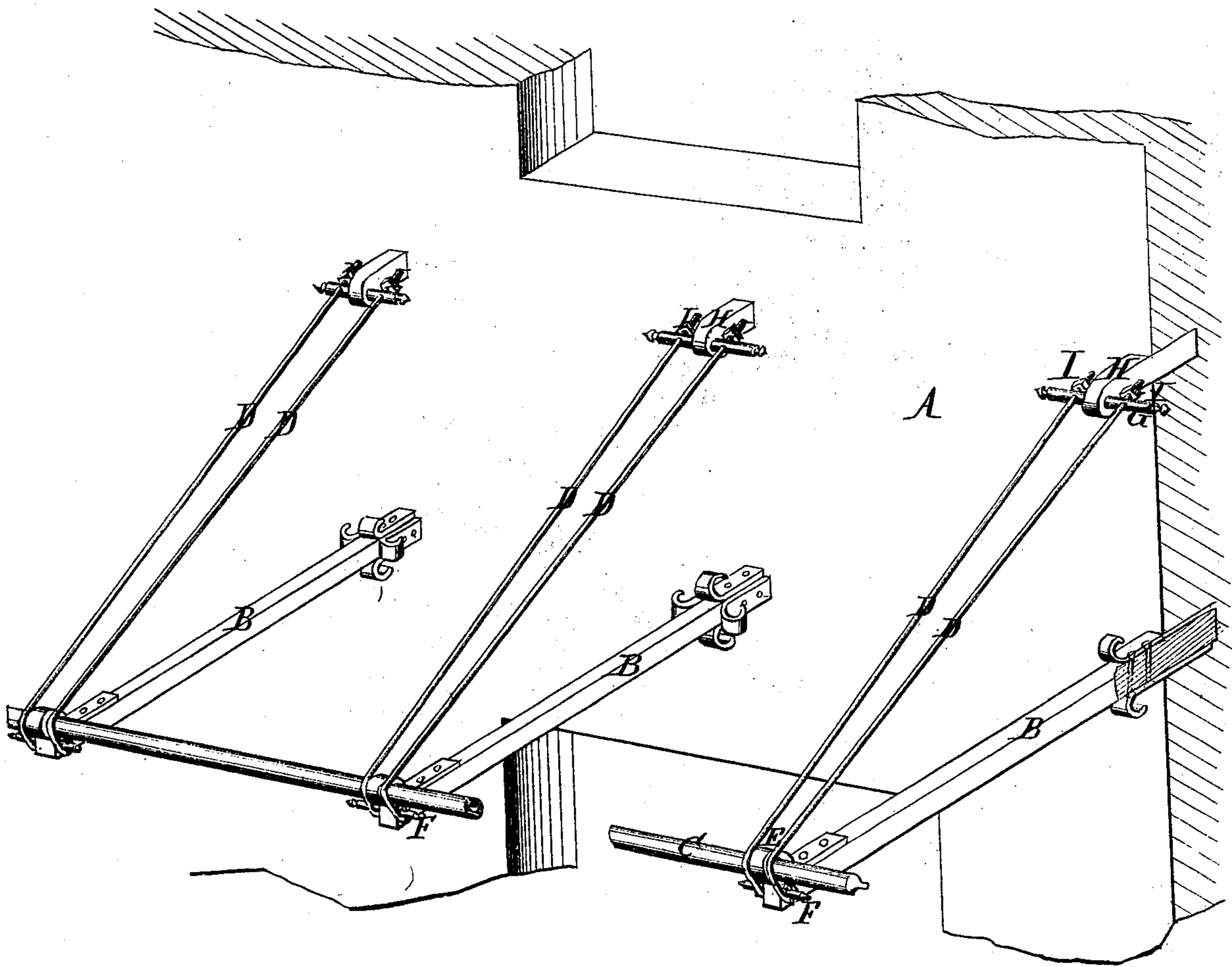


*G. Werner,
Awning Frame.*

No. 109694.

Patented Nov. 29. 1870.



*Witnesses
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UNITED STATES PATENT OFFICE.

CHRISTOPHER WERNER, OF CHARLESTON, SOUTH CAROLINA.

IMPROVEMENT IN AWNING-FRAMES.

Specification forming part of Letters Patent No. 109,694, dated November 29, 1870.

To all whom it may concern:

Be it known that I, CHRISTOPHER WERNER, of Charleston, in the county of Charleston and State of South Carolina, have invented a new and useful Improvement in Awning-Frames; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawing, forming part of this specification.

My invention relates to improvements in awnings; and it consists in the arrangement of oblique or inclined supporting-rods with reference to the parts with which they are connected, as hereinafter described.

The drawing is a perspective view of an awning-frame arranged according to my improvement.

A represents the wall of the building; B, the horizontal arms projecting therefrom; C, the rod or bar at the outer ends of the arms, ranging parallel with the wall A for the support of the outer edge of the canvas covering, and D represents the suspending wires or rods. The arms B are built into or otherwise secured to the wall, and they carry at their outer ends small plates, E, which are suitably bent upward to form eyes through which the rod C may be put. They also carry pins F for the attachment of the rods D. For the rod C, I prefer to use gas or other metal tubing, which is light and strong. The rods D are attached to the pins F, and bend up over the rod C, running thence, preferably in pairs, to the pins G,

supported in the studs H, anchored in the walls, to which pins the rods are connected by passing through them and nuts I on the said rods, the latter being employed to draw the rods up to the proper and equal tension for all. The rods D D are made to diverge from each other from their lower outer ends to the stud H for the purpose of laterally bracing the awning-frame. The screw-nuts on these rods also provide for adjusting the tension of the same as desired, or at any time. The bending of the rods D D at their lower ends around the bar or pipe C causes them to remove the strain from the latter.

It will be seen that this arrangement makes a very light, cheap, and durable awning-frame, which does not encumber the walks, as those do which are supported on posts. The suspending-rods serve, besides supporting the arms, the purpose of the rafters of the ordinary awning-frames.

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

1. The rods D D, arranged to diverge from each other throughout their length for the purpose of laterally bracing the awning-frame, as shown and described.

2. The combination of the pins F, arms B, bar or pipe C, eye-plate E, rods D D, pins G, screw-nuts I I, and studs H, all arranged as shown and described.

C. WERNER.

Witnesses:

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