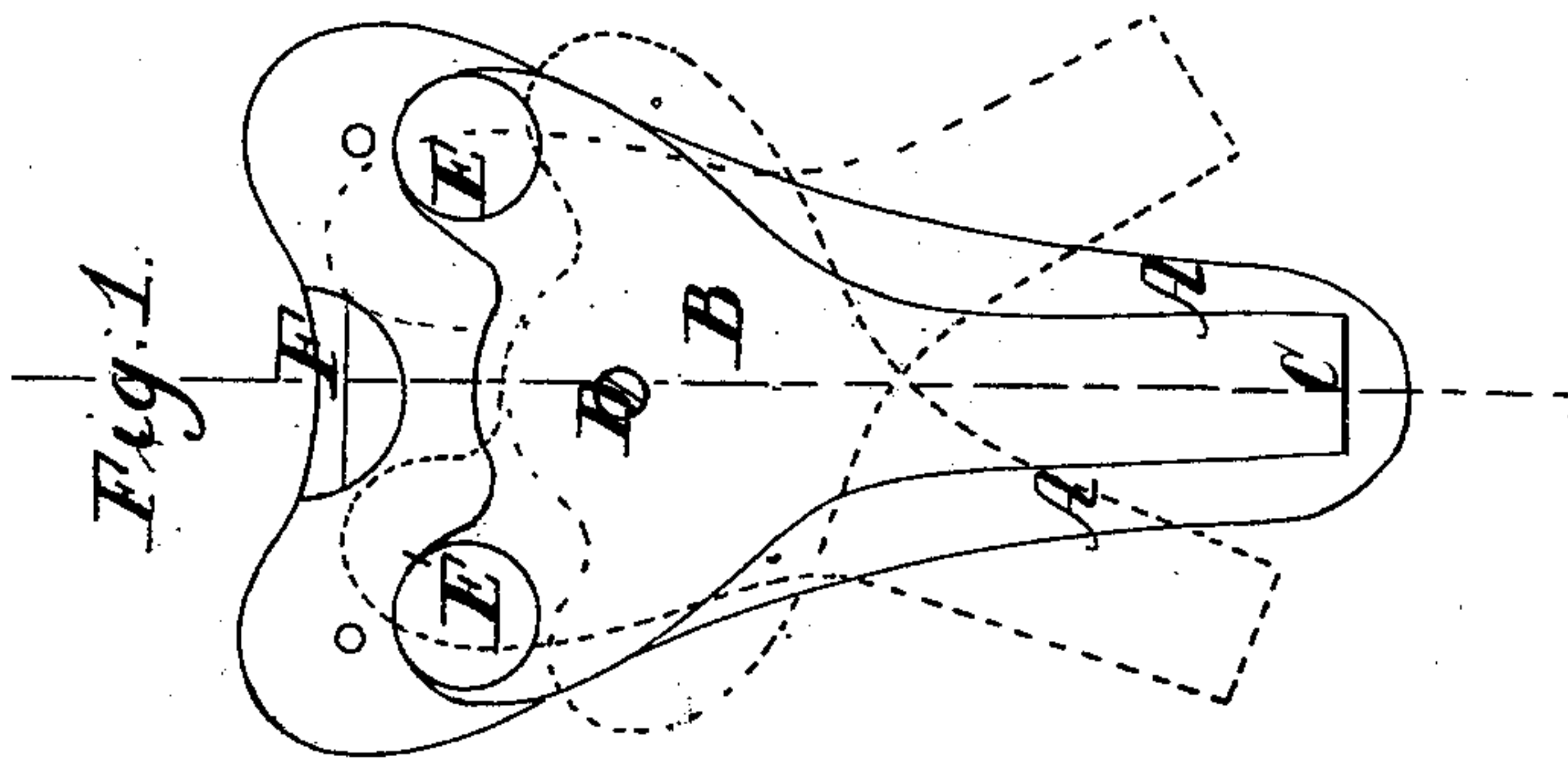
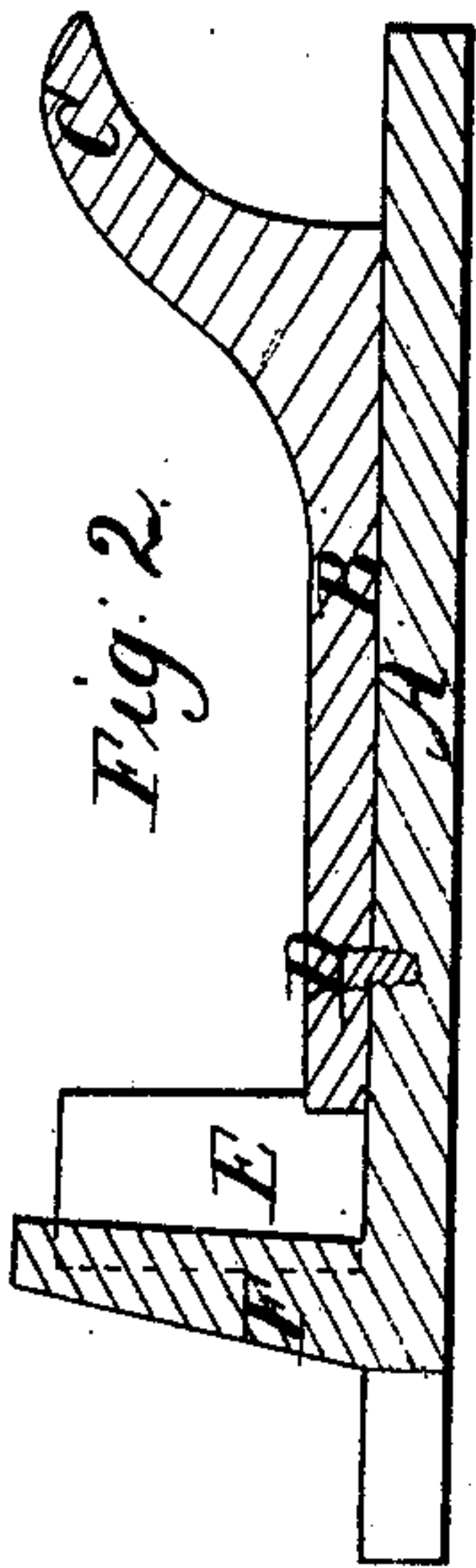


*J. H. Elward,  
Cable Stopper.*

*N<sup>o</sup> 69,646.*

*Patented Oct. 8, 1867.*



*Witnesses.*

*Wm. H. Elward  
J. H. Elward*

*Inventor.*

*J. H. Elward*

*by  
D. S. Holloway & Co.  
his attys.*

# United States Patent Office.

JOHN H. ELWARD, OF MENDOTA, ILLINOIS.

*Letters Patent No. 69,646, dated October 8, 1867.*

## IMPROVED CLAMP FOR ROPES AND WIRES.

*The Schedule referred to in these Letters Patent and making part of the same.*

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, JOHN H. ELWARD, of Mendota, in the county of La Salle, and State of Illinois, have invented a new and useful improvement in Devices for Fastening Ropes and Wires; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the annexed drawings, making part of this specification, in which—

Figure 1 is a front elevation, and

Figure 2 is a longitudinal section.

The same letters are employed in both drawings in the indication of identical parts.

On the 9th day of July, A. D. 1867, a patent was issued to me on a device for holding ropes or wires. In the device set forth in that patent a cam-lever is shown, pivoted to a plate, one end of which is intended to compress the rope or wire against the face of a projection from the plate. The rope or wire, after passing between these parts, is carried over the long arm of the lever on which it rests, and by its own weight compresses the clasped portion between the cam and projection, thereby suspending the rope or wire. The device therein shown is subject to the objection that two kinds of clamps must be constructed and employed where a rope is to be suspended across the space between two of such clamps. This improvement is intended to provide for such cases by a single clamp, which, being double-acting, may be used at either end of the rope, and it is in this that my improvement consists. It is constructed as follows, viz:

A is a metallic plate, to be attached to a post, building, or other support. B is a cam-lever pivoted to the plate at D. The long arm of the lever terminates with a rounded projection, C, over which the rope passes, between it and the plate A. The short end of the lever is bifurcated, having on each side of the pivot rounded projections E and E'. F is a projection from the plate A, intermediate between the projections E and E'. The rope or wire, being carried over the long arm of the lever at C, may be carried between either of the projections E or E' and the projections F, as may be necessary to confine it, by the action of its own weight, bearing upon the long arm of the lever, and compressing it between the projections E or E' and F.

I do not desire to limit my claim to the precise form of the parts here shown, nor to claim broadly the use of the cam-lever B and projection F, as that is the object of my other patent hereinbefore mentioned. What I do claim as my invention, and desire to secure by Letters Patent, is—

A double-acting clamp for suspending ropes and wires, consisting of a bifurcated cam-lever, B, having the parts C, E, and E', and the intermediate projection F, arranged to operate substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN H. ELWARD.

Witnesses:

THOS. FORRISTALL,

J. C. CROOKER.