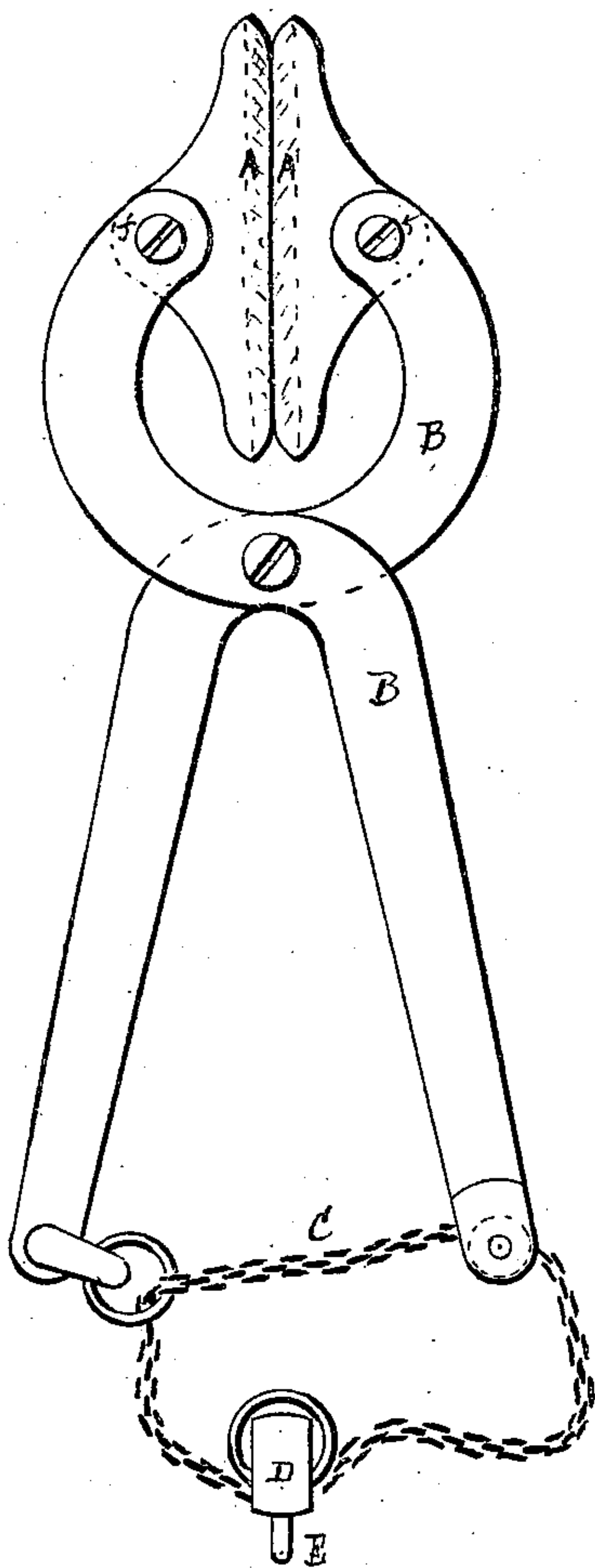


G. John,
Householder.

No. 103,585.

Patented May 31, 1870.

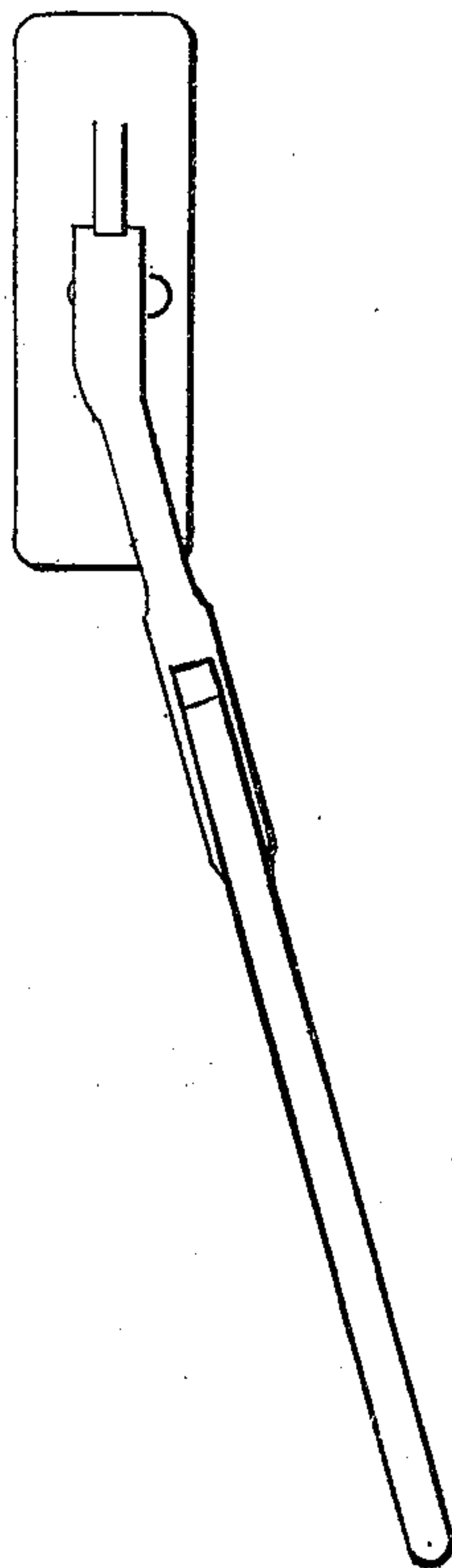
Fig. 1



Witnesses:

David H. Smith
E. H. Quast

Fig. 2



Inventor:

George John
By E. H. Quast
Att'y

UNITED STATES PATENT OFFICE.

GEORGE DOHN, OF SACRAMENTO, CALIFORNIA.

IMPROVEMENT IN TONGS FOR RIGGING.

Specification forming part of Letters Patent No. **103,585**, dated May 31, 1870.

To all whom it may concern:

Be it known that I, GEORGE DOHN, of the city and county of Sacramento, State of California, have invented an Improved Rigging-Tongs; and I do hereby declare that the following is a full, clear, and exact description of the same, reference being had to the accompanying drawings, and to the letters marked thereon.

This invention relates to that class on tongs called "rigging-tongs," which are especially designed for use in setting up the rigging of ships; and it consists in certain details of construction, which will be fully described hereinafter.

In the drawings, Figures 1 and 2 are elevations of my improved tongs.

A A represent clamps adapted for grasping the rope.

BB represent the levers or arms of the tongs, by means of which the pressure is applied. One of these arms is provided with a ring and the other with a pulley, as shown. A chain, C, is used, which passes through the ring and over the pulley, and also about the block D.

When desired, the tongs are operated by means of a block and fall, attached to the eye E of the block D for that purpose.

The center line of the clamp forms an angle with the plane of the levers B, in order that when in operation the said levers may be free to approach each other without coming in contact with the rope or rigging. The jaws or clamps are movable, and are attached to the ends of the levers by pins F F. The inner faces of the jaws are concave, and provided with corrugations G G, for the purpose of more effectually holding the rope or rigging.

I do not claim to have invented rigging-tongs provided with corrugated jaws; but,

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

In rigging-tongs of the described construction, the levers B, provided with pulley and ring, when employed in connection with the chain C and block D, as described, for the purpose set forth.

In testimony whereof I have hereunto set my hand and seal.

GEORGE DOHN. [L. S.]

Witnesses:

C. W. M. SMITH,
H. S. TIBBEY.