

(No Model.)

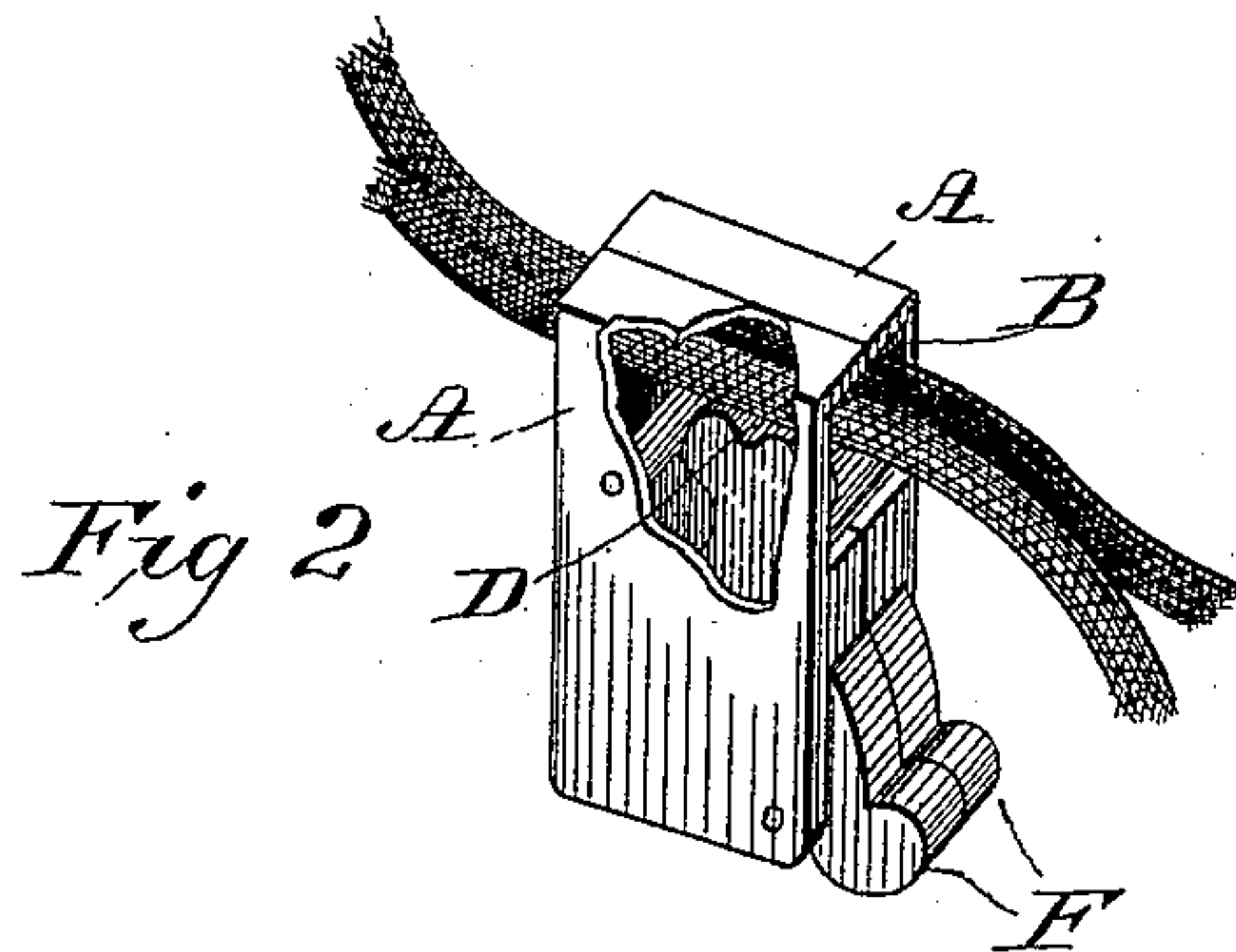
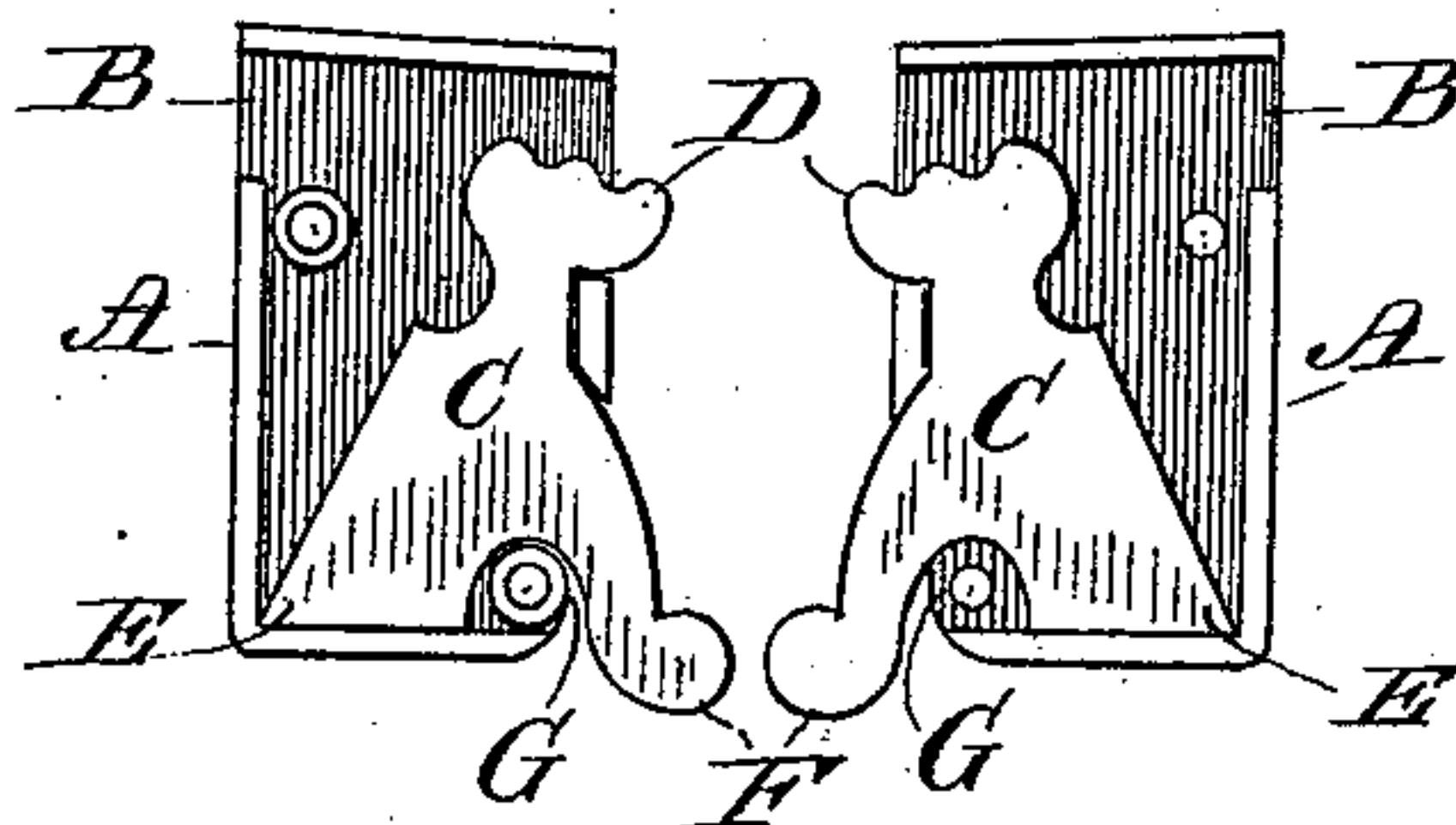
C. J. A. SJOBERG.

CORD CLAMP.

No. 297,303.

Patented Apr. 22, 1884.

Fig 1



Witnesses
S. S. Williamson
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UNITED STATES PATENT OFFICE.

CARL J. A. SJOBERG, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR TO THE
SMITH & EGGE MANUFACTURING COMPANY, OF SAME PLACE.

CORD-CLAMP.

SPECIFICATION forming part of Letters Patent No. 297,303, dated April 22, 1884.

Application filed March 21, 1884. (No model.)

To all whom it may concern:

Be it known that I, CARL J. A. SJOBERG, a citizen of the United States, residing at Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Cord-Clamps; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to certain novel and useful improvements in devices for clamping cords, ropes, and the like, and has for its object to do away with the pivoting of the clamping-dogs, and thereby relieve the same from a great deal of friction and enable them to operate freely on the cord; and with these ends in view my invention consists in the details of construction and combination of elements hereinafter fully and in detail set forth, and then specifically designated by the claims.

In order that those skilled in the art to which my invention appertains may more fully understand its construction and operation, I will proceed to describe the same, referring by letter to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a plan view of my improvement, showing the interior of the shells, with the dogs properly arranged therein; and Fig. 2, a perspective view of my improved clamp, with the casing partly broken away, and showing the cord clamped.

Similar letters denote like parts in both figures of the drawings.

A are the shells, having openings B at the forward portions for the passage of the cord. C are the dogs, serrated at their forward extremities, as seen at D, and with their rear ends terminating in angular portions E, adapted to fit snugly within one corner of the shells and rock therein, for the purpose presently explained. F are lugs projecting from said dogs outwardly through openings G in the shells.

The operation of my improvement is as follows: The cords are passed through the open-

ings B, between the dogs and the forward ends of the shells. The cords are readily pulled through the clamp in the direction indicated by the arrow in Fig. 2, since the dogs will rock freely in the shells and be thrown down by the friction of the cord on the serrated extremities. When it is attempted to pull the cord through in the opposite direction, the friction of the latter will cause the dogs to swing upward and nearer to the forward extremities of the shells, thereby firmly binding said cord. By depressing the lugs, the dogs are thrown away from the cord, and the latter may then be readily slipped through the clamp. By adapting the dogs to work as described, a great leverage is obtained and the bite on the cord is more effective; also, the dogs are perfectly free and have no friction to overcome. I am enabled to use springs to throw the dogs against the cord in their normal position; but I prefer the construction shown, as the action of said dogs is positive.

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

1. In a clamp for cord, rope, &c., the clamping-dogs adapted to rock within the shells from a point of contact within the same, substantially as set forth.

2. The shells provided with openings, as described, and having arranged therein rocking dogs provided with lugs projecting outwardly through said shells, substantially as described.

3. The dogs C, serrated at their forward portions, and with their rear extremities terminating in angular portions E, adapted to fit within one corner of the shells and rock therein, and having lugs F projecting outwardly through said shells, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

CARL J. A. SJOBERG.

Witnesses:

W. T. HAVILAND,
S. S. WILLIAMSON.