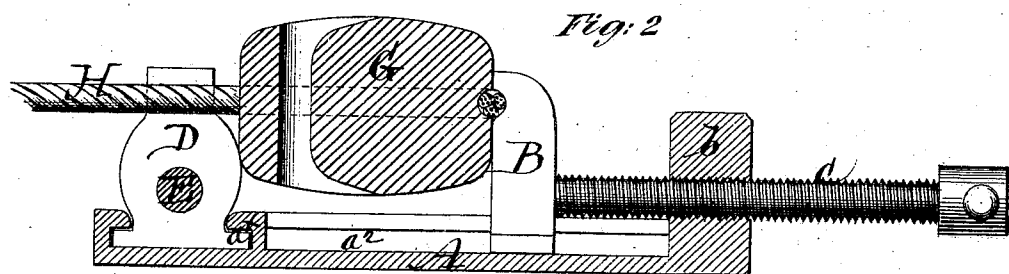
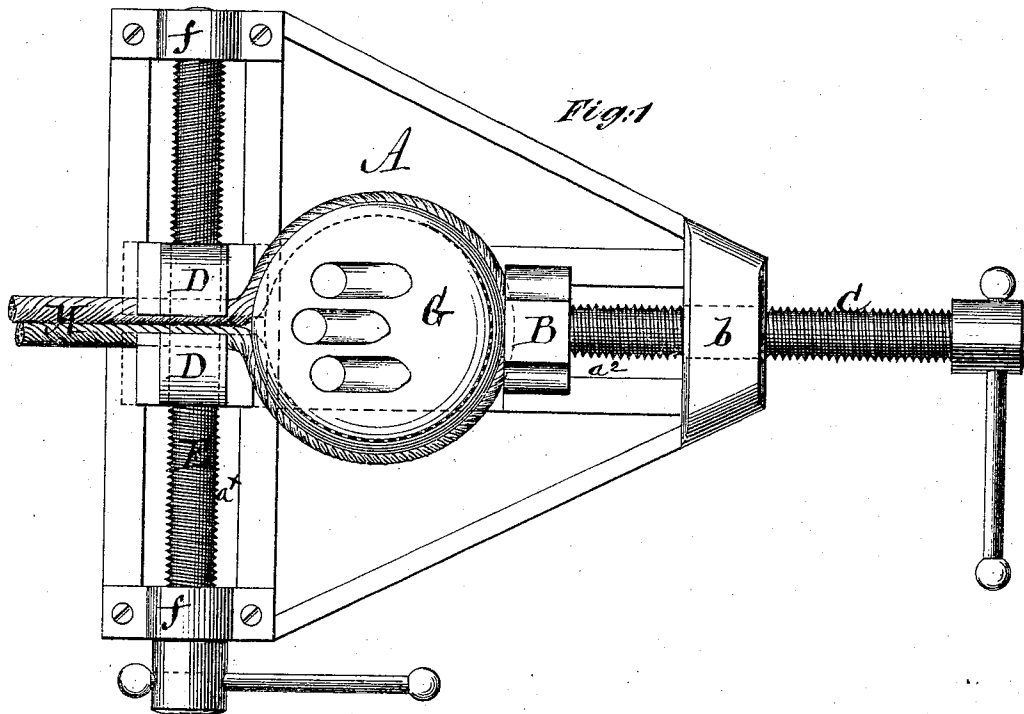


E. A. EVANS.
Adjustable Clamps for Riggers.

No. 153,551.

Patented July 28, 1874.



Witnesses:
Michael Ryan
Fred Hapner

E. A. Evans
by his Attorneys
Rountree & Allen

UNITED STATES PATENT OFFICE

EDWARD A. EVANS, OF BROOKLYN, NEW YORK.

IMPROVEMENT IN ADJUSTABLE CLAMPS FOR RIGGERS.

Specification forming part of Letters Patent No. **153,551**, dated July 28, 1874; application filed May 29, 1874.

To all whom it may concern:

Be it known that I, EDWARD A. EVANS, of Brooklyn, in the county of Kings and State of New York, have invented an Adjustable Clamp for Riggers, of which the following is a specification:

My invention relates to a device for the purpose of forming and "nippering in" rope around dead-eyes, blocks, thimbles, &c., designed more particularly for use in manipulating wire-rope, although it may be used in connection with rope made from other material.

The invention consists in the combination of a series of adjustable clamping-jaws, arranged and operating in the manner and for the purpose hereinafter particularly described.

In the accompanying drawing, Figure 1 is a top view of my invention. Fig. 2 is a longitudinal section of the same.

A represents a bed-plate of triangular form, on the face of which is a groove, a^x , running transversely across it near its base, and a similar groove, a^2 , running from the groove a^x to the apex of the triangle. These grooves are of dovetail or equivalent form, being wider at the bottom than at the top, in order to prevent the vertical displacement of the clamping-jaws, which slide therein. The back jaw B slides in the groove a^2 , and is operated by a screw, C, working in a seat, b , at the apex of the bed-plate. The side jaws D D slide in the groove a^x , and are operated by a screw, E, working in seats $f f$ at the corners of the base of the bed-plate, and having a right-hand thread on one half of its length, and a left-

hand thread on the other half. The rope H is placed around the block, thimble, or dead-eye G, which is then placed on the bed-plate, and the jaw B screwed up against it. The screw E is then turned so as to move the jaws D D simultaneously toward each other and toward the center, clamping the rope H around the block or dead-eye in the proper form for splicing. After the rope has thus been nippered in, a stopper is put on the rope to hold it while being spliced, and the block, thimble, or dead-eye is removed from the clamp. After the rope has been spliced and stretched, the block or dead-eye may be again put in the clamp and re-formed or closed at the gap formed at the fork of the splice.

The jaw B may, if desired, be operated by a wedge or any other suitable device.

This invention simplifies and facilitates the operation of nippering in, especially with heavy ropes. It is adjustable to different sizes of ropes, blocks, dead-eyes, &c., and may be used in a vertical or horizontal position. It may be portable or fastened to a block or bench, as desired.

What I claim as new, and desire to secure by Letters Patent, is—

The combination of the adjustable back jaw B and the pair of simultaneously-adjustable side jaws D D, operating together substantially as shown and described.

EDWARD A. EVANS.

Witnesses:

MICHAEL RYAN,
FRED. HAYNES.