

No. 646,008.

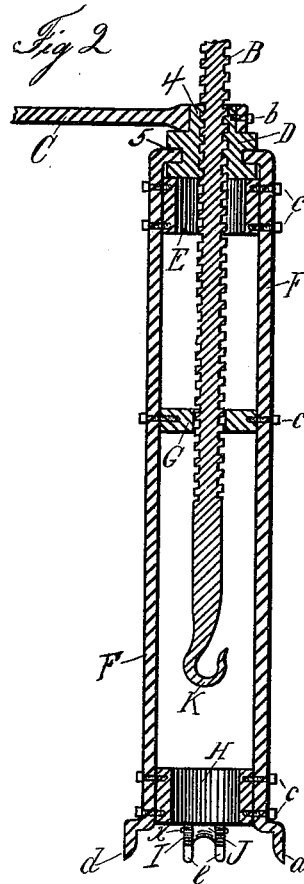
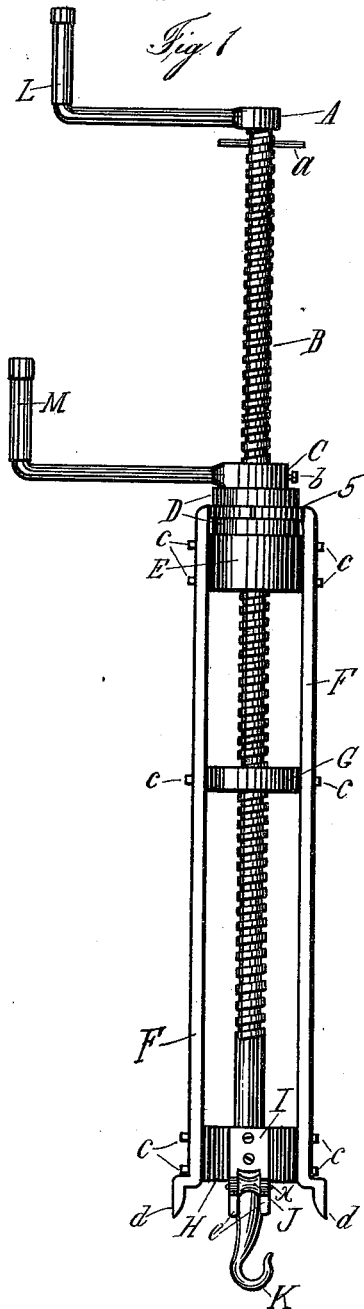
Patented Mar. 27, 1900.

D. NEALE.

BRUSH MAT QUILTER.

(Application filed May 6, 1899.)

(No Model.)



WITNESSES
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DAVID NEALE, OF FORT CALHOUN, NEBRASKA.

BRUSH-MAT QUILTER.

SPECIFICATION forming part of Letters Patent No. 646,008, dated March 27, 1900.

Application filed May 6, 1899. Serial No. 715,872. (No model.)

To all whom it may concern:

Be it known that I, DAVID NEALE, residing at Fort Calhoun, in the county of Washington and State of Nebraska, have invented certain useful Improvements in Brush-Mat Quilters; and I do hereby declare that the following is a full, clear, and exact description thereof, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

This invention relates to a brush-mat quilter.

In building ripraps and jetties in which fascines are used it is found highly desirable to use in conjunction with these fascines a brush-mat.

The object of my invention is more particularly to provide a tool by means of which brush used in making the mats is compactly compressed between two cables. My present invention relates to a tool by means of which these cables can be expeditiously handled in compressing the brush.

In the accompanying drawings, Figure 1 shows a side elevation of one of my brush-mat quilters, while Fig. 2 shows an enlarged broken detail of the same.

My invention embodies, essentially, a frame embodying the two separate bars F F, which above are each provided with a half-section of a ring 5, each of the bars below further being provided with outwardly-extending shoulders *d*. The upper ring-section 5 is an integral part of the bar to which it is connected, as is shown. Uniting these frame-sections below is a ring H, which by means of the screws *c* secures these two bars F below. Intermediately and preferably nearer the upper end I provide a guide-collar G, also held by means of suitable screws *c*. At the upper end the two bars F F, below the ring-sections 5, are rigidly held by means of a suitable ring E, also secured by means of screws *c*. Held upon the ring-sections 5 and resting upon the ring E is a sleeve D, provided with a suitable groove, as is shown in Fig. 2, to receive the ring-sections 5, while above this sleeve is further provided with the extension 4, to which is secured a suitable operating-stem provided with a handle M, as is shown in Fig. 1. By

this means it will be noticed that the sleeve D is revolvably held within the upper end of the frame and is provided with an operating-handle. Extending through this sleeve is a suitable screw-thread within which is held the screw B, which below is provided with a hook K and above with the operating-stem A, terminating in the handle L, and a suitable distance below this operating-handle A is positioned a pin *a*, which acts as a stop. This screw is guided within the collar G, as is shown more particularly in Fig. 2. Secured to the lower ring H are the brackets I, within which are held the rollers J, working upon a suitable shaft *x*, as is shown in the drawings.

Now in using my device as a brush-mat quilter the device is placed upon the upper strand, so that the pulleys J thereof ride upon the same, while the projections *d* prevent the frame from slipping around. Then in order to raise the lower strand to bring it up to the upper it is simply necessary to revolve the handle M so that the screw is lowered in order that the hook K may grasp the cable. It is of course understood that, if desired, the handles A and C can be replaced by suitable hand-wheels. The hook K, having grasped the lower cable, is raised by means of the threaded collar, and the slack within the cable within the hook K can then be readily taken up in revolving the screw B, so as to twist the wire within the hook. In order to remove the hook from the loop of the twisted wire, it is simply necessary to operate the threaded sleeve D to carry the hook downward to permit its escaping out of the loop.

While I primarily intend to use this device as a brush-mat quilter, the same is nicely adapted to be used as a wire-stretcher, in that the frame may be placed against the fence-post, while the hook K is then drawn toward said sleeve to stretch the wire. So, also, can the rollers be placed directly upon a wire, which can then be engaged by the hook to take up the slack. The wire can then be twisted by means of the handle A.

The device is neat and simple of construction, and,

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

1. The combination with a suitable support-

ing-frame, of a threaded sleeve revolubly held within one end of said frame, a screw revolubly held within said sleeve adapted to project beyond the lower end of said frame and
5 provided with a suitable hook, means to rotate said screw and an operating-handle secured to said sleeve, as and for the purpose set forth.

2. The combination with an open-ended
10 supporting-frame, of a guide-collar intermediately positioned within said frame, a threaded sleeve revolubly held within the upper end of said frame, a handle secured to said sleeve to rotate the same, a screw passing through
15 said threaded revolubly-held sleeve and through said guide-collar, a hook secured to

the lower end of said screw, and means to rotate said screw.

3. The combination with a suitable supporting-frame, of guide-pulleys within the lower
20 end of said frame, a sleeve revolubly held within the upper end of said frame, a screw revolubly held within said sleeve adapted to project beyond the lower end of said frame, and means to rotate said screw, all arranged
25 substantially as and for the purpose set forth.

Signed in the presence of two witnesses.

DAVID NEALE.

Witnesses:

MABEL A. DODSWORTH,
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