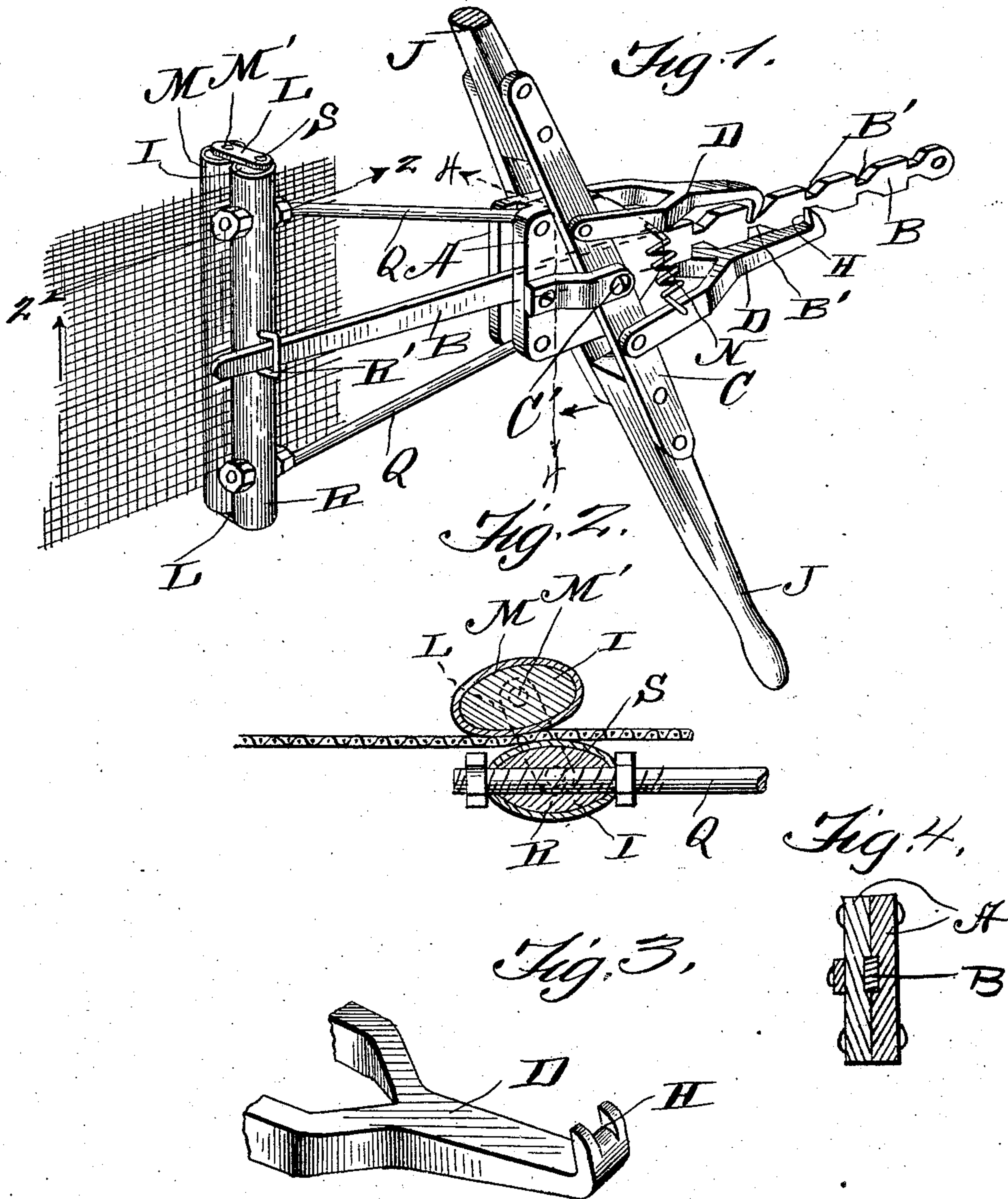


No. 849,910.

PATENTED APR. 9, 1907.

C. P. MOORE.
WIRE STRETCHER,
APPLICATION FILED DEC. 18, 1906.



Inventor

C. P. Moore,

By

Franklin A. Hough,

Attorney

Witnesses

R. M. Brown,
A. L. Hough.

UNITED STATES PATENT OFFICE.

CHARLEY P. MOORE, OF SARDIS, TENNESSEE.

WIRE-STRETCHER.

No. 849,910.

Specification of Letters Patent.

Patented April 9, 1907.

Application filed December 18, 1906. Serial No. 348,388.

To all whom it may concern:

Be it known that I, CHARLEY P. MOORE, a citizen of the United States, residing at Sardis, in the county of Henderson and State of Tennessee, have invented certain new and useful Improvements in Wire-Stretchers; 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 same, reference being had to the accompanying drawings, and to the letters and figures of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in wire-stretchers, and comprises, essentially, a ratchet-bar adapted to have a longitudinal movement in recessed plates and a rocking beam carrying dogs with recessed ends designed to engage the notches of the bar, whereby the latter may be given an intermittent longitudinal movement, and in the provision of clamping means connected to the plates.

My invention is illustrated in the accompanying drawings, in which—

Figure 1 is a perspective view of my improved wire-stretcher. Fig. 2 is a sectional view showing the clamping relation between the rollers; and Fig. 3 is a detail view of one of the dogs, showing the recessed hooked end. Fig. 4 is a cross-sectional view through the plates, showing the recesses therein.

Reference now being had to the details of the drawings by letter, A A designate two plates which have central recesses formed therein in which the ratchet-bar B is adapted to be guided. Said bar has teeth B' upon its opposite edges, and C designates a rocking beam pivotally mounted upon the pins C', carried by said plates, and D designates two dogs, the bifurcated ends of which are pivotally connected to said rocking beam, and the ends of said dogs are hooked and adapted to engage the teeth upon the opposite edges of said ratchet-bar. Each hooked end of the dogs is recessed, as at H, forming means whereby the dogs may be guided as they are moved alternately forward, the recessed portion fitting over the opposite edges of the

ratchet-bar. Springs N connect the two dogs and are adapted to hold the hooked ends thereof in engagement with the notched edges of the ratchet-bar. Suitable handles J are fastened to the ends of said rocking beam, whereby the same may be conveniently operated. Fastened to said plates are the rods Q, the rear ends of which are fastened to an elliptical-shaped clamping member R, which has a strap R' thereon, through which said ratchet-bar is guided as it is moved longitudinally. Pivotally mounted upon the pins S, which project from the filling-blocks I, mounted within said member R, are the links L, and M designates a second elliptical clamping member, similar in construction to the member which is connected to said rods, and a filling-block in said member M is provided with pins M', to which said links are pivotally connected.

From the foregoing construction it will be noted, when taken in connection with the drawings, that the clamping member M is allowed a swinging movement, while the member connected to said rods is stationary. It will also be noted that when the clamping member M is swung laterally a portion of the circumference thereof may be brought into clamping relation with the circumference of the stationary clamping member, and the stronger the pull upon the stretching device the more securely will the two clamping members contact frictionally with each other and between which members the wire adapted to be stretched is held frictionally.

One end of the stretching device being attached to a post or other stationary object and the wire fabric placed between the clamping members, the apparatus is in readiness for operation. By rocking the beam carrying the dogs it will be noted that the hooked ends of the dogs will alternately engage the teeth or notches upon the outer edges of the ratchet-bar and cause a step-by-step movement to be imparted longitudinally to the latter, thus causing the fabric to be stretched to the required tension.

What I claim is—

A wire-stretcher comprising a ratchet-bar with notches upon the opposite edges there-

of, plates between which said bar is guided, a
rocking beam pivotally mounted upon said
plates, dogs pivotally connected to said beam
and having hooked ends which are grooved
5 and adapted to engage one over each notched
edge of said bar and be guided thereon by the
grooves engaging over the edges of the bar
intermediate the notches, springs connecting

said dogs, and clamping members connected
to said plates, as set forth. 10

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

CHARLEY P. MOORE.

Witnesses:

E. H. STEWART,

S. H. BRAZELTON.