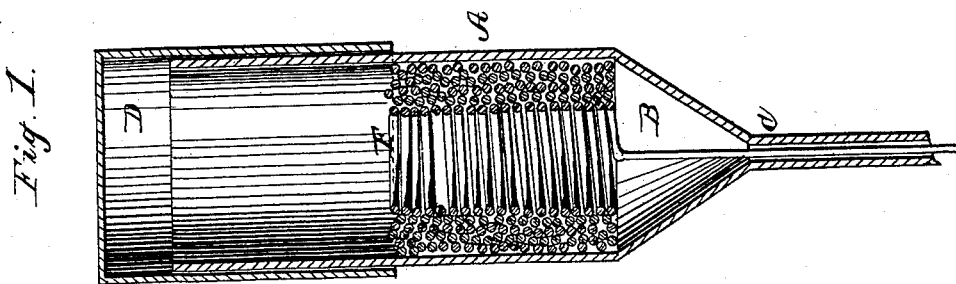
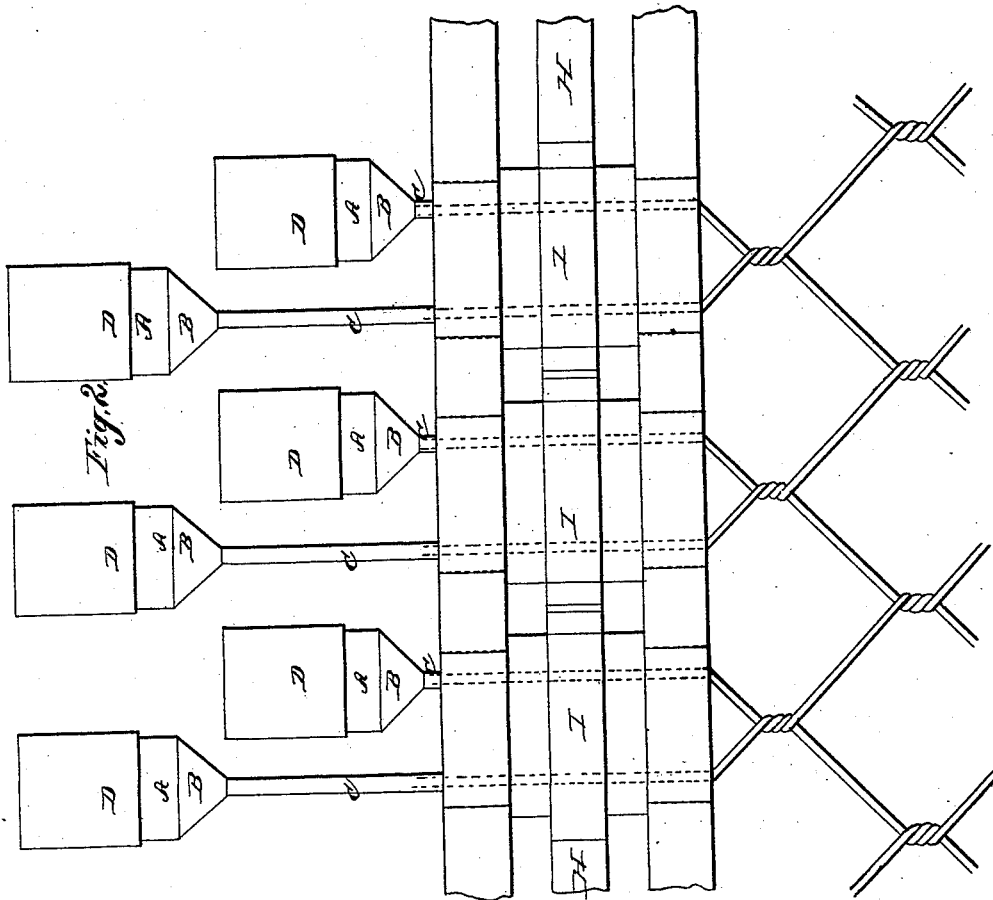


C. K. SAWYER.
Wire-Holder for Making Fence-Cable.

No. 209,520.

Patented Oct. 29, 1878.



Witnesses:
J. B. Arthur
C. L. Evert

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per
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Attorneys.

UNITED STATES PATENT OFFICE.

CALEB K. SAWYER, OF CLINTON, MASSACHUSETTS.

IMPROVEMENT IN WIRE-HOLDERS FOR MAKING FENCE-CABLES.

Specification forming part of Letters Patent No. 209,520, dated October 29, 1878; application filed April 9, 1878.

To all whom it may concern:

Be it known that I, CALEB K. SAWYER, of Clinton, in the county of Worcester and State of Massachusetts, have invented certain new and useful Improvements in Apparatus for Making Wire Fence; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

The nature of my invention consists in the construction and arrangement of a device for making wire fences, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a central vertical section of the cup for holding the wire, and Fig. 2 a side elevation of a portion of the machine, showing the manner of using the cups.

A represents a sheet-metal cylinder of any suitable dimensions, open at one end and terminating in a funnel, B, at the other end, from the apex of which funnel extends a tube, C, as shown. The open end of the cylinder A is provided with a cap, D, as shown, closing over the same.

The wire is placed in the form of a cop or ball, E, in the cylinder A and the wire drawn from the inside of such cop or ball through the end of the funnel B and the tube C.

A series of these devices are used in making

a wire fence, in the manner shown in Fig. 2, a series of gears, I, being operated by a rack-bar, H, and two wires passing through each gear. These gears are made in two parts, divided in the center, and they are made to revolve twice around, twisting the wires, and then passing from one to the other, thereby forming the diamond-shaped mesh and making any width of fence desired.

The wire is drawn from the inside of the ball F and comes from the same in coils, and is effectually straightened in passing through the funnel or concaved end of the cylinder and through the pipe or tube before it goes through the gear, thus preparing the wire to make uniform and even meshes in the fence.

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

In a machine for making wire fencing, the combination of the hollow cup or cylinder A, provided with the concaved end B and projecting tube C, and the cover D, all constructed and arranged as described, whereby the wire is drawn from the inside of the ball or cop and straightened by being drawn through the concaved end and tube, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

CALEB K. SAWYER.

Witnesses:

WM. B. ORCUTT,
F. T. ORCUTT.