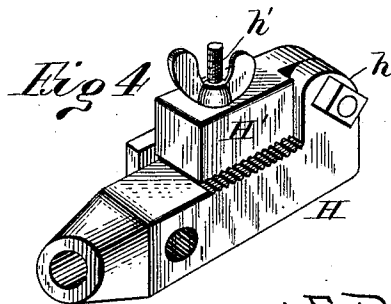
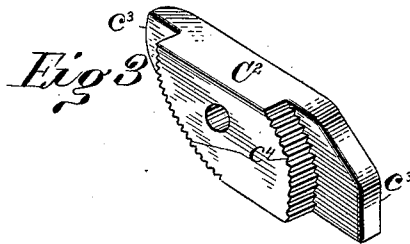
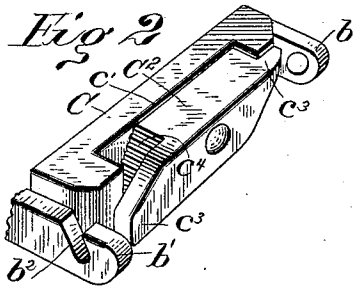
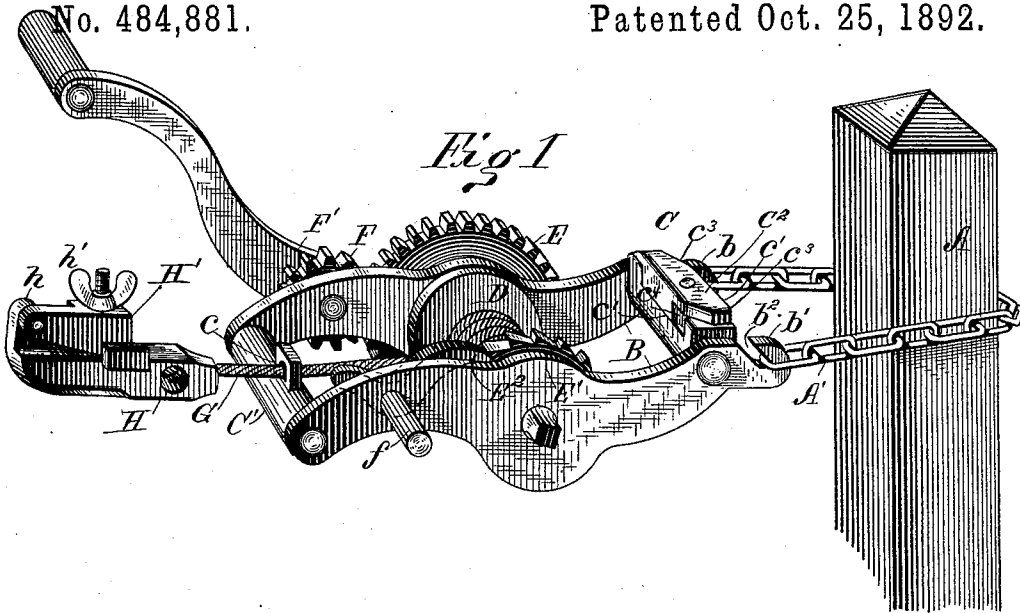


(No Model.)

J. F. PRICE.
WIRE STRETCHER AND SPLICER.

No. 484,881.

Patented Oct. 25, 1892.



WITNESSES:

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UNITED STATES PATENT OFFICE.

JOSEPH F. PRICE, OF EXETER, NEBRASKA.

WIRE STRETCHER AND SPLICER.

SPECIFICATION forming part of Letters Patent No. 484,881, dated October 25, 1892.

Application filed May 21, 1892. Serial No. 433,853. (No model.)

To all whom it may concern:

Be it known that I, JOSEPH F. PRICE, a citizen of the United States, residing at Exeter, in the county of Fillmore and State of Nebraska, have invented certain new and useful Improvements in Wire Stretchers and Splicers; 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.

This invention relates to a new and useful improvement in wire stretchers and splicers; and it consists in the construction and arrangements of the parts hereinafter described, and definitely pointed out in the claim.

The object of this invention is the provision of an improved device for stretching wire on wire fences and for splicing the same, which will be simple in its construction, easily operated, readily applied, and cheaply manufactured. These objects I obtain by the construction illustrated in the accompanying drawings, wherein like letters of reference indicate like parts in the several views, and in which—

Figure 1 is a perspective view of the device. Fig. 2 is a detail view of the forward cross-bar with the binding attachment. Fig. 3 is a detail view of the binding attachment, and Fig. 4 is a detail view of the wire-clamp.

In the present art relative to this class of inventions it has been customary to utilize wire-clamping devices secured to ropes or cords wound on a suitable shaft or drum mounted in a frame, the shaft carrying the actuating crank and ratchet and the frame carrying a pawl engaging the ratchet. To this class of devices my invention is designed more particularly to be an improvement.

In the drawings, A represents a fixed support or post, B the two side bars, and C and C' the end bars of the frame of the stretcher. The side bars B are curved downwardly toward their front ends, as shown, and carry at their centers the winding drum or shaft D, extending laterally across the frame. On one end of the shaft outside of the frame is mounted the gear-wheel E, while on the opposite end of the shaft is fixed the ratchet-wheel E', with which the pawl E² engages.

F represents a pinion mounted on a suit-

able shaft on one side bar of the frame, the pinion meshing with the gear E. F' represents a crank for actuating the gear F. The crank and pinion are removably held on the shaft supporting the same and may be transferred to a similar shaft *f* on the opposite side of the frame, while the gear E may be removed from the end of the shaft on which it is placed and transferred to the opposite end of the shaft, which is squared to receive it. By this means the stretcher may be used as a right or left handed stretcher.

b and *b'* represent extensions of the side bars, the former having an eye therein, while the latter has an inclined groove *b*², opening upward. A' is a chain having one end secured in the eye of the extension *b* and passed around the post, its opposite end being inserted in the hook portion of the other extension of the frame and held therein.

G is a rope secured on the shaft D and passing through an eye *c* on the cross-bar C'. The outer end of the rope has a clamp H, formed with an ear *h*, to which is pivoted the dog H'. Through the clamp and dog at one side of their centers is passed a bolt *h'*, having a butterfly-nut on its upper end, bearing against the upper face of the dog. Suitable teeth are formed on the inner face of the dog.

The cross-bar C has a recess *c'* in its upper face, the end walls of which are formed with teeth or serrations. In this recess is pivoted a double-faced dog C², having extensions *c*³ at opposite ends and the gripping-faces *c*⁴, curved in opposite directions to form a clamp in connection with the serrated end walls as the dog is turned. This dog is pivoted eccentrically on the cross-bar, so that when turned longitudinally a wide space will be left between the wall at one end and the dog to admit of the ready insertion of the wire. By this construction it will be seen that a wire extending from either direction may be clamped by the dog, so that the device may be used for splicing as well as stretching.

In operation the wire is secured in the clamp H, and the stretcher secured to the post by the chain. By turning the crank the rope will be wound on the drum, thereby taking up the slack wire. When a new hold is to be had, the wire is placed in the recess of the front cross-bar, the dog turned against the same,

and the wire thereby clamped in place. When the device is used for splicing, one end of the wire is placed in the clamp H, while the end of the opposite wire is placed in the opposite
5 end of the front cross-bar and the dog brought in engagement therewith, and owing to its eccentric pivoting the greater the strain on the wire the tighter the clamp is made.

By the construction of the frame, it will be
10 seen that the severed ends of the wires are brought directly over the frame, where they can be readily twisted or spliced without the interference of the device or frame.

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

In a wire-stretcher, the combination, with

the frame consisting of two curved side bars, an end bar having an eye thereon, and a recessed end bar at the opposite end, the end walls of
20 the recess being serrated, of a winding-drum, means for actuating the drum, a rope on the drum, passing through the eye on the end bar, a clamp on the rope, and a pivoted dog in the recess of the forward end bar, having oppo-
25 sitely-inclined gripping-faces, and projections extending above the end walls of the recess, substantially as described.

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

JOSEPH F. PRICE.

Witnesses:

GEORGE H. PRITCHARD,

DANIEL Z. KOCHENDARFER.