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PATENTED NOV. 28, 1905.

J. G. REGENIER & M. F. HAMBY.

WIRE SPLICER AND TIGHTENER.

APPLICATION FILED JULY 6, 1905.

FIG. 1.

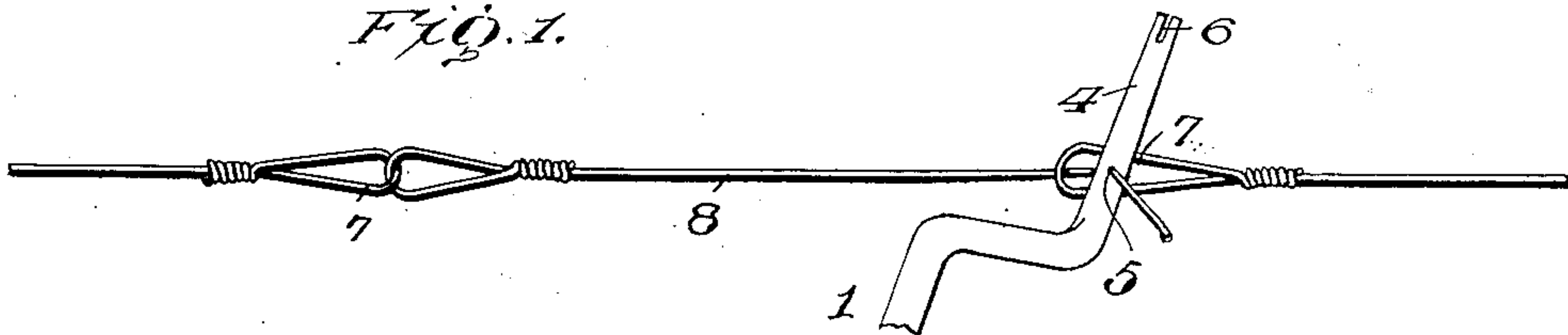


FIG. 2.

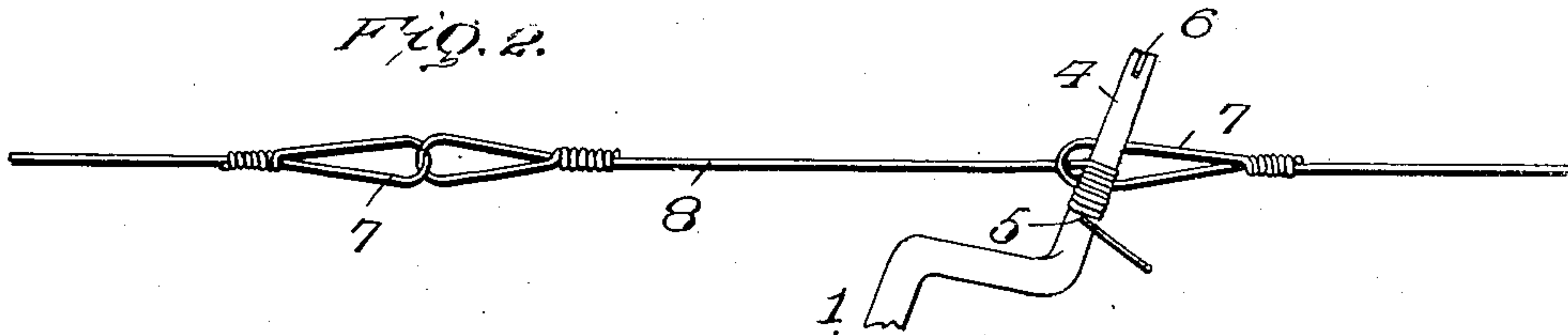


FIG. 3.

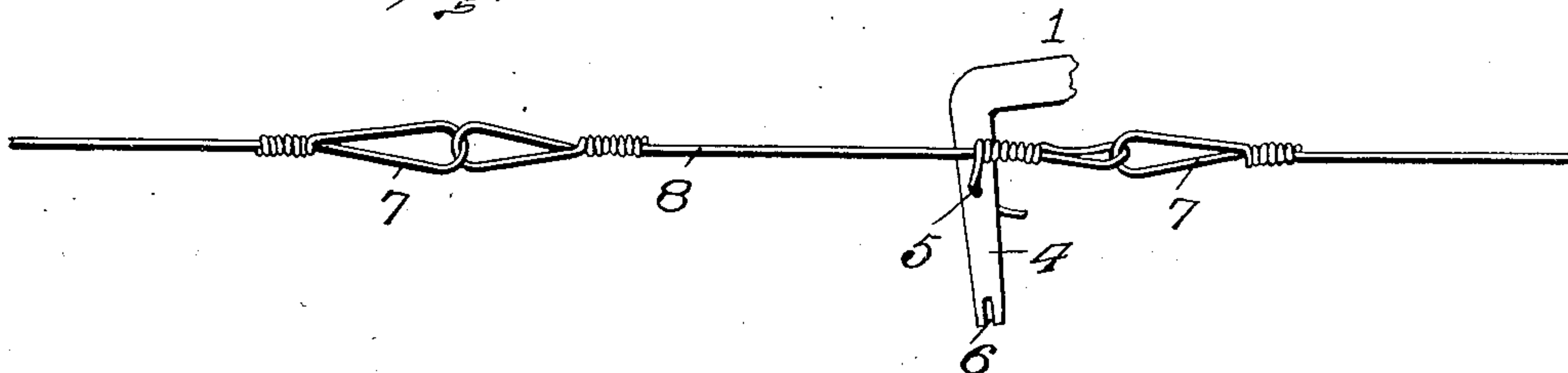


FIG. 4.

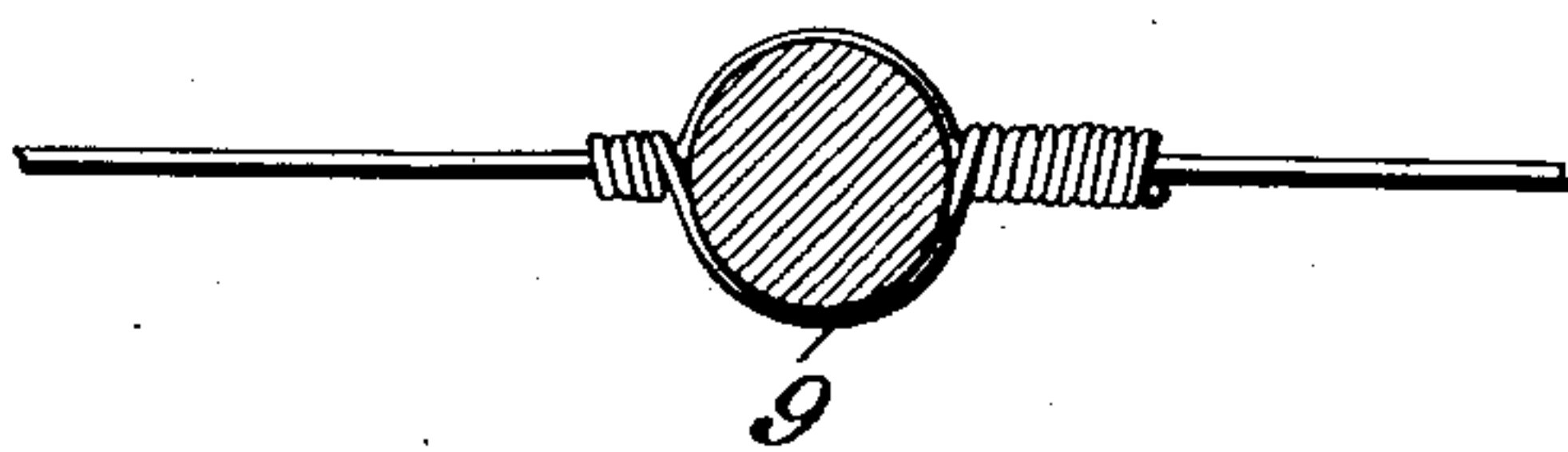
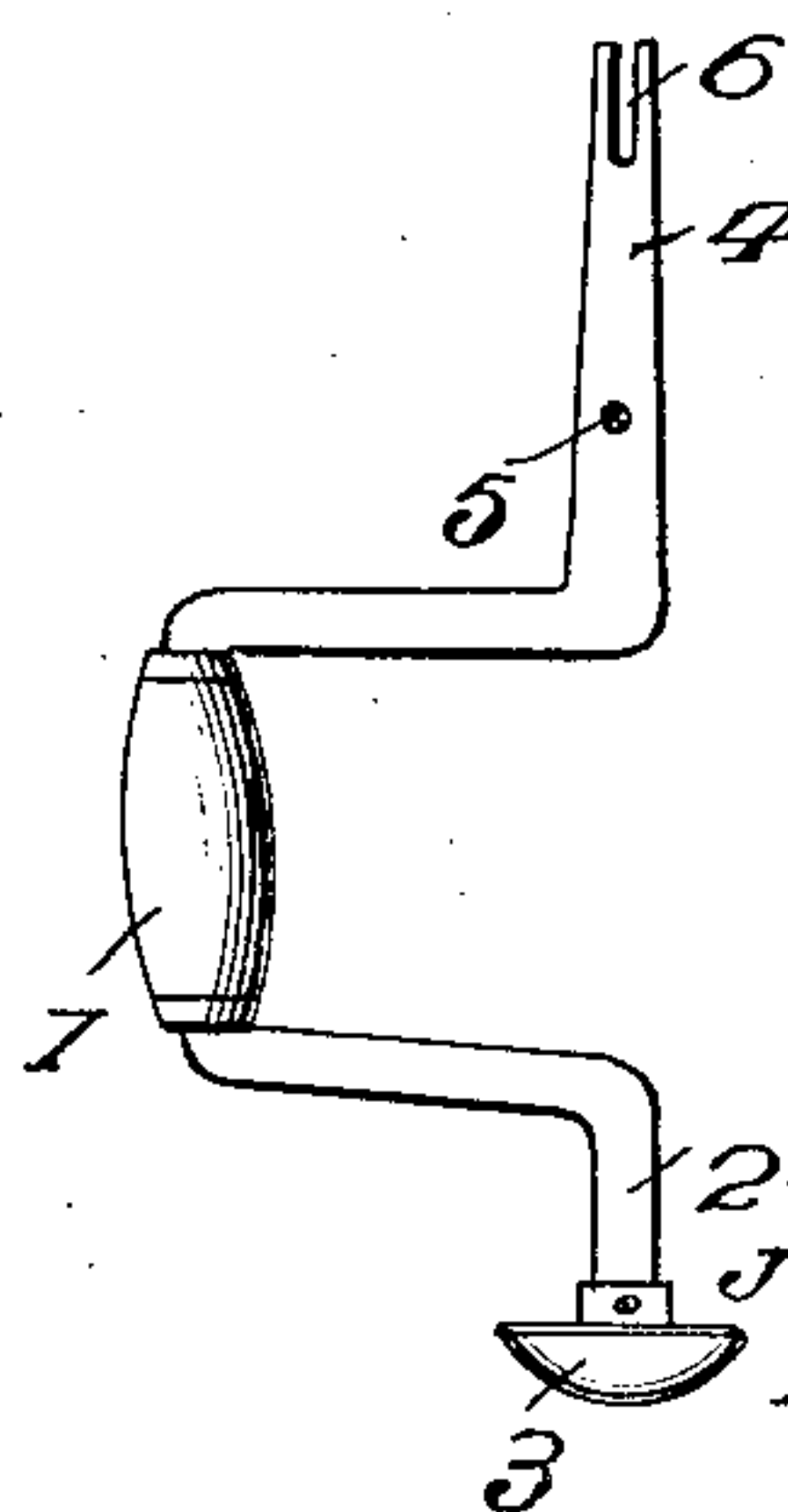


FIG. 5.



Witnesses

*W. M. Amie*  
*W. N. Hoodson*

By

*R. L. A. Racy* Attorneys.

Inventors,

J. G. Regnier.

M. F. Hamby.

# UNITED STATES PATENT OFFICE.

JOHN G. REGENIER AND MARION F. HAMBY, OF FORT MCKAVETT, TEXAS.

## WIRE SPLICER AND TIGHTENER.

No. 805,666.

Specification of Letters Patent.

Patented Nov. 28, 1905.

Application filed July 6, 1905. Serial No. 268,317.

*To all whom it may concern:*

Be it known that we, JOHN GERALD REGENIER and MARION FRANKLIN HAMBY, citizens of the United States, residing at Fort McKavett, in the county of Menard and State of Texas, have invented certain new and useful Improvements in Wire Splicers and Tighteners, of which the following is a specification.

This invention relates to improvements in wire-stretchers, and is designed more particularly for the repair of wire fences, although it may be used for stretching telegraph-wires or for similar purposes.

The object of the invention is to produce a device of this character which will be extremely light in weight and compact in structure, so that it can be readily transported from place to place and by the use of which fence-wires can be easily and quickly repaired or tightened.

For a full description of the invention and the merits thereof, and also to acquire a knowledge of the details of construction of the means for effecting the result, reference is to be had to the following description and accompanying drawings, in which—

Figure 1 is a perspective view, partly in section, showing the tool in position for repairing a broken wire. Fig. 2 is a similar view showing the tool after it has been turned so as to wind up the splice-wire. Fig. 3 is a similar view showing the tool as employed in coiling the end of the splice-wire around the main wire. Fig. 4 is a plan view showing the method of employing the device to tighten an unbroken wire by binding same about a post. Fig. 5 is a side view of the wire-stretcher.

Corresponding and like parts are referred to in the following description and indicated in all the views of the drawings by the same reference characters.

The wire-tightener is preferably formed out of a metal bar provided with a crank portion 1. One end of the bar is adapted to be used as a handle and may be provided with a knob 3. The opposite end of the bar 4 is tapered toward the extremity and is provided with a transverse opening 5, adapted to have the wire to be stretched passed therethrough. The extremity of the end 4 is provided with

a notch 6, which is employed in bending the wire in order to loop the ends of same.

In order to repair a broken wire, the ends of the wire to be joined are bent back upon themselves by means of the notch 6 and loops 7 are formed. A piece of splice-wire 8 is then permanently attached, preferably, to the left-hand loop, and is then passed through the opposite loop 7 and the transverse opening 5 in the tool. By turning the crank portion 1, preferably to the right, the splice-wire is wound around the end 4 of the tool, and the fence-wires may be drawn to any desired degree of tension. When they have been drawn sufficiently tight, the wire is grasped by pliers or any suitable tool to prevent its turning, and the wire-stretcher is turned around the splice-wire in order to coil the end of same thereabout and make the connection permanent. Owing to the fact that the end 4 of the implement is tapered the wire which is wound upon it will readily slip off and wind around the main wire as the tightener is revolved about same. If it is desired to tighten a fence-wire without cutting same or to fasten the wire to fence-posts, either iron or wooden, a supplemental piece of wire is attached to the main wire at one side of the post and is then passed either around the post or through an opening therein and under the main wire upon the opposite side of the post, after which it is bent upwardly. The end of the supplemental wire is then passed through the opening 5 in the wire-stretcher and the wires tightened and secured in the usual manner.

It will thus be understood that we have invented a wire splicer and tightener which is very simple and durable in construction and which can be manufactured at comparatively small cost.

Having thus described the invention, what is claimed as new is—

1. A wire tightener and splicer comprising a metal rod provided with a crank portion, one end of the rod being adapted to serve as a handle while the opposite end of the rod is tapered toward the extremity and is provided with a transverse opening adapted to have the wire to be stretched passed therethrough.

2. A wire tightener and splicer comprising a metal rod which is provided with a crank



portion, one end of the rod being adapted to serve as a handle while the opposite end of the rod has a transverse opening adapted to have the wire to be stretched passed therethrough, and is provided at its extremity with a notch which may be employed in bending the wire in order to form loops.

In testimony whereof we affix our signatures in presence of two witnesses.

JOHN G. REGENIER. [L. S.]

MARION F. HAMBY. [L. S.]

Witnesses:

J. D. SCRUGGS,  
JAMES CALLAN.