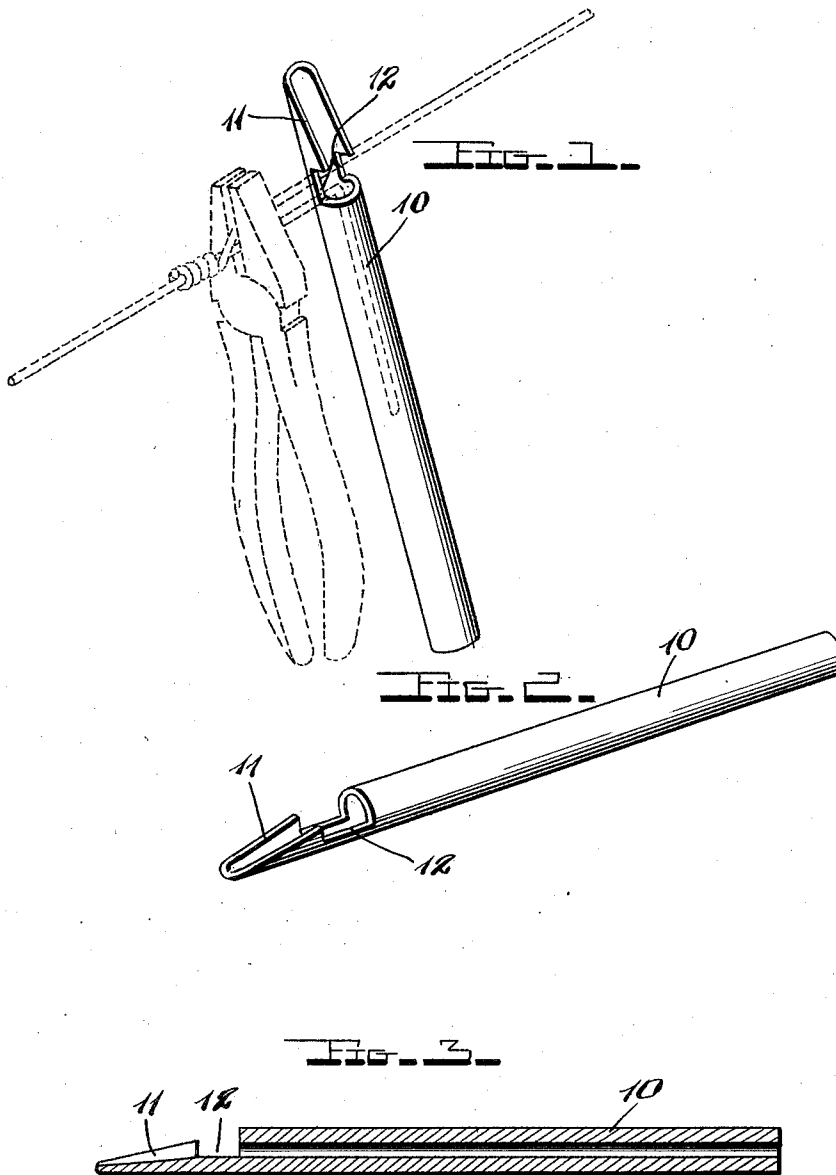


H. L. CROWMER.
WIRE SPLICING TOOL.
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1,039,104.

Patented Sept. 24, 1912.



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WIRE-SPLICING TOOL.

1,039,104.

Specification of Letters Patent.

Patented Sept. 24, 1912.

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To all whom it may concern:

Be it known that I, HARVEY L. CROWMER, a citizen of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Wire-Splicing Tools, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention relates to a splicing tool used for connecting the ends of various sizes of wire and which is designed to be used by a lineman as well as a farmer in splicing the ends of a wire fence.

15 The primary object of the present invention is to construct an instrument for connecting the ends of wires which will be simple in construction, strong, durable and efficient in use, and one which will be inexpensive in the cost of manufacture.

20 Other objects of the present invention will be apparent hereinafter as the description continues.

25 With the above and other objects in view this invention consists of a tool comprising one integral piece of tubing having such a formation and arrangement of parts that will facilitate the splicing of wire which will be hereinafter more fully described, claimed and particularly pointed out in the 30 appended drawings in which,

Figure 1 is a perspective view of the joining ends of the wires which are held together by a plier, clamp or any other tool and having my improved splicer applied thereto before the connection is made; Fig. 2 is a perspective view embodying my invention; and Fig. 3 is a longitudinally extending section through the same illustrating a modified form.

40 Reference now being had more particularly to the drawing wherein like parts are illustrated by like numerals throughout the several views, I will first describe my improved splicing tool and then its operation in conjunction with making a splice.

45 This tool comprises a tubular member 10 which is formed of one integral piece of piping having one end thereof cut away adjacent the center thereof and terminating into a beveled portion 11. Formed within the cut away portion at the inner end of the beveled end 11 is a recess portion 12 for receiving the wire when in use which extends below the central portion of the tool

and retains the wire within the same when making the splice. The opposite end of the tool is used as a handle in coiling the wire as will be hereinafter described.

In using this instrument in making a splice the ends of the wire which are to be joined first overlap one another and are then gripped together by a clamp, plier or any other suitable tool and the extremities thereof are then bent at right angles as more clearly illustrated in Fig. 1 of the drawing. My improved splicing tool is then inserted over the extremity of one wire and the adjoining ends of the wires rest within the recess 12 and it is obvious that as the tool is rotated it will coil the end of the wire inserted into the tool upon the opposite wire and by inserting the tool then upon the outer extremity of the other wire and coiling the same upon the opposite wire as before described the splice will be completed which will prevent the joining ends of the wire from severing or slipping apart.

In splicing the ends of very fine wire an instrument is used as illustrated in Fig. 3 of the drawing wherein the handle of the tool is provided with a comparatively small opening of such a diameter to freely admit the wire therein. It will be seen from an instrument of this character that as the same is rotated it will have a better grip upon the ends of the wire and thereby make a much tighter coil which will prevent fine wires from slipping.

Whereas I have shown a splice in conjunction with my invention I do not desire to lay any claim thereupon but what I desire to limit my invention to is the instrument for making this splice which will be inexpensive in the cost of producing the same and I desire to lay great stress upon the simplicity of the same.

Whereas I have illustrated the specific embodiment of the present invention it is of course to be understood that other minor details of construction and formation of parts may be resorted to that come within the scope of the present invention without sacrificing any of the principles thereof.

What I claim is:—

As a new article of manufacture, a splicing tool comprising an integral tubular member having a longitudinally extending opening formed therein for receiving one end of the wire, said tubular member hav-

ing a transversely extending recess formed therein adjacent one end thereof communicating with said opening and extending below the center thereof for receiving both of
5 the wires, the outer wall of said recess being of less height than the inner wall thereof, and a longitudinally inclined portion extending from said outer wall to the end of

the tubular member, substantially as and for the purpose described.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.
10 HARVEY L. CROWMER.

Witnesses:

WILLIAM D. GOODE,
ROY E. MONEY.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
