

No. 640,307.

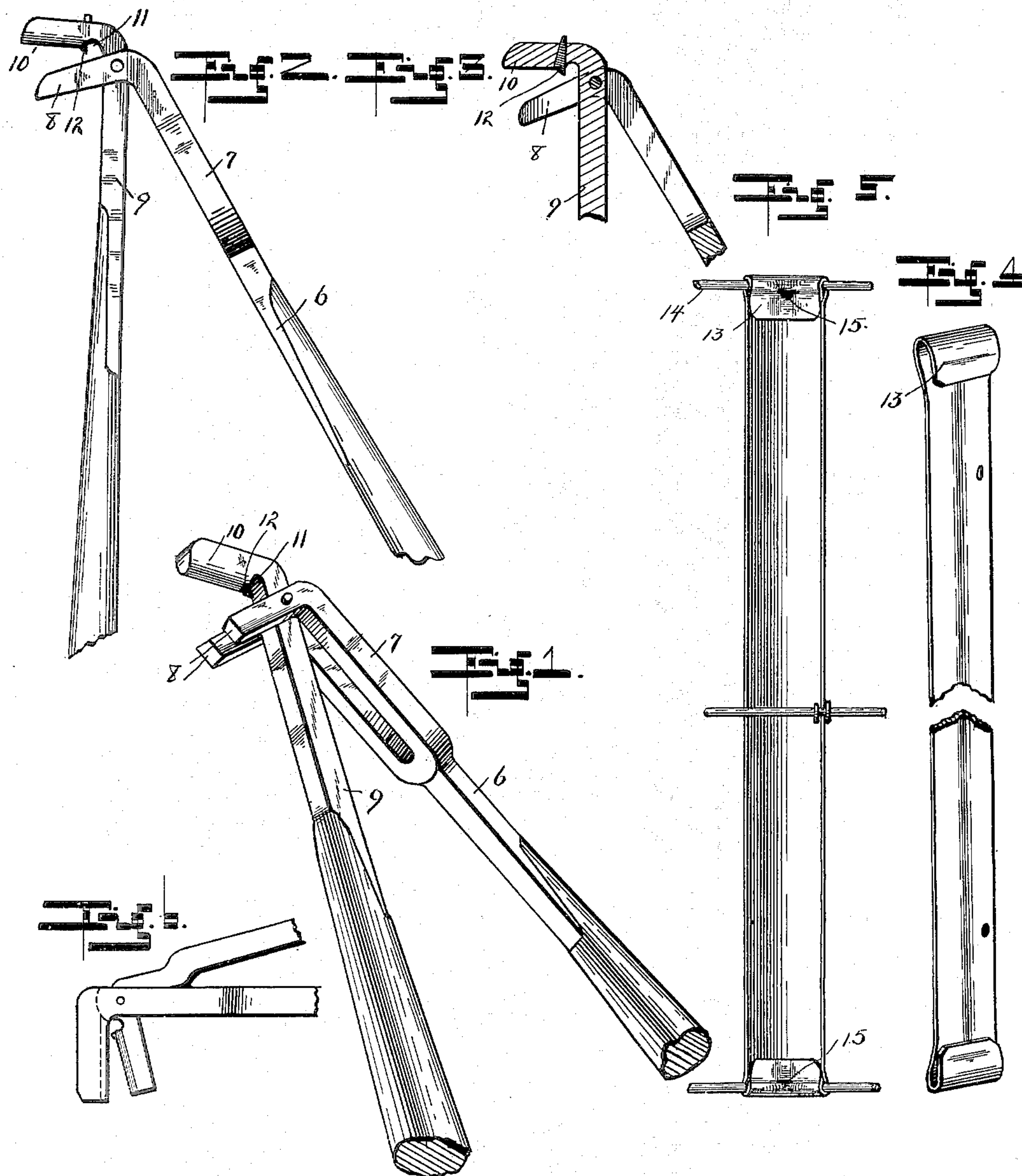
Patented Jan. 2, 1900.

W. H. JOHNSON & S. D. FRY.

TOOL FOR ATTACHING STAYS TO WIRE FENCES.

(Application filed Feb. 27, 1899.)

(No Model.)



WITNESSES :

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WILLIAM H. JOHNSON, OF VEEDERSBURG, AND STEPHEN D. FRY, OF ATTICA, INDIANA, ASSIGNORS, BY MESNE ASSIGNMENTS, OF ONE - THIRD TO ALFRED F. JOHNSON, OF VEEDERSBURG, INDIANA.

TOOL FOR ATTACHING STAYS TO WIRE FENCES.

SPECIFICATION forming part of Letters Patent No. 640,307, dated January 2, 1900.

Original application filed March 1, 1897, Serial No. 625,595. Divided and this application filed February 27, 1899. Serial No. 706,954. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM H. JOHNSON, residing at Veedersburg, and STEPHEN D. FRY, residing at Attica, in the county of Fountain and State of Indiana, citizens of the United States, have invented a new and useful Tool for Attaching Stays to Wire Fences, of which the following is a specification.

Our invention relates to an improvement in tools for attaching stays to wire fences.

The object of our invention is to produce a tool by means of which the stays described and claimed in our Patent No. 621,496, issued March 21, 1899, may be quickly, easily, and securely fastened in position, the present application being a division of said application.

The accompanying drawings illustrate our invention.

Figure 1 is a perspective view of the tool. Fig. 2 is a side elevation thereof. Fig. 3 is a central section of the operating-jaws. Fig. 4 is a perspective view of the fence-stay before its application to the fence. Fig. 5 is an elevation of said stay after it has been applied to the fence-wires. Fig. 6 is a modified form for use from the inside of the fence.

In the drawings, 6 indicates one arm of the tool, which arm is provided with a yoke 7, the sides of which terminate in a pair of fingers 8. Pivoted between the sides of yoke 7 is the other arm 9 of the tool, the said arm terminating in the finger 10. The fingers 8 and 10 are preferably formed at an angle to their respective arms, but need not necessarily be so.

At the root of finger 10 is formed a notch 11, whose width is somewhat greater than the diameter of the usual fence-runners, thus forming a shoulder adapted to wrap the stay about the runner. Mounted in the finger 10 at the outside edge of said notch is a cutter 12.

The fence-stay upon which the tool is to operate consists of a central corrugated portion and flattened ends, which ends are doubled, so as to form hooks 13, which are adapted to receive the fence-runners 14.

To apply the stay to the runners, it is first placed in position upon the fence, with the

hooks thereof embracing the adjacent runners. The tool is then placed with the finger 10 upon the concave side of the stay, the hook 13 and embraced runner lying between the finger 10 and the fingers 8 and adjacent to the notch 11. Finger 10 is then thrown toward fingers 8, the outer edge or shoulder of the notch 11 operating to press the end of the hook beneath the runner and the cutter 12, forcing a portion of the hook inward, so as to form a protruding lip 15, which is forced beneath the runner. At the same time the joint action of the finger 10 and the fingers 8 forms a kink or bend in the hook of the stay and the embraced portion of the runner. By this means the stay is secured to the runners in such manner that it cannot be slipped along the runner and the runner cannot be pressed downward, and thus be forced from the stay.

We claim as our invention—

1. A tool for attaching corrugated stays having a flattened end to wire fences, consisting of a member arranged to engage the stay on its concave side, and a second member arranged to support the stay upon the convex side, upon both sides of the first member, and means carried by said first member for engaging the end of the stay and forcing it beneath the fence-wire, the arrangement being such that the flattened end of the stay is corrugated and the inclosed portion of the fence-wire kinked.

2. A tool for attaching stays to wire fences, consisting of a pair of fingers adapted to engage the stay upon one side, a finger mounted between said pair of fingers and adapted to engage the stay upon the opposite side, and a cutter carried by said finger and adapted to force a lip beneath the runner.

3. A tool for attaching stays to wire fences, consisting of a pair of fingers adapted to engage the stay upon one side, a finger mounted between said pair of fingers and adapted to engage the stay upon the opposite side, and means carried by said finger for forming a lip or lug upon the stay in position to engage the fence-wire.

4. A tool for attaching stays to wire fences, consisting of a pair of fingers adapted to engage the stay upon one side, a finger mounted between said pair of fingers and adapted to engage the stay upon the opposite side, a groove formed in the face of said finger, and a cutter also carried by said finger in position to form a lip or lug on the stay in position to engage the fence-wire.

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