(No Model.)

W. D. HOYT.

WIRE TIGHTENER.

No. 471,551. Patented Mar. 29, 1892.

Fig. 1.

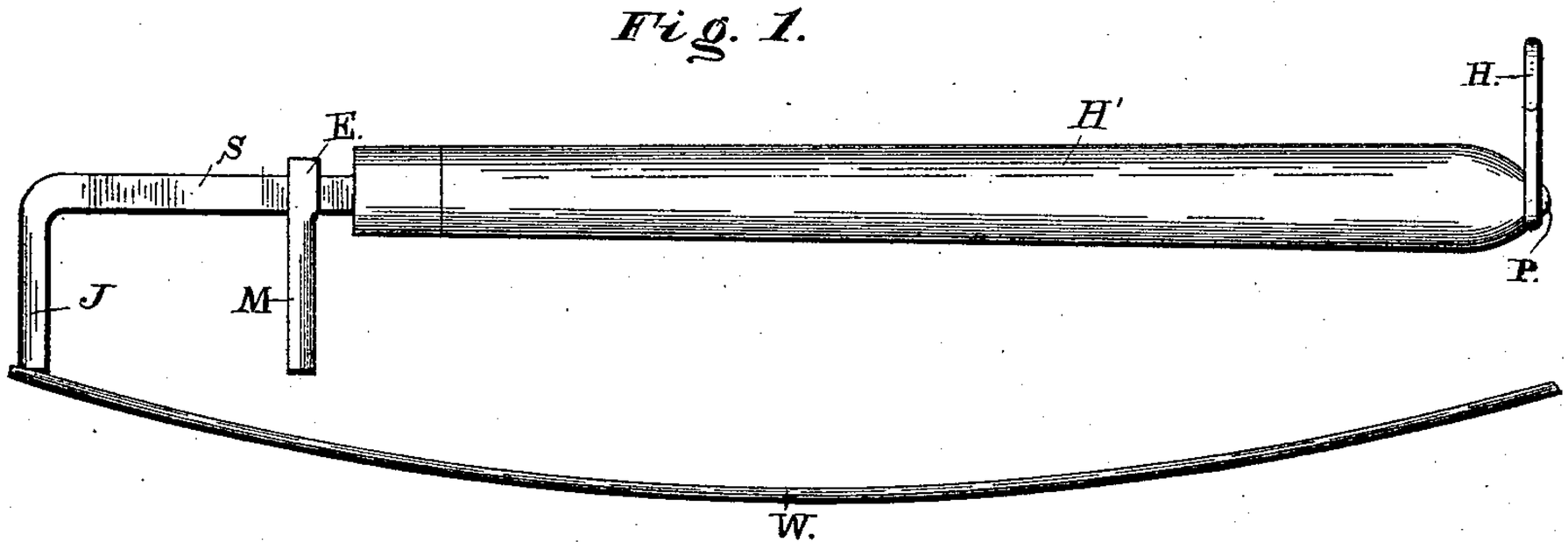

Fig. 2.

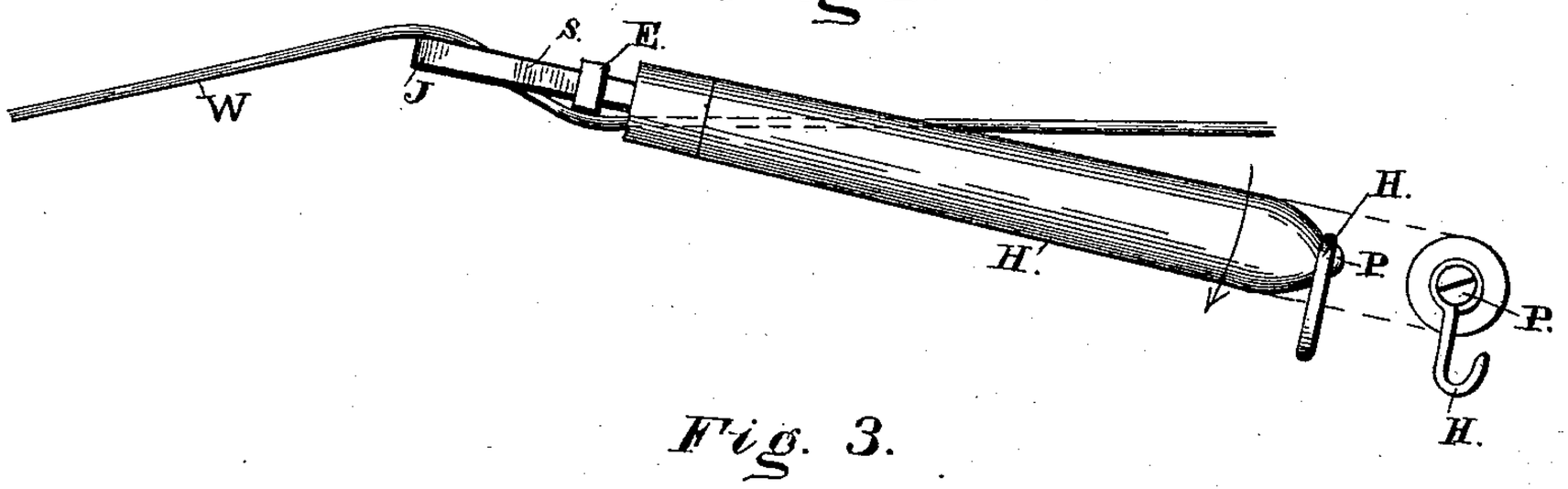

Fig. 3.

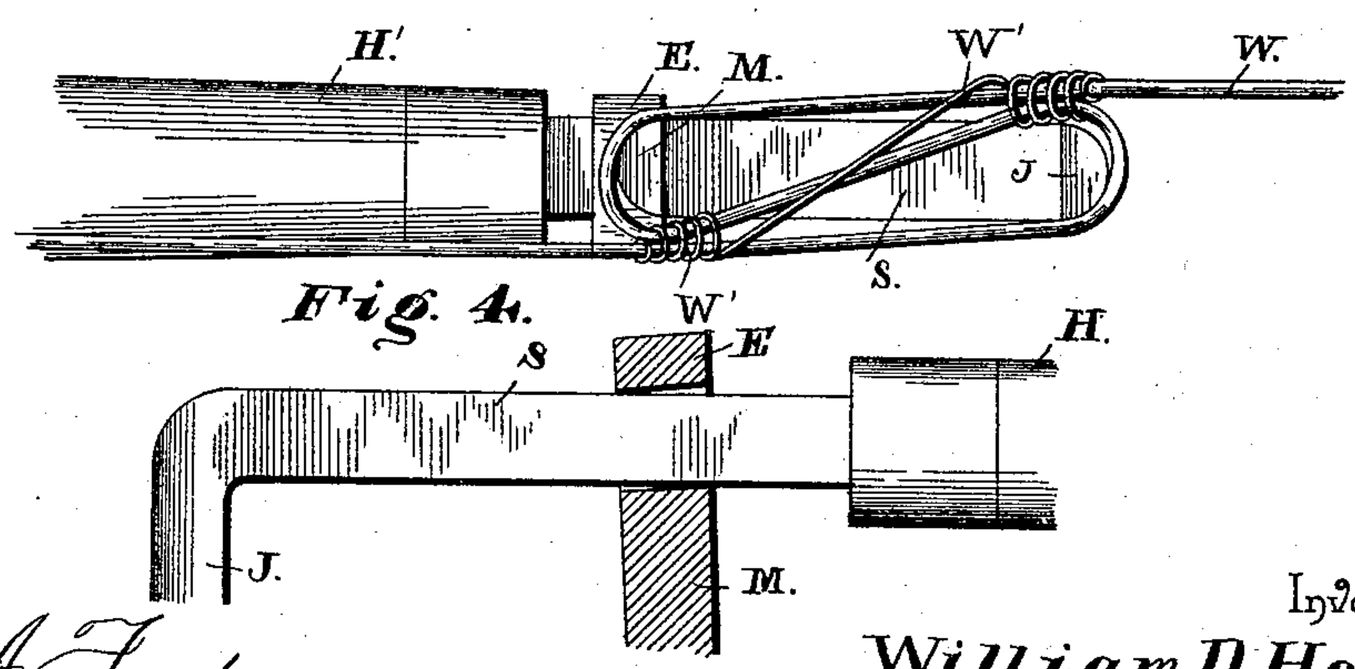

Fig. 4.

Witnesses
Chas A. Ford.
A. L. Collamer.

Inventor
William D. Hoyt.
By his Attorneys,
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UNITED STATES PATENT OFFICE.

WILLIAM D. HOYT, OF RUSH CENTRE, KANSAS.

WIRE-TIGHTENER.

SPECIFICATION forming part of Letters Patent No. 471,551, dated March 29, 1892.

Application filed December 31, 1891. Serial No. 416,649. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM D. HOYT, a citizen of the United States, residing at Rush Centre, in the county of Rush and State of Kansas, have invented a new and useful Wire-Tightener, of which the following is a specification.

This invention relates to fences, and more especially to the wire-tighteners adapted to be used in connection therewith; and the object of the same is to produce an improved tool for this purpose.

To this end the invention consists in a tool whose construction and uses are hereinafter more fully described and claimed, and as illustrated on the accompanying sheet of drawings, wherein—

Figure 1 is an elevation of a slack fence-wire, showing the tool about to be applied. Fig. 2 is a plan view, the tool having been applied and partially turned. Fig. 3 is a bottom plan view considerably enlarged and showing the way in which the wire loop is tied. Fig. 4 is a longitudinal section of a portion of the tool to show how the canting of the sliding jaw engages the shank.

Referring to the said drawings, the letter W designates the fence-wire.

H′ is the handle of my improved tool, into one end of which is inserted and secured an L-shaped bar forming the stationary jaw J, the shank S of this bar being square. M is the movable jaw, having an enlarged head E, provided with a hole, which slides on said shank. Both these jaws are practically D-shaped in cross-section, as best seen in Fig. 3, their flat faces being adjacent. On a screw or pin P, inserted in the other end of the handle, is pivoted a hook H, as shown.

The operation of this device is as follows: The tool is passed over the slack wire, as seen in Fig. 1, with the jaws pointing down, after which the tool is moved down, so that the jaw J passes in front and the jaw M to the rear of the wire. The other end of the handle is then drawn toward the operator and passed around a half-circle, the first part of this movement being indicated in Fig. 2. After the tool has been brought around into alignment, with the wire in a position opposite to that shown in Fig. 1, the hook H is engaged over the wire, as will be understood. The operator now takes a small piece of wire W′ and wires the twisted fence-wire, preferably as seen in Fig. 3, although I do not limit myself to the construction here shown. However, the flat faces of the jaws will permit the tying of the wire between them, as will be understood.

The handle is preferably of wood and the other parts of metal and all of a size to give the tool the strength required. Before tightening the wire the movable jaw M is set on the shank by hand at a distance from the stationary jaw which is about one-half of the amount it is desired to take up in the fence-wire, and as soon as pressure is brought to bear on the movable jaw its head E binds on the square shank and prevents its slipping toward the movable jaw.

What is claimed as new is—

1. The herein-described tool, the same comprising a handle, an L-shaped member in one end forming a stationary jaw, an adjustable jaw adjacent thereto, and a hook mounted pivotally on a pin in the other end of the handle, as and for the purpose set forth.

2. The herein-described tool, the same comprising a handle, an L-shaped member having a square shank mounted in one end of the handle, its foot forming a stationary jaw, and a movable jaw having an enlarged head with a square hole, mounted on said shank and adapted to bind thereon when canted, the jaws being D-shaped in cross-section, as and for the purpose hereinbefore set forth.

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

WILLIAM D. HOYT.

Witnesses:

W. H. RUSSELL,

W. J. HAYES.