

(No Model.)

J. E. CRISP.
WIRE STRETCHER.

No. 528,151.

Patented Oct. 30, 1894.

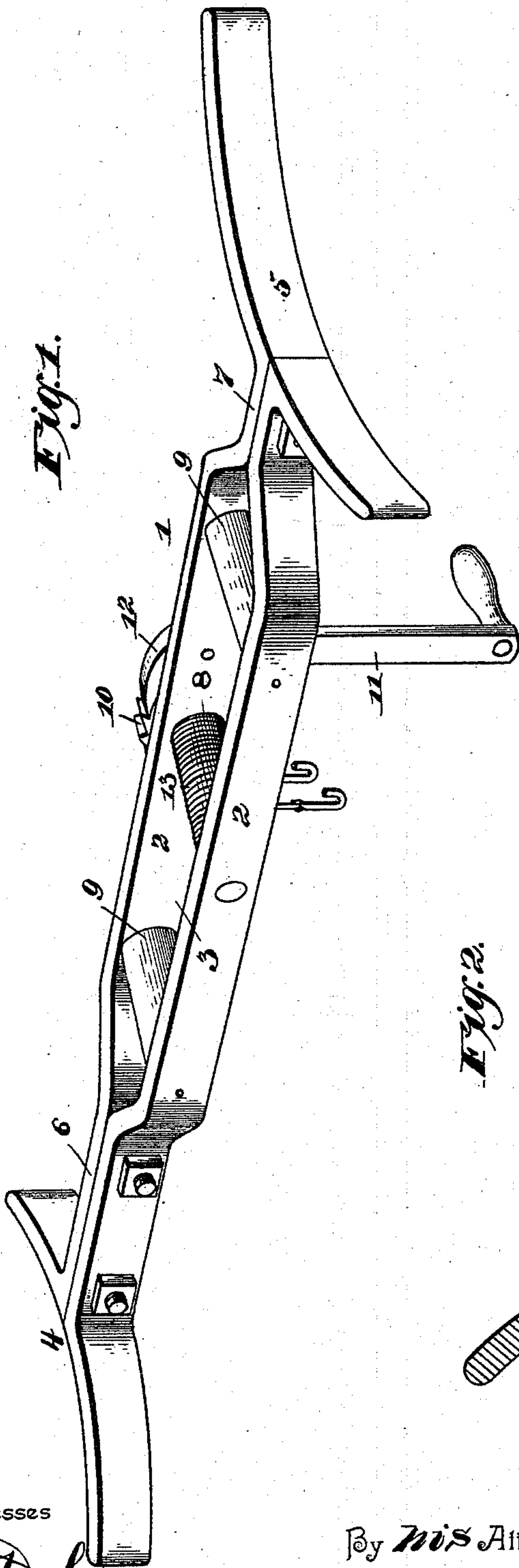


Fig. 1.

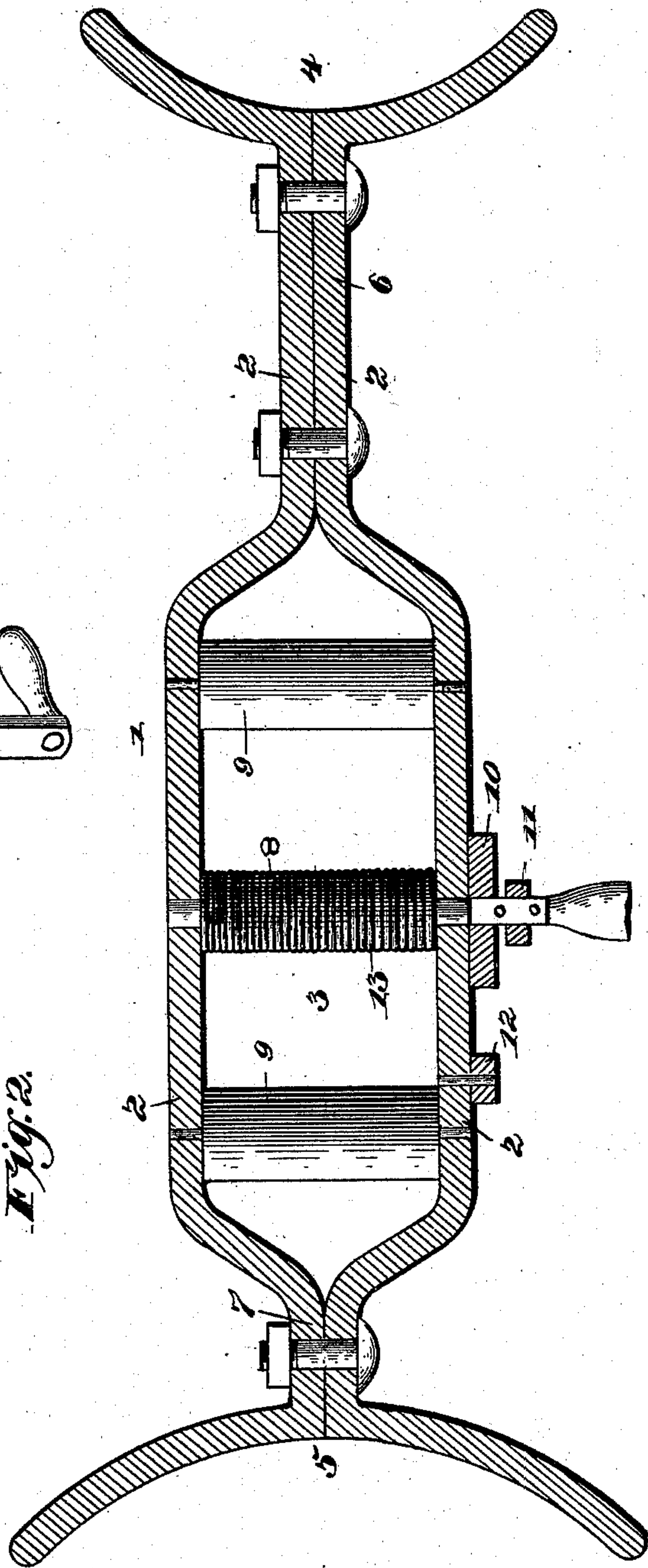


Fig. 2.

Inventor

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By *his* Attorneys,

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Witnesses

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UNITED STATES PATENT OFFICE

JAMES E. CRISP, OF HANDLEY, TEXAS.

WIRE-STRETCHER.

SPECIFICATION forming part of Letters Patent No. 528,151, dated October 30, 1894.

Application filed May 11, 1894. Serial No. 510,907. (No model.)

To all whom it may concern:

Be it known that I, JAMES E. CRISP, a citizen of the United States, residing at Handley, in the county of Tarrant and State of Texas, have invented a new and useful Wire-Stretcher, of which the following is a specification.

The invention relates to improvements in wire stretchers.

The object of the present invention is to improve the construction of wire stretchers, and to provide an exceedingly simple and inexpensive device, which will enable one person to stretch fence wires conveniently for the purpose of mending them, or for stapling or otherwise securing them to fence posts in constructing fences.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings: Figure 1 is a perspective view of a wire stretcher constructed in accordance with this invention. Fig. 2 is a horizontal sectional view.

Like numerals of reference indicate corresponding parts in both figures of the drawings.

1 designates a frame, constructed of suitable metal, and composed of two similar sides 2 bolted together adjacent to the ends. The sides 2 are laterally offset intermediate of their ends to provide a central longitudinal opening 3 in the frame, and the ends of the sides are laterally extended to form curved arms 4 and 5. The arms 4 are adapted to be placed against a fence post, and form a convenient bearing for the wire stretcher, and the frame is provided between the arms 4 and its central opening with straight portions 6, which are perforated to receive the bolts.

The laterally extending arms 5 are of greater length than the arms 4. They are curved to form a convenient bearing for the breast of a person; and they are separated from the central opening by short straight portions 7 of the sides, which portions 7 are perforated to receive a bolt.

A windlass shaft 8 is centrally journaled in bearing openings of the sides of the frame, and extends transversely of the central opening thereof; and transverse rollers 9 are ar-

ranged at opposite sides of the windlass shaft. The windlass shaft has one end extended, and squared to receive a ratchet wheel 10, and a removable crank handle 11; and the ratchet wheel is engaged by a pivoted pawl 12, which is mounted on the frame, and which prevents the shaft from rotating backward when a fence wire is being tied or stapled to a post.

A pair of ropes or chains 13 is wound around the windlass shaft, and these ropes are provided with hooks to engage the wire to be stretched. In mending fence wires, the broken or separated ends are attached to the hooks, and are drawn together by rotating the shaft, and when drawn sufficiently near each other, they are held by the pawl and ratchet, and may be conveniently connected by the operator. In stretching a fence wire in building a fence, the arms 4 are placed against a fence post, and the breast of the operator bears against the arms 5, whereby the wire stretcher is held in convenient position for use, and after the wire has been stretched to the desired tension it may be readily stapled or otherwise fastened to the fence post.

It will be seen that the wire stretcher is simple and comparatively inexpensive in construction, and that by it one person may readily stretch wire in fence building or for mending broken wire.

Changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

What I claim is—

1. A wire stretcher comprising a frame provided at one end with arms to bear against the fence post and having at its other end laterally extending arms forming a bearing for the chest of the operator, and a windlass shaft journaled on the frame, substantially as described.

2. A wire stretcher, comprising a frame provided at one end with short outwardly curved arms to bear against the fence post and provided at its other end with laterally extending curved arms forming a bearing for the breast of the operator, and a windlass shaft journaled in the frame, substantially as described.

3. A wire stretcher, comprising a frame

composed of two similar sides having its ends
curved laterally to form arms and laterally
offset intermediate of its ends to form a lon-
gitudinal opening, a windlass shaft journaled
5 in the opening, rollers journaled in the open-
ing and arranged at opposite sides of the
windlass shaft, and a pawl and ratchet for
holding the shaft against backward move-
ment, substantially as described.

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

JAMES E. ^{his} X CRISP.
mark

Witnesses:

J. E. VALENTINE,
W. H. WILLIAMS.