

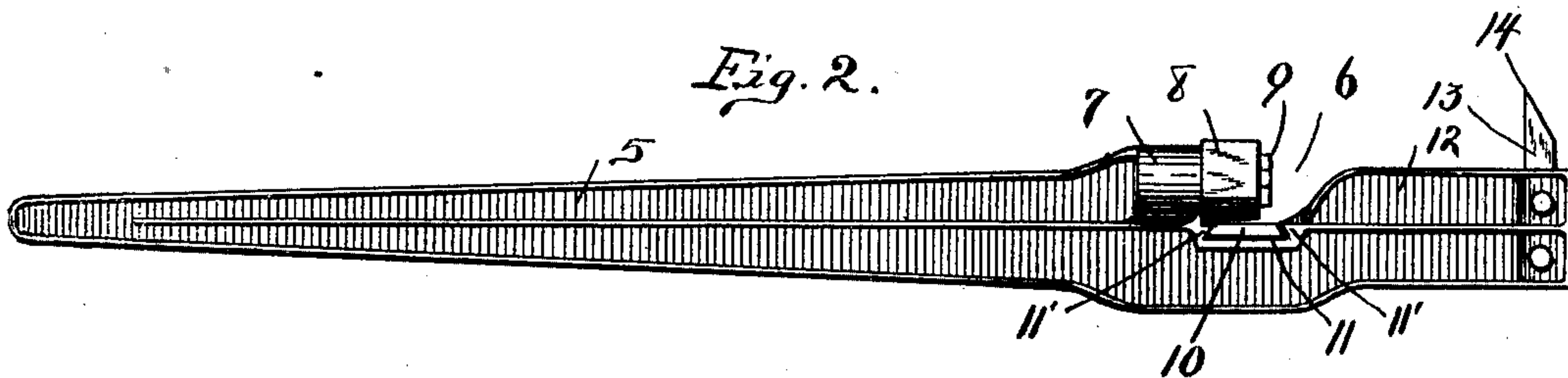
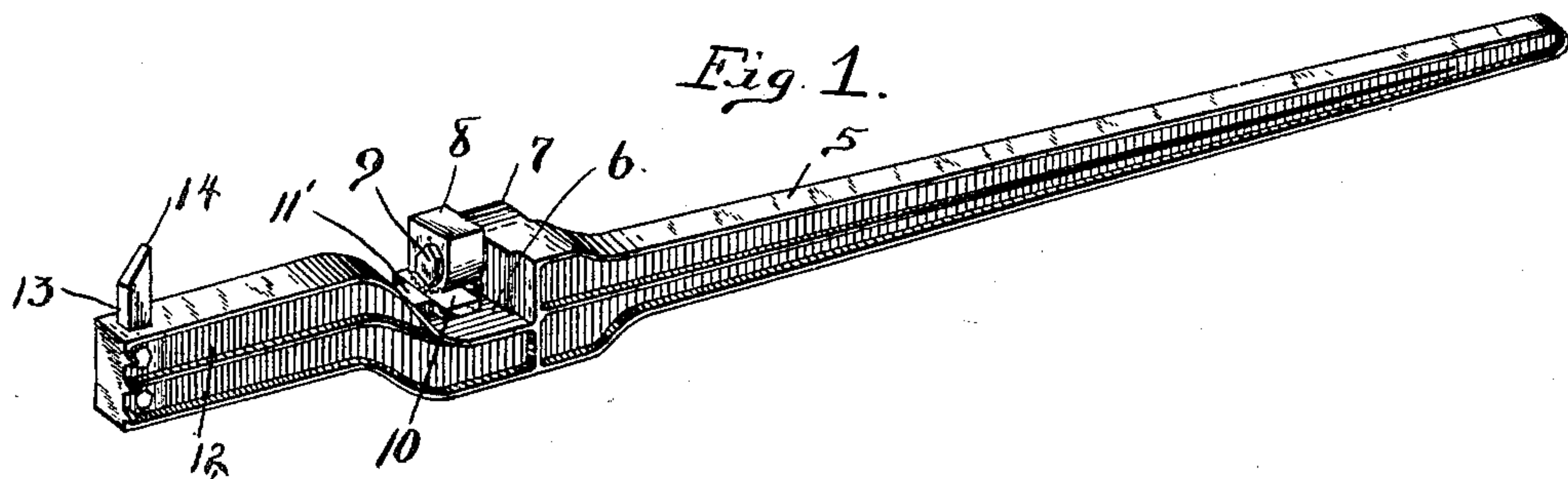
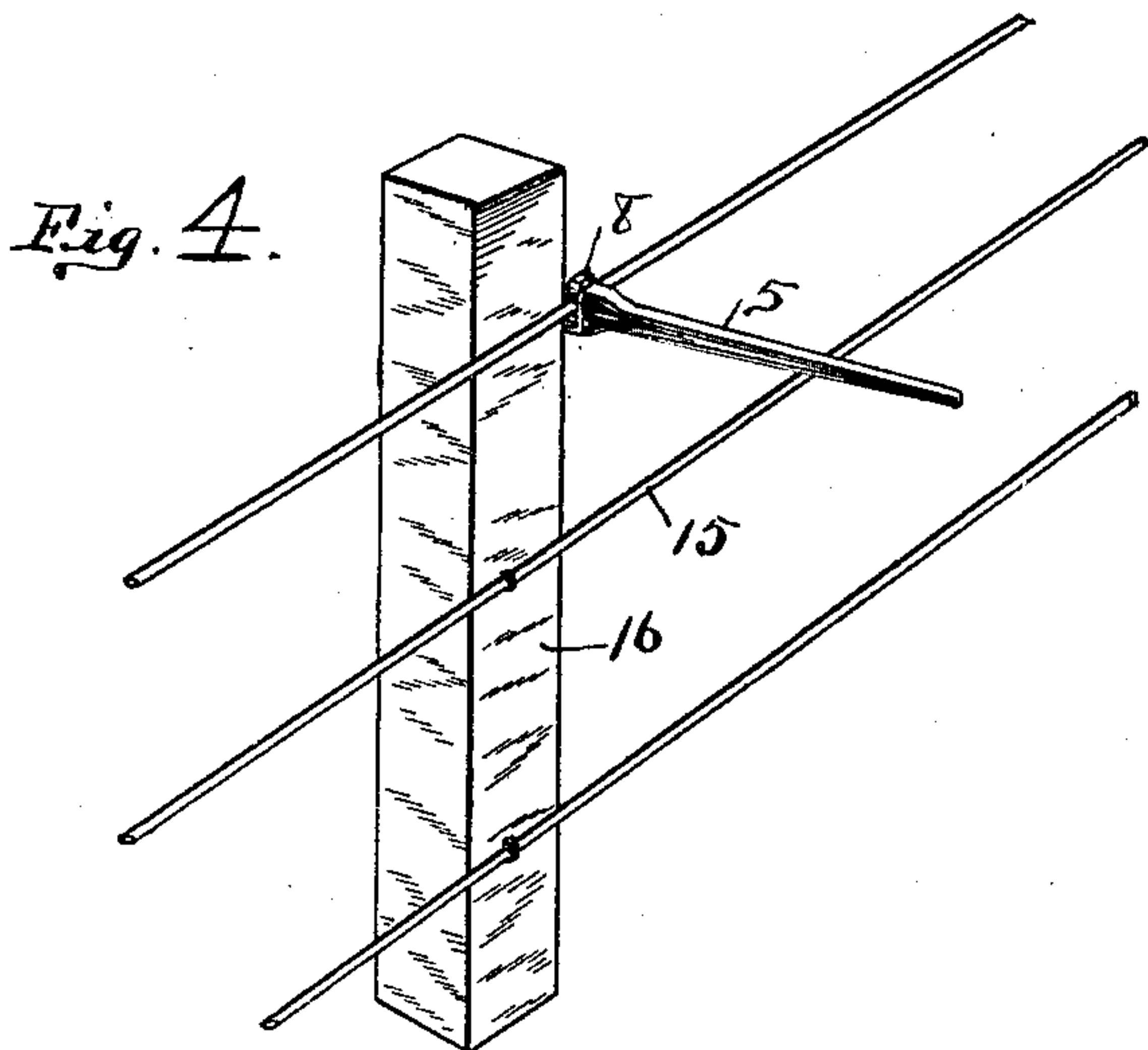
No. 630,056.

Patented Aug. 1, 1899.

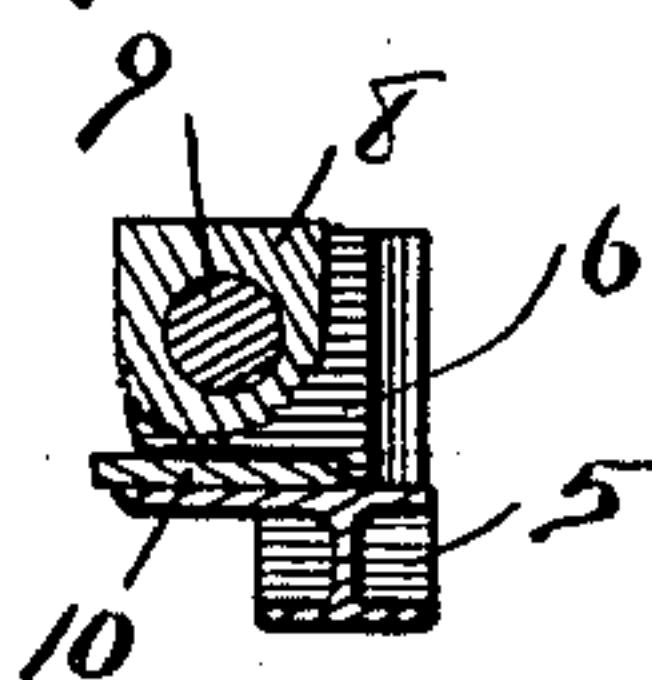
C. S. HUNT.  
WIRE STRETCHING TOOL.

(Application filed Sept. 23, 1898.)

(No Model.)



*Fig. 3.*



WITNESSES:

*Frank A. Fable*  
*Stella Sullivan*

INVENTOR

*Clifton S. Hunt.*

BY

*Arthur M. Hood*  
ATTORNEY.

# UNITED STATES PATENT OFFICE.

CLIFTON S. HUNT, OF TRENTON, INDIANA.

## WIRE-STRETCHING TOOL.

SPECIFICATION forming part of Letters Patent No. 630,056, dated August 1, 1899.

Application filed September 23, 1898. Serial No. 691,708. (No model.)

*To all whom it may concern:*

Be it known that I, CLIFTON S. HUNT, a citizen of the United States, residing at Trenton, in the county of Randolph and State of Indiana, have invented a new and useful Wire-Stretching Tool, of which the following is a specification.

My invention relates to an improvement in wire-stretching tools for fence-builders.

The object of my invention is to produce a tool by which the runners of wire fences may be quickly and easily stretched, at the same time allowing the operator the free use of both hands for placing the necessary fastening means.

A further object of my invention is to combine with such a tool a convenient staple-puller.

The accompanying drawings illustrate my invention.

Figure 1 is a perspective view of my device. Fig. 2 is a side elevation thereof. Fig. 3 is a section on line 3 3 of Fig. 2. Fig. 4 is a view showing the application of the tool.

In the drawings, 5 indicates a bar having near one end a mouth or slot 6. Upon one side of mouth 6 is a projecting lug or shoulder 7, to which is pivoted a clamping-cam 8. Cam 8 is pivoted upon a bolt 9, which is secured to one side of the mouth 6 and is substantially parallel with the axis of the bar. Removably mounted in the bottom of the mouth 6 is a shoe 10, the said shoe being slightly tapered and inserted in the dovetailed opening 11 between the lugs 11' in the bottom of the mouth 6, the arrangement being such that the shoe may be readily removed by a pressure opposite to the direction of pressure exerted by the cam 8. The clamping-surface of the cam 8 is preferably roughened, and the said cam and the shoe 10 are preferably formed of steel, while the bar 5 may, if desired, be made of cast-iron or malleable iron.

Mounted in the outer end 12 of the bar 5 is a steel finger 13, the free end of which is sharpened, as at 14, the arrangement being such that the sharpened end of the finger may be easily forced into a staple and the staple

easily partially or wholly withdrawn from the post.

The operation is as follows: The operator places the wire runner 15 between the cam 8 and the shoe 10 and then places the end 12 of the bar 5 against the post 16. A pressure upon the outer end of the bar 5 will be transmitted as a pull upon the runner 15, and the resistance of the runner will operate to hold the tool in its vertical position against the post. The operator may then exert the necessary pressure upon the outer end of the bar with his body, thus leaving both hands free for the use of the other tools necessary in the application of staples or other fastening means.

It will be noticed that the gripping-cam 8 is placed some distance away from the end 12 of the arm 5, so that the end 12 is of sufficient length to allow for a good grip upon the post.

I claim as my invention—

1. In a wire-stretching tool, the combination with a bar, of a mouth or slot formed in one side thereof, an independently-removable shoe mounted in the bottom of said mouth, and a gripping-cam mounted in said mouth in position to coöperate with said shoe.

2. In a wire-stretching tool, the combination with a bar, of a mouth or slot formed in one side thereof, a stud carried by one side of said mouth, a gripping-cam pivotally mounted upon said stud, and an independently-removable shoe mounted in the bottom of said mouth in position to coöperate with said cam.

3. As an article of manufacture, a wire-fence tool consisting of a bar, a slot or mouth formed in one side of said bar, a gripping-cam removably mounted in said mouth, an independently-removable shoe mounted in position to coöperate with said cam, and a staple-pulling finger 12 mounted in one end of said bar, substantially as and for the purpose set forth.

CLIFTON S. HUNT.

Witnesses:

ARTHUR M. HOOD,  
A. B. J. HOOD.