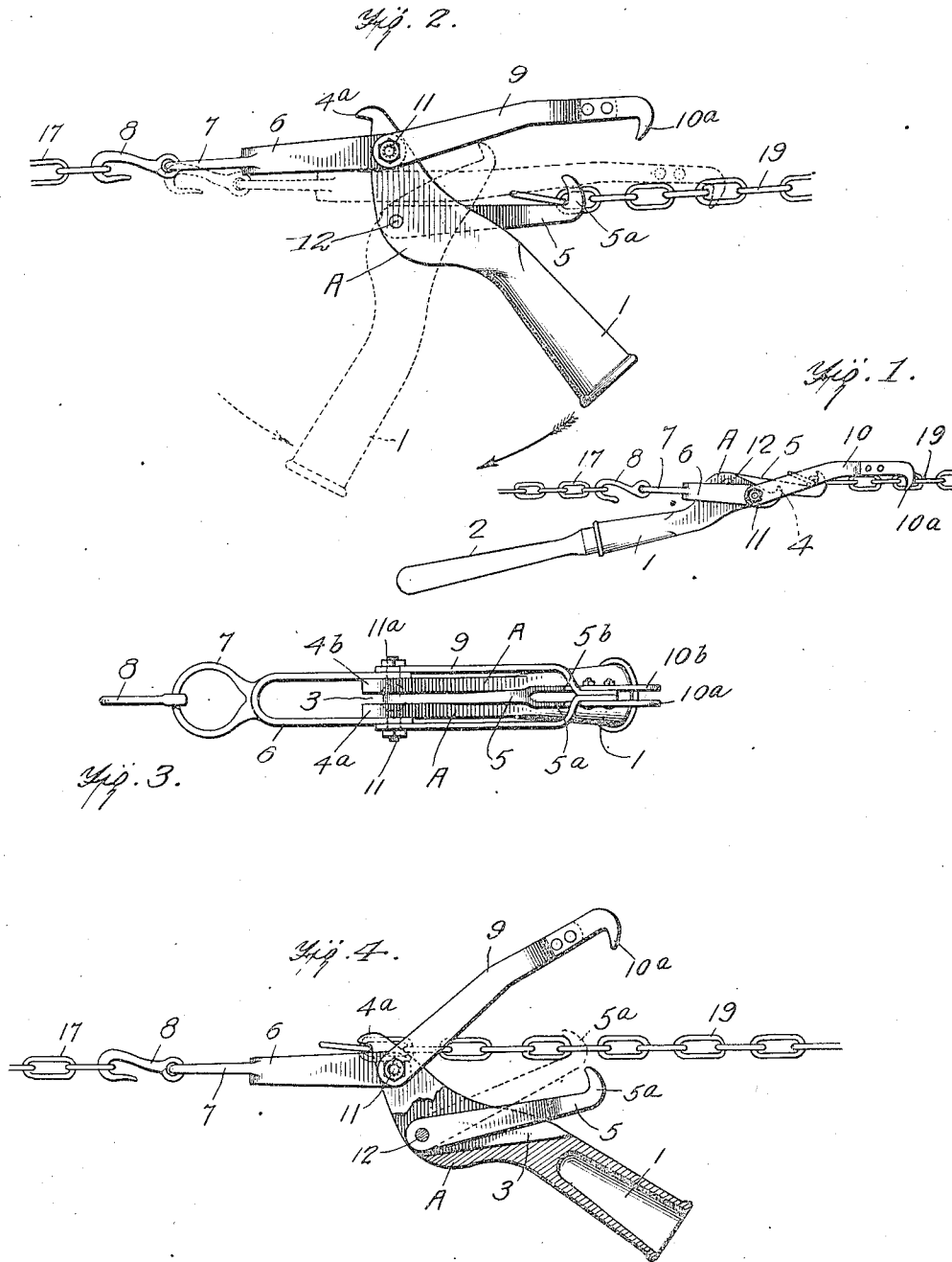


J. L. ASHWORTH.
WIRE STRETCHER.
APPLICATION FILED JAN. 11, 1912.

1,031,508.

Patented July 2, 1912.



WITNESSES

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JIM LAWS ASHWORTH, OF THOMPSON STATION, TENNESSEE.

WIRE-STRETCHER.

1,031,508.

Specification of Letters Patent.

Patented July 2, 1912.

Application filed January 11, 1912. Serial No. 670,595.

To all whom it may concern:

Be it known that I, JIM LAWS ASHWORTH, a citizen of the United States, and a resident of Thompson Station, in the county of Williamson and State of Tennessee, have made certain new and useful Improvements in Wire-Stretchers, of which the following is a specification.

My invention relates to improvements in wire stretching devices, and it consists in the constructions, combinations and arrangements herein described and claimed.

An object of my invention is to provide a device which may be used as a boomer or a woven wire or a barb wire stretcher, and which while effectually accomplishing the purpose for which it is intended is simple, and is therefore not liable to get out of order.

A further object of my invention is to provide a device which may be manipulated by one person in the wire stretching operation.

Other objects and advantages will appear in the following specification, and the novel features of the device will be particularly pointed out in the appended claim.

My invention is illustrated in the accompanying drawings forming part of this application in which—

Figure 1 is a view showing the use of my invention, Fig. 2 is a side view of the device showing the method of operation, Fig. 3 is a plan view of the device, Fig. 4 is a view showing another operating position of the device.

In carrying out my invention I provide a main body portion A having means, such as the socket 1, for attachment of a handle 2. The body portion A is provided with a slot 3 (see Fig. 3) extending inwardly from one end and terminates in a pair of hooks or claws 4^a and 4^b on each side of the slot 3. Disposed within the slot 3 is one end of an arm 5 which terminates in two hooks or claws 5^a and 5^b.

Embracing the body portion A is a clevis 6, which is provided at its end with a ring 7 to which is attached a hook 8. A second clevis 9 has its arms disposed outside of the arms of the clevis 6, and to the clevis 9 are bolted the two claws 10^a and 10^b, as shown in Fig. 3. A bolt 11 passes through the clevis 9, through the clevis 6, and through the body portion A, pivotally securing these

members together. A similar bolt 11^a passes through the opposing arms of the clevis 9, the clevis 6 and the body portion A, the bolts 11 and 11^a being in alinement but being independent. The arm 5 is pivotally secured to the body portion within the recess 3 by means of a pin 12.

From the foregoing description of the various parts of the device the operation thereof may be readily understood.

In using this device a link of the chain 19 is inserted between the claws 5^a and 5^b of the arm 5 in the manner shown in Fig. 2. Now by pulling the handle into position shown in Fig. 1 tension will be exerted on the chain 17 which will stretch the wires which are to be attached thereto. The pivot pin 12, it will be observed from Fig. 1, is brought above the pivotal portion 11, and therefore the device remains locked. The operator may now engage the chain 19 with the claws 10^a and 10^b of the clevis 10, as shown in Fig. 1. The handle may then be swung into its original position, thereby disengaging the claws 5^a and 5^b and permitting them to be brought into engagement with another link. Now on swinging the handle back again into position shown in Fig. 1 the wire is still further tightened and the claws 10^a and 10^b may be shifted to another link. Thus the device may be made to gradually stretch the wires to the desired point. It will be observed that each time the handle is brought into the position shown in Fig. 1 the device is locked so as to permit the use of both hands in manipulating the claws 5^a and 5^b and 10^a and 10^b.

The operation described above may be made to pull up eight inches of slack wire at one stroke. If it is desired to pull it a lesser distance the operation is conducted as follows: The claws 4^a and 4^b on the end of the body portion A are brought into engagement with the chain 19, when the handle is moved toward the right instead of toward the left, *i. e.*, in the opposite direction to that shown in Fig. 1. This results in the pulling of the wire until the claws 5^a and 5^b may be engaged behind a link of the chain 19, thereby holding the wire securely.

I claim:—

In a wire stretching device, a body portion provided with a handle, said body portion terminating in a pair of claw members,

a clevis provided with a hook, a second clevis provided with a claw, a pair of aligned pivots for securing both of said clevises to said body portion, and an arm provided with
5 a claw, said arm being pivotally connected to said body portion at a point off-set from and between the pivotal connections of the
clevises to said body portion and the handle, said arm being arranged to pass between the claw members of said body portion.

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Witnesses:

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