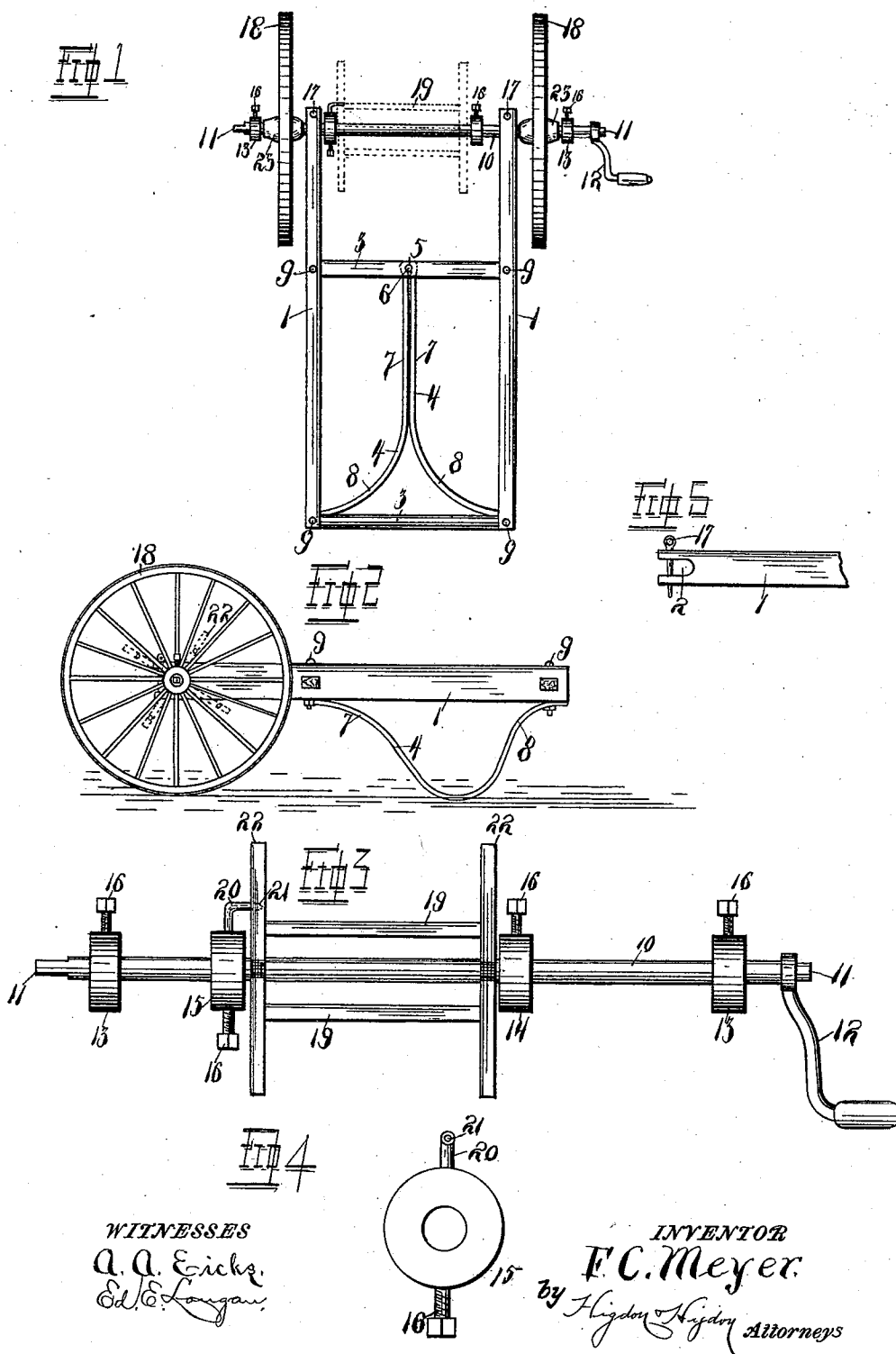


(No Model.)

F. C. MEYER.
DEVICE FOR WINDING BARB WIRE.

No. 465,281.

Patented Dec. 15, 1891.



UNITED STATES PATENT OFFICE

FERDINAND C. MEYER, OF PRAIRIE TOWN, ILLINOIS.

DEVICE FOR WINDING BARB-WIRE.

SPECIFICATION forming part of Letters Patent No. 465,281, dated December 15, 1891.

Application filed August 10, 1891. Serial No. 402,271. (No model.)

To all whom it may concern:

Be it known that I, FERDINAND C. MEYER, of Prairie Town, in the county of Madison and State of Illinois, have invented certain new and useful Improvements in Devices for Winding Barb-Wire, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings, forming a part hereof.

My invention relates to improvements in devices for winding barb and other varieties of wire, rope, &c.; and it consists in the novel arrangement and combination of parts, as will be more fully hereinafter described, and designated in the claims.

In the drawings, Figure 1 is a top plan view of my complete invention with the wire spool or reel applied thereto, as shown in dotted lines. Fig. 2 is a side view of the same. Fig. 3 is a plan view of the shaft or axle with its attachments removed from the frame-work, and also showing a wire reel or spool applied to the same. Fig. 4 is a detail view of an adjustable collar which I employ in carrying out my invention; and Fig. 5 is a side view of one of the frame-pieces, with parts broken away especially to illustrate the recess in which the axle is mounted.

The object of my invention is to construct a device for winding up barb-wire when it is desired to remove the same from the posts in taking down the barb-wire fence, which may also be used as a reel-support for unwinding barb-wire in the construction of wire fences. It may be noted in this connection, however, that my invention is especially designed for the use of farmers in tearing down and removing barb-wire fences.

I will give a further description of the use and advantages of my invention in connection with a mechanical description of the same.

Referring to the drawings, 11 indicate parallel frame-work pieces, which are provided at their front ends with U-shaped recesses 2, as illustrated in Fig. 5. Said pieces 1 are connected together by parallel cross-pieces 3, and the rear one of said pieces answers as a handle for manipulating the frame-work.

Secured to cross-piece 3 and the pieces 1 is a curved support 4, of the construction illustrated in Figs. 1 and 2. Said supporting-

piece 4 is composed of a single piece of wire or a single rod, and is bent in its median portion so as to form an eyelet 5, as illustrated in dotted lines in Fig. 1, and through said eyelet and through the cross-piece 3, as illustrated in said figure, a bolt or pin 6 passes for securing said curved support to the cross-piece 3. The branches 7 of said support 4 are compressed closely together for a certain distance of their lengths, and finally diverge, constituting diverging ends 8, which ends are secured to the frame-work pieces 1 by means of bolts or pins 9. It can be seen by referring to Fig. 2 that the support 4, as seen from a side view, is substantially U-shaped, and is intended to hold the frame-work, or, more specifically, the rear end of the same, off of and parallel to the ground.

Mounted in recesses 2 of the frame-work pieces 1 is an axle 10, the same being provided with angular terminals 11, on which a crank 12 may be placed. Mounted on said axle 10 are collars 13, which are adjustable on said axle, an adjustable collar 14, and another adjustable collar 15. Said collars above mentioned are all provided with thumb-screws 16 for the purpose of holding said collars at any desired adjustment on the axle 10. The axle 10 is mounted in recesses 2, as hereinbefore stated, and is secured therein by means of removable pins 17.

18 indicates wheels, which are mounted on axle 10 and located on the outside of pieces 1 and are interposed between the frame-work pieces 1 and the adjustable collars 13. It may be noted in this connection that I may use cultivator-wheels, sulky-rake wheels, or various other wheels which are generally used by husbandmen.

The adjustable collars 14 and 15 when in use are mounted on the axle 10 and interposed between the frame-work pieces 1. The adjustable collar 15 is provided with a right-angular projection 20.

The adjustable collars 14 and 15 are used for holding the wire reel or spool 19 in its proper adjustment on the axle 10, and the right-angular projection 20 of the adjustable collar 15 prevents the reel 19 from rotating on the axle 10. The right-angular projection 20 is provided with an attenuated point 21,

which is adapted to be driven into the pieces 22 of the reel 19. It may be noted in this connection that the axle 10 is free to rotate in the recesses 2, said rotation being effected
5 by means of the crank 12.

The reel 19 is of the ordinary construction as that on which the barb-wire is wrapped or wound for shipment.

I will not describe the operation of my invention, as the same may be readily understood by any one of ordinary judgment.

Having fully described my invention, what I claim is—

1. A device for winding barb-wire, having
15 parallel frame-work pieces 1, provided with U-shaped recesses, parallel cross-pieces 3 for securing pieces 1 together, an approximately-U-shaped support 4, constructed of a single piece of material and having diverging ends
20 8, an axle 10, having angular terminals 11, mounted in said recesses 2, and wheels 18, mounted on said axle, substantially as set forth.

2. The combination of parallel frame-work
25 pieces 1, provided with U-shaped recesses 2, parallel cross-pieces 3 for securing pieces 1 together, an approximately-U-shaped support 4, constructed of a single piece of material and having diverging ends 8, an axle 10, having angular terminals 11, mounted in said recesses 2, wheels 18, mounted on said axle,
30 adjustable collars 13, provided with thumb-

screws 16 for holding the wheels 18 in their proper positions, removable pins 17 for holding the axle 10 in recesses 2, and adjustable collars 14 and 15, provided with set-screws 16 for holding the wire-reel 19 in its proper position on the axle 10, substantially as set forth. 35

3. The combination of parallel frame-work pieces 1, provided with U-shaped recesses 2, 40 parallel cross-pieces 3 for securing pieces 1 together, an approximately-U-shaped support 4, constructed of a single piece of material and having diverging ends 8, an axle 10, having angular terminals 11, mounted in said
45 recesses 2, wheels 18, mounted on said axle, adjustable collars 13, provided with thumb-screws 16 for holding the wheels 18 in their proper positions, removable pins 17 for holding the axle 10 in recesses 2, adjustable collars 14 and 15, provided with set-screws 16
50 for holding the wire-reel 19 in its proper position on the axle 10, a right-angular projection 20, formed on the adjustable collar 15 to prevent said reel from turning on the axle 10,
55 and a crank 12 for rotating said axle, substantially as set forth.

In testimony whereof I affix my signature in presence of two witnesses.

FERDINAND C. MEYER.

Witnesses:

ED. E. LONGAN,
ALFRED A. EICKS.