

(Model.)

W. B. KNIGHT.
MACHINE FOR WINDING FENCE WIRE.

No. 269,067.

Patented Dec. 12, 1882.

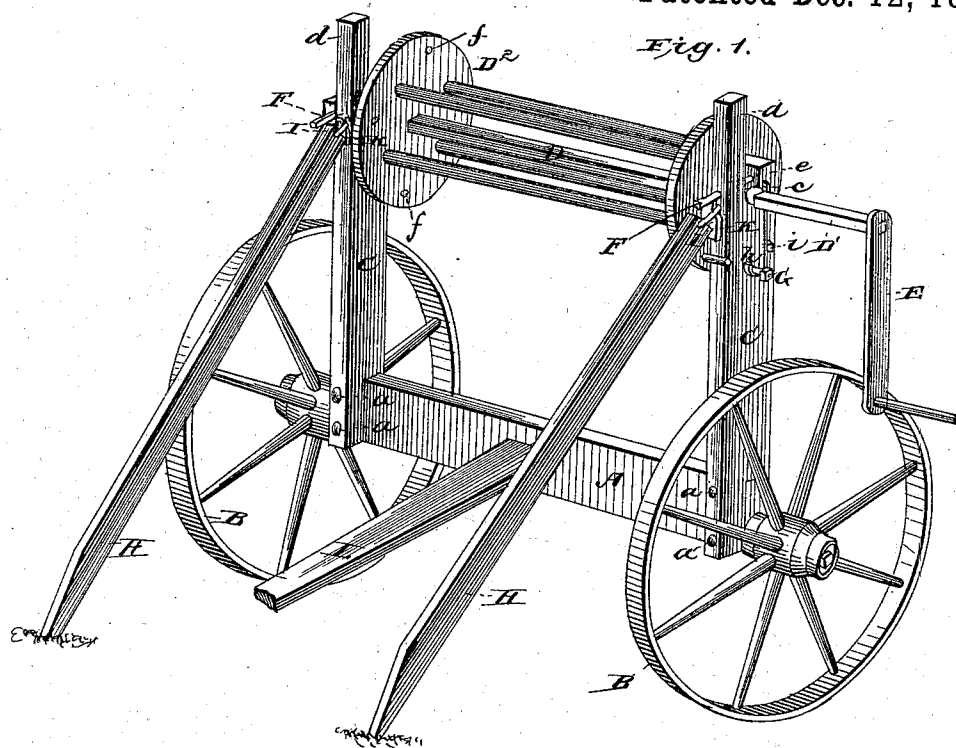
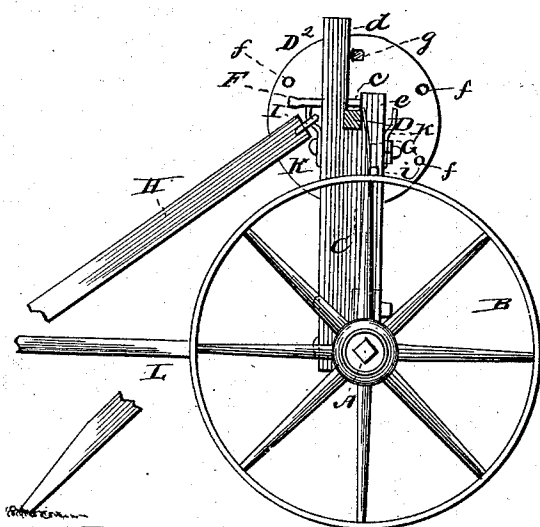


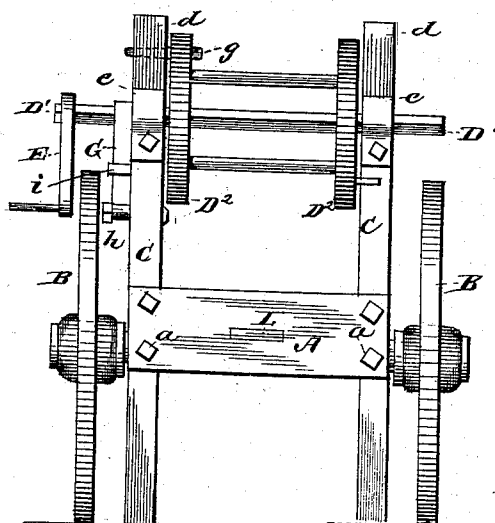
Fig. 2.



WITNESSES:

And. G. Dieterich,
A. M. Long,

Fig. 3.



INVENTOR.

William B. Knight
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ATTORNEYS.

UNITED STATES PATENT OFFICE.

WILLIAM B. KNIGHT, OF COLFAX, ILLINOIS, ASSIGNOR OF ONE-HALF TO
WINTON C. KNIGHT, OF SAME PLACE.

MACHINE FOR WINDING FENCE-WIRE.

SPECIFICATION forming part of Letters Patent No. 269,067, dated December 12, 1882.

Application filed June 17, 1882. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM B. KNIGHT, of Colfax, in the county of McLean and State of Illinois, have invented certain new and useful Improvements in Machines for Winding Fence-Wire; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of the machine. Fig. 2 is a side elevation with the reel-crank and a part of the wheel removed to show the arrangement of the retaining-spring, and Fig. 3 is a rear elevation.

Similar letters of reference indicate corresponding parts in all the figures.

My invention has relation to machines for winding or unwinding fence-wire, (either barbed or plain,) telegraph-wire, the wire or rope used in operating check-rowers, &c.; and it consists in the improvements hereinafter more fully described and claimed.

The wheeled frame or truck of my machine consists of an axle, A, having wheels B B, and end pieces or uprights, C C, fastened to the axle by nutted bolts *a a*. The top part of the uprights C C is slotted, as shown at *c*, to form two arms, *d* and *e*, of unequal length, the front arm, *d*, being the longer of the two. These slots or notches *c c* form bearings for the reel-shaft D, the projecting end D' of which is squared and has a crank, E, for turning it. The reel-shaft is held in place in its bearings by removable pins F F, inserted through arms *d e*, as shown.

One of the heads or end disks, D², of the reel has a series of circumferential perforations, *f*, through any one of which a pin or plug, *g*, may be inserted from the inside, with its outer end abutting against arm *d* of standard C on that side of the machine to prevent the reel from turning.

G is a stiff spring, which is fastened by a bolt, *h*, to one of the uprights C, with its free end bearing against the projecting squared

end D' of the reel-shaft. Spring G is stiffened by a plug or bolt, *i*, inserted into standard C back of it, and bearing against it above its fastening-point *h*.

H and H are detachable braces, the lower ends of which are made tapering or pointed to enable them to readily enter the ground. At their upper ends are links I, by means of which they may be hooked upon hooks K, which are bolted upon the standards or uprights C.

L is the tongue, which may be provided with a hinged support at its outer end to keep the machine, when in use, in its proper upright position.

From the foregoing description, taken in connection with the drawings, the use and operation of this machine will readily be understood. The wire is wound upon the reel by turning crank E, which is at such a height from the ground that a man will get a good purchase in working it. It is prevented from slipping back (by the strain or tension of the wire) by spring G, the machine being steadied upon the ground by the braces H. The reel may be fixed at any point by inserting the pin or plug *g* through its appropriate aperture *f* in the reel-disk. Unwinding of the wire is effected in the same manner by reversing the machine and turning the reel in the opposite direction.

I am aware that the combination of a suitably-constructed portable frame, a reel hung in said frame, and means for rotating the reel is not new, nor do I claim such construction and combination, broadly; but

What I claim, and desire to secure by Letters Patent of the United States, is—

1. The combination of the frame A C, mounted on wheels and bifurcated at its upper end to form arms *d* and *e* of uneven height, reel D, having apertures *f* through one of its heads D², and stop pin or plug *g*, adapted to be inserted through any one of said apertures and to bear with its projecting outer end against the long arm *d* of the frame-post C next to it, substantially as and for the purpose shown and set forth.

2. The combination of the frame A C, mounted on wheels and carrying the reel D, having square shaft D' and crank E, spring G, bolt or pin *i*, and detachable braces H H
5 for maintaining frame A C C in a vertical position when in use, substantially as and for the purpose herein shown and specified.

In testimony that I claim the foregoing as

my own I have hereunto affixed my signature in presence of two witnesses.

WILLIAM B. KNIGHT.

Witnesses:

S. H. OSBORNE,
W. L. JENNINGS.