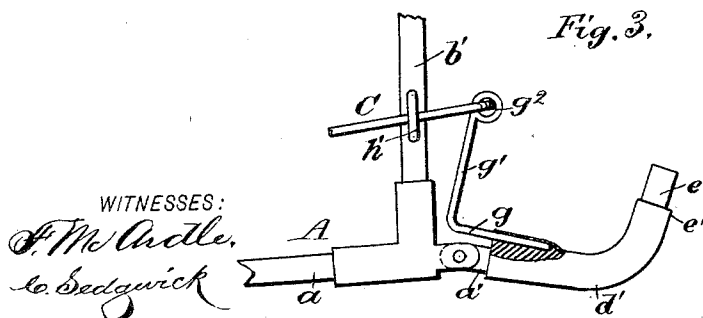
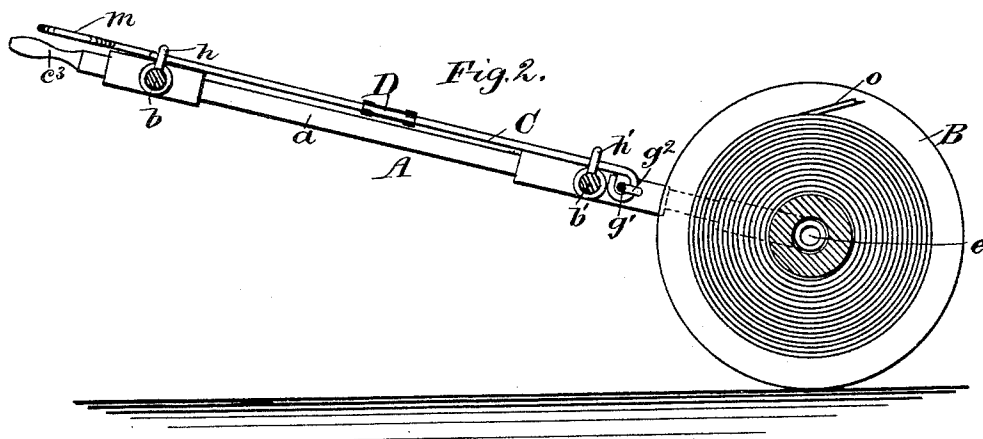
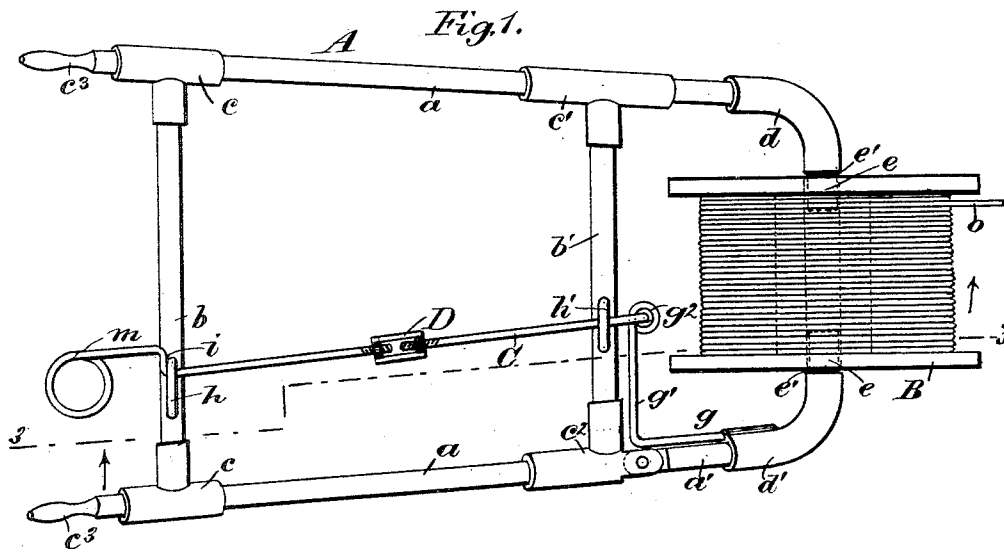


(No Model.)

C. R. SMITH.
TRUNDLER FOR SPOOLED WIRE.

No. 460,894.

Patented Oct. 6, 1891.



WITNESSES:

F. M. Castle.
W. Sedgwick

INVENTOR:

C. R. Smith
BY *Munn & Co.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

CULLEN R. SMITH, OF PRAIRIE LEA, TEXAS.

TRUNDLER FOR SPOOLED WIRE.

SPECIFICATION forming part of Letters Patent No. 460,894, dated October 6, 1891.

Application filed April 13, 1891. Serial No. 338,794. (No model.)

To all whom it may concern:

Be it known that I, CULLEN R. SMITH, of Prairie Lea, in the county of Caldwell and State of Texas, have invented a new and useful Trundler for Spooled Wire, of which the following is a full, clear, and exact description.

The object of this invention is to provide a strong, light, and shapely device which will afford means to propel or draw spooled fence-wire, telegraph-wire, or similar material that is coiled upon flanged spools, and distribute the same in lines for the manufacture of fences or erection of electric conductors.

To this end my invention consists in the construction of parts and their combinations, as is hereinafter described and claimed.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of the device. Fig. 2 is a sectional side elevation taken on the line 3 3 in Fig. 1; and Fig. 3 is a detached broken plan view of a portion of the device, showing the same in open adjustment.

There is provided an elongated frame A, preferably constructed as shown, consisting of two similar side bars *a*, furnished with transverse stretcher-bars *b b'*, joined substantially to the side bars with T-shaped sockets *c c'*, there being handle-pieces *c³* inserted in the sockets *c* at one end, and curved L's *d d'*, attached to the ends of the side bars that are forwardly extended beyond the front stretcher-bar *b'*, as shown in Fig. 1. The socket *c³* has a hinged connection with the portion *a'* of the side bar that engages it forwardly, said pivotal connection permitting the jointed bar-piece named to swing outwardly, as shown in Fig. 3, when properly manipulated to effect such an adjustment.

The spool B is of the usual form employed to sustain coiled fence or telegraph wire, comprising a cylindrical drum and a circular flange at each end, the drum receiving and the flanges retaining the spooled wire from lateral displacement.

The spool B is loosely secured upon the aligning pintles *e* by the insertion of the latter within an axial perforation formed in the

spool-drum, as represented by dotted lines in Fig. 1.

A preferred means for the convenient attachment of the spool B upon the pintles *e* consists in the provision of a bent arm *g g'*, one limb *g* of which is secured by its end to the L *d'*, extends toward the stretcher-bar *b'*, and next the same is bent at a right angle to form the limb *g'*, which projects parallel to the stretcher-bar and terminates, preferably, in a loop or eye *g²*. A pusher-rod C is a part of the device used to swing the pintle on the L *d'* and lock it in closed condition. It is extended from the stretcher-bar *b'* to the bar *b*, and is thereon loosely secured by its sliding engagement with staples *h h'*, that are respectively affixed in the stretcher-bars. One end of the pusher-rod C is projected in advance of the forward stretcher-bar *b'* and is hooked fast to the eye *g²* of the bent arm *g g'*. The opposite end portion of the pusher-rod C extends rearwardly of the stretcher-bar *b* and is twice bent at right angles, so as to offset the portion beyond the stretcher-bar named and produce a locking shoulder *i*, which may be made to engage with one leg of the staple *h* when the rod is drawn rearward or toward the operator (who is opposite the bar *b* when handling the device) and then moved laterally, this adjustment of parts securing the spool B in place upon the pintles *e*. To release the spool, it is only necessary to move the handle end *m* of the pusher-rod C away from the staple-leg it is interlocked with, when it may be shoved forward through the staple *h*, thus rocking the frame-bar piece *a'* and L *d'* into the position indicated in Fig. 3.

In service, when it is intended to employ the trundler to lay off lines of wire for fencing purposes the device is drawn or pushed, as may be most convenient, so as to place it with a full spool at one end of the fence-line. The end of the wire strand *o* is attached to a standing post of the fence and the reel drawn or pushed toward the next post, said wire being affixed in place to form the top "lay" of the fence.

There may be any desired tension given to the wire as laid by turning the turn-buckle D in a proper direction to shorten the pusher-rod after it is locked, the shoulders at *e'*, pro-

duced by the ends of the L's $d d'$, causing a friction on the spool ends that may be graduated as may be required.

5 The trundler may be moved through narrow spaces between trees where a fence or telegraph line is run in a forest, and also be pushed or drawn across the fence-line to carry the wire from one side to the other, as occasion may require.

10 The device may be utilized to transfer wire rolls from one point to another, for loading on cars or in wagons, upon a gang-plank, and is available also to roll barrels or casks if the ends of the pintles are slightly pointed to engage the opposite heads of such vessels.

15 Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

20 1. The combination, with an elongated frame having a bent end and pintle on one side bar and a jointed laterally-movable leg-piece on the other side bar, provided with a pintle end, of a pusher-rod and a bent arm which are adapted by their adjustment to swing the
25 movable piece on its joint and lock it when closed, substantially as described.

2. The combination, with an elongated frame having one side bar bent inwardly and provided with a pintle and the opposite side bar furnished with a jointed laterally and outwardly movable leg-piece, which is correspondingly bent and furnished with a pintle end that projects toward the other pintle when the leg is in closed adjustment, of a bent arm having one limb attached to the
35 swinging leg-piece and its other limb extended inwardly at a right angle, and a pusher-rod that is bent to form a shoulder adapted to interlock with a guiding-staple on the frame of the trundler, substantially as described. 40

3. The combination, with a wire-holding spool, of an elongated frame having one bent end that enters an end of the spool, an opposite swinging end piece that enters the opposite end of the spool, and a device adapted to
45 move the swinging limb, lock it, and clamp it toward the fixed end of the frame within the spool, substantially as described.

CULLEN R. SMITH.

Witnesses:

L. E. CARTWRIGHT,
J. W. CAMPBELL.