

(No Model.)

C. F. CORNS & S. W. JENKS.
WIRE FENCE STRETCHER.

No. 523,329.

Patented July 24, 1894.

Fig 5.

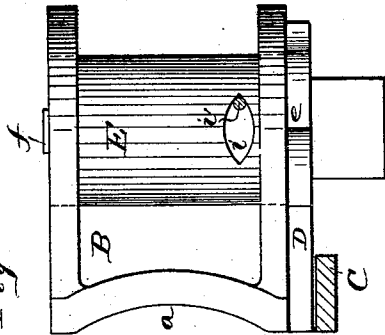


Fig 4.

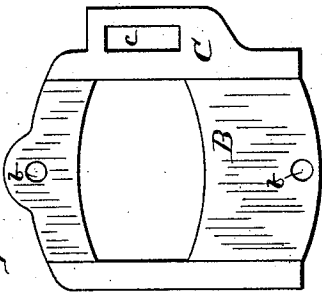


Fig 1.

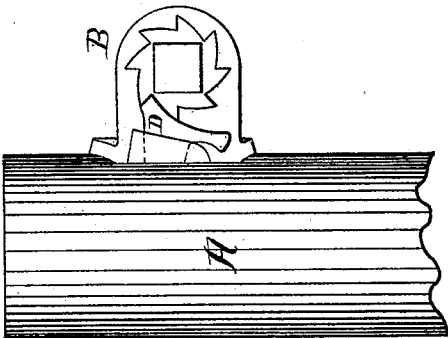


Fig 2.

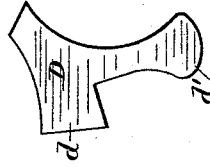


Fig 6.

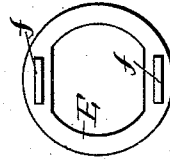
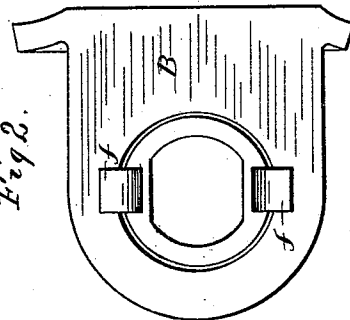


Fig 3.



Fig 2.



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UNITED STATES PATENT OFFICE

CHARLES F. CORNS AND SUMNER W. JENKS, OF DAYTON, OHIO.

WIRE-FENCE STRETCHER.

SPECIFICATION forming part of Letters Patent No. 523,329, dated July 24, 1894.

Application filed April 14, 1894. Serial No. 507,514. (No model.)

To all whom it may concern:

Be it known that we, CHARLES F. CORNS and SUMNER W. JENKS, of Dayton, county of Montgomery, State of Ohio, have invented a new and useful Improvement in Wire-Fence Stretchers; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Our invention relates to new and useful improvements in wire fence stretchers, the object of which is to provide a stretcher having features that are essential to a high degree of utility in such devices.

To this end said improvements consist in certain novel and well defined constructions embraced in the frame, the winding drum and the detaining mechanism, all of which will be fully described in the specification and specifically set out in the appended claims.

Referring to the annexed drawings forming a supplement to the specification, Figure 1 is a side elevation of a part of a fence post with one of our improved wire stretchers attached thereto. Fig. 2 is a side elevation of said stretcher. Fig. 3 is an elevation of the side opposite to that shown in Fig. 2. Fig. 4 is a rear elevation of the frame with the winding spool and dog removed. Fig. 5 is a top plan view with the slotted lug shown in section. Fig. 6 is an end view of the windingspool removed from the frame. Fig. 7 is a detached detail view of the dog.

Similar letters of reference will be used to denote corresponding parts in the several views.

A designates a circular post.

B is the frame the rear portion of which is curved as at (a) to conform to the shape of said post, and which is secured to said post by means of screws passing through eyes (b), or the attachment of said frame may be made in any other suitable manner.

C is a lug cast integrally with the frame and terminating flush with the rear extremity thereof; this lug is provided with a horizontal slot (c) which is shown in dotted lines in Figs.

1 and 3, to be somewhat on an incline from front to rear.

D designates a dog of peculiar shape, the shank (d) of which is provided with a bearing in the socket (c), and by reason of the incline of said slot is permitted to oscillate therein and to drop by gravity into the ratchet teeth (e) on one end of the hollow winding spool E, the lower extremity or finger portion (d') of the dog, it will be noted in Fig. 3 projects below the lower terminal of the slotted lug, the object of this is to enable the fingers to move said dog conveniently to the position shown in dotted lines Fig. 3 and permit a backward rotation of the spool whenever necessary.

(f) designates flanges cast integrally with the winding spool and on one end thereof; these flanges are bent over against the frame, as shown in Fig. 2, after the spool is mounted in the frame, and thus the spool is prevented from leaving its bearings by means on the outside of the frame, therefore, an even winding of the wire upon said spool is facilitated, and the spool is permitted to turn freely.

(i) designates a pointed opening in the spool in which the end of the wire (i') is at first secured.

The new and important features of the winding spool are the flanges (f), and the pointed slot (i); these flanges being an integral part of said spool, are not liable to become displaced thereby permitting the spool to become detached from the frame while in a serviceable position; the slot (i) by being constructed in the tapering form shown in Fig. 5, catches the wire securely as the spool is rotated and thereby prevents a slipping of said wire in the initial winding thereof.

Having described our invention, we desire to claim—

1. A wire fence stretcher consisting of a frame provided with a lug on the rear portion of one side thereof, said lug being provided with a horizontal slot, a dog having its shank socketed in said slot so that a part of said dog projects below the lower extremity of said lug, a winding spool provided with ratchet teeth in which said dog drops by gravity, flanges on one end of said spool by means of which the spool is maintained within its bearing in said frame, and a pointed opening in

said spool in which the wire is held to afford the initial wind.

2. The combination of the frame provided with a curved back as at (a), and a lug C with
5 a horizontal slot therein, a dog D provided with a shank (d) which has a bearing in said horizontal slot, and a finger portion (d'), a winding spool provided with a ratchet, a pointed slot (i), and flanges (f), the latter
10 adapted to be turned laterally on the outside

of the frame to maintain the spool in its bearing, substantially as herein described.

In testimony whereof we have hereunto set our hands this 7th day of April, 1894.

CHAS. F. CORNS.
SUMNER W. JENKS.

Witnesses:

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R. J. MCCARTY.