Oct. 16, 1945. J. H. SAYLES 2,386,751

BARBED WIRE STRETCHER

Filed Feb. 5, 1943 3 Sheets-Sheet 1

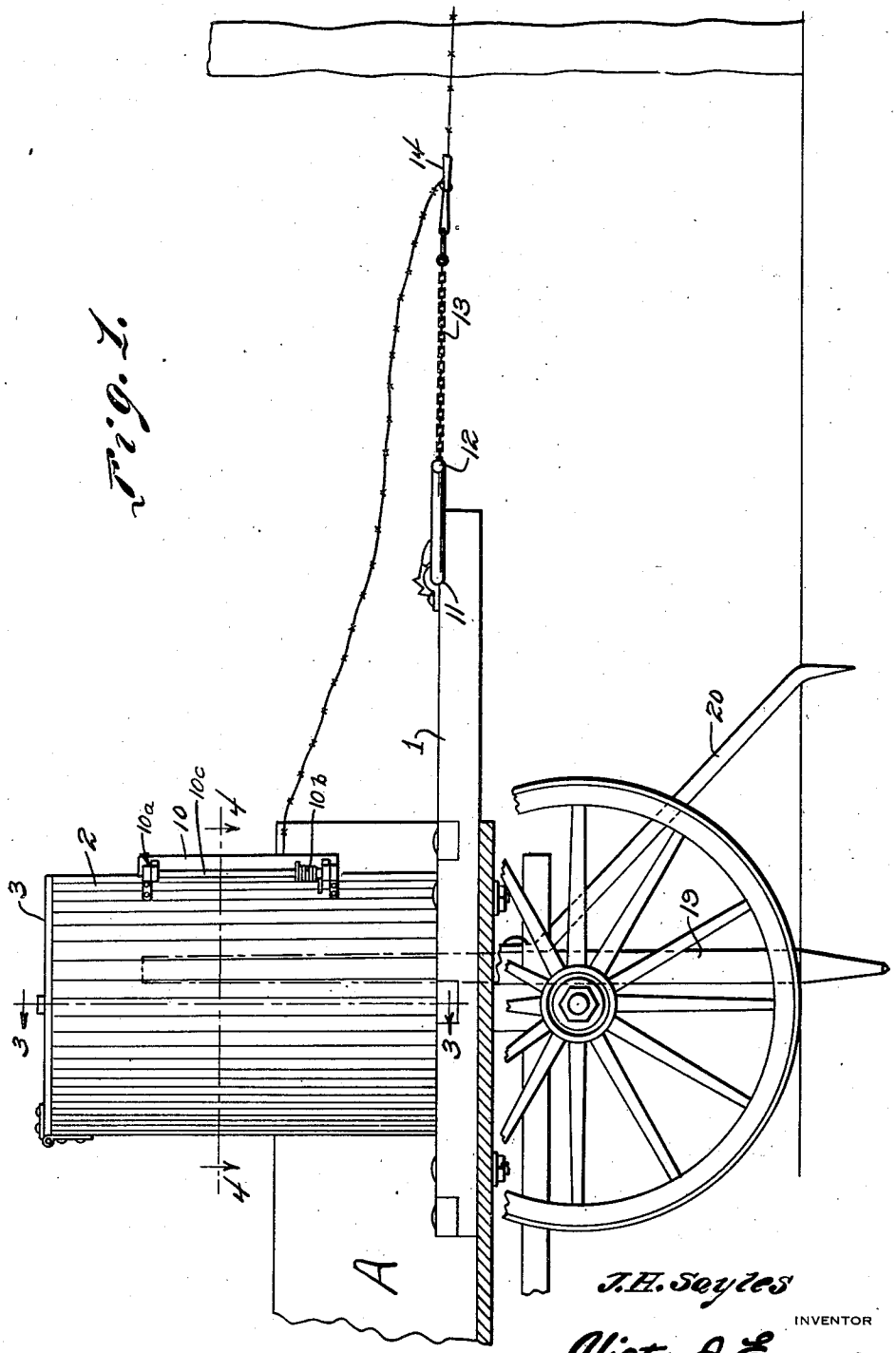


Fig. 1.

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Filed Feb. 5, 1943 3 Sheets-Sheet 2

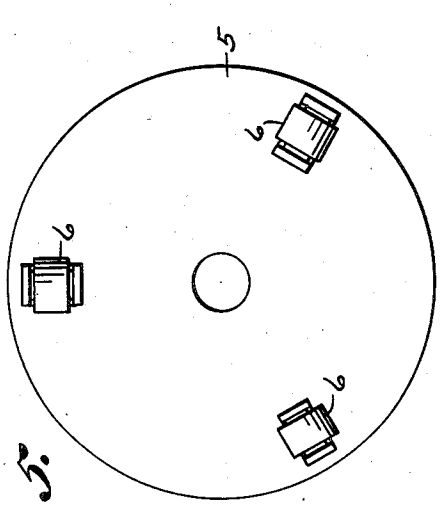


Fig. 3.

Fig. 2.

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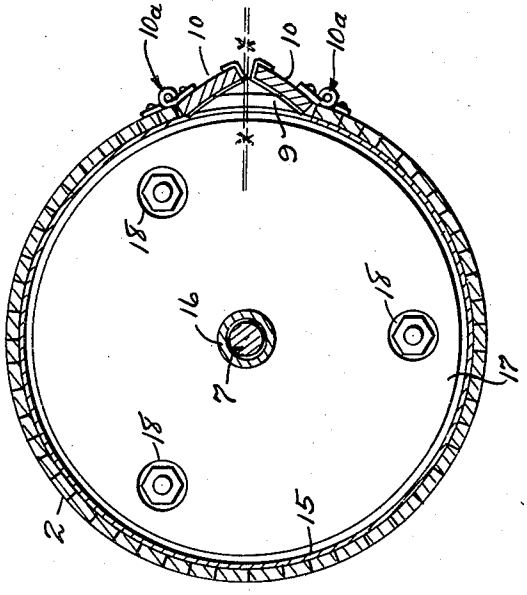
BY Victor J. Evans and Company ATTORNEYS

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BARBED WIRE STRETCHER

Filed Feb. 5, 1943 3 Sheets-Sheet 3

Fig. 4.



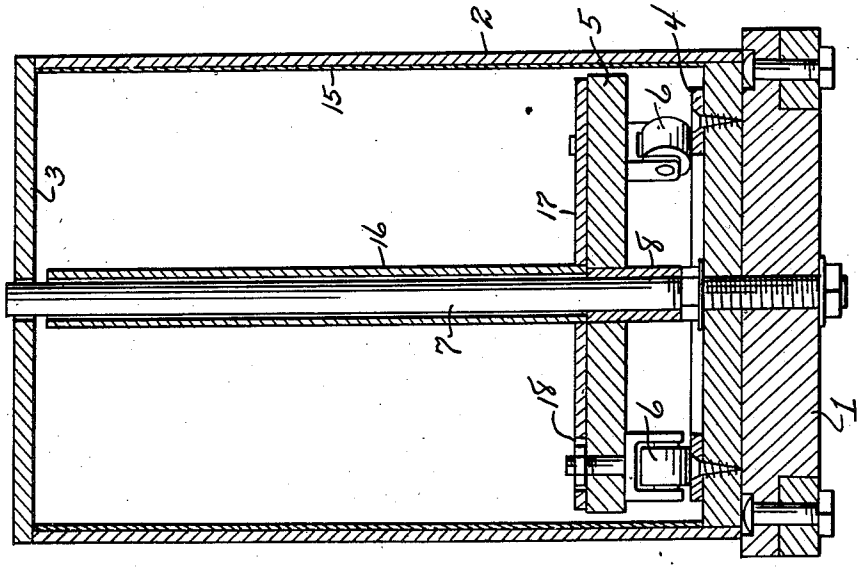


Fig. 3.

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Patented Oct. 16, 1945

2,386,751

UNITED STATES PATENT OFFICE

2,386,751

BARBED-WIRE STRETCHER

James H. Sayles, Uvalde, Tex.

Application February 5, 1943, Serial No. 474,820

1 Claim. (Cl. 242—85)

This invention relates to a device for unrolling and stretching barbed wire, the general object of the invention being to provide means for holding one or more rolls of the wire in such a manner that it can be easily played out along a fence line and other means for stretching the wire after it has been unrolled so that a barbed wire fence can be erected in a minimum amount of time.

A further object of the invention is to provide a casing having a rotary member therein for supporting the wire and said casing having an opening therein through which the wire passes as it is unrolled, with spring doors for preventing the wire being played out too fast.

A further object of the invention is to provide a frame for supporting the casing and to the rear of which is rotatably mounted a shaft to which the wire stretching means are connected, the shaft having handles by which it may be rotated.

This invention also consists in certain other features of construction and in the combination and arrangement of the several parts, to be hereinafter fully described, illustrated in the accompanying drawings and specifically pointed out in the appended claims.

In describing my invention in detail, reference will be had to the accompanying drawings wherein like characters denote like or corresponding parts throughout the several views, and in which:

Figure 1 is an elevation with parts in section, showing the invention applied to a wagon and the wire being stretched.

Figure 2 is a plan view of Figure 1.

Figure 3 is a section on line 3—3 of Figure 1.

Figure 4 is a section on line 4—4 of Figure 1.

Figure 5 is a bottom plan view of the turntable.

In these views 1 indicates a frame which may be provided with wheels so that it can be pushed along the ground though I prefer to fasten the frame in the body of a wagon, such as shown at A in Figures 1 and 2, with the rear part of the frame projecting from the wagon. This frame supports a casing 2 which is provided with a hinged top 3 and has an annular track 4 on its bottom. A turntable 5, having the rollers 6 connected therewith, is rotatably mounted in the casing by having its rollers engaging the track. An upright shaft 7 is arranged in the casing with its lower end fastened to the frame and the bottom of the casing and with its upper end passing through a hole in the top 3. This shaft passes through a centrally arranged hole in the turntable, a hub 8 being placed on the lower part of the shaft and having its upper end extending into the hole in the turntable.

The casing has an opening 9 therein which is closed by a pair of spring pressed doors 10, the doors opening outwardly and the springs tending to hold them closed.

The respective doors 10 are hinged, as at 10^a, to the casing 2 at opposite sides of the opening 9 of the casing. As shown in Figure 1, each spring 10^b is sleeved on the pin 10^c of a hinge with its ends in contact with the casing and a door.

A shaft 11 is journaled in the rear end of the frame 1 and has its ends bent to form the crank handles 12. A chain 13 is connected with the shaft and the outer end of the chain is connected with the wire grippers 14 so that by turning the shaft after the grippers have been placed in engagement with the wire, the wire will be stretched, as shown in Figures 1 and 2.

From the foregoing it will be seen that by placing a roll of wire in the casing upon the turntable 5 and passing the end of the wire through the opening, the wire will be unwrapped from the roll by fastening the end of the wire to an object and moving the wagon, for as the wagon moves along, the strain on the wire will cause the turntable and the roll thereon to turn and thus the wire will unwrap from the roll. The pressure of the spring doors on the wire will act to keep the wire from passing from the casing too fast so that there is no danger of the wire looping as it passes from the casing. After a sufficient amount of the wire has been played out, the grippers can be fastened to the wire and then by turning the shaft 11, the wire can be stretched along the post so that it can be fastened to the post. The shaft is provided with the ratchet means 11' to prevent retrograde movement thereof.

I prefer to line the casing with metal, as shown at 15, to prevent the barbs of the wire cutting into the walls of the casing and the doors are also lined with metal. I also prefer to place a tubular member 16 around the shaft 7, a disk 17 being fastened to the lower end of the member 16 and resting upon the turntable, the openings 18 in said disk receiving the projecting ends of the roller carrying members and their nuts. This arrangement insures the disk rotating with the turntable.

In order to prevent the backward movement of the wagon when the wire is being stretched, I drive a post 19 into the ground in rear of the axle of the wagon, said post being provided with a brace 20.

The casing may be made tall enough so that a

number of rolls of wire may be placed therein and these rolls can be unwound separately or simultaneously, as desired.

It is thought from the foregoing description that the advantages and novel features of my invention will be readily apparent.

I desire it to be understood that I may make changes in the construction and in the combination and arrangement of the several parts, provided that such changes fall within the scope of the appended claims.

What I claim is:

A wire handling device comprising a frame, a support for a roll of barbed wire rotatably mounted on the frame, a cylindrical casing surrounding the support and having an enlarged opening in the arcuate wall thereof, a pair of doors forming a closure for the opening, each hinged to an opposed side of the opening and adapted to move outwardly by contact of the wire therewith as it is withdrawn from the casing, and a spring connected to each door and to the casing to urge the free ends of the doors into contact with the strand at opposite sides thereof so as to tension the strand as it is withdrawn from the casing.

JAMES H. SAYLES.