D. COLLINS.

LINEMAN'S DEVICE.

APPLICATION FILED DEC. 1, 1916.

1,275,392.

Patented Aug. 13, 1918.

3 SHEETS—SHEET 1.

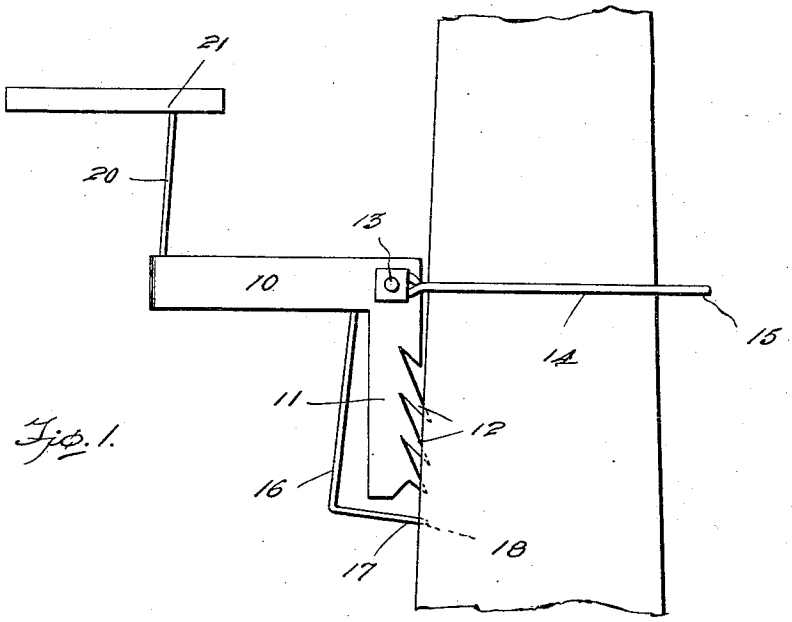
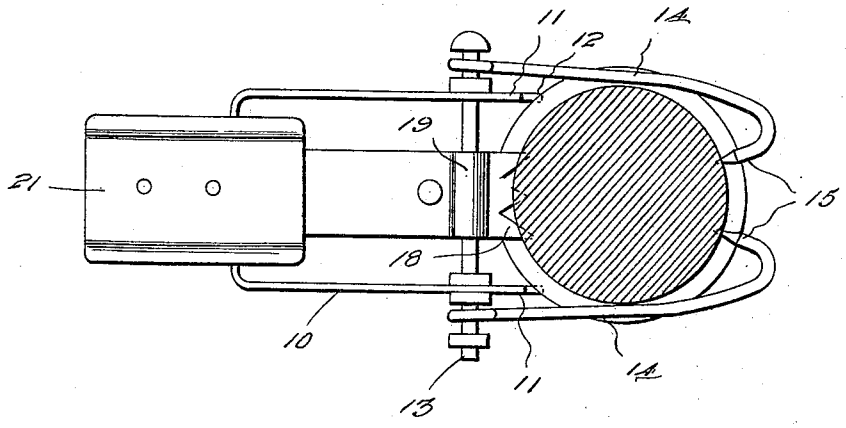


Fig. 1.

Fig. 2.



Witness

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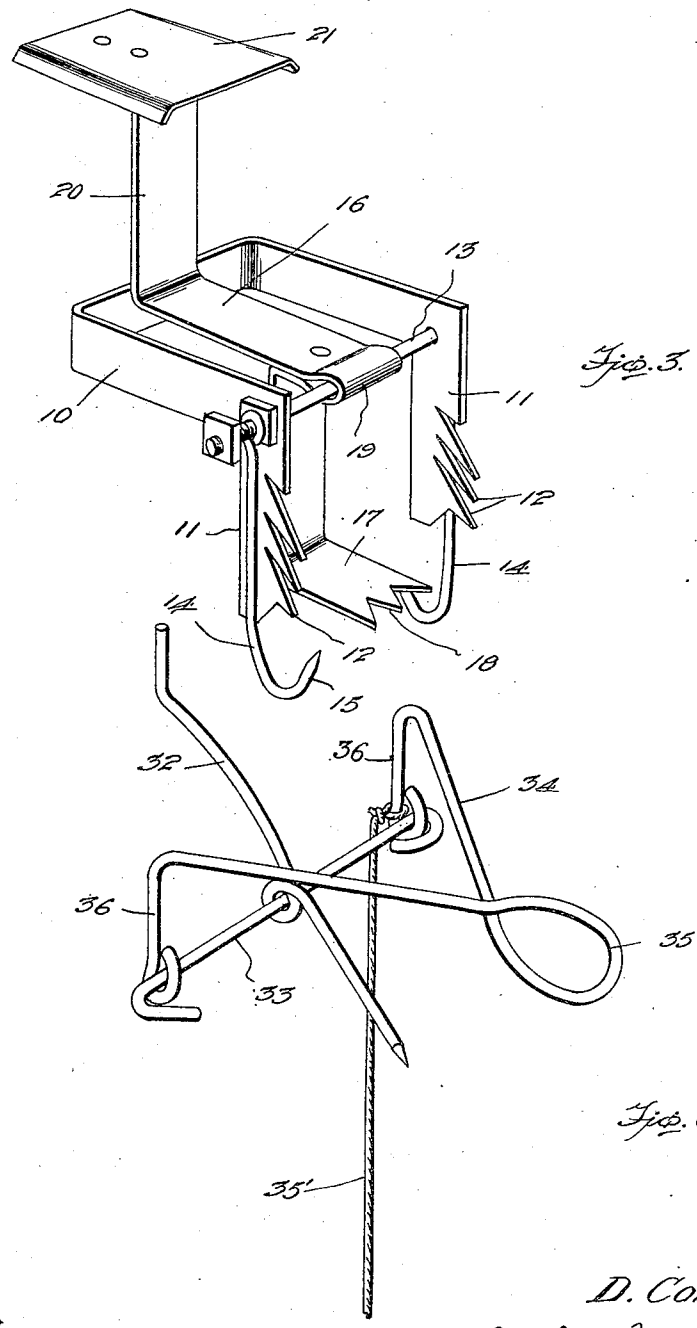


Fig. 3.

Fig. 6.

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3 SHEETS—SHEET 3.

Fig. 4.

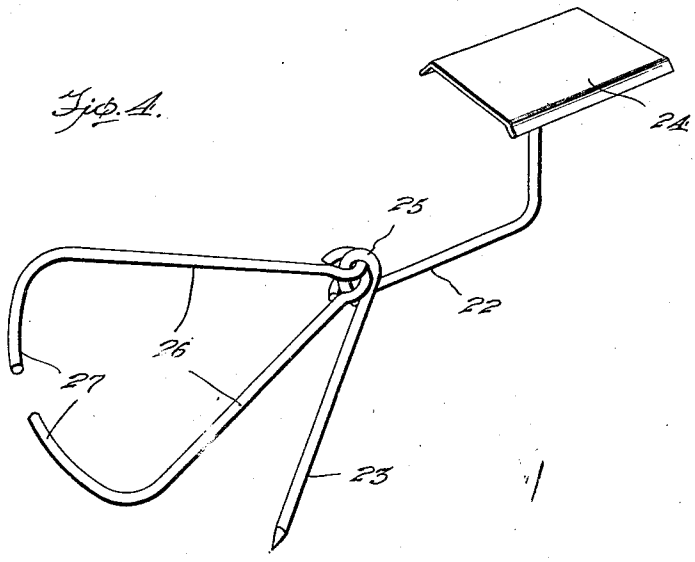
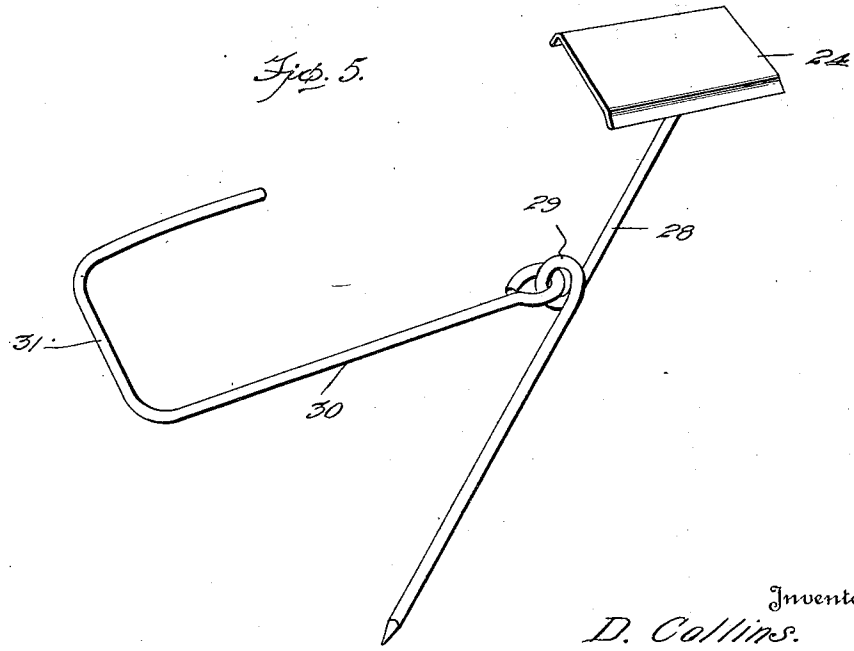


Fig. 5.



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UNITED STATES PATENT OFFICE.

DAN COLLINS, OF BAKER, OREGON.

LINEMAN'S DEVICE.

1,275,392. Specification of Letters Patent. **Patented Aug. 13, 1918.**

Application filed December 1, 1916. Serial No. 134,456.

To all whom it may concern:

Be it known that I, DAN COLLINS, a citizen of the United States, residing at Baker, in the county of Baker and State of Oregon, have invented certain useful Improvements in Linemen's Devices, of which the following is a specification, reference being had therein to the accompanying drawing.

The invention relates to a scaffold and more particularly to the class of linemen's devices for use on upright supports such as telegraph poles, posts, columns, trees or the like.

The primary object of the invention is the provision of a device of this character wherein a support for a workman can be mounted upon an upright support to be occupied while he is at work without possibility of the slipping thereof and also is capable of adjustment so that the workman when using the support can be positioned at the proper elevation upon the upright support.

Another object of the invention is the provision of a device of this character wherein the construction thereof is novel in form to assure the positive and firm gripping of the upright support to avoid any possibility of the working loose of said device when positioned thereon and occupied by a workman while he is at work thereupon.

A further object of the invention is the provision of a device of this character which enables a workman to mount the upright support and execute work thereon, the device being simple in construction, thoroughly reliable and efficient in its purpose, strong, readily and easily operated and inexpensive in manufacture.

With these and other objects in view the invention consists in the features of construction, combination of elements, and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereunto appended.

In the accompanying drawings:

Figure 1 is a side elevation of a device constructed in accordance with the invention applied to a pole.

Fig. 2 is a horizontal sectional view through the pole showing the device in top plan.

Fig. 3 is a perspective view of the device removed from the pole.

Fig. 4 is a perspective view of a modified form of the device.

Fig. 5 is a perspective view of a further modification.

Fig. 6 is a perspective of a still further modification.

Similar reference characters indicate corresponding parts throughout the several views in the drawings.

Referring to the drawings in detail, more particularly to Figs. 1, 2 and 3 thereof the device comprises a substantially U-shape frame 10 preferably made from metal although the same may be made from any other suitable material having the required rigidity and strengthened with the limbs thereof formed with depending legs 11 which may be made separate therefrom and fastened thereto, and are provided with teeth 12 which are adapted to bite into an upright support when the frame is positioned thereon. The legs 11 which are at right angles to the frame 10 can engage with any upright or with cross members of a building structure or edifice for the hanging of the frame thereon. Passed through the limbs of the frame 10 transversely thereof is the pivot rod 13 which is fastened therein in any suitable manner and can be of any desirable form for the swinging engagement thereon of a pair of hanger arms or jaws 14 which are formed with curvilinear or hook ends 15 which embrace and grip a portion of the upright support when the frame is positioned thereon, the arms or jaws 14 being swingingly connected to the rod 13 in any suitable manner and are capable of adjustment thereon so as to accommodate the arms or jaws to different sizes of upright supports.

Swingingly mounted upon the pivot rod 13 within the frame 10 is a grab member comprising a lever 16 preferably made from a single piece of material bent at its lower portion to form a grab jaw 17 having a serrated terminal 18 while intermediate the ends of this lever is a pintle sleeve 19 which loosely surrounds the pintle rod 13 and the upper end portion of the lever is bent to form a seat rest 20 on which is mounted a suitable seat 21 to be occupied by the user of the device.

In the application of the device on an upright support the frame is positioned at one side thereof with the jaws 14 engaged about the same so that the teeth 12 of the legs 11 will contact with the upright support and the jaw 17 will have its biting terminal

18 engaged therein when the seat is occupied as the weight of the occupant acts upon the jaw and in this manner the device is securely and positively held in position for use at any elevated point upon the upright support without possibility of slipping while the user is at work thereon.

In Fig. 4 is shown a modified form of the device wherein the same comprises the lever 22 forming at its lower end portion a prop 23 while the upper end portion serves as a seat rest for a seat 24 and this lever immediate its ends is provided with an eye 25 in which are loosely engaged hanger arms or jaws 26 having the curvilinear or hook ends 27 to embrace the upright support, the terminals of the prop end 23 being adapted to bite into the latter when the arms or jaws 26 embrace the same so that the device will be securely and firmly mounted thereon for the use of a workman.

In Fig. 5 of the drawing there is shown a further modification of the invention wherein the lever 28 which forms a prop and seat support is provided with an eye 29 in which is loosely engaged a single hanger arm 30 having the curvilinear or hook end 31 to embrace the upright support while the prop end of the lever 28 bites thereinto when weight is applied to the seat end of said lever and in this manner a workman will be supported for the execution of work upon the upright support.

In Fig. 6 there is shown another modification of the invention wherein the combined prop and seat support 32 is swingingly supported upon a pivot rod 33 mounted on the frame 34 which is formed with a loop 35 to embrace the upright support and is applied by slipping the same over the head end thereof, the end portions of the frame 34 being bent downwardly at right angles thereto as at 36 to form bearing shoulders which are adapted to abut against a cross member upon the upright support. Connected with one of these down-turned portions 36 of the frame 34 is one end of a flexible cable or rope 35′ which is adapted to be wrapped about the upright support and fastened in any suitable manner so that the said frame will be positively and firmly held upon the upright support after being positioned thereon.

It will be seen that the device constructed as hereinbefore described is comparatively light yet amply strong for use, that it can be readily carried by the user. Also the device is applicable to many other purposes, as the mounting of the same upon edifices in the course of construction for use by carpenters or other workmen, and said device is readily adjustable for the positioning thereof at different elevations upon supports.

It is to be clearly understood that changes and various modifications may be made in the invention as may come properly within the scope of the appended claims without departing from the spirit of the invention or sacrificing any of its advantages.

From the foregoing it is thought the construction and manner of use of the device can be clearly understood and therefore a more extended explanation has been omitted.

What is claimed is:

1. A device of the character described including a frame, serrated legs depending therefrom and adapted for biting engagement with an upright support, a pintle extending through the frame, hanger jaws pivotally connected on opposite sides of the frame and adapted for biting engagement with the opposite side of a support, a lever swingingly mounted on the pintle, a grab jaw formed on the lower end of the lever and adapted for biting engagement with a support at a point beneath the frame, a seat support formed on the upper end of the lever, and a seat mounted on the seat support.

2. A device of the character described including a frame substantially U-shaped in configuration, depending serrated legs integral with the free ends of the frame and adapted for biting engagement with a support, a pintle extending through the frame near the free ends thereof, a pair of hanger jaws swingingly connected on the respective ends of the pintle and having their outer hooked terminals adapted for gripping a portion of the support, a lever formed from a single piece of metal, a sleeve formed intermediate the ends of the lever for swingingly connecting the lever about the pintle, a serrated grab jaw formed integral with the lower end of the lever and designed for biting engagement with the support, an upwardly extending seat support formed on the upper end of the lever and a seat carried by the seat support.

In testimony whereof I affix my signature.

DAN COLLINS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."