Jan. 14, 1930. J. BLACKBURN 1,743,100

LINEMAN'S CHAIR

Filed Dec. 12, 1927

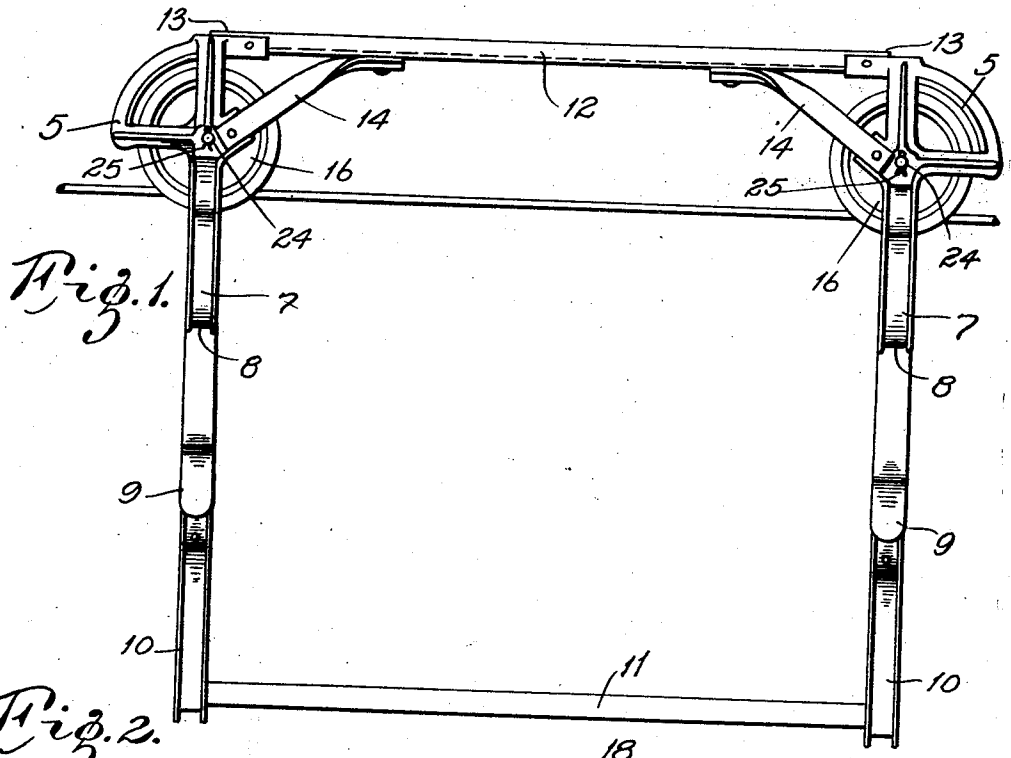


Fig. 1.

Fig. 2.

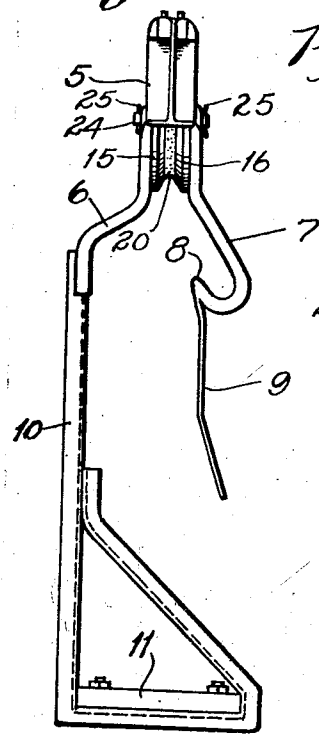


Fig. 3.

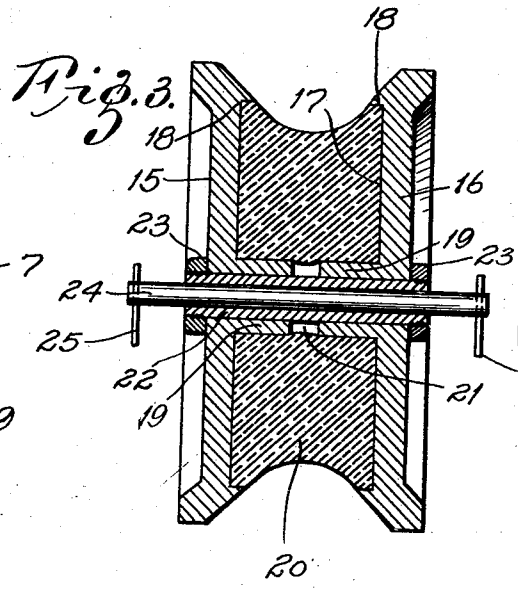
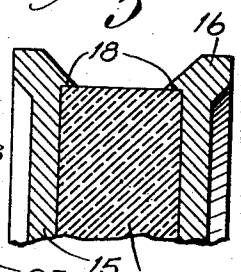


Fig. 4.



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UNITED STATES PATENT OFFICE

JASPER BLACKBURN, OF WEBSTER GROVES, MISSOURI

LINEMAN'S CHAIR

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My invention relates to improvements in lineman's chairs, and has for its primary object a lineman's chair, the wheels of which are provided with a resilient center portion or tread whereby the same can easily negotiate or ride over cable hangers, clamps and thimbles because the tread being resilient can compress when riding over these obstructions and consequently the lineman in the chair is not jarred as is the case where wooden or metal wheels are used.

A further object is to construct a lineman's chair, the yoke of which is so arranged that in the event of the chair being tilted and the wheels sliding off of the wire, the yoke will hook on to the wire and prevent the chair from falling to the ground. By this construction, the possibility of injuring persons passing along underneath the wire is eliminated.

In the drawings:

Fig. 1 is a side elevation of my device;

Fig. 2 is an end view of the same;

Fig. 3 is an enlarged vertical cross section of one of the wheels showing the manner of assembling the same; and

Fig. 4 is a fragmental cross section of a wheel showing a different type of tread.

In the construction of my device I employ a yoke 5, which is provided with downwardly and outwardly diverging arms 6 and 7. The arm 7 terminates in a hook 8, which projects upwardly and inwardly. The arm 7 is also provided with a downwardly extending guide or guard 9.

Carried by the arm 6 is a stirrup or bracket 10 to which the seat board 11 is secured. In order to couple two yokes together, I employ a cross rod or bar 12, which has its ends 13 secured to the yokes. The yokes are further secured to the bar 12 by means of brackets 14, one of these brackets being on each side of each wheel. This prevents any possibility of the yokes moving backward and forward on the bar 12.

The wheel is composed of side members 15 and 16. These side members have their inner face grooved or channeled out as indicated by the numeral 17 so as to form a shoulder 18.

Formed integral with the members 15 and 16 and projecting from the inner faces thereof are hubs 19. These hubs are surrounded by a body of resilient material 20, such as rubber. It will be noted from Figs. 3 and 4 that the rubber also is surrounded on its outer edge by the shoulders 18. The purpose of this is to prevent the wire on which the chair is moving from being forced in between the rubber or resilient body and one of the flanges. The resilient body is provided with a central opening 21, which receives the hubs 19. Passing through the hubs 19 is a sleeve 22, which sleeve is provided with nuts 23 on its ends so that the flanges 16 can be drawn together and securely clamp the resilient body 20.

Passing through the sleeve 22 is a pin or axle 24, which passes through openings in the yoke 5. The ends of the pin 24 are provided with bores extending at right angles to the axis of the pin for the reception of cotter keys 25. This prevents the axle or pin from slipping out of the yoke but at the same time permits it to be readily removed so that the resilient member can be replaced when it becomes badly worn. I may either groove out the resilient member or body 20 as disclosed in Fig. 3, or I may leave its periphery straight across as disclosed in Fig. 4, this depending a great deal on the choice of the party ordering the chair.

It will be noted from Fig. 2 that the hook 8 is so arranged that in the event of the chair being tilted in one direction so that the arm 7 would hang on the messenger wire, there is no possibility of the chair falling off because the hook 8 will engage with the wire and prevent this from happening.

My device, as aforementioned, easily rides over cable hangers, clamps and thimbles on account of the resilient body or central portion of the wheel because, when such a projection is struck by the wheel, the resilient body will compress thereby eliminating jolts and permitting the chair to ride smoothly along the wire.

Having fully described my invention, what I claim is:—

1. A lineman's chair comprising a pair of yokes having downwardly and outwardly diverging arms, an inwardly and upwardly

extending hook carried by one of said arms, a stirrup carried by the other of said arms, means for securing said yokes together in spaced alignment with each other, a seat carried by said stirrups, and a wheel removably carried by each of said yokes.

2. A lineman's chair comprising a pair of yokes having downwardly and outwardly diverging arms, an inwardly and upwardly extending hook carried by one of said arms, a stirrup carried by the other of said arms, rigid means for securing said yokes together in spaced alignment with each other, a seat carried by said stirrups, and a wheel having a resilient tread removably carried by each of said yokes.

3. A lineman's chair comprising a pair of yokes having downwardly and outwardly diverging arms, an upwardly and inwardly extending hook carried by one of said arms, a stirrup carried by the other of said arms, means for securing said yokes together in spaced alignment with each other, a seat carried by said stirrups, a wheel located in each of said yokes, and an axle removably carried by each of said yokes for supporting said wheels.

4. A lineman's chair comprising a pair of yokes having downwardly and outwardly diverging arms, an inwardly and upwardly extending hook carried by one of said arms, a stirrup carried by the other of said arms, rigid means for securing said yokes together in longitudinally spaced alignment with each other, a seat carried by said stirrups, a wheel having a resilient tread removably located in each of said yokes, and an axle removably carried by each of said yokes for pivotally supporting said wheels therein.

In testimony whereof I have affixed my signature.

JASPER BLACKBURN.