

No. 844,641.

PATENTED FEB. 19, 1907.

G. P. YEAKEL & W. C. L. IRELAND.

LINEMAN'S CHAIR.

APPLICATION FILED SEPT. 14, 1906.

2 SHEETS—SHEET 1.

Fig. 1

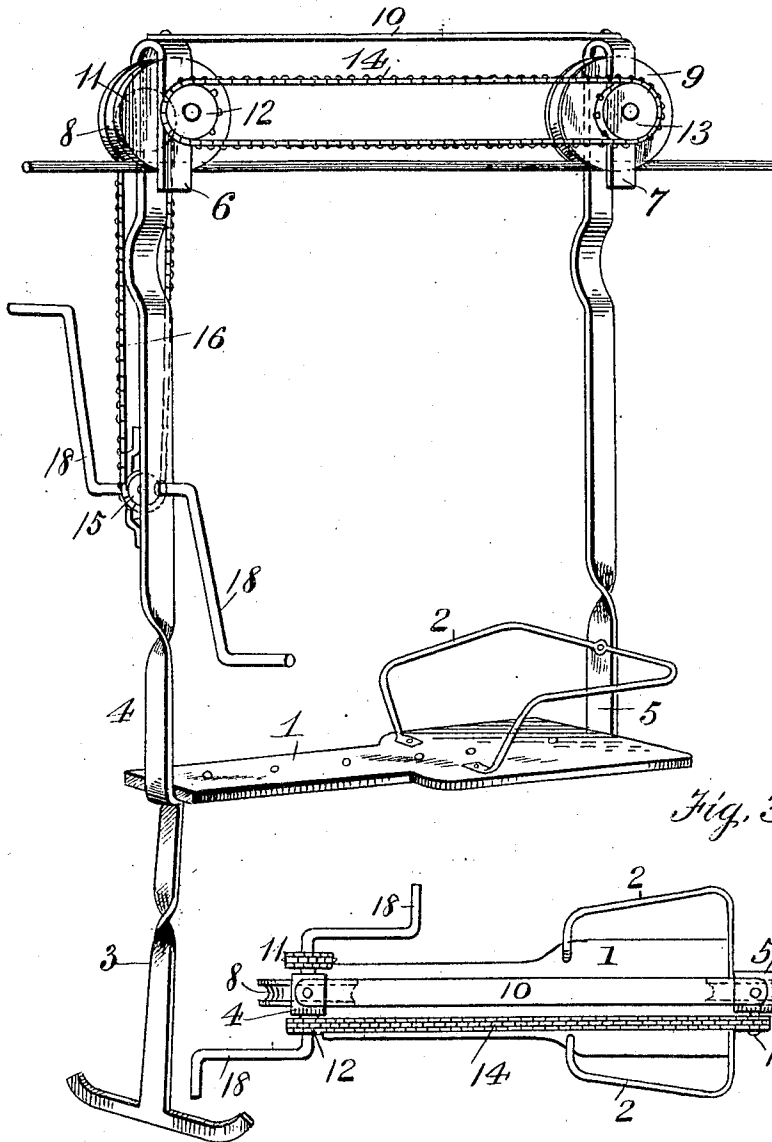


Fig. 3.

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2 SHEETS—SHEET 2.

Fig 2

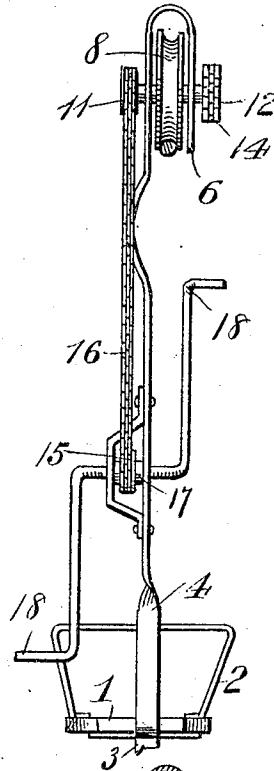
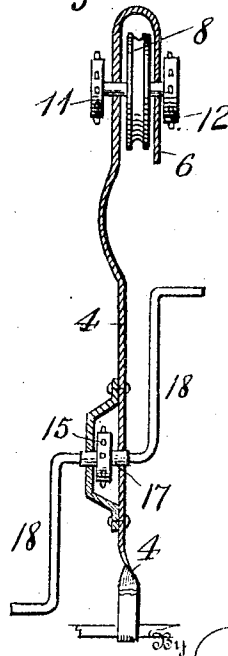


Fig 4.



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UNITED STATES PATENT OFFICE.

GEORGE P. YEAKEL AND WHORTON C. L. IRELAND, OF NORRISTOWN, PENNSYLVANIA, ASSIGNORS OF ONE-THIRD TO CHARLES KELLER, OF NORRISTOWN, PENNSYLVANIA.

LINEMAN'S CHAIR.

No. 844,641.

Specification of Letters Patent.

Patented Feb. 19, 1907.

Application filed September 14, 1906. Serial No. 334,693.

To all whom it may concern:

Be it known that we, GEORGE P. YEAKEL and WHORTON C. L. IRELAND, citizens of the United States, residing at Norristown, in the county of Montgomery and State of Pennsylvania, have invented certain new and useful Improvements in Linemen's Chairs, of which the following is a specification.

Our invention relates to improvements in what may be termed "linemen's chairs." Its object is to promote facility and convenience in the linemen's duties in traveling from pole to pole in stringing additional wires and otherwise equipping telephone-lines and the like, also to insure safety against accident or falling from his mid-air position, and to accomplish these ends in a simple, expeditious, and effective manner.

Said invention consists of certain features or instrumentalities, substantially as herein-after fully disclosed and specifically pointed out by the claims.

In the accompanying drawings, illustrating the preferred embodiment of our invention, Figure 1 is a perspective view thereof in position for use. Fig. 2 is an end elevation of the contrivance. Fig. 3 is a plan view of the same, and Fig. 4 is a vertical section produced through the forward hanger, pulley, and other parts.

In carrying out our invention we provide a seat 1, preferably in the form of a board, as shown, having continuous arms and back 2, preferably of stout strong rod formation, which all constitute the lineman's chair proper. Said seat or board has depending in fixed position from its forward under side a rigid or iron foot-rest 3, preferably of practically inverted-T form, and is itself suspended by rigid hangers or suspenders 4 5, these in turn having upper-end returned portions 6 7, between which are arranged pulleys 8 9, whose journals rest or are received in openings in the same, as shown. These pulleys travel upon a cable or wire, as seen, and may be suitably equipped upon their peripheries with rubber tires to guard against their possible slipping upon said cable, as might otherwise happen, especially in frosty

weather. Said hangers are firmly connected together by a suitable brace or rod 10 spanning the distance therebetween and fixed in any suitable way to said hangers upon their upper surfaces.

The pulleys 8 9 have their journals provided with toothed or sprocket pinions 11 12 13, two, 11 12, being fixed to the journal of one pulley, and encompassing one of which and the single pinion 13 of the rear-end pulley 9 is an endless chain or belt 14 for the simultaneous propulsion of the two pulleys. The pinion 11 of the forward pulley 8 and a like pinion 15 are engaged by a second endless chain or belt 16, the shaft 17 of the latter pinion being suitably journaled in one of said hangers and having fixed thereto crank-arms 18, adapted to be manually actuated by the lineman, who may be seated in the chair aforesaid. By this arrangement it is obvious that the lineman may propel himself along the line from pole to pole in attending to the equipment of the poles with additional wires with facility and assurance of comparative safety in his mid-air work.

It will be noticed that the hangers 4 5 are deflected or bent, as at 19, to escape contact with the cable or wire subsequently placed or suspended in position, as indicated.

We claim—

1. A device of the character described, employing a chair fixed to rigid suspenders or hangers rigidly held together and equipped with wheels or pulleys at their upper ends, said pulleys having their journals or shafts provided with pinions, means for conjointly propelling said pinions, an additional pinion supported upon one of said hangers, means for transmitting motion from the latter pinion to one of the aforesaid pinions, and means for manually propelling said latter pinion.

2. A device of the character described, employing a chair fixed to rigid suspenders or hangers rigidly held together and equipped with wheels or pulleys at their upper ends, said pulleys having their journals or shafts provided with pinions encompassed by an endless chain or belt and a pinion supported

or journaled upon one of said hangers and
encompassed by an endless chain or belt also
engaging one of the aforesaid pinions, said
hanger-supported pinion having its journal
5 also equipped with manually-actuated crank-
arms.

In testimony whereof we have signed our

names to this specification in the presence of
two subscribing witnesses.

GEORGE P. YEAKEL.

WHORTON C. L. IRELAND.

Witnesses:

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