

J. W. DAVIS.
LINEMAN'S CHAIR.
APPLICATION FILED MAR. 19, 1910.

973,633.

Patented Oct. 25, 1910.
2 SHEETS—SHEET 1.

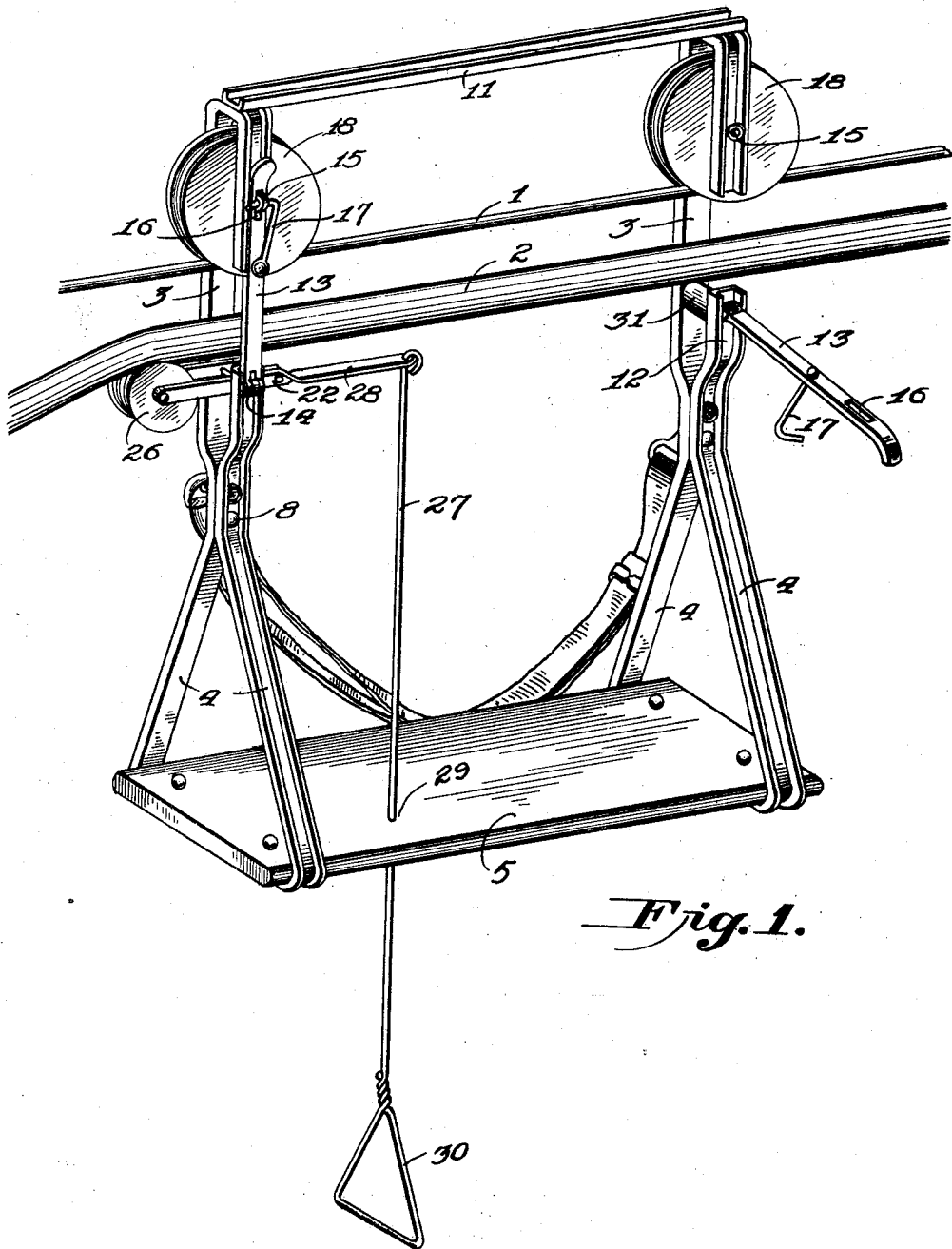


Fig. 1.

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Fig. 2.

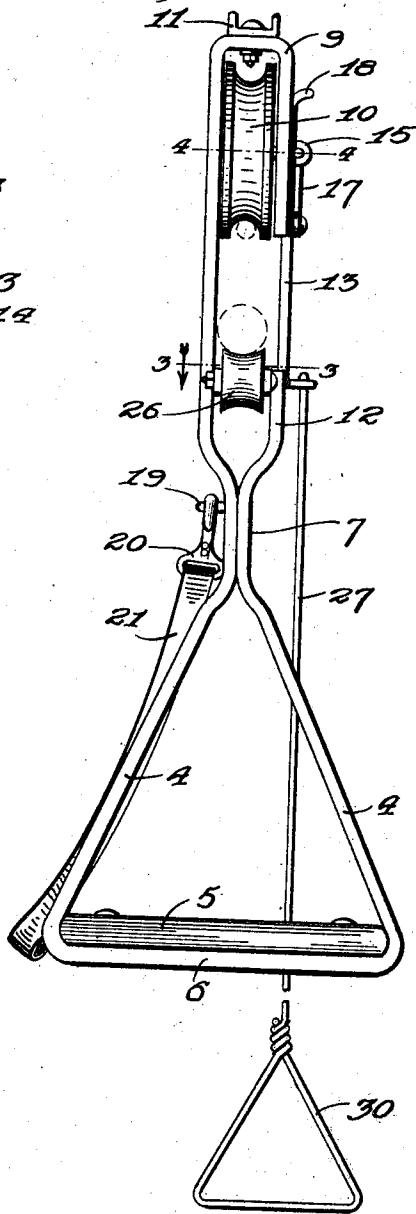


Fig. 3.

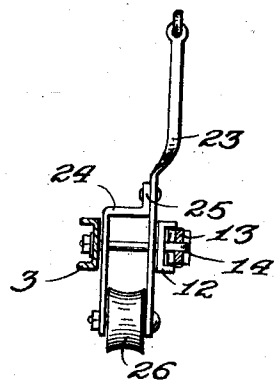
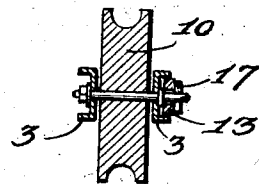


Fig. 4.



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UNITED STATES PATENT OFFICE.

JOHN W. DAVIS, OF SAN ANTONIO, TEXAS.

LINEMAN'S CHAIR.

973,633.

Specification of Letters Patent. Patented Oct. 25, 1910.

Application filed March 19, 1910. Serial No. 550,390.

To all whom it may concern:

Be it known that I, JOHN W. DAVIS, a citizen of the United States, residing at San Antonio, in the county of Bexar and State of Texas, have invented certain new and useful Improvements in Linemen's Chairs, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to improvements in linemen's chairs, and has for its object the production of a chair which can be used by a lineman when attaching cables to the supporting cable or line.

15 Another object of this invention is the provision of means for raising the cable by means of a foot lever so as to allow the operator to easily connect the cable to the supporting wire without having to raise the cable by hand.

20 Still another object of the present invention is the provision of means for facilitating the removal of the chair from the supporting cable and also for facilitating the chair to pass along the supporting cable without engaging any obstacles carried by the cable itself.

30 With these and other objects in view this invention consists of certain novel constructions, combinations, and arrangements of parts as will be hereinafter fully described and claimed.

In the drawings: Figure 1 is a perspective view of the chair shown supported by the supporting wire. Fig. 2 is an end view of the same. Fig. 3 is a section taken on line 3-3 of Fig. 2, looking in the direction of the arrow. Fig. 4 is a section taken on line 4-4, of Fig. 3.

40 Referring to the drawings by numerals, 1 designates the supporting cable below which is adapted to be supported the cable 2, which cable carries the telephone or other wires.

45 The chair *per se* comprises a framework which is preferably made of channel iron and the framework consists of a pair of end members 3 which are provided at their lower ends with loop-portions 4. Within the loop-portions 4 is secured a seat 5 which has each of its ends secured to the transversely extended portion 6 of the loop-portions 4 of the end frames 3. The loop-portions 4 are joined as at 7 by means of rivets 8, and each frame is also provided with an overhanging

portion 9 which supports a supporting roller 55 10. The upper ends of the frames 3 are connected by means of a channel iron 11.

The overhanging portion 9 of the frame 3 is spaced apart from the finger or extension 12 so as to allow the car to be easily removed 60 from the supporting cable 1. However, this opening or space is normally closed by means of a member 13 which is hingedly secured near the upper end of the finger or extension 12 as at 14. The overhanging portion 9 of the frame 3 is provided with an 65 eyelet or staple 15 and the hinged member 13 is provided with a slot 16 which is adapted to fit over the staple or eyelet 15. A hook 17 is carried by the hinged member 13 and 70 when the car is placed upon the line wire or supporting wire 1 the hinged member is thrown in a closed position, so that the eye 15 will pass through the aperture or slot 16 and the hook 17 is passed through the eye 75 15 so as to hold the hinged member 13 in a closed position. The hinged member 13 is provided near its upper end with an outwardly curved portion 18 which facilitates the removal of the hinged member 13 from 80 the eyelet 15 when it is so desired.

The end frames 3 carry near the upper end of the loop-portions 4 eyelets or hooks 19, which hooks are adapted to be engaged 85 by hooks 20, carried by the supporting or safety strap 21. The strap 21 is adapted to hold the operator, if it be so desired, upon the chair.

The lever member 22 is pivotally secured 90 between the finger 12 and one side of the supporting frame 3 as clearly shown in Fig. 1 and said lever member comprises a primary portion 23 and an auxiliary L-shaped portion 24. The auxiliary portion 24 is secured to the primary portion 23 at 25 and 95 the auxiliary portion is spaced apart at its outer end from the primary portion. A roller 26 is rotatably mounted between the outer ends of the primary portion 23 and the auxiliary portion 24 and is adapted to 100 engage the wire supporting cable 2 as clearly shown in Fig. 1 of the drawing. A rod 27 engages the inner end 28 of the primary portion 23 of the lever member 22 and passes through an aperture 29 formed in the side 105 of the chair. The rod 27 is provided at its lower end with a loop-portion 30 which may be engaged by the foot of the operator

to raise the wire supporting cable 2 to any desired position relative to the supporting cable 1. By having the roller 26 so engaging the cable 2 and operated in the manner previously described, it will be obvious that the operator will be free to use his hands to place the necessary connecting means around the supporting wire 1 and the cable supporting wire 2. Heretofore it has been necessary in many instances for the operator to hold the cable supporting wire in a certain position relative to the supporting wire proper, with one hand and place the necessary connecting means around the two wires or cables with the other hand.

A roller 31 is carried by the other supporting frame 3 and is supported between the finger 12 and one side of the supporting frame 3 in the same manner as the lever 22. The wire 31 is so positioned as to allow the car to easily travel over the cables 1 and 2, even though the cable 2 should sag and come into engagement with the roller 31.

What I claim is:—

1. A device of the class described, comprising a supporting frame, a seat carried thereby, a lever member carried by said supporting frame, and means carried by said lever member and adapted to be controlled by the foot of the operator for supporting or raising a wire supporting cable in a desired position relative to the lineman's cable or the cable adapted to support the lineman's chair.

2. In a device of the class described, the combination with a main supporting cable, and a wire supporting cable, of a lineman's chair comprising a framework, rollers carried by said framework and traveling upon said main or supporting cable, said wire supporting cable adapted to be suspended below said main or supporting cable, lever means carried by said framework and adapted to engage said wire supporting cable for raising the same to a desired height relative to the main supporting cable, and means engaging said lever member for allowing the free operation of the lever member by the operator.

3. In a device of the class described, the combination with a main supporting cable, and a wire supporting cable, of a lineman's chair adapted to be supported by said main supporting cable, means carried by said chair and adapted to engage said wire supporting cable for raising the same to a desired position relative to the main supporting cable.

4. A device of the class described, comprising a pair of end frames, said frames provided with lower looped-ends, a seat supported by said lower looped-ends of said supporting frames, rollers carried by the upper-ends of said frames and adapted to engage the supporting cable for suspending

the chair therefrom, and strengthening means engaging the top of said frames for connecting the same.

5. A device of the class described comprising a pair of end frames, a seat supported between the lower ends thereof, said frames provided with overhanging upper ends, connecting means engaging the upper ends of said frames, rollers supported by said overhanging ends of said frames, and roller means supported by said frames intermediate the said first-mentioned rollers and the loop-ports of said frames.

6. A device of the class described, comprising a pair of frames, a seat supported between said frames, the upper end of said frames provided with an overhanging portion, a roller positioned between said overhanging portion, and the main portion of said frame, a finger formed upon said frames and spaced apart from said overhanging portion thereby allowing the car to be easily removed or placed upon the supporting cable, and means hingedly secured to said finger and adapted to engage said overhanging portion for closing said opening and preventing the removal of the car from the supporting cable.

7. A device of the class described comprising a plurality of supporting frames provided with lower looped ends, a seat supported by said looped-ends and connecting the lower ends of said frames, each frame provided with an overhanging upper end provided with a depending portion, terminating short of the looped end of the frame, said frame provided with an upwardly extending finger terminating short of the depending portion of said overhanging end, a roller carried by said overhanging end, a hinged member carried by said upwardly extending finger, an eyelet carried by said depending member of said overhanging end, said hinged member provided with a slot adapted to pass over said eyelet, and a hook carried by said hinged member and adapted to pass through said eyelet for holding the hinged member in a locked position and closing the opening between said depending portion, and said upwardly extending finger of said frame.

8. A device of the class described, comprising a plurality of frames, rollers carried by the upper ends thereof, a seat carried by the lower ends of said frames, and rollers carried by said frames interposed between said seat and said first-mentioned rollers.

9. A lineman's chair of the class described, comprising a plurality of frames, a seat supported thereby, rollers carried by said frames and adapted to be supported by a supporting wire, a lever member carried by one of said frames and adapted to engage the wire supporting cable for supporting the same in a desired position relative to the

first-mentioned cable, and a rod engaging the outer end of said lever member passing through said seat and provided with a lower looped-end adapted to be engaged by the foot of the operator for raising and lowering the cable engaging end of said lever.

10. A lineman's chair of the class described comprising a frame, a seat supported thereby, rollers carried by said frame and adapted to travel upon the main supporting cable, a lever member pivotally mounted upon said frame, a roller carried by the outer end of said lever member and adapted to engage a wire supporting cable, said lever member provided with a rearwardly extending end, a rod secured thereto and passing through said seat, said rod provided with a lower end adapted to be engaged by the foot of the operator for raising the cable engaging end of said lever for supporting said wire supporting cable in a desired position relative to said first-mentioned cable.

11. A device of the class described com-

prising a frame, a seat supported thereby, a lever supported by said frame, rollers carried by said frame and adapted to be supported by a supporting cable, said lever member comprising a primary portion, and an auxiliary portion, said auxiliary portion engaging said primary portion at one end and being spaced apart from said primary portion at the other end, a roller rotatably mounted in said spaced apart ends, said primary portions provided with a rearwardly extending end, a rod engaging said rearwardly extending end and passing through said seat, and said rod provided with means adapted to be engaged by the foot of the operator for controlling said lever for raising and lowering the wire supporting cable relative to said first-mentioned cable.

In testimony whereof I hereunto affix my signature in presence of two witnesses.

JOHN W. DAVIS.

Witnesses:

FRANK O. BUSBY,

O. D. MUELLER.