No. 857,203. PATENTED JUNE 18, 1907.

C. RANDALL.

TELEPHONE LINEMAN'S GRAB SEAT.

APPLICATION FILED FEB. 21, 1907.

Fig. 1.

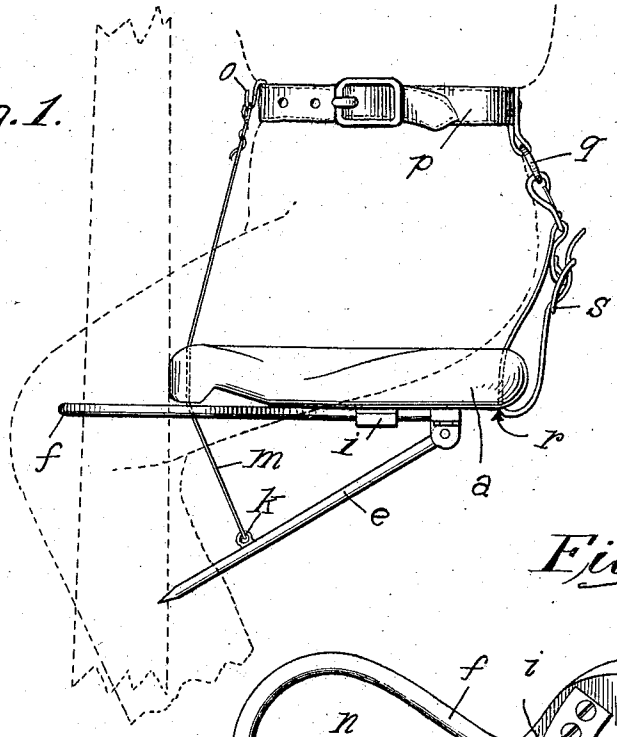


Fig. 2.

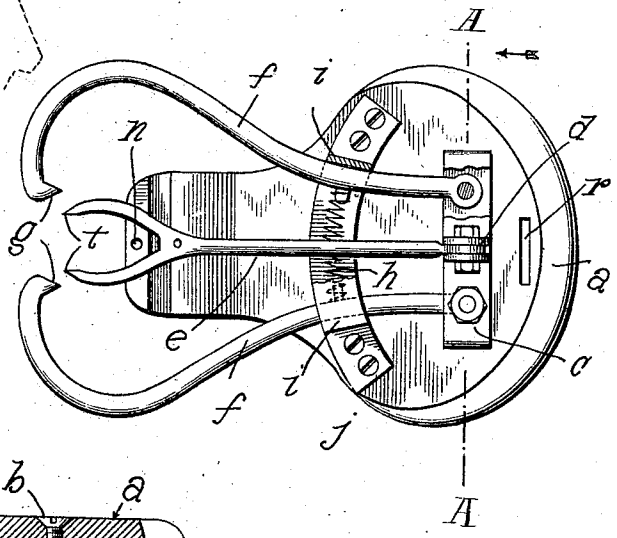
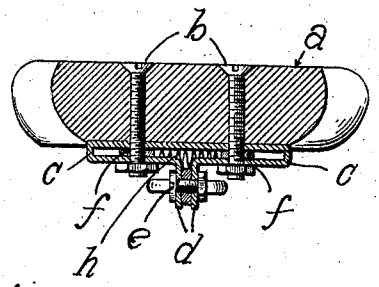


Fig. 3.



WITNESSES:
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UNITED STATES PATENT OFFICE.

CLAYTON RANDALL, OF MABEL, MINNESOTA.

TELEPHONE-LINEMAN'S GRAB-SEAT.

No. 857,203. Specification of Letters Patent. Patented June 18, 1907.

Application filed February 21, 1907. Serial No. 358,612.

To all whom it may concern:

Be it known that I, CLAYTON RANDALL, a citizen of the United States, residing at Mabel, in the county of Fillmore and State of Minnesota, have invented certain new and useful Improvements in Telephone-Linemen's Grab-Seats, of which the following is a specification, reference being had to the accompanying drawings.

My invention relates to improvements in portable seats for linemen, steeple-climbers and others whose work requires them to perform their tasks at the top of poles, flagstaffs and like places; and an object of my invention is to provide a seat which may be carried by the lineman to the top of the pole and placed by him securely in position there, and which will afford him a firm and stable support and give him the freedom of his hands and arms for his work, while relieving his legs from the greater part of the strain usually thrown upon them in maintaining him in position.

In the drawings illustrating the principle of my invention and the best mode now known to me of applying that principle, Figure 1 is a side view of the seat and its attached parts in position on the pole; Fig. 2 is a bottom plan view; and Fig. 3 is a sectional view on the line A—A of Fig. 2.

To the bottom of the seat *a* is secured by screw-bolts *b* a base-plate *c* formed with ears *d* between which is pivotally mounted the rear end of the vertically-swinging arm *e* the free front end of which is forked. Mounted free to rotate on each of the screw-bolts *b* is one of a pair of coöperating grab-arms *f* provided with rearwardly-extending claws *g*. The grab-arms *f* are held apart by the tension of a coil spring *h* and are free to swing in a horizontal plane. The limit of their outward travel is determined by the stops or sides *i* of the plate *j*.

Near the base of its fork the arm *e* is provided with an eye *k* to which is suitably secured one end of the cord *m* the other end of which is passed through a hole *n* formed in the front end of the seat *a* and is secured to a hook *o* carried by the waist-belt *p*. To the rear of the latter is suitably secured a tool-strap *q* one end of which is passed through the slot *r* and fastened to the buckle *s*.

In using the seat the lineman places it horizontally as shown in Fig. 1 and lets the forked arm *e* drop until it has assumed such an inclination that when he rests his weight upon the seat, the ends of the tines *t* will bite into the wood of the pole or flagstaff *u*. The front ends of the grab-arms *f* embrace the pole and the lineman presses them together against the tension of the coil spring *h* with his knees. The claws *g* are thus brought into such a position that when the lineman seats himself, they will be forced into the wood. When he has finished his work, the lineman releases the pressure of his knees and the claws *g* being disengaged from the wood of the pole, the spring *h* forces the grab-arms *f* apart, thus allowing the seat to fall toward the forked arm *e* which is now loosened from the pole.

I claim:

1. In a device of the character described, the combination of a seat formed with a hole; an arm having one end pivotally secured to said seat and the other end adapted to engage a pole; and a cord one end of which is attached to said arm and the other end of which is passed through said hole; said cord being free to move through said hole and serving to position said arm where the weight of the lineman will drive it into the pole.

2. In a device of the character described, the combination of a seat; a pair of arms pivotally secured to said seat and adapted to be engaged by the knees of the lineman; and a coil spring which normally holds said arms apart.

3. In a device of the character described, the combination of a seat; an arm pivotally secured to said seat and mounted free to swing in a plane at right angles to the plane of said seat; a pair of coöperating arms pivotally secured to said seat and mounted free to swing in a plane parallel to the plane of said seat; a coil spring which normally holds said pair of arms apart; and means under control of the lineman for positioning the first named arm.

In testimony whereof I have hereunto set my hand this 15th day of February, A. D. 1907, at said Mabel in the presence of the two undersigned witnesses.

CLAYTON RANDALL.

Witnesses:
H. H. HAMMER,
EFFIE HAMMER.