No. 770,205. PATENTED SEPT. 13, 1904.

A. O. WARREN.

DETACHABLE FOOT REST.

APPLICATION FILED JAN. 27, 1904.

NO MODEL.

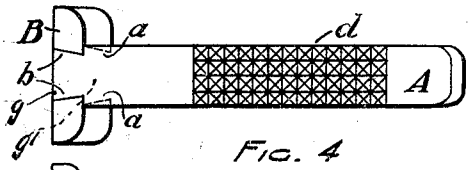


FIG. 4

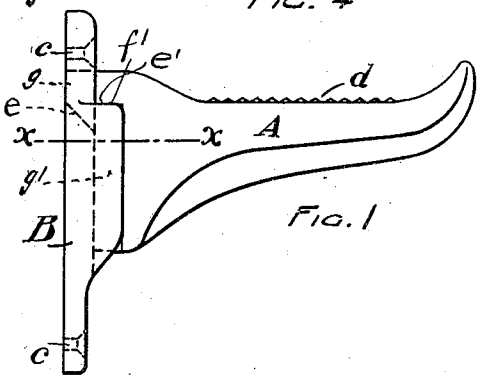


FIG. 1

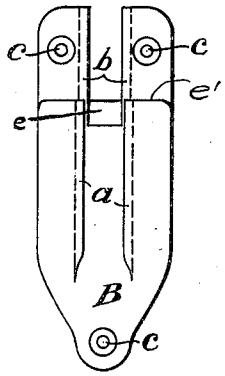


FIG. 2

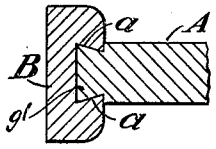


FIG. 5

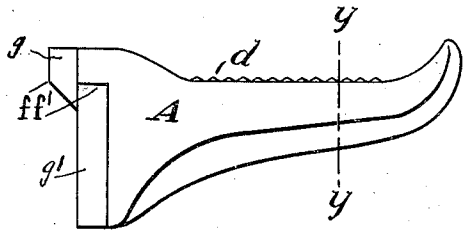


FIG. 3

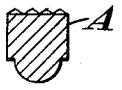


FIG. 6

WITNESSES

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No. 770,205. Patented September 13, 1904.

UNITED STATES PATENT OFFICE.

ALVIN O. WARREN, OF ALLENDALE, RHODE ISLAND.

DETACHABLE FOOT-REST.

SPECIFICATION forming part of Letters Patent No. 770,205, dated September 13, 1904.

Application filed January 27, 1904. Serial No. 190,886. (No model.)

To all whom it may concern:

Be it known that I, ALVIN O. WARREN, a citizen of the United States, residing at Allendale, in the county of Providence and State of Rhode Island, have invented a certain new and useful Improvement in Detachable Foot-Rests, of which the following is a specification.

The object of my invention is to provide an improved foot-rest for the use of linemen in climbing the wooden poles which support the line-wires; and it consists in the improved construction of the foot-rest and the base-plate by means of which it is connected to the pole.

In the accompanying drawings, Figure 1 represents a side view of the base-plate and the connected foot-rest. Fig. 2 represents a front view of the base-plate. Fig. 3 represents a side view of the foot-rest. Fig. 4 represents a top view of the foot-rest and base-plate. Fig. 5 represents a detail section taken in the line $x\ x$ of Fig. 1. Fig. 6 represents a section taken in the line $y\ y$ of Fig. 3.

In the drawings, A represents the foot-rest, and B the base-plate which is to be attached to the pole. The plate B is provided at its lower portion with the projecting dovetailed groove a and at the upper portion with the dovetailed groove b, which is recessed back from the lower dovetailed groove a, as shown in Figs. 2 and 4, and between the dovetailed grooves a and b is located the shoulder e.

The foot-rest A is provided with the dovetailed projections $g\ g'$, which serve to engage with the dovetailed grooves a and b of the base-plate, and thus firmly lock the parts together, and the employment of the two dovetailed grooves a and b in the base-plate serves to support and steady the inserted foot-rest. The downward movement of the foot-rest is limited by the shoulders f and f' of the foot-rest, which engage with the shoulders e and e' of the base-plate.

I claim as my invention—

1. The combination of the base-plate arranged to be permanently secured to a pole and provided with a double dovetailed groove, and the detachable foot-rest having an end arranged to enter and interlock with said dovetailed groove, the same serving as a lateral guide for the foot-rest, substantially as described.

2. The combination of the base-plate arranged to be permanently secured to a pole and provided with a double dovetailed groove, the foot-rest arranged with a double dovetailed end to interlock with said base-plate, substantially as described.

3. The combination of the base-plate having a projecting dovetailed groove and the recessed dovetailed groove, the shoulder between the two dovetailed grooves with the foot-rest engaging therewith, substantially as described.

ALVIN O. WARREN.

Witnesses:
ANNIE E. WARREN,
ANNIE M. THORPE.