

No. 829,336.

PATENTED AUG. 21, 1906.

J. H. HAYCOCK.

POLE STEP.

APPLICATION FILED JAN. 25, 1906.

Fig. 1.

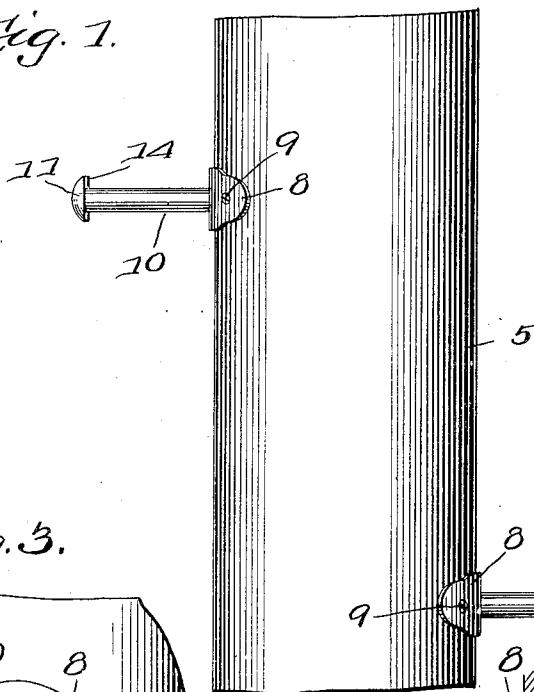


Fig. 3.

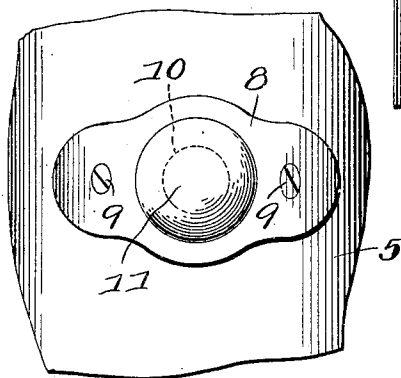


Fig. 2.

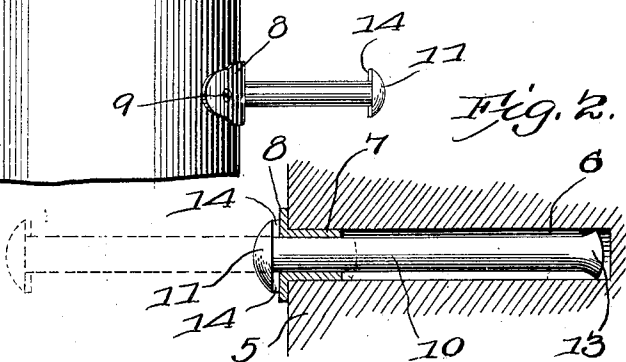
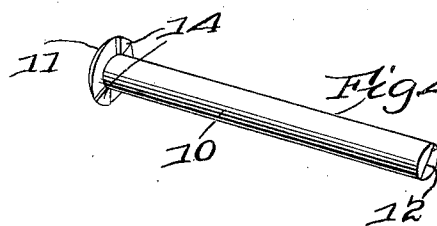


Fig. 4.



WITNESSES:

E. J. Stewart
L. S. Acker

Jesse H. Haycock,
INVENTOR.

By *C. A. Snow & Co.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

JESSE H. HAYCOCK, OF CHERRYFIELD, MAINE.

POLE-STEP.

No. 829,336.

Specification of Letters Patent.

Patented Aug. 21, 1906.

Application filed January 25, 1906. Serial No. 297,865.

To all whom it may concern:

Be it known that I, JESSE H. HAYCOCK, a citizen of the United States, residing at Cherryfield, in the county of Washington and State of Maine, have invented a new and useful Pole-Step, of which the following is a specification.

This invention relates to steps for telegraph-poles and the like, and has for its object to provide a simple, inexpensive, and efficient device of this character to assist linemen and other persons in ascending or descending the pole.

A further object of the invention is to provide a step one end of which is seated in a socket or recess in the pole and the opposite end thereof provided with a terminal head, by means of which the step may be moved to operative and inoperative positions.

A still further object is to form the head of the step with oppositely-disposed lugs adapted to space said head from the adjacent surface of the pole when the step is in inoperative position, so as to permit the latter to be conveniently grasped and withdrawn from the socket.

With these and other objects in view the invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, and illustrated in the drawings, it being understood that various changes in form, proportions, and minor details of construction may be resorted to within the scope of the appended claims.

In the accompanying drawings, forming a part of this specification, Figure 1 is a side elevation of a portion of a telegraph-pole, showing my improved step in position thereon. Fig. 2 is a longitudinal sectional view. Fig. 3 is a front elevation. Fig. 4 is a perspective view of one of the steps detached.

Similar numerals of reference indicate corresponding parts in all the figures of the drawings.

The improved step is particularly designed for use in connection with telegraph and telephone poles to assist linemen to ascend and descend the same, and in Fig. 1 of the drawings there is illustrated a portion of a pole of ordinary construction, having its opposite side walls provided with inwardly-extending recesses or sockets 6, preferably disposed in staggered relation, as shown. Seated in each of the sockets or recesses 6 is a collar or sleeve 7, provided with a terminal plate or flange 8, preferably curved to be conformed

to the adjacent wall of the pole and secured thereto in any suitable manner, as by screws or similar fastening devices 9.

The improved step consists of a pin or rod 10, one end of which is seated within the socket 6, while the opposite end thereof extends through the sleeve 7 and is provided with a terminal head or finger piece 11, by means of which the pin may be conveniently withdrawn from the socket when it is desired to use the same. The pin 9 is free to slide longitudinally within the sleeve 7, and the inner end of the pin is split transversely at 12 to form an enlargement 13, which engages the free end of the sleeve and serves to prevent accidental displacement of the pin when the latter is moved to operative position.

Secured to or formed integral with the head of the pin are one or more lugs 14, which serve to limit the inward movement of the pin and also serve to space the head of the latter from the plate 7, whereby the pin may be conveniently withdrawn from the socket. In ascending the pole the lineman withdraws the pins or steps one at a time and in descending moves the same laterally to inoperative position within the sockets.

The improved steps may be positioned either at the base of the pole to assist the lineman in reaching the stationary or permanent steps or spikes usually employed on poles of this character or may be placed at spaced intervals throughout the entire length of the pole. By having the steps or pins slidably mounted on the pole in the manner described they may be quickly moved to inoperative position within the sockets or housings, so as to protect the same from the action of the elements.

From the foregoing description it will be seen that there is provided a strong, durable, and inexpensive step admirably adapted for the attainment of the ends in view.

Having thus described the invention, what is claimed is—

1. The combination with a support having a recess formed in the walls thereof, of a pin slidably mounted within the recess and movable laterally to operative position beyond said walls, said pin being provided with a terminal head having a lug projecting therefrom for spacing the head from the support when the pin is moved to inoperative position within the recess.

2. The combination with a support having

a recess formed in the walls thereof, of a sleeve seated within the recess and provided with a laterally-extending flange for engagement with the support, and a pin slidably
5 mounted in the sleeve and provided with a terminal head having lugs projecting therefrom for engagement with the flange, said pin being movable laterally to operative position beyond the walls of the support.

10 3. The combination with a support having a recess formed in the walls thereof, of a sleeve seated within the recess and provided with a laterally-extending flange for engagement with the support, a pin slidably mount-

ed in the sleeve and having one end thereof 15 provided with a terminal head and its opposite end split transversely to form an enlargement, said pin being movable laterally to operative position beyond the walls of the support. 20

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

JESSE H. HAYCOCK.

Witnesses:

L. C. HAYCOCK,
A. S. ALLEN.