Nov. 3, 1925. 1,559,842

L. M. BOLLINGER

TEMPORARY POLE STEP DEVICE

Filed Sept. 17, 1924

Fig. 1.

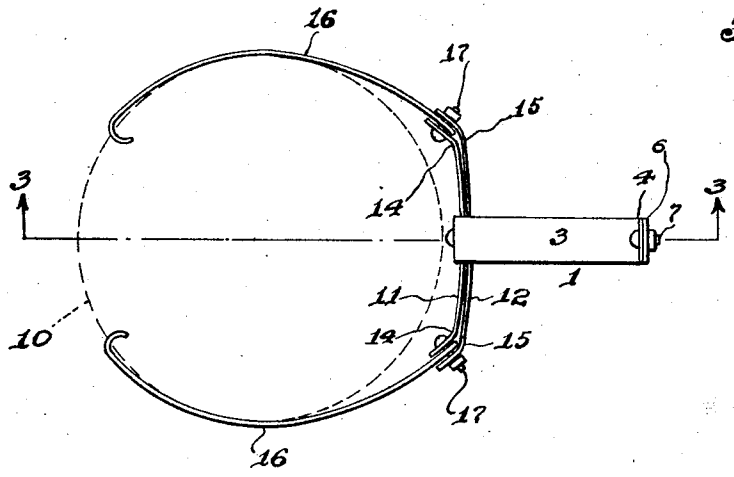
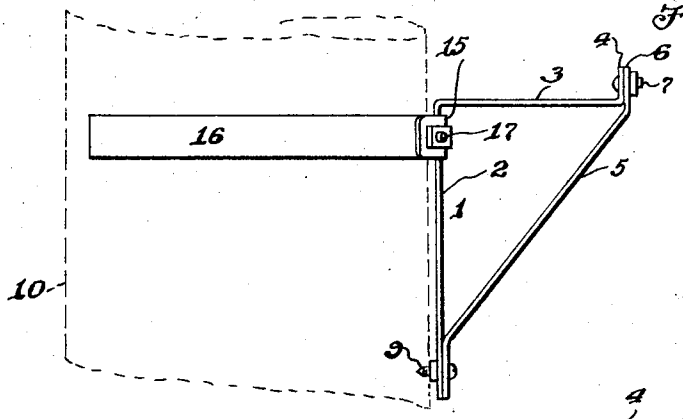


Fig. 2.



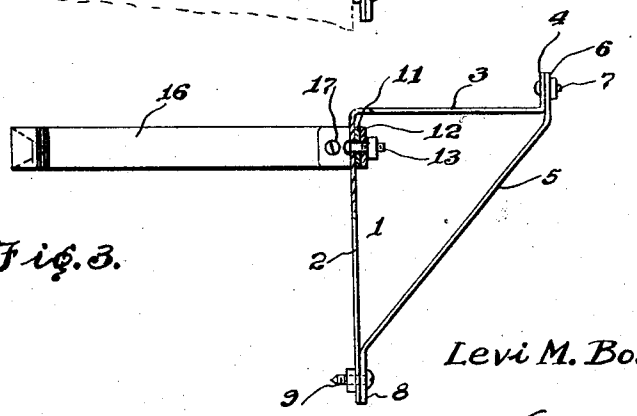


Fig. 3.

Inventor

Levi M. Bollinger

By E. C. Wooman & Co.,

His Attorneys

Patented Nov. 3, 1925. 1,559,842

UNITED STATES PATENT OFFICE.

LEVI M. BOLLINGER, OF BUNKER HILL, KANSAS.

TEMPORARY POLE-STEP DEVICE.

Application filed September 17, 1924. Serial No. 738,310.

To all whom it may concern:

Be it known that I, LEVI M. BOLLINGER, a citizen of the United States, residing at Bunker Hill, in the county of Russell and State of Kansas, have invented certain new and useful Improvements in Temporary Pole-Step Devices, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to a temporary pole step device, and has for its object the construction of a simple and efficient step device which can be quickly attached to a pole, or detached therefrom.

With the foregoing and other objects in view, my invention comprises certain novel combinations, constructions and arrangements of parts as will be hereinafter described, illustrated in the accompanying drawings, and more particularly pointed out in the appended claims.

In the drawings:

Figure 1 is a top plan view of a device constructed in accordance with the present invention, while

Figure 2 is a view, in side elevation, of the same.

Figure 3 is a sectional view, taken on line 3—3, Figure 1, and looking in direction of the arrows.

Referring to the drawings by numerals, 1 designates the foot rest, which comprises the vertical portion 2, terminating at its upper end in a foot engaging portion 3 having at its outer end a vertical stop 4. A brace 5 has its upper end 6 flat against the outer face of stop 4, and a bolt 7 extends through stop 4 and end 6, securing same together. The lower end 8, of brace 5, rests flat against the lower end of portion 2, with pointed-end bolt 9 extending therethrough; this pointed bolt 9 performs two functions, to-wit: First, it fastens the lower ends of portion 2 and brace 5 together, and, second, it penetrates the pole 10, assisting in securing the device to said pole.

Pivot plates or strips 11 and 12 are placed against vertical portion 2 of the foot rest 1, and bolt 13 fastens said parts together. At 14 and 15 the plates 11 and 12, respectively, are bent outwardly, spacing the ends of said plates apart, and between these spaced ends are placed the inner ends of hooks 16. Bolts 17 extend through the spaced ends of said plates 11 and 12 and also through the inner ends of said hooks 16; these parts acting as a pivot. The outer ends of hooks 16 are pointed to allow same to readily penetrate or enter pole 10.

When applying my device to a pole or post, all that is necessary is to place the hooks 16 partly around the pole, allowing their pointed ends to enter the pole, as well as the pointed end of bolt 9. The device can be quickly detached from a pole.

While I have described the preferred embodiment of my invention, and have illustrated the same in the accompanying drawings, certain minor changes or alterations may appear to one skilled in the art to which this invention relates, during the extensive manufacture of the same and I, therefore, reserve the right to make such alterations or changes as shall fairly fall within the scope of the appended claims.

What I claim is:

1. In a pole step, a strip bent to provide a foot engaging portion and a shank extending downwardly from the inner end thereof, a diagonal brace, fasteners connecting the ends of said brace with the outer end of said foot engaging portion and lower end of said shank, the lower fastener being extended and having a pointed end forming a tooth for biting into a pole, cross strips extending in cross relation to the upper end portion of said shank and pivotally connected therewith, the end portions of said cross strips being bent outwardly, and strips pivotally mounted between the end portions of said cross strips and curved longitudinally to embrace a pole and having their free end portions bent inwardly and terminating in pole penetrating points.

2. In a structure of the character described, a foot support having a depending shank at its inner end and a diagonal brace between its outer end and the lower end of said shank, a pole penetrating prong being provided at the lower end of said shank, a cross bar extending across the upper end portion of said shank and having its intermediate portion pivotally connected with the shank, and pole embracing arms pivotally connected with the end portions of said cross bar and extending from the same in a direction opposite to said foot rest and having their free end portions turned inwardly and terminating in pole penetrating spurs.

In testimony whereof I hereunto affix my signature.

LEVI M. BOLLINGER.