April 23, 1929. E. L. BYLES 1,710,293

ADJUSTABLE STEP FOR STILTS

Filed Jan. 16, 1928

Fig. 1.

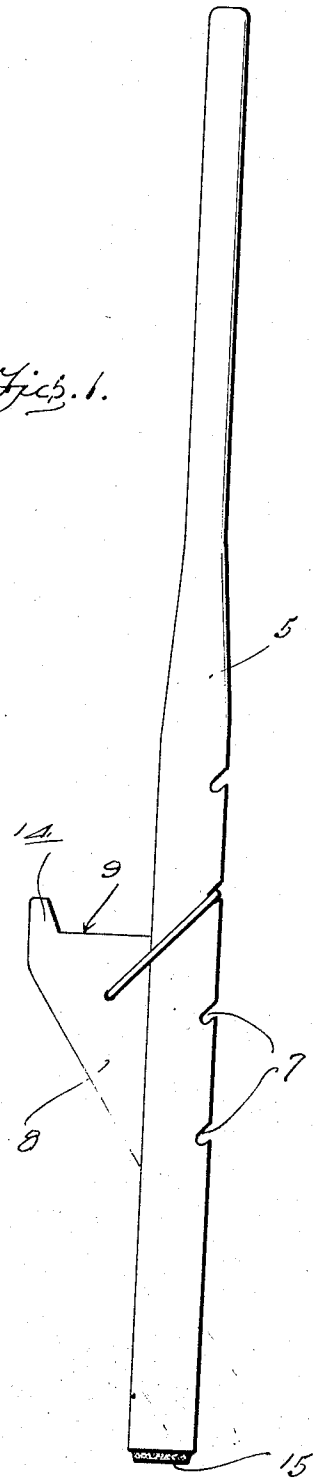


Fig. 2.

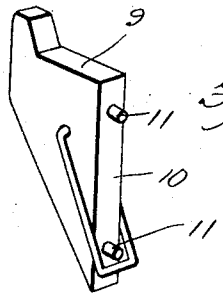


Fig. 4.

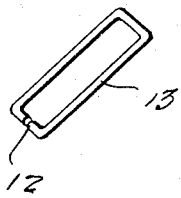
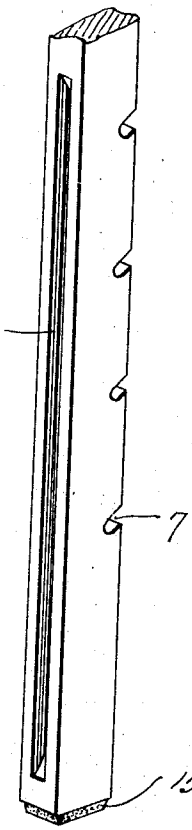


Fig. 3.



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Patented Apr. 23, 1929. 1,710,293

UNITED STATES PATENT OFFICE.

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ADJUSTABLE STEP FOR STILTS.

Application filed January 16, 1928. Serial No. 246,994.

The present invention relates to stilts and has for its primary object to provide an adjustable step for the stilts adapted to be moved vertically and secured in adjusted position on the stilt.

A further object of the invention is to enable the step to be disassembled from the stilt, when desired, so as to permit the packing and shipping of the device in a more compact manner.

A further object of the invention is to provide a construction which is strong and durable, in which provision is made for easily and quickly adjusting the same without necessitating the use of any tool, which is inexpensive to manufacture and otherwise well adapted to the purpose for which the same is intended.

Other objects and advantages reside in the special construction and combination of the various elements comprising the invention, reference being had to the accompanying drawings forming a part hereof, wherein:

Figure 1 is an elevational view of the stilt showing the step secured in one of its adjusted positions,

Figure 2 is a perspective view of the step detached from the stilt,

Figure 3 is a fragmentary perspective view of the bottom portion of the stilt and

Figure 4 is a perspective view of the step attaching member.

Referring to the drawings in detail, the invention comprises a stilt member 5 formed of a post of suitable material and preferably having its lower portion angularly formed in cross section. Extending longitudinally in one portion of the lower portion of the stilt is a groove 6, whereas along the opposite face thereof is formed a plurality of notches 7 inclined in slightly downward direction.

The step 8 is provided for attachment to the stilt comprising a block having one edge disposed horizontally and constituting the step portion of the step as indicated at 9, said step also having a vertical edge 10 formed at right angles to the step portion 9 and adapted to be positioned against the face of the stilt provided with the groove 6. A plurality of dowel pins 11 extend laterally from the vertical edge 10 of the step and arranged to seat within the groove 6 for guiding the step vertically along the face thereof.

The front and rear faces of the step have an opening formed therein adapted to receive the inwardly extending ends 12 of an attaching member 13, said attaching member 13 being formed of a spring steel rod of relatively small diameter shaped similar to the cross sectional contour of the stilt 5 so as to extend entirely around the sides thereof.

It will be observed from an inspection of Figure 1 however that the sides of the attaching member are somewhat longer than the width of the stilt from its edges provided with the groove 6 and notches 7. This added length to the attaching member permits the step 8 to be hung directly below the notch within which the closed end of the attaching member is seated. This construction permits the ready adjustment of the step by merely raising the same to a horizontal plane in which the closed end of the attaching member is seated whereupon the same end may be removed from its notch and step adjusted along its stilt for engagement with an upper or lower notch. By providing a construction of this character no tools are required in order to make the necessary adjustment in the step.

The outer upper edge of the step is formed with a shoulder 14 to prevent the slipping of the foot from the horizontal step portion 9 thereof. The bottom of the stilt may also be provided with a rubber pad 15 constituting an anti-skid means for the stilt. It is apparent that the device may be easily and quickly assembled and disassembled when desired merely by snapping the inturned end 12 of the attaching member from their respective openings in the step which enables the parts to be entirely separated from each other and stored or packed for shipping purposes in a neat and compact manner.

It is obvious that the invention is susceptible of various changes and modifications, without departing from the spirit or scope of the invention or sacrificing any of its advantages, and I accordingly claim all such forms of the device to which I am entitled.

Having thus described my invention, what I claim as new is:

1. In a device of the class described comprising a stilt having a longitudinally extending groove formed along one edge thereof and a plurality of notches formed in an opposite edge, a step member having a projection extending therefrom adapted to slidably seat within said groove and an attaching member extending about the stilt with one end secured to the step and its opposite end selectively seated in said notches.

2. In a device of the class described comprising a stilt having a groove extending longitudinally along one edge thereof and a plurality of notches inclined downwardly formed in its opposite edge, a step member having a plurality of dowel pins extending laterally therefrom adapted for slidably seating in said groove and an attaching member for the step comprising a spring rod shaped in conformity with the cross sectional contour of the stilt and arranged thereabout with its ends extending toward each other and releasably attached to the step, the opposite section of the rod being adapted for selectively seating in said notches.

In testimony whereof I affix my signature.

ELWOOD LEROY BYLES.