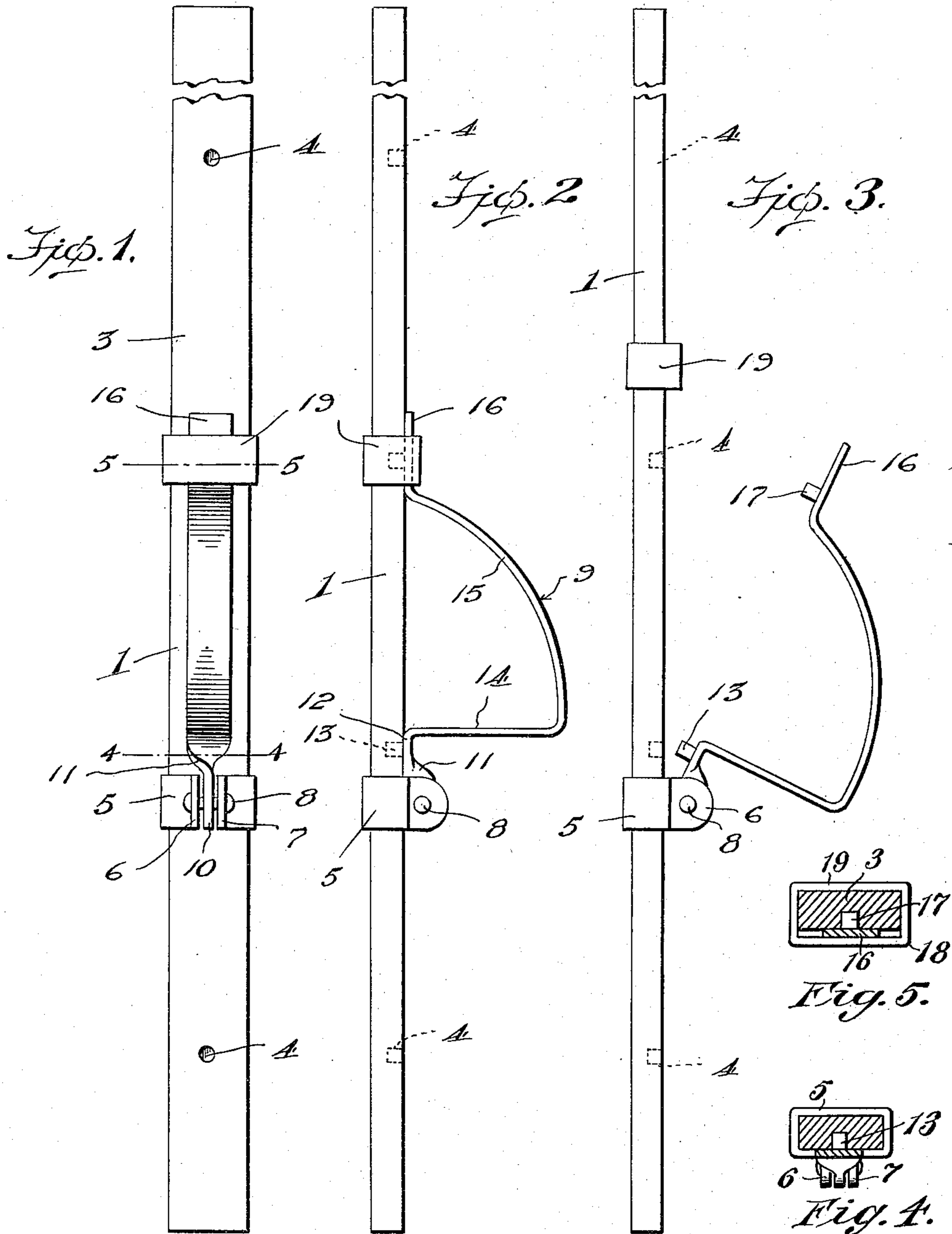


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STILT.  
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1,167,235.

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Witnesses  
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# UNITED STATES PATENT OFFICE.

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STILT.

1,167,235.

Specification of Letters Patent.

Patented Jan. 4, 1916.

Application filed December 14, 1914. Serial No. 877,188.

*To all whom it may concern:*

Be it known that I, CLARENCE A. WETZELL, a citizen of the United States, residing at Sterling, in the county of Whiteside and State of Illinois, have invented certain new and useful Improvements in Stilts; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to new and useful improvements in stilts and has for its principal object to provide a stilt which is readily adjustable so that the user may raise or lower the support in order that he may attain different heights.

Another object of the invention is to provide a strong, simple and durable stirrup which may be easily and quickly locked in place thereby eliminating any danger to the user.

Still another object of the invention is to provide a novel locking means for the steps which is particularly strong and durable and capable of standing rough handling without becoming inoperative.

With these and other objects in view, the invention consists in the novel combination and arrangement of parts which will be fully set forth in the following specification and accompanying drawings, in which,

Figure 1 is an inside view of one of the stilts, Fig. 2 is an edge view of Fig. 1, Fig. 3 is a view similar to Fig. 2 showing the stirrup in position to be adjusted, Fig. 4 is a horizontal sectional view taken on line 4—4 of Fig. 1, Fig. 5 is a horizontal section view taken on line 5—5 of Fig. 1.

Referring now to the drawings by characters of reference, the numeral 1 designates as an entirety a stilt which comprises the elongated strip 3 which is provided at spaced intervals with the openings 4. These openings extend partially into the inner face of the body 3 and are designed to receive the locking lugs which will be more fully hereinafter described.

Slidable on the body 3 is the rectangular sleeve 5 which carries a pair of spaced ears 6 and 7 through which a pair of alining apertures are formed which apertures are designed to receive the rivet 8 which forms a pivot pin for the stirrup designated generally by the numeral 9.

The stirrup 9 hereinbefore referred to

comprises the ear 10 which is arranged to be pivotally supported on the rivet 8 and this ear is extended upwardly and twisted as at 11 so that the portion 12 of the stirrup lies in a plane parallel to the inner face of the body 3. This portion 12 has secured thereto the lug 13 which is designed to enter one of the apertures 4 in the body 3 to form a support for the horizontally extending portion 14 of the stirrup. This horizontally extending portion is formed at the upper terminal of the portion 12 and is provided at its opposite end with the upwardly and inwardly curved portion 15 which terminates at its upper end in the vertically extending portion 16 which lies in parallel relation to the portion 12 and carries the lug 17 which lug coöperates with the lug 13 in forming a support for the stirrup. The lug 17 is designed to enter one of the apertures which is spaced above the aperture in which the lug 13 extends and it will thus be seen that a rigid support is provided for the stirrup which will effectively prevent the same from sagging or otherwise endangering the person of the user.

In order to lock the stirrup against any movement there is provided the slidable locking sleeve designated generally by the numeral 18 which is formed of a rectangular hollow body 19 which is clearly illustrated in Fig. 1. This sleeve 18 is slidably mounted on the body 3 and is arranged to overlie the portion 16 of the stirrup to prevent the same from swinging outwardly on the pivot 8 hereinbefore referred to.

It will be apparent that in use when it is desired to raise or lower the stirrup the sleeve 18 is slid upwardly so as to disengage the portion 16 and it will thus be seen that the stirrup may be swung outwardly and slid to the desired position by adjusting the sleeve 5 and after the user has reached the proper adjustment the stirrup is then swung inwardly so that the lug 13 and lug 17 will enter their respective apertures 4 whereupon the sleeve 18 is slid downwardly so that it overlies the portion 16 as illustrated in Figs. 1, 2 and 5.

It will thus be seen that a particularly simple and efficient stilt and stirrup adjusting means is provided which will effectively prevent accidents and remove much of the danger encountered in using stilts.

While in the foregoing there has been shown and described the preferred embodi-

ment of this invention, it is to be understood that such changes may be made in the combination and arrangement of parts as will fall within the spirit and scope of the appended claims.

What is claimed is:—

1. A stilt of the character described comprising an elongated rectangular body, said body being provided with a plurality of spaced depressions, a sleeve slidable on the body, an ear pivoted to the sleeve, a horizontal supporting portion formed on the ear and extending outwardly therefrom, an inwardly and upwardly curved portion extending upwardly from the end of the horizontal supporting portion, a vertical parallel extension formed at the upper end of the inwardly curved portion, said parallel extension being in a plane with the ear, a lug carried by the ear and by the parallel portion, the lug on each being arranged to enter the depressions in the body, and a sleeve slidable on the body and arranged to surround the body and the vertical extension to lock the stirrup in its outward movement.

2. A stilt of the character described comprising a body, said body being provided with a plurality of spaced depressions, a sleeve slidable on the body, a horizontal supporting portion pivoted on the sleeve, a lug carried thereby arranged to enter one of the

depressions in the body, a guard member extending upwardly and inwardly from the horizontal supporting portion, a lug at the upper end of the guard member arranged to enter the depression immediately above the first mentioned depression and a sleeve surrounding the end of the guard member to hold the lug carried thereby in its depression.

3. A stilt of the character described comprising a body, said body being provided with a plurality of spaced depressions, a sleeve slidable on the body, an ear on the sleeve, the horizontal supporting portion secured to the ear, a lug on the supporting portion arranged to engage in one of the depressions, an upwardly extending inwardly curved guard member formed at the free end of the horizontal supporting portion, an upturned portion at the upper end of the guard member, a lug carried by the upturned portion and a sleeve slidable on the body to engage the upwardly extending portion and hold the lug in the depression immediately above the first mentioned depression.

In testimony whereof I affix my signature in presence of two witnesses.

CLARENCE A. WETZELL.

Witnesses:

FRED A. ROBINSON,  
SAML. WETZELL.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."