C. A. SHERMAN.

CRUTCH.

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1,383,156.

Patented June 28, 1921.

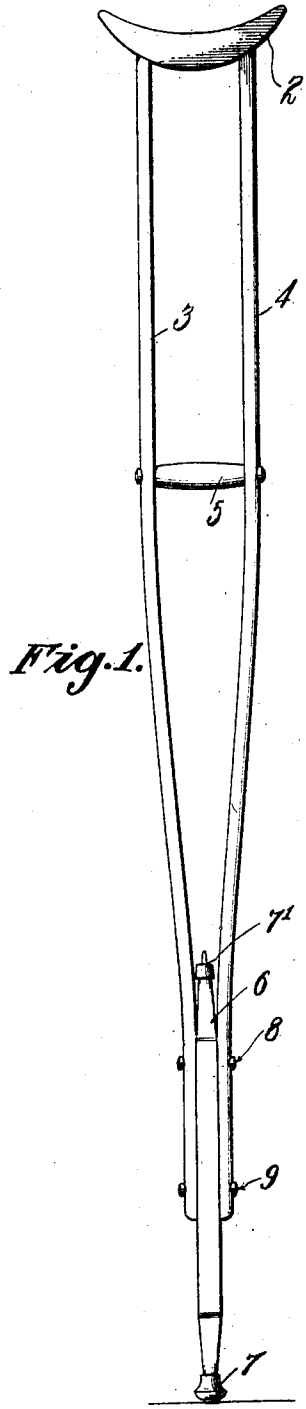


Fig. 1.

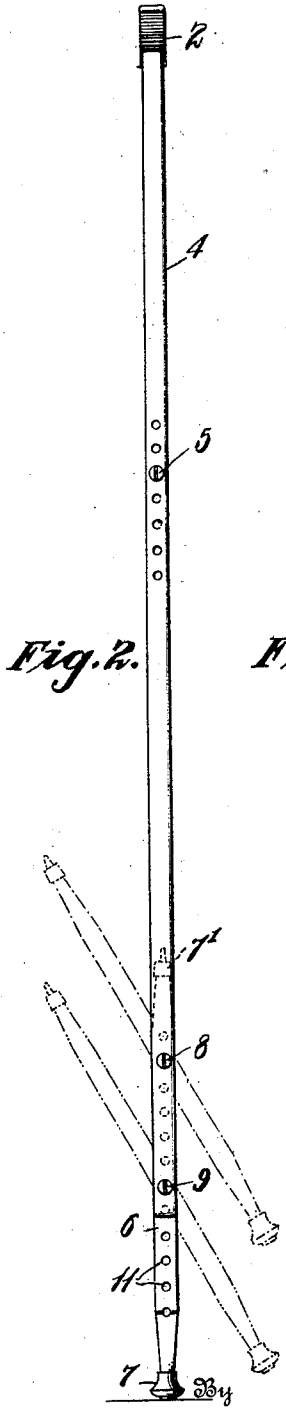


Fig. 2.

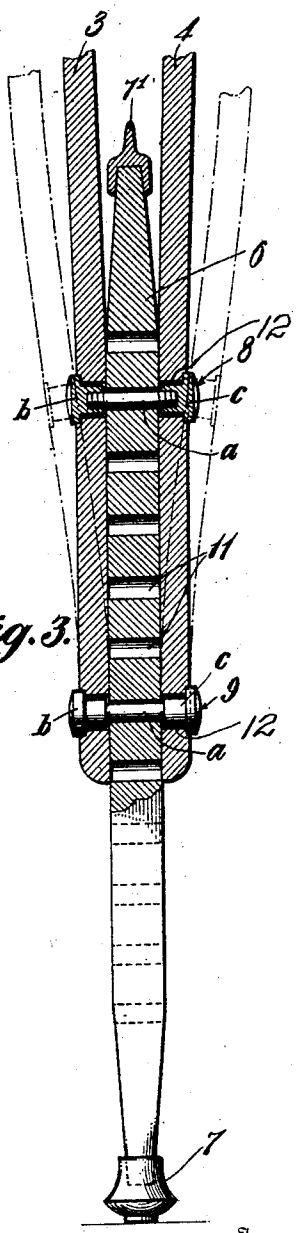


Fig. 3.

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UNITED STATES PATENT OFFICE.

CLEVELAND A. SHERMAN, OF ALAMOSA, COLORADO.

CRUTCH.

1,383,156. Specification of Letters Patent. Patented June 28, 1921.

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To all whom it may concern:

Be it known that I, CLEVELAND A. SHERMAN, a citizen of the United States, resident of Alamosa, in the county of Alamosa and State of Colorado, have made a certain new useful Invention in Crutches; and I declare the following to be a full, clear, and exact description of the same, such as will enable others skilled in the art to which it appertains to make and use the invention, reference being had to the accompanying drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

The invention has relation to crutches, having a vertically adjustable and pivotally reversible leg, the object being to provide certain improvements therein, as will hereinafter appear.

The invention consists in the novel construction and combinations of parts, as hereinafter set forth.

In the accompanying drawings illustrating the invention, Figure 1 is a side view of the invention; Fig. 2 is an edge view of the same showing the leg as adjusted pivotally in dotted lines, and Fig. 3 is an enlarged detail side view, partly in section, of the lower part of the crutch, the side pieces being shown as moved outwardly in dotted lines.

In these drawings, the numeral 2 designates the saddle, mounted upon two side pieces 3 and 4, and between the latter is adjustably secured a handle 5. A leg 6 is also adjustably secured between the side pieces at the lower portions thereof by means of devices 8 and 9.

On each end of the leg is provided a suitable tip, one as shown being a rubber tip 7, and the other a spike 7′.

The devices 8 and 9 consist each of a bolt *a*, screw threaded at each end to engage nuts *b* and *c*. The side pieces 3 and 4 are perforated at 12, to receive the nuts *b* and *c*, the perforations being respectively of a diameter greater than that of the bolt *a*.

The leg 6 is provided with a series of perforations 11, spaced equally apart, the perforations 12 of the side pieces 3 and 4, being spaced apart in each side piece a distance equal to a multiple of the distance separating adjacent of the perforations 11 of the leg.

The side pieces 3 and 4, through inherent resiliency, are adapted upon the removal of the upper of the bolts *a*, to spring outwardly as shown in dotted lines in Fig. 3, whereby the leg 6 has greater freedom of movement when reversed by pivotal movement upon the lower bolt as a center, the upper bolt being reëngaged with the alined perforations of the side pieces and of the leg, when the reversal of the leg is complete. The larger perforations of the side pieces serve as a guide to facilitate the engagement of the bolts with the alined perforations of the side pieces and of the leg. The nuts *b* and *c* engaging the large perforations of the side pieces, project only slightly beyond the side pieces, and a similar and neat appearance is given to both sides or edges of the crutch. In the elastic outward movement of the side pieces, as shown in Fig. 3, in dotted lines, the perforations of the same will remain in alinement with the smaller perforations of the leg, owing to the greater diameter of the former perforations.

What I claim is:

In a crutch, side pieces having large perforations, a vertically adjustable and reversible leg between said side pieces and having small perforations, upper and lower bolts engaging selected perforations of said leg and of said side pieces and having threaded ends, nuts engaging the related perforations of the side pieces and the ends of said bolts, said nuts and said bolts being removable and engageable with other selected perforations of said leg and said side pieces in the adjustment of the leg vertically, said side pieces upon removal of the upper bolt having movement outward through inherent resiliency upon the lower bolt as a center and thereby facilitating the reversal of the leg pivotally upon the lower bolt as a center, and the large perforations of the side pieces serving as a guide in the engagement of the bolt with the small perforations of the leg.

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

CLEVELAND A. SHERMAN.

Witnesses:
JOHN R. CAMY,
FRANK D. MOODY.