April 9, 1929. L. PETERSEN 1,708,030

STILT

Filed May 2, 1927

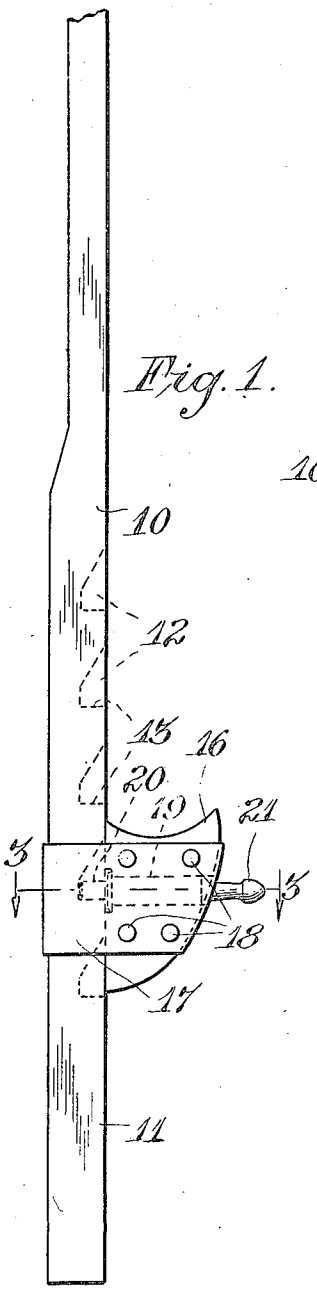


Fig. 1.

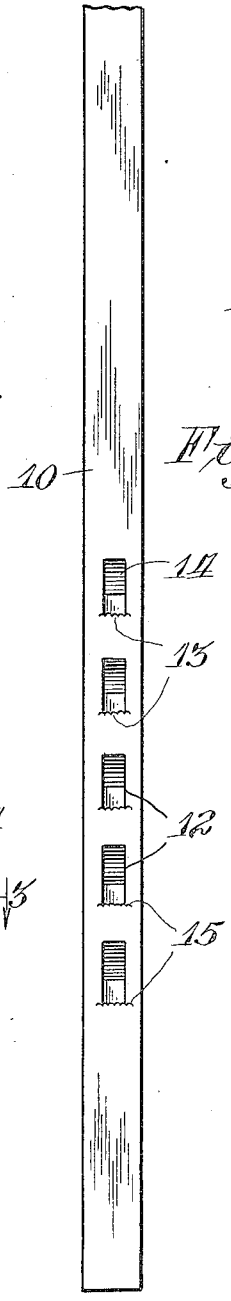


Fig. 2.

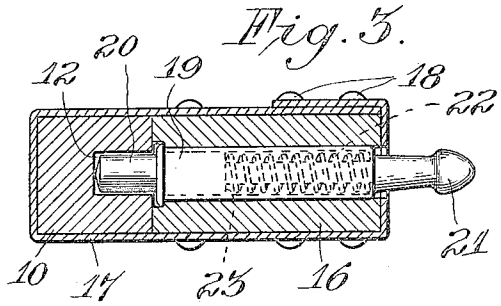


Fig. 3.

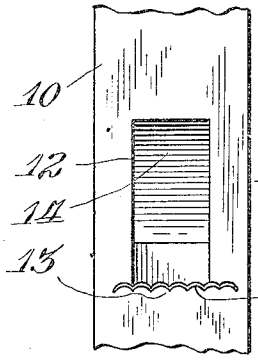


Fig. 4.

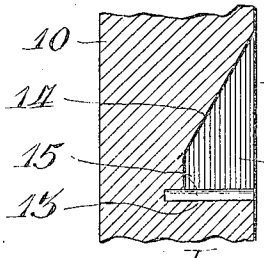


Fig. 5.

Inventor.
Ludwig Petersen,
By Paul O. Pippel
Atty.

Patented Apr. 9, 1929. 1,708,030

UNITED STATES PATENT OFFICE.

LUDWIG PETERSEN, OF CHICAGO, ILLINOIS.

STILT.

Application filed May 2, 1927. Serial No. 188,136.

This invention relates to improvements in stilts.

In this art, it is desirable that stilts be of simple, sturdy construction; that they be readily adjustable; and, neat in appearance.

The objects of this invention are to achieve these desirable features.

Briefly, the improved stilt of this invention comprises a main stilt member having at its lower end a series of spaced notches. A foot piece is slidably and detachably supported on the main member and is adapted to be made adjustably fast in any selected notch by a novel resilient lock means. Each notch is of special sturdy construction, as will later appear.

In the drawings, showing an illustrative embodiment of the invention:

Figure 1 is a side elevational view of the improved stilt;

Figure 2 is a face view of the main support;

Figure 3 is horizontal, vertical, sectional view along the line 3—3 of Figure 1, looking downwardly.

Figure 4 is an enlarged, face detail view of one of the notches in the main support; and

Figure 5 is a vertical, central, sectional view through the structure shown in Figure 4.

Looking now to the sheet of drawings showing an illustrative embodiment of the improved stilt invention, it will be seen that the same embodies a main stilt part or support 10, which part may be a wood piece generally rectangular in cross section having a groundward portion 11 of increased cross sectional area, as shown in Figure 1. A face of this groundward part 11 is provided with a series of spaced notches 12 having a horizontal bottom 13 and an upwardly sloped inner wall 14. The bottom is reinforced with a sheet metal liner plate 15 which in practice may be corrugated and crimped into the support, as shown. The purpose of this reinforcing plate will later be made clear.

A foot rest block 16 is slidably carried on the support piece 10 by means of a metal band 17 which embraces the support and block. The band may be secured to the block by any means such as the nails 18. Transversely arranged in a bore in the block is a sleeve 19 (see Figure 3) slidably carrying a plunger bolt 20, engageable at one end with any selected notch 12 as shown, and projected at its other end through the metal encircling band 17, where it is formed with a finger extension 21. The inner portion of the plunger 20 is narrowed to receive an encircling spring 22 which is fitted in a manner between a shoulder 23 on the plunger and the outer end of the sleeve 19 to act constantly to press the plunger into the notch, as will be understood.

From this detailed description, it will be seen that in use the lock plunger may be retracted from its notch by pulling on the finger extension 21 against the spring pressure to permit adjustment of the foot rest block to any selected notch 12. The band 17 permits free sliding movement of the block along the main support when the plunger is retracted. The corrugated metal plate 15 reinforces the notch bottom and also prevents slippage of the plunger bolt in the notches.

It is the intention to cover all such changes and modifications of the structure disclosed as do not depart from the spirit and scope of the invention as indicated in the appended claims.

What I claim is:

1. In a stilt, a main support having a series of spaced notches therein, a foot rest block slidably carried on the support, a sleeve in the block, a plunger freely slidable in the sleeve, and a spring for pressing one end of the plunger into any selected notch to lock the block to the support.

2. In a stilt, a main support having a notch therein, a foot rest block, a lock member passed through the block and engaging the notch to secure the block to the support, and a corrugated metal plate lining the bottom of the notch.

3. In a stilt, a main support having a notch therein, a foot rest block, a metal band for supporting the block detachably on the main support, a spring pressed plunger bolt passing through the block and locking in the notch, and a finger extension on the bolt for operating the same.

4. In a stilt, a main support having a notch therein, a foot rest block, a slidable member passed through the block and adapted to engage in the notch to lock the block to the

support, and a spring concealed within the block urging the slidable member into the notch.

5. In a stilt, a main support having a series of spaced notches therein, a foot rest block slidably carried on the support, a reciprocable lock member passed through the block and having an end engageable in any selected notch to lock the block to the support, and a coil spring concealed within the block to urge the lock member to duty in the selected notch.

Chicago, Illinois, April 25th, 1927.

LUDWIG PETERSEN.