No. 704,658. Patented July 15, 1902.

D. McDONOUGH.

STILT.

(Application filed July 9, 1901.)

(No Model.)

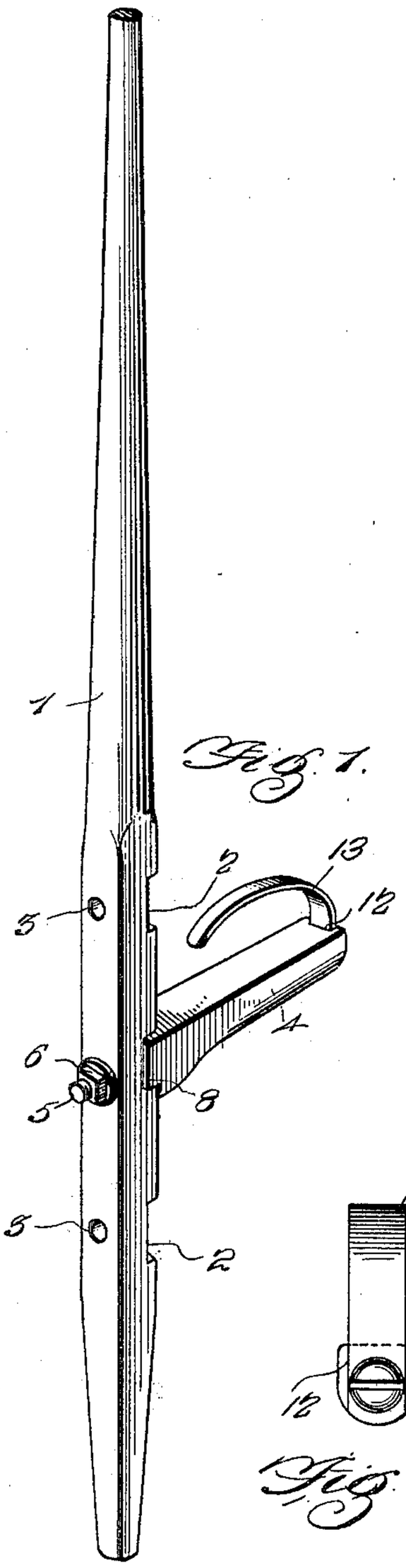

Fig. 1.

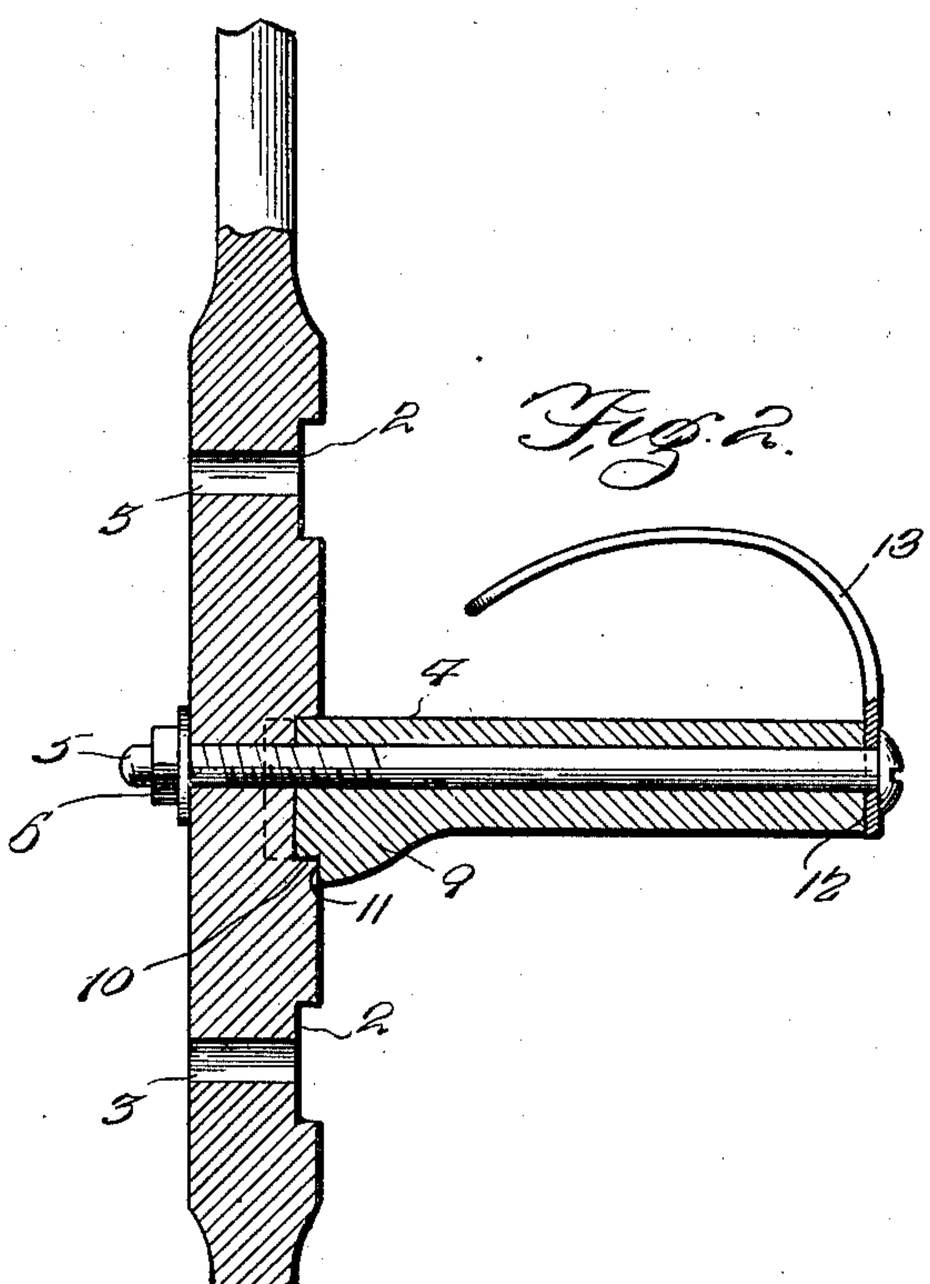

Fig. 2.

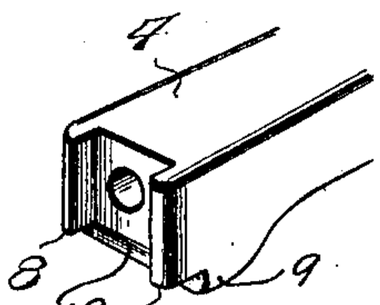

Fig. 4.

Fig. 5.

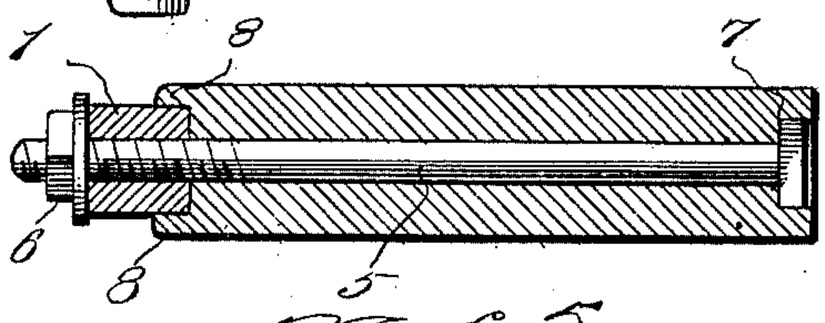

Fig. 5.

Witnesses
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UNITED STATES PATENT OFFICE.

DENNISON McDONOUGH, OF EAU CLAIRE, WISCONSIN.

STILT.

SPECIFICATION forming part of Letters Patent No. 704,658, dated July 15, 1902.

Application filed July 9, 1901. Serial No. 67,651. (No model.)

To all whom it may concern:

Be it known that I, DENNISON McDONOUGH, a citizen of the United States, residing at Eau Claire, in the county of Eau Claire and State of Wisconsin, have invented a new and useful Stilt, of which the following is a specification.

This invention relates to stilts, and has for its object to provide an improved step which is adjustable vertically upon the standard of the stilt and is arranged for convenience in adjusting the step and to maintain a strong and durable connection between the step and standard, so as to obviate looseness of the step.

With these and other objects in view the present invention consists in the combination and arrangement of parts, as will be hereinafter more fully described, shown in the accompanying drawings, and particularly pointed out in the appended claims, it being understood that changes in the form, proportion, size, and minor details may be made within the scope of the claims without departing from the spirit or sacrificing any of the advantages of the invention.

In the drawings, Figure 1 is a perspective view of a stilt embodying the present invention. Fig. 2 is an enlarged detail sectional view taken through the step and the adjacent portion of the standard. Fig. 3 is a detail end view of the step and clip. Fig. 4 is a detail perspective view of the inner end of the step. Fig. 5 is a detail sectional view of a slightly-modified construction of step.

Like characters of reference designate corresponding parts in all of the figures of the drawings.

In carrying out the present invention the lower portion of the standard 1 is made polygonal, preferably rectangular, and provided with a vertical series of transverse recesses or seats 2, with openings 3 formed through the backs of the seats and the standard and located between the ends of the recesses.

The step 4 has its inner end shaped to fit the respective notches or seats and is also provided with a bolt 5, passed centrally through the step, with its projected screw-threaded end located at the inner end of the step and passed through the adjacent opening in the standard, there being a nut 6 applied to the projected end of the bolt, so as to draw the step snugly into the seat, and thereby afford a strong and durable as well as a detachable connection between the step and the standard.

The inner end of the step is provided with opposite vertical flanges 8 to snugly embrace the standard by bearing against the opposite side surfaces thereof, and the under side of the step is downwardly enlarged, as shown at 9, and transversely notched to form a transverse shoulder 10, which rests upon the lower wall of the seat in the standard to form a strong and durable connection between the step and standard and prevent the twisting of the former with relation to the latter. In other words, the standard is transversely recessed or notched to form the step-seats 2, and the inner end of the step is vertically recessed to receive the standard, the portion of the step adjacent to the recess therein being fitted in a transverse recess or seat of the standard and having a vertical bearing-shoulder 11 for contact with the face of the standard below the recess 2. This forms an efficient interlocking joint between the parts, and when the bolt is tightened it secures the parts against looseness and at the same time affords transverse strength to the step.

At the outer end of the step is a vertical groove or recess forming a seat 12, in which is fitted one end of the toe-clip 13, which curves inward and downward over the step and is of sufficiently resilient quality to adapt it to yield when the foot of the operator is inserted thereunder. The seated end of the toe-clip is provided with an opening for the reception of the bolt 5, of which the head bears against the outer surface of said clip, and therefore the same bolt serves to secure the clip in place and fastens the step at the desired adjustment upon the standard.

In Fig. 5 there is shown a slight modification of the device wherein the bolt-head 7 is countersunk in the outer end of the step, no toe-clip being illustrated in this connection.

What is claimed is—

1. A stilt comprising a standard, a step, and a resilient approximately U-shaped foot-engaging clip connected at its outer end to the step and curved upward and inward over the step and having its inner end free inclined downward and inward toward the inner end of the step and terminating at a point adja-

cent to the same in position for engaging the foot, substantially as described.

2. A stilt comprising a standard provided at intervals with recesses and having openings located between the ends of the same, a step having its inner end fitted in one of the recesses, said step being provided with a longitudinal bore registering with the adjacent opening of the standard, a foot-engaging clip having an opening arranged at the outer end of the bore of the step, and a continuous elongated bolt extending entirely through the bore of the step and passing through the openings of the clip and the standard and securing the step in its adjusted position to the standard and also fastening the clip to the step, substantially as described.

3. A stilt comprising a standard provided at intervals with horizontal recesses and having openings, an adjustable step consisting of a horizontal bar provided with a longitudinal bore to register with the said openings and having its inner end enlarged and bifurcated vertically and recessed horizontally at the bottom of the bifurcation, said bifurcation forming parallel side flanges for embracing the sides of the standard and the recess at the bottom of the bifurcation forming shoulders for engaging the said standard, and a continuous elongated bolt passing entirely through the bore of the step and through one of the openings of the standard and holding the step interlocked with the standard, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

DENNISON McDONOUGH.

Witnesses:
ROY P. WILCOX,
A. M. BUNDY.