G. N. Cummings,

Stilt,

No. 31,787. Patented Mar. 26, 1861.

Fig. 1.

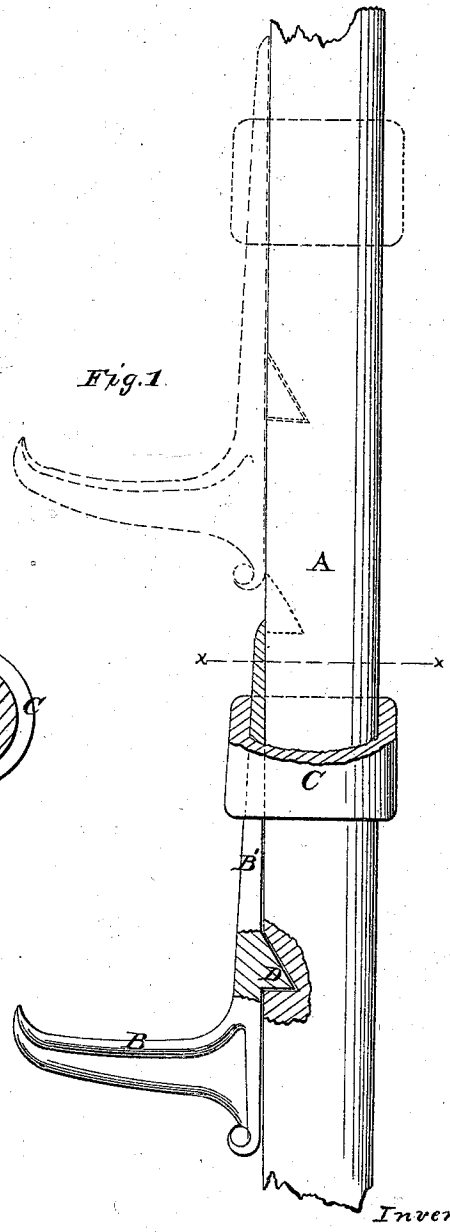
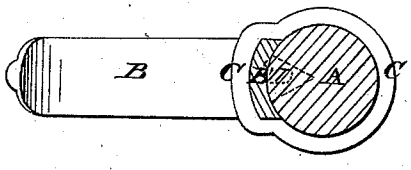


Fig. 2.



Witnesses.
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AM. PHOTO-LITHO. CO. N.Y. (OSBORNE'S PROCESS)

UNITED STATES PATENT OFFICE.

G. N. CUMMINGS, OF MERIDEN, CONNECTICUT.

STILT.

Specification of Letters Patent No. 31,787, dated March 26, 1861.

To all whom it may concern:

Be it known that I, G. N. CUMMINGS, of Meriden, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Stilts; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making a part of this specification, in which—

Figure 1 shows the staff of a stilt having my improved iron applied to it. Fig. 2 is a horizontal section through the stilt staff at the point indicated by the red line *x*, *x*, in Fig. 1.

Similar letters of reference indicate corresponding parts in both figures.

The object of this invention is to secure the foot-stand or bracket of a boy's walking stilt to the staff of the stilt in a firm and rigid manner and to make the fastening in such a manner that the foot-stand can be easily adjusted up or down on the staff, and secured thereon at any desirable height from the ground, as will be hereinafter fully explained.

To enable those skilled in the art to make and use my invention I will proceed to describe its construction and operation.

In the accompanying drawings A represents a portion of a wooden stilt staff which is made round and as strong as desirable.

B is the projecting portion of the foot-stand or bracket, which with its tapering portion B′, forms a bracket in the shape of the letter L. This piece B, B′, is made of metal, and it can be conveniently made of malleable iron cast in the shape represented in Figure 1 of the drawing.

The foot-stand portion B, is curved so that the foot will not be apt to slip off in walking, and the portion B′, which is put against the staff A, is made tapering or wedge-form so that the ring C, will bind it tightly to the staff when this ring is driven downward over this portion B′. The metal ring or collar C, is cast sufficiently large to pass loosely on the staff A; and a portion of this ring C, has a recess formed in it, as shown in Fig. 2 of the drawings, which allows the ring to slip down over the tapering portion B′, a short distance.

On the back part of the upright tapering bar B′, just above the curved foot-stand B, a wedge-shaped projection D, is formed as shown in Fig. 1. The lower bearing surface of this projection D, is perpendicular to the back surface of the bar B′, and from the end of this projection D, the surface inclines toward the upper end of the bar B′. The horizontal or rather the perpendicular surface of the projection D, will form a bearing surface for the entire stilt iron when the iron is properly secured to the staff A, and the projection D, is forced into a cavity made in the staff, to receive it. There are several of these cavities made in the staff one above the other at suitable distances apart, so that the stilt-iron B, B′, may be adjusted up or down, and secured at different heights to the staff A.

To secure the iron B, B′, to the staff, the ring or collar C, is slipped on the staff. The projection D, is then inserted into one of the cavities in the staff and the bar B, is properly adjusted. The ring C, is then slipped down over this bar B′, and with a hammer it is driven down hard so as to force the projection D, into its cavity and to confine the bar B′, tightly against the staff. The ring C, together with projection D, will now hold the foot stand or stilt iron rigidly in its place.

By knocking the ring C, upward so as to loosen the stilt iron the whole may be moved upward or downward on the staff and again secured as before described.

Having thus described my invention, what I claim, as new and desire to secure by Letters Patent, is:—

Constructing the stilt-iron B, B′, as herein described, and securing the same to the staff of the stilt by means of a metal ring C, and wedge projection D.

G. N. CUMMINGS.

Witnesses:

JOHN W. MILES,

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