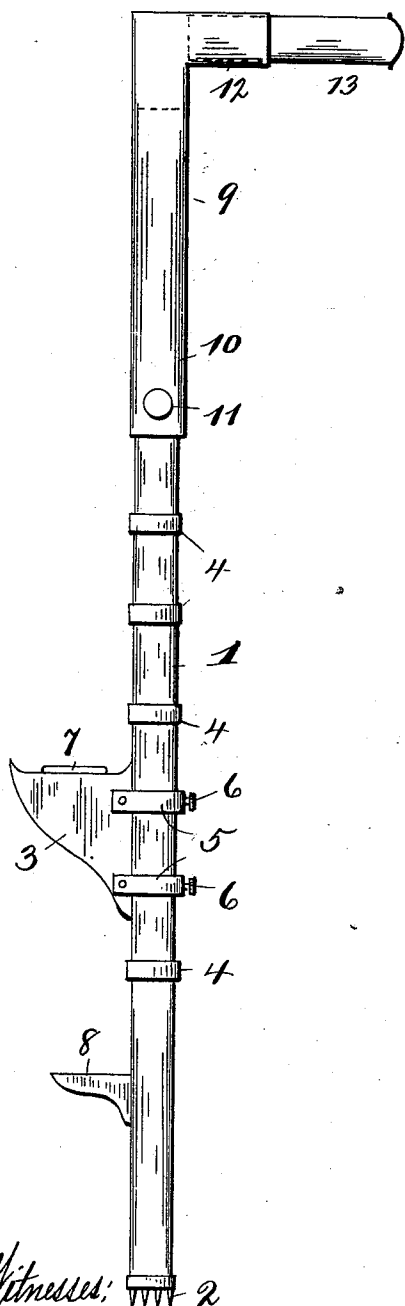


E. PIEPENBRING.
STILT.

No. 521,811.

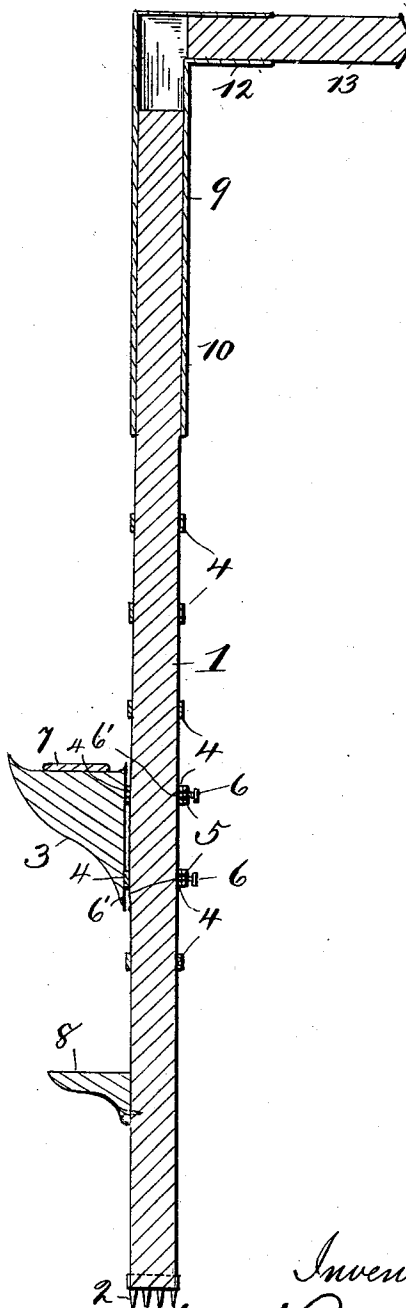
Patented June 26, 1894.

Fig. 1.



Witnesses:
Wm. E. Souther.
J. Albert Willson

Fig. 3.

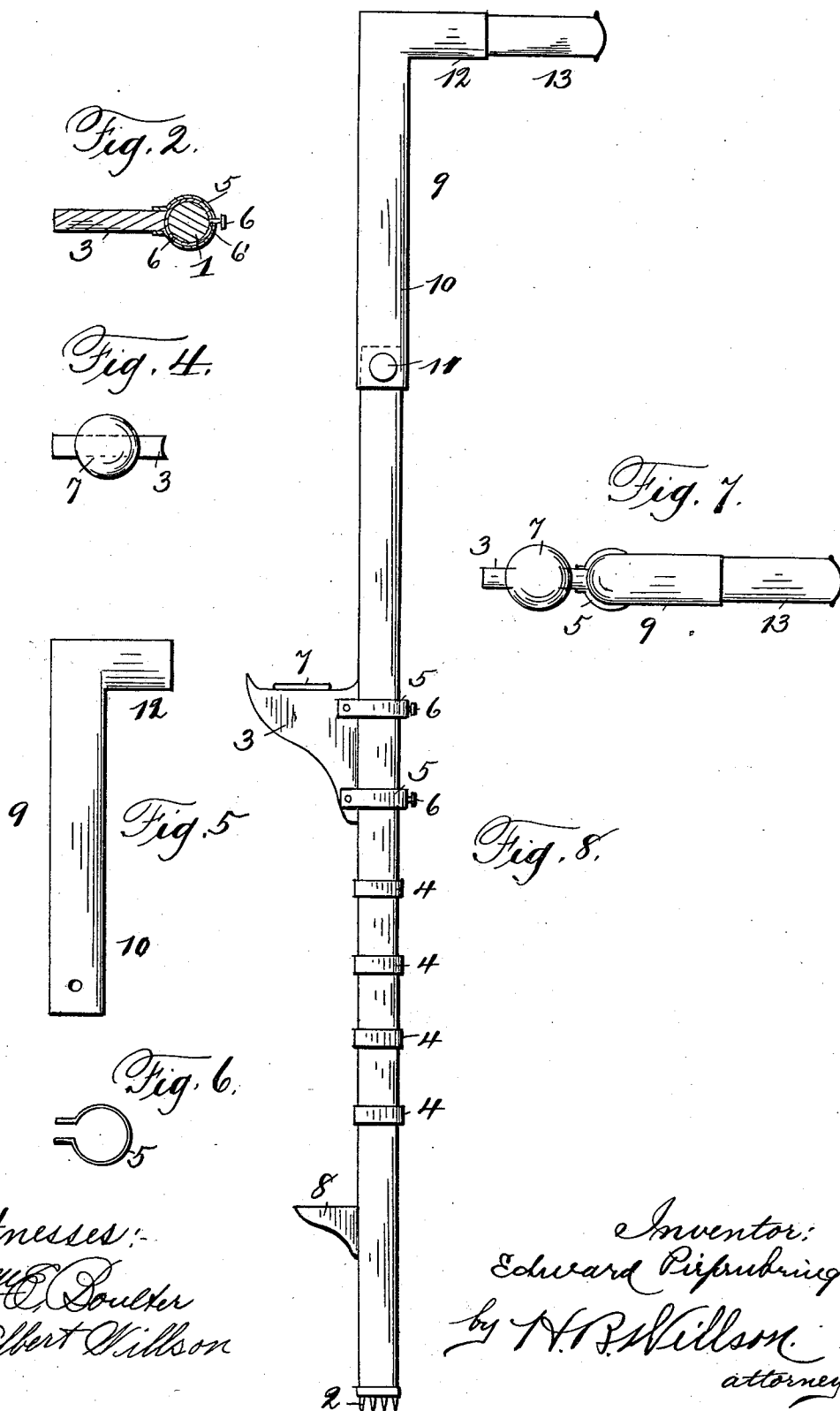


Inventor:
Edward Piepenbring
by T. H. B. Villers, attorney

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UNITED STATES PATENT OFFICE.

EDWARD PIEPENBRING, OF WASHINGTON, DISTRICT OF COLUMBIA.

STILT.

SPECIFICATION forming part of Letters Patent No. 521,811, dated June 26, 1894.

Application filed December 27, 1893. Serial No. 494,825. (No model.)

To all whom it may concern:

Be it known that I, EDWARD PIEPENBRING, a citizen of the United States, residing at Washington, in the District of Columbia, 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.

My invention has relation to stilts, and among the objects in view is to provide an extremely simple, inexpensive and efficient stilt adapted for use by children and older persons, said stilt being adapted for adjustment in its length, and being also provided with a vertically-adjustable foot support or rest, and with auxiliary foot supports or rests, all as hereinafter fully set forth.

My invention consists in the novel construction, arrangement and combination of parts constituting my improved stilt, as hereinafter fully described, illustrated in the drawings, and pointed out in the appended claims.

In the drawings, Figure 1 is an elevation of my improved stilt. Fig. 2 is a horizontal section through the foot support or rest. Fig. 3 is a vertical section of the stilt. Fig. 4 is a plan view of the foot-rest. Fig. 5 is a detail elevation of the vertically-adjustable socket or section. Fig. 6 is a plan view of one of the rings 5. Fig. 7 is a plan view of the stilt, and Fig. 8 is an elevation of the stilt showing the foot-rest and socket carrying the handle adjusted to a different position.

In carrying out my invention I provide the leg-portion 1, which may be constructed of any suitable dimensions and of any desired material or materials, but for cheapness I prefer to construct the same of wood, which will be found in practice to be sufficiently strong for all purposes.

For the purpose of avoiding any slipping of the stilt when in use, I prefer to provide the leg-portion 1 at its lower end with a series of prongs or spurs 2, or if desired any other suitable device may be employed for the described purpose.

3 indicates the foot support or rest which may if desired be rigidly secured to the portion 1, but inasmuch as it is one of the objects of my invention to provide for the ver-

tical adjustment of the foot rest whereby a person may be enabled to be supported at different heights from the ground, I provide means whereby such vertical adjustment of the foot rest may be accomplished. For instance, I may employ a series of metallic rings or sleeves 4 secured to the portion 1 of the stilt at equal intervals apart, and provide the foot rest with one or more rings or sleeves 5, which are adapted to slip over the sleeves 4, and be secured thereover by means of set-screws 6. When said set-screws are tightened up the foot rest will be firmly held in position and will be adapted to support the weight of the person without danger of slipping.

Of course the sleeves 4 on the portion 1 of the stilt could be dispensed with, but I have found that by providing such sleeves any danger of injury to the portion 1, by reason of the tightening of the set-screws will be avoided.

The sleeves 4 may be provided with perforations or sockets 6' to receive the inner ends of the set-screws to thus secure additional security from slipping of the foot-rest.

In order that the person may have a firm foot-hold upon the rest 3, the same may be provided with a supporting plate 7 of any desired configuration, said plate being here shown as circular in shape.

I have found that when the foot-rest of a stilt is at some distance from the ground a person experiences considerable difficulty in mounting the stilt, and I overcome this inconvenience by providing the stilt with auxiliary foot-support or rest arranged intermediate the foot-rest 3 and the lower end of the stilt, said rest 8, being secured to the portion 1 in any desired manner. It will thus be seen that a person may readily mount the stilt even when the rest 3 is at some distance above the ground by first placing one foot upon the rest 8 of one stilt and then placing the other foot upon the rest 3 of the other stilt. If desired more than one auxiliary rest 8 may be employed, though it will be found that one will generally suffice unless the rest 3 is at a very great height from the ground, in which event I would employ two or more rests 8.

In order to provide for the lengthening of

the portion 1 of the stilt in order to bring the handle portion of the stilt to various heights when desired I employ an L-shaped socket or sleeve portion 9, which is mounted
 5 upon the upper portion of the leg 1 of the stilt so as to be adapted to slide up and down thereover. For this purpose the leg 1 fits loosely within the longer portion 10 of the sleeve 9, and said sleeve is provided with a
 10 set-screw 11 which works through a perforation in the sleeve and impinges upon the leg 1, so that when said set-screw is tightened the sleeve 9 will be firmly held in its adjusted position. The horizontal portion 12 of the
 15 sleeve receives tightly within it the handle 13 of the stilt which is therefore adjusted vertically along with the sleeve 9 whenever the latter is adjusted.

In constructing the foot-rest 3, plate 7, sleeve 9 and handle 13, I prefer to employ
 20 metal for the said plate 7, and sleeve, for the sake of strength, and wood for the rest 3, and handle for the sake of cheapness, though it will be understood that I do not wish to be
 25 restricted to the use of any particular materials in constructing the various parts of my stilt, as I may employ such materials as I may desire.

Many changes might be made in the relative construction and arrangement of the
 30 parts without departing from the principle of the invention or sacrificing any of its advantages which latter will be at once apparent from the foregoing description when taken
 35 in connection with the accompanying drawings.

What I claim, and desire to secure by Letters Patent, is—

1. The herein described stilt consisting in the combination with a standard 1, of a main
 40 foot rest 3, a series of rings 4 carried by the standard at equal distances apart, rings or sleeves 5 carried by the foot rest at distances apart corresponding to the distances between
 45 the rings 4, said sleeves 5 being adapted to slip over the rings 4 and to be out of contact with the standard, said rings and sleeves being provided with aligned openings, a set
 50 screw adapted to work in said openings and engage the standard, all as and for the purpose specified.

2. The herein described stilt consisting in the combination with a standard 1, of a main
 55 foot rest 3, a series of rings 4 carried by the standard at equal distances apart rings or sleeves 5 carried by the foot rest at distances apart corresponding to the distances between
 60 the rings 4, said sleeves 5 being adapted to slip over the rings 4 and to be out of contact with the standard, said rings and sleeves being provided with aligned openings, a set
 65 screw adapted to work in said openings and engage the standard, and an auxiliary foot rest carried by the standard below the main foot rest as and for the purpose specified.

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

EDWARD PIEPENBRING.

Witnesses:

WM. E. BOULTER,
 J. ALBERT WILLSON.