

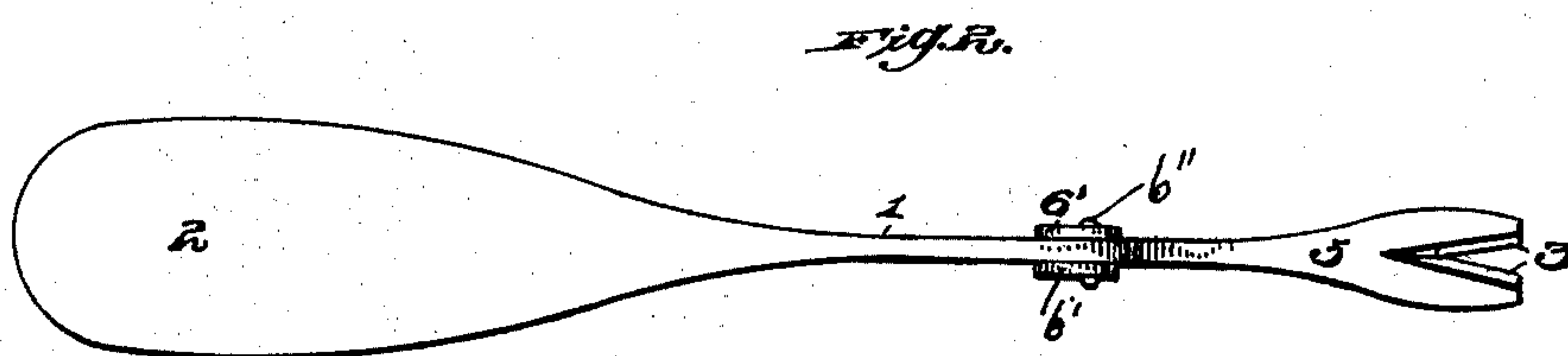
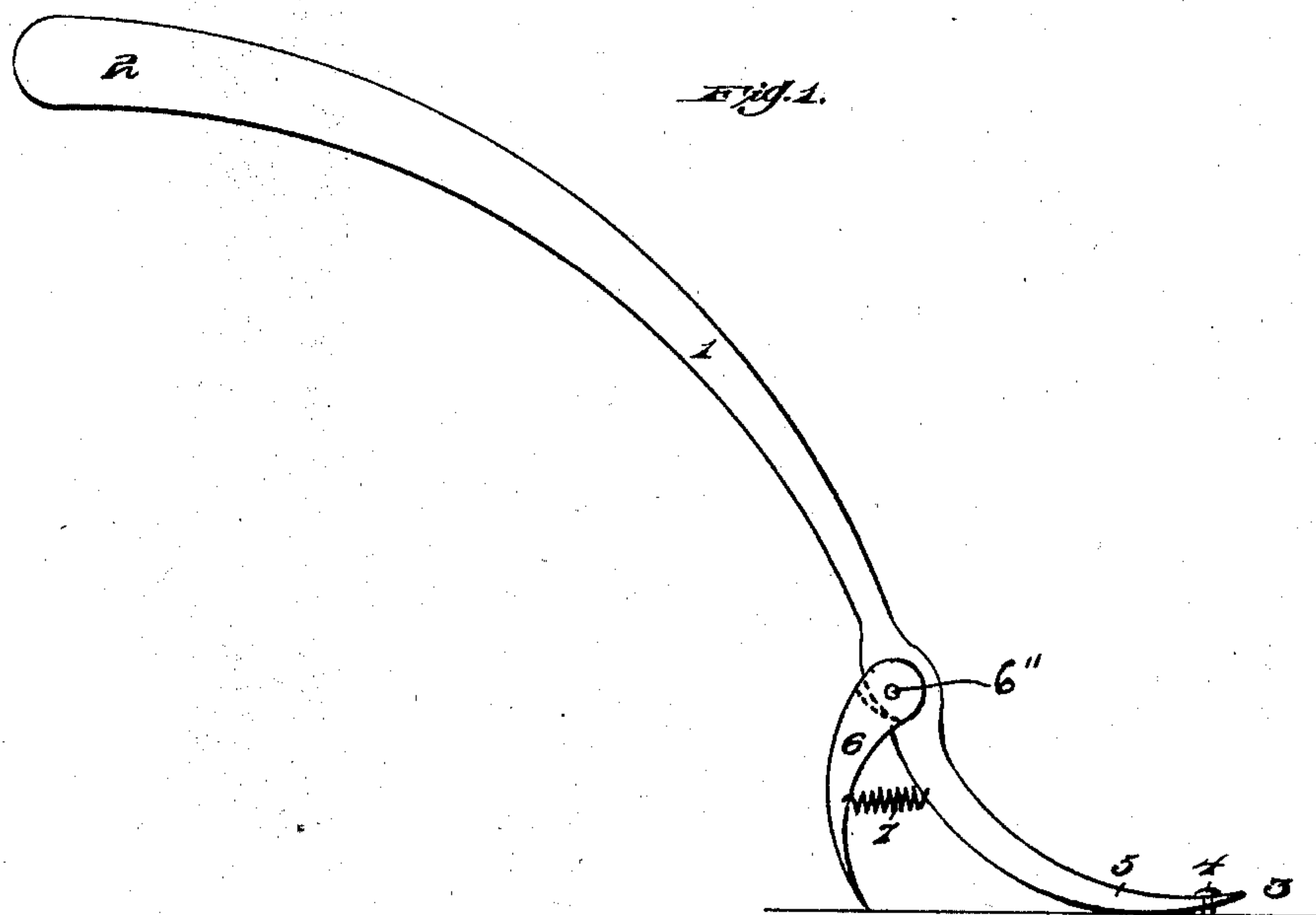
No. 705,554.

Patented July 29, 1902.

T. G. BLADEN.  
TACK PULLER.

(Application filed Oct. 8, 1901.)

(No Model.)



Witnesses:

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# UNITED STATES PATENT OFFICE.

THOMAS G. BLADEN, OF VANDERGRIFF, PENNSYLVANIA.

## TACK-PULLER.

SPECIFICATION forming part of Letters Patent No. 705,554, dated July 29, 1902.

Application filed October 8, 1901. Serial No. 78,013. (No model.)

*To all whom it may concern:*

Be it known that I, THOMAS G. BLADEN, a citizen of the United States of America, residing at Vandergrift, in the county of Westmoreland and State of Pennsylvania, have invented certain new and useful Improvements in Tack-Pullers, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to certain new and useful improvements in tack-pullers, and has for its main object to construct a tack-puller with a jaw to engage the tack and a pivoted gripping-point to engage the floor and act as a fulcrum-block while the puller is being used.

The puller comprises, essentially, two parts, the handle or lever having the pulling-jaws at one end and the gripping-point pivoted to the lever with a spring connected thereto, so as to hold the same normally in one position, and the specific construction will be hereinafter more clearly described and then pointed out in the claim.

In describing the invention in detail reference will be had to the accompanying drawings, forming a part of this specification, and wherein like numerals of reference will be employed for designating like parts throughout the different views, in which—

Figure 1 is a side view of my improved tack-puller, showing how the same is engaged with the tack for pulling the latter. Fig. 2 is a top plan view thereof.

I aim with my invention to provide means whereby the tack may be pulled from position without bending the same, so that it may be reused, and to this end provide a lever 1, the upper end of which forms the handle 2 and the lower end of which is provided with claws 3, between which the tack 4 is engaged. The lever is curved into substantially the form of an S, the bow 5 thereof engaging the floor. Pivotaly secured to this lever 1, just above the short bow thereof, is a gripping-point 6, which is adapted to engage with the floor and is held normally in the position shown in Fig. 1 by a coil-spring 7, connected to the gripping-point and to the lever. The pivoted

dog 6 has a pair of lugs 6' 6', formed integral therewith, for the reception of the lever-pin 6'', passing through both lugs and the lever.

My improved device is used in the manner shown in Fig. 1, the gripping-point 6 being engaged with the floor after the claws have been engaged with the tack. When in this position, pressure upon the handle 2 will cause the claws to be raised in a vertical line, as the gripping-point prevents any forward movement of the claws due to sliding of the puller upon the floor, and the tack is consequently withdrawn from the floor without bending. The spring 7 serves to retain the dog or gripping-point normally in position to engage with the floor when it is desired to use the tack-puller.

Attention should be called to the location of the engaging gripping-points with relation to the point of pivot of the dog 6, which pivotal point is slightly to the front of the gripping-points when the same is in a position previous to the pulling of the tack. Thus there results two movements—namely, the movement of the lever about the fulcrum 6'' and simultaneously therewith the rearward movement of dog 6 and the said lever, whereby a direct vertical pull is exerted upon the tack.

In the practice of the invention it will be observed that slight changes could be readily made in the details of construction without departing from the general spirit of my invention.

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

A tack-puller which comprises a lever having an arc-shaped handle at one end thereof, and an arc-shaped portion carrying claws at its opposite end, the radius of the last-named arc being less than that of the first-named one, an arc-shaped dog formed of flat sheet metal carrying a pair of spaced lugs engaging said lever at the inner termination of the smaller arc and having a pin passed there-through and permanently secured to said lugs, said arc-shaped dog being of such radius as will cause its free end to engage the body

in which the tack is secured and have its en-  
gaging point located to the rear of the point  
of pivot when the claws are in engagement  
with the tack, and a spring secured to the  
5 said dog and the smaller arc-shaped portion  
of the lever, the lever moving about the said  
point and simultaneously therewith having a  
rearward movement whereby a direct vertical

pull is exerted upon the tack, substantially  
as described. 10

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

THOMAS G. BLADEN.

Witnesses:

JOHN NOLAND,  
E. E. POTTER.