No. 681,585. Patented Aug. 27, 1901.

C. W. SNOW.

WEEDER.

(Application filed June 13, 1901.)

(No Model.)

Fig. 1.

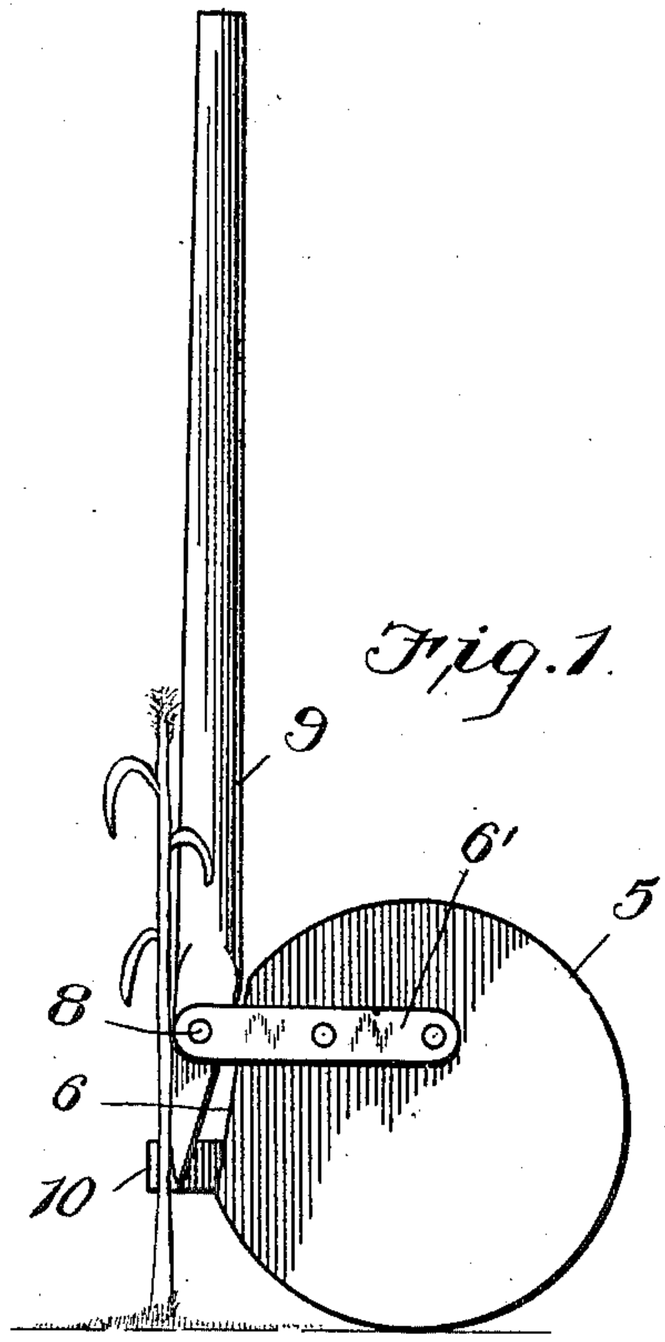


Fig. 2.

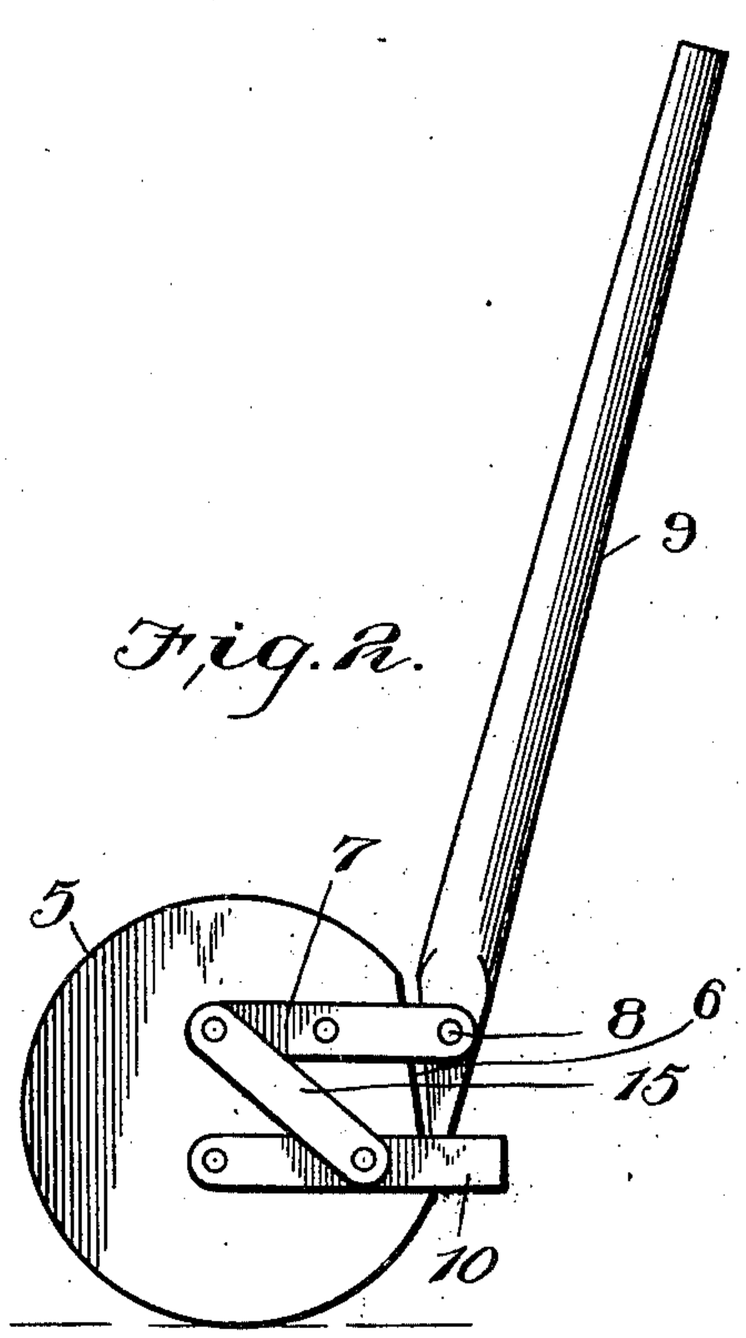
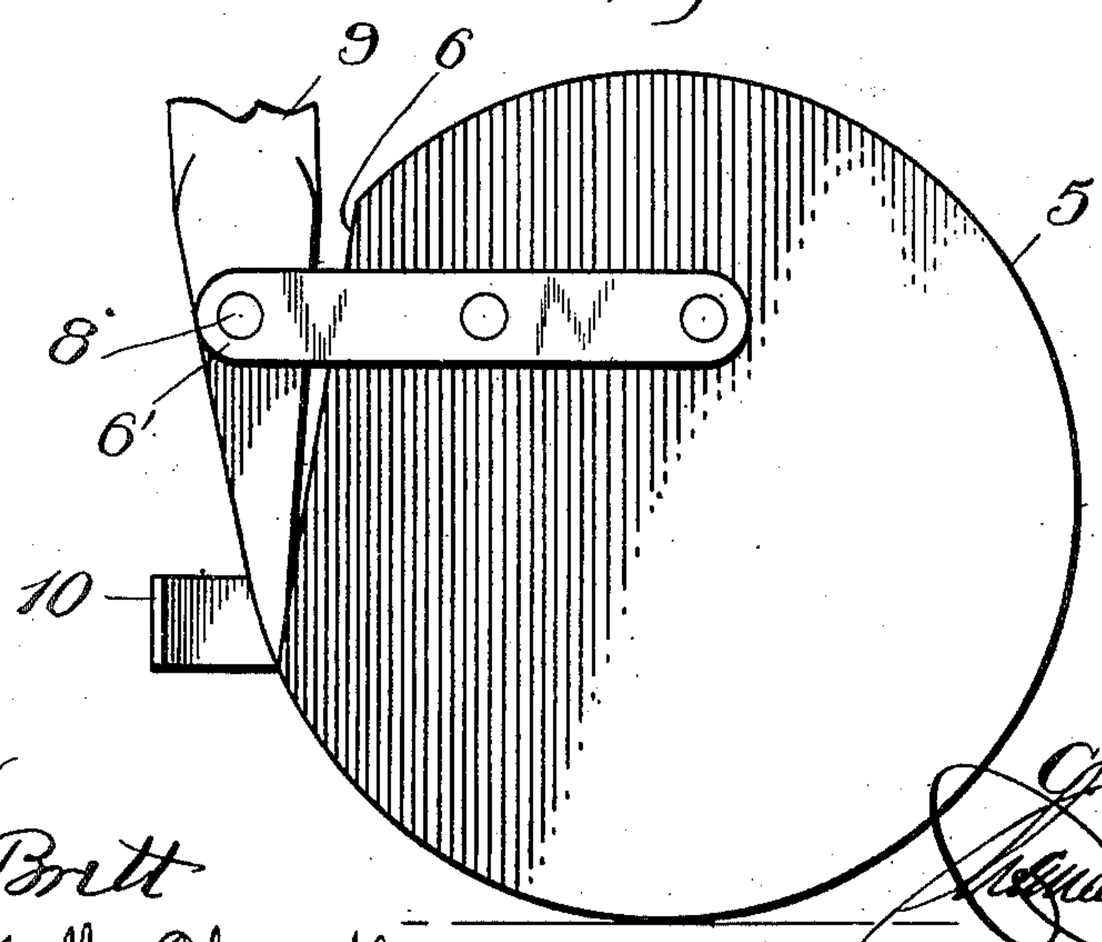


Fig. 3.



Witnesses
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UNITED STATES PATENT OFFICE.

COLUMBUS W. SNOW, OF MENTOR, MISSOURI.

WEEDER.

SPECIFICATION forming part of Letters Patent No. 681,585, dated August 27, 1901.

Application filed June 13, 1901. Serial No. 64,401. (No model.)

To all whom it may concern:

Be it known that I, COLUMBUS W. SNOW, a citizen of the United States, residing at Mentor, in the county of Greene, State of Missouri, have invented certain new and useful Improvements in Weeders; 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.

This invention relates to sprout-pulling devices such as used for pulling sassafras-sprouts; and it has for one object to provide a cheap and simple device which will firmly clamp the sprouts and will pull them without breaking them, a further object of the invention being to provide a construction wherein the parts will be firmly braced, so that the construction is most rigid.

In the drawings forming a portion of this specification, and in which like numerals of reference indicate similar parts in the several views, Figure 1 is a side elevation of the implement and showing it engaged with a sprout. Fig. 2 is an elevation showing the opposite side of the implement. Fig. 3 is an enlarged elevation showing the fulcrum-disk, the fixed clamping-jaw, and the engaging end of the clamping-lever, and showing the curvature of the upper face of the engaging portion of the lever, which is a continuation of the curvature of the disk.

Referring now to the drawings, the implement consists of a disk 5, having a flattened portion 6, this disk being formed, preferably, solid and being about three inches thick, so as not to sink into the ground during the operation of the implement. Disposed against the opposite faces of the disk 5 are the metal straps 6′ and 7, the inner ends of which are near to the center of the disk, while the outer ends thereof project beyond the flattened edge of the disk, these plates being disposed to aline. Connecting the outer ends of the straps or plates is a pivot-pin 8, which is engaged with a lever 9, one end of which forms a handle, while the other end forms a gripping-jaw, the gripping end of the lever having one face beveled to lie against the flattened edge of the disk, while the opposite face of the lever is curved or rounded, so as to form, in effect, a continuation of the curvature of the disk at this point. This curved gripping-face of the lever is disposed beneath a metal strap 10, which is bolted against one face of the disk and is projected beyond the flat edge thereof, the end of this plate being bent laterally over the curved face of the lever to form a fixed gripping-jaw, against which the curved face of the lever is adapted to impinge when the lever is moved pivotally.

In the operation of this device the outer end of the lever is raised, so as to move the curved gripping-face thereof away from the coöperating jaw, and the implement is adjusted to receive the sprout between the jaw and the curved gripping-face of the lever. When the outer end of the lever is pressed downwardly, the curved face thereof presses the sprout against the gripping-jaw, and as the lever is pressed down farther the disk is rotated, so that the gripping-jaw is raised and the sprout is pulled. By reason of the curved formation of the gripping-face of the lever the sprout is not bent abruptly, as would be the case if the end of the lever were not curved, but instead is bent gradually over the curved end of the lever and then against the edge of the disk, and as the disk is rotated the sprout is drawn against the periphery of the disk and is raised. To prevent displacement of the gripping-jaw, a brace 15 connects the lower end of one of the straps which carry the lever and the upper portion of the strap which carries the gripping-jaw.

What is claimed is—

1. A sprout-puller consisting of a disk having a flattened peripheral portion and a clamping-jaw projecting laterally thereover, and a lever pivotally connected with the disk and having a smooth and curved upper face disposed to exert a gripping action against the jaw.

2. A sprout-puller consisting of a disk having a flattened peripheral portion, straps secured to the faces of the disk and projecting beyond the flattened edge, a second strap attached to one face of the disk and having its end bent laterally over the flattened portion

of the disk, a brace connecting the straps at one side of the disk, and a lever pivoted between the projecting ends of the first-named straps and adapted to lie against the flattened portion of the disk, the adjacent outer end face of the lever being rounded to correspond to the curvature of the disk, and adapted to exert a gripping action against the gripping-jaw formed by the last-named strap.

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

COLUMBUS W. SNOW.

Witnesses:
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