

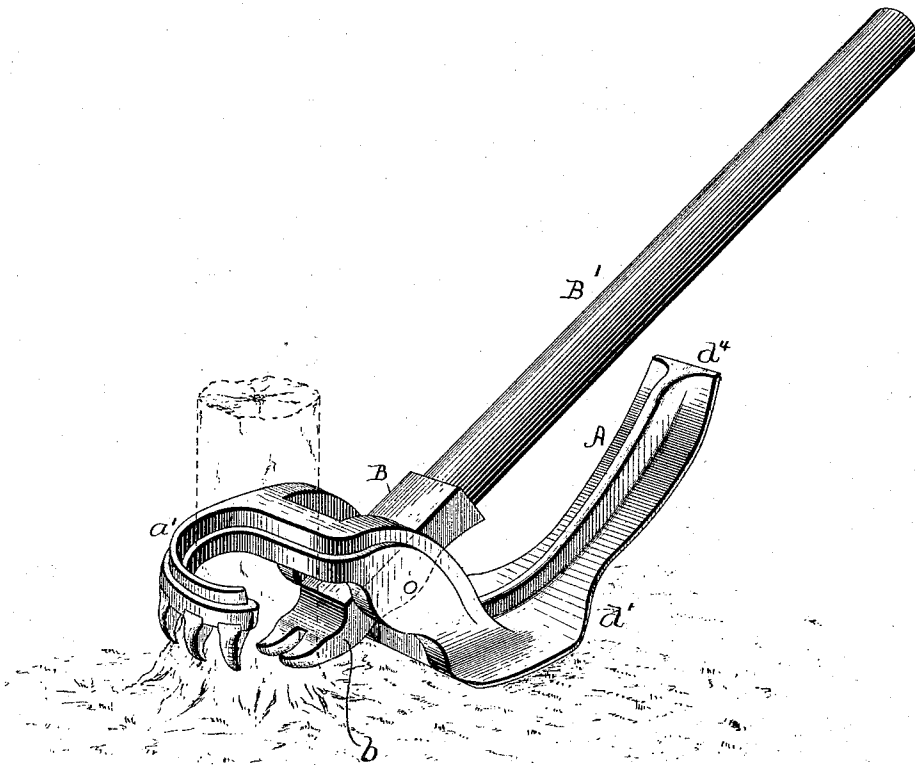
(No Model.)

W. D. TOMPKINS.

GRUB PULLER.

No. 328,983.

Patented Oct. 27, 1885.



ATTEST.

J. Henry Kaiser.
Harry L. Amer.

INVENTOR.

W. D. Tompkins
Per *S. B. Shears*
attys

UNITED STATES PATENT OFFICE.

WILLIAM D. TOMPKINS, OF FLOYD COURT-HOUSE, VIRGINIA, ASSIGNOR OF ONE-HALF TO WILLIAM LEONHARDT AND JOHN H. LEONHARDT, OF BALTIMORE, MARYLAND.

GRUB-PULLER.

SPECIFICATION forming part of Letters Patent No. 328,983, dated October 27, 1885.

Application filed March 19, 1885. Serial No. 159,401. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM D. TOMPKINS, of Floyd Court-House, Floyd county, Virginia, have invented certain new and useful Improvements in Grub-Pullers, of which the following is a specification, reference being had to the accompanying drawing, forming part hereof, in which is represented in perspective my improved device as applied to a grub or stump to be pulled.

My invention will be first fully described, and afterward pointed out in the claims.

In the drawing, A is an arm, pivoted at *x* to another arm, B, which may pass through the arm A, or be pivoted on one side thereof. The arms are each provided at their outer ends with toothed jaws *a'* and *b*, the former being curved, as shown, so that it will embrace the grub or stump, and having its teeth *a'* pointing substantially downward. The jaw *b* is provided with teeth *b'*, pointing downward on an incline, so as to enter the side of the grub when the outer end of the lever B is pressed downward.

The arm A is formed with a rolling fulcrum, *d'*, and with an end, *d''*, upon which the foot of the operator is pressed when operating the device, thus assisting the action of the hands on the arm B.

The first part of the operation—viz., the starting or loosening of the grub—requires the greatest force, and at this time the ful-

crum *d'* rests on its end nearest the grub. As the grub rises, the work becomes lighter and the fulcrum rolls, making the weight end longer and the power end shorter, so that the grub can be quickly raised.

The whole device forms, as it were, one lever when the arm B is brought down into contact with the arm A, and the fulcrum *d'* acts as a fulcrum for the lever.

The advantage and ease of operation will be apparent at a glance.

What I claim as new, and desire to secure by Letters Patent of the United States, is—

1. A grub-puller consisting of two arms pivoted together, one of them being provided with a curved toothed jaw to encircle the grub, and the other having teeth projecting radially to said curved jaw, a rolling fulcrum, and a foot-support, as set forth.

2. The grub-puller herein described, consisting of arms A and B, the latter having a toothed end to engage the grub, and a handle, B', and the former having a curved toothed jaw, *a'*, to encircle the grub, a rolling fulcrum, and a foot-rest, *d''*, as set forth.

In testimony that I claim the foregoing I have hereunto set my hand in the presence of two witnesses.

WILLIAM D. TOMPKINS.

Witnesses:

L. J. GRAVES,

W. C. HINSBOROUGH.