

M. FEIST.
FOOTBOARD.

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1,129,342.

Patented Feb. 23, 1915.

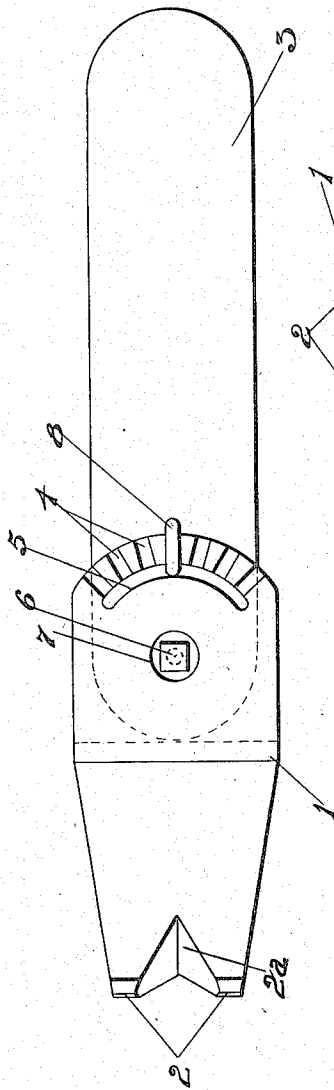


Fig. 1

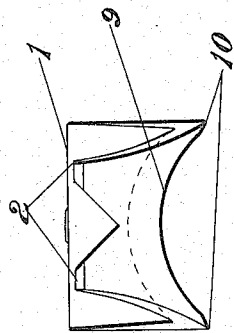


Fig. 2

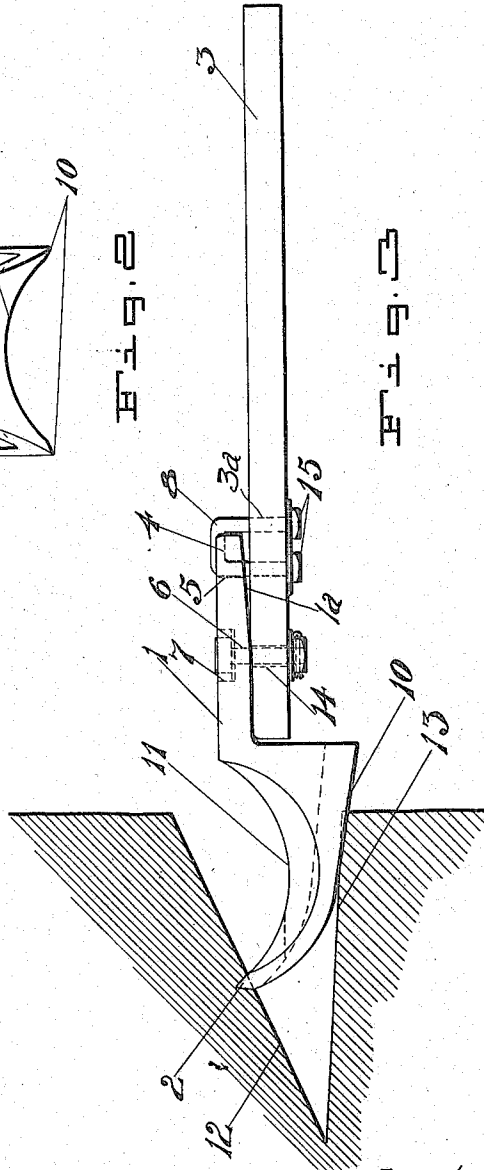


Fig. 3

Witnesses:

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UNITED STATES PATENT OFFICE.

MAX FEIST, OF TOUTLE, WASHINGTON.

FOOTBOARD.

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To all whom it may concern:

Be it known that I, MAX FEIST, a citizen of the United States, residing at Toutle, in the county of Cowlitz and State of Washington, have invented certain new and useful Improvements in Footboards, of which the following is a specification.

My invention pertains to improvements in foot boards, and has for its object to provide a foot board for wood choppers which may be easily manipulated to secure it in a notch of a tree, where it will, when released by the workman, automatically engage and retain its hold in the tree.

A further object is to provide in a device of the character indicated, a simple and efficient implement which possesses much utility and economy of construction.

I attain the objects indicated by means of the structure illustrated in the accompanying drawing, in which—

Figure 1 is a plan view of my improved board. Fig. 2 is a front end view of same. Fig. 3 is a side elevation showing the device engaged in the notch of a tree, as in use.

Referring to the numerals in the drawing, 1 represents a main plate formed preferably of casting, upon the front end of which is formed an off-set portion which depends to rest upon the lower side of the notch 13, when in use. The lower face of said off-set portion is cut away at 9 leaving each lateral edge 10 reduced to a more or less sharp edge coextensive with its longitudinal dimension, which is adapted to cut into the wood upon which it rests to prevent lateral movement of the plate. The casting is reduced from the upper face of the off-set portion at 11 for the purpose of reducing the weight and material to the desired amount; and for the further purpose of giving an upward inclination thereof at the terminal portion. The edge portions of the lower face are rounded from the rear to the front end of the upper face, thus forming with the latter a sharpened terminal portion 2 which will engage in the upper face 12 of the notch under force of the weight of the instrument and workman standing thereon. The intermediate portion of the edge 2 may be cut away at 2^a to facilitate the engagement of the remaining prongs 2 in the wood. Centrally in the plate 1 is formed the countersunk aperture 7 to receive the headed bolt 14 which passes

through the board 3 pivotally supporting it thereon.

The rear end of the plate 1 is rounded on the arc of a circle whose center is at the bolt 7. Parallel to the rear edge of the plate 1, a short distance therefrom is formed a slot 5, leaving a comparatively narrow strip extending between the lateral edges in the upper face of which is formed a series of grooves 4 each lying in a radius of the circle defining the end of said plate. Over this strip is placed a clamp 8, the arms of which extend through apertures 3^a in the median line of the board 3, within which they are secured by means of nuts 15.

The lower face of the plate 1 is upwardly inclined from the bolt 6, as indicated at 1^a, which permits the board 3 to be raised from the horizontal, thereby raising the clamp 8 from a groove 4. The board may then be freely swung to any angle desired with reference to the plate, when it may again be anchored in a groove 4 at the corresponding angle.

By means of the structure shown a foot board is provided which can be swung to any angle desired and firmly anchored there upon a head piece which is adapted to cut, under the force of the weight upon it, into the stump of a tree, upon which it rests as a fulcrum, while the upturned terminal portion automatically engages with an upward thrust into the upper face of the notch. The rounded lower face of the head portion permits the device to be swung upwardly upon the terminus as a center, and thereby readily removed.

Having described my invention, what I claim, is—

1. A foot board of the character referred to comprising a main plate terminating at its forward end in a pair of bearing edges spaced apart and adapted to rest upon the supporting surface and turned upwardly to form two upwardly directed holding points adapted to engage the upper side of a notch, and a foot board secured to said main plate.

2. A foot board of the character referred to comprising a main casting having a rearwardly projecting plate or portion adapted to have attached thereto a foot board and having its forward portion formed into a toe-like form concaved on its under side, longitudinally thereof, to form two side holding edges spaced apart and upturned at

its forward end and formed into upwardly directed holding points spaced apart, and a board attached to said rearwardly projecting portion.

5 3. A foot board comprising a head piece, a plate having an upwardly inclined lower face, a circular strip having radial grooves in its upper face, formed on the rear end thereof, a board pivoted to the lower face
10 of said plate, and a U-clamp engaging over

said strip in said grooves and secured in said board, whereby the latter may be raised from the horizontal to disengage the clamp, to permit it to swing horizontally.

In testimony whereof I affix my signature 15
in presence of two witnesses.

MAX FEIST.

Witnesses:

HARRISON G. GILMORE,
OTTO FEIST.