C. B. BUSSELL.

WEED PULLER.

APPLICATION FILED OCT. 30, 1916.

1,262,170. Patented Apr. 9, 1918.

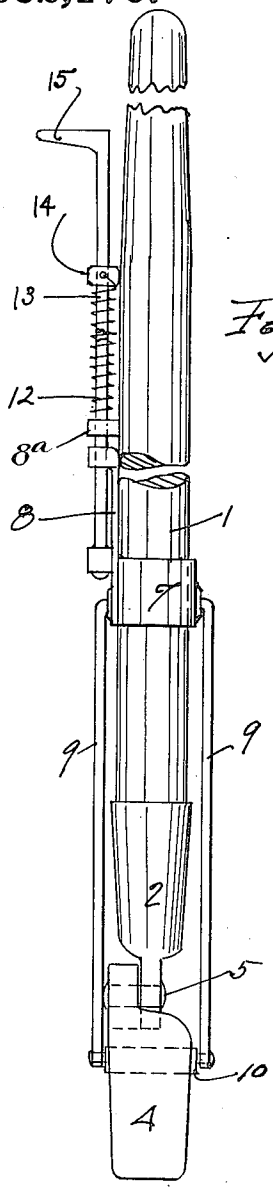


Fig. 2.

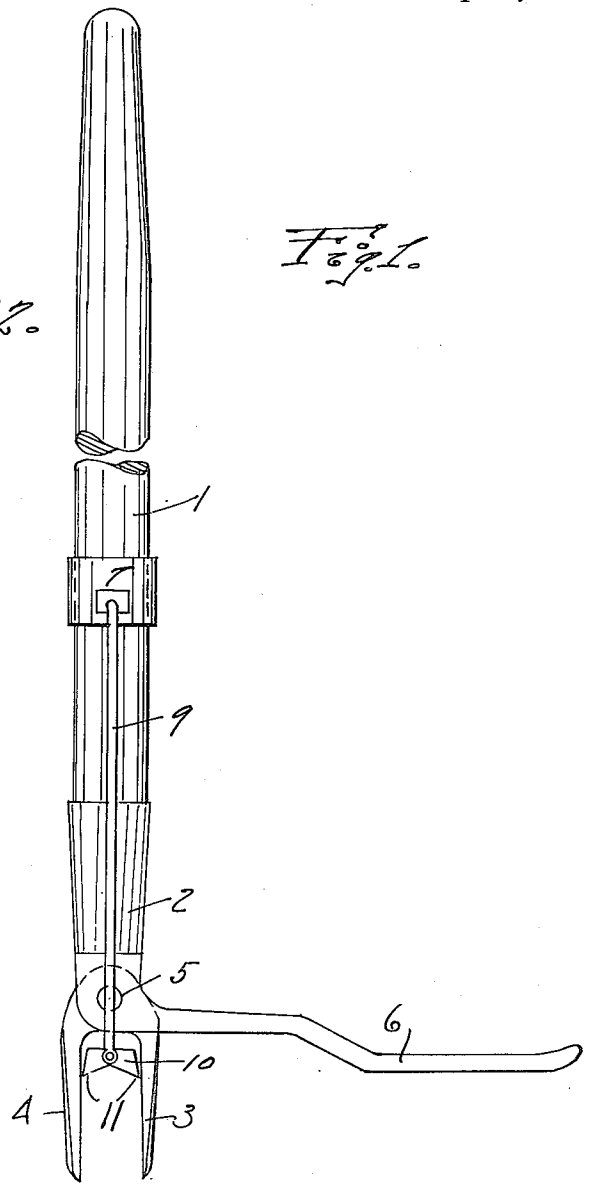


Fig. 1.

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WEED-PULLER.

1,262,170. Specification of Letters Patent. Patented Apr. 9, 1918.

Application filed October 30, 1916. Serial No. 128,491.

To all whom it may concern:

Be it known that I, CHARLES B. BUSSELL, a citizen of the United States, and a resident of Seattle, in the county of King and State of Washington, have invented certain new and useful Improvements in Weed-Pullers, of which the following is a full, true, and exact specification.

My invention relates to weed pullers and has for its principal object to provide an improved construction for a device of this character; to provide means for cleaning a foot operated weed puller.

Other objects will appear as my invention is more fully explained in the following specifications, illustrated in the accompanying drawing and pointed out in the appended claims.

In the drawings Figure 1 is a side elevation of my device with parts broken away. Fig. 2 is a front elevation of same.

Referring more particularly to the drawings, numeral 1 indicates a staff upon the lower end of which is secured a socket 2 which terminates at its lower end in a prong 3. A similar prong 4 is pivotally secured to prong 3 as at 5. A foot lever 6 is integral with prong 4 and extends at right angles thereto. A band 7 is slidably mounted upon staff 1 and is provided with an upstanding lug 8. Rods 9 are pivoted to each side of band 7 which extend downward along the sides of the staff 1 until their lower ends engage a cleaner 10 which is positioned between the prongs 3 and 4. My cleaner is of special construction in that it is concave on the bottom and is provided with sharpened faces 11 which engage the inner faces of prongs 3 and 4. Cleaner 10 is normally held in a position as shown by means of a rod 12, the lower end of which is attached to lug 8, projecting from the band 7, and mounted on said rod between a lug 8^a projecting from the staff, and a collar 14, on the rod is a spring 12. The tension of the spring between the lugs serves to force the rod upwardly, which through the connections retains the cleaner 10 up between the prongs 3 and 4. The upper end of rod 12 is provided with a thumb plate 15. In operation the prongs 3 and 4 are forced into the ground one on each side of the weed which it is desired to pull. The staff 1 is then pulled toward the foot lever 6 with the result that the weed is pinched between the prongs 3 and 4 and is pulled by raising the staff about the foot lever 6. When the weed is being pulled it is ejected from between the prongs and the prongs are cleaned by shoving downwardly upon the thumb plate 15 which shoves the collar 7 down along the staff 1 with the result that the rods 9 move the cleaner 10 down toward the points of the prongs.

While I have shown a particular form of embodiment of my invention, I am aware that many minor changes therein will readily suggest themselves to others skilled in the art without departing from the spirit and scope of the invention, and I therefore desire to avoid being limited to the exact form shown and described, except as pointed out in the appended claims.

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

1. In a device of the class described, the combination of a staff having a stationary prong attached to its lower end, a movable prong hinged to the said stationary prong, a cleaner positioned between the said prongs and means for operating said cleaner; said means including a collar slidably mounted upon said staff, pivotally mounted rods connecting said collar and said cleaner, and a spring rod attached to said collar, whereby when the collar and connecting rods are forced down the cleaner will be shoved downwardly between the prongs.

2. In a weed puller having a staff, the lower end of which is secured to a stationary prong and a movable prong hinged to said stationary prong, the combination of a concaved and sharpened cleaner positioned between the said prongs, and means for raising and lowering said cleaner with respect to said prongs; said means including a collar slidably mounted upon said staff, parallel rods whose upper ends are pivoted to opposite sides of the collar and whose lower ends are secured to said cleaner, a spring rod secured to the said collar and extending upwardly along the said staff, and a spring coiled about said spring rod, whereby the cleaner is held in normal position with respect to the prongs.

CHARLES B. BUSSELL.