

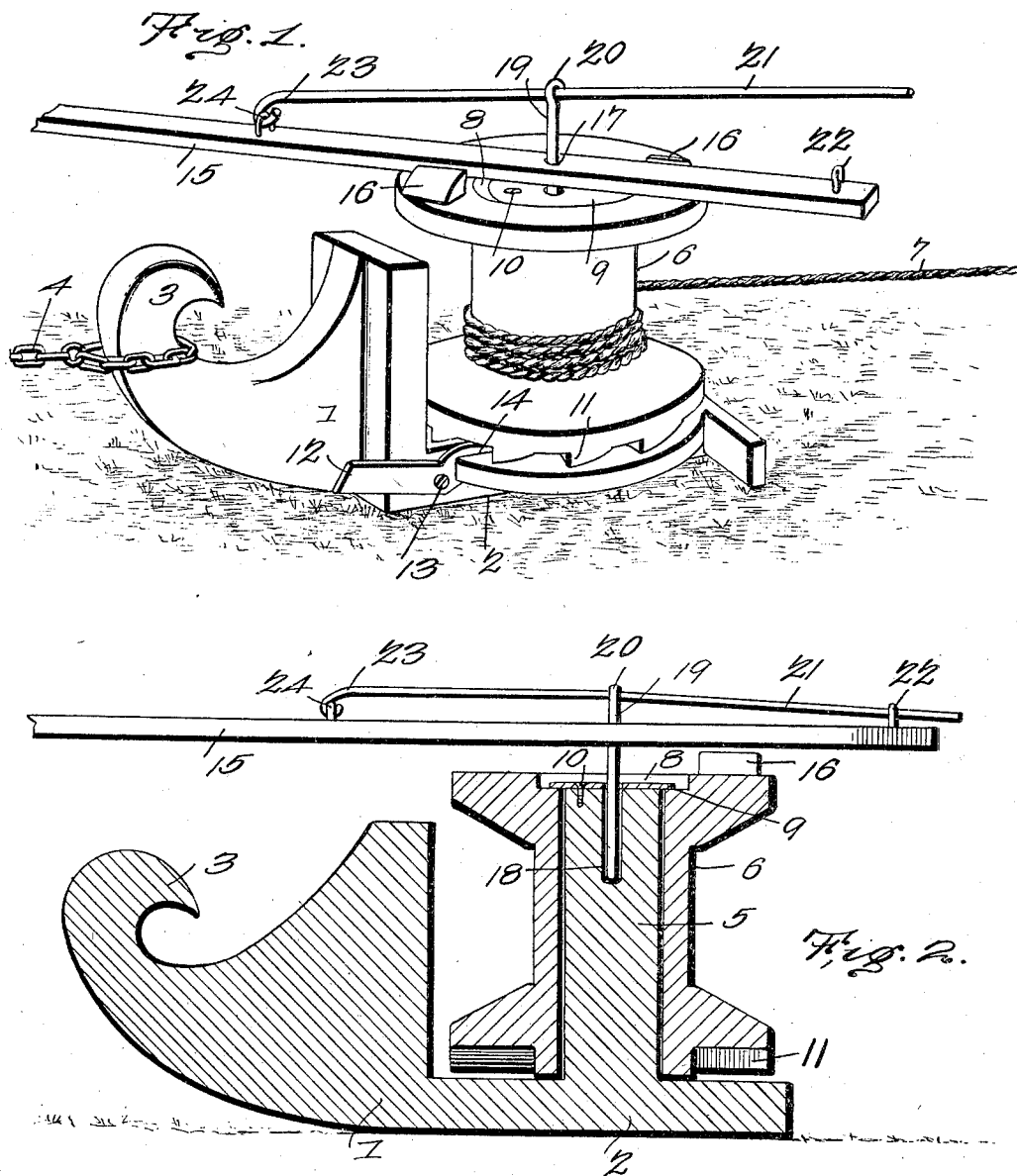
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PATENTED APR. 28, 1903.

I. H. GARRETT.
STUMP PULLER.

APPLICATION FILED MAY 6, 1902.

NO MODEL.



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UNITED STATES PATENT OFFICE.

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STUMP-PULLER.

SPECIFICATION forming part of Letters Patent No. 726,421, dated April 28, 1903.

Application filed May 6, 1902. Serial No. 106,197. (No model.)

To all whom it may concern:

Be it known that I, IRVIN H. GARRETT, a citizen of the United States, residing at Mc-
Dade, in the county of Bastrop and State of
5 Texas, have invented a new and useful Stump-
Puller, of which the following is a specifica-
tion.

The invention relates to improvements in
stump-pullers.

10 The object of the present invention is to
improve the construction of stump-pullers
and to provide a simple and comparatively
inexpensive one of great strength and dura-
15 bility having a drum or windlass adapted to
be rotated for winding up a rope or cable for
extracting a stump and capable of being
readily operated and of being arranged for
enabling the drum or windlass to be rotated
20 independently of the operating mechanism,
so that the rope or cable may be readily un-
wound to arrange it for extracting another
stump.

The invention consists in the construction
and novel combination and arrangement of
25 parts hereinafter fully described, illustrated
in the accompanying drawings, and pointed
out in the claim hereto appended.

In the drawings, Figure 1 is a perspective
view of a stump-puller constructed in accord-
30 ance with this invention, the parts being in
position for winding up a rope or cable. Fig.
2 is a vertical longitudinal sectional view of
the same.

Like numerals of reference designate cor-
35 responding parts in both figures of the draw-
ings.

1 designates a frame having a base-plate 2
and provided with a hook 3, adapted to re-
ceive a chain 4 or other suitable means for
40 anchoring the stump-puller while a stump is
being extracted. The base-plate is provided
with a central vertical shaft or spindle 5,
formed integral with the base-plate and re-
ceiving a drum 6, which is adapted to be ro-
45 tated for winding up a rope or cable 7, and
the latter is designed to be provided with
suitable means for connecting it to the stump
to be removed. The top of the drum is pro-
vided with a central recess 8, in which is ar-
50 ranged a plate or disk 9, secured by screws

10 or other suitable fastening devices to the
top of the spindle and extending horizontally
from the same and engaging the drum, where-
by the latter is held on the spindle.

The drum is provided at its lower end with 55
a ratchet 11, consisting of an annular series
of ratchet-teeth, which may be formed integral
with the drum or be constructed in any
other suitable manner, and the said ratchet-
60 teeth are engaged by a gravity-pawl 12, piv-
oted by a screw 13 or other suitable fasten-
ing device at one side of the frame and op-
erating in a slot 14 thereof, as clearly shown
in Fig. 1. The pawl is pivoted between its
65 ends, and it is adapted to be readily swung
out of engagement with the ratchet-teeth of
the drum when it is desired to unwind the
rope or cable after the operation of extract-
ing a stump has been completed.

The drum is rotated by means of a sweep- 70
lever 15, detachably interlocked with lugs 16
of the top of the drum and adapted to be op-
erated by a draft-animal or other means.
The lugs have shoulders at their opposed faces
and are beveled outwardly, and the lever, 75
which is arranged between them, is provided
with a perforation 17, registering with a socket
18 of the shaft or spindle and adapted to re-
ceive a vertical rod or pin 19. The rod or
80 pin 19, which passes through a perforation of
the disk or plate 9, is removably seated in the
recess and is provided at its upper end with
an eye 20, through which passes an operat-
ing-lever 21. The operating-lever, which ex-
85 tends longitudinally of the sweep-lever and
which may consist of a metallic rod or any
other desired material, is hinged at one end
to the sweep-lever and its other end detach-
ably engages a catch 22, consisting, prefer-
90 ably, of a hook. The inner end of the op-
erating-lever is provided with an eye, which
is linked into an eye 24 of the sweep-lever.
The eye 23 may be formed by bending the
operating-lever upon itself, as shown, and
95 the other eye, 24, may consist of a staple, as
indicated in Fig. 1. The drum is rotated for
winding up the rope or cable, and after the
operation of extracting the stump has been
completed and it is desired to unreel the rope
100 or cable the outer end of the operating-lever

is engaged with the catch 22, whereby the sweep-lever is held elevated out of engagement with the lugs. The pawl is then swung out of engagement with the ratchet of the drum, and the latter may then be rotated freely without carrying with it the sweep-lever.

The lower hub portion of the drum is extended beyond the ratchet-wheel to support the ratchet-teeth in an elevated position out of engagement with the base-plate.

It will be seen that the stump-puller is exceedingly simple and inexpensive in construction, that it possesses great strength and durability, and that it is adapted to be readily operated for extracting a stump and may be quickly arranged to permit the rope or cable to be unwound from the drum.

What I claim is—

The combination of a frame having a vertical spindle or shaft provided with a socket, a drum arranged on the shaft or spindle, a rod or support detachably fitted in the said socket, a sweep-lever interlocked with the drum, a lever fulcrumed on the pin or support and hinged at one end to the sweep-lever, and a catch mounted on the sweep-lever and adapted to receive the other end of the lever, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

IRVIN H. GARRETT.

Witnesses:

J. A. BACHMAN,

W. GAETH.