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PATENTED JAN. 8, 1907.

J. A. MELLGREN.
 APPARATUS FOR DRIVING POSTS.
 APPLICATION FILED JUNE 15, 1906.

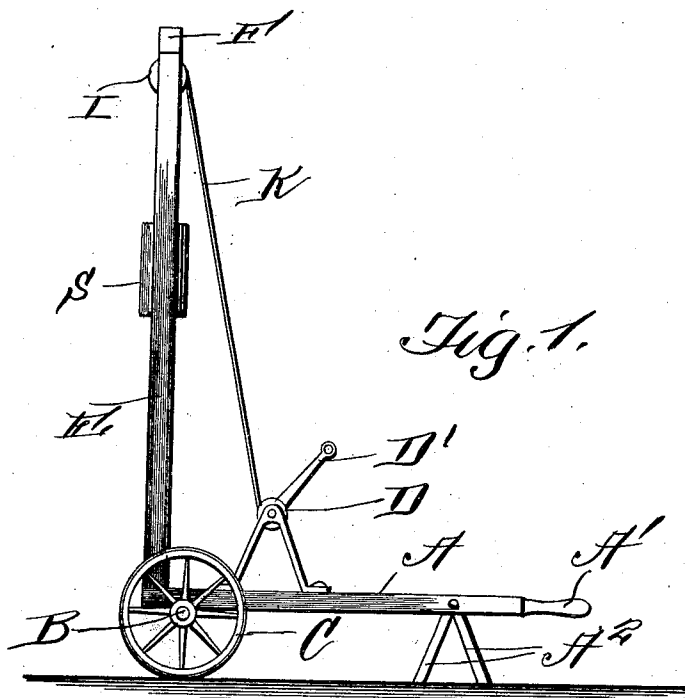


Fig. 1.

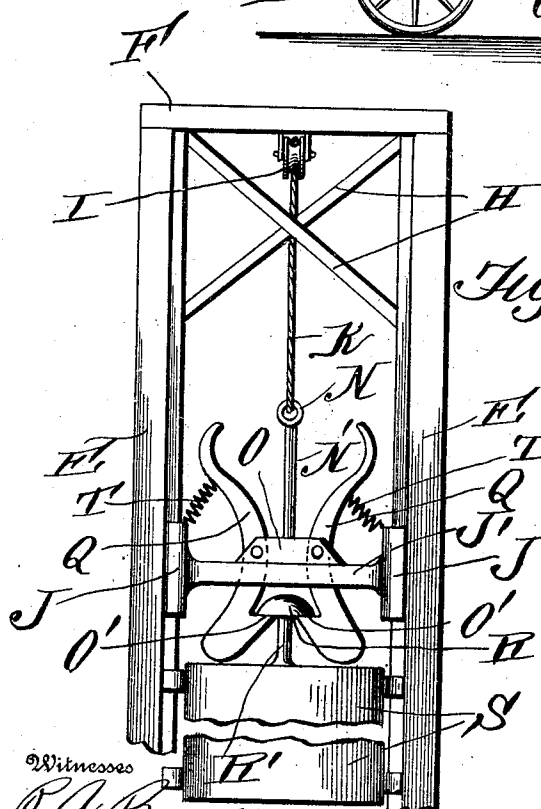


Fig. 2.

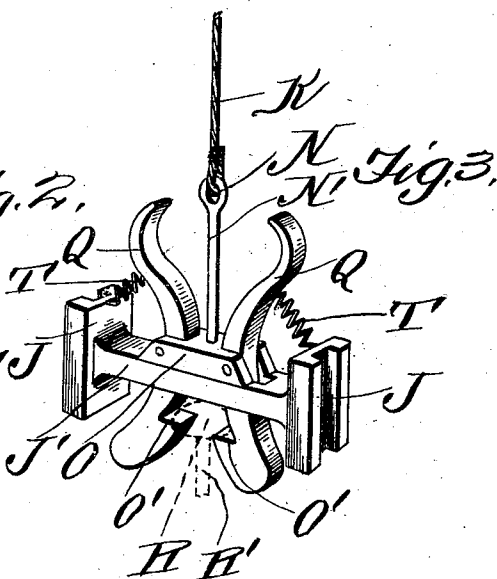


Fig. 3.

Witnesses
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UNITED STATES PATENT OFFICE.

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APPARATUS FOR DRIVING POSTS.

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Specification of Letters Patent.

Patented Jan. 8, 1907.

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To all whom it may concern:

Be it known that I, JOHN A. MELLGREN, a citizen of the United States, residing at East Union, in the county of Carver and State of Minnesota, have invented certain new and useful Improvements in Apparatus for Driving Posts; 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, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to new and useful improvements in apparatus for driving posts, stakes, &c.; and the object of the invention is to produce a simple and efficient device of this nature which may be portable, being mounted upon a suitable truck and adapted to be moved conveniently from place to place.

The invention comprises, essentially, a standard upon which is mounted a weighted member and in the provision of suitable automatically-actuated releasing mechanism whereby the weight may be allowed to fall as it is raised a suitable distance to give sufficient momentum to the weight for driving a post.

The invention consists, further, in various details of construction and combinations and arrangements of parts, which will be hereinafter fully described and then specifically defined in the appended claim.

I illustrate my invention in the accompanying drawings, in which—

Figure 1 is a side elevation of my apparatus. Fig. 2 is a front view of a portion of the apparatus supporting the weight, and Fig. 3 is a detail perspective view of the releasing mechanism.

Reference now being had to the details of the drawings by letter, A designates a hand-truck having an axle B, upon which the wheels C are journaled. Said truck has suitable handles A' and legs A². A reel D is mounted in suitable bearings upon the truck and is provided with a handle D'. Rising from the truck are the upright standards E E with a cross-piece F connecting their upper ends, and cross-pieces H are fastened between the standards near their upper ends. A sheave I is fastened to said cross-piece F and over which a cable K is adapted to run, one end of said cable being connected to

an eye N of the rod N', which is fastened to a block O, carrying the two latch-levers Q, pivoted thereto. Said latch-levers, as shown clearly in the detail perspective view 60 of the drawings, are curved slightly, and hooks O' are formed upon their inner edges adapted to engage the head R, mounted upon the pin or lug R', secured to the weight S. Springs T are connected at their inner 65 ends, one to each of said levers Q, and the outer end of each spring is fastened to a guide-piece J, which guide-pieces fit over the outer edges of the standards and which are connected by means of a bar J', which latter 70 supports the block O.

The operation of my invention is simple and will be readily understood when taken in connection with the drawings forming a part of this application, and is as follows: 75 The truck may be wheeled about wherever it is desired to use the apparatus and positioned so that the weight will be directly over the post or stake to be driven. The weight is raised to its highest position by the operator turning the reel, said catches normally engaging and holding the weight until the upper ends of the levers come in contact with the inclined edges of the braces H, which will cause the upper ends of the levers 85 to be tilted toward each other and their hooks disengaged from the head R, which is secured by the lug R', projecting from the weight, thereby allowing the latter to fall. As the rope is unreeled the latches or levers 90 will automatically engage the head connected to said weight and the weight may be again raised and another blow imparted to the post.

What I claim is—

An apparatus for driving posts comprising 95 a truck with wheels at one end thereof and legs for supporting the opposite end of the truck, a standard rising from one end of the truck provided with intersecting cross-pieces 100 fixed diagonally to the standard, guide-strips upon the inner faces of the upright portions of the standard, a weight mounted between the uprights of the standard and provided with fingers adapted to engage said 105 guides, a headed lug projecting from the top of the weight, a cross-bar having T-shaped ends with grooves in the outer faces thereof adapted to receive said guides, the outer edges of the grooved ends of said cross-piece 110 being flush with the opposite faces of the uprights of the standard, said cross-piece hav-

ing an elongated slot, pivotal spring-engaging
jaws mounted within said slot, the upper
ends of the shank portions of said jaws being
curved inwardly and adapted to contact
5 with one of said diagonally-disposed braces,
a rod projecting from the cross-piece inter-
mediate the jaws, and a cable connected to
said rod and passing over a pulley upon the

standard, and a windlass about which the
cable is adapted to be wound, as set forth. 10

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

JOHN A. MELLGREN.

Witnesses:

ADIN NELSON,

ALICE J. CARLSON.