

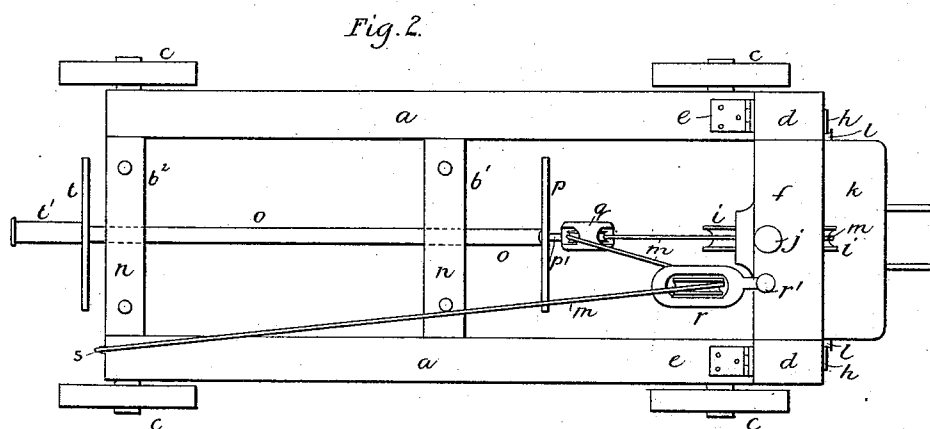
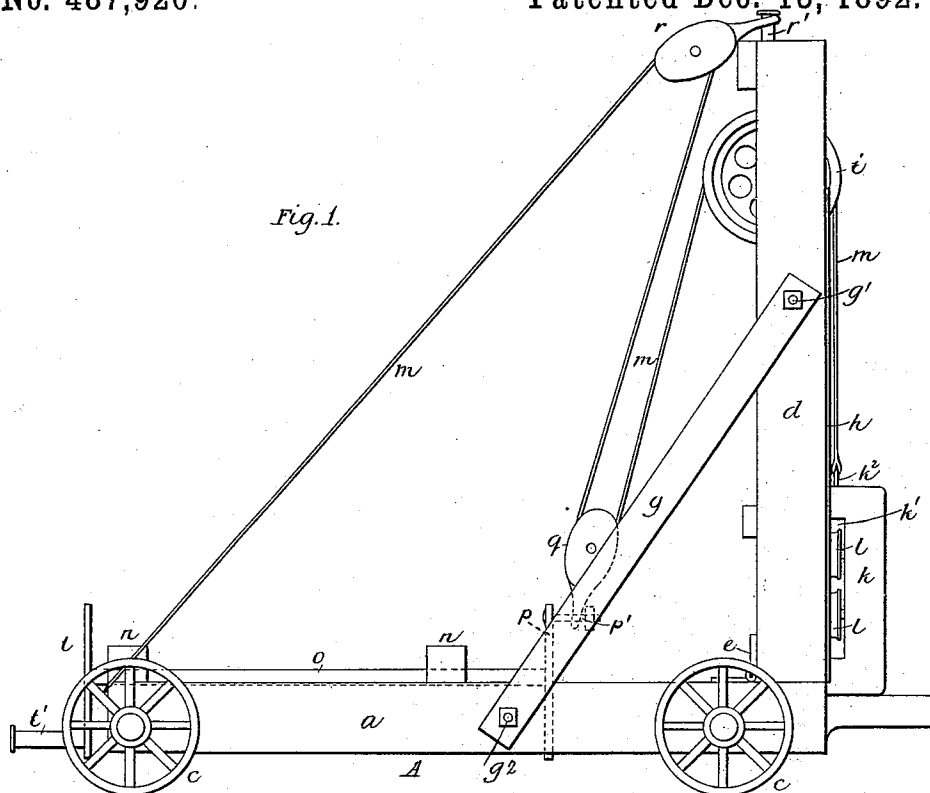
(No Model.)

2 Sheets—Sheet 1.

W. L. GEORGE.
PILE OR FENCE POST DRIVER.

No. 487,920.

Patented Dec. 13, 1892.



Witnesses

Wm. S. Norton
Geo. H. Brown

Inventor

Walter L. George

By Wm. S. Norton & Co.
his Attorneys

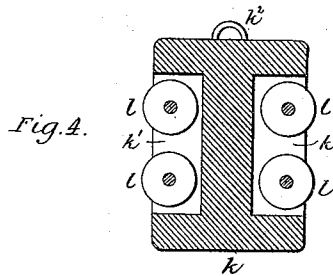
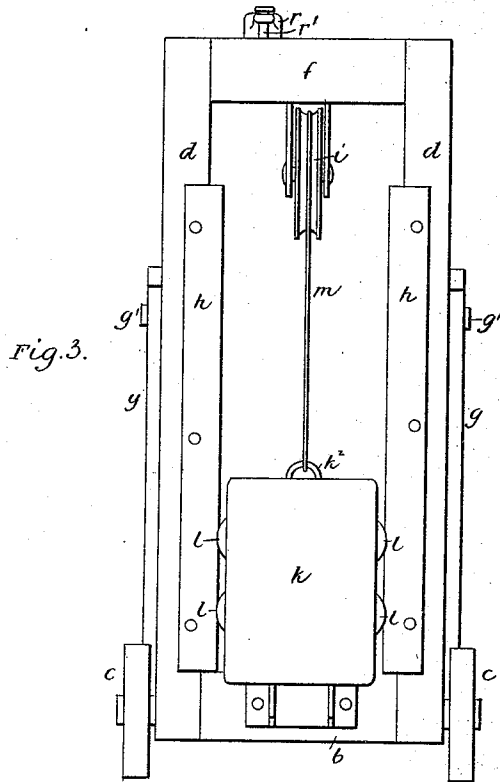
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UNITED STATES PATENT OFFICE.

WALTER L. GEORGE, OF CAMDEN, INDIANA.

PILE OR FENCE-POST DRIVER.

SPECIFICATION forming part of Letters Patent No. 487,920, dated December 13, 1892.

Application filed July 26, 1892. Serial No. 441,340. (No model.)

To all whom it may concern:

Be it known that I, WALTER L. GEORGE, a citizen of the United States, residing at Camden, in the county of Carroll and State of Indiana, have invented certain new and useful Improvements in Pile and Fence-Post Drivers; and I do 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.

My invention has reference to improvements in machines for driving piles, fence-posts, and the like, and has for its object to produce a portable machine which is especially applicable for use in connection with fence-building and which shall be simple in construction and efficient in its operation.

My invention consists in the construction, relative arrangement, and operation of the several parts constituting my improved machine, all of which will hereinafter be fully and clearly described, and specifically claimed.

In the accompanying drawings, which form a part of this specification, Figure 1 represents my machine in side elevation. Fig. 2 is a plan view; Fig. 3, a front elevation, and Fig. 4 a section of the weight.

The reference-letter A denotes the body of the machine, which is formed of the side rails *a a* and cross-pieces *b b' b²*.

c c are wheels upon which the body is mounted. In the forward end of the body is the weight mechanism, which comprises two standards *d d*, pivotally secured to the top of the side rails by hinges *e e*, these standards being connected at their upper ends by a cross-piece *f* and supported in their raised or vertical position by brace-rods *g g*, which are pivotally connected at one end to the standards by bolts *g'* and temporarily secured by bolts *g²* to the side rails. These rods may be disconnected at their lower ends and the standards and weight mechanism brought over and allowed to rest on the body in order to facilitate transportation. On the

outer side of the standards are arranged guides *h*, and suspended from the cross-piece *f* is a grooved pulley *i*, held in position by a bolt *j*, as shown. The weight *k* is preferably rectangular in shape and is formed with recesses *k'* in the sides thereof, into which are inserted rollers *l l l*, which engage the guides and permit a free movement thereon. In the upper end of the weight is a staple or ring *k²*, to which is connected the rope *m*.

Mounted in suitable boxes *n n*, secured to the cross-pieces *b' b²*, is a shaft *o*, which has arranged on its inner end a crank-disk *p*, having a crank-pin *p'* thereon. To this pin is secured the eye of a pulley-block *q*, and secured to the cross-piece *f*, at the top of the standards, is another pulley-block *r*, secured thereto by a pin *r'*. The rope *m* is connected at one end to the weight and is passed up around the pulley *i*, down and around pulley-block *q*, up and around pulley-block *r*, and thence to a pin *s* in the rearward end of the machine, where it is secured. On the other end of the shaft *o* is a crank-disk *t*, having thereon a handle *t'*. The shaft is revolved by turning said handle, and the pulley-block *q* is caused thereby to follow the movement of the crank-pin *p'* and be raised and lowered alternately. The downward movement of this pulley-block operates through the rope *m* to raise the weight sufficiently above the fence-post or pile and, the continued revolution of the shaft causes the weight to fall on the head of the post, which operations are repeated until the desired height thereof above the ground is attained.

The body of the machine may be dispensed with and the weight and operating mechanism be suitably mounted on an ordinary wagon.

The invention is simple in construction and may be easily and rapidly manipulated.

I claim—

A fence-post or pile driver comprising a body, standards hinged to said body, temporary supports therefor, guides on the standards, a weight having friction-rollers for said guides, a horizontal shaft journaled on the body, having a crank at its inner end and a

crank-handle at its outer end, a pulley-block
pivotally secured to the crank, pulleys in the
upper portion of the standard, and a rope
connecting the pulleys, pulley-block, and
5 weight, whereby the latter is actuated at each
revolution of the crank, substantially as de-
scribed.

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

WALTER L. GEORGE.

Witnesses:

SAMUEL S. ULERY,
C. C. ORAHOD.