

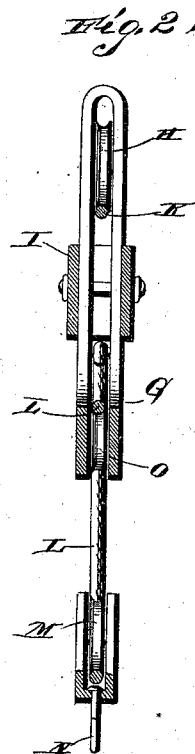
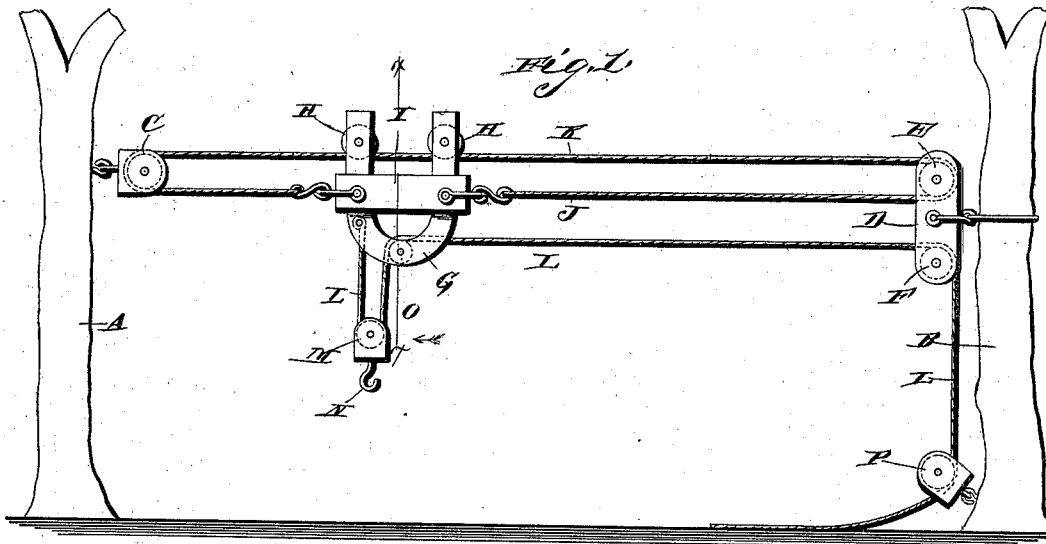
(No Model.)

J. C. BURKE & C. KRUEGER.

STUMP EXTRACTOR AND LOG MOVER.

No. 385,340.

Patented July 3, 1888.



Witnesses.

W. Taylor,
John H. Siggers

Inventors.

Julius C. Burke,
Charles Krueger.

By *this* Attorneys

C. H. Snow & Co.

UNITED STATES PATENT OFFICE.

JULIUS C. BURKE AND CHARLES KRUEGER, OF WAUSAU, WISCONSIN.

STUMP-EXTRACTOR AND LOG-MOVER.

SPECIFICATION forming part of Letters Patent No. 385,340, dated July 3, 1888.

Application filed January 21, 1888. Serial No. 261,512. (No model.)

To all whom it may concern:

Be it known that we, JULIUS C. BURKE and CHARLES KRUEGER, citizens of the United States, residing at Wausau, in the county of Marathon and State of Wisconsin, have invented a new and useful Improvement in Stump-Extractors and Log-Movers, of which the following is a specification.

Our invention relates to improvements in stump-extractors and log-movers; and it consists in certain novel features hereinafter described and claimed.

In the accompanying drawings, Figure 1 is a side view of our improved device, and Fig. 2 is a sectional view on the line *x x* of Fig. 1.

Referring to the drawings by letter, A B designate two suitable standards, posts, or similar devices, to and between which our improved apparatus is secured. In the present instance we have shown two trees as being utilized for the purpose of supporting our device; and it will be readily understood that any convenient object situated near the stump or log may be used.

To one of the supports, A, at the proper height, we secure a pulley-block, C, and to the other support, B, we secure at the proper height an elongated block or casting, D, in the upper and lower ends of which we journal the rollers E F, as shown.

G designates a U-shaped frame or carriage, which is composed of two similar side portions, between the upper ends of which we journal the carrying-rollers H H, as shown in Fig. 1. Below these rollers we secure within the carriage the horizontally-arranged block I, to the opposite ends of which we secure the opposite ends of the guide and supporting cable J. This cable J extends from the carriage in both directions and passes around the pulley C and the upper roller, E, of the casting D. It also has the horizontal portion K, extending between the pulley C and the roller E, upon which the rollers H of the carriage rest and travel.

L designates the draft-cable, which has one end secured permanently to the lower portion of the carriage, from which it depends, as shown. A pulley, M, carrying a securing-hook, N, is loosely mounted on the draft-cable, and from this pulley the draft-cable extends up to the carriage and passes around a pulley, O, mounted in the lower portion thereof. It then passes to and around the lower roller, F, in the casting D, and thence

to and around a pulley, P, secured in any suitable manner near the ground.

Such being the construction and arrangement of the parts of our improved apparatus, the operation of the same will be readily understood. The stump to be extracted, or the log or other weight to be moved, is suitably connected to the securing-hook, and power is then applied by any suitable means to the free end of the draft-rope. The pull or tension exerted upon the draft-rope causes the same to pull upward on the stump or weight, thereby raising the same to the height of the carriage. When the weight has been raised to such a height that the pulley M contacts with the pulley O, the force exerted by the draft-rope will draw upon the carriage, so as to cause it to travel upon the supporting-rope, as will be readily understood, toward the place where the weight is loaded onto a suitable transporting-vehicle.

The device is very simple and efficient, and by its use stumps can be raised and moved very quickly and easily. It is also adapted to raise and move all heavy weights, and its advantages are thought to be obvious.

Having thus described our invention, what we claim, and desire to secure by Letters Patent, is—

The improved stump-extractor and log-mover herein described and shown, comprising the pulley C, the elongated block D, having the pulleys E F in its ends, the cable J, passing around the pulleys C E and forming two parallel branches, the carriage having the rollers H H in its upper portion, resting on the upper branch of the cable J, the longitudinal block I, secured to the carriage and having the ends of the cable attached thereto, the pulley O, mounted in the lower portion of the carriage, the cable L, secured to the carriage, depending therefrom, and passing over the pulleys O and F, and the pulley M, mounted loosely on the cable L, between its point of securement and the pulley O, substantially as specified.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in presence of two witnesses.

JULIUS C. BURKE.
CHARLES KRUEGER.

Witnesses:

CHARLES F. CROSBY,
E. C. ZIMMERMAN.