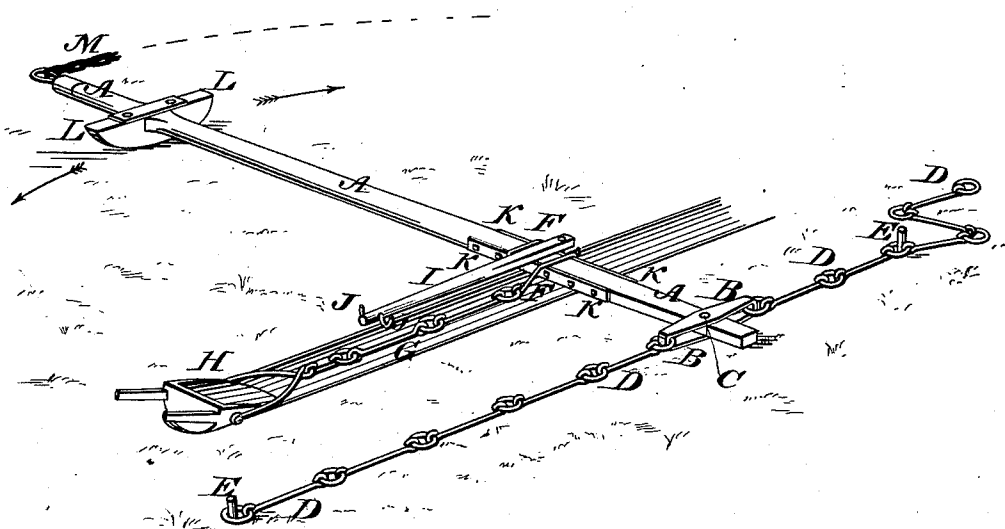


(No Model.)

T. B. COOK.
Apparatus for Filling Ditch Scrapers.

No. 232,004.

Patented Sept. 7, 1880.



WITNESSES:

Donn P. Twitchell,
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THOMAS B. COOK, OF NEW LANCASTER, INDIANA.

APPARATUS FOR FILLING DITCH-SCRAPERS.

SPECIFICATION forming part of Letters Patent No. 232,004, dated September 7, 1880.

Application filed March 22, 1880. (No model.)

To all whom it may concern :

Be it known that I, THOMAS BAXLEY COOK, of New Lancaster, in the county of Tipton and State of Indiana, have invented a new and Improved Apparatus for Filling Ditch-Scrapers, of which the following is a specification.

The figure is a perspective view of the improvement.

10 The object of this invention is to furnish an apparatus for filling ditch-scrappers, so constructed that the scrapers can be filled more rapidly and with less labor than when the ordinary apparatus is used.

15 The invention consists in constructing the apparatus of a lever anchored at one end by a double clevis, two chains, and two stakes, a hook and chain to receive the scraper, an arm and hook to support the scraper-chain
20 when the scraper is detached, a shoe or wheel to support the lever, and a draft-chain, as will be hereinafter fully described.

A represents a lever of suitable length, breadth, and thickness to give the necessary
25 power and strength.

To the rear end of the lever A is attached a double clevis, B, by a bolt, C, passing through the center of the clevis and through the lever A.

30 To the ends of the clevis B are attached the ends of two chains, D, which are made of rods or links connected by rings, the said rings being made of sufficient size to receive the wooden or iron stakes or pins E, by which the
35 said chains D are secured to the ground to anchor the end of the lever A.

To the lever A, at a suitable distance from the anchored end of the said lever, are attached one or more hooks, F, which hooks F
40 may be stationary or adjustable, and are designed to receive the ends of the chains G, to the other ends of which the bails of the scrapers H are attached.

To the lever A is attached an arm, I, which
45 may be stationary or adjustable, and has hooks J attached to its outer end, to receive the scraper-chains G when the scrapers H are detached.

The part of the lever A to which the hooks

F are attached may be strengthened by bars 50 or plates K, bolted to it.

To the lever A, at or near its free end, is attached a wheel or shoe, L, having its lower edge rounded off toward both ends, so that it may move equally well in either direction. 55

To the end of the lever A is attached a short chain, M, to which the horse is attached.

In using the apparatus, the lever A is adjusted in proper position and the anchor-chains D are secured to the ground by the stakes E. 60 A scraper, H, is then attached to the chain G, and the horse is attached to the chain M and driven in the proper direction to fill the scraper, the wheel or shoe L preventing the lever A from drawing upon the ground. 65

When the scraper is filled, the chain G is unhooked from the scraper H and hung upon a hook, J, and the lever A is drawn back to receive an empty scraper, while the filled scraper is drawn out of the ditch by other
70 horses. As the ditch progresses the anchored end of the lever is moved by letting out one of the chains D and taking up the other. When the lever A can be moved no farther, by adjusting the chains D the stakes E are moved
75 forward.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

1. An apparatus for filling ditch-scrappers, 80 constructed substantially as herein shown and described, consisting of the lever A, the double clevis B, the anchoring-chains D and stakes E, the hooks F and chains G, the arm I, carrying hooks J, the wheel or shoe L, and
85 the draw-chain M, all constructed and operating as set forth.

2. In an apparatus for filling ditch-scrappers, the combination, with the lever A and the anchoring-chains D, of the double clevis B, substantially as herein shown and described, to give the lever A a free movement in both directions, as set forth. 90

3. In an apparatus for filling ditch-scrappers, the combination of the anchored draft-lever A, 95 the hook F, and chain G with the scraper H, directly connected thereto, substantially as herein shown and described.

4. In an apparatus for filling ditch-scrapers,
the combination, with the anchored lever A,
of the arm I, carrying hook J, substantially
as herein shown and described, for supporting
5 the scraper-chains G when the scraper is de-
tached, as set forth.

5. In an apparatus for filling ditch-scrapers,
the combination, with the anchored lever A,

of the wheel or shoe L, substantially as here-
in shown and described, whereby the lever is 10
supported while moving back and forth.

THOMAS BAXLEY COOK.

Witnesses:

JOHN HOBBS,
PHILIP H. BALLARD.