(No Model.)

S. H. SEIBERT.

Ditching Machine.

No. 242,481. Patented June 7, 1881.

Fig. 1.

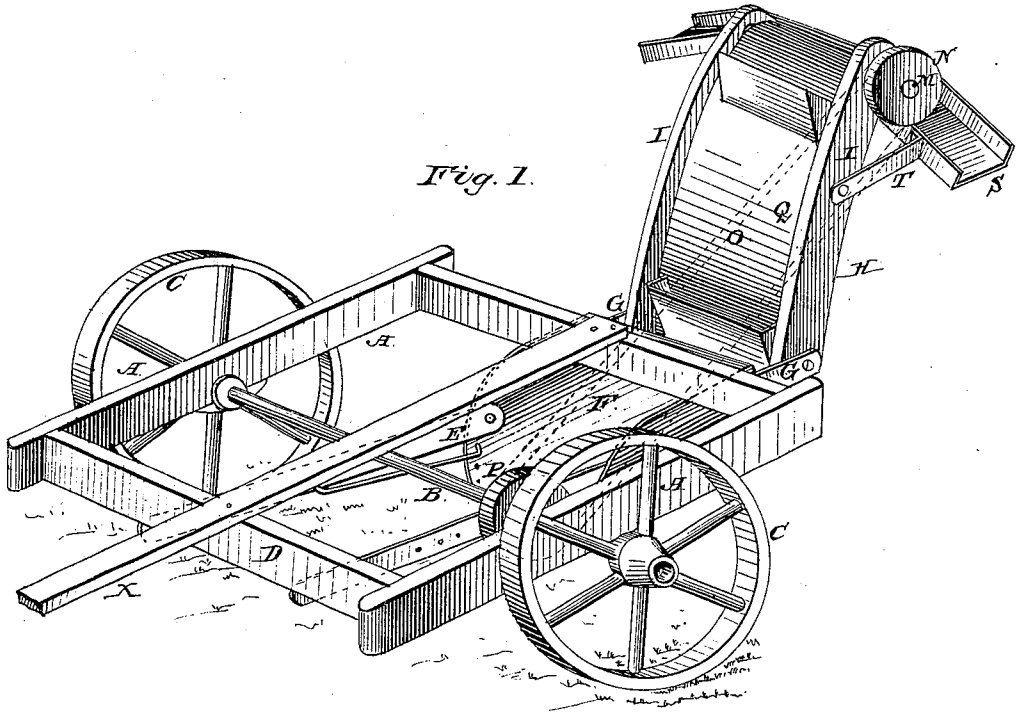
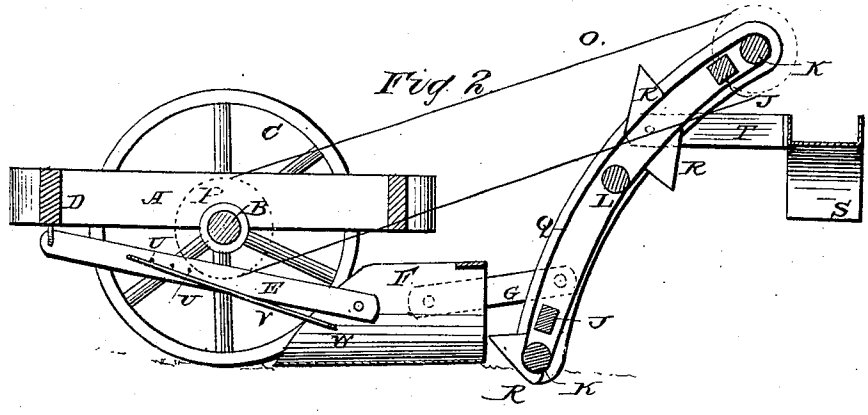


Fig 2.



WITNESSES

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UNITED STATES PATENT OFFICE.

SOLOMON H. SEIBERT, OF LANCASTER, ILLINOIS.

DITCHING-MACHINE.

SPECIFICATION forming part of Letters Patent No. 242,481, dated June 7, 1881.

Application filed April 5, 1881. (No model.)

To all whom it may concern:

Be it known that I, SOLOMON H. SEIBERT, of Lancaster, in the county of Cass and State of Illinois, have invented certain new and useful Improvements in Ditching-Machines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a perspective view, and Fig. 2 is a longitudinal vertical sectional view.

Similar letters of reference indicate corresponding parts in both figures.

This invention relates to ditching-machines; and it consists in certain improvements in the construction of the same, which will be hereinafter fully described, and particularly pointed out in the claims.

In the drawings hereto annexed, A represents a suitable frame mounted upon an axle, B, having wheels C C, one or both of which must be secured upon the axle, in order to cause the latter to revolve as the machine travels over the ground.

To the under side of the front beam, D, of the frame two beams or arms, E E, are hinged, as shown, in such a manner as to be capable of moving in a vertical plane. To the rear ends of said arms, which project in a rearward direction under the axle of the machine, is pivoted the scoop F, which may consist simply of a suitably curved and braced sheet of iron, substantially as represented in the drawings.

The scoop F is provided with rearward-projecting arms G G, between which is pivoted a frame, H, consisting of a pair of side pieces, I, slightly curved, as shown, and connected by braces J J.

At the upper and lower ends, and near the center of the frame, are journaled rollers K K L, and the shaft M of the upper roller K is provided with a pulley or band-wheel, N, connected, by a chain or band, O, with a pulley, P, mounted or keyed upon the axle B, as shown.

Q is an endless apron traveling upon the rollers K K and supported upon the roller L, and provided with buckets R, which receive the dirt from the rear end of the scoop and carry it to a pair of inclined chutes, S S, secured by brackets T upon the rear side of frame H, and which dump or drop the dirt upon the sides of the ditch.

The arms E are each provided with a series of perforations, U, which are to be connected by adjustable hooked rods V with similar perforations W in the front edge of the scoop, thus enabling the latter to make a deep or shallow furrow or ditch, as circumstances shall require.

The frame H is held in position by the band O.

The tongue or pole X, which extends longitudinally across the frame, may be provided with means for attaching a seat for the driver.

From the foregoing description, taken in connection with the drawings hereto annexed, the operation of my invention will be readily understood. It is simple, inexpensive, and easily operated.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. In a ditching-machine, the combination, with a suitable carrying-frame, A, of the hinged arms E E, pivoted scoop F, and adjustable connecting-rods V, substantially as and for the purpose set forth.

2. As an improvement in ditching-machines, the combination of the axle B, having wheels C C and pulley P, frame A, having hinged arms E, scoop F, connecting-rods V V, and the elevator-frame H, pivoted between brackets projecting rearward from the scoop, all arranged and operating substantially as and for the purpose set forth.

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

SOLOMON HENRY SEIBERT.

Witnesses:

DAVID SEIBERT,

REUBIN SEIBERT.