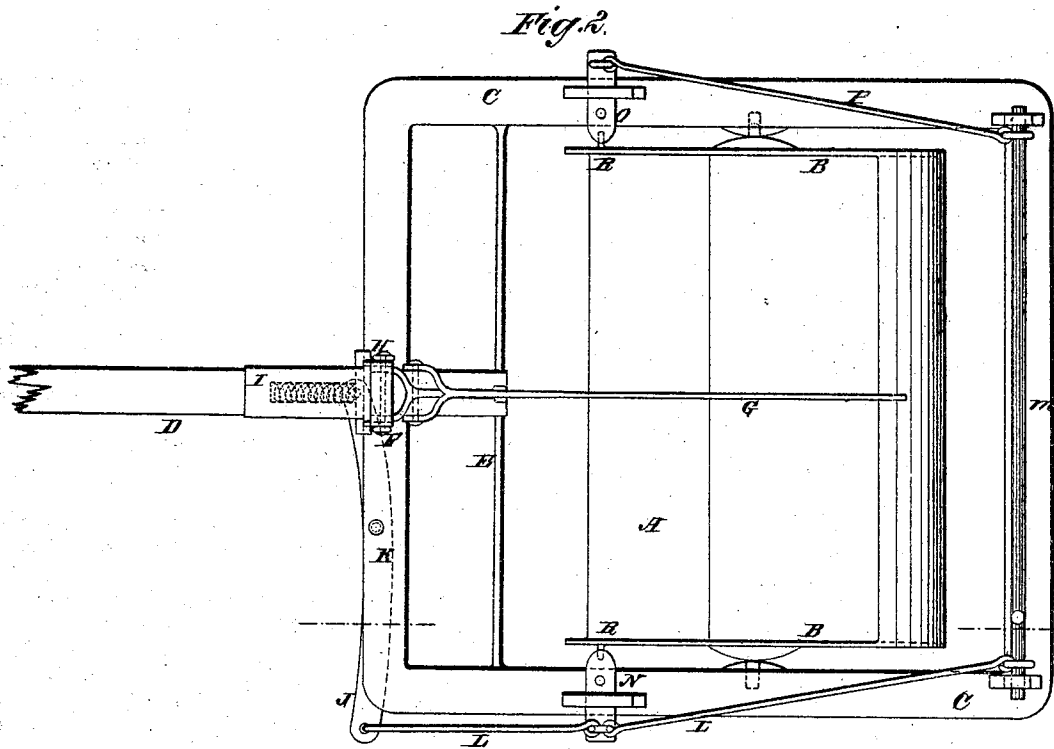
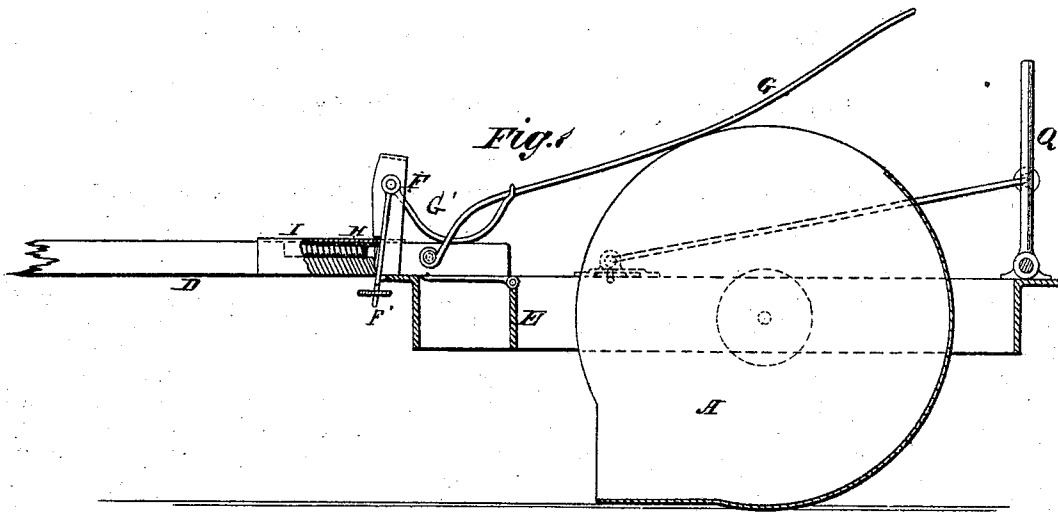


W. J. WEBB.
Revolving Scrapers.

No. 152,203.

Patented June 16, 1874.



WITNESSES:

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WILKINS J. WEBB, OF BUTLER, ILLINOIS.

IMPROVEMENT IN REVOLVING SCRAPERS.

Specification forming part of Letters Patent No. **152,203**, dated June 16, 1874; application filed April 18, 1874.

To all whom it may concern:

Be it known that I, WILKINS J. WEBB, of Butler, in the county of Montgomery and State of Illinois, have invented a new and useful Improvement in Revolving Scrapers, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claims.

In the accompanying drawing, Figure 1 is a side elevation of the improved scraper, partly in section, looking from the line *x x* of Fig. 2. Fig. 2 is a top or plan view.

Similar letters of reference indicate corresponding parts.

A is the scraper, which is of semicircular form, having circular heads B B. C is a surrounding frame, to which the scraper is attached by means of gudgeons in the center of the heads, with suitable bearings in the frames, as seen in Fig. 2. D is the tongue, which is hinged to the cross-piece E of the frame. F is a box-guide attached to the forward end of the frame, through which the tongue passes, and in which it is made adjustable as to height. The position of the scraper in reference to the frame is governed by the long lever G, which extends back over the scraper, and is controlled by the attendant who walks behind. The tongue is released by means of the spring-plate H, which slides on the tongue beneath the holding-plate I, and is thrown from shoulders in the box-guide F, under which the spring forces it, by means of the curved lever J, whose fulcrum is at K, on the front part of the frame. This lever J is operated from the rear by means of the rod connection L, which is attached to an arm on the rock-shaft *m*, which shaft rests on the top of the rear end of the frame. This rod L is in two parts, which are attached to the pivoted catch N. On the opposite side of the frame is a similar pivoted catch, O, which is operated by the connecting-rod P, which is attached to an arm on the other end of the rock-shaft. Q is an upright lever attached to the rock-shaft, by means of which the shaft is rocked or turned, and the curved lever and catches are operated. At-

tached to the outside of each head of the scraper is a pin, R. (See Fig. 2.) These pins come in contact with the catches N, O when the scraper is filling, and when the scraper is loaded it is prevented from revolving by the pins and catches, until the load is conveyed to the desired location to be dumped. When this point is obtained, the catches are thrown from under the pin by turning the rock-shaft, which is done by drawing back the lever Q. This allows the scraper to revolve and deposit its load, and then to serve as the wheels of a cart in moving it back to its work.

I do not confine myself to the precise form and arrangement of all the parts of the scraper, as variations may be made in the details, whereby the same or similar results may be obtained without departing from my invention; nor do I confine myself to any particular size, proportion, or kind of materials.

The advantages are, that one man with this scraper is enabled to do the work of two men with the ordinary scraper, and to govern the scraper so as to skim the surface of the soil to any required depth, which two men with the common scraper find it difficult if not impossible to do.

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

1. The combination, with the mechanism for allowing the scraper to turn with its contents, of the strap L, lever J, and yoke F', whereby the tongue is unlocked and allowed to rise at the same time that the scraper turns.

2. The combination of spring-catch H, plate I, and shouldered guard F, to enable the tongue to be locked and unlocked.

3. The combination of long lever G and end-forked lever G', the former pivoted to tongue and the latter to guide H, to enable the tongue to be forced down by the attendant.

WILKINS J. WEBB.

Witnesses:

GEORGE W. BROWN, Jr.,
JAMES JUDD.