

F. T. WILSON & G. W. HALL.
Road-Scrapers.

No. 205,937.

Patented July 9, 1878.

Fig. 1.

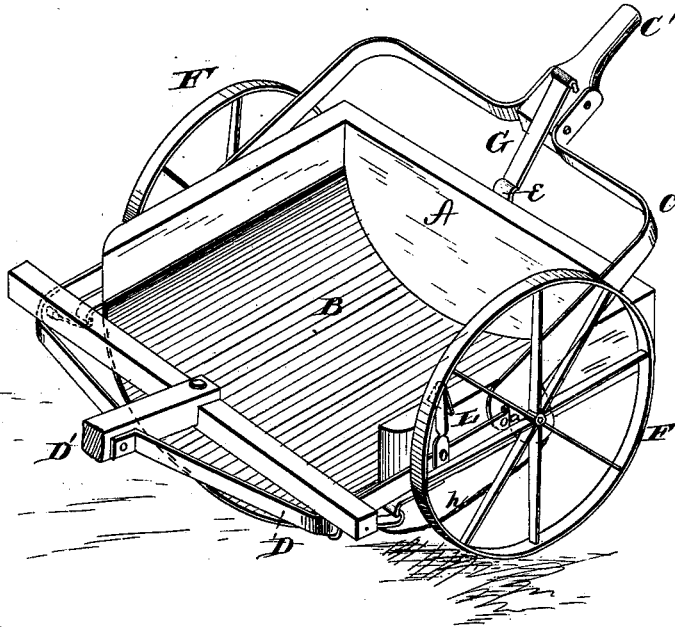
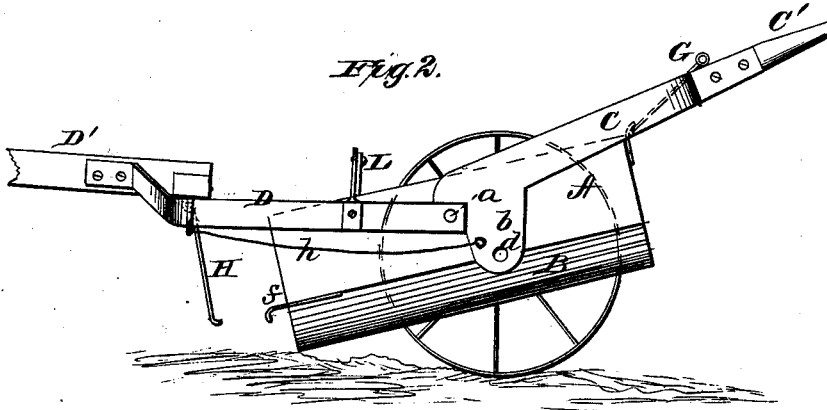


Fig. 2.



WITNESSES
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FRANCIS T. WILSON AND GEORGE W. HALL, OF NEVADA, IOWA.

IMPROVEMENT IN ROAD-SCRAPERS.

Specification forming part of Letters Patent No. **205,937**, dated July 9, 1878; application filed March 12, 1878.

To all whom it may concern:

Be it known that we, FRANCIS TAYLOR WILSON and GEORGE WASHINGTON HALL, of Nevada, in the county of Story, and in the State of Iowa, have invented certain new and useful Improvements in Road-Scrapers; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, making a part of this specification.

The nature of our invention consists in the construction and arrangement of a mounted rotary scraper, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which our invention appertains to make and use the same, we will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of our road-scraper. Fig. 2 is a side elevation thereof.

A represents the frame, to which the curved bottom B is secured. The frame A is, by means of a pin or bolt, *a*, on each side, pivoted and suspended in a lever-frame, C, which extends rearward and is attached to the handle C'. On the pins or bolts *a* is also pivoted a frame, D, which extends forward and has the tongue D' secured to it. The front ends of the side arms of the lever or handle frame C have downward projections *b*, in which are secured the spindles *d*, for the wheels F, as shown.

When the handle-frame C is depressed the scraper is raised upon the wheels, and held from tilting backward by a latch, G, on the handle C' taking under a projection, *e*, on the back of the scraper-frame A. This is the position when the scraper is filled and is being moved to the place for emptying.

In scraping, the wheels F are elevated by throwing up the lever-frame C, the latch G having first been moved from under the catch *e*, and the scraper rests upon the ground. The scraper is then held in position by means of two hooked arms, H, hinged to the front frame D, and catching upon catches *f*, at the front end of the scraper. The hooked arms H are, by means of cords or chains *h*, connected to the projections *b* of the lever-frame C, in such a manner that the upward throw of said frame to raise the wheels also applies said arms to the catches *f*.

When the lever-frame C is lowered the chains or cords *h* slacken, and the arms drop away from the catches *f*.

L is a pivoted latch to hold the scraper from tilting backward when filled and while being moved.

To empty the scraper, raise the lever-frame C without disengaging the latch G, and the scraper will be tilted forward. Then, by moving ahead, the front edge of the scraper takes hold of the ground, and the scraper is turned upside down on its pivots.

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

The combination, with the scraper A B, lever-frame C, wheels F, and front frame D, of the hinged hook-arms H, catches *f*, and cords or chains *h*, substantially as and for the purposes herein set forth.

In testimony that we claim the foregoing we have hereunto set our hands this 26th day of January, 1878.

FRANCIS TAYLOR WILSON.

GEORGE WASHINGTON HALL.

Witnesses:

N. A. RAINBOLT,

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