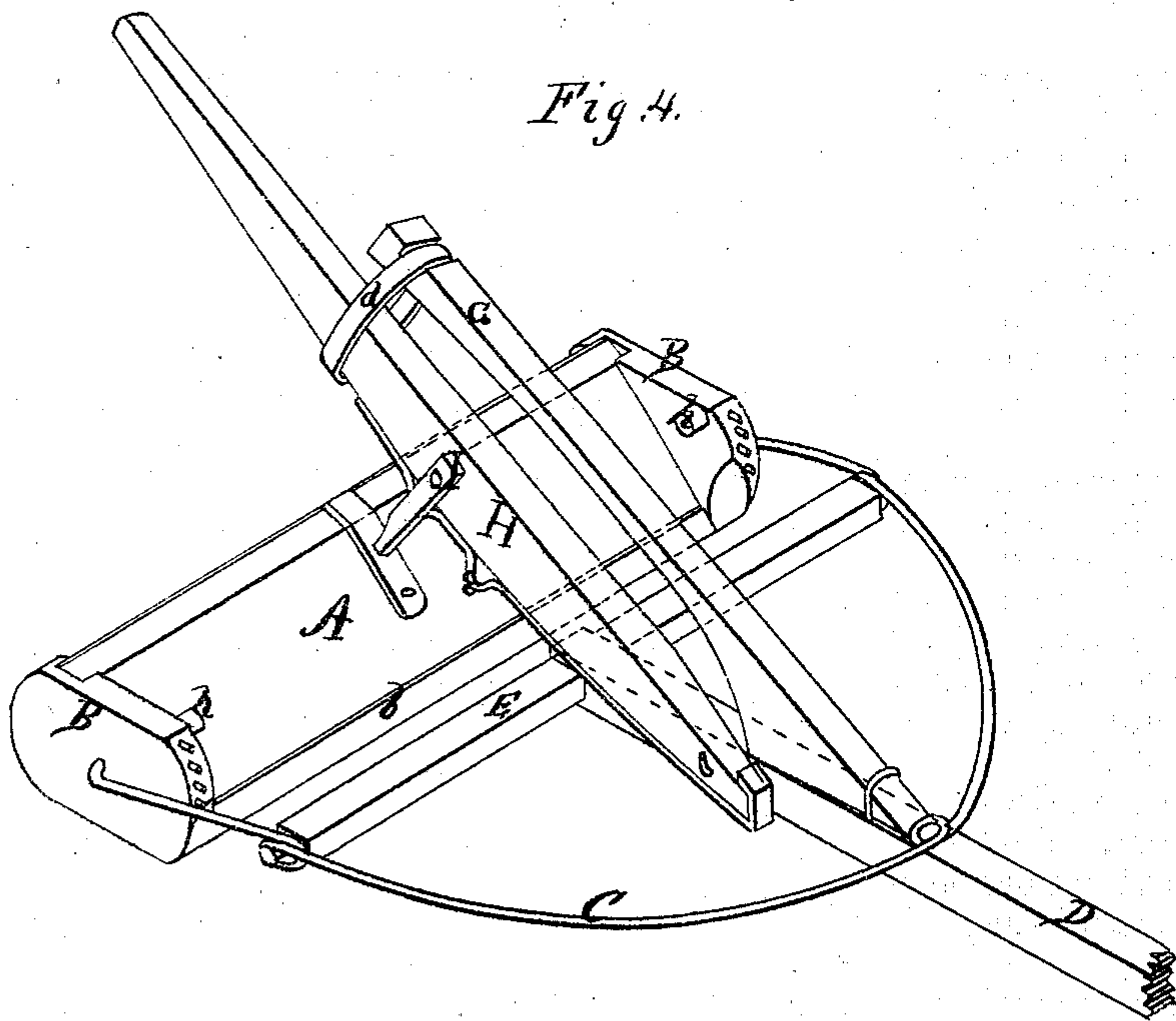


WILLIAM S. WORLEY.

Improvement in Road Scrapers.

No. 120,559.

Patented Oct. 31, 1871.



Witnesses:

Henry N. Miller
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UNITED STATES PATENT OFFICE.

WILLIAM S. WORLEY, OF ARCOLA, ILLINOIS.

IMPROVEMENT IN ROAD-SCRAPERS.

Specification forming part of Letters Patent No. 120,559, dated October 31, 1871.

To all whom it may concern:

Be it known that I, WILLIAM S. WORLEY, of Arcola, in the county of Douglas and in the State of Illinois, have invented certain new and useful Improvements in Road-Scraper; and do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawing and to the letters of reference marked thereon making a part of this specification.

The nature of my invention consists in the construction and arrangement of a road-scraper, as will be hereinafter more fully set forth.

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

Figure 1 is a side view, and Fig. 2 a plan view of my road-scraper. Fig. 3 is a cross-section through the revolving portion of the same. Fig. 4 represents a perspective view of my road-scraper.

A represents the revolving bottom, provided at each end with a wheel, B, constructed substantially in the elliptic form shown in Fig. 1. These wheels are at both ends provided with spikes *a a*, to catch in the ground and cause the wheels and bottom to revolve, when desired. The bottom A has on each side, at opposite edges, a metal strip, *b*, to prevent wear on the bottom itself. The wheels B B are on the inwardly-turned ends of a rod, C, the center of which is attached to the tongue D. The two ends of the rod C are, in front of the wheels B B, braced by a bar, E.

To the upper side of the tongue D is attached a wooden or metal spring-bar, G, the rear end of which is, by a rubber band, *d*, connected with a lever, H. This lever H is pivoted to the side of the tongue D, and is, on its under side, provided with a double catch, *e*, that will hold the revolving bottom in proper position either to load or level, by the operator pressing down upon the lever. On the bottom A are metal plates *f*, to prevent wear from the catch *e*. To the lever H is pivoted a bar, *I*, to be used, if necessary, in holding the scraper in position when loading. On the inner sides of the wheels B B are placed rollers *h h*, so that the loaded scraper may be drawn much easier.

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

1. The combination of the bottom A with strips *b b* and plates *f f*, and the wheels B B with spikes *a a* and rollers *h h*, all substantially as and for the purposes herein set forth.

2. In combination with the above, the rod C, tongue D, brace E, spring G, rubber *d*, lever H, and double catch *e*, all constructed and arranged substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 27th day of July, 1871.

WILLIAM S. WORLEY.

Witnesses:

W. L. BOYD,
CHAS. W. BURTON.

(51)