

J. WILLIAMS.
Farm, Street, and Road Scraper.

No. 216,074.

Patented June 3, 1879.

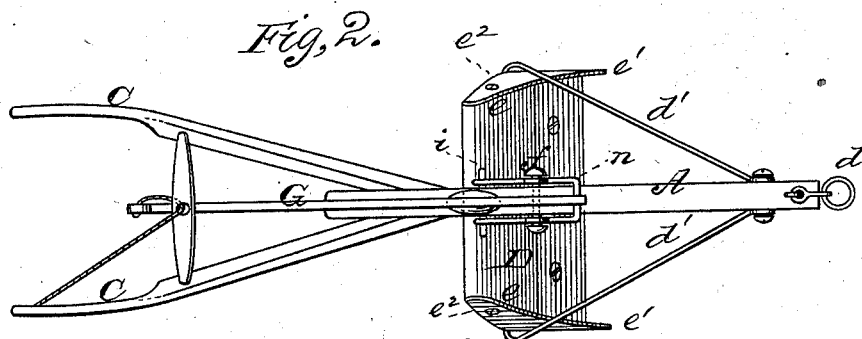
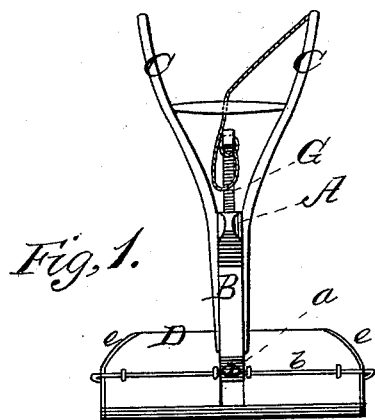


Fig. 3.

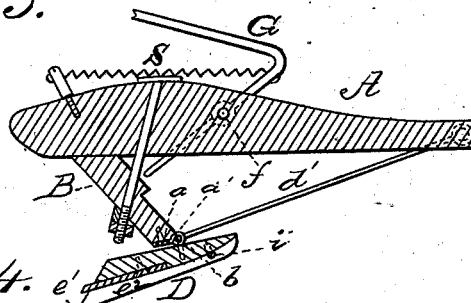
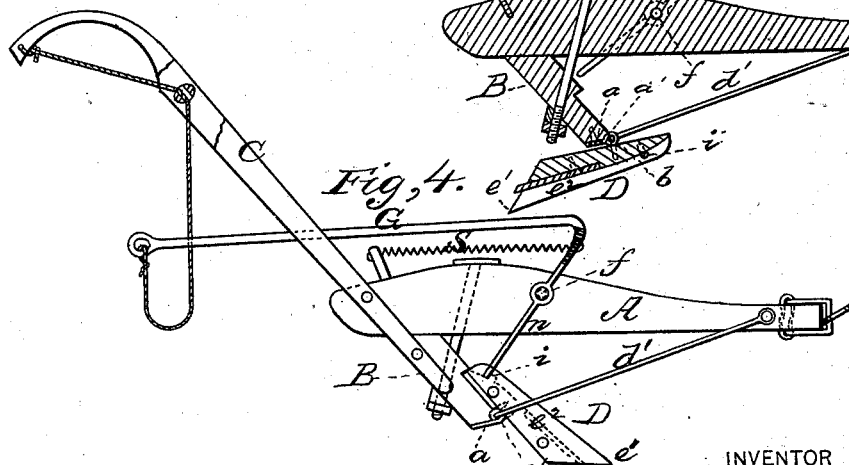


Fig. 4.



WITNESSES

Vallette Anderson
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INVENTOR

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UNITED STATES PATENT OFFICE.

JEPHTHA WILLIAMS, OF UTICA, KENTUCKY, ASSIGNOR OF ONE-HALF HIS RIGHT TO WESLEY EUGENE BARKER AND SARAH ANNETT BARKER, OF SAME PLACE.

IMPROVEMENT IN FARM, STREET, AND ROAD SCRAPERS.

Specification forming part of Letters Patent No. **216,074**, dated June 3, 1879; application filed December 14, 1878.

To all whom it may concern:

Be it known that I, JEPHTHA WILLIAMS, of Utica, in the county of Daviess and State of Kentucky, have invented a new and valuable Improvement in Farm, Street, and Road Scrapers; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a rear-end view of my improved scraper. Fig. 2 is a top view thereof. Fig. 3 is a longitudinal vertical section, and Fig. 4 is a side view, of the same.

This invention has relation to improvements in road, street, and farm scrapers, the object of which is to level roads and streets, and to do general work of a similar nature upon farms.

The nature of the invention consists in the construction and novel arrangement of parts, as hereinafter shown and described.

In the annexed drawings, the letter A designates a beam; B, its standard, and C the guiding-handles, not differing in construction and arrangement from those of an ordinary plow. At the lower end of the standard is rigidly secured a heel-plate, *a*, having on its front edge a transverse sleeve, *a'*, in which is journaled a metallic rod, *b*. This rod is rigidly secured to the scraping-board D by means of suitable attachments, usually eye-bolts or staples, and its ends are bent forward and rigidly secured to the beam in rear of its clevis *d*, forming braces *d'*, that hold the said board against displacement. The ends of this board are beveled off, as shown at *e*, the object of this construction being to allow it to turn relative to the standard and to the front without interfering with the braces *d'*.

The rod *b* extends across the scraping-board at about the middle of its length, and is in one piece usually with the braces *d'*.

At each end of the board D are secured the metallic side pieces, *e'*, the lower ends of which are beveled off and pointed, as shown at *e'*, for a purpose hereinafter explained.

The board D may be made of wood or metal, or of a combination thereof, and its hinge-connection with the standard allows it to swing from the position shown in Fig. 4 to that illustrated in Fig. 3, these positions being, respectively, the working and dumping ones of said board.

G indicates an angular vertically-vibrating locking-lever, the forked end *n* of which straddles the beam in a rearwardly-inclined position, and is fulcrumed thereon at *f*, above the scraper, and the power-arm of which extends between the handles C. The extremities of the forked portion of this lever bear against the scraping-board near its upper edge, and rest against a stop-ledge, *i*, formed thereon in any suitable manner. While thus engaged the lever G prevents the board from rotating; but when a sufficient load has been gathered up by the same it will rotate to the front into the position shown in Fig. 3, when the power-arm of lever G is raised and its forked end disengaged from it, thus dumping its load. By then drawing the device back a few feet, first depressing the handles C, the points *e'* of the side pieces, *e'*, take hold on the ground, and cause the board to turn back to its working position. In thus turning back, the board strikes against the forked ends of lever G, causing them to swing back out of the way until the said board bears upon the standard B, when they are thrown automatically into engagement with said board against the stop-ledge *i* by the reaction of a spiral spring, S, secured at one end to the beam and at the other to the said lever above its fulcrums.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, with beam A and standard B, having heel-plate *a* and transverse sleeve *a'*, of a rod, *b*, extending through said sleeve, carried to the front, and secured to

said beam to form braces, and the scraper D, secured to said rod between the said braces, substantially as specified.

2. The combination, with the plow-standard B and converging braces d' , of the scraper D, swung to said standard, and having beveled ends e , substantially as specified.

3. A rotary scraper, D, having end guards, e^2 , provided with bevel-pointed ends e^1 , pro-

jecting in front of the scraper-edge, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

JEPHTHA WILLIAMS.

Witnesses:

WESLEY E. BARKER,

JOHN W. LLOYD.