

F. W. SCHULZ.
ROAD-SCRAPER.

No. 171,433.

Patented Dec. 21, 1875.

Fig 1

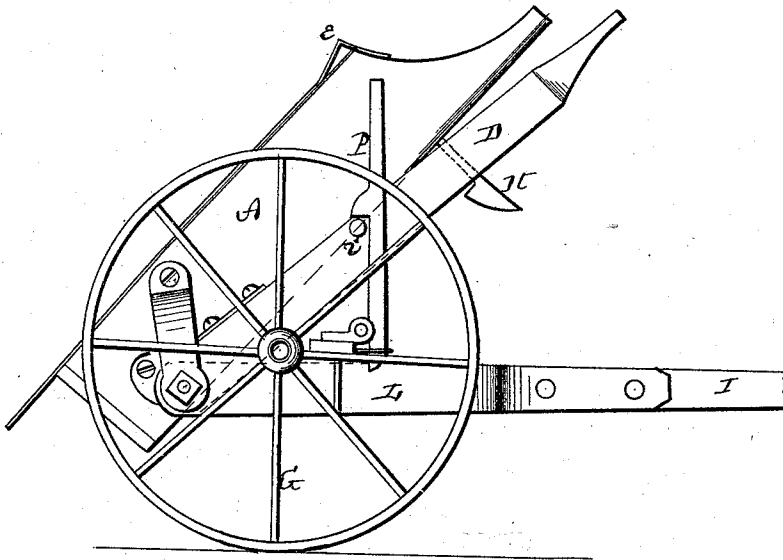
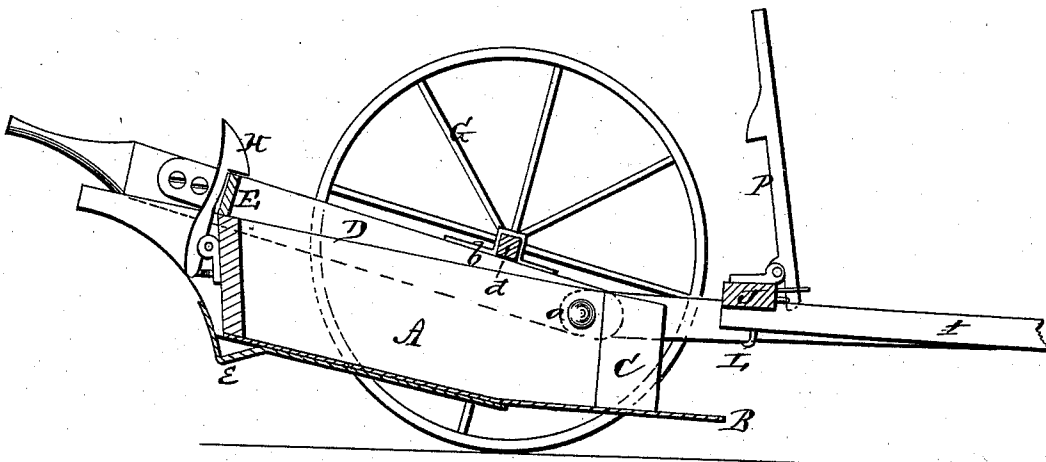


Fig 2



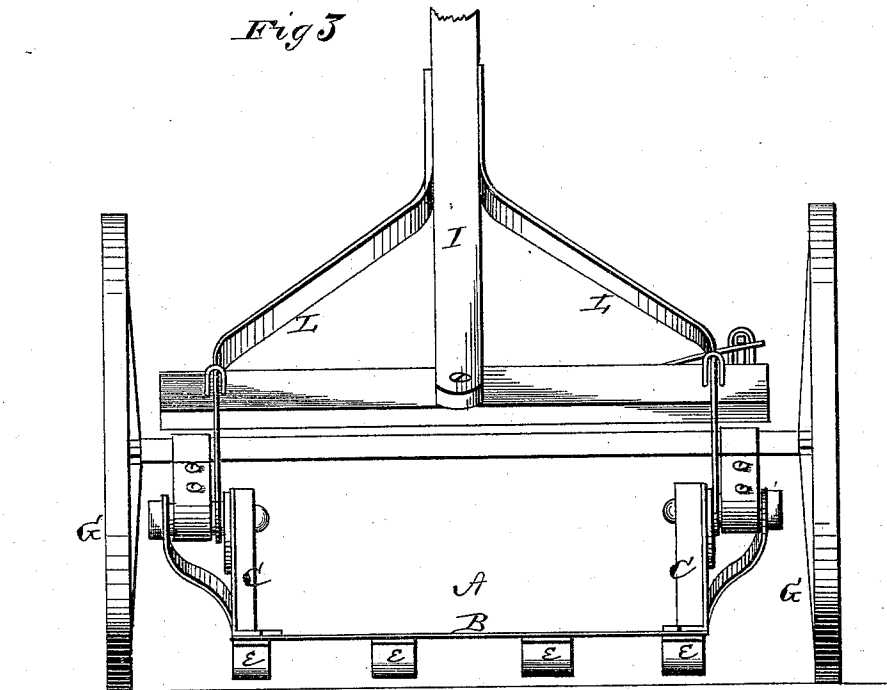
WITNESSES
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UNITED STATES PATENT OFFICE.

FRIEDRICH W. SCHULZ, OF MOUNT PLEASANT, IOWA.

IMPROVEMENT IN ROAD-SCRAPERS.

Specification forming part of Letters Patent No. **171,433**, dated December 21, 1875; application filed November 18, 1875.

To all whom it may concern:

Be it known that I, FRIEDRICH W. SCHULZ, of Mount Pleasant, in the county of Henry 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 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 drawings, in which—

Figure 1 is a side elevation of my road-scraper, showing the same turned over for moving from place to place. Fig. 2 is a longitudinal section of the same in position for use. Fig. 3 is a front view of the road-scraper with the tongue elevated.

A represents the scraper-box, with cutter B along the front edge of the bottom. On the sides of the scraper-box, at the front end, are fastened vertical cutters C C, for cutting or grading the sides of the road-bed. The scraper-box A is hung near its front end upon bolts *a a*, to the front ends of handles D D, which are connected near their rear ends by a cross-bar, E, and in suitable boxes or bearings *b b* on the top of said handles is placed a square axle,

d, having a wheel, G, upon each end, thus supporting the road-scraper on said wheels. On the bottom of the scraper-box A, at the rear end, are formed or attached shoes *ee*, as shown, to prevent wear of the box when in use. On the rear of the scraper is a spring-hook, H, to catch on the cross-bar or bail E of the handles, for holding it when the scraper is loaded. I is the tongue, having a cross-bar, J, at its rear end, and metal straps L L extending from the tongue under and in rear of the ends of said cross-bar, and the extreme ends of said straps are placed upon the pivot-bolts *a a*. Near one end of the cross-bar J is pivoted a spring-hook, P, which is to catch on a pin, *i*, projecting from the side of the handle D, to hold the scraper when emptied. In operation it will be seen the scraper is raised and lowered at will by means of the handles D D, as the scraper is hung on a line away from the axle.

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

The spring-hook P, attached to the tongue cross-bar J, in combination with the handles D, pin *i*, scraper A, and hook H, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 18th day of October, 1875.

FRIEDRICH W. SCHULZ.

Witnesses:

JNO. S. WOOLSON,
JOHN A. BROWN.