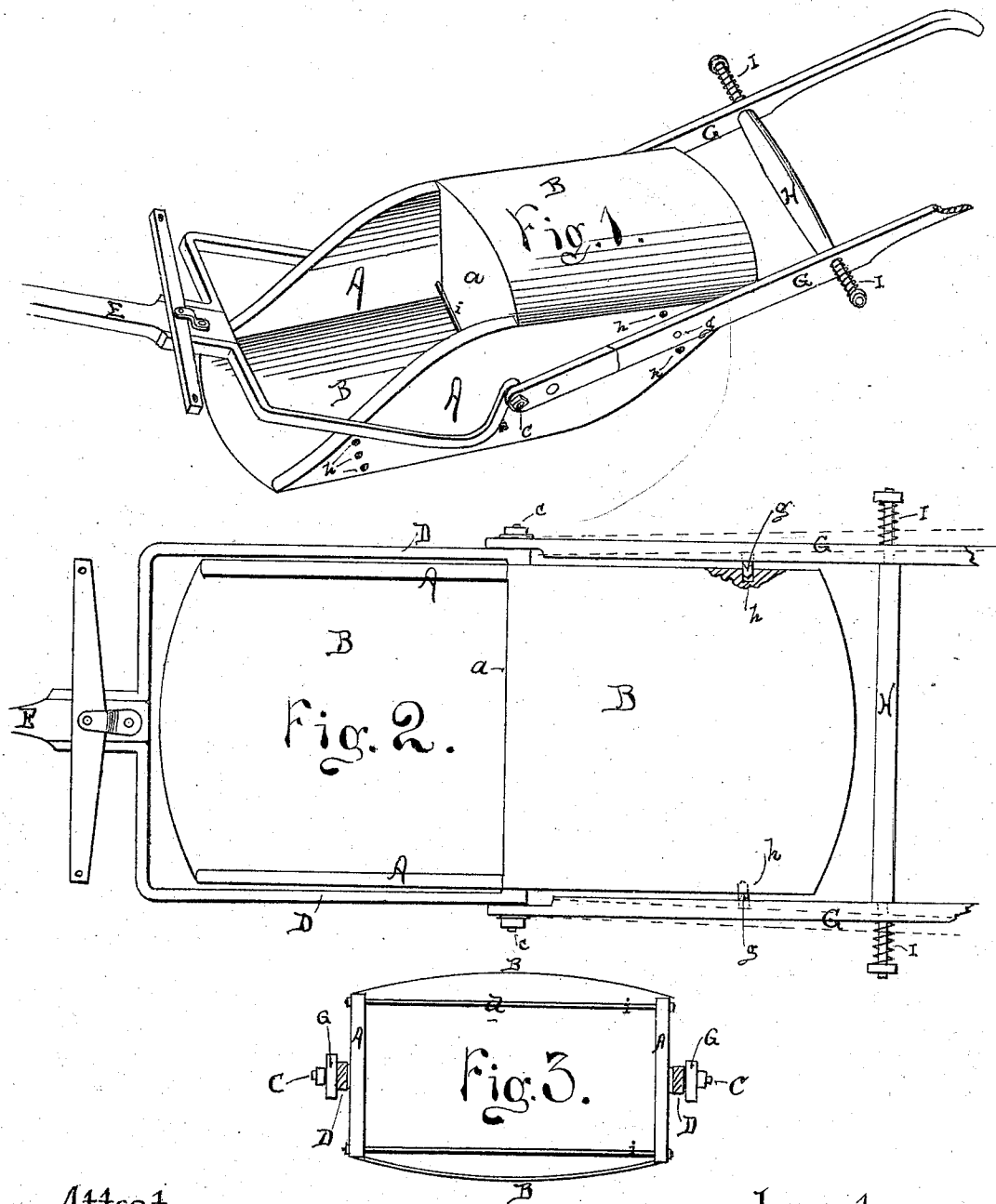


W. C. ROSE.
Road-Scrapers.

No. 147,433.

Patented Feb. 10, 1874.



Attest
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UNITED STATES PATENT OFFICE.

WASHINGTON C. ROSE, OF MAROA, ILLINOIS.

IMPROVEMENT IN ROAD-SCRAPERS.

Specification forming part of Letters Patent No. **147,433**, dated February 10, 1874; application filed October 28, 1873.

To all whom it may concern:

Be it known that I, WASHINGTON C. ROSE, of Maroa, in the county of Macon and State of Illinois, have invented a new and useful Improvement in Road-Scrapers; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, in which—

Figure 1 is a perspective view of my scraper. Fig. 2 is a plan view of the same. Fig. 3 is an end elevation of the same.

This invention relates to an improvement in that class of road-scrappers which are double-ended and constructed to revolve for the purpose of dumping the contents; and it consists, first, in the manner of arranging and operating the stops whereby the scraper is held in position or liberated and permitted to rotate; second, in the form of the cutting-edge of the scraper; and, third, in the form of the hounds.

That others may fully understand my improvement, I will particularly describe it.

The side pieces A A are lozenge-shaped in general form, and united by a cross-board, *a*, extending from one to the other, and transversely across midway from point to point. This cross-board *a* I prefer to make curved also along its edge, as shown. The bottom B of the scraper may be made of sheet metal of some suitable kind, nailed fast to the side pieces A and cross-board *a*, along one edge thereof, extending from the point back to said cross-board, and a similar piece of metal, B, is similarly fastened to the opposite edges of said side pieces and cross-board, extending from the opposite ends, so that whichever end may be forward it will present a scraper-edge and receptacle back thereof between the side pieces and the cross-board. The edge of the cross-board *a* is curved, so that the cutting-edge of the plate B may be curved or gouge-shaped, and thereby enabled to enter the soil more easily than if straight. At the center of each side-board A there is affixed a stud, C, and upon said studs the hounds D are mounted to connect the draft-pole or tongue E, so that whichever end may be forward the draft will be the same. The hounds are made curved, as shown,

so that they may extend downward from the centers or studs C along the sides of boards A, and serve to stiffen the same against the strains incident to the use of the apparatus. The handles G are pivoted to the studs C, outside of the hounds D, and they are provided with pins *g*, which engage in holes, *h*, suitably located in the side-boards A, near their ends, so that the side-boards and handles are locked together by said pins, and the scraper may then be managed by means of said handles. The pins *g* may be withdrawn from their holes by the separation of the rear ends of the handles, and the scraper will then revolve upon the stud C, and the contents thereof be discharged, while the opposite end comes to the front and commences to gather a load. Just in rear of the ends of the side-boards A a round, H, is placed between the hounds G, with the ends of said rounds extending through holes in said handles to a distance sufficient to permit the placing of springs I upon said round, outside of said handles, for the purpose of pressing the same toward each other and keeping the pins *g* always in engagement with their holes. To adjust this apparatus to suit the stature of the operative, or to adjust the depth to which it should penetrate, a series of holes, *h*, may be employed, in either set of which the pins *g* may be permitted to gather. Tie-bolts *i i* are placed near the edges of the cross-board to bind the side-boards firmly together.

Having described my improvement, what I claim as new is—

1. A revolving road-scraper, constructed with concave bottom and gouge-shaped cutting-edge, as set forth.

2. In combination with the revolving scraper and the handles G, pivoted thereto, and provided with stop-pins *g*, as set forth, the round H and exterior springs I, arranged to operate as and for the purpose described.

3. The hounds D, pivoted to the side-boards A, and bent downward, in the manner shown, and for the purpose set forth.

WASHINGTON C. ROSE.

Witnesses:

H. B. SMITH,
JOHN D. GRADY.