

(No Model.)

G. GREGORY & G. AUSTIN.

ROAD SCRAPER.

No. 250,911.

Patented Dec. 13, 1881.

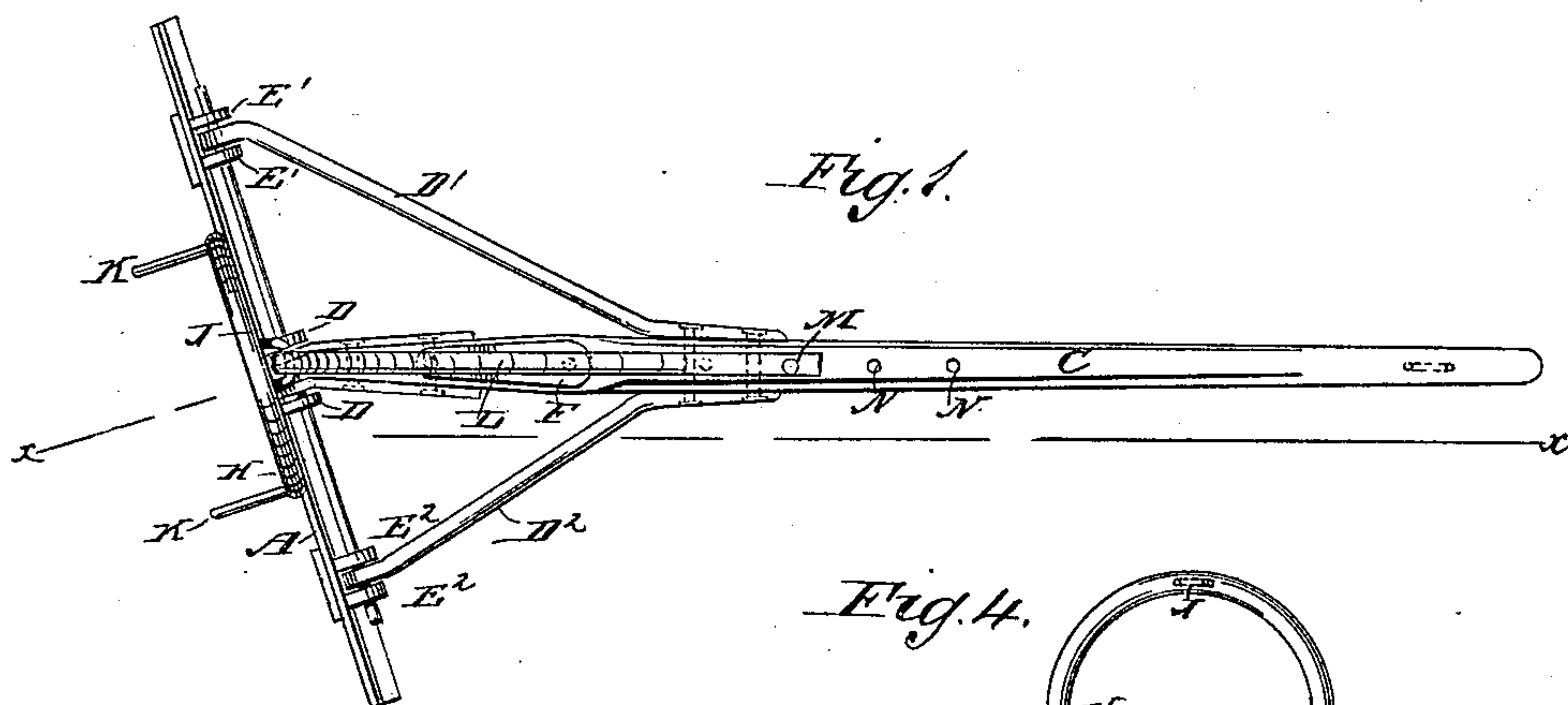


Fig. 1.

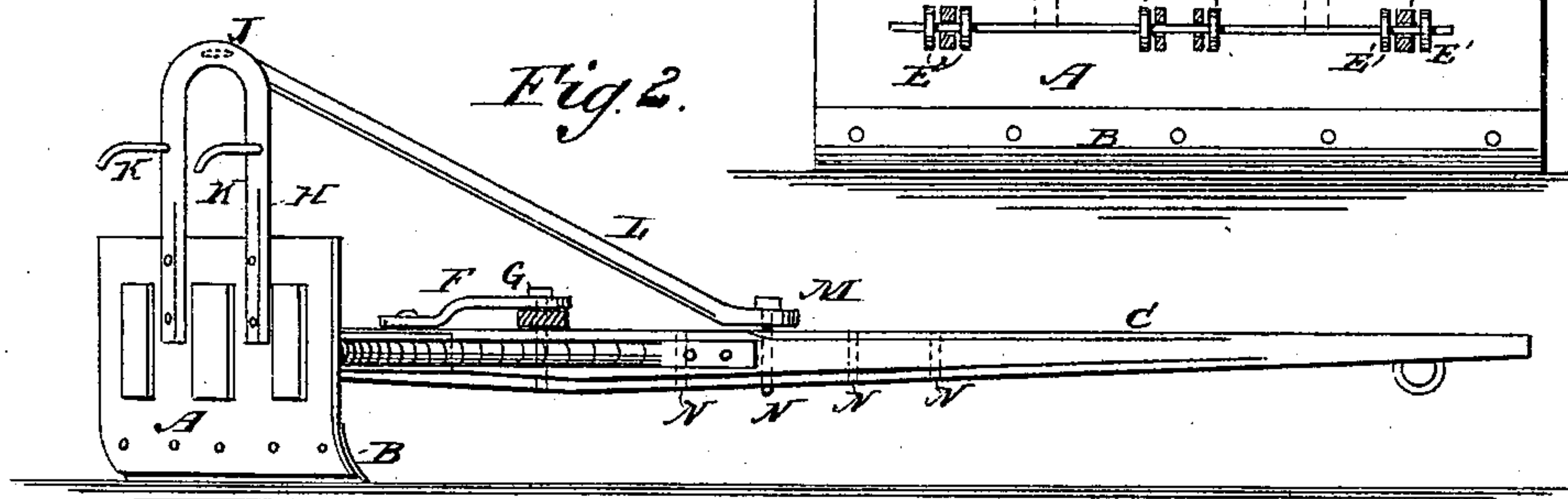


Fig. 2.

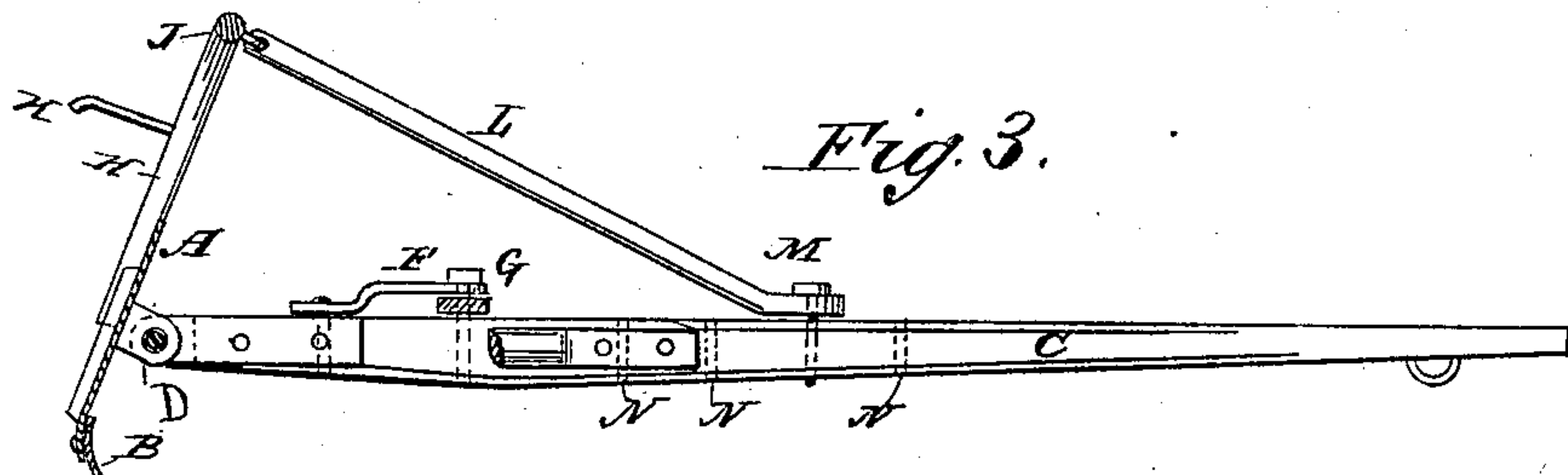
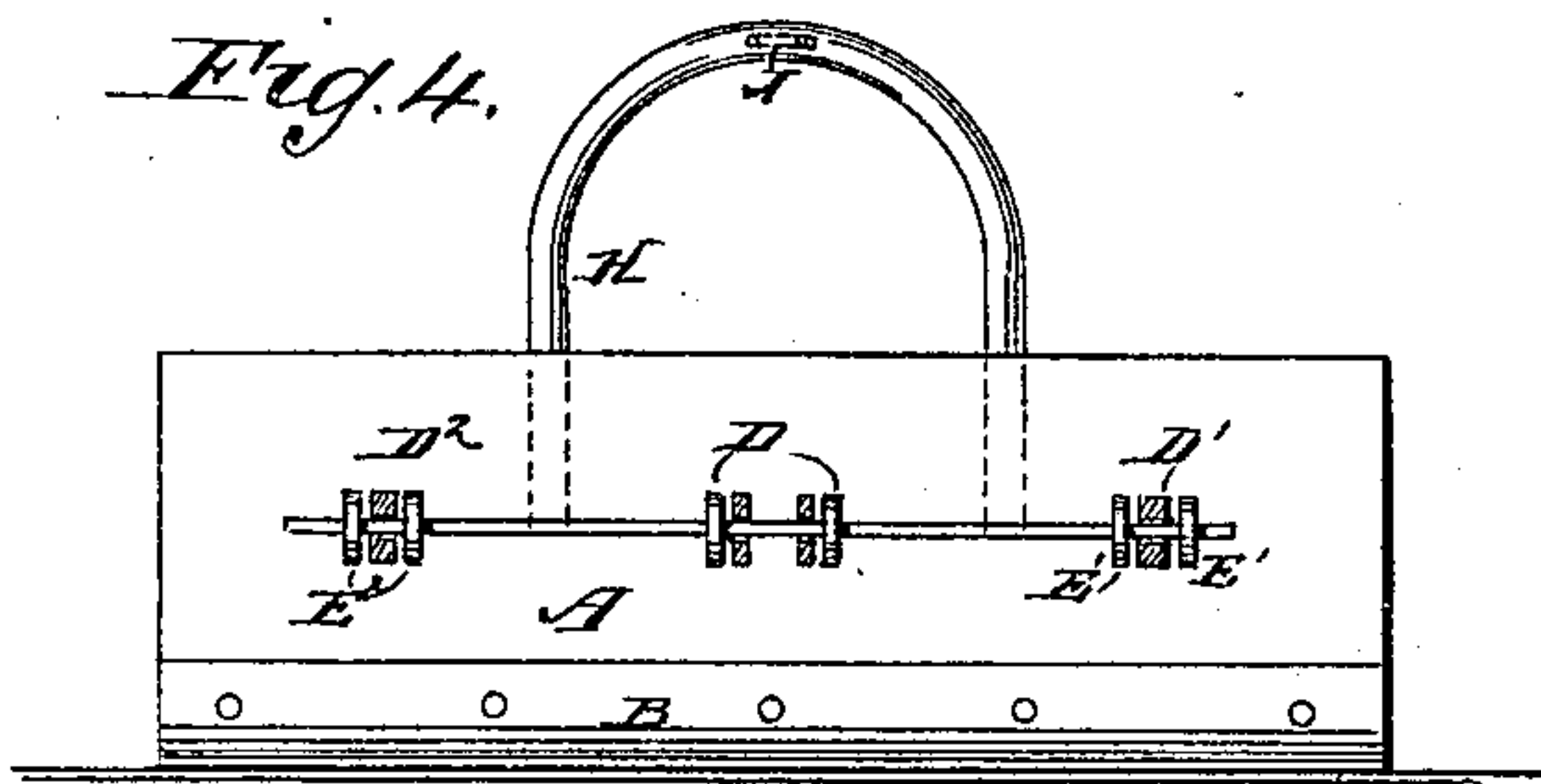


Fig. 3.

WITNESSES:

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GEORGE GREGORY AND GEORGE AUSTIN, OF SKANEATELES, NEW YORK.

ROAD-SCRAPER.

SPECIFICATION forming part of Letters Patent No. 250,911, dated December 13, 1881.

Application filed July 26, 1881. (No model.)

To all whom it may concern:

Be it known that we, GEORGE GREGORY and GEORGE AUSTIN, of Skaneateles, in the county of Onondaga and State of New York, have invented a new and Improved Road-Scraper, of which the following is a full, clear, and exact description.

The object of our invention is to provide a new and improved road-scraper which can be guided and directed very easily and can be adjusted in its inclination to the road.

The invention consists in a novel construction and arrangement of parts, as hereinafter fully described.

In the accompanying drawings, Figure 1 is a plan view of our improved scraper. Fig. 2 is a longitudinal elevation of the same. Fig. 3 is a cross-sectional elevation of the same on the line *x x*, Fig. 1. Fig. 4 is a front elevation of the same, parts being shown in section.

Similar letters of reference indicate corresponding parts.

In the drawings, the scraper-plate A, which is preferably made of sheet-iron, is provided at its lower edge with a removable scraper-blade, B, made of steel. A draft-pole, C, is pivoted to the jaws D on the front side of the scraper-plate A in such a manner that the plate A will be horizontally inclined to the pole C, and the braces D' and D², of unequal length, at the rear end of the pole C; are pivoted to the jaws E' E² near the ends of the front of the plate A, so that this plate will be held at an angle to the draft-pole. The pole C is provided with a clevis, F, and bolt G, for attaching the draft-bar or whiffletree to the draft-pole. A U-shaped upright, H, is riveted or bolted to the rear side of the scraper-plate A, with the cross-piece J at the top, and this upright is provided with two handles, K K, projecting from the rear of the scraper. A brace-rod, L, is pivoted to the cross-piece J of the upright H, and a bolt, M, is passed through

the front apertured end of this rod L into one of a series of apertures, N, in the draft-pole C.

The operation is as follows: The scraper-plate A is inclined more or less to the ground by passing the bolt M through the apertured end of the pivoted brace L and one of the apertures N N in the pole C a greater or less distance from the end of the rod C, according to the inclination desired. During the operation the scraper is held and guided by the handles K K, which are provided for this purpose. The scraper is held firmly and stiffened by the three braces D', D², and L, and cannot be bent out of shape by obstructions that strike against it.

The depth the blade B is to cut into the ground can be adjusted by adjusting the inclination of the scraper,

If the scraper-blade B is dulled, it can be removed very easily to be sharpened or replaced by another blade.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

1. The combination, with the scraper-plate A, provided with the jaws D E' E² and the U-shaped upright H, having handles K, of the draft-pole C, provided with apertures N, the braces D' D², of unequal length, rigidly secured to the sides of the draft-pole, the pivoted brace-rod L, and the pintle M, substantially as herein shown and described.

2. The combination, with the scraper-plate A, of the hinged draft-bar C, provided with a series of apertures, N, the U-shaped upright H, the pivoted brace L, and the pintle M, substantially as herein shown and described, and for the purpose set forth.

GEORGE GREGORY.
GEORGE AUSTIN.

Witnesses:

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