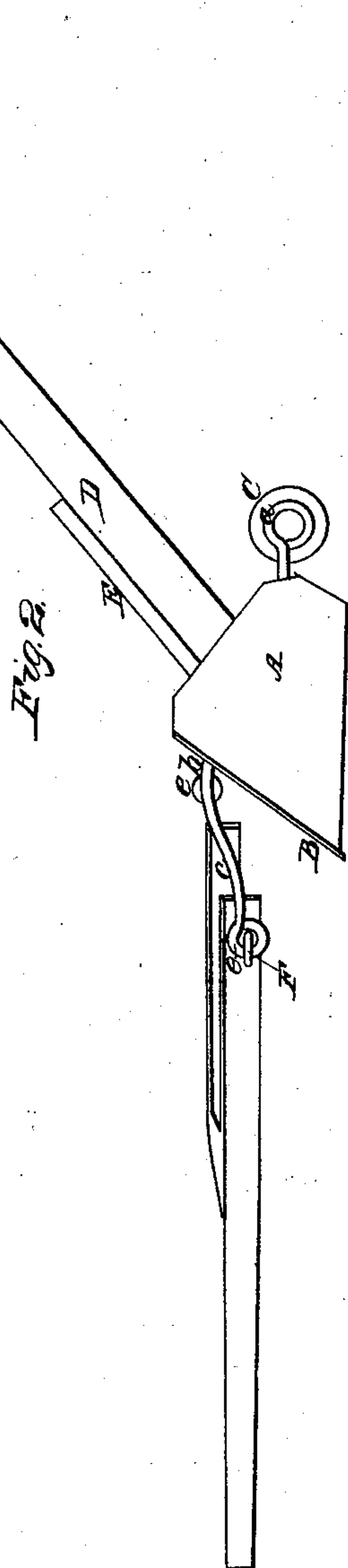
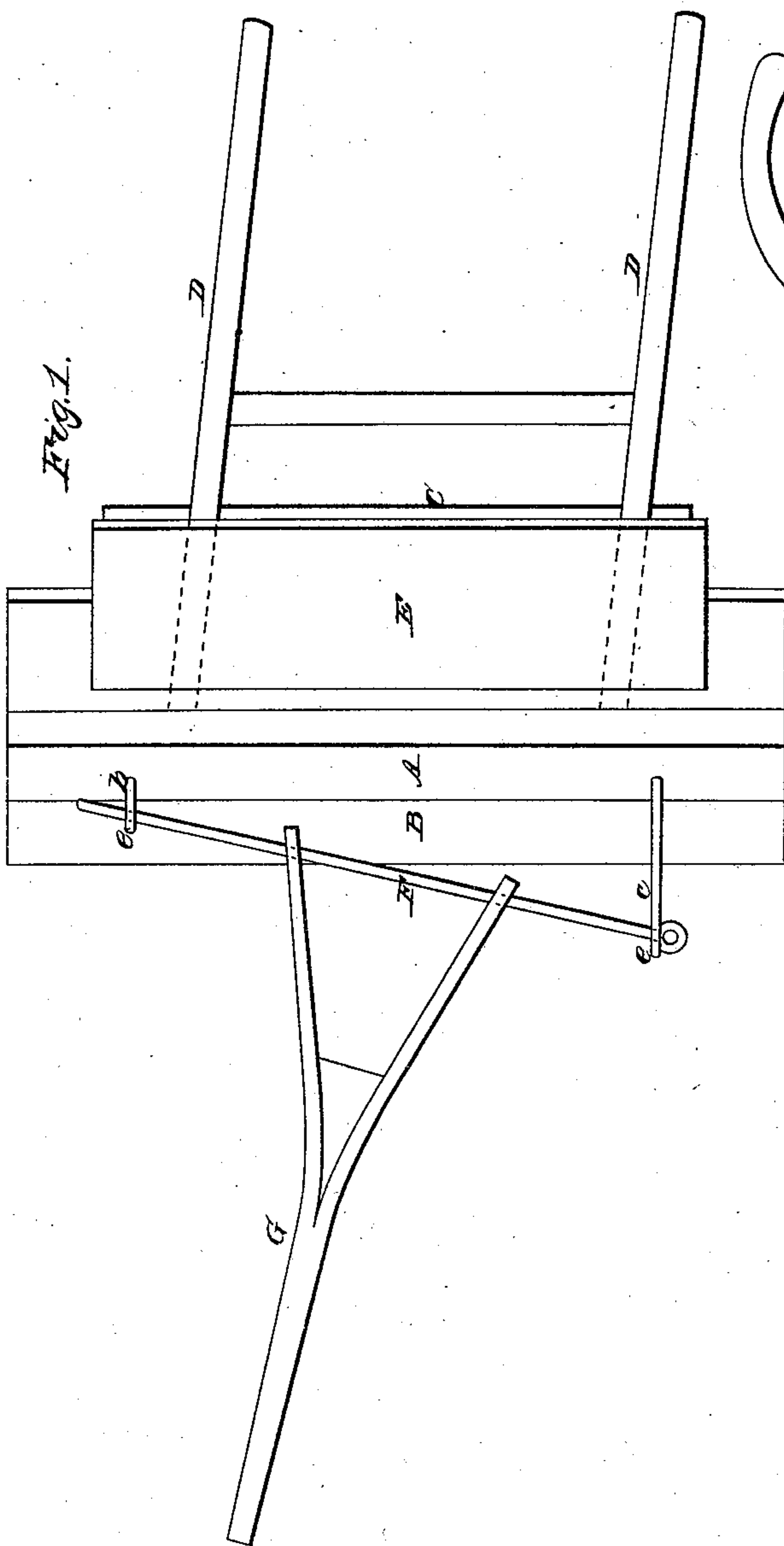


J. B. Wood.
Road Scraper.

N^o 43,942.

Patented Aug. 23, 1864.



Witnesses:
W. A. Murphy
M. S. Corey

Inventor:
Jos. B. Wood
by his attorney
R. H. Eddy

UNITED STATES PATENT OFFICE.

JOHN B. WOOD, OF SWANSEA, MASSACHUSETTS.

IMPROVEMENT IN ROAD-SCRAPERS.

Specification forming part of Letters Patent No. 43,942, dated August 23, 1864.

To all whom it may concern:

Be it known that I, JOHN B. WOOD, a resident of Swansea, in the county of Bristol and State of Massachusetts, have invented an Improved Road-Scraper; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, and Fig. 2 a side elevation, of the said scraper.

The nature of my invention consists in the combination and arrangement of a mud-guard with the blade and a roller applied to a frame or beam provided with handles, as hereinafter specified.

In the drawings, A denotes a frame or beam, whose bottom surface is flat, and whose front face is inclined thereto, and provided with a metallic blade, B. In the rear of the beam A there is a roller, C, which is arranged parallel to the rear side of the beam, and has its journals supported by projections *a*, extended from the beam. The lower edge of the roller is disposed at a level above that of the bottom of the beam. From the beam two handles, D D, extend backward and have placed on them and against the beam and over the roller a board or mud-guard, E. The object of this board is to prevent the mud or matters which may be thrown up by the scraper while it may be in use from dropping on the roller or getting clogged between it and the beam, so as to stop the rotation of the roller. From the front face of the beam two struts, *b c*, extend, one of which is longer than the other, and each is provided at its outer end with an eye, *e*, to receive a rod, F, which also goes through the two prongs of a

draft-tongue, G, and with the struts connects the said draft-tongue with the beam A. The draft-tongue is thus arranged askew relatively to the beam or its blade in order that while the scraper may be drawn along on the surface of a road by oxen or animals attached to the pole or tongue the blade may be askew with respect to the line of direction of the draft, such line being in prolongation of the axis of the pole. The object of thus arranging the blade askew relatively to the line of direction of the draft is to cause the mud or dirt which may be taken up by the blade to be moved toward that end of the blade which is next adjacent to the longer of the struts *b c*. In this way the loose dirt or mud of a road may not only be scraped up, but be piled in a ridge at one end of the scraper, or either in the middle or on one side of the road, as circumstances may require.

In order to raise the scraper off the ground, the attendant, having hold of the handles, should press downward on them, so as to tilt the scraper in a manner to force the roller into contact with the ground. In this way the machine may be supported by the roller resting on the ground. When this is the case, the blade, being off the ground, will not operate to scrape it.

I claim as my invention—

The combination and arrangement of the guard E with the blade B and roller C, applied to the beam A, provided with handles, as specified.

JOHN B. WOOD.

Witnesses:

R. H. EDDY,
F. P. HALE, Jr.