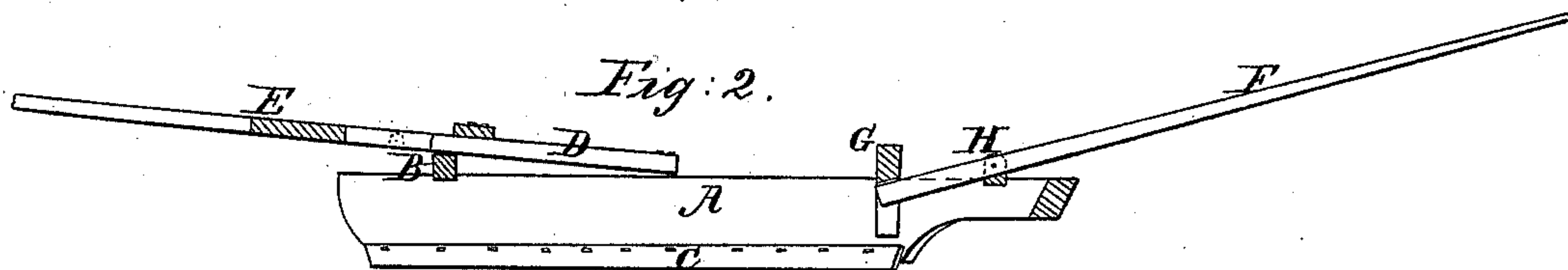
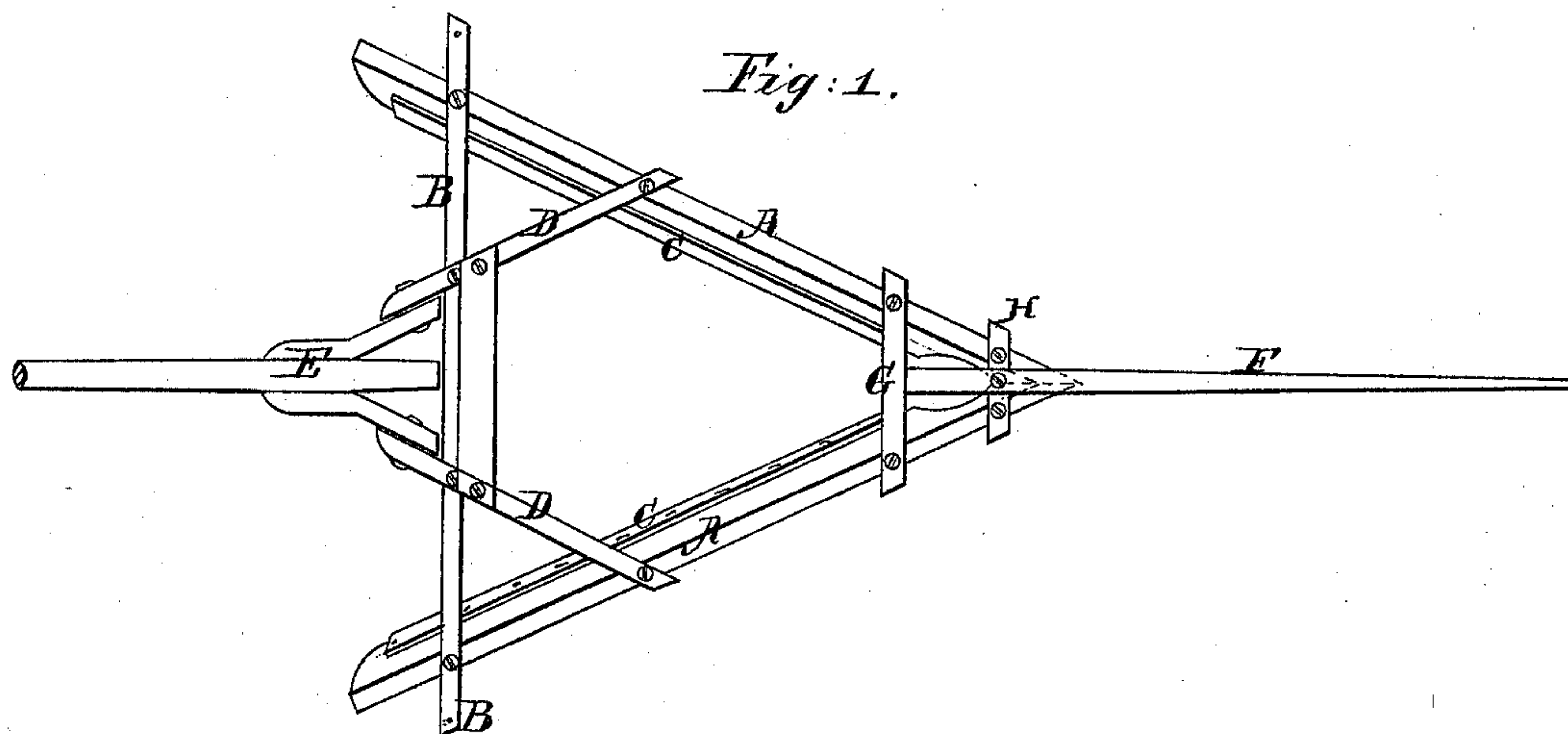


E. L. Foreman.
Road Grader.

Nº 97,378.

Patented Nov. 30, 1869.



Witnesses,
Harry King
E. L. Foreman

Inventor;
E. L. Foreman
per
Alexander Watson
Atty.

United States Patent Office.

E. L. FOREMAN, OF RANTOUL, ILLINOIS. ASSIGNOR TO EDWARD FOREMAN, OF SAME PLACE.

Letters Patent No. 97,378, dated November 30, 1869.

IMPROVED ROAD-GRADER.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, E. L. FOREMAN, of Rantoul, in the county of Champaign, and in the State of Illinois, have invented certain new and useful Improvements in Graders; 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 general arrangement of a "grader," as will be hereinafter 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 plan view, and

Figure 2 a longitudinal vertical section.

A A represent the two sides of the grader joined together at one end, and held at a suitable distance apart at the other end, by means of a cross-bar, B, which extends beyond the outer sides of the sides A, and is suitably braced to the same.

At the ends where the sides A, A are joined together, their lower edges are cut out, as seen in fig. 2;

for a certain distance, so as to leave an open space between the lower rear edges of the grader.

From the point where this cut-off commences, the sides A A are provided, on their inner sides, along the lower edge, with a steel bar or cutter, C.

The cross-bar B is further braced by bars D D, extending to the sides A A, and between the front ends of said bar the tongue E is suitably attached.

At the rear end of the grader is a lever, F, secured under a knee, G, and on a bar, H, near the rear end, as seen in fig. 1, by the use of which lever the grader is easily controlled.

Having thus fully described my invention,

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

The combination and arrangement of the sides A A, with steel bars C C, cross-bar B, braces D D, tongue E, lever F, knee G, and bar H, all substantially as shown and described.

In testimony that I claim the foregoing, I have hereunto set my hand, this 28th day of July, 1869.

E. L. FOREMAN.

Witnesses:

C. L. EVERT,

E. W. SMITH.