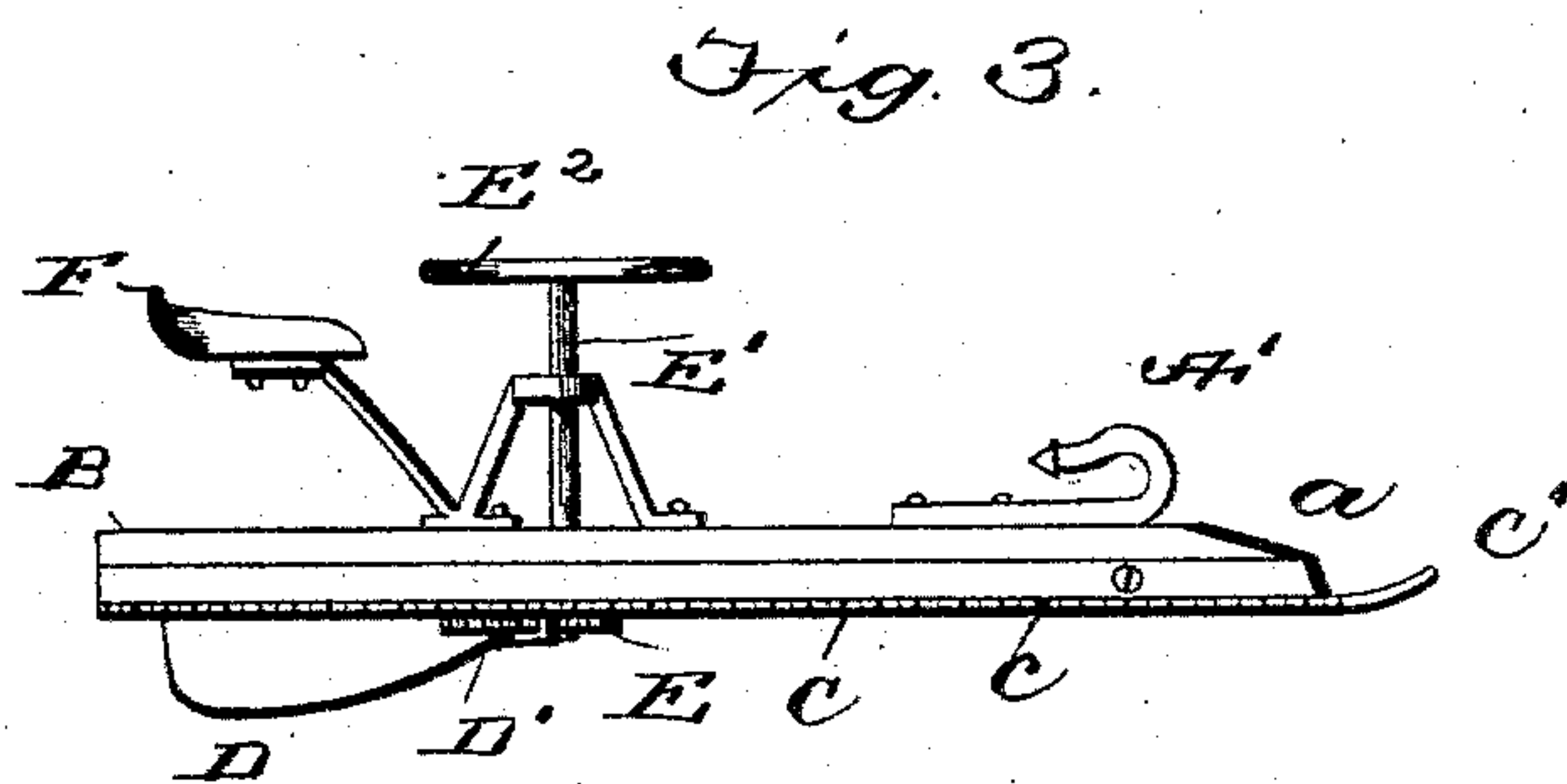
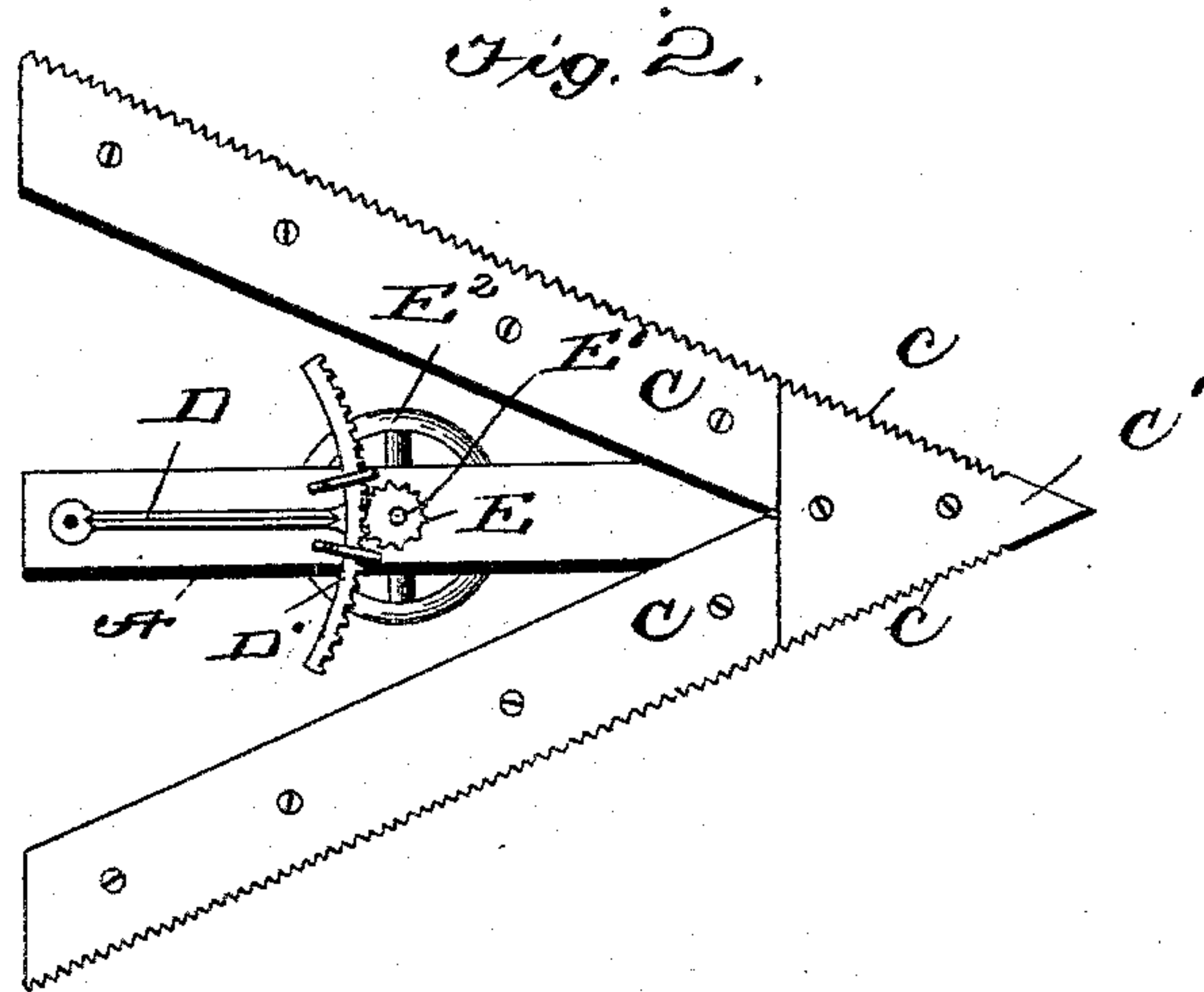
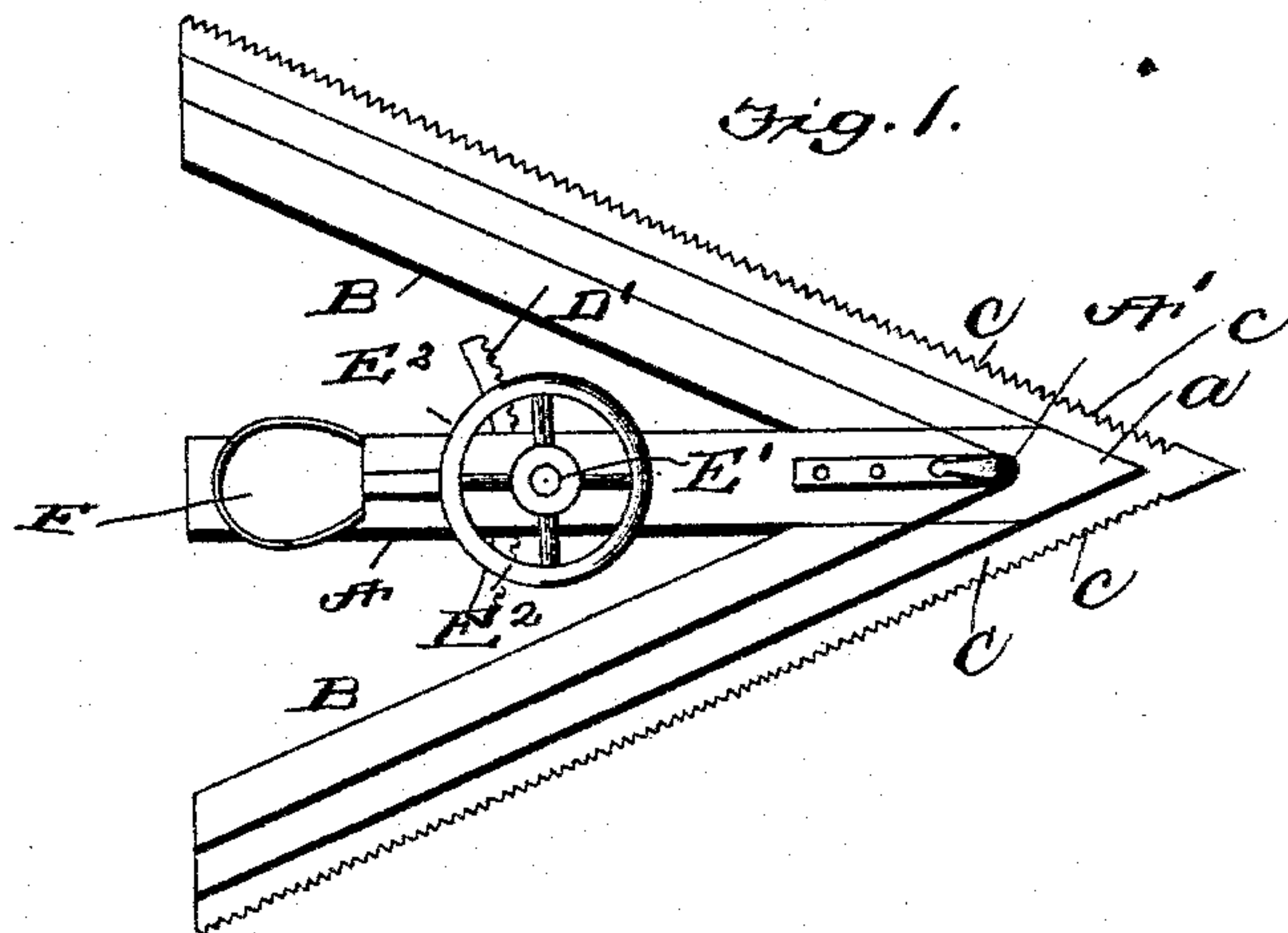


(No Model.)

F. K. FROMAN & H. C. MURRAY.
SAGE BRUSH CUTTER.

No. 515,546.

Patented Feb. 27, 1894.



Witnesses

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Chas E Brock

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UNITED STATES PATENT OFFICE.

FELIX K. FROMAN AND HENRY C. MURRAY, OF VALE, OREGON.

SAGE-BRUSH CUTTER.

SPECIFICATION forming part of Letters Patent No. 515,546, dated February 27, 1894.

Application filed March 2, 1893. Serial No. 464,365. (No model.)

To all whom it may concern:

Be it known that we, FELIX K. FROMAN and HENRY C. MURRAY, of Vale, in the county of Malheur and State of Oregon, have invented certain new and useful Improvements in Sage-Brush Cutters; and we do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to an improved sage brush cutter, the object of the invention being to provide a device that is cheap and simple, clearly constructed, and one that will cut a wide swath with very little resistance.

A further object is to provide an improved means for steering the cutter, and keeping the same straight.

With these objects in view, our invention consists in the peculiar construction and arrangement of the various parts, all of which will be fully described and then pointed out in the claim.

In the drawings forming a part of this specification, Figure 1, is a top plan view of our improved cutter. Fig. 2, is a bottom plan view, and Fig. 3, a side view.

In carrying out our invention, we employ a main or central beam A, and to the forward end of the same we attach the side beam B, B. The forward end of the beam A, is pointed as at *a* and the forward ends of the beams B, are beveled so that they rest oblique to the main beam and produce a V shaped frame with the apex forward. A draft hook A' is attached to the forward end of the beam A, and to which the draft is applied to draw the cutter.

C, C, indicate the cutter blades, attached to the under faces of the side beams, the teeth *c*, of said blades projecting beyond the sides of said beam, in order to engage the brush or scrubby growth near the ground.

C' designates a toothed point, attached to

the under face of the frame at the forward end of the same, the forward end of said point being turned up to avoid obstructions.

A rudder blade D, is pivoted at its rear end to the under side of the central beam A, the forward end of such blade being formed with a toothed sector D', which is adapted to be engaged by a pinion E, mounted upon the lower end of a vertical shaft E', which shaft is provided with a hand steering wheel E².

F, designates the operator's seat secured upon the central beam, directly above the rudder so that the rudder is always kept in the ground.

In operation two horses are hooked to the draft hook of the cutter, and the operator rests in the seat upon the frame. The machine is then drawn into the section to be cleared, and as the toothed blades come in contact with the brush it is cut down as by a saw.

By means of the hand wheel, the rudder can be easily operated and the machine skillfully guided.

Having thus described our invention, what we claim is—

In a brush cutter, the combination of a V-shaped frame having cutter blades with teeth projecting beyond the sides of the said frame and a forward upturned point, a steering blade pivotally attached at its rear end and having a horizontally disposed tooth sector at its forward end, an upright end wheel shaft, and a pinion on the lower end of said shaft meshing with said tooth sector, substantially as described.

In testimony whereof we have signed this specification in the presence of two subscribing witnesses.

FELIX K. FROMAN.
HENRY C. MURRAY.

Witnesses:

E. H. TEST,
C. H. BROWN.