

G. ARMSTRONG & D. L. MURCHESON.  
Gang-Plow.

No. 223,833.

Patented Jan. 27, 1880.

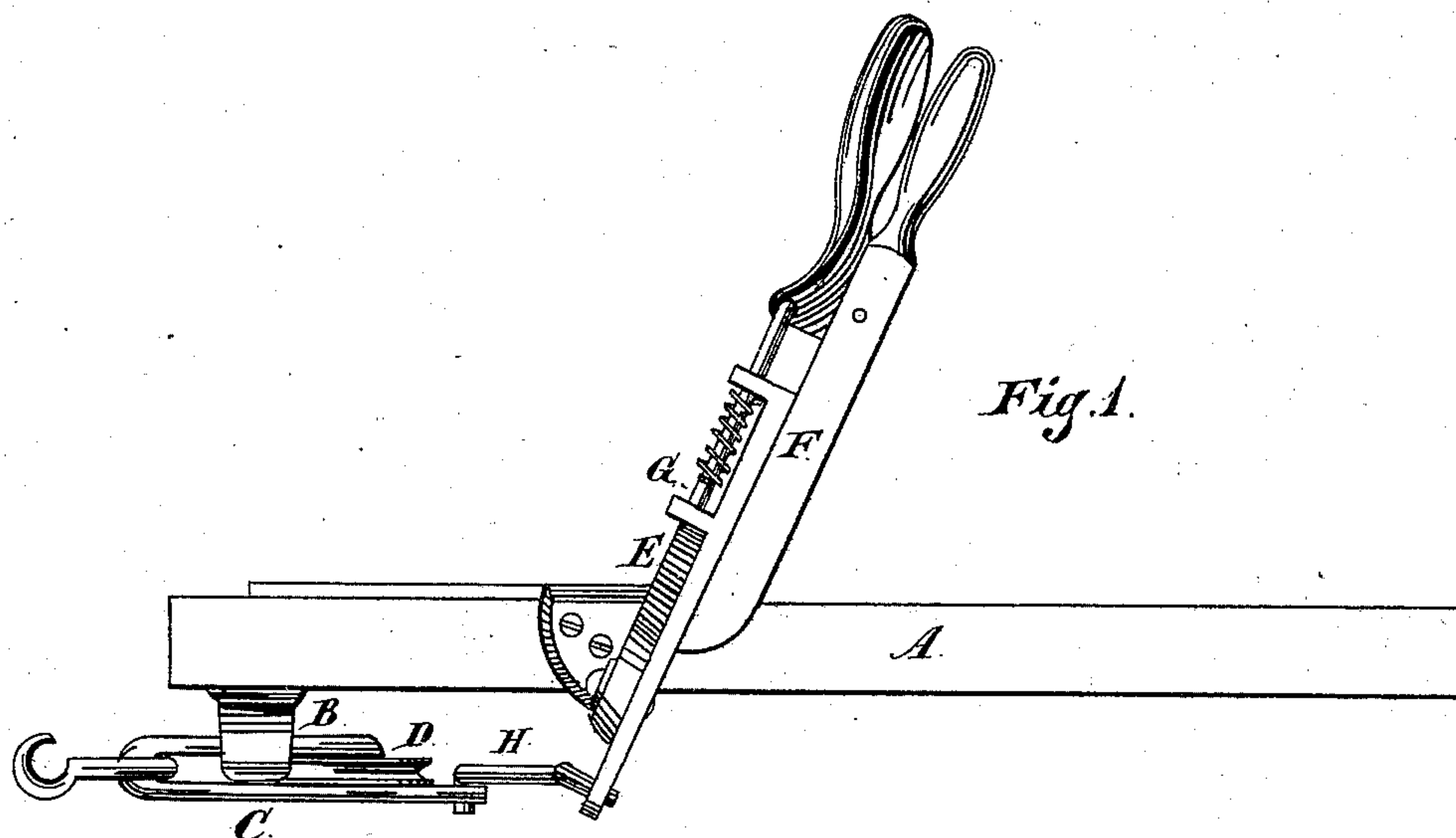


Fig. 1.

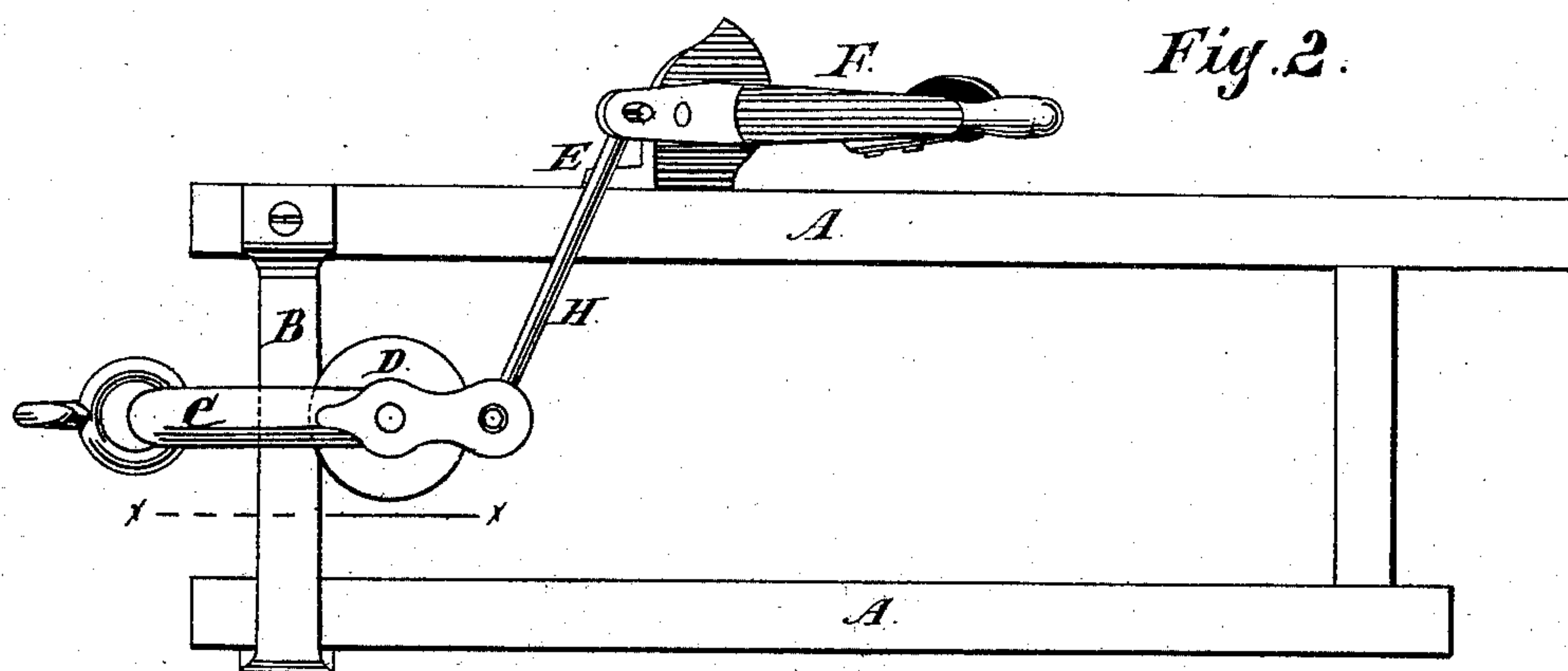


Fig. 2.

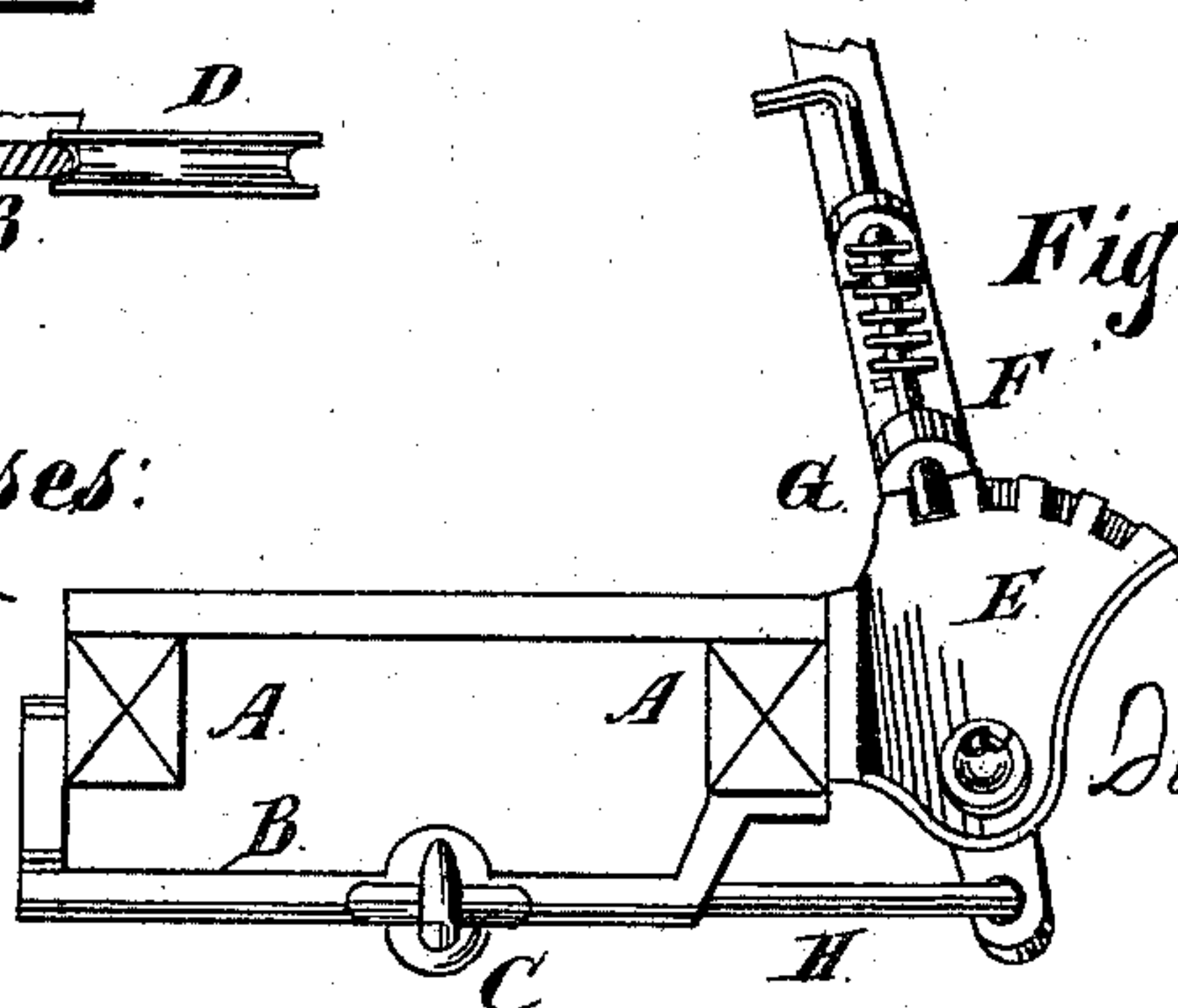


Fig. 4.



Fig. 3.

Witnesses:  
C. W. Bond  
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# UNITED STATES PATENT OFFICE.

GEORGE ARMSTRONG, OF ELMIRA, AND DUNCAN L. MURCHESON, OF WEATHERSFIELD, ILL.; SAID MURCHESON ASSIGNOR TO SAID ARMSTRONG.

## GANG-PLOW.

SPECIFICATION forming part of Letters Patent No. 223,833, dated January 27, 1880.

Application filed February 8, 1878.

*To all whom it may concern:*

Be it known that we, GEORGE ARMSTRONG, of Elmira, Stark county, State of Illinois, and DUNCAN L. MURCHESON, of Weathersfield, Henry county, State of Illinois, have invented a new and useful Improvement in Gang-Plows, of which the following is a full description, reference being had to the accompanying drawings, in which—

10 Figure 1 is a side elevation, showing the frame and devices for changing the width of furrow; Fig. 2, a bottom view of the same; Fig. 3, an end view of the same; Fig. 4, a detail of the pulley and track.

15 This invention relates to devices for regulating the width of the furrow to be cut.

In the drawings, A represents the frame, which is to be mounted upon an axle and wheels in the usual manner, but are not shown. 20 B is a cross-bar secured to the under side of the frame A. This bar we propose to make of iron.

C is an iron strap bent into the form shown, between the two parts of which strap is pivoted a pulley, D, arranged to engage with and run upon the rear edge of the cross-bar B. There is a space between the pulley and the front of the bent bar C somewhat longer than the width of the bar B, and in this space, 30 and between the two parts of the bent bar C, the bar B is located.

E is a segmental rack secured to the frame

of the machine. F is a lever, pivoted at *a* to the plate upon which is located the rack E. G is a spring-pawl, arranged to engage with 35 the rack to hold it in place. H is a rod, one end of which is pivoted to the inner end of the bent bar C, and the other end is pivoted to the lower end of the lever F.

The team is to be attached to the forward 40 end of the bent bar C by any suitable means.

In use, the bent bar C, to which the team is attached, can be located either at the center of the machine or to the right or left thereof by means of the lever F and the connecting- 45 rod H, the pulley D rolling upon the inner edge of the bar B, and in consequence of this change of position of C the plow can be made to cut furrows of different widths.

The plows are to be connected to the ma- 50 chine in the usual manner.

We do not claim, broadly, devices for adjusting the plows to cut furrows of different widths; but

What we do claim as new, and desire to se- 55 cure by Letters Patent, is—

In a gang-plow, the pulley C D, in combination with the bar B, lever F, and rod H, substantially as and for the purpose specified.

GEORGE ARMSTRONG.

DUNCAN L. MURCHESON.

Witnesses:

T. T. WRIGHT,

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