

*C. A. Edwards,*

*Stulky Plow.*

*No. 97,490.*

*Patented Dec. 7. 1869.*

Fig. 3.

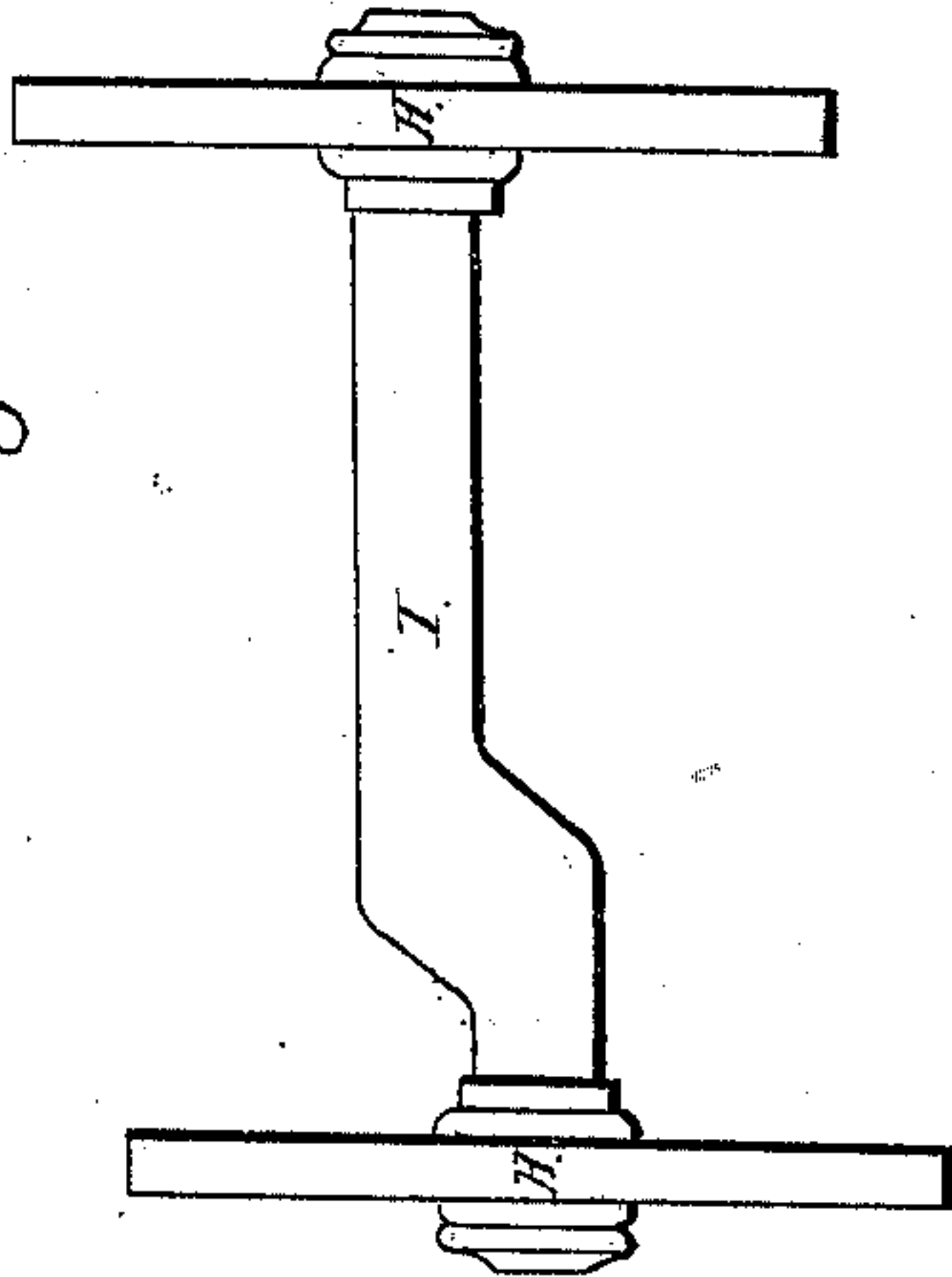


Fig. 1

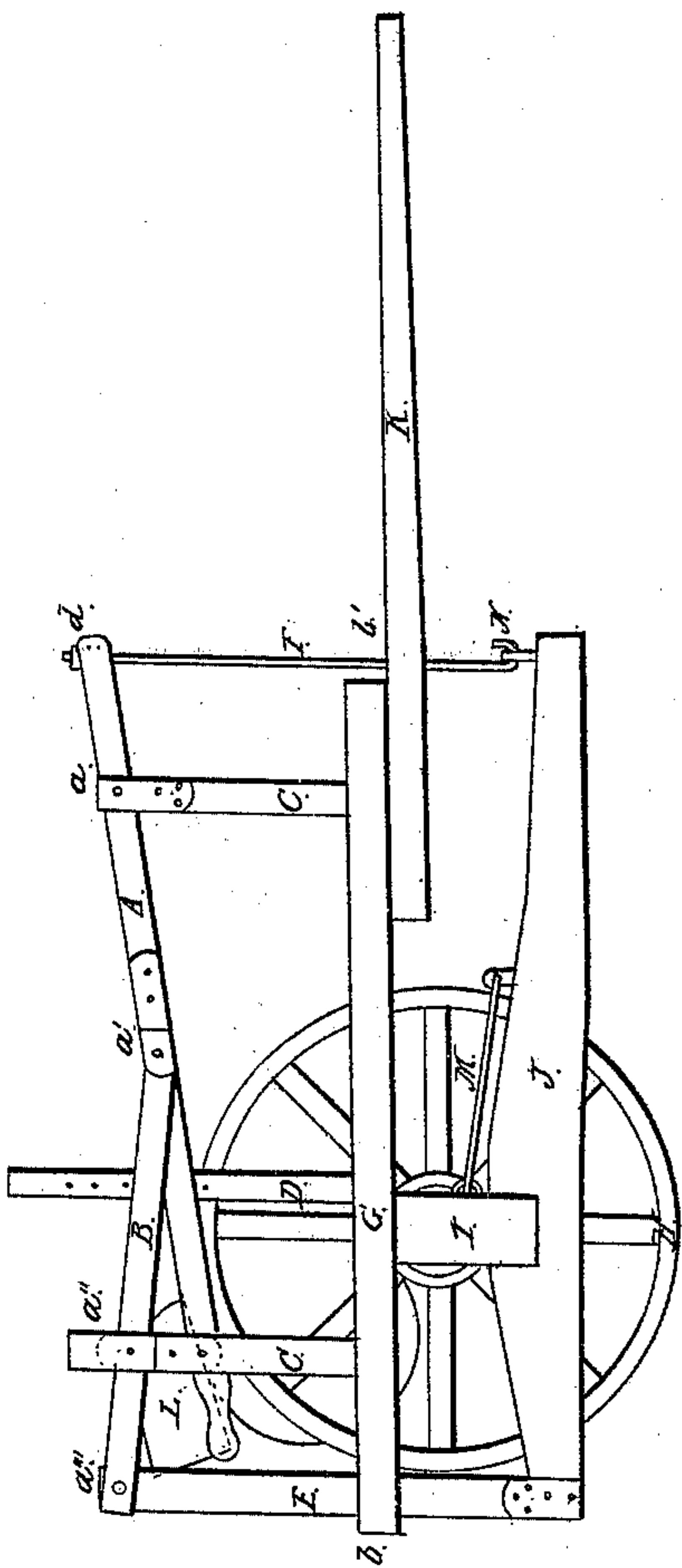
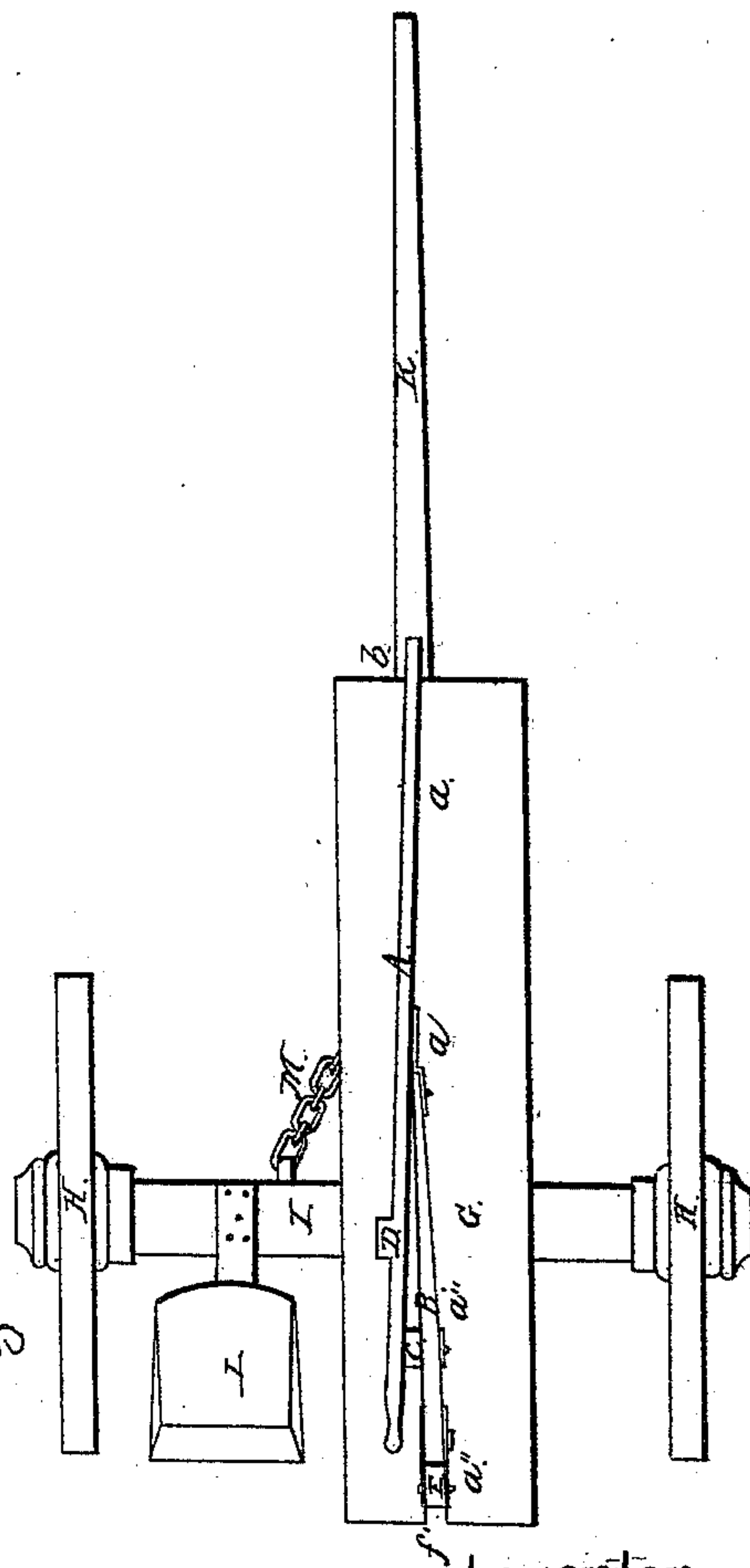


Fig. 2.



Inventor:

*C. A. Edwards*

Witnesses:

*E. E. Giddings*

*W. H. Brown*

# UNITED STATES PATENT OFFICE.

C. A. EDWARDS, OF CHATFIELD, MINNESOTA.

## IMPROVEMENT IN SULKY-PLOWS.

Specification forming part of Letters Patent No. 97,490, dated December 7, 1869.

*To all whom it may concern:*

Be it known that I, C. A. EDWARDS, of Chatfield, county of Fillmore, and State of Minnesota, have invented a new and useful Plowing-Sulky for Breaking Prairie and Stubble Ground; and I do hereby declare that the following is a full description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a longitudinal elevation, and Fig. 2 a plan.

Letter A is a long or main lever; letter B, a short lever, fastened by a lock-joint at  $a'$ , each working upon pivots in posts C and C', of which the forward one, C', is a rocking post, allowing the levers full play up and down.

Letter D is a gage-post, setting the plow at any desired depth by a pin or ratchet.

Letter E is a stanchion-post, which is bolted to the plow-beam and slides through a mortise in bed-frame G at  $b$ , and is attached by a pivot to short lever at  $a'''$ , holding the plow in an upright position and raising the back end.

F is an iron rod, which hooks to the guide-pin in the clevis at N and runs through a mortise in the tongue at  $b'$ , and is fastened through the end of long lever at  $d$  by burrs above and below, which screw up or down, so as to set the point of the plow as may be desired.

G is the bed-frame of the machine, in which the posts are set, and is bolted across the axle, to the left of the center, to give room for the driver to sit at the right hand of the levers.

H is the wheel of sulky.

I is the axle, which is made lower at the left end, so as to allow that wheel to run in the furrow.

K is the tongue of the machine.

J is the beam of the plow.

M is a chain, which is fastened by both ends at each side of the middle of the axle and to a hook in the top of plow-beam, near the center, which, as the team is hitched to the clevis of the plow, draws the sulky forward, and as the sulky is backed by the tongue this chain backs the plow.

My machine can be attached to any common stubble or breaking plow. The weight and pressure of the furrow are carried on the wheels, thereby relieving the plow of friction at the bottom, thus making the draft lighter. It plows the furrow at a uniform depth. It gives the operator a sulky-seat. It can be worked by any one who can drive a team, and it can be sold at one-third the expense of the gang-plow.

What I claim as my invention is—

The levers A and B, posts C C and D, post E, iron rod F, bed-timber G, axle I, plow-beam J, and chain or rope M, all constructed, combined, and arranged as set forth.

C. A. EDWARDS. [L. S.]

In presence of—

E. E. GIDDINGS,

H. M. LOVELL.