

(No Model.)

R. B. SIGAFOOS.

PLOW.

No. 294,281.

Patented Feb. 26, 1884.

Fig. 1

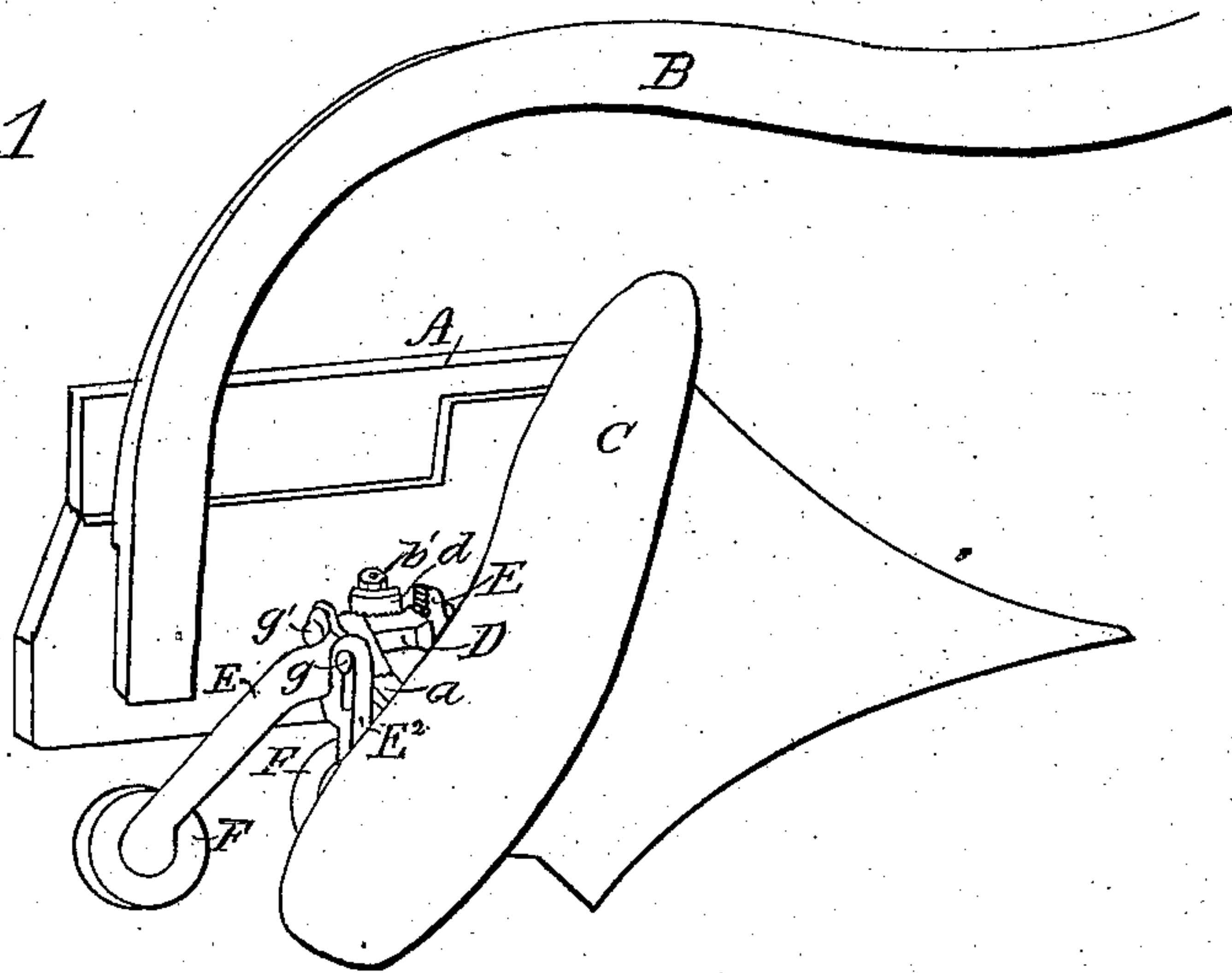


Fig. 2

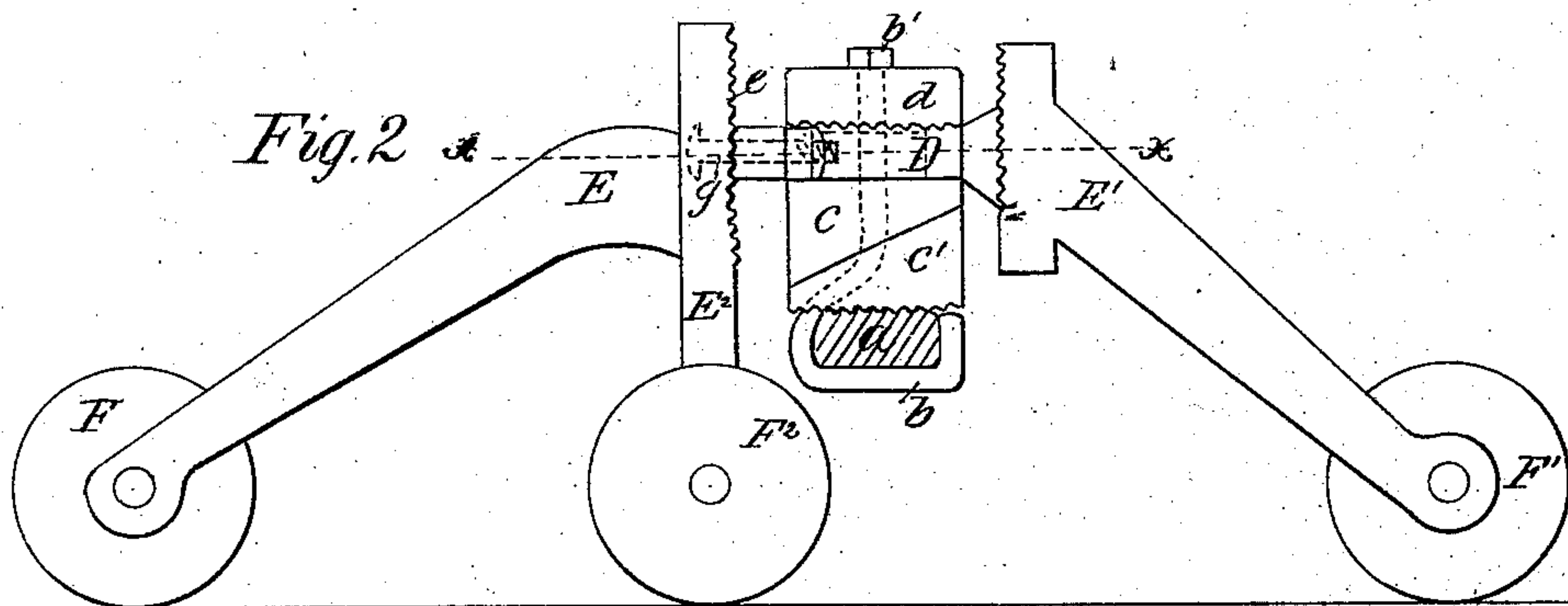


Fig. 3

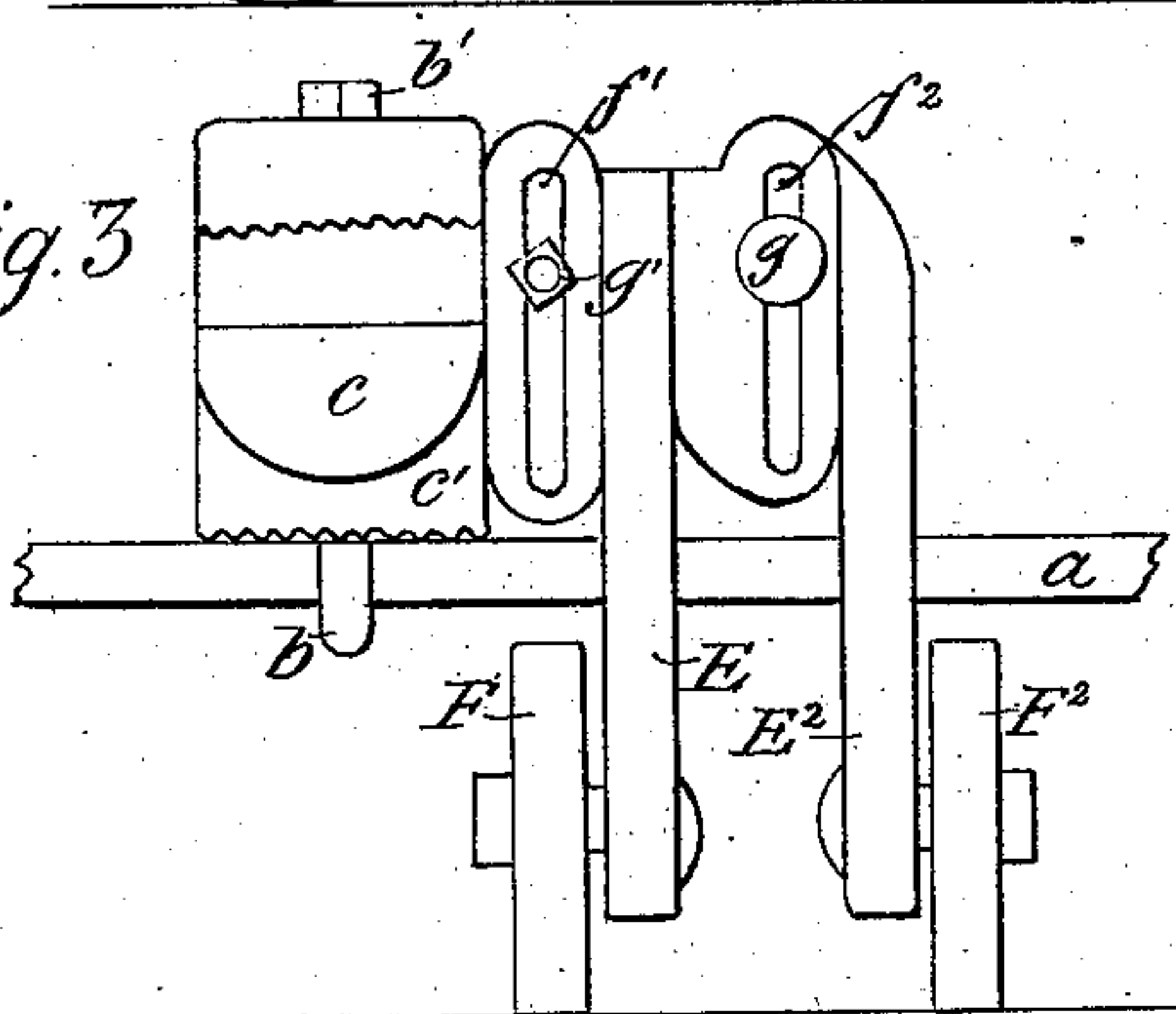


Fig. 4

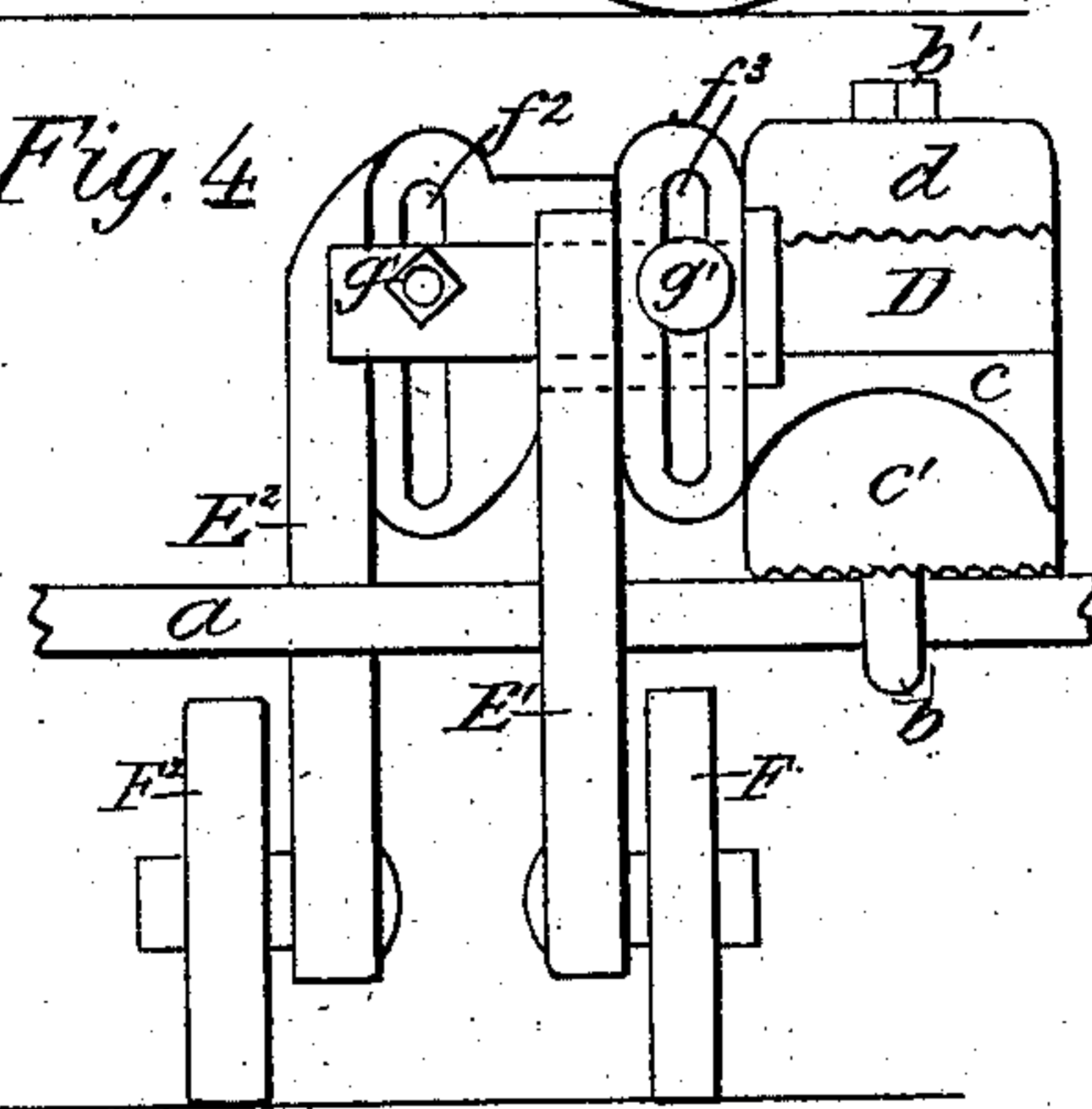
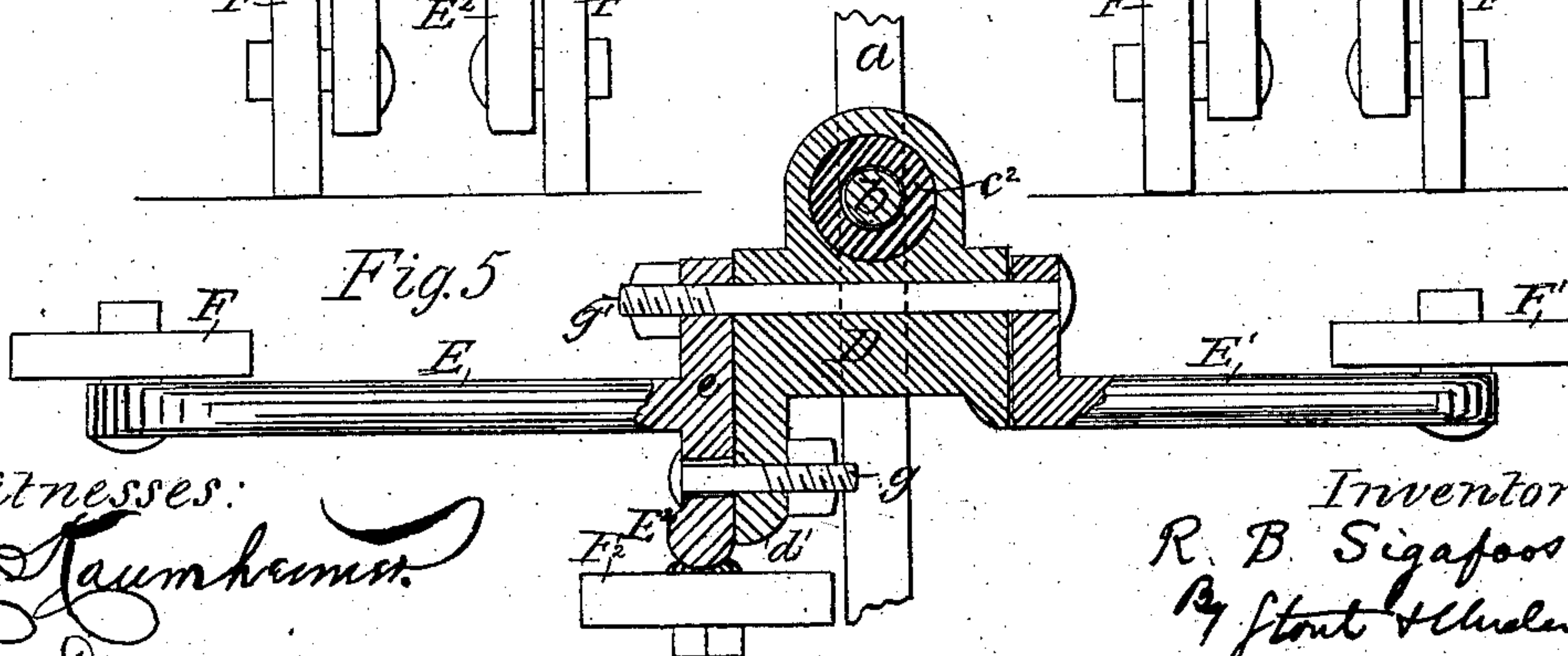


Fig. 5



Witnesses:
M. Baumhauer
Em. Demais

Inventor
R. B. Sigafos
By stout & Woodward
Attorneys

UNITED STATES PATENT OFFICE.

RUSSEL B. SIGAFOOS, OF MENDOTA, ILLINOIS.

PLOW.

SPECIFICATION forming part of Letters Patent No. 294,281, dated February 26, 1884.

Application filed September 21, 1883. (No model.)

To all whom it may concern:

Be it known that I, RUSSEL B. SIGAFOOS, of Mendota, in the county of La Salle, and in the State of Illinois, have invented certain new and useful Improvements in Plows; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to improvements in plows, and will be fully described hereinafter.

In the drawings, Figure 1 is a perspective view of a plow fitted with my improvement. Fig. 2 is a side elevation of my bearing device. Fig. 3 is a rear elevation, Fig. 4 a front elevation, and Fig. 5 a horizontal sectional view, of the same on line *x x* of Fig. 2.

The object of my invention is to provide a wheel attachment for plows that may be readily adjusted to suit the depth of cut desired or the inclination of the ground to be plowed.

A is the landside of an ordinary plow; B, the beam, and C the mold-board; and *a* is the brace that connects the rear of the mold-board with the landside.

D is the body of my attachment, the front edge of which is slightly thickened, to receive the shoulder of an arm, E', of a wheel, F'. This shoulder is serrated on its face adjacent to the body D, and is slotted at *f*³, to receive a bolt, *g*', by which it is clamped to the body

D. The opposite edge of body D is offset, as shown at *d*', Fig. 5, and is serrated, to receive the shoulder *e*, that connects the upper ends of the wheel-standards E and E². This shoulder *e* is also serrated, and is slotted at *f*'

to receive the bolt *g*', and at *f*² to receive the bolt *g*. The attachment body D is held in place over the brace *a* by the clamp-bolt *b*, and between said body D and the brace *a* are set the two plates *c* and *c*', through the center of

which the bolt *b* passes up to receive on its threaded end the fastening-nut *b*'. Between said nut and the body D is fitted the washer *d*, which is serrated on its lower face, to impinge in the similarly serrated upper face of said

body D. The plates *c* and *c*' are cut wedge-like on their opposing faces, whereby the body D may be adjusted to any desirable angle to the bottom line of the landside of the plow.

The upper plate, *c*, has a deep annular flange, *c*², (shown in dotted lines in Fig. 2,) formed on

its upper face, to evenly bear on the central opening of the body D, while the lower plate, *c*', has its lower face serrated, to impinge against the upper face of the brace *a*. By means of the slots *f*' and *f*², the connected standards E and E² may be vertically adjusted on the attachment body D, while the arm E' may be given the same adjustment by means of the slots *f*³.

F, F', and F² are the bearing-wheels, suitably mounted on the ends of their respective standards E, E', and E².

The operation of my device is as follows: The arms E E² are secured to or form part of the same shoulder *e*, which, as before stated, is bound to the body D by bolts *g* and *g*', which latter also bind the shoulder of arm E' to the body; and for more securely fastening them in adjustment I prefer to serrate the bearing-surfaces of the shoulders as well as those of the body. The depth of cut is regulated by adjusting the shoulders that support the arms up and down on the body, and the inclination of the plow from right to left is produced by slightly loosening the nut *b*' and turning the plate C about the bolt *b*, which, as it is smooth on both its upper and lower faces, is capable of being turned, so as to lift one side or the other of the body, by wedging down on plate C'. Therefore by the use of my attachment I am enabled to adjust the rolling supports to any kind of land without the aid of any other tool than a wrench, and my device may be applied to any plow without changing or boring the brace.

When the balancing of the plow does not depend on the front wheel, this wheel may be taken off and only the rear wheels used, and vice versa.

The opening through the lower cam-plate, C', is countersunk, as shown in dotted lines, to accommodate the bend which forms the hook on the lower end of the bolt *b*, and to permit the bolt to draw straight up from the center of the brace *a*.

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

1. The combination, in a plow attachment, of a body carrying wheel-arms, circular wedge-plates C C', adapted to support the body on

the plow-brace, and a hooked rod for securing the body to the brace with a tightening-nut and washer, substantially as described.

2. The combination, with body D and means
5 for securing it to the plow-brace, of adjustable wheel-arms having slotted shoulders and bolts for securing them in adjustment, as set forth.

3. The combination, with brace *a* of a plow,
of plates *c c'*, bolt *b'*, body D, washer *d*, and
10 adjustable wheel-arms, as described.

In testimony that I claim the foregoing I have hereunto set my hand on this 18th day of August, 1883, in the presence of two witnesses.

RUSSEL B. SIGAFOOS.

Witnesses:

LOUIS ECKERT,
S. S. STOUT.