

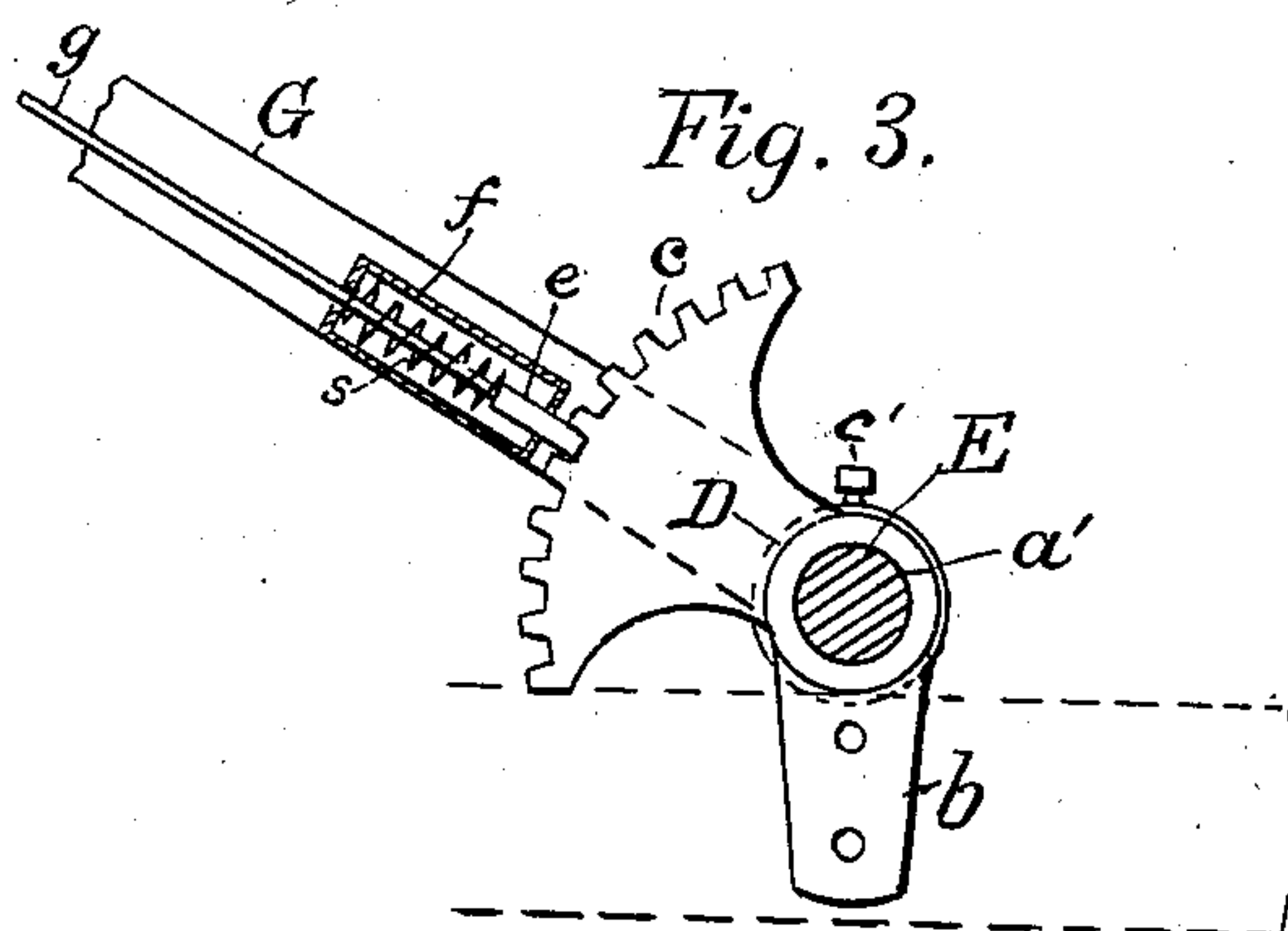
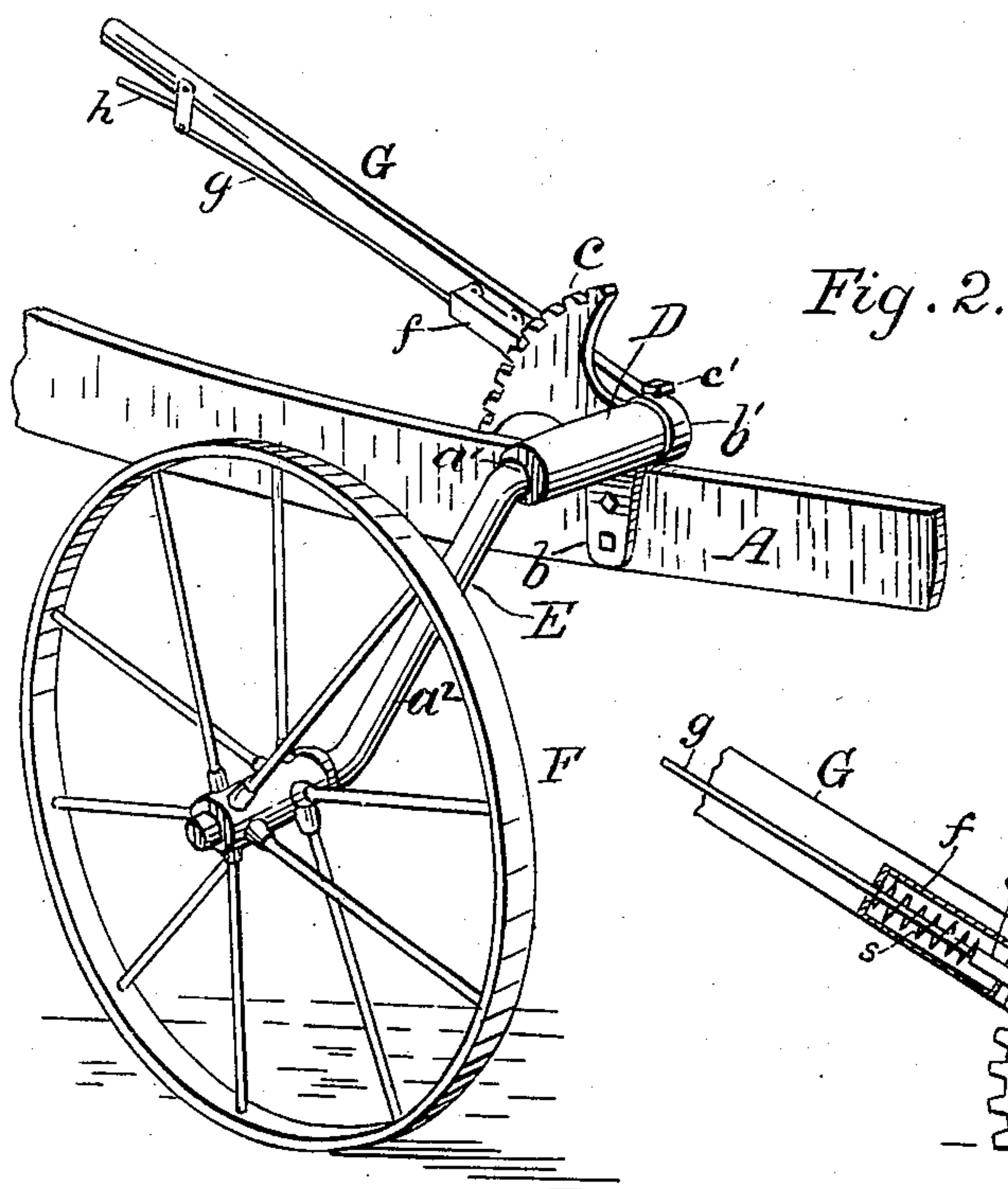
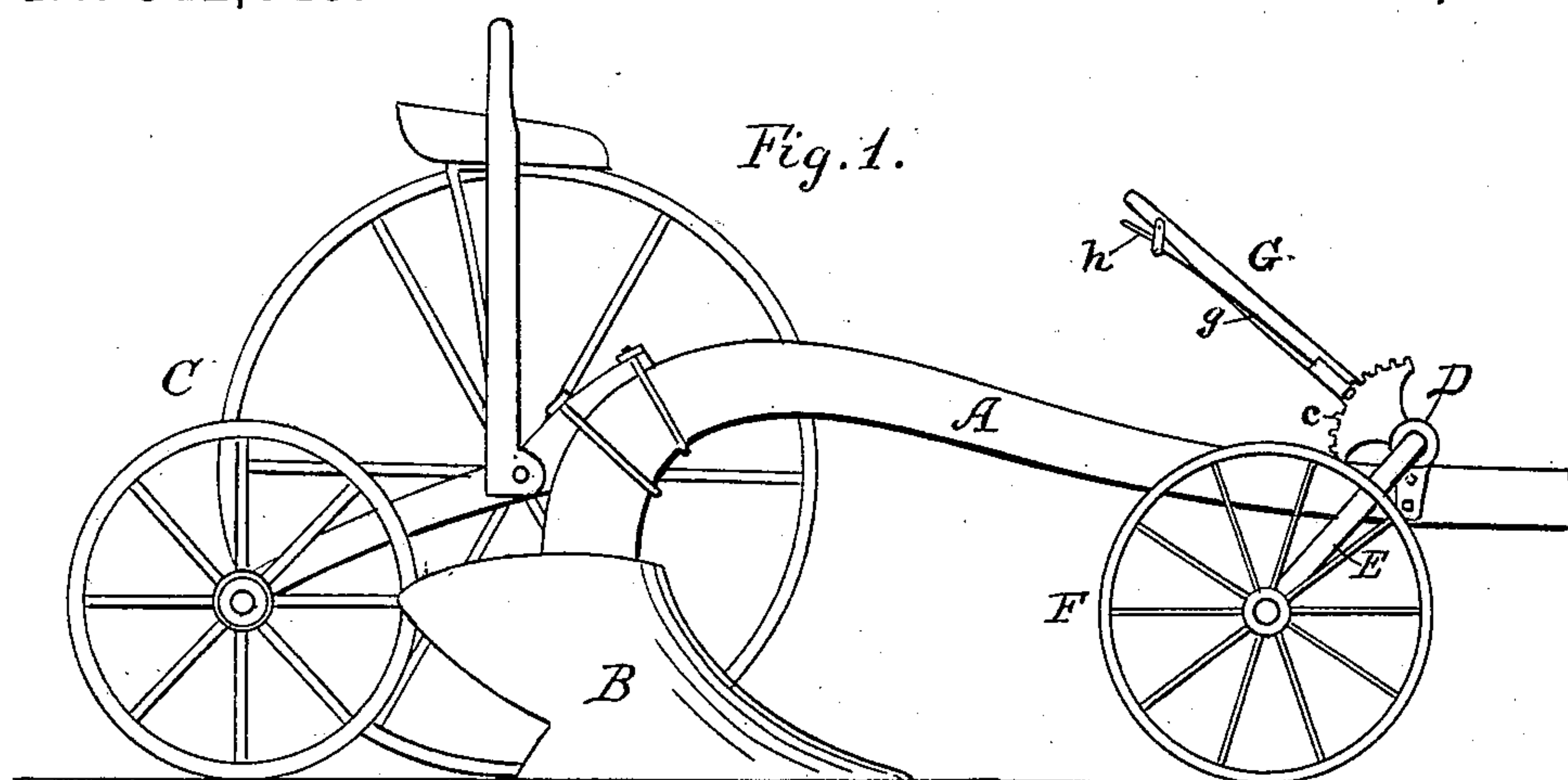
(No Model.)

S. ROCKAFELLOW.

SULKY PLOW.

No. 342,845.

Patented June 1, 1886.



Witnesses:  
Thomas P. Simpson.  
G. B. Towles.

Inventor:  
Sam<sup>l</sup>. Rockafellow  
By W. V. Purris  
Att'y



# UNITED STATES PATENT OFFICE.

SAMUEL ROCKAFELLOW, OF MUSCATINE, IOWA, ASSIGNOR OF ONE-HALF  
TO WILLIAM G. REEVE, OF PERU, ILLINOIS.

## SULKY-PLOW.

SPECIFICATION forming part of Letters Patent No. 342,845, dated June 1, 1886.

Application filed September 16, 1885. Serial No. 177,267. (No model.)

*To all whom it may concern:*

Be it known that I, SAMUEL ROCKAFELLOW, a citizen of the United States of America, residing at Muscatine, in the county of Muscatine and State of Iowa, have invented certain new and useful Improvements in Sulky-Plows, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to sulky-plows; and it consists of improved devices for regulating the height of the plow-beam and the depth of the furrow, as hereinafter fully set forth, and as claimed.

In the accompanying drawings, Figure 1 represents a side view of a sulky-plow provided with my improvements. Fig. 2 is a perspective view of my devices applied to a plow-beam. Fig. 3 is a sectional side view of my improved devices.

A, B, and C designate, respectively, the plow-beam, the share and mold-board, and the rear wheels.

D designates a sleeve, provided with a lug, *b*, extended downward and having bolt-holes adapting the lug to be attached to the side of the beam. The sleeve is provided, also, with a notched segment, *c*, at the end of the sleeve, and inclined rearward, as shown. The sleeve, lug, and segment are usually formed solid in one piece, and are readily attached to the forward end of the plow-beam by bolts extended through the lug and beam.

E designates a crank-axle, the horizontal portion *a'* of which is extended through and has its bearing in the sleeve. The portion *a''* of the axle is inclined backward and downward, and is provided with a spindle, upon which is mounted the front wheel, F.

G designates a hand-lever, provided with a collar, *b'*, and a set-screw, *c'*, by means of which collar and set-screw the lever is attached firmly to the extended end of the portion *a'* of the axle, in close proximity to the segment and end of the sleeve. The segment end of the sleeve and the inner end of the lever-collar are trued, so that the collar, being located as set forth, forms a true bearing against the end of the sleeve, thus serving the double purpose of holding the lever on the axle and holding the axle in the sleeve. The segment, being located near the end of the sleeve and inclined rearward, is in position to engage with the spring-catch at-

tached to the lever. The lever is provided with a catch, *e*, and spring *s*, inclosed in a box, *f*, attached to the lower portion of the lever. The catch is arranged to engage with the notched segment, and is operated by the draw-rod *g* and pivoted handle *h*, properly connected with the catch. The front portion of the plow-beam being supported by the crank-axle E and wheel F, and the lever being firmly attached to the portion *a'* of the axle having its inclined portion *a''*, as set forth, it is evident that by raising and lowering the lever the plow-beam is readily adjusted, and by the ratchet devices it is held at any height to cause the plow to cut the required depth of furrow.

I am aware that crank-axles having their bearings in sleeves, in combination with levers and ratchet devices, have been employed for regulating the height of plow-beams and the depth of furrows, and I do not claim such devices, broadly; but

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

1. A plow-beam attachment consisting of the sleeve D, adapted to receive and form the bearing of the horizontal portion of a crank-axle, and provided with the downwardly-extended lug *b*, adapted to be attached to the side of a plow-beam, and the backwardly-inclined ratchet-segment *c* at the end of the sleeve, the sleeve, lug, and segment being all formed in one solid piece, substantially as and for the purpose described.

2. In combination with a plow-beam, A, and a crank-axle, E, the sleeve D, adapted to receive and form the bearing of the axle, and provided with the downwardly-extended lug *b*, adapted to be attached to the side of the beam, and the backwardly-inclined ratchet-segment *c* at the end of the sleeve, the sleeve, lug, and segment being formed in one piece, and the lever G, provided with the ratchet devices, as herein set forth, and the collar *b'*, constructed and located to hold the lever and axle in position, substantially as and for the purposes described.

In testimony whereof I have affixed my signature in presence of two witnesses.

SAMUEL ROCKAFELLOW.

Witnesses:

H. A. DANIELS,  
FRANK M. GREEN.