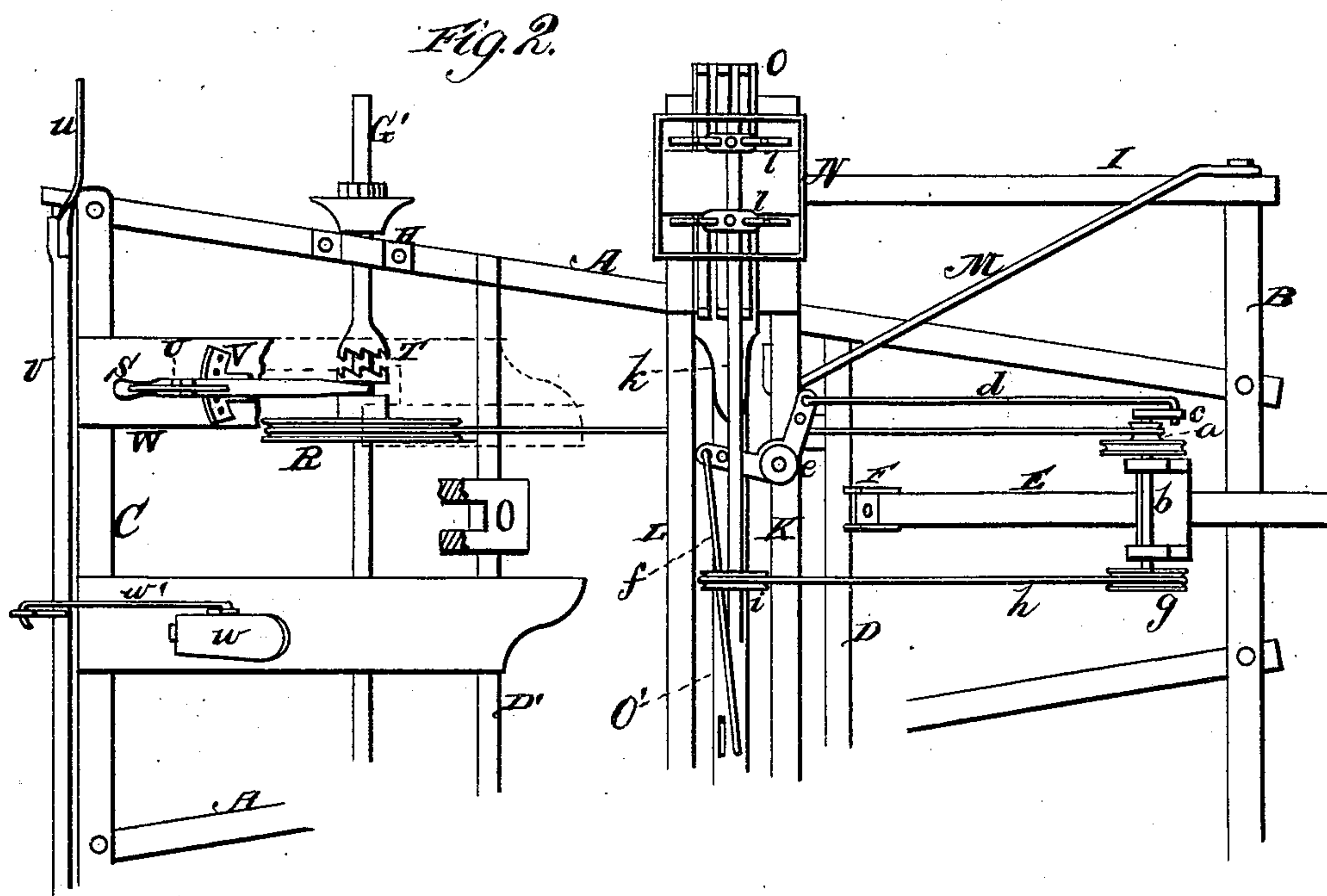
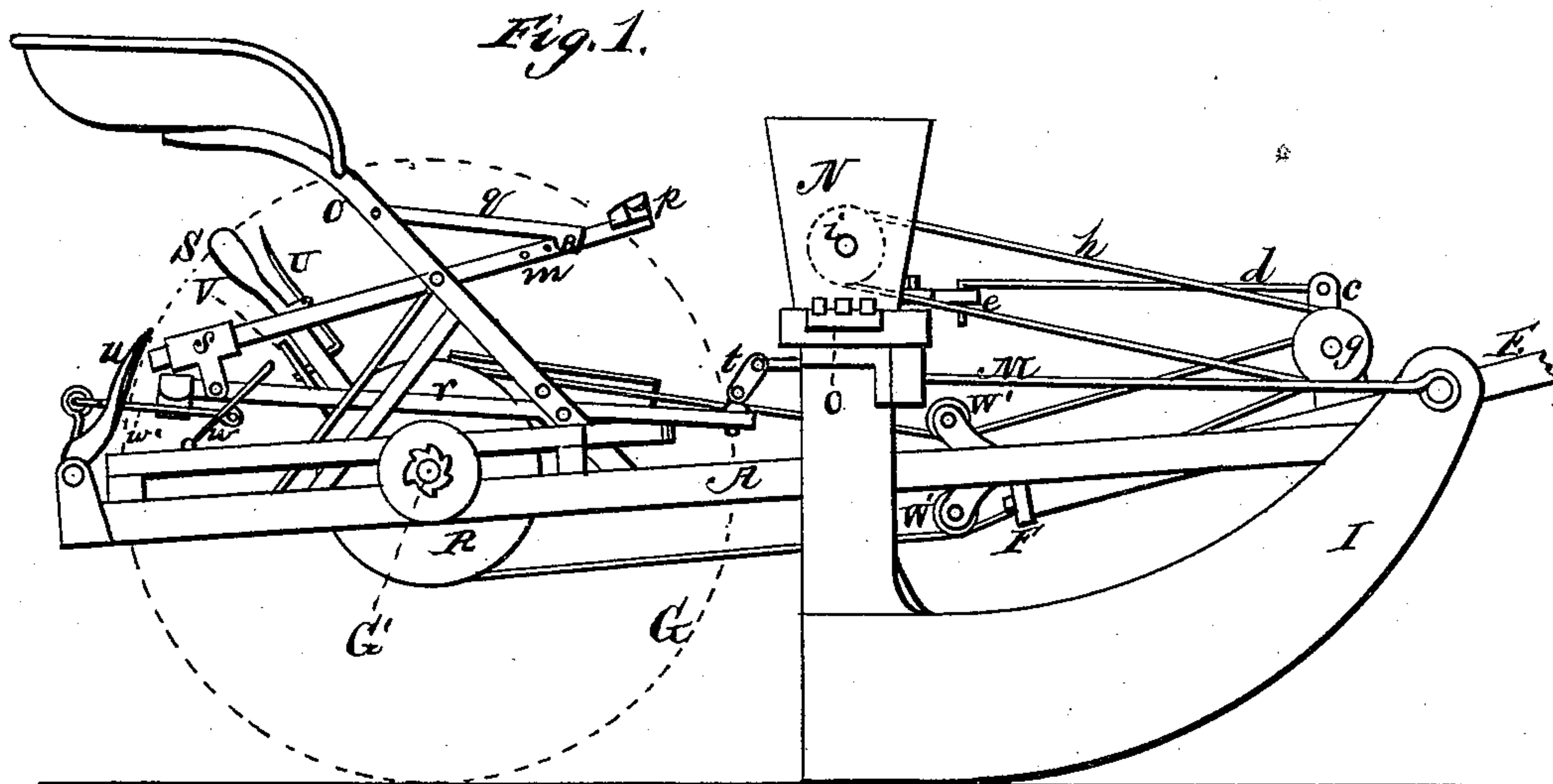


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Cotton and Corn Planter.

No. 226,734.

Patented April 20, 1880.



WITNESSES

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Chas. G. Page.

INVENTOR

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Fig. 3.

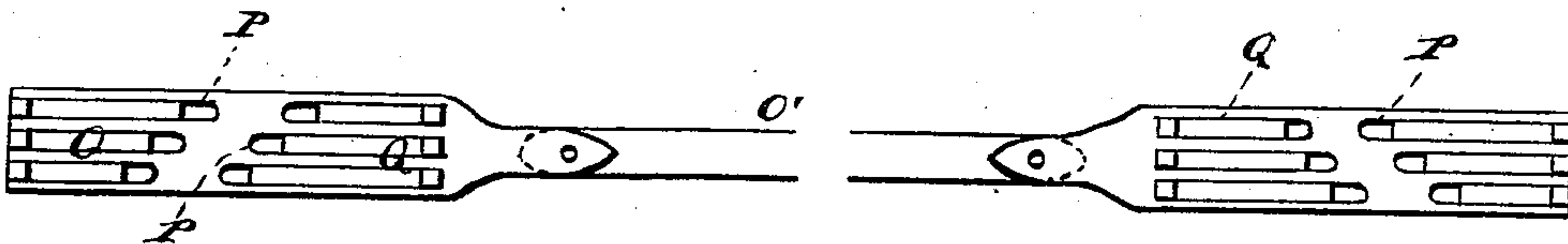
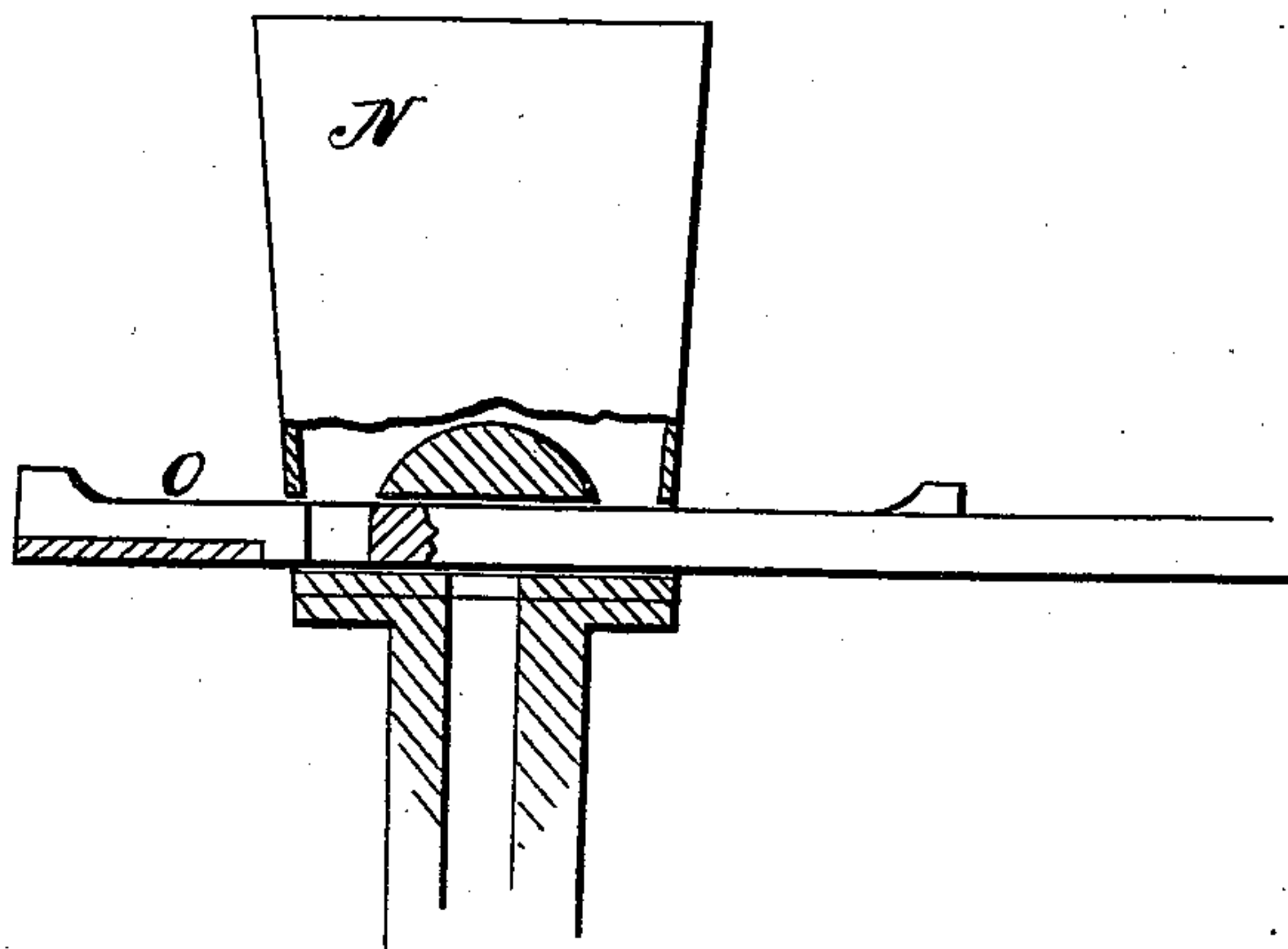


Fig. 4.



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UNITED STATES PATENT OFFICE.

GEORGE E. FAUCHER, OF GRAND PRAIRIE, TEXAS.

COTTON AND CORN PLANTER.

SPECIFICATION forming part of Letters Patent No. 226,734, dated April 20, 1880.

Application filed January 10, 1880.

To all whom it may concern:

Be it known that I, GEORGE E. FAUCHER, of Grand Prairie, in the county of Dallas and State of Texas, have invented certain new and useful Improvements in Cotton and Corn Planters; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a side elevation of my cotton and corn planter. Fig. 2 is a plan view of the same; Figs. 3 and 4, detail views.

The nature of my invention relates to cotton-seed and corn planters; and it consists in the construction and arrangement of parts, as fully set forth in the following description, and particularly pointed out in the claim.

The main frame of the machine is essentially composed of two bars, A A, connected at their front ends by the cross-bar B and at their rear ends by the rear cross-bar, C. These bars A are further braced and connected together by means of the two cross-bars D D.

The pole or tongue E is bolted to the forward cross-bar, B, and its rear end is adjustably secured to the cross-bar D by means of a bolt passed through a plate, F, formed with a series of holes, so that the bolt may be adjusted in the said series as desired.

G designates the wheels, the axle G' of which passes through boxes H upon the bars A A.

The forward ends of the runners I are secured to the ends of the cross-bar B, while the seed-tubes, which are secured at their lower ends to the rear portions of the runners, are fastened to and braced by bars K L. Brace-rods M extend from the runners to the bar K.

The seed-boxes N are mounted over the seed-tubes, and the seed-slides O are each provided with two sets of holes, P, and two sets of slide-valves, Q, which may be adjusted so as to regulate the area of each opening through the slide O.

The mechanism for operating the seed-slides is as follows: Upon the axle is loosely mounted a pulley-wheel, R, adapted to be shifted upon the axle by means of a lever, S, so as to be

clutched with or unclutched from a clutch-shoulder, T, upon the axle. This lever is held in position by means of a latch-lever, U, arranged to engage with a plate, V, provided with a proper series of holes or notches for the latch to engage with. This plate is secured at its lower end to a bar or board, W, which is bolted to the rear cross-bar, C, and the cross-bar D', which is in front of the axle.

A belt passes from the pulley-wheel R under pulley-wheels W', which are mounted in bearings secured to the cross-bar D, and thence it passes around a pulley-wheel, a, which is secured upon one end of a shaft, b. In this way motion is communicated from the pulley R to the pulley a, and from thence a reciprocating movement is given to the seed-slides by means of a crank, c, upon shaft b, a connecting-rod, d, connecting the crank with a bell-crank lever, e, pivoted upon the bar K, and a rod, f, connecting the bell-crank lever with the bar O', which is pivoted to the seed-slides O.

The shaft b is mounted in bearings secured to the tongue or pole, and upon this shaft is secured a pulley-wheel, g. A belt, h, passes around this pulley g, and also around a pulley, i, which is secured upon a shaft, k. This shaft passes through the seed-boxes, and carries upon its ends within said boxes toothed wheels l, which, during their rotation, stir up the seeds and cause a proper distribution of the same through the seed-openings in the slides. The rotation of the shaft b thus causes the rotation of the wheels l through the medium of the devices just described.

The mechanism for throwing the runners into the ground or for elevating them is arranged as follows: The runners are pivoted upon the ends of the front cross-bar, B, so that the runners, seed-tubes, boxes, and brace-bars between the tubes may be freely tilted. An inclined bar, m, is passed through a slot in the standard o, which supports the driver's seat, and is provided with a rest, p, for the driver's feet. This bar m is pivoted in the slot of the standard, and its angle of inclination is regulated by means of a bar, q, pivoted at one end to the standard o, and provided at the other end with a clasp having notches, which engage with pins upon the bar m. The lower

end of the bar *m* connects with a bar, *r*, by means of a clasp, *s*, and this bar *r* is passed through and pivoted in a slot formed through the standard *o*. The forward end of the bar
5 *r* connects with the bar *L* by means of a link, *t*. In this way, when the foot-rest is depressed, the bar *L*, and consequently the runners, will be tilted according to the pressure exerted upon the foot-rest.

10 The scrapers *u* are secured to a rod, *v*, hinged to the rear of the main frame and operated by a foot-lever, *w*, and connecting-rod *w'*.

What I claim is—

15 In a corn and cotton-seed planter, the combination of the pulleys *R*, *W'*, and *a*, connected

by a band with the shaft *b*, having crank *c* and pulley *g*, said crank *c* being connected to the seed-slide through the rods *d* and *f* and angle-arm *e*, and the pulley *g* being connected to a pulley, *i*, on the shaft *k*, carrying the agitators *l l*, by a band, *h*, all constructed and operating substantially as and for the purposes set forth.

In testimony that I claim the above I have hereunto subscribed my name in the presence
25 of two witnesses.

GEORGE E. FAUCHER.

Witnesses:

ANTOINE FAUCHER,
ALPHONSE SCHEPPLER.