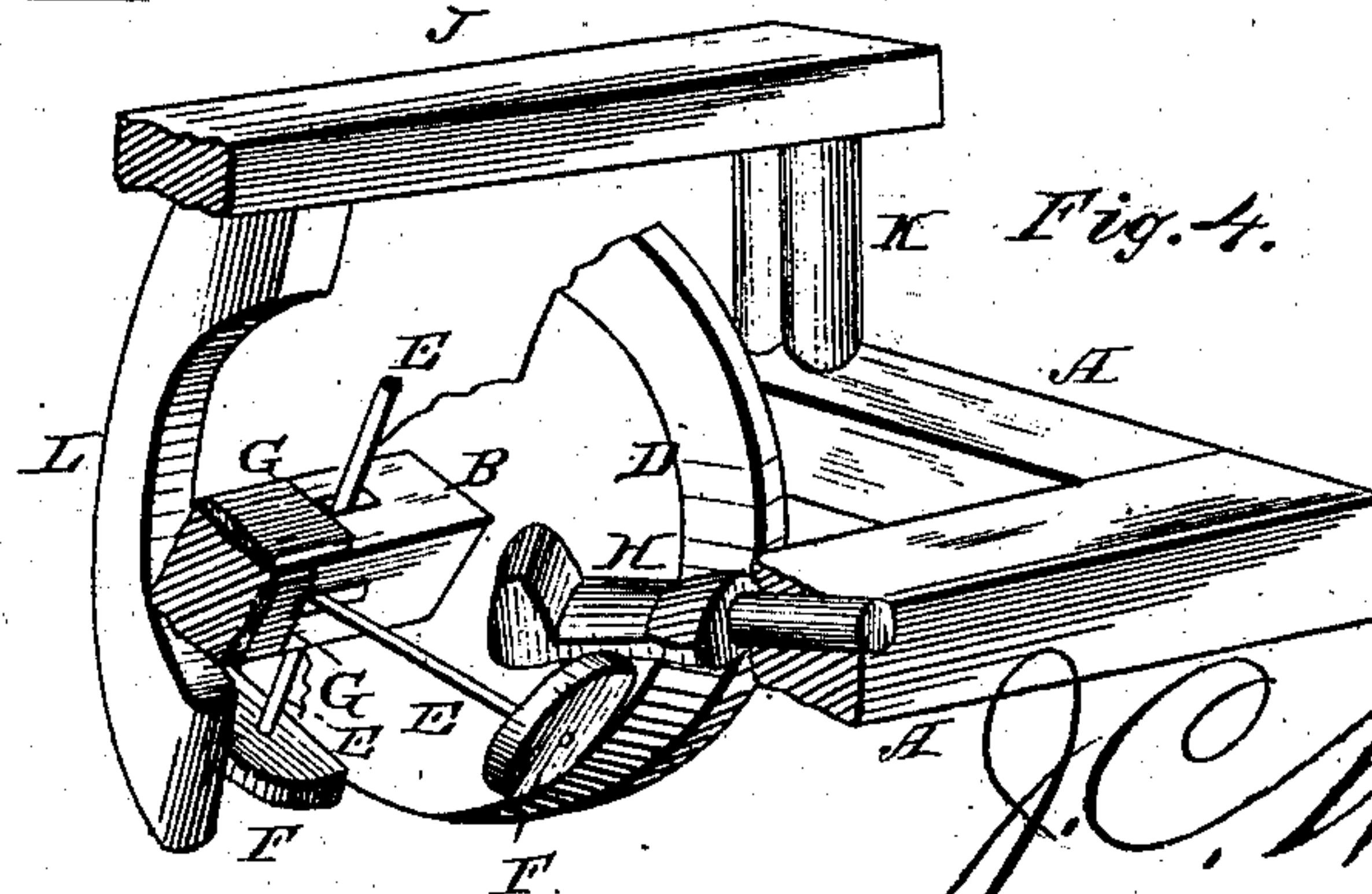
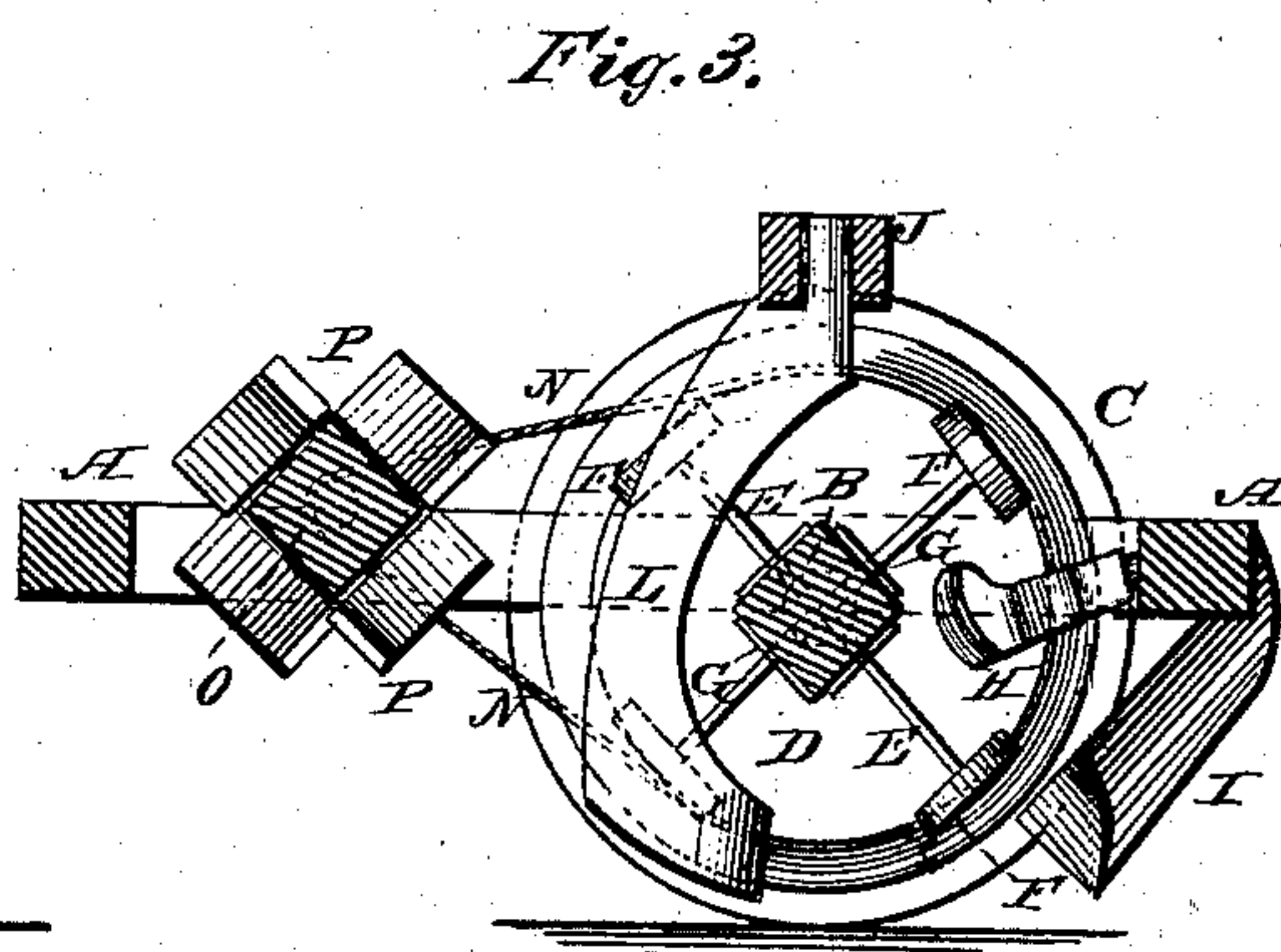
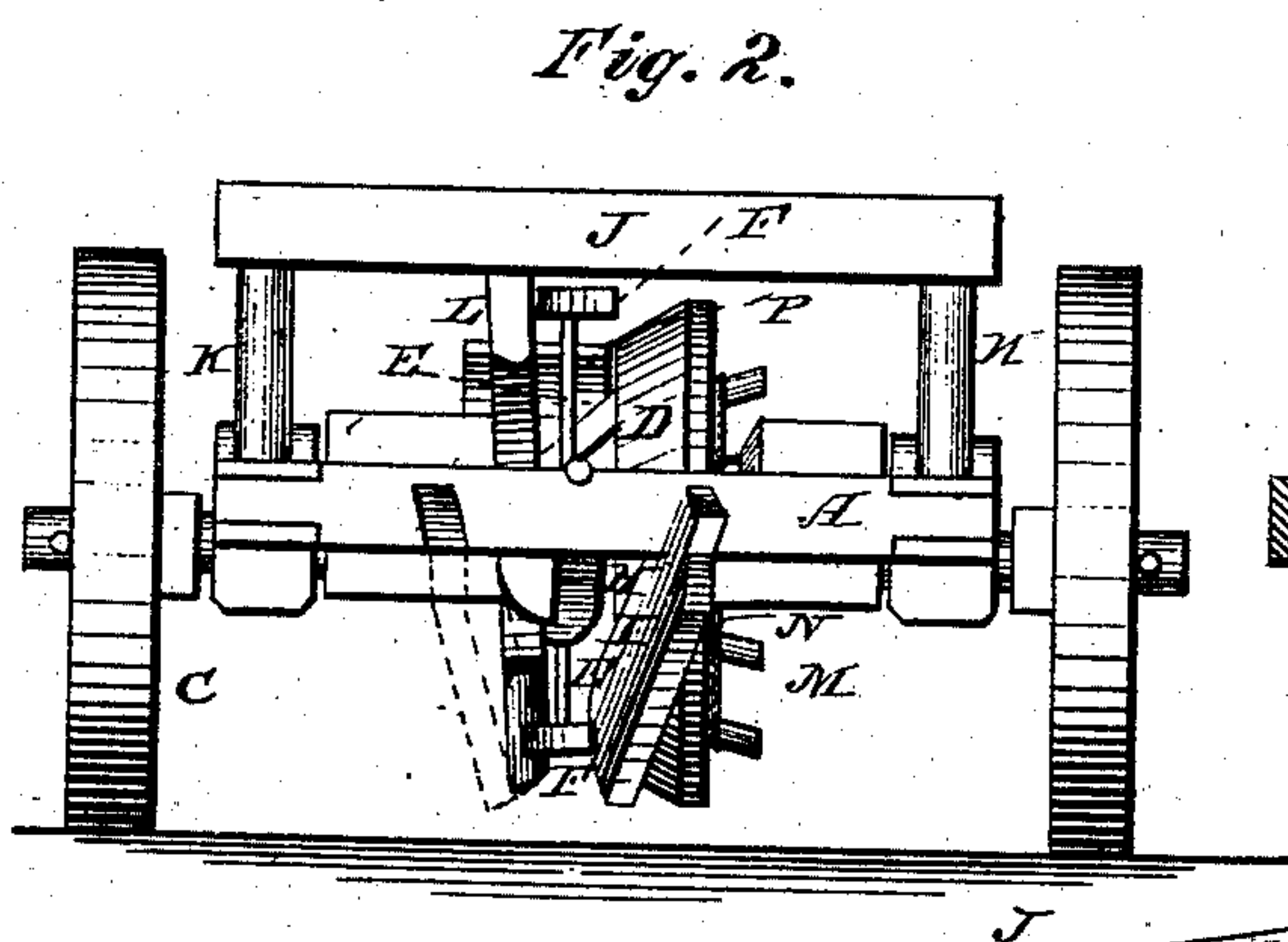
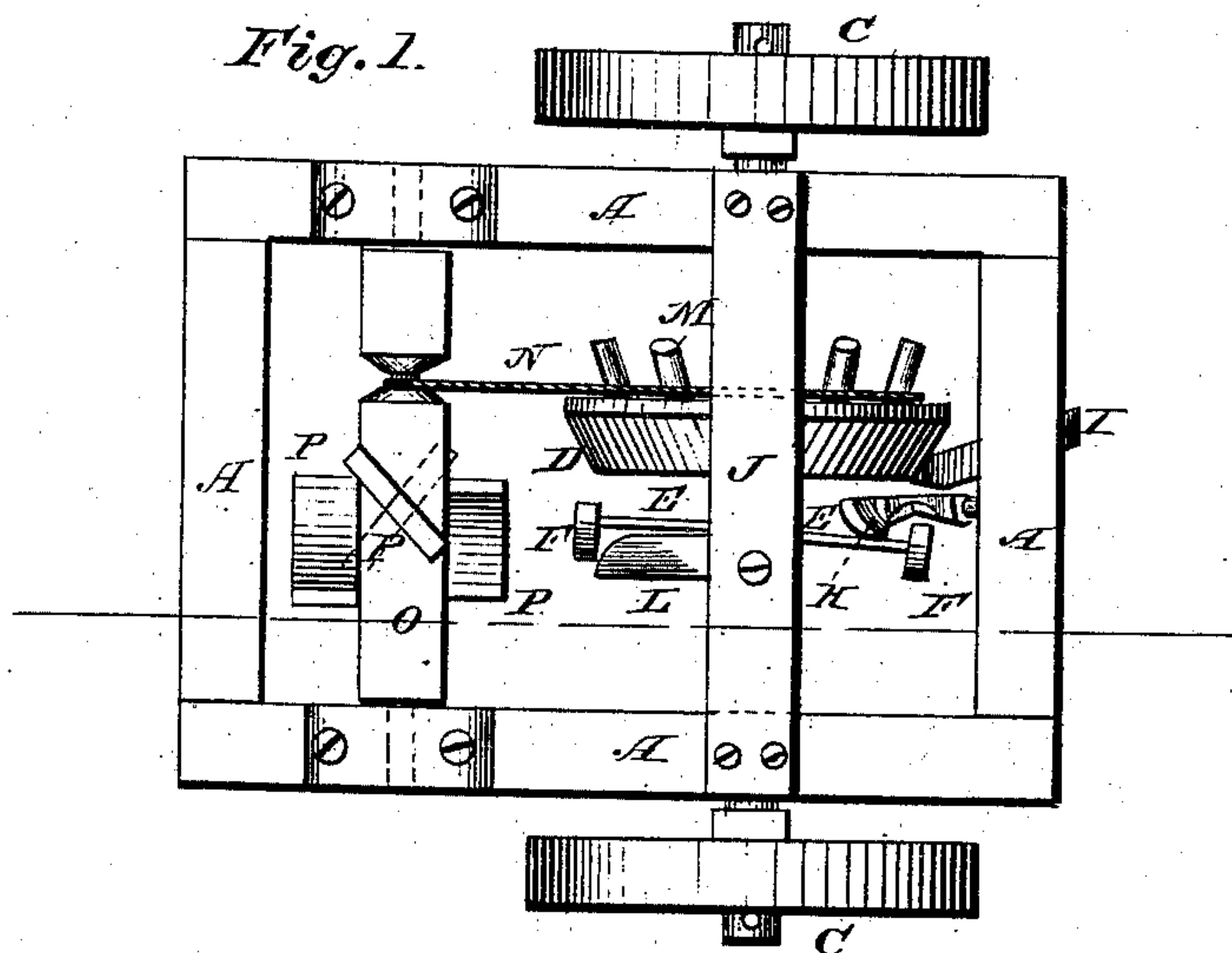


(No Model.)

J. C. WILSON.
Cotton Stalk Puller.

No. 238,825.

Patented March 15, 1881.



WITNESSES

J. F. Dietrich.
Fred. Dietrich

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ATTORNEYS

UNITED STATES PATENT OFFICE.

JOHN C. WILSON, OF CAMERON, TEXAS.

COTTON-STALK PULLER.

SPECIFICATION forming part of Letters Patent No. 238,825, dated March 15, 1881.

Application filed April 10, 1880. (No model.)

To all whom it may concern:

Be it known that I, JOHN C. WILSON, of Cameron, in the county of Milam and State of Texas, have invented certain new and useful
5 Improvements in Cotton-Stalk Pullers; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the
10 same, reference being had to the accompanying drawings, which form a part of this specification.

Figure 1 is a top view. Fig. 2 is a front view. Fig. 3 is a longitudinal sectional view;
15 and Fig. 4 is a detail view, in perspective, of the stalk-pulling mechanism.

Corresponding parts in the several figures are denoted by like letters of reference.

This invention relates to an improved machine for pulling cotton-stalks, the construction of which will be hereinafter more fully described, and particularly pointed out in the claim.
20

In the drawings hereto annexed, A represents a rectangular frame mounted upon an axle, B, supported upon wheels C C, one of which, for convenience in turning, is loose, while the other is fixed upon the axle. The
25 latter, which between the side pieces of the frame is square in cross-section, revolves in suitable boxes or bearings upon the under side of the frame.
30

Upon the axle, within the frame, is secured a wheel or disk, D, of slightly less diameter
35 than the transporting-wheels.

Upon each of the four sides of the axle, closely adjoining the disk D, is pivoted a rod, E, carrying at its end a block, F, flat upon its inner side, (adjoining the disk,) but beveled
40 upon its outer side, as shown. Said blocks should reach nearly or quite to the periphery of the disk D. Check-plates G are provided upon the axle for the purpose of preventing the rods E from swinging too far away from
45 the disk D.

H is a beveled guide secured to the front beam of the frame, from which it projects in a rearward direction, for the purpose of throwing the blocks F away from disk D when the
50 machine is in operation, so as to grasp the cotton-stalks, which are guided in between the disk D and the pivoted rods F by an inclined guide, I, secured to the front beam.

A cross-piece, J, secured above the axle upon uprights K, rising from the sides of the frame, 55 carries a downward-projecting stiff spring, L, the lower end of which is beveled or curved in a forward direction, so as to engage the beveled blocks F and force them against the face of wheel D, between which and the said
60 blocks F the cotton-stalks are thus clamped and held securely while being pulled out of the ground by the continued rotary motion of the disk D.

A suitable wheel or drum, M, upon the side 65 of disk D, or upon the axle, is connected by a band or belt, N, with a shaft, O, mounted in suitable bearings in the rear of the axle. The said shaft, to which a rotary motion is thus imparted, is provided with inclined beaters
70 P, to disengage from the blocks F such of the cotton-stalks as do not of themselves drop upon the ground.

A seat for the driver may be provided upon the cross-piece J.
75

From the foregoing description, taken in connection with the drawings hereto annexed, the operation of my invention will be readily understood. It is driven astride the row, and
80 will be found to operate rapidly and with absolute certainty. It is simple, durable, and may be constructed at a very small expense.

A pulling-wheel having radial jaws that are opened and closed by cam devices has been heretofore used in stalk-pullers, and is not
85 broadly claimed herein.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

The cotton-stalk puller consisting of the 90 frame A and axle B, having rotating disk D, the rods E, carrying the blocks F, the check-plate G, secured to the axle to prevent the rods E from being disengaged from the disk, the beveled guides I H, and the guide L, attached
95 to the cross-piece J, the lower end of which is beveled to engage the blocks, whereby they are forced against the disk, as shown and described.

In testimony that I claim the foregoing as 100 my own I have hereto affixed my signature in presence of two witnesses.

JOHN C. WILSON.

Witnesses:

JAMES B. MOORE,
H. M. DILLARD.