

No. 685,865.

Patented Nov. 5, 1901.

J. PLUCK.
CORN SHUCK CHOPPER.

(Application filed Feb. 15, 1900.)

(No Model.)

2 Sheets—Sheet 1.

Fig. 1.

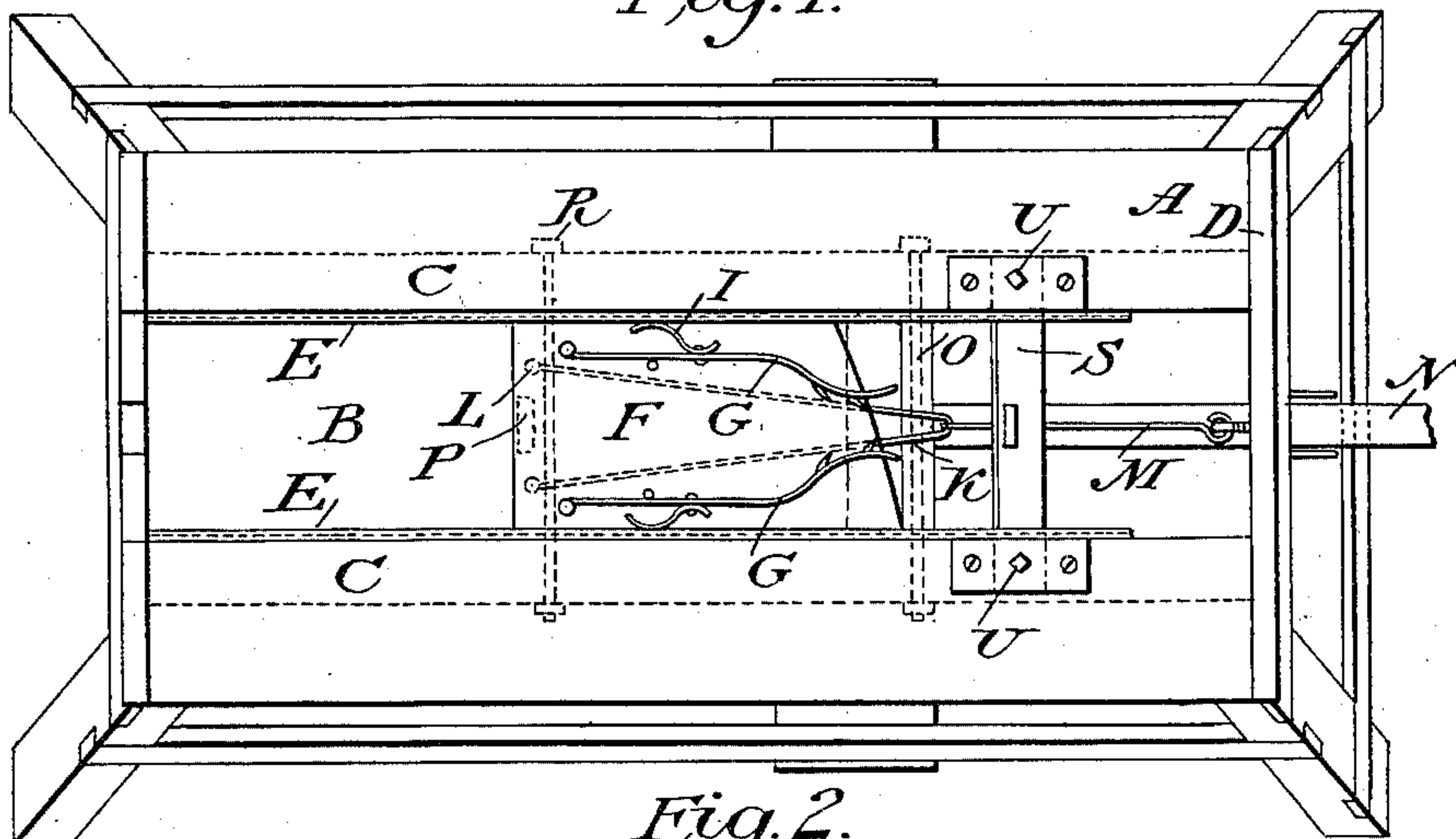
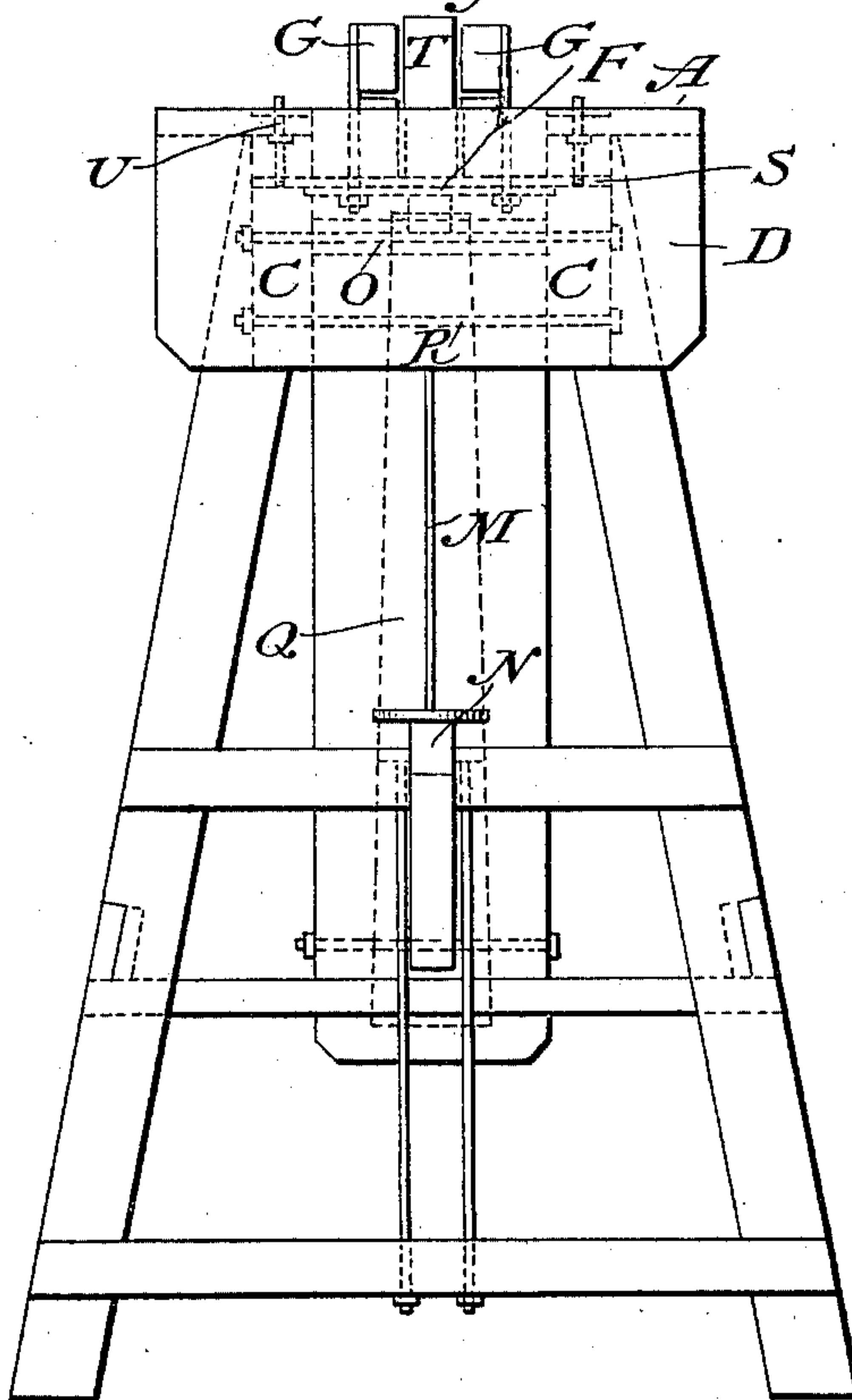


Fig. 2.



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H. P. King,
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Inventor:
James Pluck.

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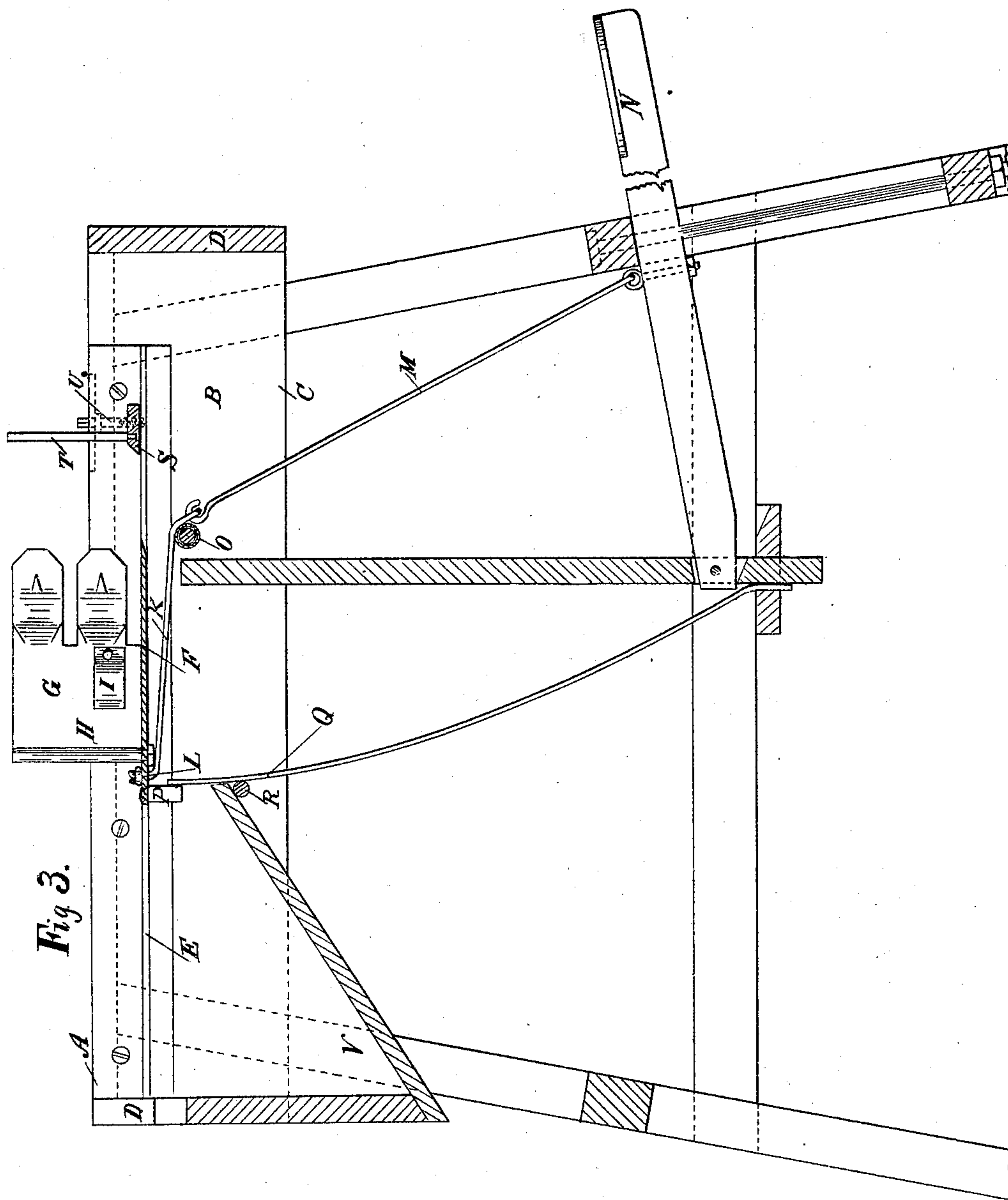
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2 Sheets—Sheet 2.



WITNESSES:

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JAMES PLUCK, OF HONDO, TEXAS, ASSIGNOR OF ONE-HALF TO H. MORGAN KING, OF HONDO, TEXAS.

CORN-SHUCK CHOPPER.

SPECIFICATION forming part of Letters Patent No. 685,865, dated November 5, 1901.

Application filed February 15, 1900. Serial No. 5,401. (No model.)

To all whom it may concern:

Be it known that I, JAMES PLUCK, a citizen of the United States, residing at Hondo, in the county of Medina and State of Texas, have
5 invented a new and useful Corn-Shuck Chopper, of which the following is a specification.

My object is to provide an improved implement for cutting and removing the corn shuck or husk from the ear of corn more rapidly than
16 any machine in the market.

The invention consists of a table having in the middle of the top a longitudinal recess with grooves on its sides, in which by means of pressing down a treadle a horizontal knife-
15 blade slides to and fro. This knife-blade carries on its upper side a pair of movable clamps for holding an ear of corn in its place against an upright standard which is fastened on top of a stationary knife-blade. When pressing
26 down the treadle, the movable knife slides against and under the stationary knife-blade, thereby cutting the lower part of the ear of corn and removing the corn shuck or husk off the same, as set forth in detail hereinafter.

In the accompanying drawings, Figure 1 is a top view of the entire corn-shuck chopper. Fig. 2 is a front view of the same. Fig. 3 is a medial vertical longitudinal section of double the scale of Fig. 2.

30 Similar letters refer to similar parts throughout the several views.

A is a wooden table of convenient size.

B is a longitudinal recess in the top of the table, inclosed by two wooden side pieces C
35 and two wooden end pieces D. To each of the two side pieces C is screwed an iron guide with longitudinal groove E, in which slides to and fro a horizontal knife-blade F. This knife-blade F carries on its sides, at the upper part, two upright curved jaws G, which
40 are fastened into the knife-blade by threaded pins and nuts H at their extreme lower ends. Springs I are riveted at one end to the outside of the jaws, and the curved end slides
45 against the guides E, thereby pressing the jaws together sufficiently to grip the ear of corn. To prevent the jaws closing completely,

a stop J is placed into the knife-blade inside against each jaw.

To the under side of the knife-blade F is
50 fastened a long loop K of wire cable by passing the ends through holes L and forming on top of the knife-blade a knot. This long loop extends from the rear under the knife-blade to the front of the same, thereby passing over
55 a guide-roller O. In the loop K is hooked the connecting-rod M of the treadle N.

The under side of the knife-blade F carries also at the center of its extreme end a stop P. When the treadle N is pressed down with the
60 foot, the stop P will force the upper end of the steel spring Q, resting now against the stop R, and which is conveniently fastened with the lower end to the frame of the table, in the direction to the front, and when the
65 treadle is released of the foot the spring Q will force the knife-blade, with the jaws, back to their former position, thereby lifting up the treadle.

S is the stationary knife-blade, inserted into
70 the side pieces C and to be adjusted in the vertical direction by two screws U to the sliding knife-blade F, that the same pass exactly under the blade S and forms shears. The knife-blade S carries at its top an upright iron
75 piece T, the same width as the open mouth of the jaws G.

To relieve the ear of corn of the shuck or husk, it is held against the upright T and the treadle pressed down, when the jaws will
80 grip the ear of corn and the knife-blade cut the bottom part of the same. By relieving the treadle the lower part of the ear of corn and the shuck will fall down beneath the knife, the jaws hold the clean ear of corn, and the
85 next when cut will shift the first one back in the jaws. The third one drops the first ear out of the rear part of the jaws into the chute V of the machine, and so on.

Having fully described my invention, what
90 I claim, and desire to secure by Letters Patent, is—

In a corn-shuck chopper the table A with a longitudinal recess B provided with grooves

E, in which slides a horizontal knife-blade F, a pair of upright curved jaws G with springs I on their outside, and bolted to the knife-blade F, a stationary knife-blade S with an
5 upright bar T and two adjusting-screws U, a stop P at the center of the extreme end on the under side of the knife-blade F, a vertical spring Q pressing against the stop P, a loop K of wire cable, a treadle N, a connecting-rod M hooked with one end into the loop 10 K and with the other end to the treadle N, substantially as specified.

JAMES PLUCK.

Witnesses:

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