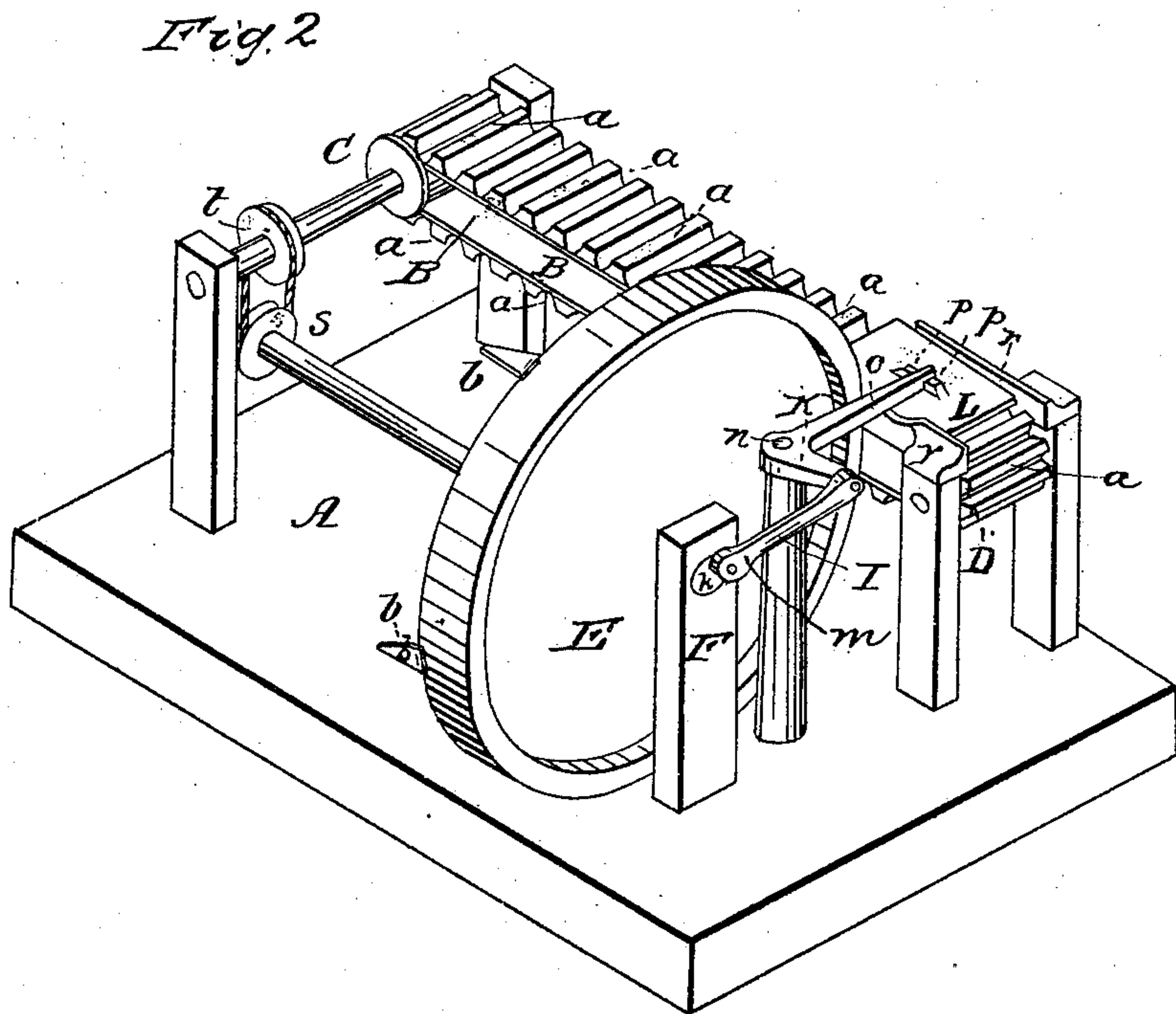
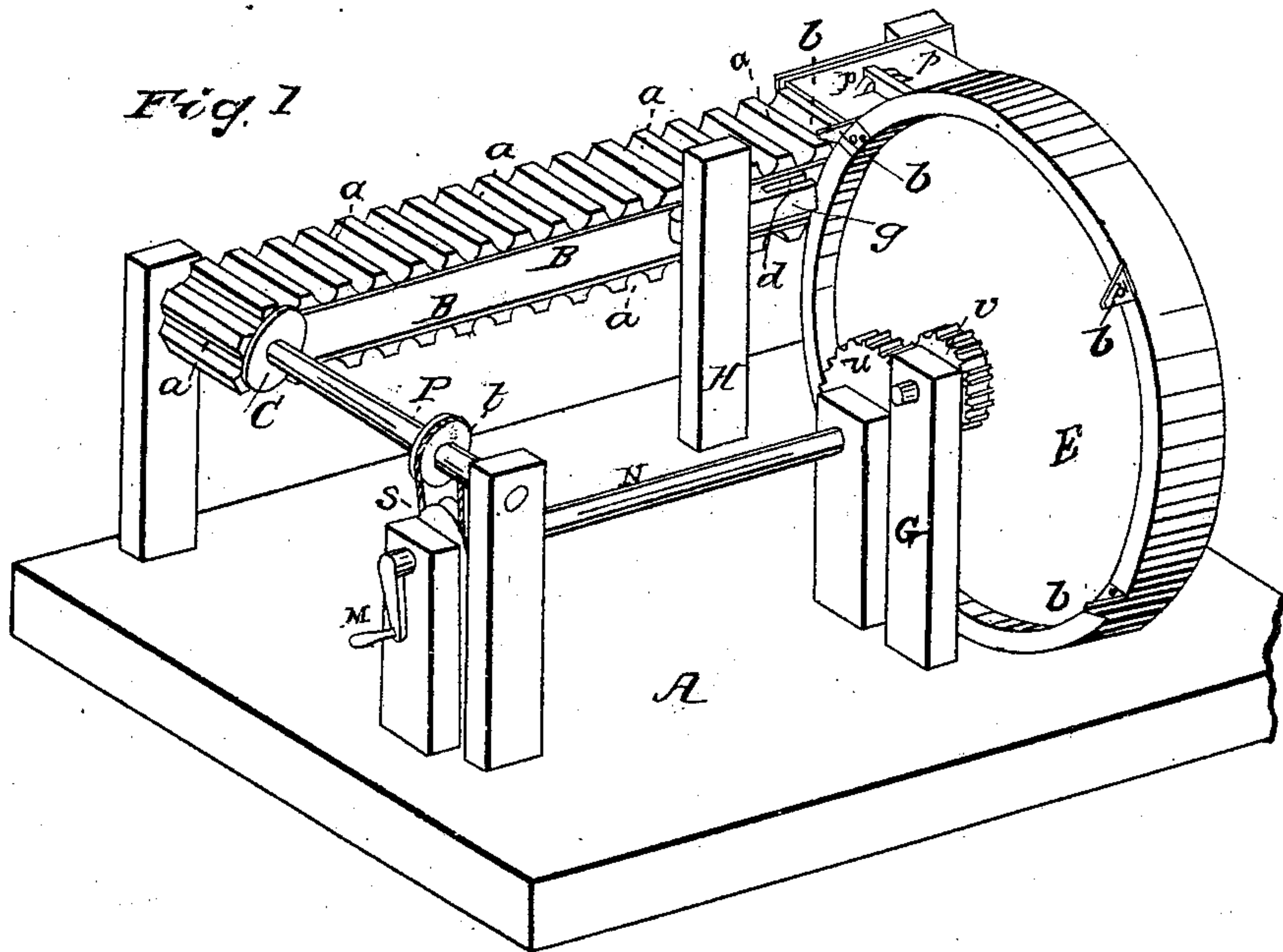


A. M. GEORGE.

Corn Husker.

No. 18,331.

Patented Oct. 6, 1857.



UNITED STATES PATENT OFFICE.

A. M. GEORGE, OF NASHUA, NEW HAMPSHIRE.

CORN-HUSKER.

Specification of Letters Patent No. 18,331, dated October 6, 1857.

To all whom it may concern:

Be it known that I, AMMI M. GEORGE, of Nashua, in the county of Hillsboro and State of New Hampshire, have invented certain
5 new and useful Improvements in Corn-Huskers; and I do hereby declare that the following is a full, clear, and exact description of its construction and operation, reference being had to the accompanying drawings, making part of this specification, in
10 which—

Figure 1, represents a perspective view of said corn husker. Fig. 2, represents a perspective view of the same machine taken
15 from the rear side of Fig. 1.

To enable others skilled in the art to make and use my invention, I will proceed to describe the same with reference to the drawings.

20 A, represents the bed of the machine to which are secured the different standards, which support the bearings of the shafts and rollers hereafter to be described.

B, represents an endless belt of leather,
25 or any other flexible material, which passes over two rollers C and D, and which travels with said rollers when they are rotated. This belt is provided at its outer side with a number of slats *a*, which are secured along
30 side each other, and leaving such spaces between them as are just wide enough to receive a cob between two slats.

E, represents a disk wheel, which has its bearings in the two uprights or standards
35 F, G, and the face of which is placed in a position perpendicular to the line or direction in which the apron B moves. The disk E, is provided at its circumference with knives *b*, the blades of which as the wheel is
40 revolved pass through the groove *d*, of the arm *g*, which is attached to standard H.

The trunnion *k*, of the disk E, which passes through standard F, is provided at its outer face with an eccentric pin *m*, to which
45 the connecting rod I is hinged, and the other end of said connecting rod is hinged to the short arm of lever K, which turns on fulcrum *n*, while the long arm *o* of said lever passes between the projections *p* on

the upper face of the board L. This board 50 L rests upon the slats *a*, and as it is vibrated on said slats and within its guides *r*, it is caused to act upon the corncobs and husks as will be more fully described.

The operation of this machine is as fol- 55 lows: By turning crank M, a rotary motion is imparted to the shaft N, and roller S, and cogged wheel *u*, the motion of roller *s*, is transmitted to roller *t*, by means of a belt or rope, and to shaft P, and a rotary 60 motion is thus imparted to roller C, and a traveling motion to the apron B. The attendant now places the ears of corn, each between two of the slats *a* and the ears are thus carried forward. The disk wheel E, 65 has a rapid revolving motion imparted to it, by means of the cogged wheels *u*, and *v* and when the ears arrive opposite the groove *d* in arm *g*, the butt end of each ear is cut off by the action of the knives *b*. Dur- 70 ing this process of cutting, the butt end rests on the arm *g*, and the blade separates the stalk from the ear, and passes through the slot *d*, while the ear passes on with belt B. As the ear passes on, it is carried under the 75 vibrating board L, which is vibrated at a great speed by the arrangement of the eccentric pin *m*, connecting rod I, and lever K, and acts on the ears in such a manner as to strip them of their husks, and when this is 80 accomplished the husked ears are discharged to the rear of the machine at the point where the apron B commences its rearward motion.

Having thus fully described the nature of 85 my invention, what I claim therein as new, and desire to secure by Letters Patent, is—

The combination of the revolving cutter wheel E, with the traveling endless apron B, slotted arm *g* and the vibrating husking 90 board L, arranged and operating substantially in the manner and for the purpose herein described.

A. M. GEORGE.

Witnesses:

JOHN H. GAGE,

FRANKLIN MUNROE.