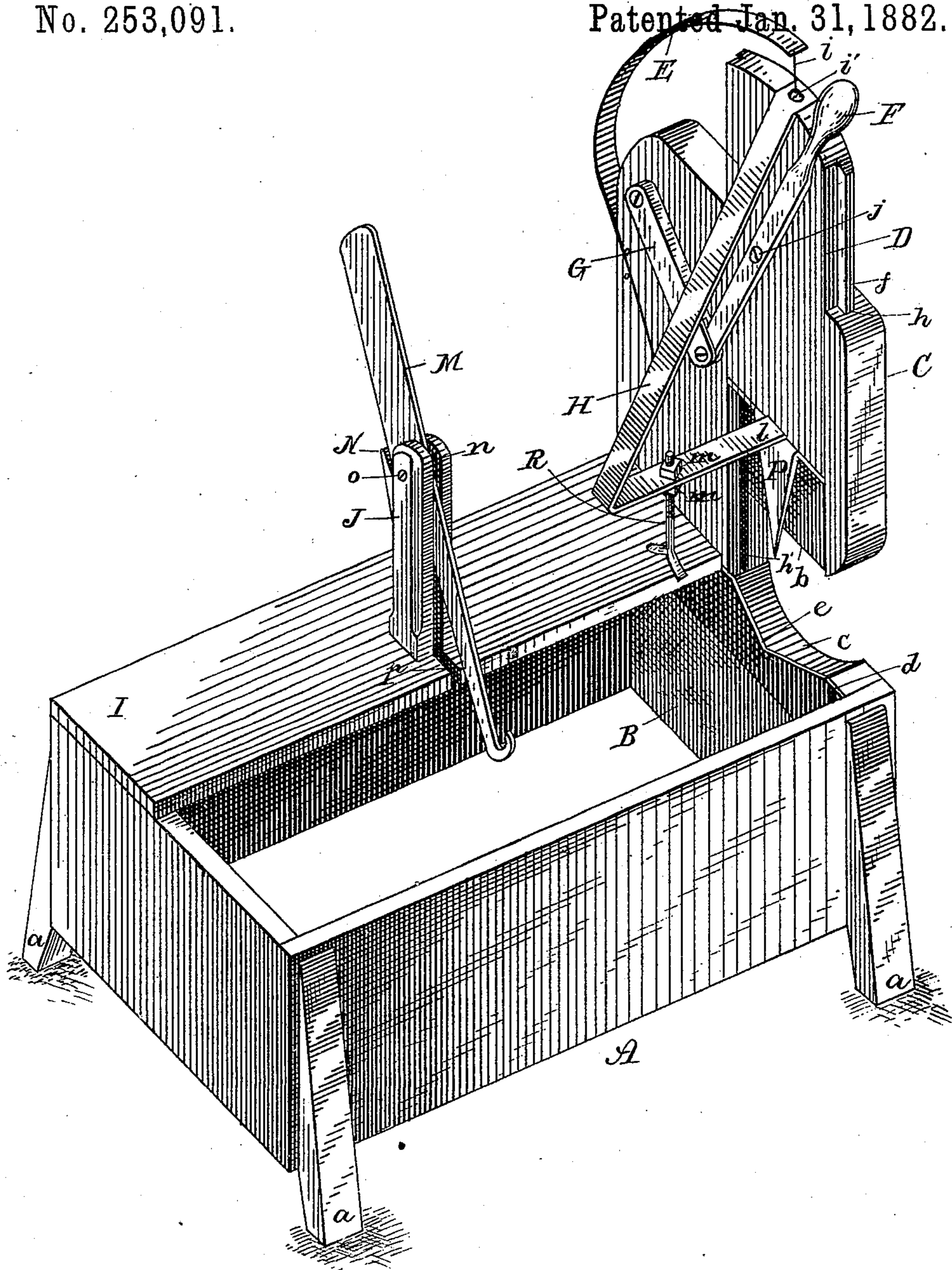


(No Model.)

F. OHMART.
CORN HUSKING MACHINE.

No. 253,091.

Patented Jan. 31, 1882.



Witnesses:

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UNITED STATES PATENT OFFICE.

FERDINAND OHMART, OF SAGINAW, MICHIGAN.

CORN-HUSKING MACHINE.

SPECIFICATION forming part of Letters Patent No. 253,091, dated January 31, 1882.

Application filed October 29, 1881. (No model.)

To all whom it may concern:

Be it known that I, FERDINAND OHMART, a citizen of the United States, residing at Saginaw City, in the county of Saginaw and State of Michigan, have invented certain new and useful Improvements in Corn-Husking Machines; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawing, and to the letters and figures of reference marked thereon, which form a part of this specification.

My invention relates to corn-huskers; and its object is to provide a corn-husker of few parts and economical construction, which may be easily operated with effective and satisfactory results.

The invention consists in the construction hereinafter described.

The drawing represents a perspective view of my improvement.

A represents a box supported by four legs or standards, *a*. One end, B, of the box extends above the opposite end and sides to constitute a standard, C, to support the operating-knife and other mechanism of the machine. The standard is cut away to form an opening, *b*, for the insertion of the stalk and ear of corn, and the lower side of the opening *b* is curved to form a rest, *c*, for the ear. The inner side of the end B is provided with a transverse stationary knife, *d*, secured to said end at about the height of the opposite end of the box, and in such manner as to present a cutting-edge, *e*, opposite the rest *c*, at which point it is formed inclined or curved to correspond somewhat to the rest *c*, and project slightly above the latter.

The inner side of the standard C, above the opening *b*, is grooved and recessed to receive a sliding piece or plunger, D, which is provided with ribs or tongues *f*, to travel in grooves *h h'* of the standard. The groove *h'* extends from the top of the standard to the rest *c*, while the groove *h* extends only the length of that portion of the standard above the opening *b*.

To the lower end of the plunger D is secured any desired form of cutter, P, the form shown being a tapering knife.

E represents a flat spring, one end of which is set into or otherwise secured to the side of the standard C, while the other end is bent over the standard, as shown, and attached to the upper end of the plunger D by means of a wire, *i*, attached to a stud, *j*, on said plunger.

Secured to the plunger, at about a central point thereof, by a pivot, *j*, is a lever, F, its inner end being pivoted to a link, G, which is pivoted to the inner side of the standard C, near the top of the latter.

H represents a triangular bracket, the upper end being secured to the upper end of the plunger D, and the lower end to the lower end of the plunger. The lower arm, *l*, of this bracket supports a bifurcated arm, R, which is screwed into the arm *l*, and held in position by the nuts *m*, and may be adjusted vertically, as desired. The normal position of this arm R is as shown in the drawing, its bifurcated end projecting slightly below the point of the cutter P.

One side of the box A is provided with a cover, I, upon which is secured a short standard, J, the latter being provided with a longitudinal slit, *n*, within which is pivoted a hooked lever, M, by a pivot, *o*. This lever is prevented from falling farther toward a horizontal position than the one shown by a stop, N, secured to the outer side of the standard J; but said lever may be turned to a vertical position by means of the slit *p* in the cover I.

The operation of my machine is as follows: A stalk is placed on the machine so that the butt of one of the ears will be under the knife P, and the husk on one side of the ear will catch on the hook of the lever M. The plunger D is then pulled down by its lever, and the bifurcated arm R, being properly adjusted relative to the knife, will strike the ear before the latter and press the ear downwardly from the hook, thus tearing the husk from the side of the ear nearest the hook, and leaving the husk on the stalk and hook. The knife will then strike the center of the butt, cutting a portion of the husk, but before the butt is completely severed the ear will have been broken off and forced out of the husk into the box A by the pressure of the arm R, and the larger portion of the husk will be left upon the stalk. The plunger is readily retracted by the spring E.

The lever M may be tilted to assist in removing the husks or stalk caught by its hook, and also, when it is desired to remove the husked ears through the top opening of the box, the lever may be turned to a vertical position out of the way.

The machine above described can be manufactured at a comparatively small cost, and owing to the simplicity of its parts and their ease of operation, it is durable, and not liable to breakage or disarrangement.

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

1. The combination, with the standard and stationary knife, of a plunger provided with a cutter, a spring for retracting the plunger, an operating-lever, and a triangular bracket carrying the adjustable arm, substantially as set forth.

2. The combination, with the box, partial cover, and cutting devices, of a standard having a longitudinal slit, and a pivoted hook-lever, substantially as set forth.

3. The combination, with the box A, end B, and standard C, the latter being recessed and grooved, as described, of the stationary cutter, the plunger D, sliding in the grooves of the standard, the cutter P, triangular bracket H, arm R, lever F, link G, and the spring E, substantially as set forth.

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

FERDINAND OHMART.

Witnesses:

A. WM. ACHARD,
HENRY CROLL.