

(No Model.)

B. B. PRICE.
CORN SHELLER.

No. 370,022.

Patented Sept. 13, 1887.

Fig. 1.

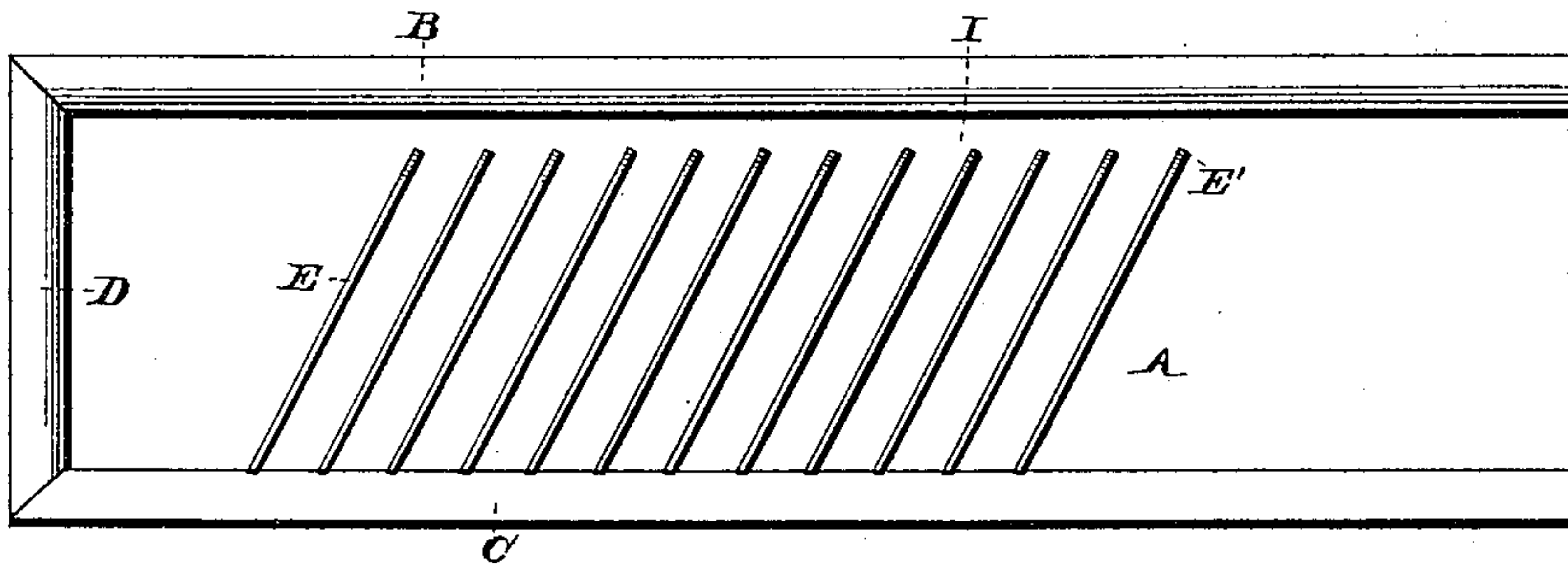


Fig. 2.

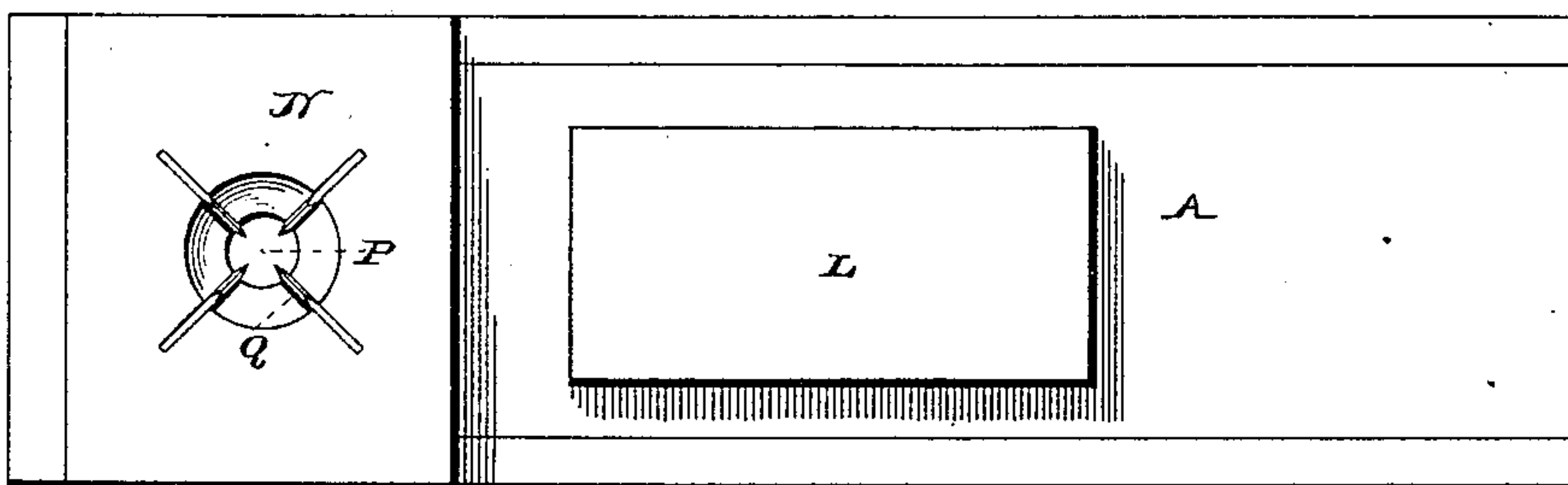
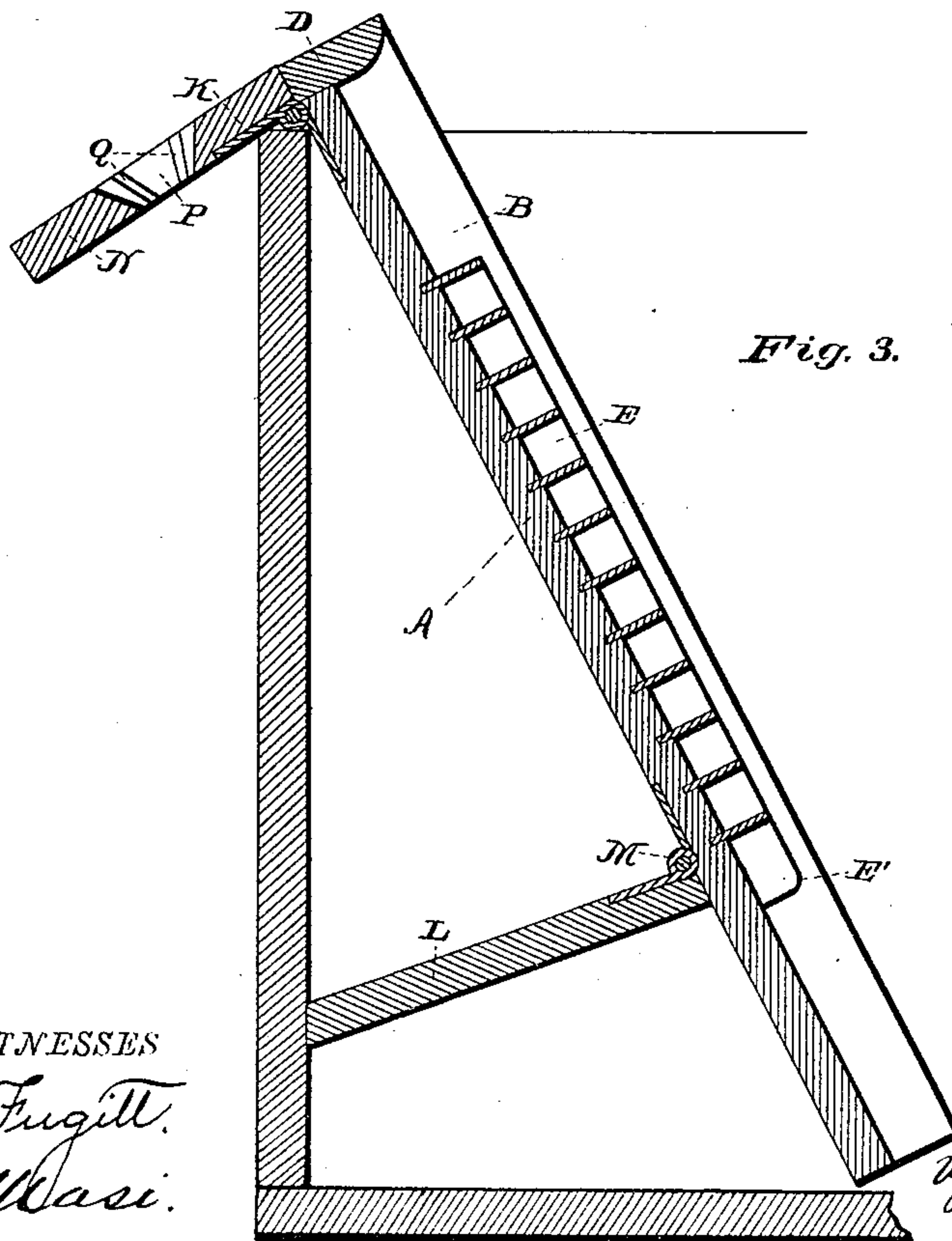


Fig. 3.



WITNESSES

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BENJAMIN B. PRICE, OF ARLINGTON, TEXAS.

CORN-SHELLER.

SPECIFICATION forming part of Letters Patent No. 370,022, dated September 13, 1887.

Application filed March 16, 1887. Serial No. 231,178. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN B. PRICE, a citizen of the United States, residing at Arlington, in the county of Tarrant and State of Texas, have invented certain new and useful Improvements in Corn-Shellers; 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 drawings, and to letters or figures of reference marked thereon, which form a part of this specification.

Figure 1 is a plan view of the front of the sheller. Fig. 2 is a plan view of the rear of the sheller with the nubber-plate and arm L folded. Fig. 3 is a vertical section of the sheller in position for use.

My invention relates to corn-shellers; and it consists in the construction and novel combination of parts, as hereinafter set forth.

Referring by letter to the accompanying drawings, A designates the body of the corn-sheller, which is provided with flanges B C along its side edges, and a flange, D, across its upper end, said flanges projecting upwardly or above the upper face of the body A.

On its front face the body A is provided with downwardly-inclined transverse blades E of metal, preferably steel, which extend nearly across the face of the body A. The blades E are rounded on the outer corners, E', of their lower ends. The space I (shown in Fig. 1) left between the rounded lower ends of the blades and the flange B is for the detached kernels of corn to fall through into the barrel or box on which the corn-sheller is supported.

On its rear face, at the upper end of the body A of the corn-sheller, I provide a hinged nubber-plate, N, which serves as a supporting-arm, and is constructed, as hereinafter described, for use in breaking or cutting off the smaller end of the ear of corn, at which end unsound kernels of corn are frequently found. The nubber-plate is hinged at K to the upper end of the rear face of the body A, and when opened out extends at nearly a right angle from the body A and inclines slightly downward. When folded, the nubber-plate rests against the rear face of the body A.

Near its lower end the body A of the sheller

is provided with an arm, L, which is secured to the body A by a hinge, M, and when opened out extends nearly at a right angle to the body A and slightly upward, or in the direction of the top of the body of the corn-sheller. The nubber, centrally located in the nubber-plate N, is formed with a countersunk circular opening, P, having four blades, Q, radially disposed therein, which are equal in length to the thickness of the board in which they are secured. The blades Q project inwardly toward the center of the opening P, their edges being parallel with the bevel of the opening, and are designed to break away the small end of the ear of corn upon pressing the ear into the opening, and at the same time give it a rotary motion.

The nubber-plate N, when opened, rests upon the edge of the receptacle for shelled corn, and the hinged arm L, when opened out, rests against the inner face of the barrel or box used for this purpose, and causes the body of the sheller to assume the proper inclined position for permitting the ear of corn to be rubbed over the blades E by holding the ear of corn in the hand, and thereby separating the corn from the cob. The kernels of corn that do not fall directly into the barrel or box are conducted or slide down the inclined blades to the space I, Fig. 1, and fall through said space to the interior of the barrel or box.

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

1. The combination of the body provided with the side flanges, the top flange and the inclined blades extending nearly across the face of the body, the hinged supporting-arm at the top of the body, and the hinged arm near the lower end of the body of the sheller, substantially as specified.

2. The combination, with the body of the sheller, of the hinged supporting-arm provided with the countersunk opening having the radial blades therein, substantially as specified.

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

BENJAMIN B. PRICE.

Witnesses:

J. A. BEAL,
W. L. SWEET.