H. C. CREEKMORE & J. W. McMILLIN.

Corn-Sheller.

No. 166,751. Patented Aug. 17, 1875.

Fig. 2.

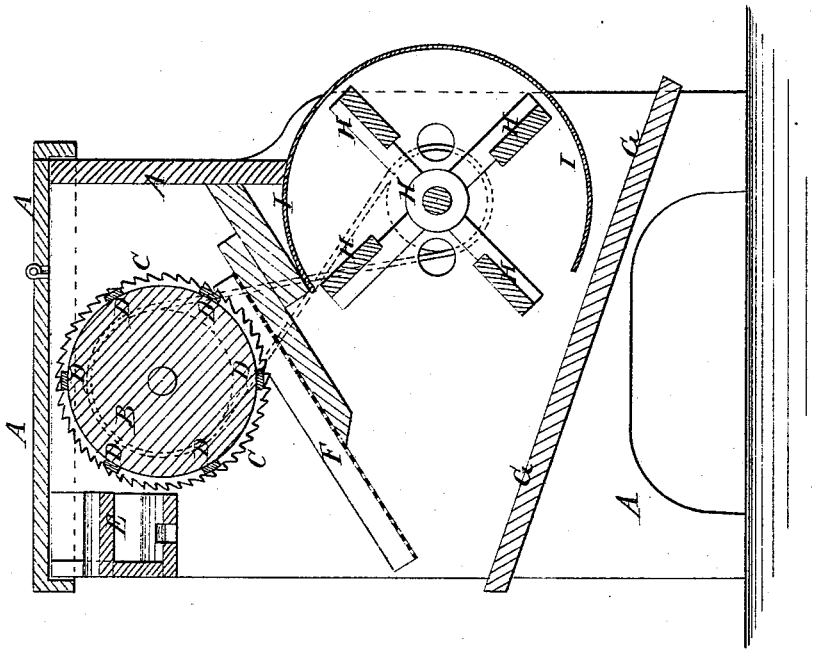
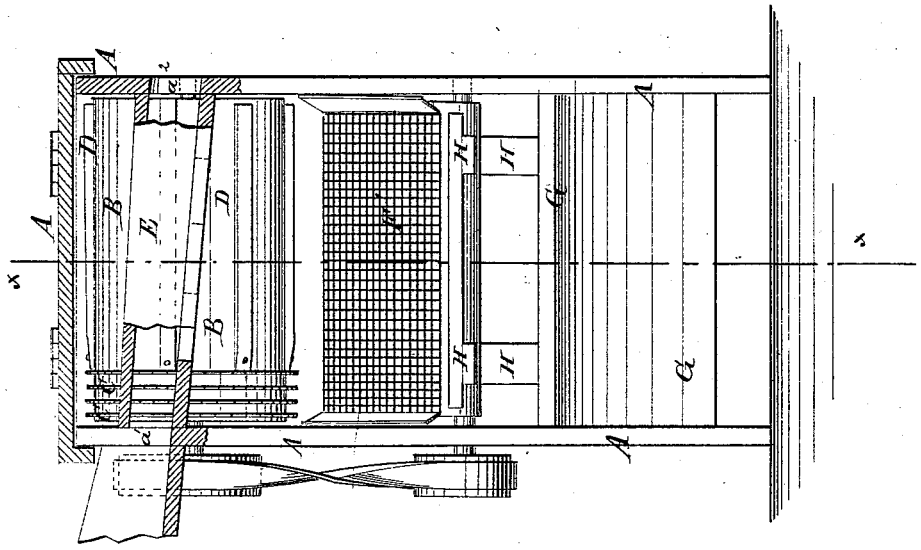


Fig. 1.



WITNESSES:

Chas. Nida

A. F. Troy

INVENTOR:

H. C. Creekmore and John W. McMillin

BY

ATTORNEYS.

UNITED STATES PATENT OFFICE.

HIRAM C. CREEKMORE AND JOHN W. McMILLIN, OF SALADO, TEXAS.

IMPROVEMENT IN CORN-SHELLERS.

Specification forming part of Letters Patent No. **166,751**, dated August 17, 1875; application filed April 17, 1875.

To all whom it may concern:

Be it known that we, HIRAM C. CREEKMORE and JOHN W. McMILLIN, of Salado, in the county of Bell and State of Texas, have invented a new and useful Improvement in Combined Corn Husker, Sheller, and Cleaner, of which the following is a specification:

Figure 1 is a rear view of our improved machine, parts being broken way to show the construction. Fig. 2 is a vertical section of the same, taken through the line *x x* of Fig. 1.

Similar letters of reference indicate corresponding parts.

The invention relates to the combination, with an inclined box, open on one side, of a cylinder or roller, to which saws and strips or bars are applied as means whereby the husks are stripped from the ears of corn, and the kernels removed as the ear passes through the box.

A is the box or case of the machine, in the upper part of which is pivoted a cylinder, B, to which at one end are attached a number of saws, C, the teeth of which project beyond the face of the cylinder B, to cause them to take hold of the husks of the ears of corn and tear them off. To the face of the cylinder B are attached a series of longitudinal iron strips, D, extending from the husking-saws C to the other end of the said cylinder B. In the rear upper part of the box A, and close to the rear side of the cylinder B C D, is secured a box or spout, E, open upon the side next the said cylinder, set at such an inclination that the ears of corn will slide through it, and of such a size that the sides of the ears of corn, while passing through it, will bear against the side of the cylinder B, so as to be husked by the saws C and shelled by the iron strips D. The ears of corn are inserted into the upper end of the box or spout E through an opening, a^1, in one side of the box A, and the cobs escape through an opening, a^2, in the other side of the box A, opposite the lower end of the said feed-box E. Motion may be given to the cylinder B C D by hand or other power applied to one of its journals by means of a crank or pulley. The machine may be provided with a feeding device for feeding the ears into the box or spout E, or the feeding may be done by hand.

The husks and kernels removed by the saws C and iron cleats D pass down through the space between the cylinder B and the edge of the bottom of the feed-box E, and through slots or openings in the bottom of said feed-box E. The husks and kernels fall upon the screen F, placed in the box A below the cylinder B C D and the feed-box E, and which inclines toward the rear side of the machine, so that the husks may slide down the said screen, and fall from its lower edge to the floor. The kernels fall through the screen F to the inclined apron G, and escape through an opening in the front of the box A, at the lower edge of the said apron G, where they may be received in a bag or other receiver. H is a fan-wheel, placed in a fan-chamber, I, formed in the lower forward part of the box A. The fan-wheel H may be driven by a belt and pulleys from the cylinder B C D. The wind from the fan-blower H I blows away the chaff as it falls from the shelling device to the screen F, and from the screen F to the apron G, and also accelerates the passage of the husks down the screen F.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The combination of the circular saws D and the strips C, applied to the periphery of cylinder B, radial and parallel to its axis, respectively, in combination with the open-side feed-box, as shown and described, whereby the husk-stripping and shelling operations are successively performed.

HIRAM C. CREEKMORE.
JOHN W. McMILLIN.

Witnesses:
JOHN T. EUBANK,
JNO. W. AIKEN.