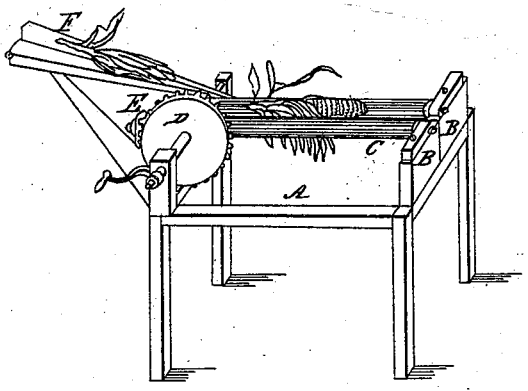
J. CUTLER.

Corn Husker.

No. 324.

Patented July 29, 1837.



UNITED STATES PATENT OFFICE.

JONATHAN CUTLER, OF PUTNEY, VERMONT.

MACHINE FOR HUSKING CORN.

Specification of Letters Patent No. 324, dated July 31, 1837.

To all whom it may concern:

Be it known that I, JONATHAN CUTLER, of Putney, in the county of Windham and State of Vermont, have invented a new and useful Machine for Husking Corn, and the following is a full and exact description of the construction and operation of the machine.

The principles of the machine consists in two rollers which are to be placed on a frame in a horizontal position parallel with each other with bearings at each end on which they are to turn, and are placed in close contact with each other and geared together at one end by a small pinion on each. Over the top of these rollers at one end is placed a feeding board on which the ears of corn are to be placed for the purpose of husking.

This feeding board is connected with the rollers in such a manner as when the rollers are put in motion the ears of corn are carried forward on the top of the rollers. In this situation the husk is seized and drawn down by the motion of the rollers between them and stripped from the ear and carried through between them and discharged. In this manner the ear of corn is divested of husks and carried forward and discharged at the end of the rollers.

The following is the description of a machine which may be varied in size as occasion may require or the judgment of those who use them. The frame which is marked A on the drawing is made of scantling framed together in a quadratic form with legs three feet in length. The length of the frame two feet and the width one foot and six inches, tenoned together and fastened with pins or joint bolts. On the top of the frame in a horizontal position and parallel with each other is placed a pair of revolving rollers, two and one-half feet in length and one and one-half inch in diameter turned and fluted. These rollers marked C on the drawing are placed in bearings which are raised six inches above the top of the frame. The bearings which are marked B on the drawing are placed near the center of the frame on each end. The bearings to one roller is made stationary, and the other is hinged to the frame in such a manner as to permit the rollers to be thrown apart sufficiently to pass the husk through between them. The rollers thus placed are pressed together by means of weights or springs. These rollers are geared together at one end with small pinions on each placed outside of the bearings. On the end of the frame where the rollers are geared together is placed a bevel gear of one foot in diameter marked D on the drawing, the shaft of which is placed in a transverse position with the rollers and is laid on bearings the same height of the rollers. This wheel intersects with one six inches in diameter which is placed on the end of the roller that lies on the stationary bearings, and is marked E on the drawing. And the machine receives its motion from the large gear wheel marked D.

On the end of the machine where the gearing is placed is affixed a feeding board on which are placed the ears of corn which are to be husked, and marked F on the drawing. One end of the feeding board is fastened to the frame at the end where the gears are placed and raised a little above the rollers, and extend back from the rollers in a parallel line with them two feet and is supported by braces extending from the frame to the outer end of the feeding board. On this board is placed an apron of from three to six inches wide made of leather or cloth which is passed over rollers each end of the board, and on the shaft of the roller which comes over the gearing is placed a small pinion which intersects with the large wheel D on the inside of the gearing, and when put in motion carries the apron forward and carries the ears of corn which are placed upon it on the top of the fluted rollers C where the husk is seized by the rollers, and separated from the ear. A crank or pulley is attached to the shaft of the large gear wheel D by which the machine is put in motion. It may be propelled by hand or any other power by which machinery is usually propelled.

What I claim as my invention and wish to secure by Letters Patent is—

The constructing a machine for the husking of corn in the manner above set forth, that is to say in which the ears are fed to revolving rollers by which the husk is seized and drawn off substantially in the manner described.

JONATHAN CUTLER.

Witnesses:
RILEY BRUDITT,
JOSEPH METCALF.