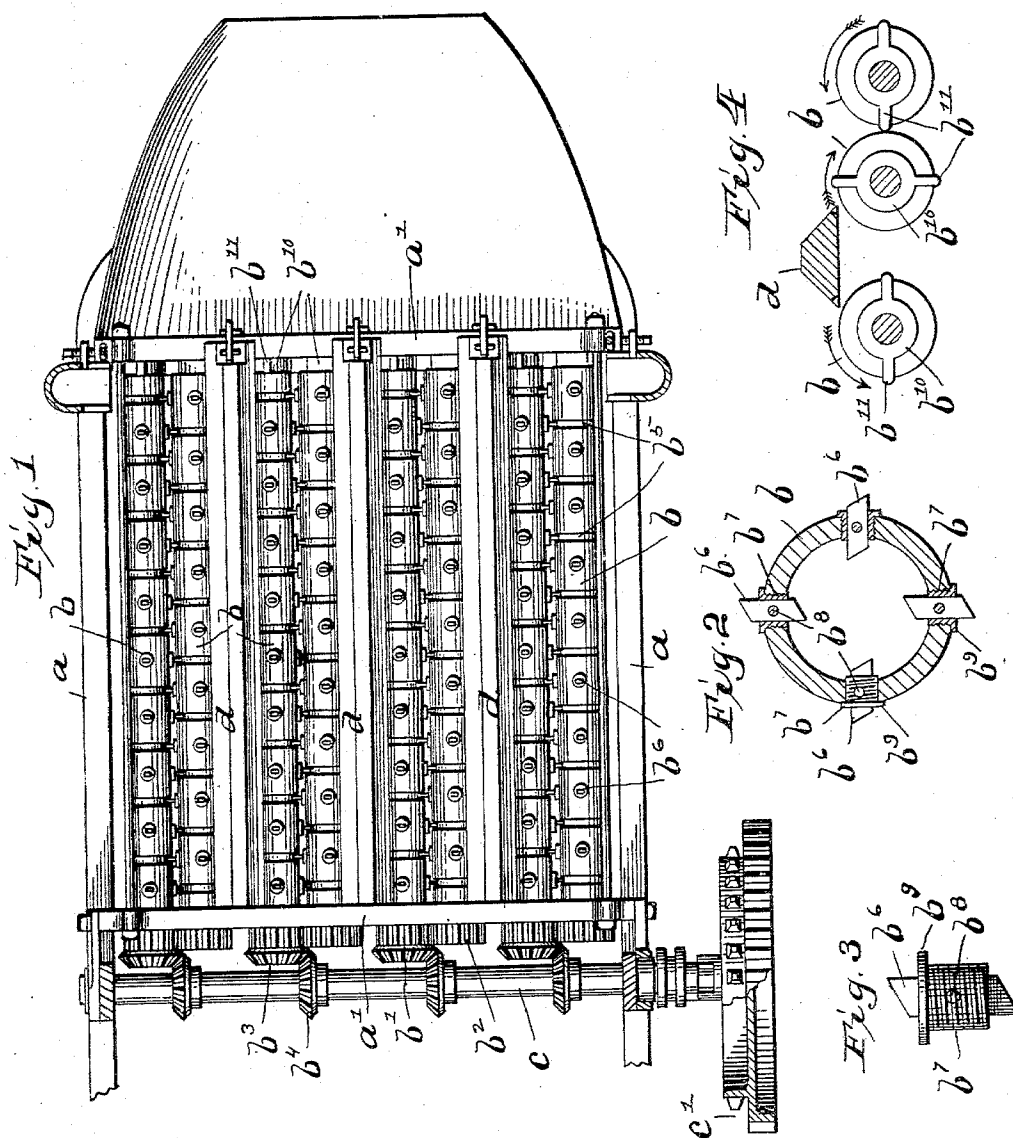


(No Model.)

G. C. JANNEY.
CORN HUSKER.

No. 563,861.

Patented July 14, 1896.



Witnesses
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UNITED STATES PATENT OFFICE.

GEORGE C. JANNEY, OF MUNCIE, INDIANA.

CORN-HUSKER.

SPECIFICATION forming part of Letters Patent No. 563,861, dated July 14, 1896.

Original application filed September 9, 1895, Serial No. 561,930. Divided and this application filed April 16, 1896. Serial No. 587,863. (No model.)

To all whom it may concern:

Be it known that I, GEORGE C. JANNEY, a citizen of the United States, residing at Muncie, in the county of Delaware and State of Indiana, have invented certain new and useful Improvements in Corn-Huskers, of which the following is a specification.

My invention relates to improvements in machines for husking corn, and this application is intended as a division of my pending application, Serial No. 561,930, filed September 9, 1895, for corn-huskers and stock-cutters.

My invention consists in the constructions and combinations set forth in the following specification and claims.

In the accompanying drawings, Figure 1 is a plan view of a portion of a corn-husking machine embodying my invention. Fig. 2 is a transverse sectional view of one of the husking-rolls, showing my improved husking-pin and the manner of applying the same. Fig. 3 is a detail view of the husking-pin. Fig. 4 is an end elevation in detail of a portion of the husking-rolls.

Like parts are represented by similar letters of reference in the several views.

In the said drawings, *a a* represent a frame having at each end cross-bars *a' a'*, in which are journaled the husking-rolls *b*. These husking-rolls are arranged in pairs and geared together at one end by spur-gears *b' b'*. One roll of each pair is also provided with a beveled gear *b³*, which meshes with a similar beveled gear *b⁴* on a transverse driving-shaft *c*. Between the respective pairs of husking-rolls there are placed triangularly-shaped longitudinal bars *d*, which assist in guiding the corn-ears along the respective husking-rolls. Each of the husking-rolls is provided along its length with a series of husking-pins *b⁶*. These pins consist of rectangular pieces of steel or similar material, which are fitted in corresponding openings in screw-threaded sleeves *b⁷*. Each end of each of these pins is cut off at an angle, as shown, and the pin is fastened into the sleeve *b⁷* by a key *b⁸*, which passes through the pin and sleeve, the construction being such that when one end of the pin becomes worn it may be reversed in the sleeve after removing the sleeve from the roll. The

husking-rolls are preferably formed of cast-iron and hollow. The sleeves are preferably formed of brass or other malleable material, and each is provided on its outer periphery with a flange *b⁹*, adapted to be riveted down on the periphery of the roll when the sleeve is screwed into the same, so that the pins will all stand with their greatest width in the line of rotation of said roll. Each of the rolls *b* is further provided with a series of grooves *b⁵*, which are adapted to stand opposite the husking-pin of its supplemental roll.

It will be understood that the husking-rolls are arranged at an angle in the usual way and that the frame supporting the same may be supported in any suitable manner so as to form part of the usual corn-husking machines which embody feeding and stripping rolls, and, if desired, stock-cutting machines, these features being now well known and forming no part of the present invention. The ears of corn to be husked fall on the husking-rolls, which, rotating in pairs toward each other, will, through the agency of the husking-pins, cause the husks to be engaged by the respective rolls and drawn through the rolls, while the ears pass off at the lower end thereof. To provide for more readily discharging the ears from the husking-rolls after they have reached the lower end thereof, I construct said rolls *b* at the ends with reduced portions *b¹⁰*, having projections *b¹¹*. These reduced and extended portions on the different rolls of each pair are arranged so that they stand opposite each other as the rolls are revolved, and the extended portions are brought successively in contact with the ears of corn, which tends to agitate the same and cause them to drop from the rolls into the chute or conduit, which carries them to the elevator or other suitable point of discharge.

The power to drive the shaft may be transmitted from any suitable source through any suitable gearing, such as shown at *c'*, connected to the other portions of the machine.

Having thus described my invention, I claim—

1. In a corn-husker, a series of husking-rolls having husking-pins, each consisting of

a rectangular bar inserted into a screw-threaded sleeve, and means for reversing said bar in said sleeve, substantially as specified.

2. The combination with the husking-roll, of a screw-threaded sleeve having a flange of malleable metal, and a bar of hard material inserted in said sleeve, said bar being reversible in said sleeve, substantially as specified.

3. The combination with a husking-roll, of a screw-threaded sleeve, a rectangular bar inserted in said sleeve, said bar being cut off at an angle at opposite ends and projecting in opposite directions from said sleeve, and a removable key for retaining said pin in said sleeve with either end projecting from said sleeve, substantially as specified.

4. In a corn-husker, a series of husking-rolls, of husking-pins, each consisting of a rectangular bar having inclined ends, as de-

scribed, and inserted through a screw-threaded sleeve, and a fastening device for said bar by means of which the bar can be removed and reversed as described, and a flange of malleable metal on said screw-threaded sleeve, substantially as and for the purpose specified.

5. In a corn-husker, a series of inclined husking-rolls having husking-pins and oppositely-arranged grooves, each of said rolls being reduced at the lower or discharge end having projections extending along the periphery of said rolls, substantially as specified.

In testimony whereof I have hereunto set my hand this 13th day of April, A. D. 1896.

GEORGE C. JANNEY.

Witnesses:

P. R. JANNEY,

A. L. GREEN.