(No Model.)

T. C. ELLIOTT.

Corn Husking Roller.

No. 239,747. **Patented April 5, 1881.**

Fig. 2.

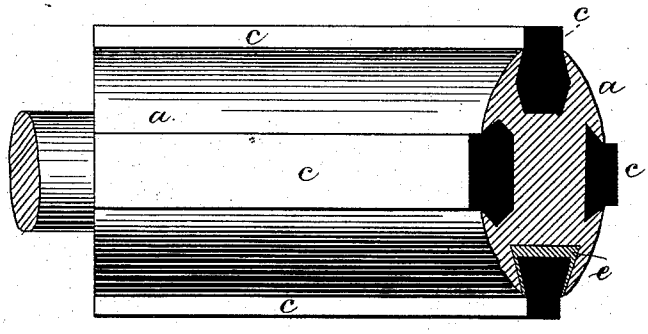


Fig. 1.

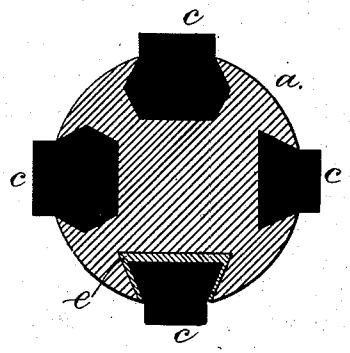


Fig. 3.

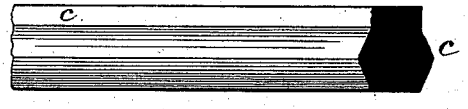


Fig. 4.



Witnesses

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Inventor

Theodore C. Elliott.

per Lemuel W. Serrell

atty.

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UNITED STATES PATENT OFFICE.

THEODORE C. ELLIOTT, OF EAST ORANGE, NEW JERSEY.

CORN-HUSKING ROLLER.

SPECIFICATION forming part of Letters Patent No. 239,747, dated April 5, 1881.

Application filed July 2, 1880. (No model.)

To all whom it may concern:

Be it known that I, THEODORE C. ELLIOTT, of East Orange, Essex county, New Jersey, have invented an Improvement in Corn-Husking Rollers, of which the following is a specification.

Corn-husking rollers have been made with longitudinal and with spiral ribs, and knives have been inserted into the roller longitudinally, with the edges projecting, and removable rubber plugs have also been used.

My present invention relates to the corn-husking rollers having longitudinal grooves containing strips of rubber, leather, or similar material, the edge of which projects beyond the surface of the roller, so as to catch and hold the husks and pull them off. Such strips are removable, so that when worn out they may be removed.

In the drawings, Figure 1 is a cross-section of a corn-husking roller. Fig. 2 is an elevation of a portion of the same. Fig. 3 represents part of one of the rubber strips, and Fig. 4 represents a metal strip with rubber blocks inserted.

The roller *a* is one of a pair of rollers adapted to be used in corn-husking machines of the general character shown in Letters Patent No. 211,447, such rollers being at an inclination, and the corn to be husked running down upon such rollers. One or both rollers in each pair of rollers is grooved longitudinally, the bottom or lower part of the groove being wider than the groove is near the surface of the roller. This dovetailed groove receives the strip of india-rubber, leather, rawhide, or similar material, as at *c*, the surface of such strip being above the surface of the roller, so as to act in grasping and drawing off the husks from the ears.

It is generally preferable to plane or otherwise form the grooves in the husking-rollers widest in the lower portions of the grooves, then to lay into such grooves a folded strip of paper or sheet metal, and stretch the india-rubber so that it will be made smaller, and can be passed endwise into the groove with facility, and it will contract in length when the strain is removed and increase in width, so that the rubber will be held with great firmness into the groove, and the intervening paper or thin metal will prevent the rubber sticking to the metal of the roller, and hence the rubber strip can be pulled out endwise should it require to be replaced by a new strip. The sheet-metal or paper lining to the grooves of the roller should be formed or cut off so as not to project above the surface of the roller, and metal of greater or less thickness can be used. I have shown at *e* a bar that is thicker at the bottom than at the sides, and to this the india-rubber may be cemented, if desired, so as to be removable with the bar from the groove of the roller.

In cases where the india-rubber or other elastic material is not to form a continuous rib above the surface of the roller, the same may be shaped, as indicated in Fig. 4, with the portions *i* projecting above the surface of the roller, and the portions *k* of the longitudinal strips even with the surface of the roller. In that case the longitudinal strips may be made of metal or other suitable material, and the blocks of rubber pass into notches in the strips.

I claim as my invention—

1. The corn-husking rollers having longitudinal grooves that are widest in the lower portions, and strips of india-rubber or similar material within such grooves, and sheet metal or other material between the rubber and the metal of the roller, substantially as set forth.

2. The combination, with the corn-husking rollers having dovetailed grooves, of strips fitting such grooves, and india-rubber or similar material connected with such strips and projecting above the surface of the rollers, substantially as set forth.

Signed by me this 30th day of June, A. D. 1880.

THEODORE C. ELLIOTT.

Witnesses:

GEO. T. PINCKNEY,

WILLIAM G. MOTT.