

The invention refers to the agricultural machinery industry, in particular to a corn husker.

The corn husker consists of a frame, a receiving hopper, an inclined rolling plate, rolls with rubberized surface in the form of trapezoidal threads and installed with inclination about the horizontal. The rolls are grouped in sections by two pairs, being closely interconnected between them within each pair. The axes of the rolls, onto which there are rigidly fixed cylindrical gear-wheels arranged in a row, are installed into immovable supports. The transmission of rotation from the drive shafts to the rolls is carried out via the conic transmissions and the cylindrical gear-wheels. Each pair of rolls is kinematically joined with the cylindrical gear-wheels of the same diameter, which rotate in opposite directions with the same speed. The intermediate rolls of the sections are arranged at a distance from each other and interconnected by means of cylindrical gear-wheels arranged in the other row, having a greater diameter than the diameter of the cylindrical gear-wheels of the pair rolls.

The obtained result consists in increasing the reliability of the corn husker, the service life of the rubberized rolls and in the possibility of utilizing a drive of a smaller power.

Claims: 1

Fig.: 4