

99-0143

The invention relates to food industry, namely to the machines for corn seeds cutting during the milky ripeness phase.

The assembly contains shafts with rollers 8 and 9, drive shafts 10-11 coupled between them by conic gearings 12 and 13. The shafts with rollers 8 and 9 are installed in separate bodies 14 and 15. The ends opposite to the frontal end of the shafts with rollers are articulated to the drive shafts 10 and 18 and the frontal ends are joined between them by a lever system 17, including a lever 24 with two equal arms, installed between the shafts with rollers on a fixed axle 23, placed in a horizontal plane with the sickle head axle and the ends thereof being articulated to the shafts bodies by means of tie-rods 27 and 28, equal in length. The assembly is also provided with a spring for convergence of the frontal end and a convergence limiter.

The result consists in exclusion of the cardan joints and worm gearings.

