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The invention refers to the agriculture and food industry, namely to the devices for cutting grains of milky ripeness from the corn-cobs.

The device contains feeding and removing rollers 2 and 3, a knife head 1 which comprises a chuck 5, a driving gear-wheel 6, several knives 11 articulated on the gear-wheel 6 hub 7, having vertical supporting parts 19 with grooves 20 and guiding parts 21 with cutting edges, a tension ring 9, fingers 10, the free ends of which are situated into the grooves of the knives supporting parts, several springs 16. The novelty consists in that on the gear-wheel 6 hub 7 it is mounted the tension ring 9 with rotation possibility with bulgers 17 in which there are fixed fingers 10. The spring-loading of knives 11 is executed unified, the springs 16 being installed on the knives supports 19 external sides and the ends thereof being coupled to the bulgers 17 of the tension ring 9 and turn limiters 14, rigid fixed on the gear-wheel hub. The guiding parts 21 of the knives 11 are inclined about the horizontal axis of the chuck so that the guiding surfaces thereof form a truncated cone the smaller basis 24 of which is directed towards the removing rollers 3.

The results consist in cutting the grains on the determined height and in the possibility of cleaning the knives and springs without disassembly of the chuck.

