

Method for separation of fiber from the fiber crop stems, in which flattened stems are first smoothened out by through scraping, with the following treatment by scraping and soaking material in stretched state, with change of the material sliding over working ages to the side of increase in direction of the processing. Apparatus for separation of fiber from the fiber crop stems has coupled movable and fixed working elements, those are arranged with alteration and overlapping, at angle towards the direction of motion of material. Above the working elements transportation mechanism is placed, with the support rollers installed in all the gaps between the working bodies in the zone of material feeding. At the end parts of the rolls there are installed restrictors of the ends of material motion in direction of transportation. This method and apparatus for its implementation make it possible to differentiate the action of the working elements and to distribute it in a uniform way along the material being processed thus increasing reliability of technological process and the output of long fiber production.