

A needle mechanism of a sewing-overstitch machine that includes a crank, the main and the upper shafts kinematically connected to each other, and a needle slider connected to a guide. Additionally there are included a balancing crank arm, a slider and connection link, the main shaft and the upper shaft are kinematically connected by a toothed-belt transmission, the crank is fixed on the upper shaft and is connected to the slide that is connected to the balancing crank arm, this is connected by a connecting link to the slider.