

The invention relates to a gearbox for a mechanism fanning implement, intended to interconnect driving means of the members that drive the implement, the box comprising an input shaft (10) designed to be rotationally driven by said driving means; an output shaft (9) designed to drive said drive members of the implement; a pinion (6) known as the sliding pinion mounted such that it can move on the input shaft (10), and designed to occupy at least one first forward-operation position, at least one second forward-operation position, and at least one reverse-operation position. The box is configured such that the reverse-operation position of the sliding pinion (6) is situated between two forward-operation positions.