

# **WORKFLOW STABLIMA HARVESTERS GRAIN HARVESTERS AS OBJECT MODELING**

**S. V. Smolinsky**

**Abstract.** *In paper there are the mechanical and technological principles of harvester lifter operation modelling for the lifting of laid grain-crops and the imitation of the field surface. There are grounded the effective lifter model. To ensure high levels of quality of cleaning of grain crops in areas with existing fallen stebleton useful in the design of the harvester combine harvester set stablima. But existing designs stableman not always provide high-quality lifting the stems, since the efficiency is influenced by both internal and external factors. This requires carrying out system studies. On the basis of the analysis substantiated the mechanical and technological principles of modeling workflow stableman harvesters combine harvester due to the interaction of the pen with fallen stebleton cereals and copy the bottom of the uneven surface of the field, and the proposed model stablima, which will provide high reliability and efficiency in the execution of the process.*

**Key words:** *laid stems, lifter, lifting, imitation, modelling*