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The invention relates to the agricultural machinery industry, namely to a rotor mechanism and a process for making of deep holes into soil for the introduction of liquid and planting of grafts, preferably of vine grafts.

The rotor mechanism is consisted of a drum, augers installed onto the drum with the possibility of rotation about their axes by means of an augers driving mechanism. Novelty of the invention consists in that the rotor mechanism is additionally provided with a drive system through a chain gear, the transmission ratio u of the chair gear is determined from the relation $u=l/k$, where k is the advance of the rotor mechanism about the rolling, which is determined by the formula:

$k=R/(R-0,5H),$

where R - the radius of the rotor mechanism with augers, m;

H - the hole depth, m.

The process for making of deep holes into soil by rolling of the rotor mechanism is distinguished by the fact that the rotor mechanism forcedly rotates with an advance about the rolling, without modifying the translation motion speed.

The result consists in making deep holes with approximately equal upper and lower parts, that permits to make the most efficient use of the hole's lower part for diverse agricultural technologies.

Claims: 2

Fig.: 3