

The invention refers to agriculture, in particular to the hand agricultural engineering for sowing.

The hand seed drill, according to the first variant, includes a frame 1, onto which it is installed a drive wheel 3, a hopper 2, a seeding apparatus, joined with a seed tube 5, an opener 6, a device for closing with soil of the sowed rows. Novelty consists in that the seeding apparatus contains a rotor with brushes 8, installed in the lower part of the hopper 2 onto the shaft and is kinematically joined with the drive wheel 3. The metering mechanism, mounted onto the shaft of the rotor 8, is made in the form of disk 9 with uniformly installed pushers, kinematically joined by means of a lever 11 with a valve 13, which is mounted onto the seed tube 5. The calibrator is made in the form of disk 10 with preset number and dimensions of holes; it is installed into the opening of the hopper 2 wall and is closed on the outside with a guide chute 16. The device for closing with soil of the sowed rows contains a chain 7, the ends of which are fixed to both sides of the frame 1, and the loop formed by the chain 7 is freely placed behind the opener 6. The soil rolling wheel 4 is installed behind the opener 6. The seed drill additionally contains a marker 17, mounted onto a tie-rod 18, articulately joined with the frame 1.

The hand seed drill, according to the second variant, is characterized in that in front of the rolling wheel 4 there are installed A-hoe blades with wings, mounted onto the tie-rod, joined with the frame 1.

Claims: 2

Fig.: 3

