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The invention relates to the mechanical engineering, namely to devices for mixing of loose materials meant preferably for manufacture of combined feed.

The mixer contains a cylindrical body placed horizontally with charging and discharge openings, a shaft mounted therein and having two blades fixed thereon. Each blade is made of a flat ring section and fixed on radial bars, installed onto the shaft in a helical line, the two blades being placed about each other with opposite direction of the winding. The marginal bars are placed parallel to each other and directed contrary, and the middle ones are placed perpendicular to the marginal bars and directed contrary. The charging and discharge openings are placed respectively in the upper and lower parts of the body, the discharge opening being provided with a gate valve, joined with the drive in the form of longitudinal rod with a clamping cam.

The result consists in communicating the mixed material a contrary directed horizontal displacement by means of the blades and a vertical displacement under the action of gravitation.

Claims: 3

Fig.: 8