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The invention relates to the field of mechanical engineering and may be used for preparation of dry, semidry, mortar and concrete plastic or stiff mixes.

The cyclic mixer comprises a body (1) with semicylindrical bottom installed onto supports (7), into the frontal walls of which it is mounted a shaft (3) with mixing organs, made in the form of radial rods (2), fixed onto the shaft (3) by sections and uniformly placed round the circle. All sections are placed along the shaft (3) with equal step, and each following section is fixed onto the shaft (3) with an angular deflection about the antecedent one, equal to the half-angle between the radial rods (2). Novelty consists in that at the ends of the shaft (3) there are fixed radial scrapers (6), shifted about the radial rods (2) of the adjacent section to the half-angle between them. Onto the radial rods (2) of each section, in the course of rotation of the shaft (3), there are fixed longitudinal rods (4) parallel to the axis of the shaft (3), the diameter of which is equal to the diameter of the radial rods (2). Onto the ends of the radial rods (2) there are fixed longitudinal scrapes (5) with the cutting angle equal to 45□, the projection of which on the longitudinal plane, passing through the radial rod (2) and the axis of the shaft (3), does not exceed the diameter of the radial rod (2). The step of the longitudinal rods (4) is greater than their diameter. In the adjacent longitudinal rows the longitudinal rods (4) are placed with a shift to the half-step. The longitudinal scrapers (5) are fixed onto the ends of those radial rods (2), to which the distance from the marginal longitudinal rod (4) up to the end of the radial rod (2) is equal to the step of the longitudinal rods (4).

Claims: 1
Fig.: 4