

Roller conveyor for the step-by-step transportation of cargo in parcels comprises a stationary frame with rectangular openings and a flat support surface, as well as roller working elements mounted on horizontal axes and capable of rotating driven by a motor, the cross-section of each of them has a polygonal shape, and its edges, when each upper face is in a horizontal position, are located below the support surface of the frame, and when in an inclined position—above the aforementioned support surface, wherein the distances from their axes of rotation to the flat support surface of the stationary frame are equal to half the distances between their diametrically opposed edges along the minor axis. Each roller working element is designed, in cross-section, as hinged rollers mounted at the corners of a polygon, in the form of two symmetrical, parallel, fixed plates on a driven horizontal shaft. The outer surface of the rollers is made of a friction material, and each roller is equipped at its end with a cylindrical wheel fixed in place, kinematically connected so as to engage with another fixed wheel on the frame, forming external meshing. The geometric center of the fixed wheel coincides with the geometric center of the horizontal drive shaft.