CLAIMS

1. A device for moving endless conveyor chains, including conveyor chains made in a form of links connected to at least one engine and at least one drive with a drive sprocket,

characterized in that:

each conveyor chain is made in the form of interconnected links, where an estimated number of link connections is equipped with rollers, dowels of which are elongated on one side,

while a guide is made in a form of a rigid C-shaped section profile, tightly covering the conveyor chain and located in such a way that elongated roller dowel parts protrude from a C-shaped profile opening, and guide bends can be made in different planes, and the guides themselves are always made identically shaped and are mirrored in relation to each other in such a way that the elongated roller dowel parts of each rail are directed towards each other and synchronized relative to each other,

with each guide being made with a gap for mounting the drive,

while the drive itself is made in a form of a drive chain mechanism, which is fixed on a base and made in a form of two unconnected chain transmissions whose gears are located parallel to each other and rotate in different directions relative to each other,

while the chain gears are driven by at least two drive sprockets engaged with their pair and chain sprockets,

an inner part of each chain gear being guided via a rack having a U-shaped cross-section, the rack being fixed to the base and turned with its open part inward,

an outer part of each chain gear is equipped with at least one chain tensioner,

while the chain of each chain gear is provided with an estimated number of grips located at an equal distance from each other,

each grip of each chain is synchronized relative to each grip of another chain,

wherein a distance between the grips equals a distance between rollers of the conveyor chain, and

wherein the grips are capable of bilateral gripping and rollers moving.

2. The device for moving endless conveyor chains according to claim 1, characterized in that there are four drive sprockets in the drive chain mechanism.

3. The device for moving endless conveyor chains according to claim 1, characterized in that the grips are made in a form of a one-sided roller-pushing element.

4. The device for moving endless conveyor chains according to claim 1, characterized in that the grips are made in a form of a two-sided roller-pushing element.

5. The device for moving endless conveyor chains according to claim 1, characterized in that the drive chain mechanism is installed on any straight section of the endless conveyor chain.

6. The device for moving endless conveyor chains according to claim 1, characterized in that several drive chain mechanisms are installed on any straight sections of the endless conveyor chain, and each drive chain mechanism is equipped with an engine.

7. The device for moving endless conveyor chains according to claim 6, characterized in that several drive chain mechanisms are installed on any straight sections of the endless conveyor chain, and only one of the drive chain mechanisms contains the engine, while two chain mechanisms, one of which contains the engine are mounted in parallel and joined by a motion-transmitting shaft connecting one of the sprockets of one of the chain gears to the sprocket of a parallel chain gear of a parallel motion transmitting chain mechanism, while remaining chain mechanisms are joined with the chain mechanisms containing a shaft by means of drive chains.

8. The device for moving endless conveyor chains according to claim 1, characterized in that the estimated number of the conveyor chain link connections are provided with additional rollers on the outer side of the chain.

9. The device for moving endless conveyor chains according to claim 1, characterized in that the number of conveyor chain link rollers is calculated in accordance with an expected load.