94-0016

The invention relates to the device for the connection of the first figurative strip of the bar with holes with the second figurative strip of the bar having a relieving slot, containing a casing in which it is installed with the possibility of longitudinal displacement a sectional plate that at one end have a cam smaller then one hook consisting of a head and consecutively conjugated at one end of it with the rod and inclined section that is opposite with the head, a spring that is fixed with the possibility of elastic influence in the diametrical direction on the plate, eccentric bolt with eccentric disk and head which under the influence of spring goes out into an aperture transversal made in the first bar and placed with the possibility of introduction inside the casing.

The eccentric bolt is fixed in the aperture meant for the installation in the first figurative bar at the end of the plate which has a support surface for the front part of the disk and locking operated lug with a stop where the mentioned disk is installed, but the plate is fixed with the possibility of longitudinal displacement by the turning of the eccentric bolt between its pulled and pushed positions. The inclined section of the hook in placed with stop on the surface of the contact that is made in the first lateral wall of the casing with the possibility of longitudinal displacement of the plate that will displace the hook in the diametrical direction, and on the face of the casing from the side of cam two lugs are made that are in the plane of perpendicular axle of the bolt between which the mentioned cam with the possibility of its location in the pulling position of the plate on one straight line with lugs for in the slot of the figurative bar or to outlet from it. It is characterized by the fact that the plate from the side of the cam is made with a longitudinal aperture that divides it into two strips that are in the bar one under another.

The cam is made on two mentioned strips in the form of hooks that are directed to each other with the possibility of reciprocal displacement with reference to plane of the plate. The casing is made with the second lateral wall contrary to the first one and removed towards the diametrical position of the plate. The second lateral wall is made with additional plane of the contact but, the second hook is made with head and conjugated with the rod and an inclined section is opposite to the inclined section of the first hook that is supported by the mentioned plane, and with a contact of the second lateral wall of the casing.

2. The device according to claims 1, is characterized by the fact that heads, rods and inclined sections of both hooks are made identical.

3. The device according to claims 2, is characterized by the fact that heads, rods and inclined sections of the hooks are placed symmetrical towards the longitudinal plane of the casing with the possibility of crossing of the inclined sections, covering of heads of the hooks and setting their rods in the pulling position of the plate.

4. The device according to claims 1-3, is characterized by the fact that the plane of the contact and additional plane of the contact are placed by superposition.

5. The device according to claims 3, is characterized by the fact that the hooks are fixed with the possibility of placing of the rod of one hook to one plane of the head of another hook in the pulling position of the plate.

6. The device according to claims 1-5, is characterized by the fact that longitudinal aperture is made with an expansion at the out-of-the-way end that is turned towards the supporting plane of the plate.

7. The device according to claim 6, is characterized by the fact that the spring is conjugated with the plate from the side of the out-of-the-way end of the longitudinal aperture in the expansion area.

8. The device according to claims 1-7, is characterized by the fact that the plate is made in the form of curved loop, one end of which is conjugated with the support plane and on the second free end is placed the back controlling aperture.

9. The device according to claim 8, is characterized by the fact that the loop is made in the form of closed ring and part of its free end is placed in the port of the plate.

10. The device according to claim 9, is characterized by the fact that the port under the eccentric bolt is connected with the free end of the loop.

11. The device according to claims 8-10, is characterized by the fact that the free end of the loop is fixed in the port with the possibility of its stop in the edge of the port in the pulling position of the plate.

12. The device according to claims 8-10, is characterized by the fact that the free end of the loop comes out opposite the spot plane of the plate.

13. The device according to claim 8, is characterized by the fact that casing has a stop that is placed in the inner lateral plane and the plate fixed in the casing with the possibility to place the back plane of the free end of the loop on the same line with the mentioned stop pushing position of the plate.

14. The device according to claim 13, is characterized by the fact that the stop is made in the form of wall cutting placed on the same axle with the free end of the loop.

15. The device according to claims 8-10, is characterized by the fact that the loop is plane.

16. The device according to claims 8-10, 12-15, is characterized by the fact that the free end of the loop is placed in the port with clearance between it and the edge of the port in the pulling position of the plate.

Drawings: 10 Drawing: 1, 2