

95-0229

The invention relates to the civil engineering, namely to the spatial pivotal constructions and may be used for the creation of both the unstressed and prestressed constructions made of bars of different materials.

The nodal joint of spatial carcass bars includes a spatial shape to which are connected the horizontal bars (1) and (8) and inclined bars (9). The spatial shape is made compound of two parts (3) and (4), and one of the horizontally placed bars pairs is made in the form of a hollow pipe (1) through which may be passed the strained element (2). The horizontal bars (1) and (8) and the inclined bars (9) may be connected to the parts (3) and (4) of the spatial shape by means of bolts, welding or sticking them together. The horizontal bars (1) and (8), the inclined bars (8) and the parts (3) and (4) of the spatial shape may be made of metal, wood, plastics, glass, prestressed or fibrous concrete.

The proposed joint allows to make the assembly of the constructions of enlarged elements, reducing so the working hours of manufacturing and mounting thereof, allows to create unstressed and prestressed constructions, automatize the manufacturing process thereof, to create constructions of different materials.