

A forming press for manufacturing the panels contains two pressing plates connected together, moreover the upper plate is mobile relative to the fixed lower stationary plate, on surface of which a molding frame is installed which has hermetically isolated perimeter and height, which is equal to the height of manufactured panel with facing material on the surface, and also a mechanism for adjusting the thickness of panel. The mechanism is inclined, which is provided for by the fact that the lower stationary plate is connected by kinematical connection through additionally installed articulated link gearing with upper moving plate. In this case on one of the ends of upper moving plate an elastic support with traverse is additionally installed, a guide pin fixed on additionally installed central column. In this case facing material is located on the upper moving plate and is fixed by vacuum along its entire surface by means of additionally installed collector-nozzle system connected with vacuum pump. Electrical heating elements are installed under working planes of both fixed lower stationary plate and upper moving plate. On the lateral surfaces of lower stationary plate eccentric-action clamps are fixed.