

Filter-press is intended for filtering suspensions, in particular those industrial ones and those being hardly filtered, and relates to the area of chemical machine-building. The objective of the invention there is the problem of increasing reliability of the mechanism of filtering plates motion during the sediment unloading due to removal of the plates shift and swinging in their motion along the filter-press. Filter-press has a set of filtering plates 5 hinged by means of holders 9 at the upper beam 3 between the front 1 and rear 2 supports. Each support 9 has two rollers 10 installed with a shift with respect to each other along the long axis of the filter-press. At the ends of each holder 9 two supports 11 are installed, those can be adjusted in height, and inside there is a coupling unit 12. Each support 11 is fixed to the holder 9. The upper beam 3 has two long beams 14 being in contact with the supports 11. The initial suspension is fed to a preliminarily pressed by means of a catch mechanism for the plates 7 set of filtration plates 5. Liquid phase goes through filtration partitions 8 and is discharged from the filter-press. During the motion supports 11 contact with the long beams 14. At displacement of the plates the sediment is separated under its own weight from filtering partitions and falls down to respective conveyor.