

The invention relates to the by-product coking industry, in particular to the structure of coke furnaces heating flues. A coke furnace heating flue includes refractory articles connected between them, and having surface being turned inside the heating flue, and on this surface made are grooves in the form of elliptical semi-cylindrical surface. The grooves configuration has a form of a broken line symmetrical relative to the horizontal axis of this surface, and grooves depth provides the thickness of refractory article in the position of placement thereof of no more than 80 mm.