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The invention relates to heat engineering, in particular to heating boilers for living accommodation.

The boiler contains a furnace, a heat exchanger of square cross section, one vertical wall of which is made with a prominence, a heat reflector fixed on the opposite wall. The prominence presence increases the heating surface of the heat exchanger and the reflector revolves the heat waves formed during gas combustion and reflects them many times favouring the increase of efficiency.

The boiler is provided with left and right pipes for cold water supply and hot water removal that facilitates the process of connection to the heating system.

The horizontal placement of the smoke flue provides for the outlet of the combustion products outside through the opening made into the wall and does not require a vertical smoke flue.