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The invention relates to the field of use of solar energy and can be used in solar power plants for heating fluid media (gases, liquids).

The solar heat receiver contains a transparent cover (1) and placed beneath a heat exchanger, which contains a layer of heat storage material (2) and a cavity (3) through which moves the heated fluid. The heat exchanger is made in the form of a thick layer of heat storage material (2), having a larger mass.

The cavity may have a zigzag shape, and the heat exchanger may be made in the form of two layers of heat storage material which are separated by the cavity and are interconnected by heat-conducting elements, practically not impeding the movement of the heated fluid medium.

The result of the invention consists in expanding the application field.

Claims: 3

Fig.: 3

