HEAT EXCHANGER

ABSTRACT

A heat exchanger for indirectly exchanging heat between first and second fluids. The heat exchanger is provided with a plurality of parallel plates to define first and second heat exchange passages for the first fluids to undergo indirect heat transfer. Corrugated fin-type material is positioned within the first and second heat exchange passages to increase the heat transfer area within the first and second heat exchange passages. Liquid distribution means are provided for distributing liquid composed of the second fluid to the second heat exchange passages. Overflow weirs are provided in such distribution means from which liquid overflows and falls into the second heat exchange passages. The overflow weirs are positioned to feed both sides of the second heat exchange passages and the corrugated fin-type material of the second heat exchange passage extend above the second heat exchange passage to ensure entry of the liquid into each corrugation. In such wetting of all corrugations is promoted.

Fig. 1