Abstract

The heat from the sun, coupled with the wind, has been used to dry and preserve food crops for several thousand years. Some crops, such as Chili, Bananas, Coffee Beans, timber, need to be dried before they can be used effectively. Sun drying has often developed into solar drying, where drying occurs in an enclosed, ventilated area—often using polythene, acrylic or glass covering. Present work deals with design, fabrication of double flow solar dryer. Double flow solar air heater is the advanced modification of single flow solar air heater. In the single flow solar air heater, air flows through one side of copper plate whereas in the double flow solar air heater air flows from both side of copper plate and hence more efficient than any other kind of
solar air heater.

References


Index Terms

Computer Science
Engineering and Technology

Keywords
Solar Air Heater  Double Flow  Solar Energy  Drying