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(54) Title: EVAPORATOR COIL SUPPORT FOR A ROOM AIR CONDITIONER**(57) Abstract**

According to the present invention, apparatus is provided for mounting an evaporator coil (22) within an indoor section (4) of an air conditioner (2). The air conditioner (2) includes an indoor section (4) having a housing in which an evaporator coil (22) having a top and vertically extending tube sheets (46, 48) is mounted. The evaporator is supported by a horizontally extending support surface formed at the front end of the housing for supporting the lower ends of the tube sheets (46, 48). First and second vertically extending evaporator support structures are disposed at each end of the horizontally extending support surface. Each of the first and second support structures are adapted to receive one of the tube sheets therein as the evaporator is displaced downwardly into engagement therewith and towards engagement with the horizontally extending support surface. A scroll structure (28) for directing air flow through the indoor section (4) is provided with vertically extending evaporator support channels which are in axial alignment with the vertically extending evaporator support structure in the housing. The scroll structures (28) are adapted to be engaged with the upper ends of the tube sheets (46, 48) following engagement of the evaporator and tube sheets with the vertically extending evaporator support structure.

