



**Figure 7. Windmill rotor and chassis, with tower top omitted**

The bamboo rotor arms are squared at the butt ends to fit in the hub. Holes are drilled in the bamboo to fasten the rotor ring, the sail bamboo, and the pin at the tip of the bamboo. These holes must be drilled carefully, or the bamboo may split. If the bamboo does split, it may be reinforced with a lashing of galvanized steel wire.

The 3 ft 10-inch diameter rotor ring of 1-1/4-inch X 1/4-inch flat is bolted to the eight pieces of bamboo. The ring has a single bolted joint to assist assembly. It serves to hold the bamboos in place, and makes initial assembly of the rotor easy. A circumferential wire of 3/16-inch diameter galvanized steel