BEATER AND COUNTER-WEIGHT ASSEMBLY

9.A. Slide the roller bearings on to the two $\frac{1}{2}$" pieces of rod projecting from the counter weight assembly. Carefully slide the counter weight bearings between the two steel slides projecting from the back of the loom. Be sure as you do so , that the counter weight remains parallel to the back of the loom. Let the counter weight hang freely from the steels, keeping a hand on it to make sure it doesn't roll off.*

B. Find the two shoulder bolts and the nuts that match. These are what attach the beater to the counter weight. Have ready the 3/16" allen wrench and $\frac{1}{2}$" wrench or crescent wrench that will fit the nuts.
Slide the beater assembly onto the wooden rails running along the insides of the castle posts; the pieces of steel screwed to them should be pointing downward, and the wooden nuts should point out from the front of the loom.

C. This step is best done with 3 people. One person should hold the counter weight in such a way that the back crossbar is down and the arms are pointing up. Two other people then raise the beater assembly until it stops against the harness holders; each one of these people should have a nut and shoulder screw. The steels of the counter weight are now brought into conjunction with the steels of the beater; the counter weight steels will fit inside the beater steels. The holes are lined up and the shoulder bolts are inserted from the inside of loom so the threaded section of the bolt passes through both holes and projects outward towards the outside of the loom. You may have to fumble the bolts slightly to get them allthe way through. Using the allen and crescent wrenches, tighten the nut onto the bolt until it cinches up against the shoulder of the bolt.

The beater/counter weight assembly is now assembled. The beater should slide up and down the rails freely.

*Examine the two small stop blocks. Match the number or letter stamped with the one stamped on the slide rods. Using a Phillips head screwdriver, attach the stop blocks to the steels, wooden side out.