

## VI. BEATER (continued)

If the loom is resting on a floor which is not level, or if the beater crosspieces should warp slightly, it will be necessary to adjust the beater so it rests flat against the castle (rubber beater pads). This is not only more convenient, but also insures that your weft will be beaten at a right angle to the warp. Just use a socket wrench to loosen the four bolts in the ends of the shuttle run (beater bottom). The beater will naturally settle flat against the castle. Retighten the bolts.

## VII. BEAMS

To remove the front beam on the large loom, just twist the lock on the left hand support and lift that side out, sliding the right (ratchet) side axle out of its hole. Catch the advance handle as it falls off the axle. On the small loom, support bolts must be loosened to remove the beam.

To change rear beams, it is necessary to partially disassemble the back section of the loom. Remove the two bolts holding the right end of the back beam (friction brake-ratchet side). Unscrew the bolt or handle on the beam and pull it out, holding the beam to keep it from falling. Slide the right rear section of the loom forward (the left side should be locked in place with its hinge) and slide the beam out towards you. Reverse the procedure to replace another beam. This is easier than it sounds with a single beam, and pretty tricky with two beams. It helps to have one person per beam. On the other hand, this is not done very often, almost never if you have a double back beam. If you intend to switch fairly often between a standard and a sectional beam, it is best to order the sectional as a second warp beam, so it is always in place.

The second warp beam comes tied into the same release pedal unless a second pedal is specified. The pedal releases first the lower beam, and then the upper one. Place the warp requiring most adjustment on the lower beam, as that one can be tensioned from the front of the loom without disturbing the upper beam. The second back beam clips on the standard back beam and is used for separating the two warps as they come off their separate warp beams. It is usually packed in the crate on the front beam (breast) and this should not confuse you.

## VIII. WARPING

The front and back beams can be lowered to the floor to allow the weaver to sit inside the loom for comfortable warping. The cloth beam and beater can be easily removed on the large floor loom for even easier access to the harnesses, and not quite so easily removed on the small floor loom. The beater on either loom can be lowered to the floor with the front beam section of the loom if you prefer not to remove it. Before lowering the back beam (some people thread from the back), release the chain which connects the back beam release lever to the ratchet dog or friction brake. This will avoid stretching the spring which operates them.

On small floor looms, apron bars can be tied to the beams in several ways described in weaving texts, with aprons being optional. On large floor looms, aprons are standard equipment.

When winding on a warp, the brake release lever can be locked down, or the spring holding the brake or ratchet dog can be unhooked.

## IX. CARE

Looms received with an oil finish are pretty well protected. Most will pick up some sawdust before leaving the shop; this can be wiped off with a cloth. The oil used is