

Assembly instructions

»Regina«

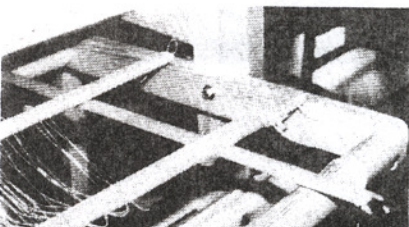
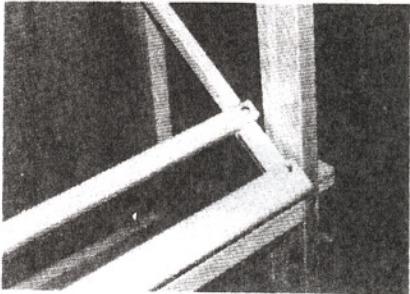
100 / 125 / 150



Before you start to assemble your loom, please read these instructions and check that all parts are included and nothing has been left in the packages and packing materials.

1. Take the side frames and put on the four rubber feet. Then take the right side frame and screw on the pawls. Don't tighten too hard, the pawls should be able to move easily. (On 150 cm looms there are also pawls on the left side frame). Screw on the rubber knobs which act as beater stops. Next assemble the arms for the harness rollers on the inner sides of the frame. These arms are to be flush with the back of the loom and extend forward from the front of the loom. Also each has two small holes (to hold harness rollers) which must line up with each other.
2. Now start the complete assembly. Take the left side frame and put in the cross parts in the following order:
 - a. Cross bar for pedals (the pedal attachment downwards).
 - b. Clothbeam
 - c. Breastbeam and stretchbeam (both with the front surface about 10 mm/3/8" outside the frame)
 - d. Warpbeam
 - e. When this is done insert the large wedges in the direction of the arrows.
3. Raise up the right side frame and insert the ends of the beams and bars in corresponding holes, but before you put it completely together insert the two rollers for the harnesses. Put on the ratchets, insert the small wedges and lock the ratchets. If the loom is in the proper place for weaving, please tighten all wedges with the enclosed wooden hammer/mallet.

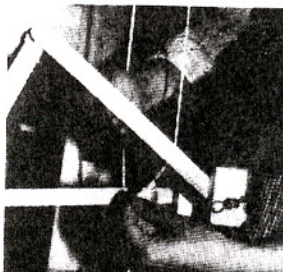
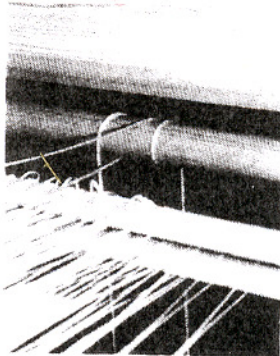
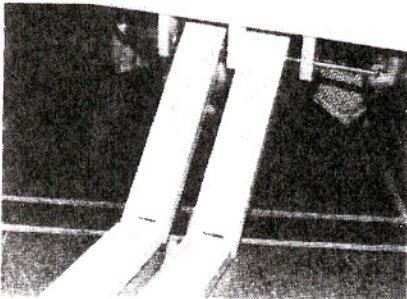
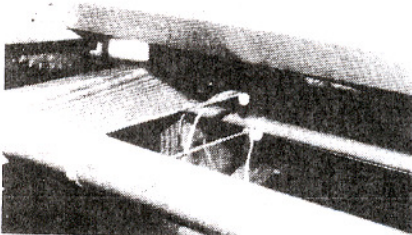
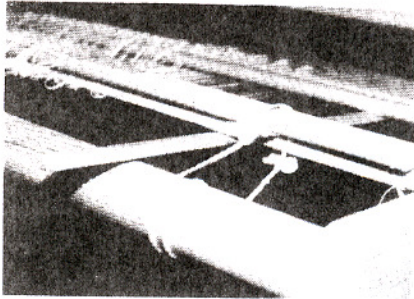
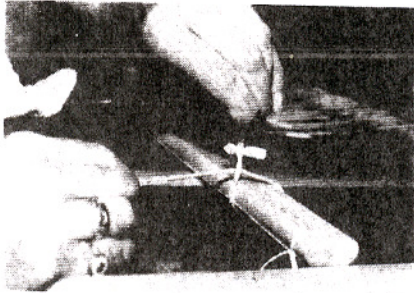
NOTE! All wedges must be inserted in the direction of the arrows. You could also see this by the angle of the hole and the wedge, so they fit together.



4. **Assembly of the beater** – Place the beater arms on the side frames. (There is a steel pin for each beater arm, which fits in a bushing in the side frame.) Then put on the bottom part of the beater, the reed, and the beater handle. Secure all by the bolts with washers and nuts. Put the counter weights on the beater arms. Place the weights in such a position that the beater will be resting on the rubber knobs, (in top position), i.e., the beater goes upwards by its own weight.

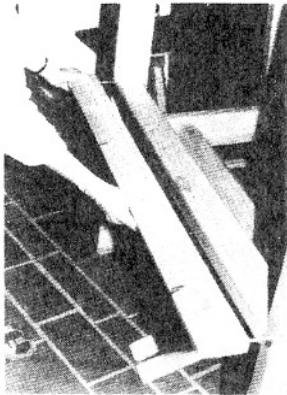
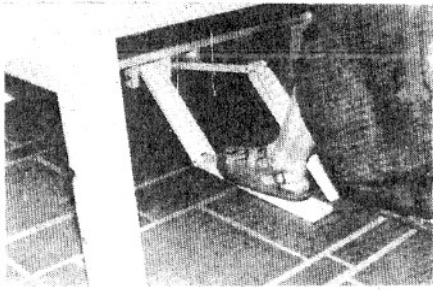
5. If you are going to use the loom for winding a warp, insert the dowels on the backs of the side frames.

6. **Installation of the harnesses** – Divide the desired number of heddles on the first harness (two harness sticks). To secure the heddles from moving off the harness tie a cord from hole to hole on each harness stick. Use the lease sticks as harness rests by placing them on top of the two rollers. Do the same with harness number two and let it rest on top of harness number one.



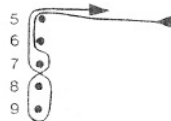
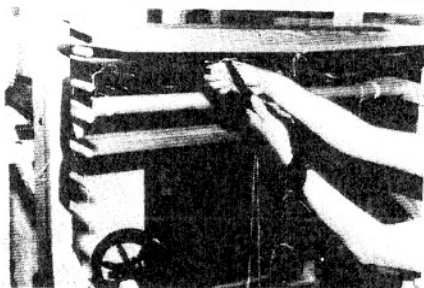
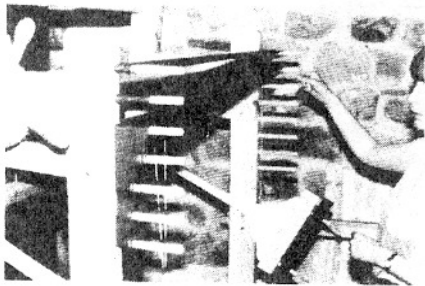
7. Cut two pieces of the chain cord each 650 mm/26" and two pieces 1050 mm/41". (These are used for attaching the harnesses to each other and the rollers.) The shorter ones are used in the front and the longer ones in the back. Attach cord to the upper bar with a loop locked with the plastic plug, wind the cord around the roller and attach the lower bar with the same type of loop. Make sure that the harness bars are tied parallel. Do the same thing at the back of the loom. For the best operation the connection should be as tight as possible. To get the best tension on the cords, remove the lease sticks and adjust if necessary.

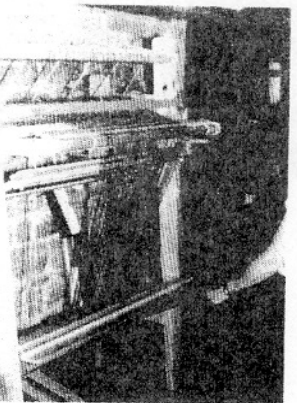
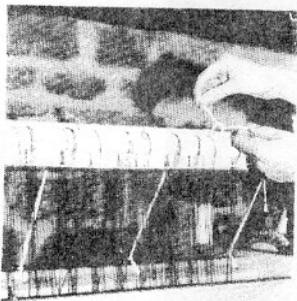
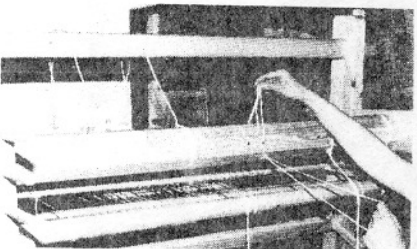
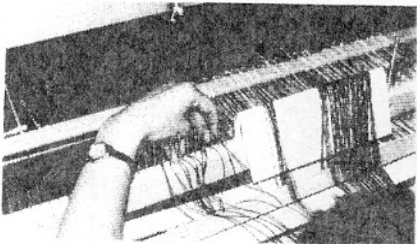
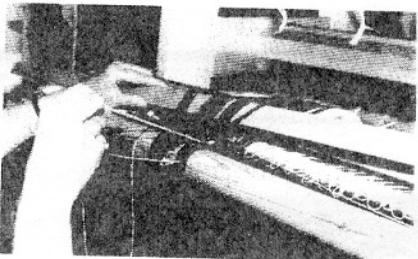
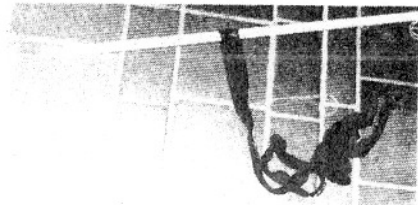
8. **Mount the treadles** – These should be fastened by a rod through the holders and the treadles. A "feather pin" locks the rod. For the connection from harnesses to the treadles cut two pieces of the chain cord 1.9 m/75" long. The cord from the upper harness goes over the roller around it once and down to the treadle. From the lower harness the cord goes under the roller around it and down to the treadle. The cords are attached to the treadles by a plastic clip. The adjustment of the treadles is correct, if the harnesses are in the neutral position and the treadles tend to fold slightly.



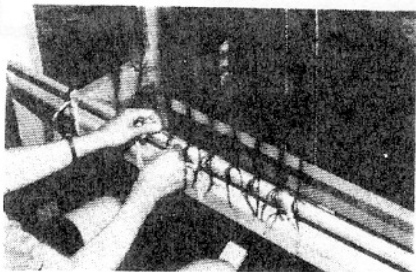
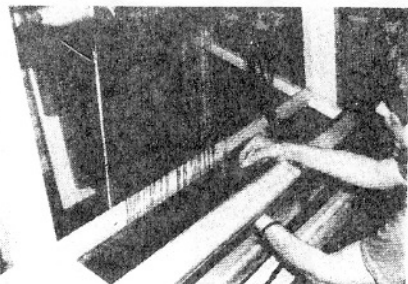
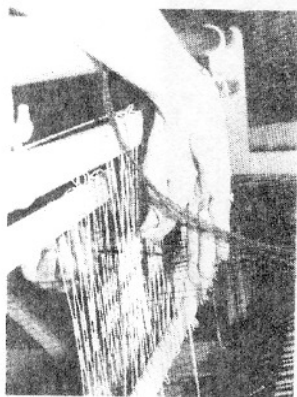
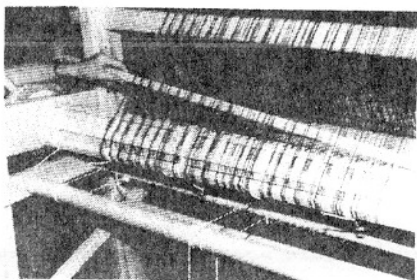
9. Now check the shed opening. Step on the treadle and each harness should move the same distance from the neutral position. This will give an even shed opening, if not, adjust by moving the clips on the treadles.

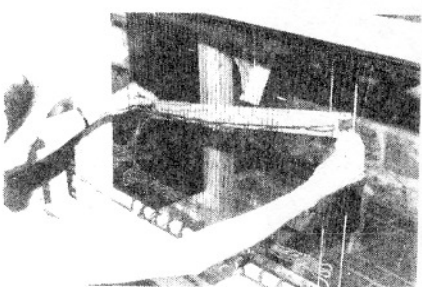
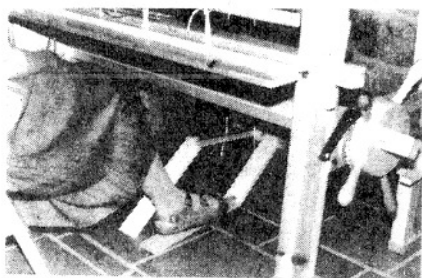
10. Mount the accessory shelf.





11. Attach tie on sticks to warp and cloth beams. Cut 12 cords each 110 cm/40" long for the 110 cm loom. For the 135 cm and 160 cm cut 14 and 16 cords respectively the same 110 cm/40" long. Loop each cord through one of the holes on the warp and cloth beams and around each tie-bar. Be sure that the tie-bars are parallel to the beams before attaching your warp to them.





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