

# ASSEMBLY INSTRUCTIONS FOR THE ASHFORD TABLE LOOMS

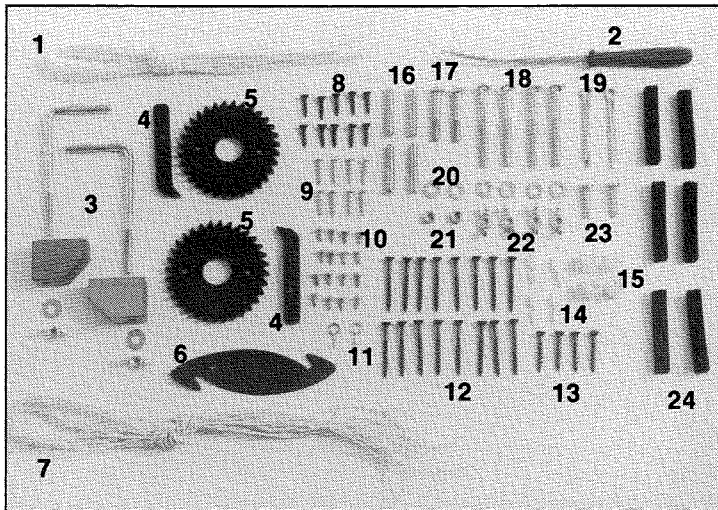
**BEFORE COMMENCING** — Read the instructions completely, identify the parts and note the assembly sequence.

**FINISHING THE WOOD** — We recommend that the wood surfaces be 'sealed' before assembly. This protects the kiln dried wood from climatic changes and enhances its appearance. Use the garnet paper supplied to remove sharp edges and corners.

The Silver Beech tree is a native of New Zealand and has a lovely variety of colour and grain. If the natural colour and beauty is preferred, then use a Scandinavian type oil, clear lacquer or polyurethane finish. If you wish to match your decor, stain then seal the wood.

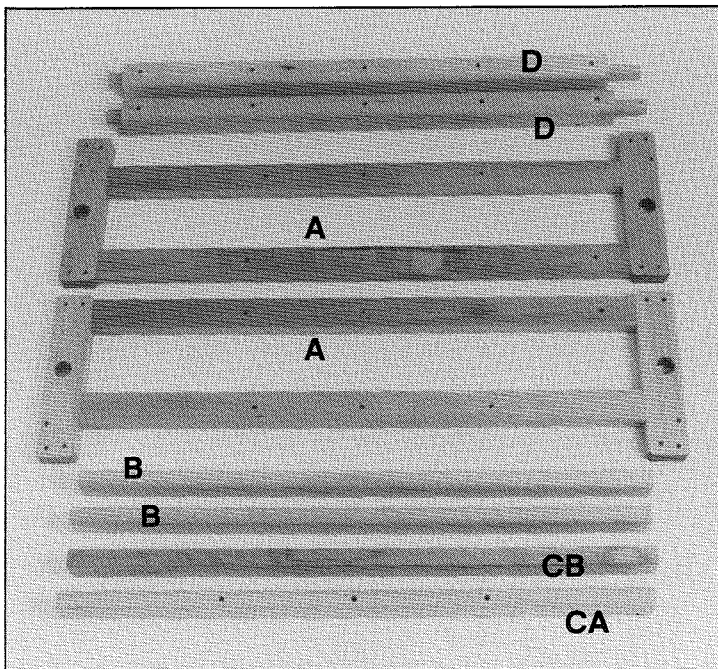
Ask your local Ashford dealer or paint merchant for advice.

**TOOLS REQUIRED** — Slotted and Pozi-drive Screwdrivers, Hammer, Candlewax, Scissors.



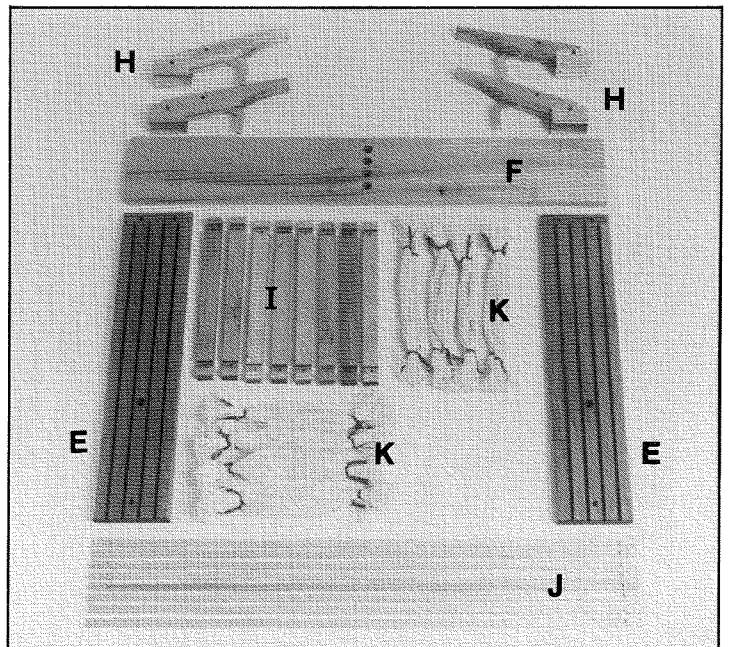
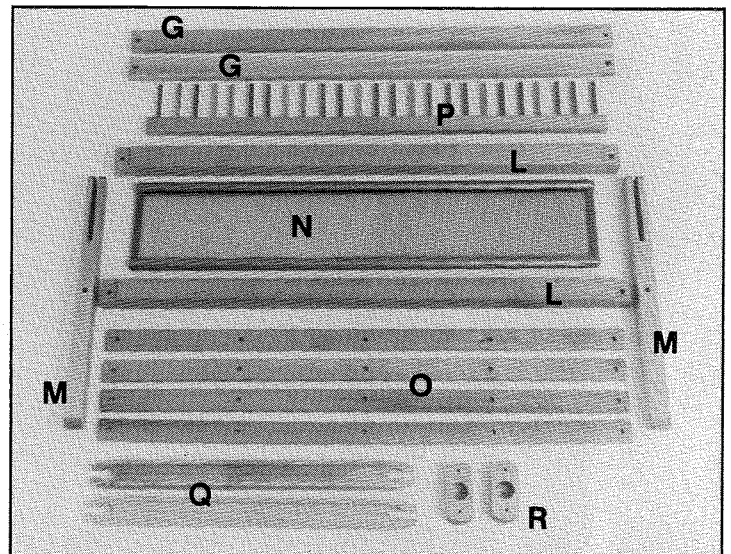
## HARDWARE LIST

- |    |  |    |                          |
|----|--|----|--------------------------|
| 1  | Texsol Cord                              | 13 | 32mm (1 1/4") Screws     |
| 2  | Heddle Hook                              | 14 | Texsol Pegs              |
| 3  | Clamps with blocks, washers and wingnuts | 15 | Nylon Cord Guides        |
| 4  | Pawls                                    | 16 | Beater Pins              |
| 5  | Ratchets                                 | 17 | 40mm (1 1/2") Bolt       |
| 6  | Reed Hook                                | 18 | 65mm (2 1/2") Bolt       |
| 7  | String for Warp Sticks                   | 19 | Split Pin                |
| 8  | 19mm (3/4") Screws                       | 20 | 6mm (1/4") Washer        |
| 9  | 19mm (3/4") Pan Head Screws              | 21 | 6mm (1/4") Hexagonal Nut |
| 10 | 9mm (3/8") Pan Head Screws               | 23 | 25mm (1") Pan Head Screw |
| 11 | Screw Eyes                               | 24 | Rubber Buffers           |
| 12 | 43mm (1 3/4") Screws                     |    |                          |



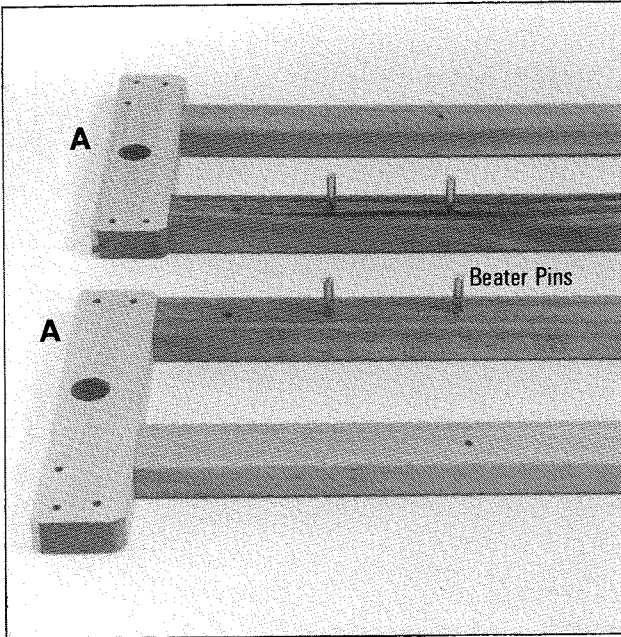
## PARTS LIST

- |    |                        |   |                             |
|----|------------------------|---|-----------------------------|
| A  | Sides                  | J | Metal Bars                  |
| B  | Front and Back Beams   | K | Heddles                     |
| CA | Front Bottom Rail      | L | Top and Bottom Beater Rails |
| CB | Back Bottom Rail       | M | Beater Sides                |
| D  | Front and Back Rollers | N | Reed                        |
| E  | Castle Sides           | O | Warp and Cross Sticks       |
| F  | Castle Top             | P | Raddle                      |
| G  | Castle Bottom Rails    | Q | Shuttles                    |
| H  | Levers                 | R | Ratchet Handles             |
| I  | Heddle Frame End       |   |                             |



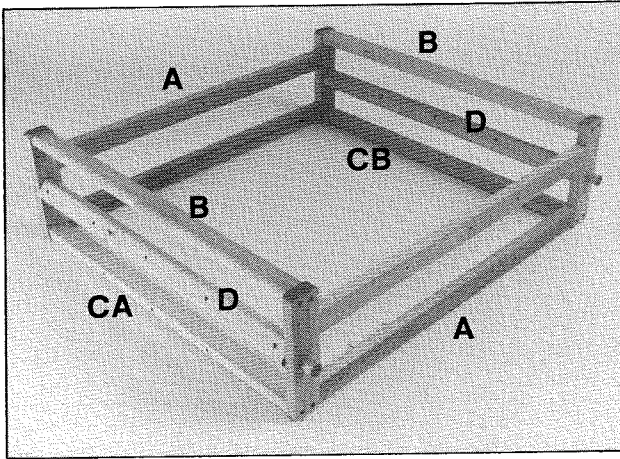
## ASSEMBLY — Wax all screws.

- (1) Insert the four beater pins into the shallow holes in the bottom rails of the sides "A" and hammer in carefully. Note: the front hole is to attach the loom stand (an optional accessory).  
 (2) Secure the front bottom rail "CA" to one side with 43mm (1 3/4") screws. Note the holes for the table clamps.

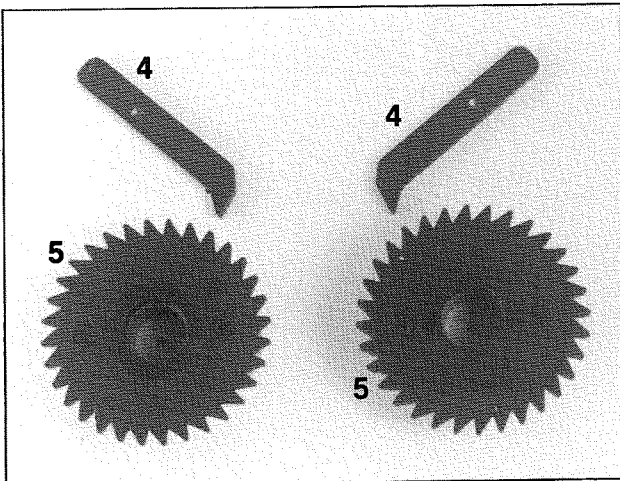


### INSERTING ROLLERS:

- (5) The loom has the option of left or right hand roller handles for the weaver's convenience. Wax the dowel ends of the rollers "D" and insert into the side. A right handed person would have the long dowels on the right hand side.  
 (6) Secure the opposite side "A" to the four rails and beams with 43mm (1 3/4") screws.



- (7) Secure the ratchets to the handles "R" with 19mm (3/4") screws. The ratchet teeth should face opposite directions.  
 (8) Secure the pawls to the loom sides with 25mm (1") pan head screws. They should swing loosely.



- (9) Take the handles with attached ratchets and push onto each roller end. Check the pawls engage the ratchets. Line up holes in handles with holes in roller ends and secure with 19mm (3/4") screws.

- (10) Thread the two screw eyes into the holes on the top of each of the sides "A".

### Beater Assembly:

- (11) Attach the top and bottom beater rails "L" to the beater sides "M" with 65mm (2 1/2") bolts, washers and hexagonal nuts at the bottom and wing nuts at the top. Note: the countersunk part of the holes in the beater sides (for the locking pins) face outwards and the head of the bolt slides in the groove in the beater rail. The groove provides for a range of reed widths. Also the raddle provided fits perfectly into that same groove during the warping process.

- (12) Slide the reed into the beater frame.

- (13) Push the split pin through the hole in the loom side and into the hole in the beater upright "M" (this allows the beater to be in an upright position when threading the reed during warping).

### Castle Assembly:

- (14) Place the castle top "F" in front of you. There are two sets of four holes on each surface of the castle top. Make sure the four holes on the left are nearer to you.

- (15) Hammer the nylon cord guides into the castle top.

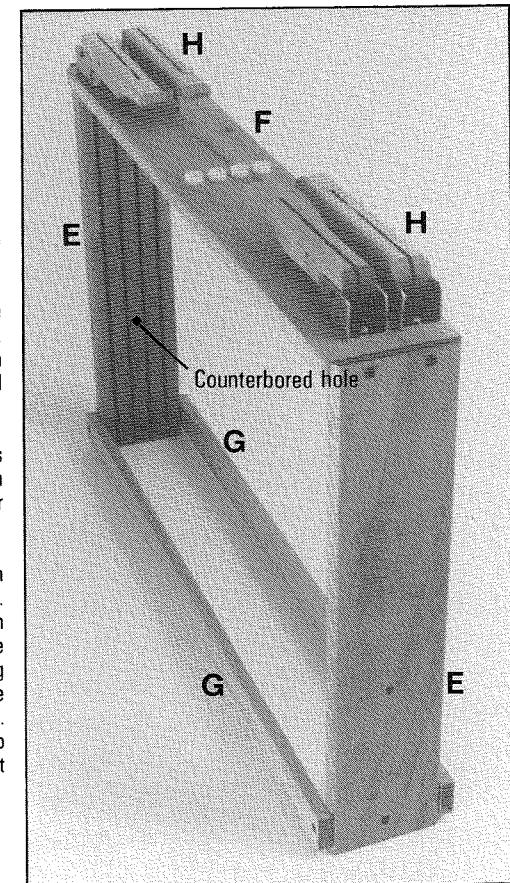
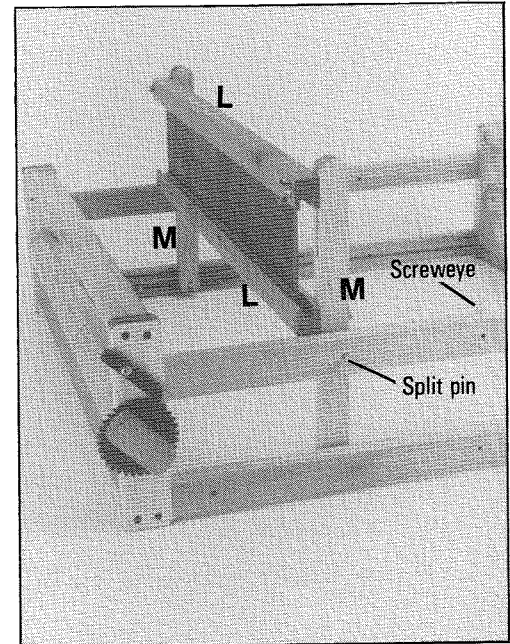
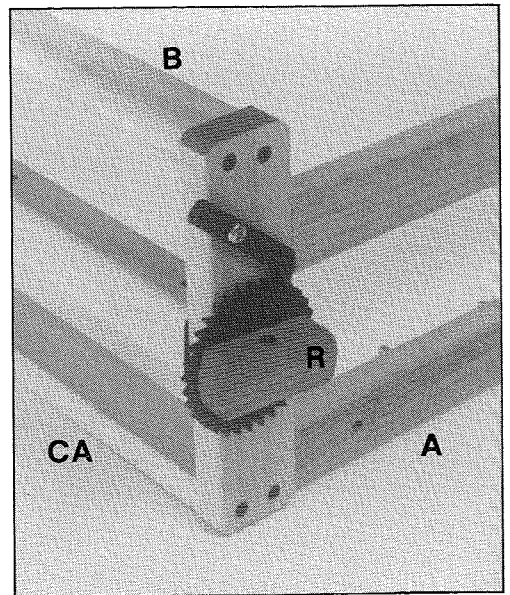
- (16) Secure the levers "H" to the castle top with 19mm (3/4") pan head screws. The concave part of the lever should be down when the levers lie towards the centre. Leave them in this position, secure the four outside screws then flip the levers over to the outside and secure with four more screws.

- (17) Take the castle side "E" and tap the hexagonal head bolt into the counterbored holes in the centre of the grooved sides until the head is flush with the surface. Then remove this bolt.

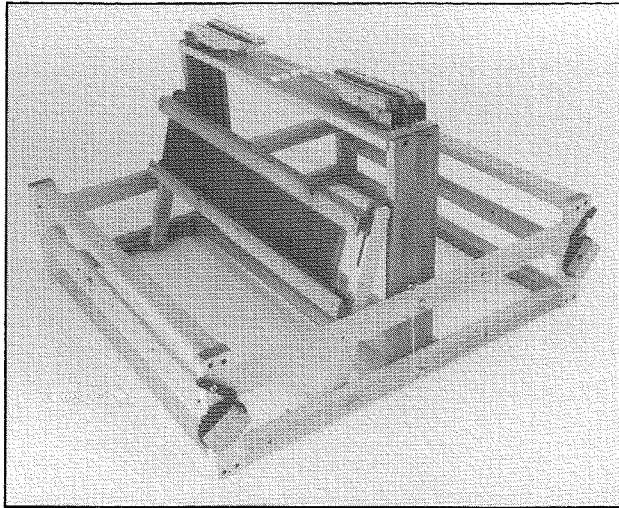
- (18) Secure the castle top to the side with 32mm (1 1/4") screws. Make sure the heads are flush with the surface so the castle will fold down.

- (19) Secure the two bottom rails "G" to the castle sides with 19mm (3/4") screws. Do not overtighten or the points may enter the grooves.

- (20) Locate the castle between the loom sides by the screw eyes. Push the 40mm (1 1/2") bolts through from the inside and secure on the outside with washers and wing nuts. Make sure the heads of the bolts are level with the surface. This will allow the heddle frames to move up and down freely without catching on the bolt heads.



(21) Remove the split pin from the beater upright. Place a split pin in each hole in the bottom of the side rails to secure the castle. To avoid losing the split pins cut the long piece of string in half and attach the pins to the screw eyes.



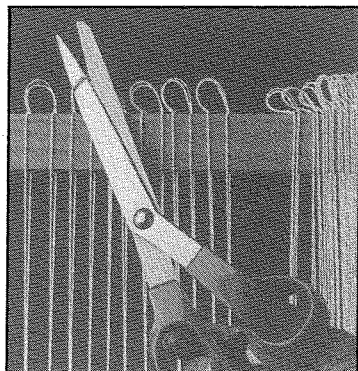
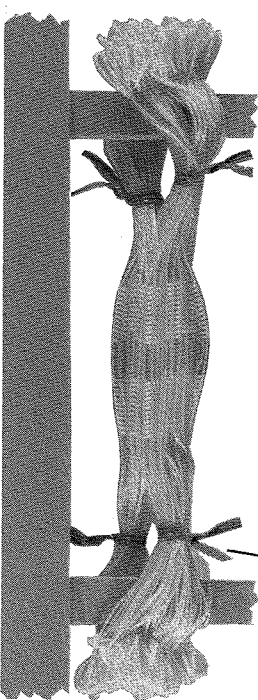
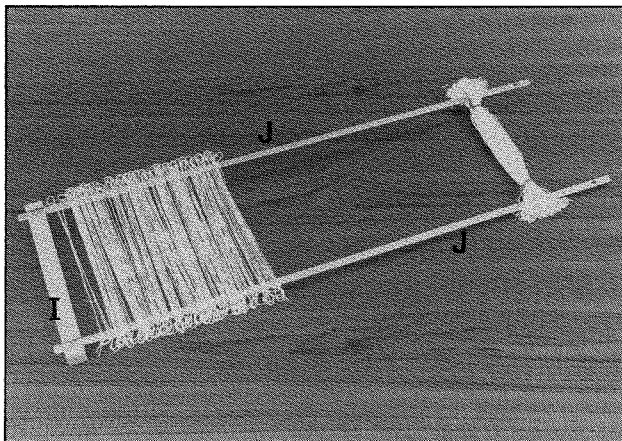
### HEDDLE FRAME ASSEMBLY:

(22) First attach two metal bars "J" to the heddle frame end "I" with 9mm (3/8") pan head screws by sliding the bars into the grooves. Line up the holes and secure with the screws.  
 (23) We have provided 100 heddles (one bundle) per shaft for all 8 shaft looms and the 410mm and 610mm 4 shaft looms. The 4 shaft 800mm loom has 200 heddles per shaft (as illustrated).

**TEXSOLV HEDDLES:** Slide the Texsolv heddles onto the steel bars

making sure the bars are between the two green ties. **Then and only then** remove the green ties (see illustration). Slide evenly across the width of the bars. Secure the metal bars "J" to the other end "I" with the 9mm (3/8") pan head screws. Repeat for the other heddle frames. Separate the heddles into equal quantities and slide to either side of the centre. You need to know where the centre is later.

**WIRE HEDDLES (Optional):** For easy loading of the wires onto the bars, tie



*The heddles can be used connected or cut. (Use sharp scissors.) Cutting is best when the heddles are hanging on the harnesses.*

Green Ties

or tape the strings to the bars and slide the wires on. Complete assembly of heddle frames as above.

If you require more heddles please order them from your local Ashford dealer.

(24) Remove the beater from the loom.

(25) Tip the loom onto its side and slide the heddle frames into the grooves in the castle sides. Make sure they are all facing the same way. Either way is OK but they must all be the same.

(26) Hold the heddle frames up while you stand the loom upright.

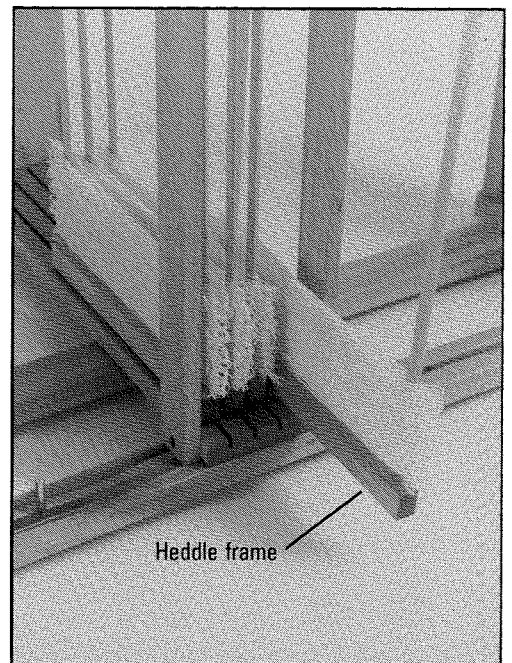
(27) Seal the enclosed lengths of Texsolv cord with a flame.

(28) Thread the end of the cord through the hole in the lever, back through the second slot in itself and then down through the nylon guide. Make sure your heddles are pushed away to either side of the centre. Wrap the cord around the top bar on the heddle frame directly below the guide hole and back through itself. The heddle frame should nearly touch the castle top when in the up position. Adjust and secure with a texsolv peg. After warping the loom for the first time adjust the height of the heddle frames so that when the shed is open, the lower set of threads should provide an even level surface for the shuttle to slide smoothly across.

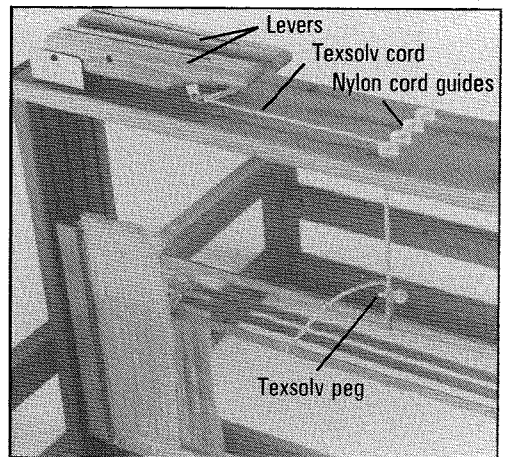
(29) Strip the backing tape off the rubber buffer strips. Place one on the outside of the levers on the castle top. Place one under the metal part of the levers where they touch the castle top. Place one on each side of the front of the castle sides 100mm (4") down from the top edge.

(30) Loosen the top beater rail wing nuts and slide the rail out. Take the reed out and place the raddle in position ready for warping your loom (soon you'll be weaving!).

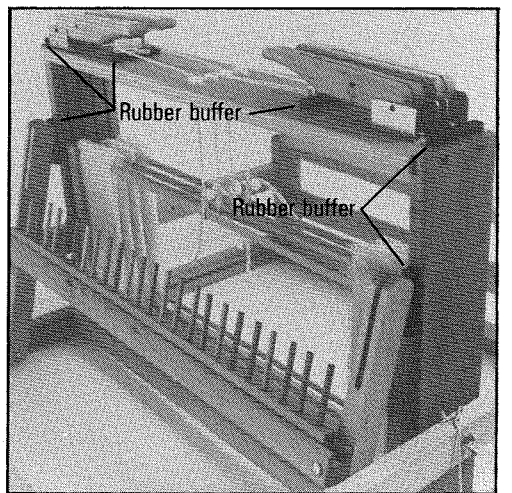
(31) Now attach the front warp stick to the roller. Take a piece of string and fold in half, thread it through a hole in the front roller and back through itself. Then thread both ends through the corresponding hole in the warp stick, wrap it back around itself and tie a bow. Only tie the back warp stick at one end until the warp threads have been placed over it. Then secure the other end of the warp stick to the roller and then tie the other ties when you have spaced the threads across the raddle and back beam and are ready to wind on the warp.



Heddle frame

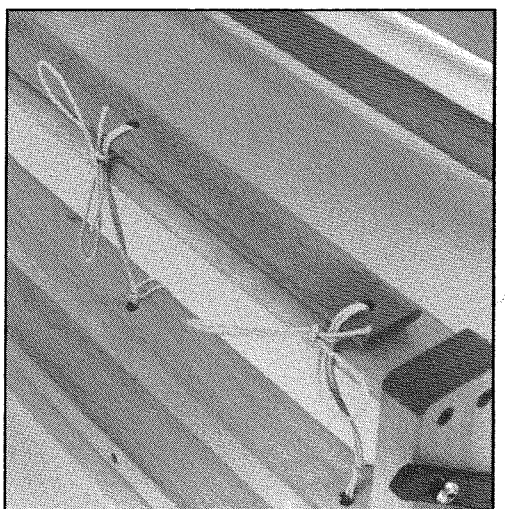


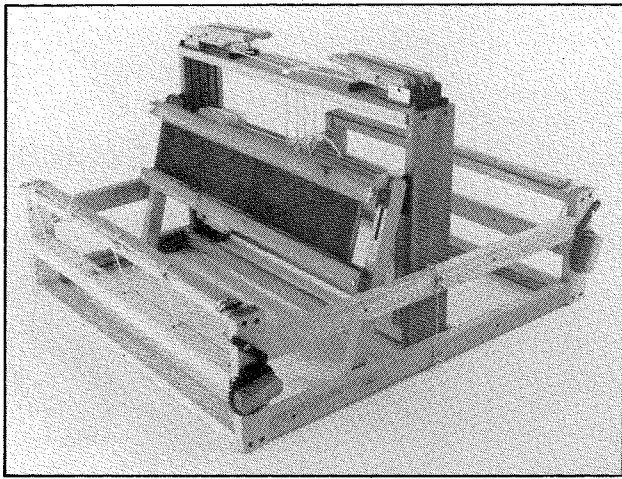
Texsolv peg



Rubber buffer

Rubber buffer

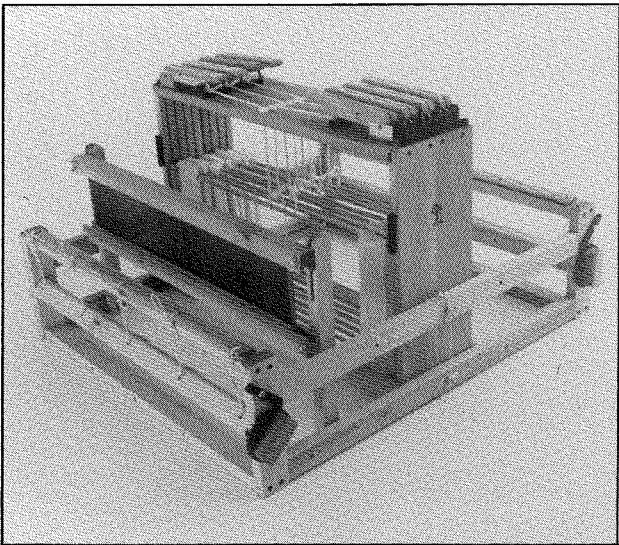




*Four Shaft 610mm (24") Loom*

(32) The cross sticks will be used during the warping process.

(33) Now you can start making your warp and soon you'll really be weaving your dream. Refer to the enclosed "Learn to Weave" booklet for warping instructions. For detailed weaving information "The Ashford Book of Weaving" is recommended.



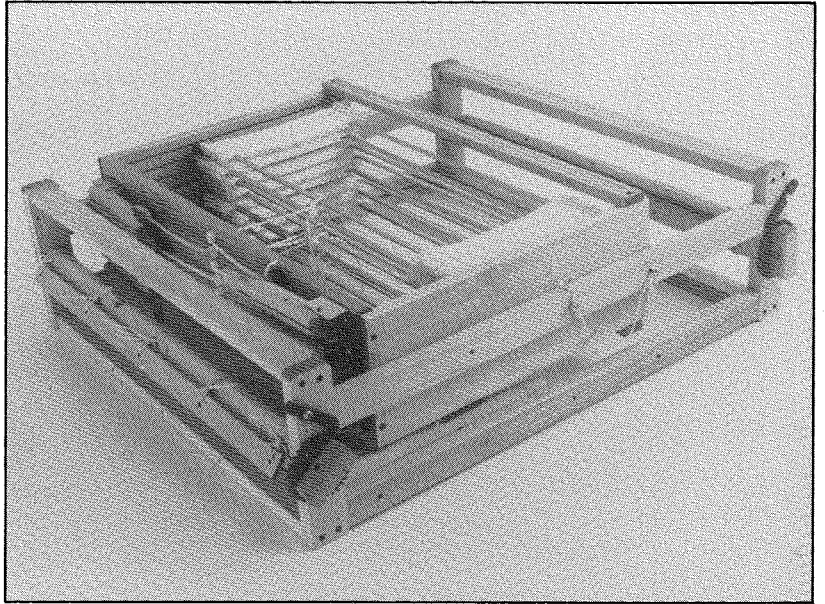
*Eight Shaft 610mm (24") Table Loom*

**Eight Shaft Loom:**

The assembly sequence for the 8 shaft loom is similar to the 4 shaft except that the castle is wider to accept the extra heddle frames and the buffer strips are longer for the castle top.

**Storage:**

For storage or transport loosen the wing nuts and remove the split pins securing the castle to the sides. Then carefully fold the castle forward tucking the beater underneath. Lock the castle in a horizontal position with the split pins.

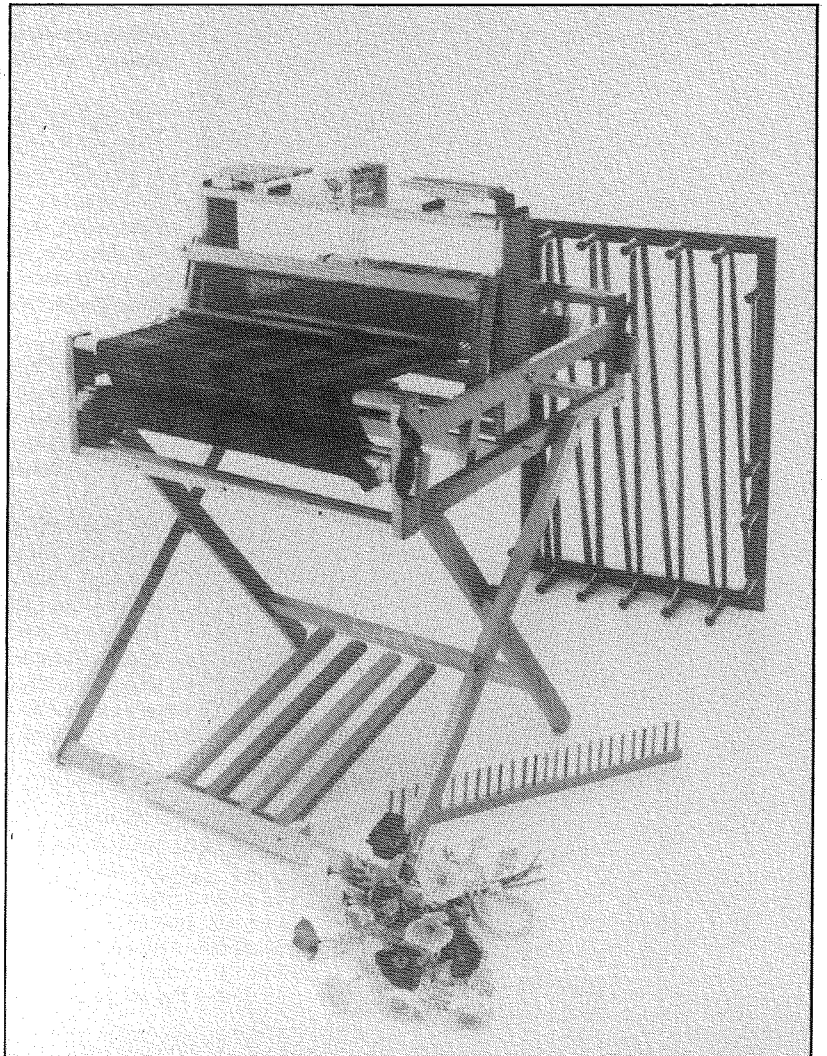


*Eight Shaft Table Loom folded for storage*

**Accessories:**

Optional Accessories available from your local Ashford dealer include:

Reeds of 6, 8, 10, 12 and 16 DPI, heddles, shuttles, floor stand and treadle kit (for the four shaft loom), warping frame and warping mill.



*Four Shaft Table Loom with floor stand, treadle kit fitted and warping frame*

DESIGNED AND MANUFACTURED BY  
**ASHFORD HANDICRAFTS LTD.**  
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 NEW ZEALAND.