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Rev. 1103

TRANSPORTABLE FLOOR LOOM

Please read all instructions before assembly.

This floor loom consists of two major pieces – a loom and a stand – which can separate for transporting. The loom may also be used as a table loom without the stand.

GENERAL INFORMATION

Your loom has been assembled prior to shipment, but package size limitations prevent shipping non-folding looms fully assembled. Folding looms are shipped fully assembled in the folded position. Included with the loom are heddles, a stainless steel reed, lease sticks and a hand crank.

Operation

The loom can be operated by the foot treadles or by the hand levers or both. Generally, the treadles are used for the draft tie-up and the hand levers are used in direct one-to-one tie-up to the harnesses.

Assembly

Assemble the stand first, then assemble the loom and place it on the stand. To assemble, match marked (numbered or lettered) parts. **** Please read Table Loom Instructions! ****

Stand Assembly: Start with the two side frames in the upside down position, slip the treadle assembly into holes on each side frame, then attach treadle assembly with carriage bolts and large wing nuts. Attach the crosspieces and shelves, and turn loom stand upright.

Non-Folding Loom Model: Lay out side rails parallel to each other. These will be marked for matching with the other parts. Set out the cloth frame, warp frame and castle (without harnesses and top). Attach these to the side rails with washers and thumbscrews. Leave thumbscrews loose until all parts are in place. Turn each thumbscrew in turn so that all they gradually tighten equally. Mount beater last by inserting quick-release pins through side rails. Set loom on stand.

FOLDING LOOM INSTRUCTIONS

Included are some hand sketches of the loom in weaving and folded positions. If you have ANY questions, please give us a call.

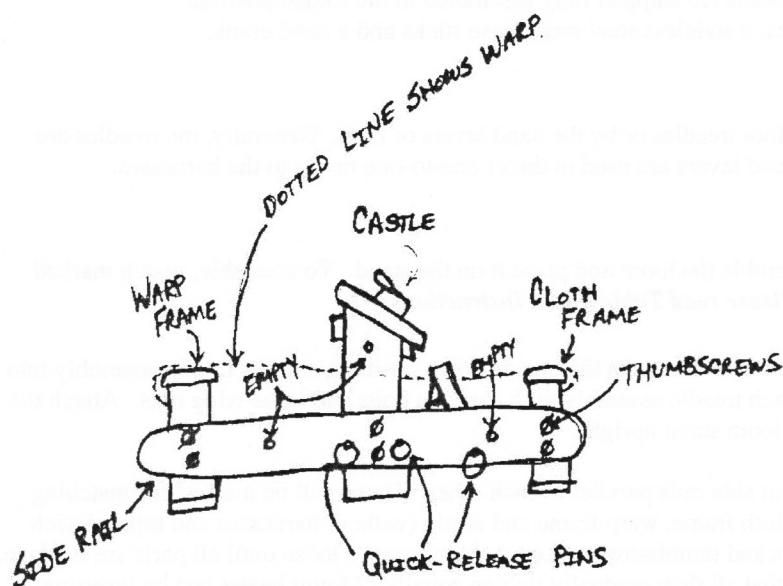
SET-UP FOR WEAVING (Unfolding)

1. Loosen (1-2 turns) thumbscrews at corners of loom. Remove 4 thumbscrews holding castle to side rails.
2. Loosen warp just a bit and stand the castle and beater upright.
4. Tighten warp until excess is taken up on warp roller but not under tension.
5. Line up holes in castle side with holes in side rail by lifting castle just slightly. Insert thumbscrews & washers. Repeat on other side.
6. Line up beater leg with beater hole in side rail. Insert quick-release pin. Repeat other side.
7. Insert quick release pins in castle sides. Tighten all thumbscrews around loom.
8. Tighten warp again as needed. You are ready to weave ... Happy Weaving!

FOLDING UP LOOM

1. Loosen warp. Loosen (1-2 turns) thumbscrews at corners of loom. Do not remove them.
2. Remove quick-release pins from beater and castle sides. Stand up beater at front of castle. Put pins in a small plastic bag so they don't get lost.
3. Remove thumbscrews & washers from castle sides.
4. Tip castle and beater toward back. Slide forward as you go. Lay these all the way back and nestled down in between side rails. Loosen warp more if needed.
5. Lift castle a little. Line up rear-most fold-holes. You are looking for the hole in the center of the castle side which was near the top when the castle was upright. (See sketch). Insert a thumbscrew & washer. Do not tighten. Just get it started. Repeat for other side.
6. Now find front-most fold holes...On side rails, these holes are in front of beater holes and a little higher up. Lift castle up or down until you find the hole, then insert thumbscrew & washer. Do not tighten, just get screw started. Repeat for other side.
7. Once all screws started, go ahead and tighten everything. Tighten warp. This will lock beater and harnesses in place. You may have to slide harnesses up a little to get warp to tighten up, but warp will retain harnesses and beater. If warp is not on loom, just tie on beater to loom with shoelace or scrap yarn.

LOOM SET UP FOR WEAVING



LOOM FOLDED FOR TRAVEL

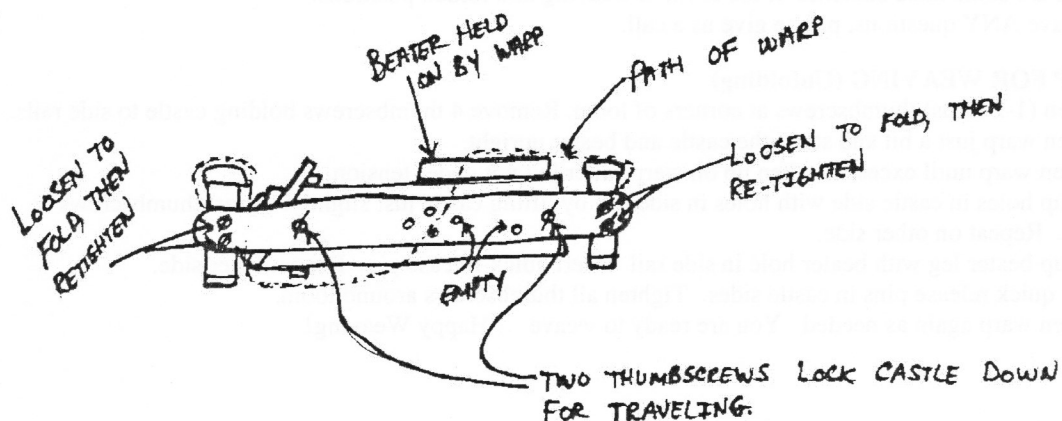


TABLE LOOM INSTRUCTIONS:

Please read completely and carefully !

Apron rods are attached to rollers with cords threaded through roller.

Pique Convertible Looms The single roller warp frames and the double roller (pique) frames are interchangeable and have identical symbols. These are the pique looms with the folding option. They can be folded only with the single roller installed. When the pique (double roller) frame is installed the loom cannot fold.

Harnesses To remove the harnesses unscrew the acorn nuts and lift off the castle top (board with hand levers). Harness sides are tight on one side and loose on the other side. Take only the loose harness side off the heddle bars.

Heddles To add or remove heddles see *Texsolv Heddle Instructions*.

Hand Crank A hand crank is included with the loom and can be installed on any of the rollers. It installs on the left side of the rear rollers and the right side of the front roller. It is designed to wind on the warp and to remove the finished cloth. It cannot be used for tensioning.

Hand Levers The hand levers (lifting levers) on the castle top point toward the rear of the loom when the harnesses are down. To raise a harness, pull the hand lever forward until it touches the front edge of the castle top. Hand levers are numbered from right to left; harnesses are numbered from front to back. One hand lever operates one harness.

Hand Lever Cord Attachment Cords have been threaded through hand levers and eyelet guides ready for you to secure to heddle bars. The purpose of the eyelet guides is to prevent the cords from rubbing against the wooden parts of the loom, which would cause friction and wear. The cords should not be "fiddle string tight", but adjusted to give maximum shed without making the hand levers hard to operate, (*see Hand Lever Cord Adjustments*) *This cannot be done until after the loom is warped.*

The **Texsolv loom cord** is made of polyester silk, which is machine crocheted to form a series of "button holes". Pegs are used to secure the cord around the heddle bars. (*See diagram*) The connection point/hole can be marked with a permanent ink marker to make re-attachment to the same hole easier. The hand lever cords should be centered on heddle bar.

TEXSOLV HEDDLE INSTRUCTIONS

The heddles are made of polyester silk, machine crocheted into smooth, supple, knot free lengths which are fine and strong. The rectangular eye is very easy to thread. Heddles are uncut, tied bundles of 100.

- To install, slip tied bundle onto heddle bars (separate at twist ties, Figure 1), remove twist ties and distribute. If using less than 100 heddles count out quantity to remain on harness.
- Cut apart the two groups of heddles. Retie extra heddles into bundle and slide off heddle bars.
- Slip partial bundle of heddles onto next harness/ heddle bars.
- Repeat with remaining heddle bundles, until all harnesses have heddles.
- Cut into individual heddles at this time.
- To remove heddles, retie into bundle, slide bundle off heddle bars.
- To thread heddles, fold warp end, push with finger then pull through (Figure 2.) Hooks are not required for threading.

Figure 1

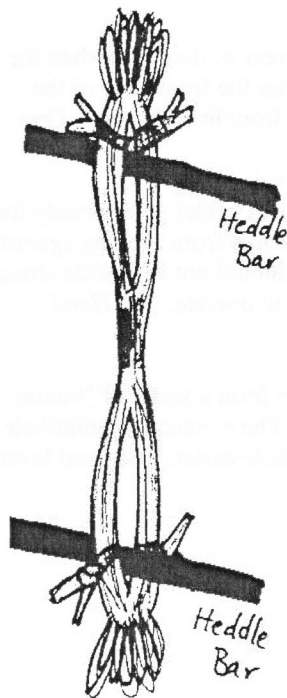


Figure 2

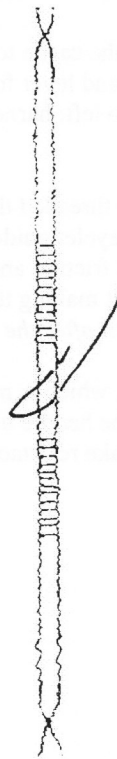
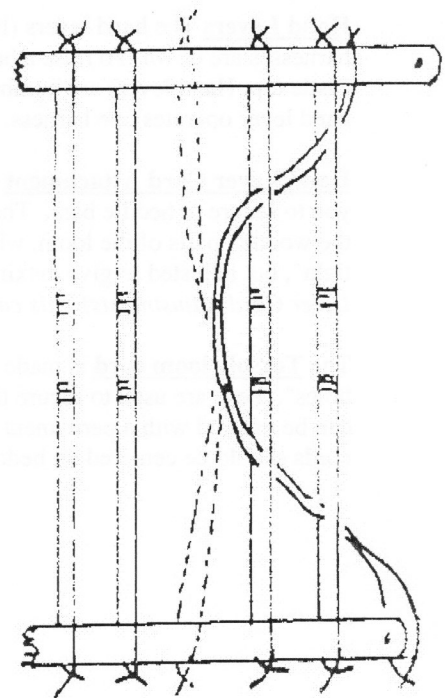


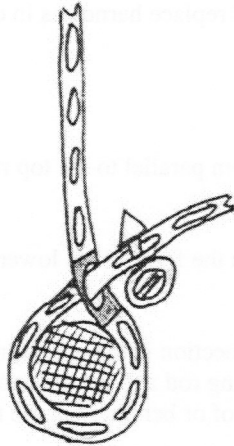
Figure 3



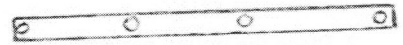
Insertion of extra heddle in threading sequence if mistake has been made: (Figure 3.)

1. Put new heddle(s) on upper heddle bar.
2. Thread through heddles above eyes to correct point.
3. Slide entire heddle to correct point.
4. Thread back through heddles below eyes.
5. Slip onto lower heddle bar; slide to correction point and re-adjust.

**CORRECT ATTACHMENT
OF HAND LEVER CORD
TO HEDDLE BARS:**



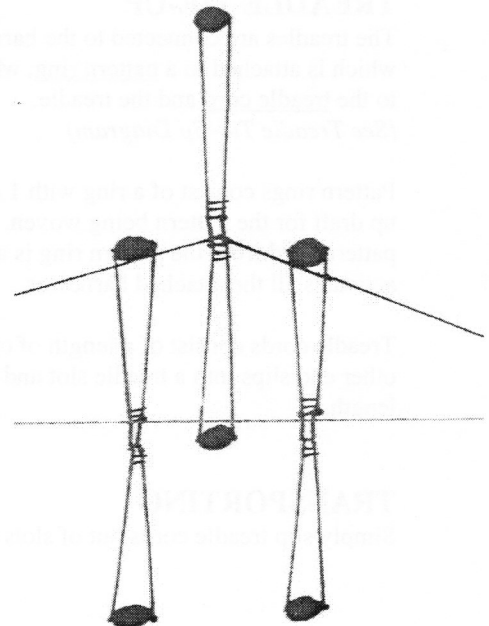
LEASE STICK:



HAND LEVER CORD ADJUSTMENT

The correct position of the thread when the harness is raised:

When a harness is raised, the threads are just below the upper heddle bars of the adjacent harnesses. This will give you the maximum shed possible.
(Diagram Not to Scale)



TRANSPORTABLE FLOOR LOOM

LOOM SET-UP (Once loom is assembled and on loom stand)

1. Put heddles on harnesses (*see Texsolv Heddle Instructions*) and replace harnesses in castle. Warp the loom with your yarn.
2. Place the pulley bar across top of castle.
3. Insert the guard rods in holes on rear castle top rail and turn them parallel to the top rail, out of the way. (Guard rods keep the cords from jumping out of the pulleys.)
4. Remove one of the parallel rods at the bottom of the castle. On the front castle lower rail is a little piece of wood. Turn this to the side and slide out the metal rod.
5. Attach harness cords to centers of top harness bars (proper connection is illustrated in Table Loom Instructions) and lay cords over pulleys, dropping cords down along rod at bottom of castle. *Caution!* The cords must not cross through a harness frame – they pass in front of or behind both the top and bottom bars, not tangled.
6. Replace the rod across the bottom of the castle. Harness rings now dangle below the castle and the cords are between the two rods.
7. Swing guard rods over the pulleys until they almost touch the pulleys and tighten the thumbscrews (*see Guard Rod Diagram*.)
8. Place castle top with hand levers on castle. Attach hand lever cords to center of top harness bars (as illustrated in Table Loom Instructions.) The hand lever cords will need to be adjusted by looking how high the warp threads are being lifted and matching all the harnesses to the same lifting height.

TREADLE TIE-UP

The treadles are connected to the harnesses by sets of cords. The harness cord attaches to the pattern cord, which is attached to a pattern ring, which acts as the lams do on other looms. The pattern ring is attached to the treadle cord and the treadle.
(*See Treadle Tie-Up Diagram*)

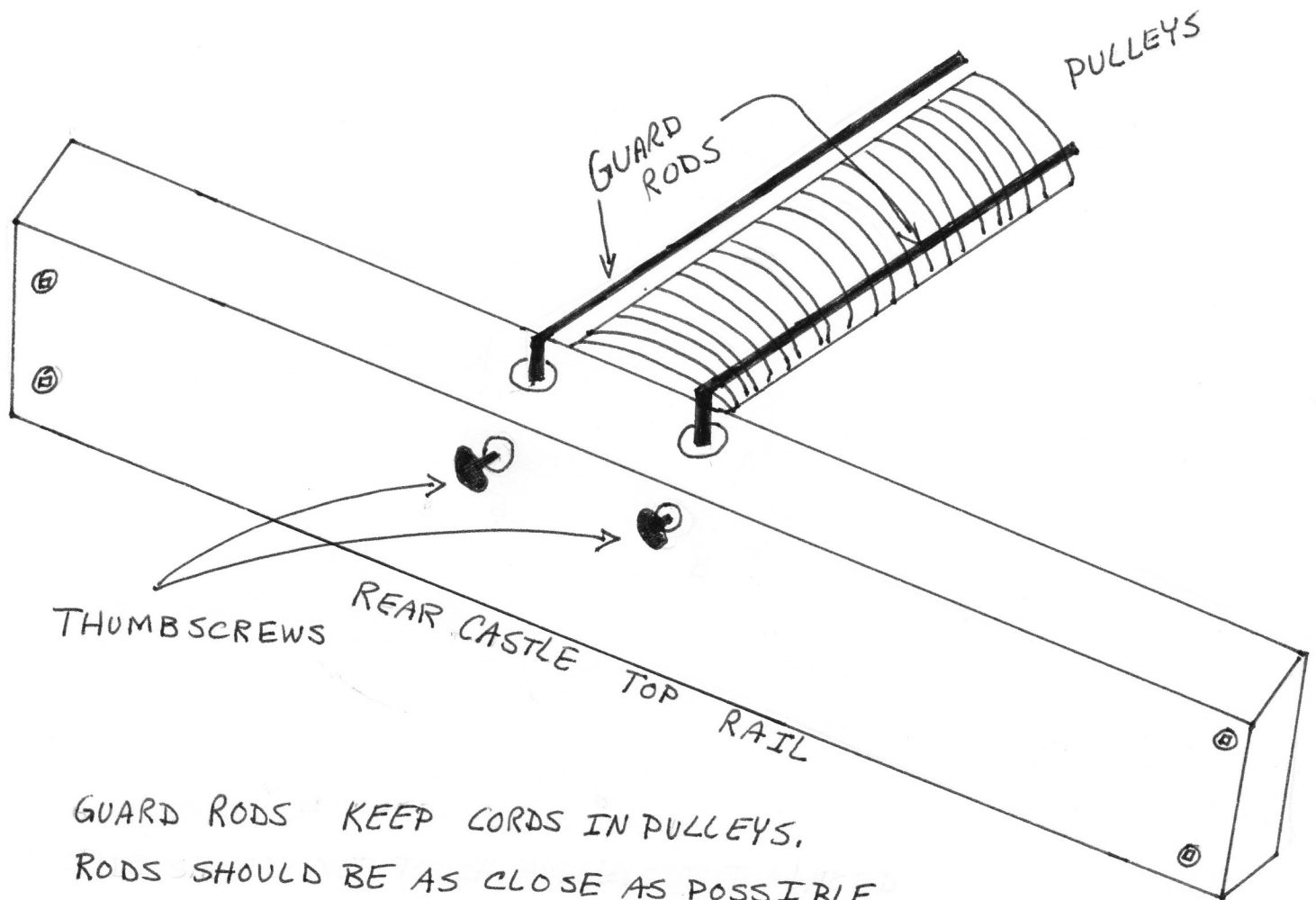
Pattern rings consist of a ring with 1 or more pattern cords attached. They are assembled to match the tie-up draft for the pattern being woven. Typically each pattern ring will have 1 to 4 cords attached. Each pattern cord from the pattern ring is attached to a harness ring so that pulling the pattern ring downward activates all the attached harnesses.

Treadle cords consist of a length of cord with a peg at each end. One end is attached to a pattern ring; the other end slips into a treadle slot and is held by the peg. Moving the peg to a different hole can shorten the length.

TRANSPORTING

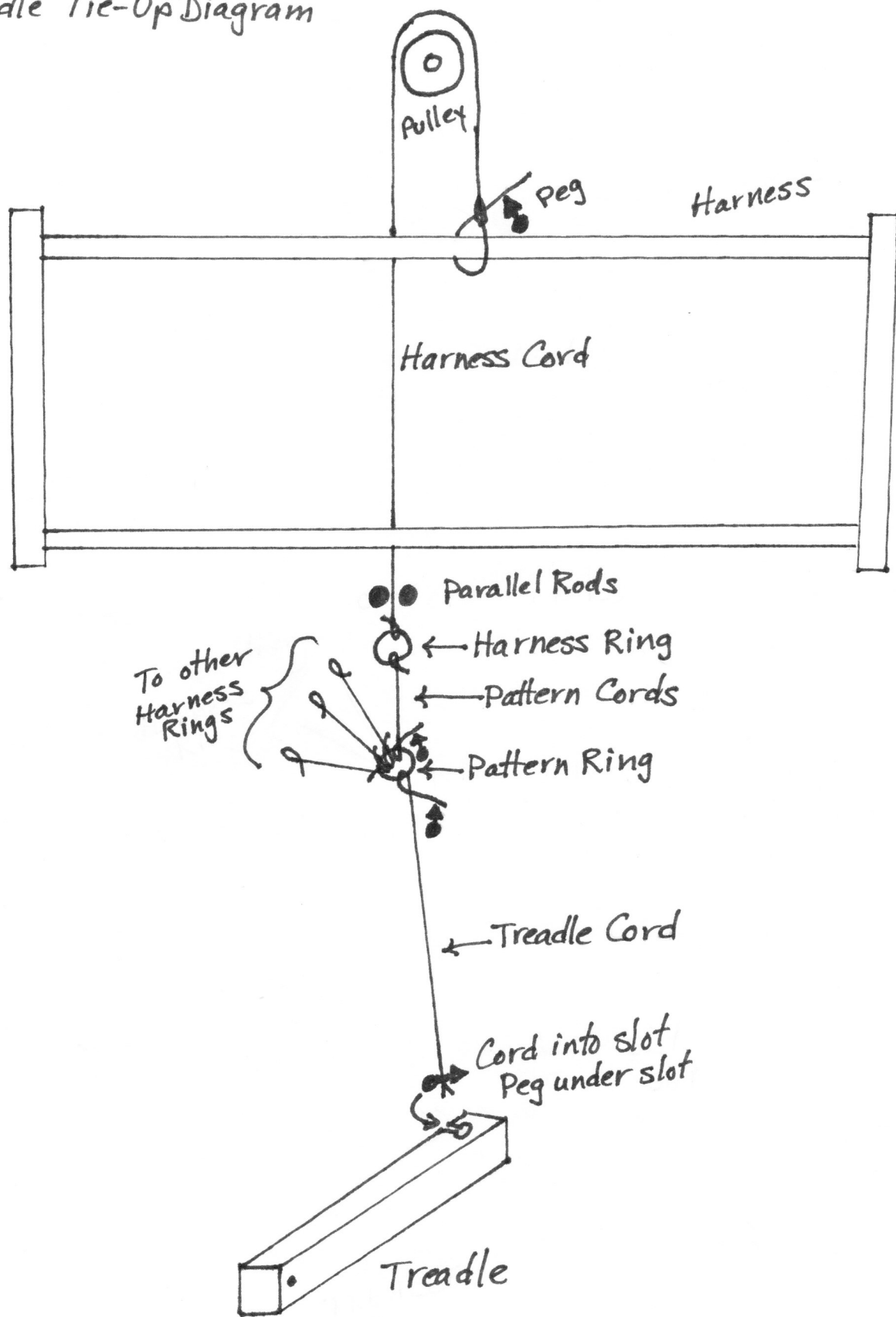
Simply slip treadle cords out of slots and pick up loom. Disassemble stand for easier transporting.

Guard Rod Diagram



GUARD RODS KEEP CORDS IN PULLEYS.
RODS SHOULD BE AS CLOSE AS POSSIBLE
TO PULLEYS WITHOUT TOUCHING.

Treadle Tie-Up Diagram



MULTIPLE TIE UP INSTRUCTIONS

NOTE: *It is necessary to make sure your hand lever cord attachment is correct before attempting to utilize the multiple tie-ups. We suggest weaving 1 or 2 projects first.*

Tie-up illustrated is for plain weave tabby. Right multiple tie-up hand lever cords are connected to odd number harnesses; left multiple tie-up hand lever cords are connected to even number harnesses. This example is only one of many possible routes for multiple tie-ups. The tabby for other weave structures may be very different. Once the tie-ups are completed most weavers leave it as plain weave tabby.

Refer to Photo Page:

Remove castle top from table loom. Place it upside down on a table as shown in the photos.

Photo #1 shows the placement of the eyelets. (Older looms may have a slightly different placement.)

Photo #2 shows the hand lever cords.

Photo #3 shows the multiple tie-up cords from the left eyelet routed for the odd number harnesses.

Photo #4 shows the multiple tie-up cords from the right eyelet routed for the even number harnesses.

Multiple tie-up cord routing directions:

Odds (refer to photo #3)

#1 = Goes under hand lever cords and through eyelet in *same* direction as hand lever cord.

#3 = Goes under hand lever cords and through eyelet in *same* direction as hand lever cord.

#5 = Goes through eyelet in *opposite* direction as hand lever cord.

#7 = Goes through eyelet in *opposite* direction as hand lever cord.

Evens (refer to photo #4)

#2 = Goes through eyelet in *opposite* direction as hand lever cord.

#4 = Goes through eyelet in *opposite* direction as hand lever cord.

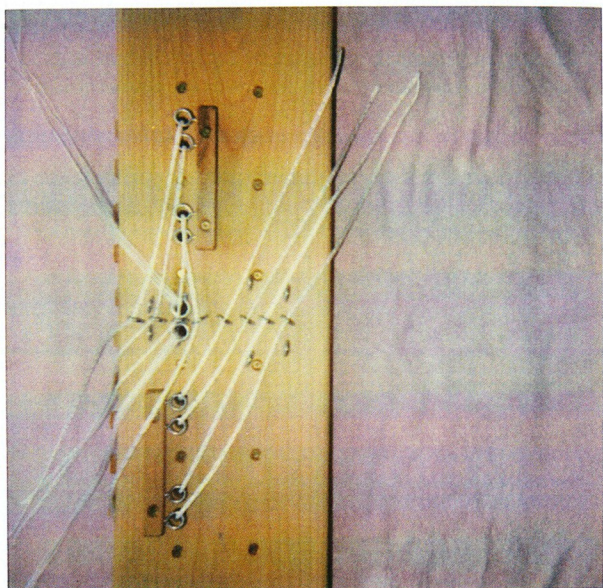
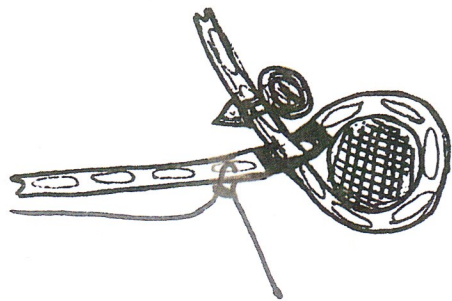
#6 = Goes through eyelet in *same* direction as hand lever cord.

#8 = Goes under hand lever cord and through eyelet in *same* direction as hand lever cord.

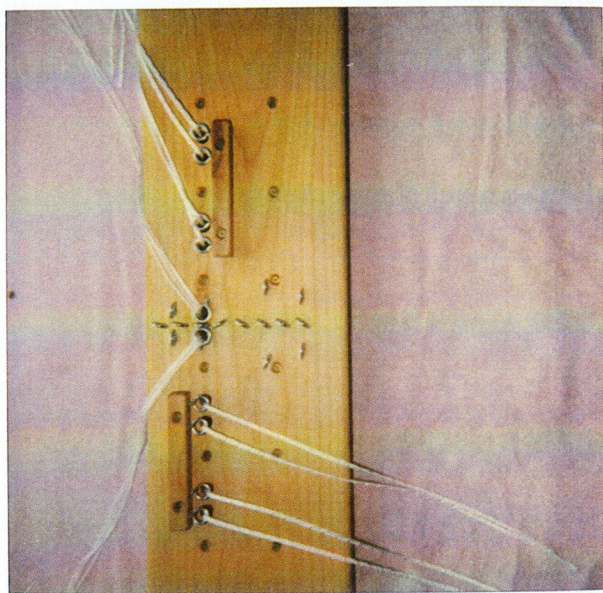
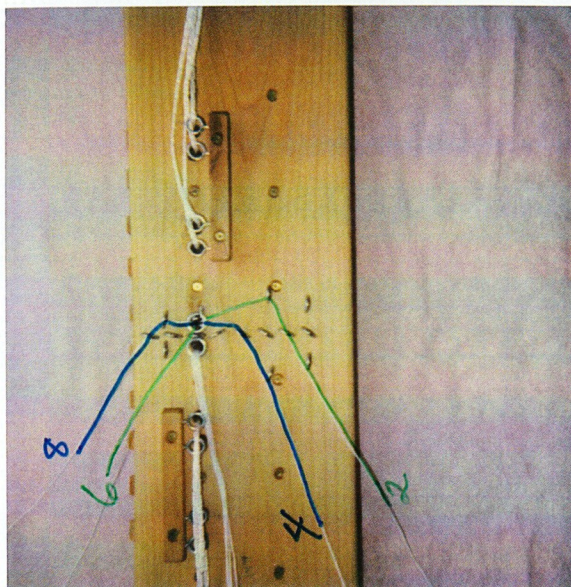
Attaching to Harnesses:

1. Install castle top on table loom. Try to keep cords from twisting around each other!
2. Reconnect hand lever cords to heddle bars.
3. Select multiple tie-up cord for harness #1. Make sure it isn't twisted around any other cords – this is very important!
4. Pull down #1 hand lever and “Odd” multiple tie-up hand lever.
5. Thread #1 multiple tie-up cord through hole in hand lever cord just above peg connection point. (See diagram below.)
6. Tie a double knot.
7. Test cord length by raising and lowering harness using multiple tie-up hand lever.
8. Adjust cord length as necessary.
9. Continue making connections with remainder of “Odd” multiple tie-up cords. Then repeat with “Even” cords.
10. Weave a complete project to test cord lengths. Trim off cord ends only after you are certain the connections are correct.

Attachment of multiple tie-up
cords onto hand lever cords.



#2 Hand Lever Cords



#1 Expt Placement

