Leclerc Looms
Since 1876

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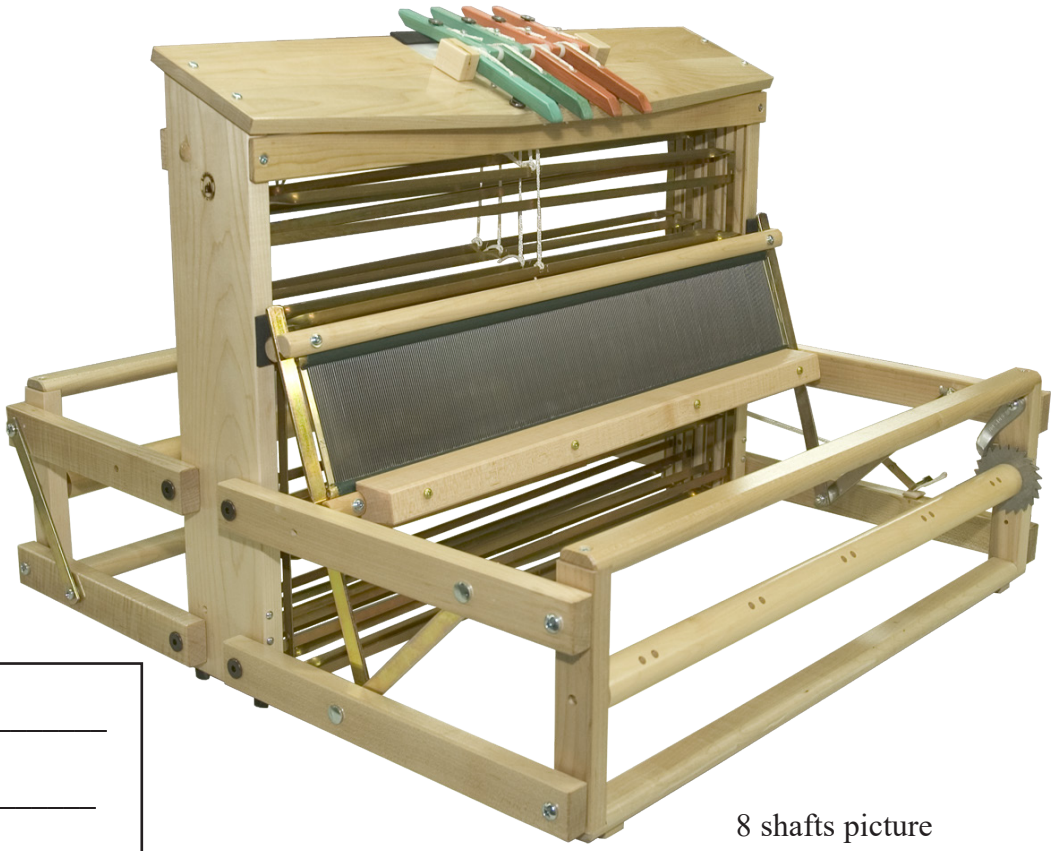

8 shafts picture

**Loom Prepared by:** _____

**Inspected by:**_____

**Date:**_____

# Voyageur 24”

**2124-0424 4s**
**2124-0824 8s**
**2124-1224 12s**
**2124-1624 16s**



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## The Loom shipping container includes the following (2 boxes):

- 12 Dent Stainless Steel Reed (B)
- 600 Inserted Eye Heddles.
- 2 x Crank handles (long)
- 1 x Leclerc Boat Shuttle 6122-0000 (Slim)
- 1 x Leclerc Reed and Heddle Hook 6141-7000
  for 12s and 16s only Hook 6140-9000
- 2 x Metal Lease Sticks
- 3 x Metal Warp Rods
- 10 x, 18" (46 cm) loop cords for lashing
- Screwdriver Multi
- 2 x transfer heddle bars.
- The book "Warp and Weave" by Robert Leclerc
- Friction brake wing nut
- One Allen Key 5/32
- 4 x #8 - 1" flat head screw
- 4 x #8 - 1 1/4" round head screw
- 4 x #8 - 1 1/4" flat head screw
- 8 x 1 1/4" bolt
- 8 x nylon spacer

LECLERC NOTE IN French:
les manivelles longues .

**- Holly Board with cross-members (#1)**

**- Left Upright (#2)**

**Right Upright (#3)**

**- Top board with shafts levers (#4)**

- **Front posts with beam (#5) (ratchet wheel)**

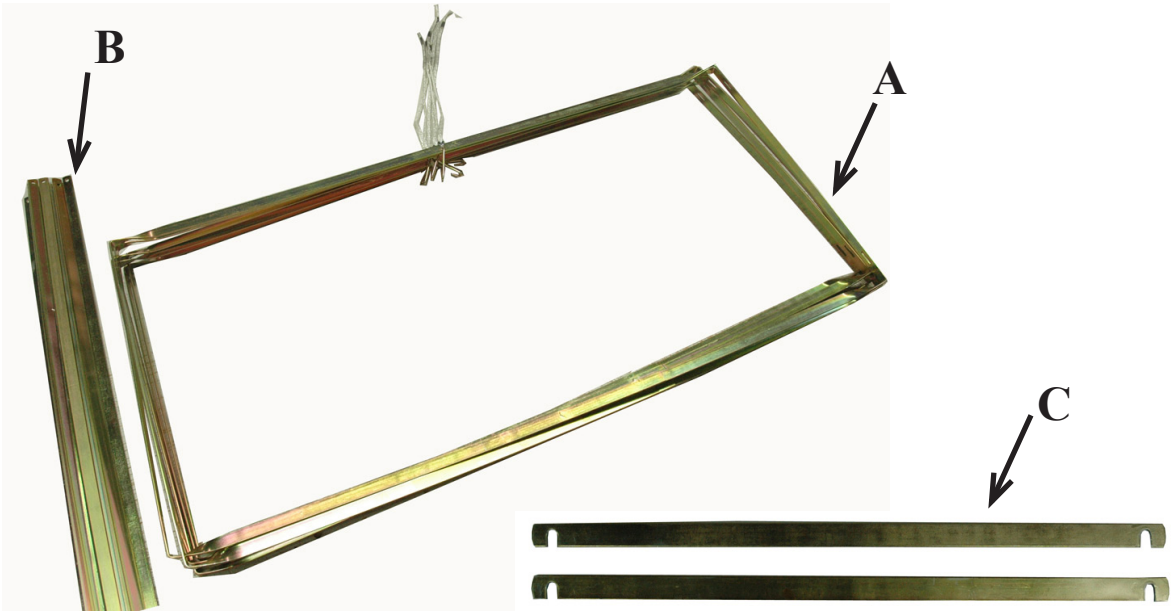
- **Back posts with beam (#6) (brake drum)**

- **Batten handtree (#7)**

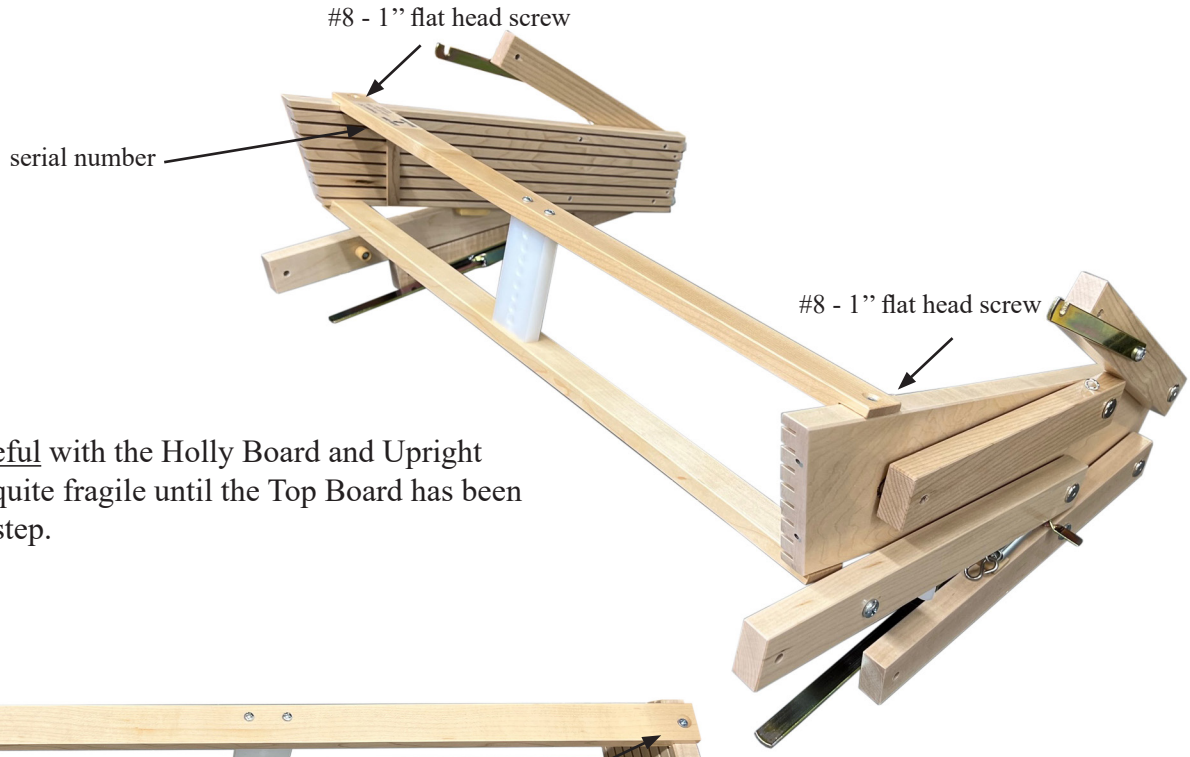
- **Batten sley with shuttle race (#8)**

- **Bottom Board (#9)**

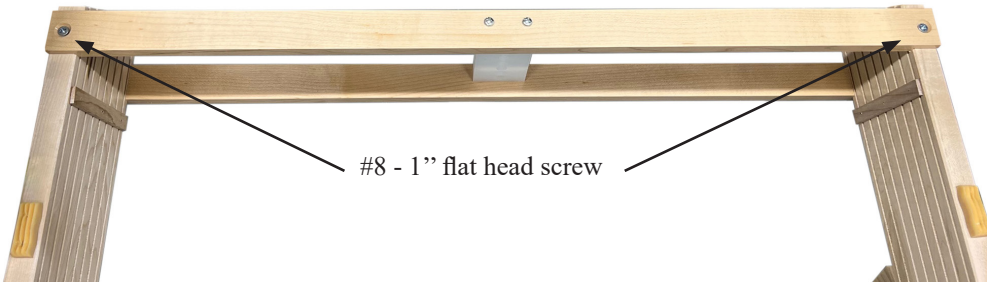
- **Shaft frames with the middle top heddle support hook and the loop cord (A)**
- **Heddle supports (B)**
- **Safety Side hook (C)**



Affix the Holly Board with cross-members (#1) to the right and left upright (#2 - #3) using 4 x #8 - 1” flat head screw




<u>Note: Be very careful</u> with the Holly Board and Upright Assembly as it is quite fragile until the Top Board has been added in the next step.

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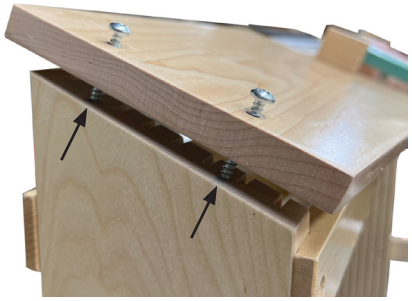
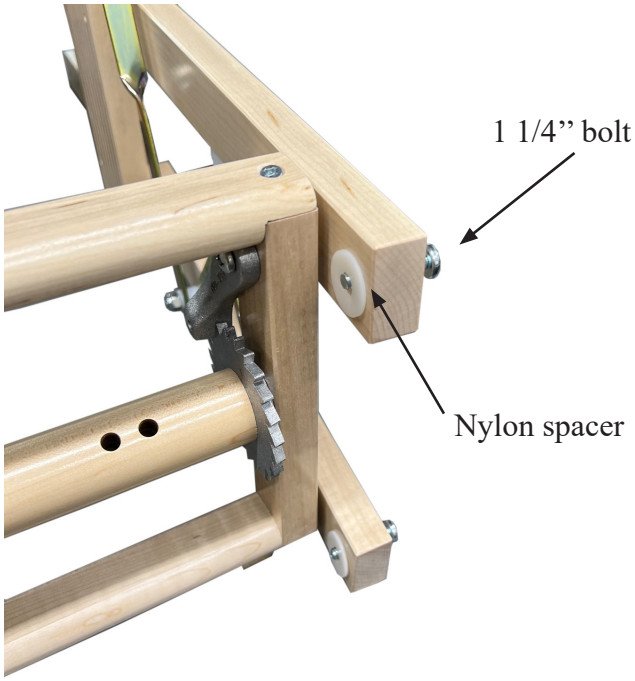
Affix the Top Board (#4) using 4 x #8 - 1 1/4” round head screw

Make sure the screws are aligned with the holes in the uprights before screwing them all the way in. Check that the top board fits with the uprights. Put all 4 screws in halfway first and then tighten them all.



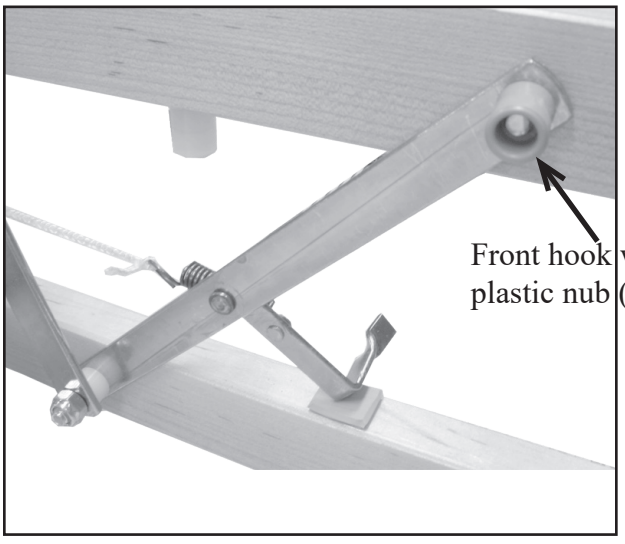
Affix the front (#5) and back (#6) posts assembly using the 8 x 1 1/4" bolt and the 8 x nylon spacer. A nylon spacer need to be placed between the posts and the lateral cross-members.

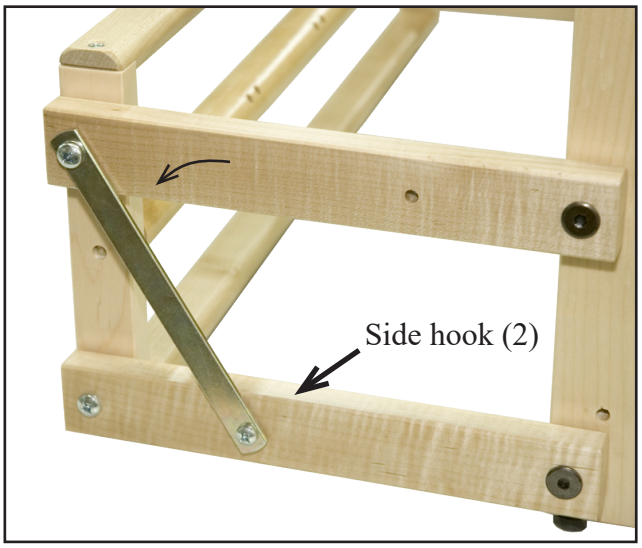



Affix the 2 front hooks (1) to the front cross-member using the plastic nub and the screwdriver to hold the bolts. Before attaching the right side hook, make sure the brake lever and spring are pointed toward the front of the loom (closest to the weaver) as shown.

Position the 2 back hooks (2) to the back post and tighten using the supplied screwdriver. The notch in the hook may appear to be out of alignment with the screw, but lowering the back section below the level of the rest of the loom will align the two. This can be done by positioning the loom on the table with the uprights at the table's edge and the back section hanging out over the edge. This setting puts pressure on the frame to avoid it rocking when the loom is sitting on a flat table.

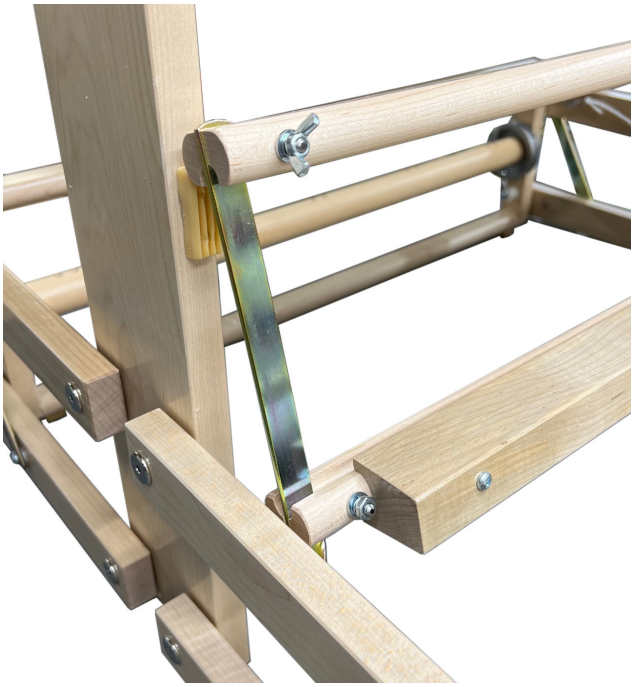
Install the Warp and Cloth Beam Cranks. The Loom is shipped from the Factory with a bolt instead of the cranks. Unscrew the Bolts holding the Beams in place and screw in the Cranks.
(Retain the Screws and side hooks for future folding)

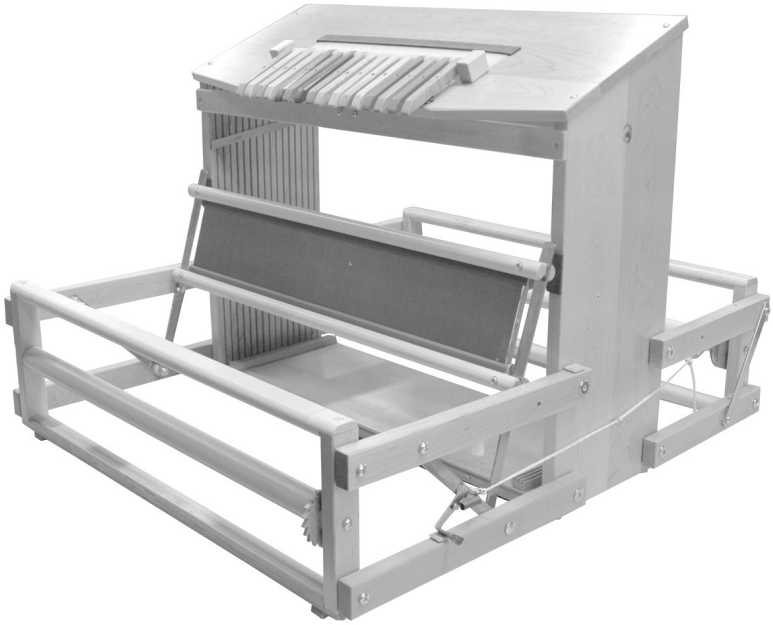


Install the batten handtree (#7) and the batten sley (#8) to the metal batten sword. You can install the reed at the same time.

The height of the Beater has been set at the Factory. If the beater needs adjustment, it should be set so the warp threads just touch the bottom of the reed when the beater is in the back, rest position.



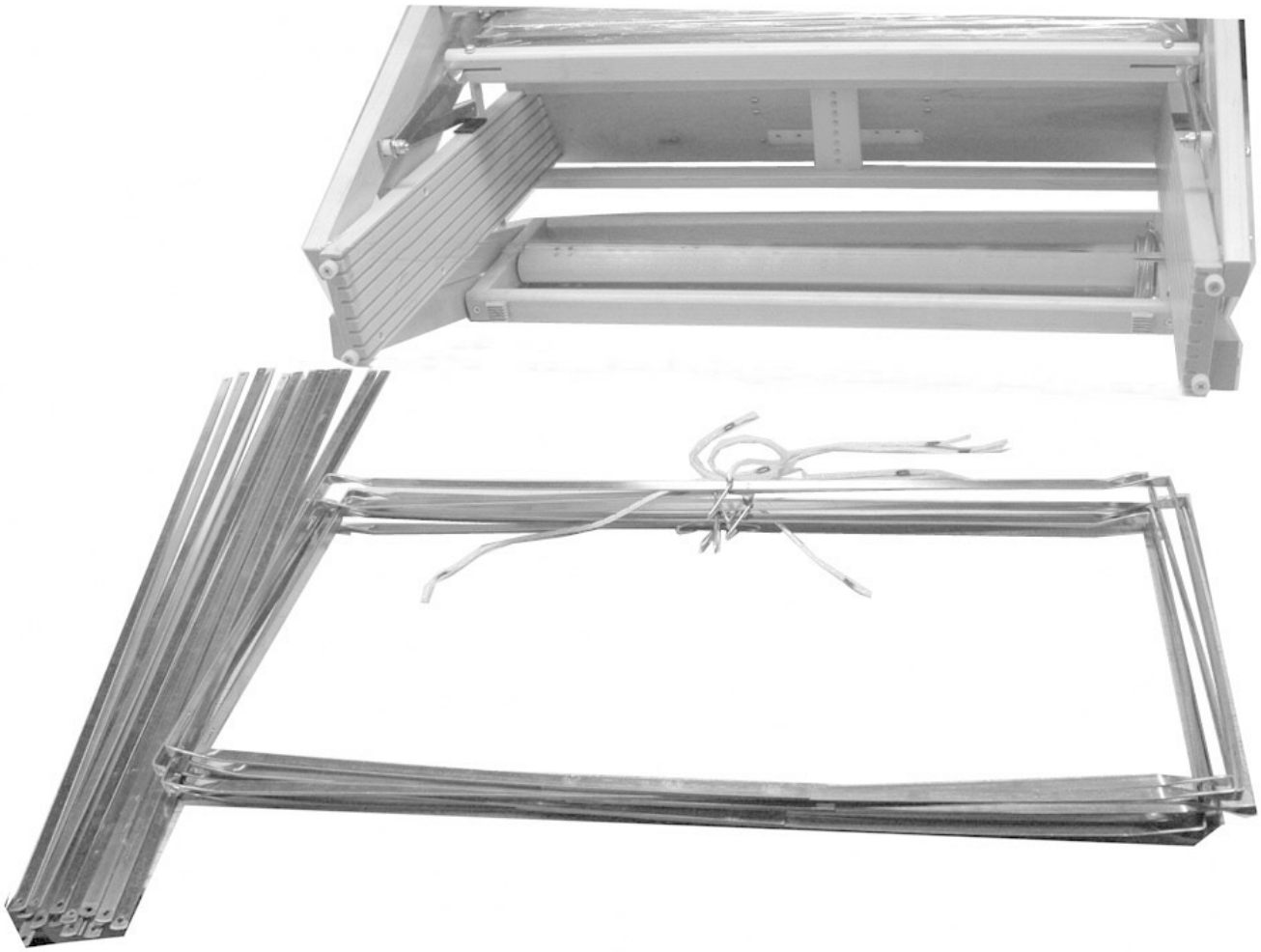


16 shafts picture

# Shaft frame installation.

Heddles can be install on the heddle support rods before installing the shaft frames to the loom.

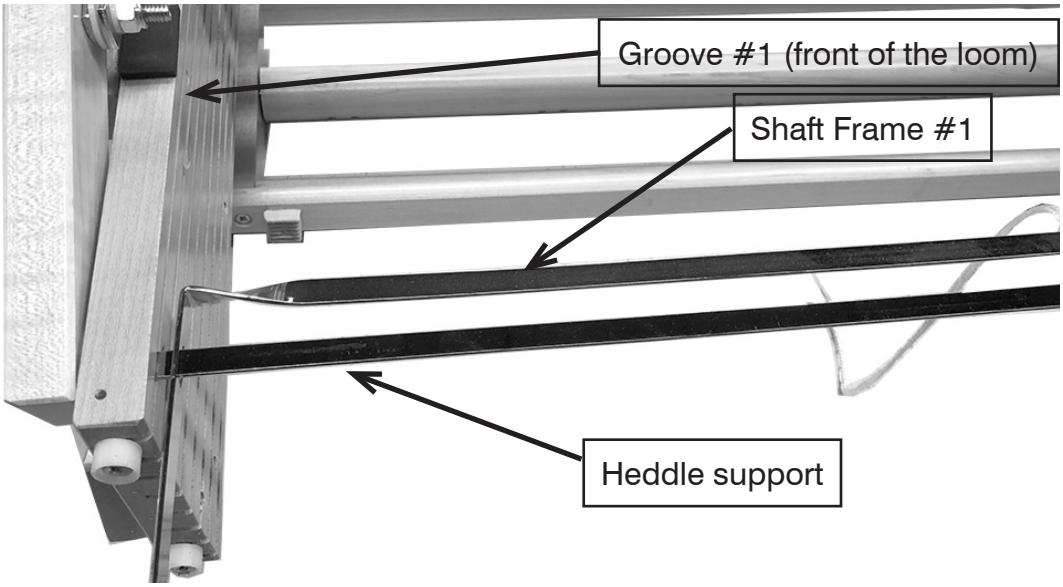
Lay the folded up loom on its back.

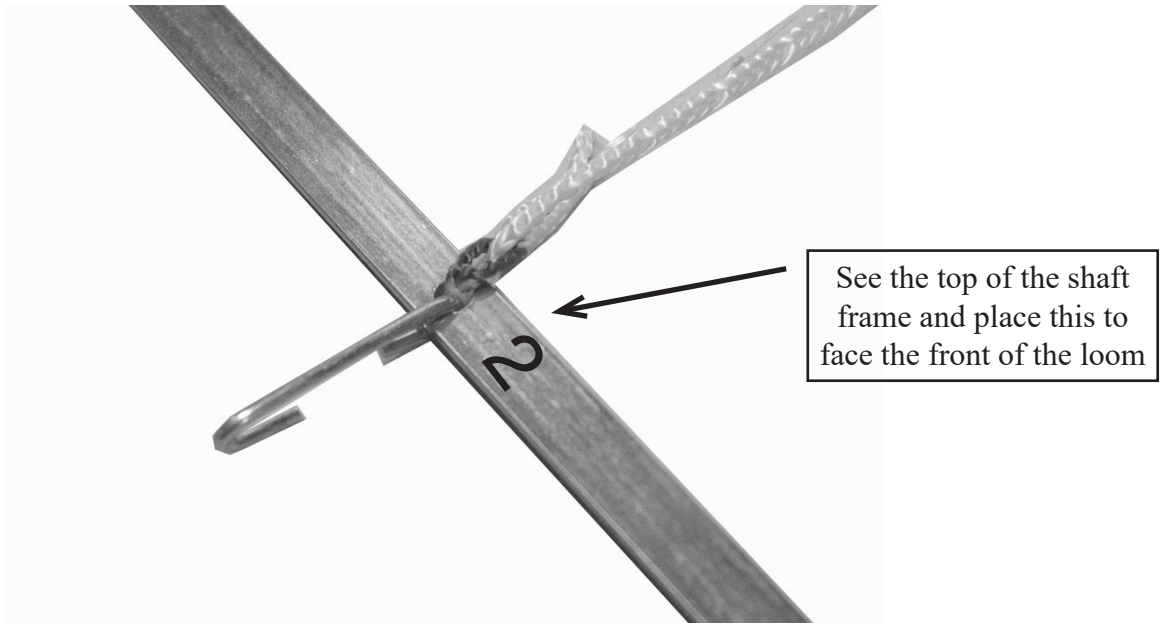


After transferring the desired number of heddles to a pair of Heddle Support Rods, insert one Heddle Support Rod in to the set of holes on the top of the Shaft Frame marked as “#1”.

Note that the top of the Shaft Frame has the piece of loop cord and has a shaft number stamped in it. The shaft number should be facing the weaver when the shaft is installed in the castle.

With it inserted in the shaft frame, feed the Heddle Support Rod into the bottom of the castle in the first set of grooves in the castle side at the front of the loom (ie. closest to the beater).

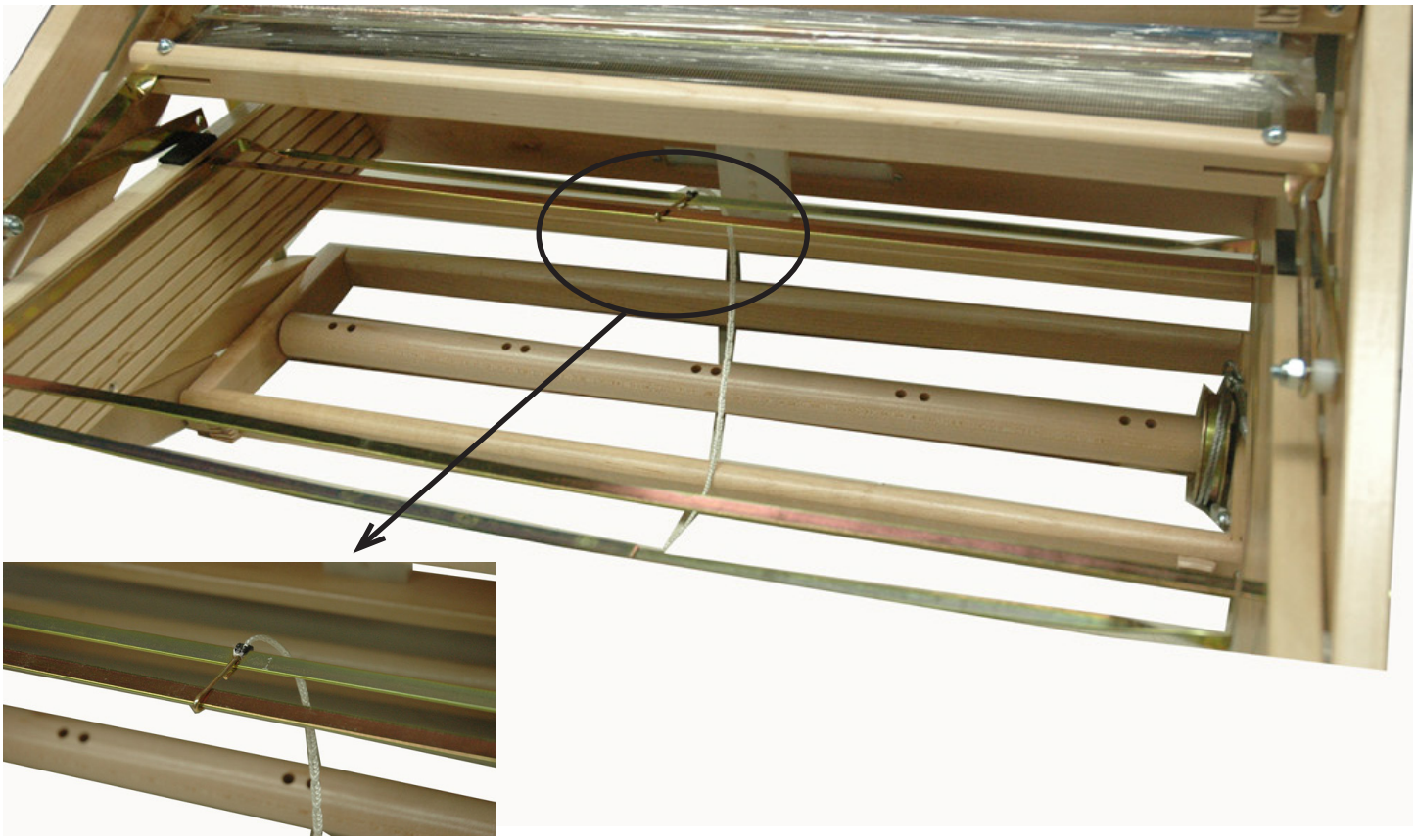


Slide the shaft up toward the top of the castle and feed the lower Heddle Support Rod into the same set of grooves at the bottom.

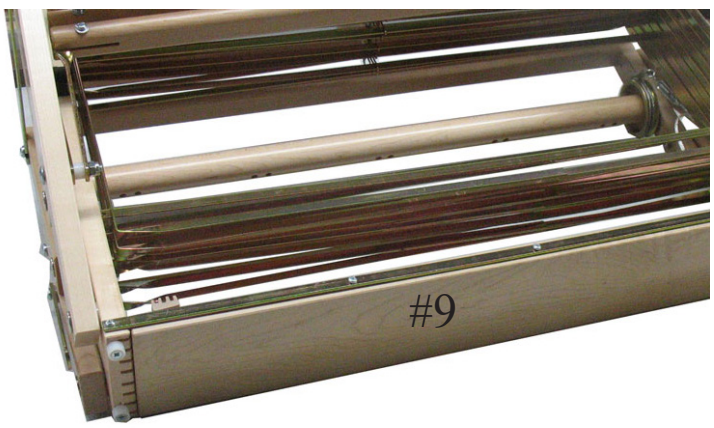
Repeat this process with the remaining Shaft Frames being careful to respect the number of each Shaft Frame

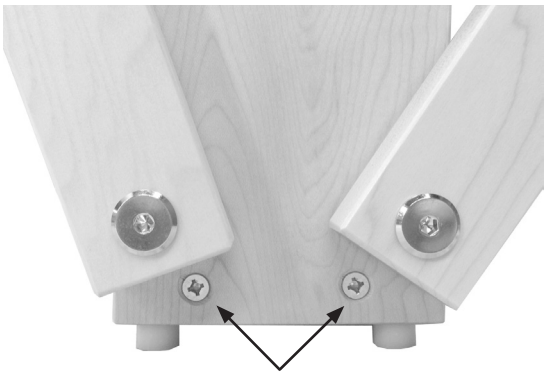
TIP: Moving the heddles into the center of the Shaft Frame helps to avoid them falling off during the installation process.



Once all the Shaft Frames have been installed, affix the bottom board (#9) to the loom using 2 screws on each side. 4 x #8 - 1 1/4" flat head screw

It may be necessary to loosen the two frame bolts 2 or 3 turns to access the screws(using the Allen Key provided). Make sure to re-tighten them when re-installing the bottom board.



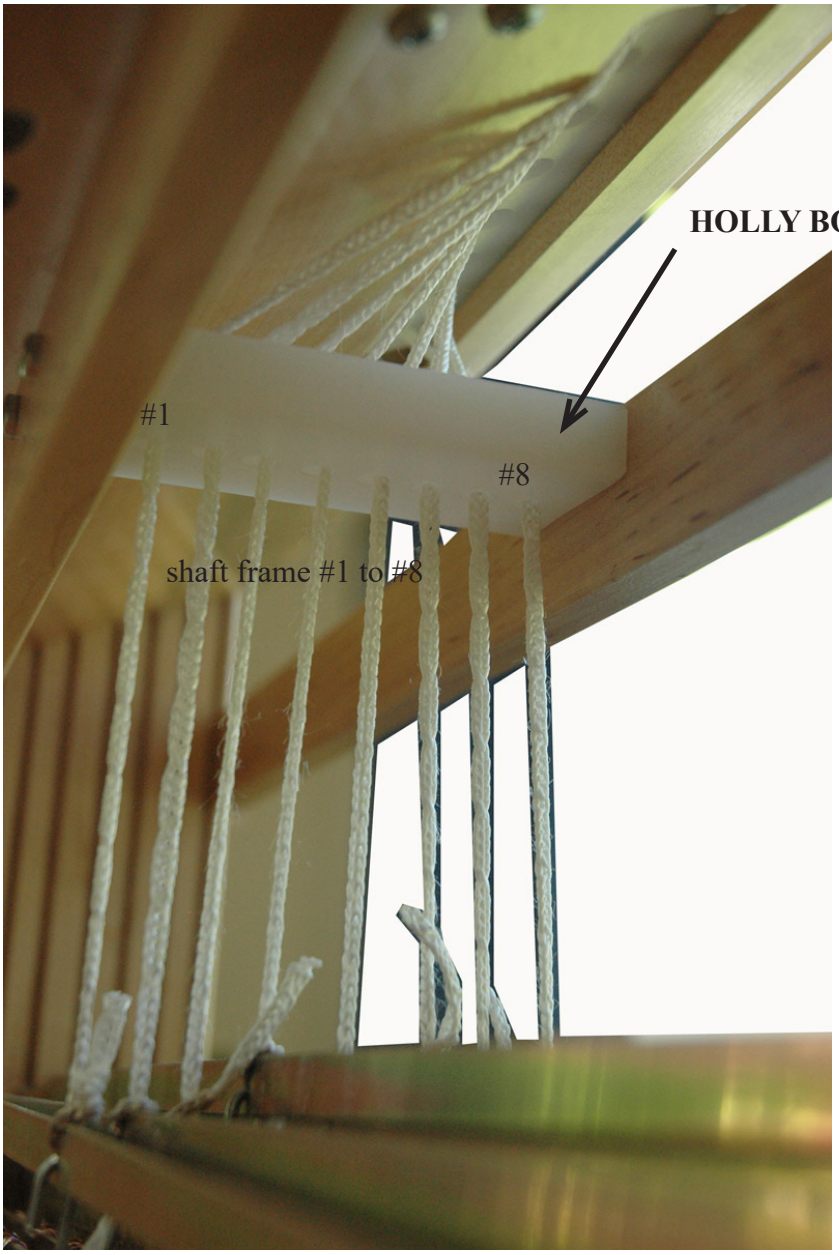



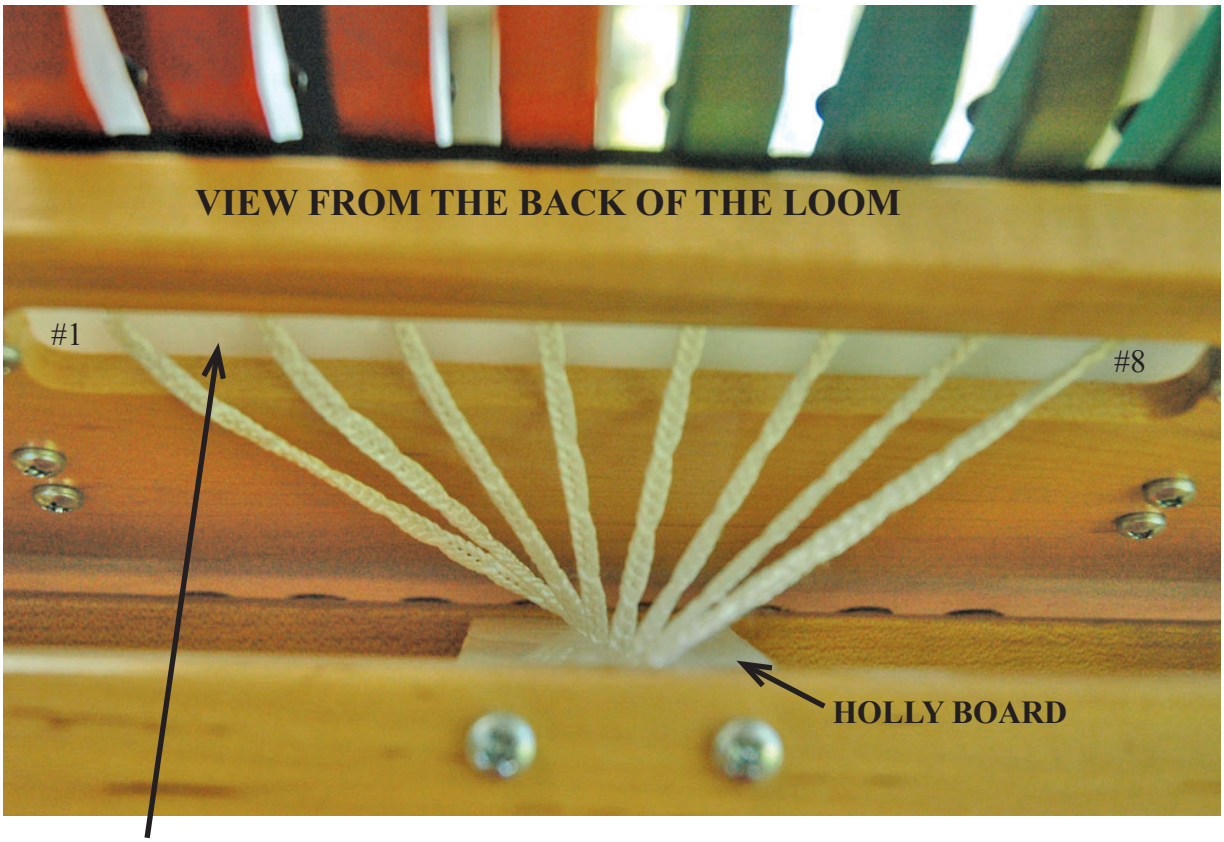
Unfold the front and back beam of the loom and sit it upright.
Thread the loop cords through the holly board (H), the top board Nylon guide and to the screw (at the black mark of each loom lever. (see next page pictures )

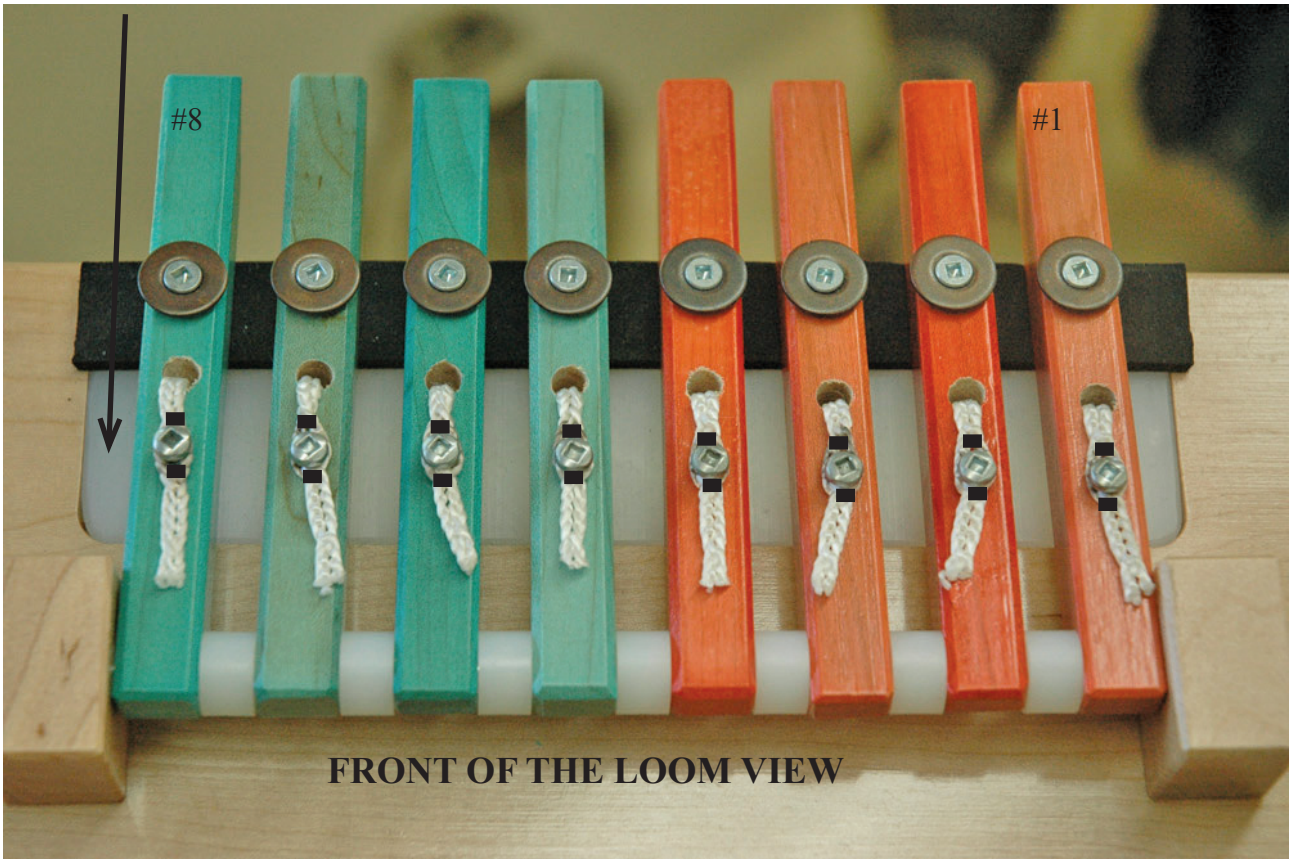
If the loom is right sided (the standard configuration), the shaft frame #1 cord goes at the right side of the loom (standing in the front of the loom)

If your loom is left sided, the Shaft #1 loop cord has to be threaded to connect to the left side lever.

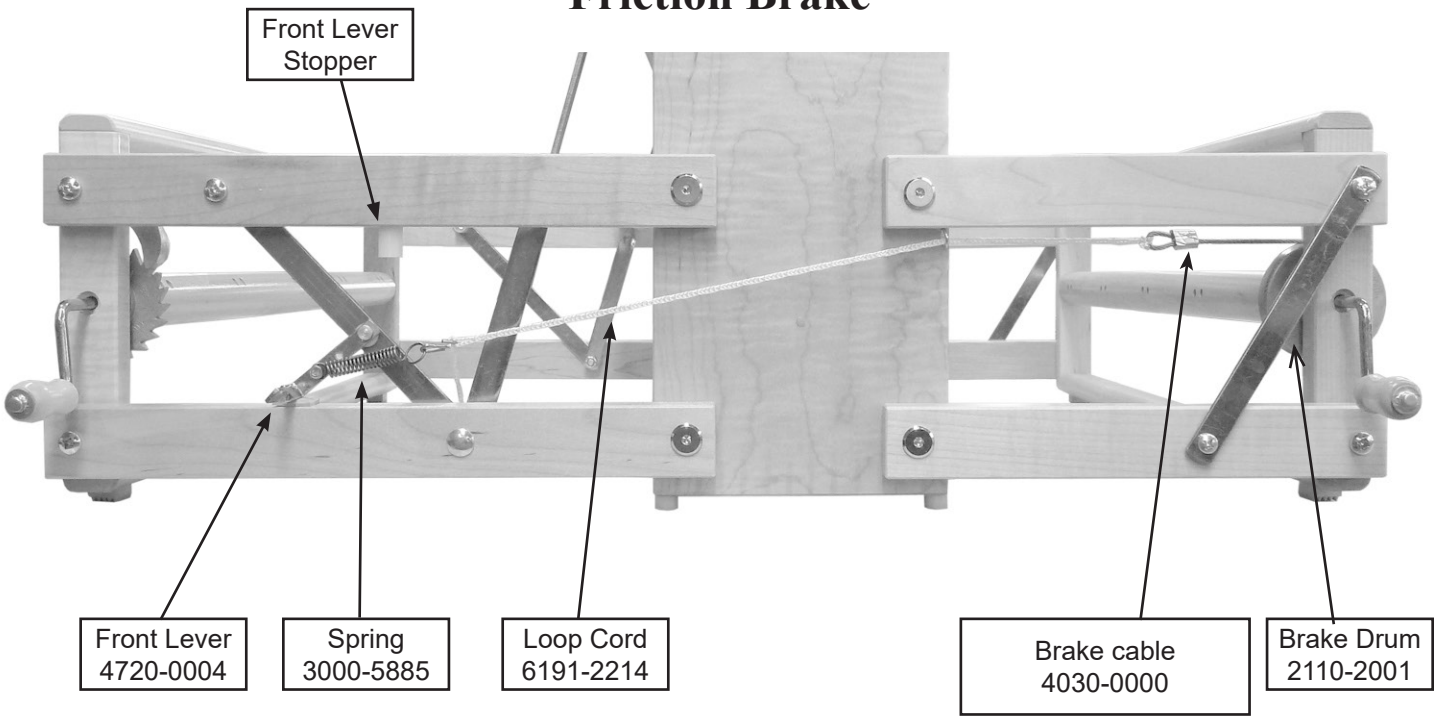
NOTE:
1) It is normal and desirable to have the back shaft frames a little higher then the front shaft frames. It will give you a better shed.
2) It is also normal to have the shaft frames not completely level to the ground. They will level by themselves with the tension on the warp threads.




VIEW FROM THE BACK OF THE LOOM
#1
#8
HOLLY BOARD
NYLON GUIDE


#8
#1
FRONT OF THE LOOM VIEW

# Friction Brake




The length of the loop cord has been marked (black mark) and tested before shipping. After some time, the loop cord may stretch. You will then have to readjust the tension by changing the loop on the cord.
When the front lever is release (to the front lever stopper), the brake cable (around the brake drum) should be loose enought to be able to turn the back beam.


Brake cable installation

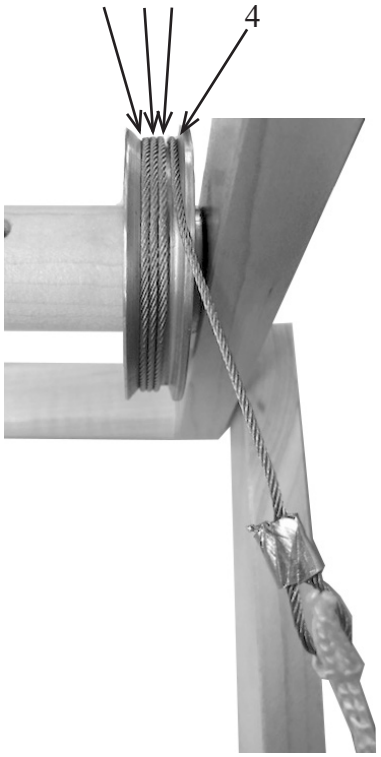
Turn 4 times the brake cables (WITH THE BRAKE LOOP CORD).

Place the first row inside the loom and the last row next to the back post.

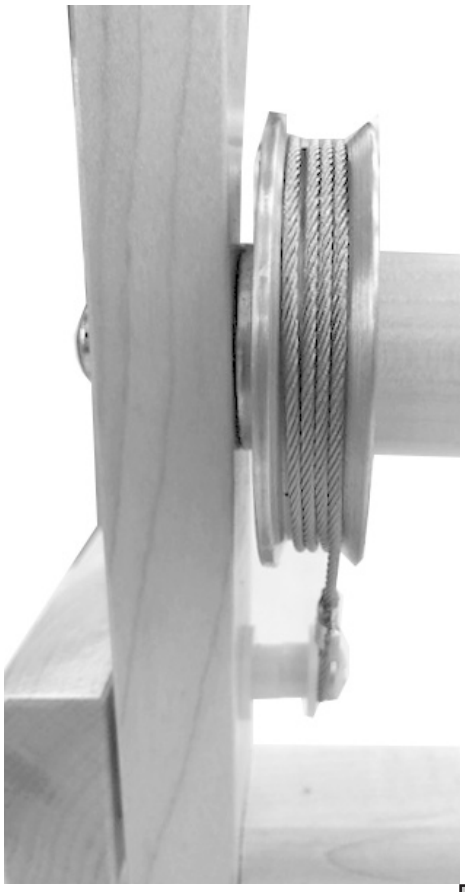
The brake cable should now be in the groove of the brake drum and the 4 rows have to be side by side.

After the brake cable is wrapped around the drum, check to make sure you have not introduced a twist in the cable while installing it. This can cause the brake cable to overlap or come off the brake drum when the brake is released.

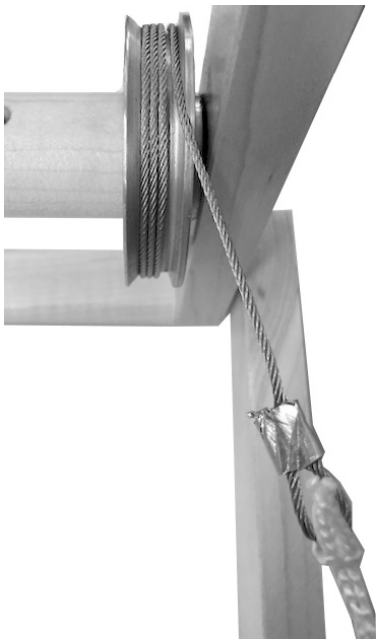
Pass the loop cord through the eye-bolt and make the connection to the springwhile the lever is up (release).

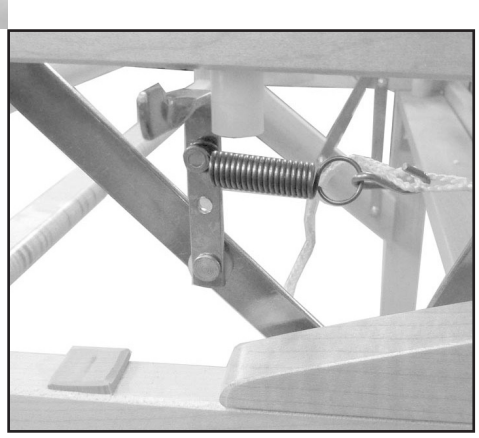


To advance the cloth, pivot the front lever to the back of the loom in order to release the tension on the brake circle.
When sufficiently advanced, pivot the lever back to the front to re-establish the tension on the brake. Tighten the warp with the warp beam crank.



Brake assembly with brake cable. Make sure that it is properly in place.



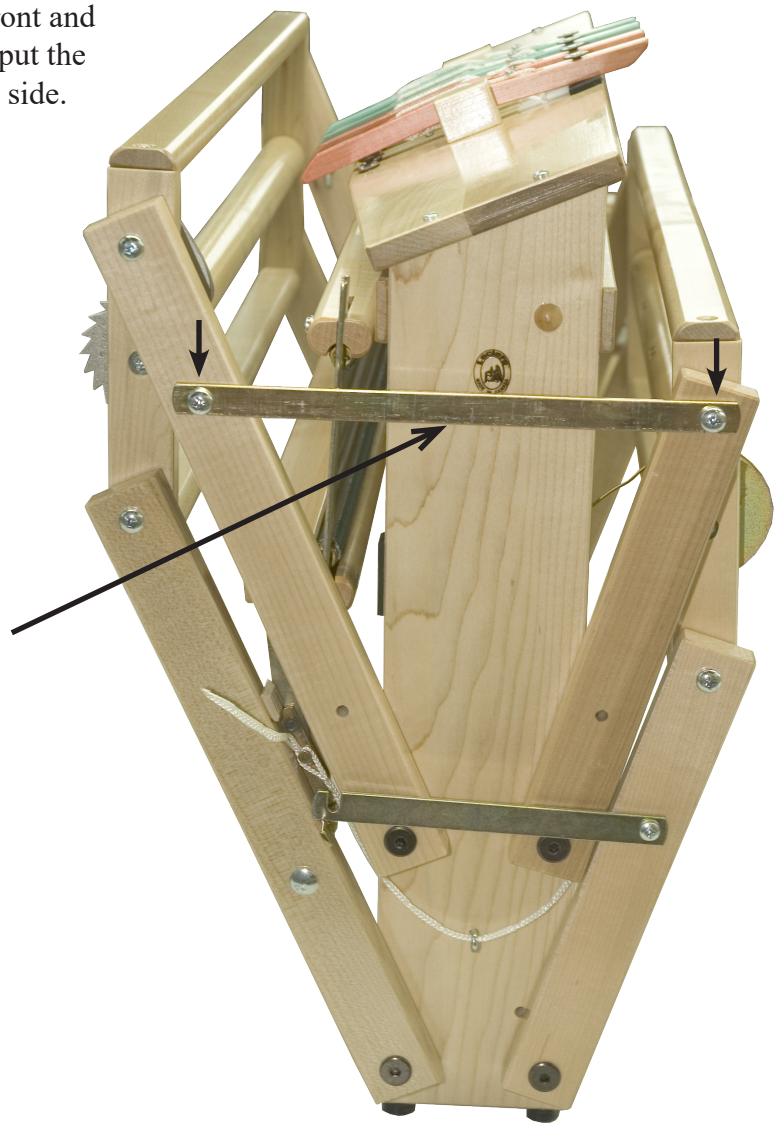


Move it up to release the brake.

Brake lever closed to tighten the brake cable.

## Safely fold the loom when on the go!

To lock in place the front and the back of the loom, put the side hook (C) on each side.

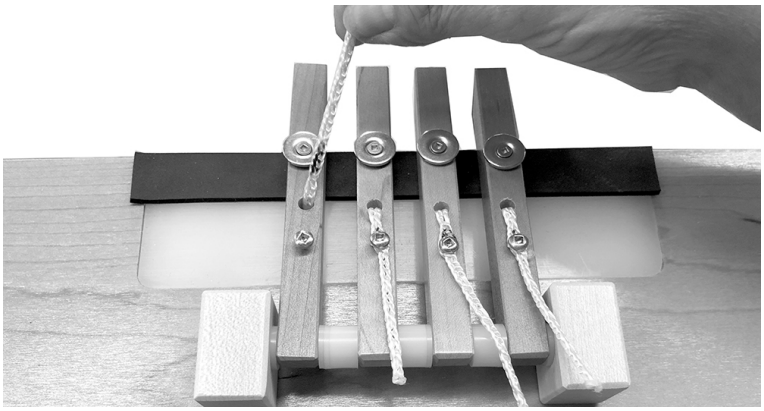


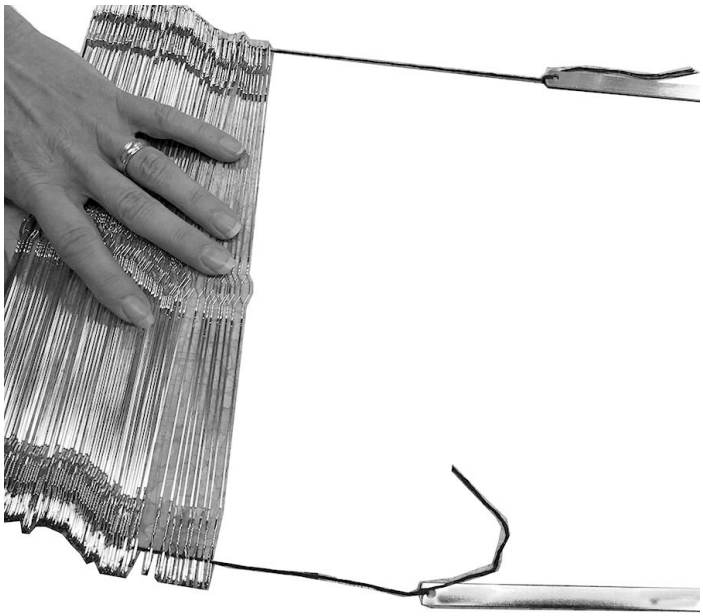
## Changing heddles:

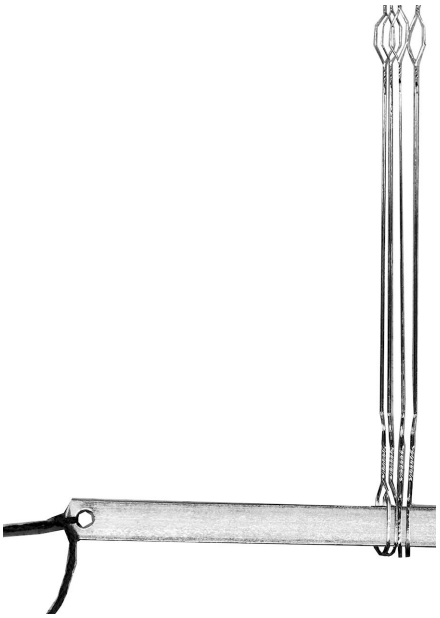
1) Lay the Loom on its left side(the side opposite the Cloth and Warp Beam Handles.), or fold up the back of the loom and lay the loom on its back.
2) Remove the loop cord from the lever of the shaft you want to change the heddles on .
3) Remove the shaft(s) from the Loom through the bottom by holding the ends of the Heddle Bars so that the Bars will not slip out of the Frames.
4) After making the desired changes, reverse the procedure to replace the Shafts. Please note that each Shaft is numbered. It is important that each Shaft be returned to its numbered slot (#1 is in front and #8 is in back) Each Lever/Shaft Cord must be replaced in its proper hole in the Lever/Shaft Guide Board(holey board). #1 is closest to the front and #8 is the furthest hole to the back.

If you have a large number of Heddles to transfer, you can use the transfer bars supplied with the loom.

It is also possible to remove the shaft frame from the loom in order to change heddles by:
1) Disconnect the loop cords of the shaft frame.
2) Bend a little the top and the bottom heddle supports and take the complete shaft frame out.



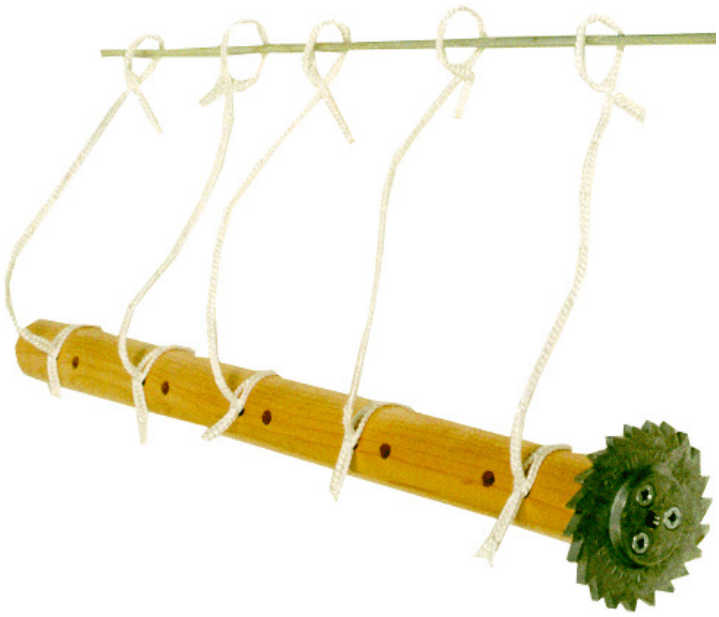




## PREPARING (Stringing) WARP AND CLOTH BEAMS

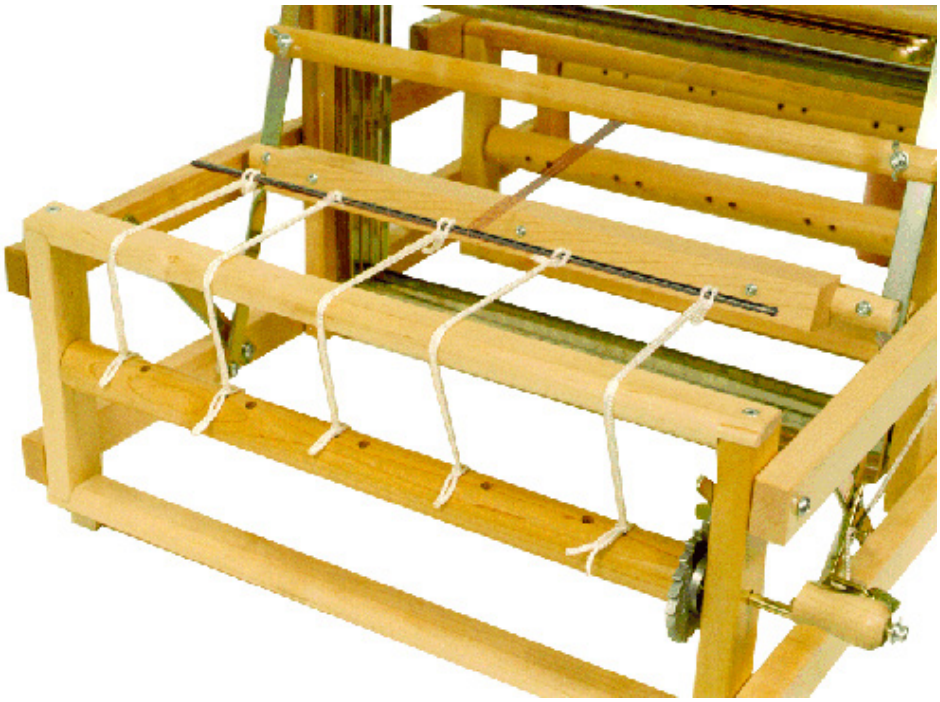
1) Into 5 evenly chosen holes on each beam, thread one length of the loop cord.
2) Thread each loop cord back through itself, using the first hole in the Cord, as it comes out of the beam and pull tight.
3)Using the last hole of the free end on each Cord, pull a portion of the Cord through the hole forming a Loop. ( A crochet hook can help you)

4) Slip a Bar through each loop of all cords and pull tight.(See diagram)



**Warp beam advance control system**

This system will eliminate excessive warp yarn advance when releasing the brake system at cloth take-up. This friction system is adjustable and have to be released when winding the warp on.
Just screw the wing nut with nylon bolt to the left back post. Screw in to increase the friction or unscrew it to release.



## Voyageur Loom Shaft Adjustment

Voyageur Looms are shipped from the Factory with the Shafts preset for initial weaving. As the Shaft Frames and Cords relax under weaving tension, the Shaft height may need to be readjusted.

To adjust the Shaft height:
1) Set the Shaft in the raised position (Magnets in contact).

2) Place your little finger(Pinky) over the Hole and Cord in the Castle Top holding the Cord firm. Release the Lever.

3) Draw the slack through the Lever Cord Hole and set the new Cord position by advancing or backing off one Loop Hole over the Locking Pin(Screw Head) on the Lever .

**PROMPTLY CALL YOUR DEALER OR LECLERC FOR ANY QUESTIONS.**

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