

KIT 8 SHAFT FOR (Old) NILUS WITH BACK HINGE TREADLES

1025-2836 = 36"

1025-2845 = 45"

1025-2860 = 60"



On receiving the loom, unpack and lay out the loom components
Do NOT discard any packing material until all parts are inventoried.

Check the parts received against the parts list on pages #2 to #4 of the assembly instructions. Report any discrepancies to Leclerc immediately.

With two people (minimum) this conversion kit may take up to 4 to 5 hours to install.



1573 Savoie
C. P. 4
Plessisville, Qc.
G6L 2Y6

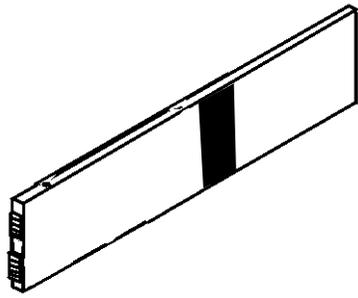
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Loom Prepared by: _____

Inspected by: _____

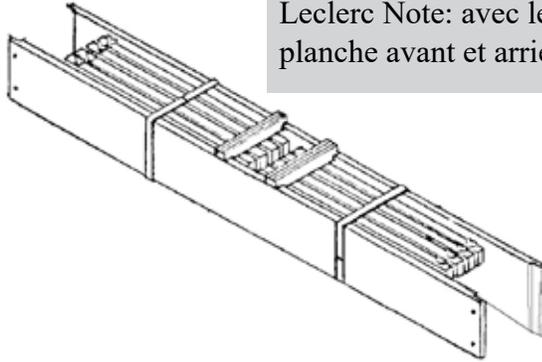
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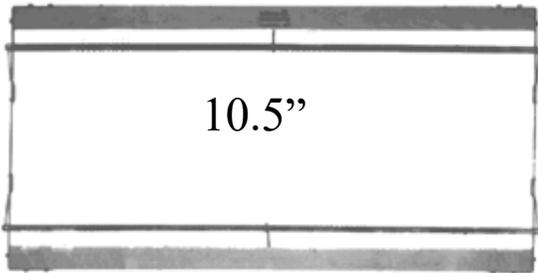
1 Right hand side upright 43 1/4" x 7 1/8" x 1 3/4"
with block installed

1 Left hand side upright 43 1/4" x 7 1/8" x 1 3/4"
with block installed

Leclerc Note: avec les vis
planche avant et arrière



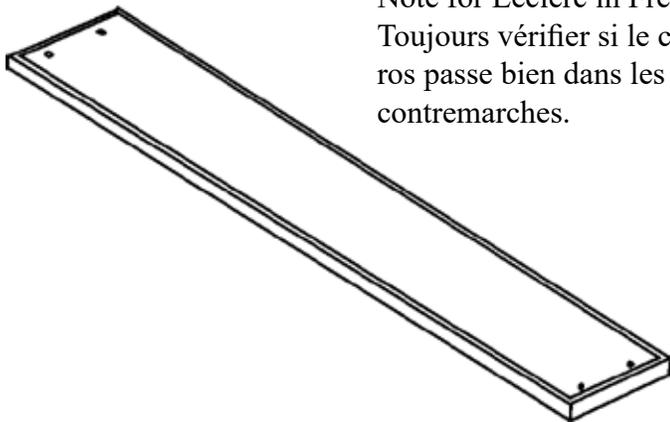
Complete jack box assembly



4 Shaft frame 47 3/4" x 14 7/8" (63" x 14 7/8")



8 Floating lams 34 1/8" (cc= 2 3/4")



Note for Leclerc in French :
Toujours vérifier si le crochet à
ros passe bien dans les trous des
contremarches.

1 Castle top (shelf)

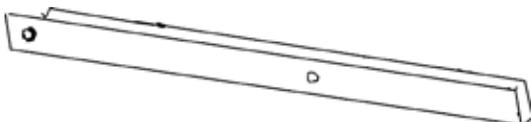
cc 36" = 41 5/8"

45" = 50 3/4"

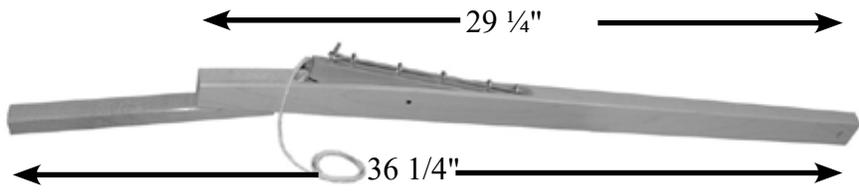
60" = 65 15/16"



1 Brake lever with turnbuckle 9 3/4"
+ 1 brake rod



1 Brake treadle 26" x 1 1/2" x 3/4"



10 treadles with rocker piece
(with loop cords for rockers : 17 3/4")



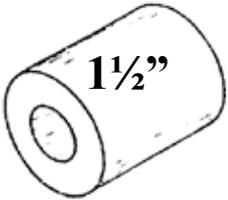
1 Treadle Separator 40"



1 Treadle set rod 28 3/4" x 7/16" with
one push nut



2 more one push nut



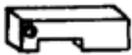
X 8



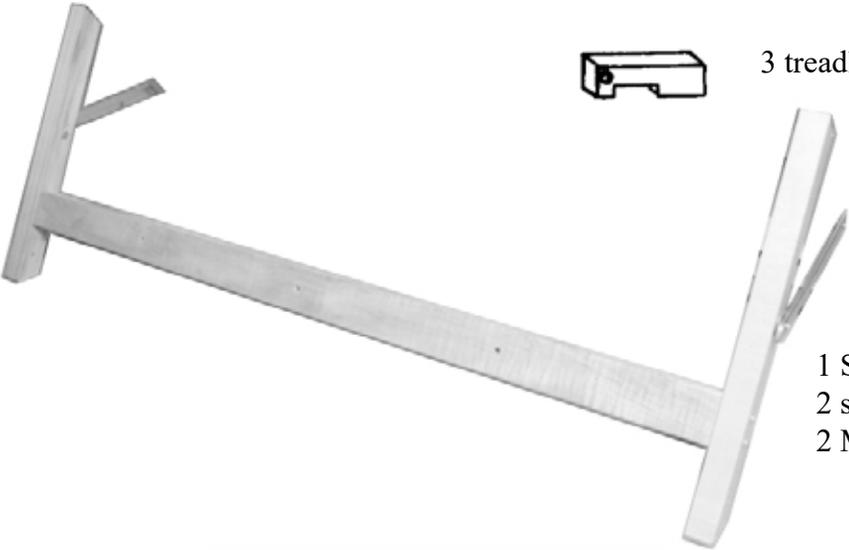
1 set of 10 treadle hooks 9"



10 pegs to lock the treadle hooks



3 treadle supports



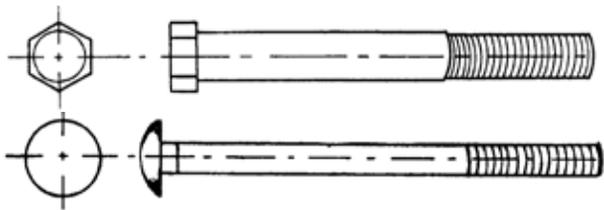
1 Stabilizing post cross member
2 stabilizing back posts
2 Metal hook



1 Brake cord app 46" for the brake cord system



2 x back posts hooks 16" CC outside holes



Machine bolts
4 X - 3/8" x 9"

Carriage Bolts
3 X - 5/16" x 4"
2 X - 1/4" x 2 1/2"



SQUARE NUTS
3 X - 5/16"



Round head screw

6 X - #8 1 1/2" (treadle separator & lams separator)
1 X - #12 x 1" (brake spring)
2 X - #12 x 1 1/2" (Back post hook)
4 X - #14 x 3" (Stabilizing post)
8 X - #12 x 1 1/2" jack box
1 X - #14 x 2" (brake treadle)



Flat head screw

4X - #12 x 1 1/2" (castle top)
6X - # 8 x 3/4" (back post hinge)



3 X - 1/4" (brake treadle and spring)
3 X - 5/16" (treadle set)
4 X - 9/16" (treadle set)



2 X - 1/4" Wing Nut



2 X - Brown plastic for back post hooks



5 sets of 12 treadle cords 7"



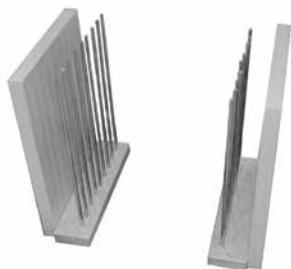
3 screwdrivers
Black, Red, Green



ajustable wrench

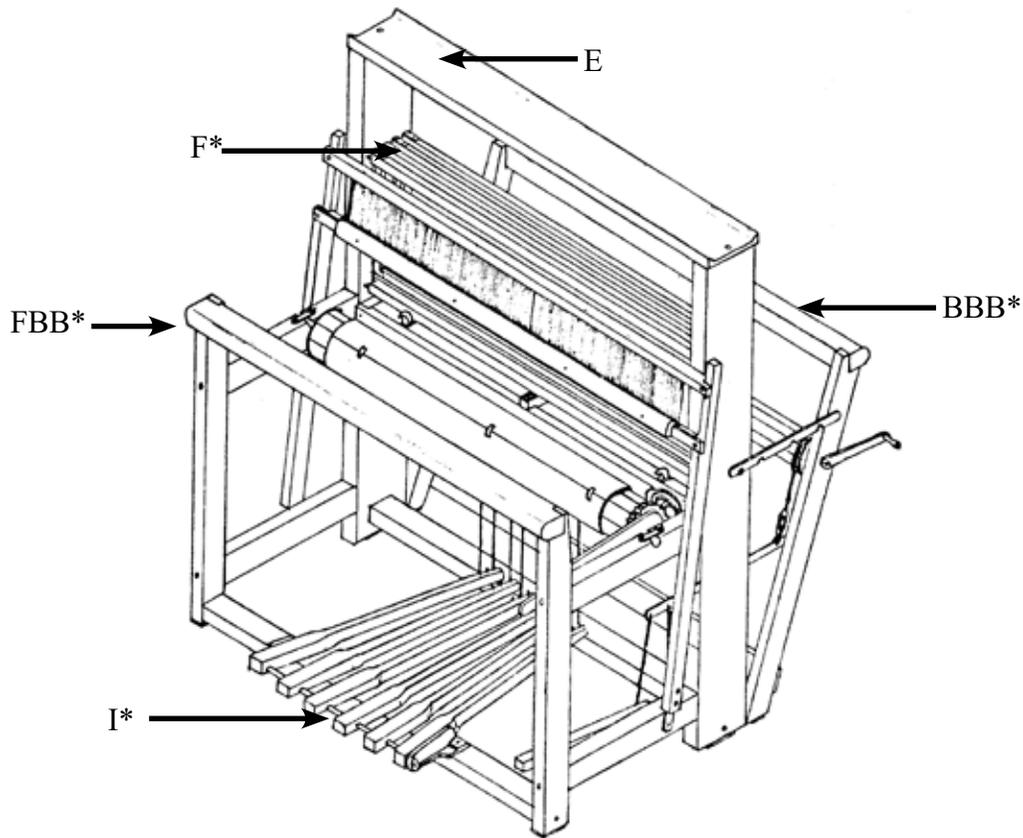


10 treadle springs with loop cord 6 1/2"



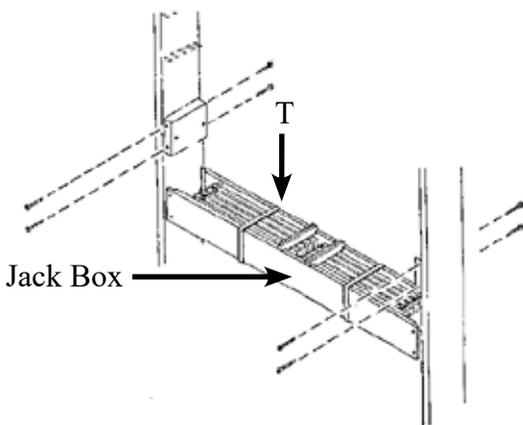
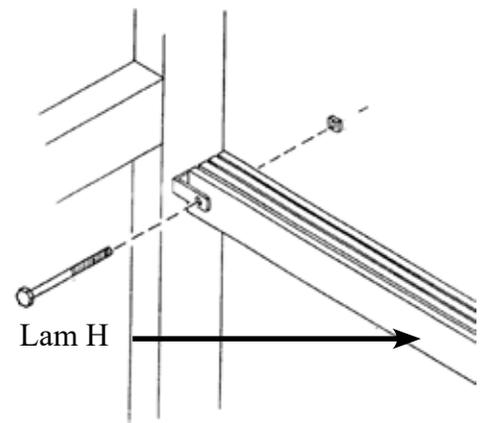
2 X Lam seperators

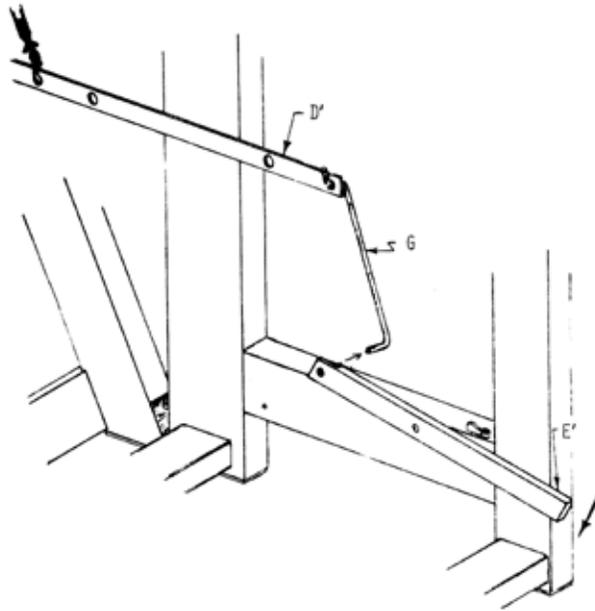
You will also need : 1 electric drill
Drill bit 11/64" - 1/8" - 1/16"



- 1- Remove the whole Treadle Set I *
- 2- Remove Front and Back Breastbeam FBB*, BBB*
- 3- Remove Castle Top E
- 4- Remove Warp and Cloth Beam *
- 5- Remove the four Shaft Frames F*
- 6- Remove the four Lams (you may use a screwdriver to open the "S" hooks holding the lams to the jack)
- 7- Remove the jack box*

* set aside for re-use with all screws, bolts, washers and nuts



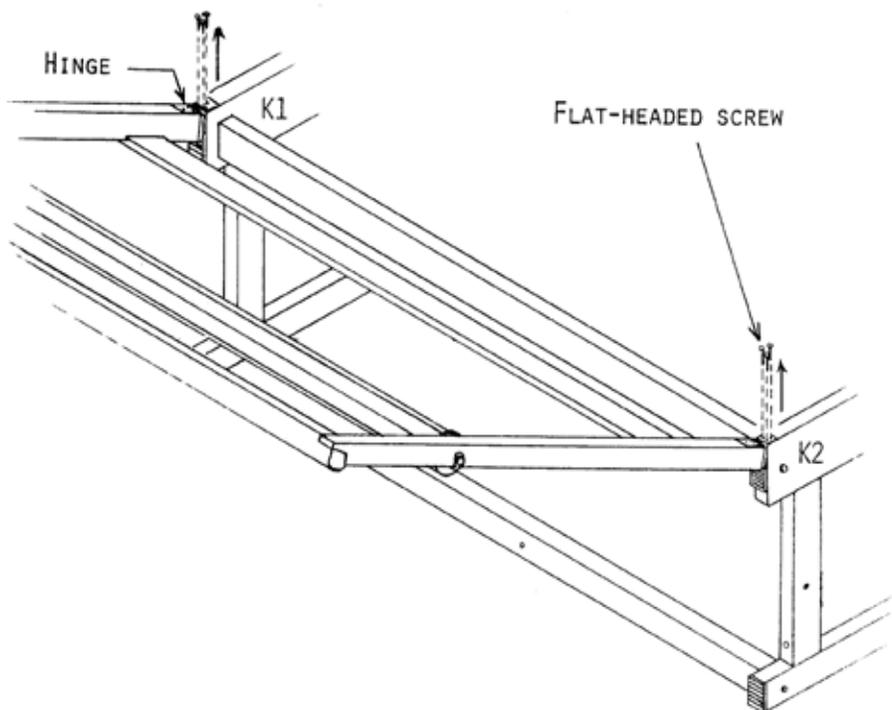


Lay the loom on its front with the back stabilizing assembly folded.
 Disconnect the brake treadle from the L-shaped rod G

Unfold the back section of the loom and set it down on a chair.

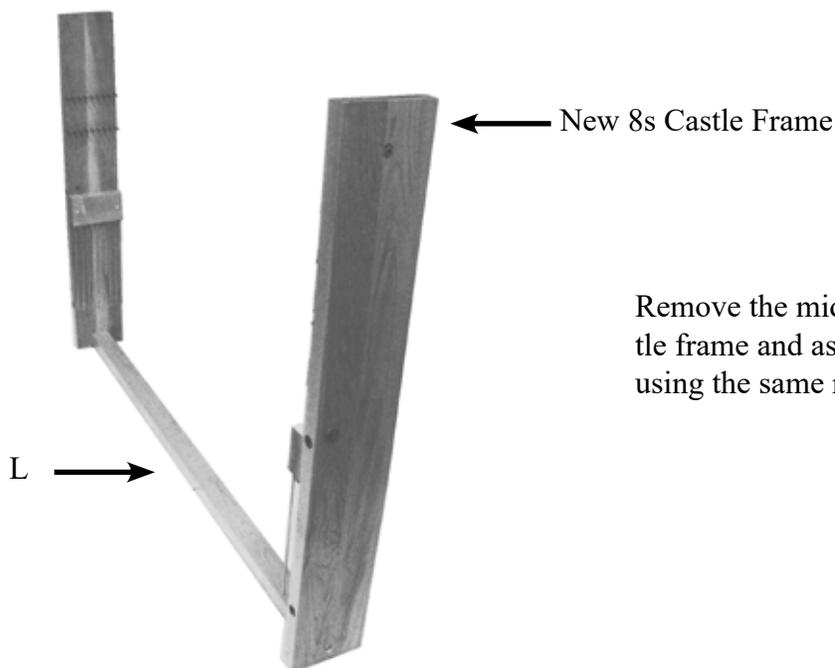
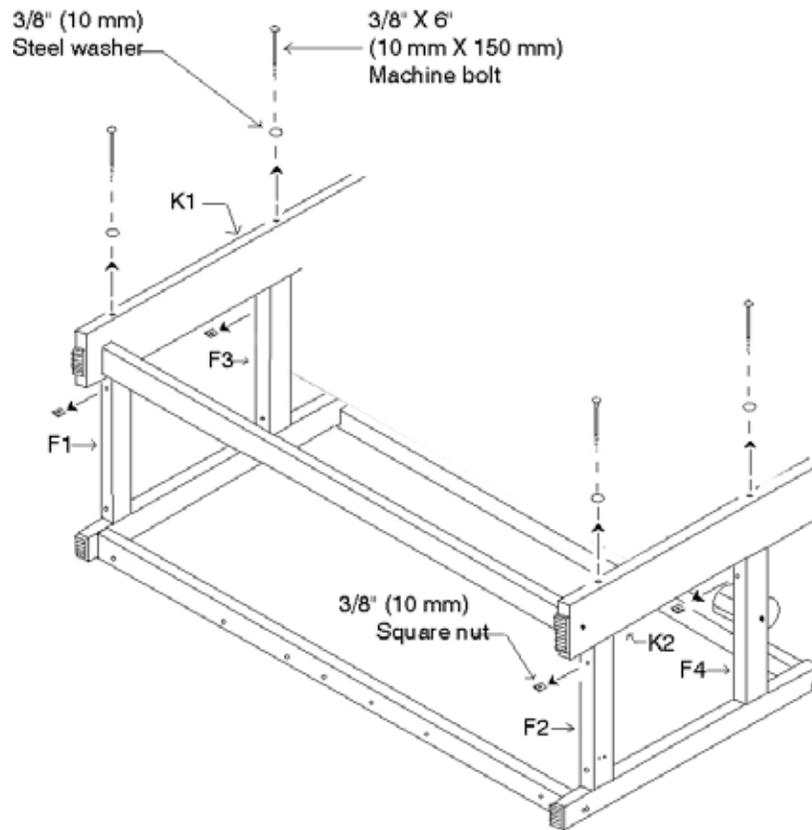
Remove the screws Flat-Headed Screws* holding the hinges* to middle posts, and remove the back stabilizing assembly. (not to be re-used)

* set aside for re-use



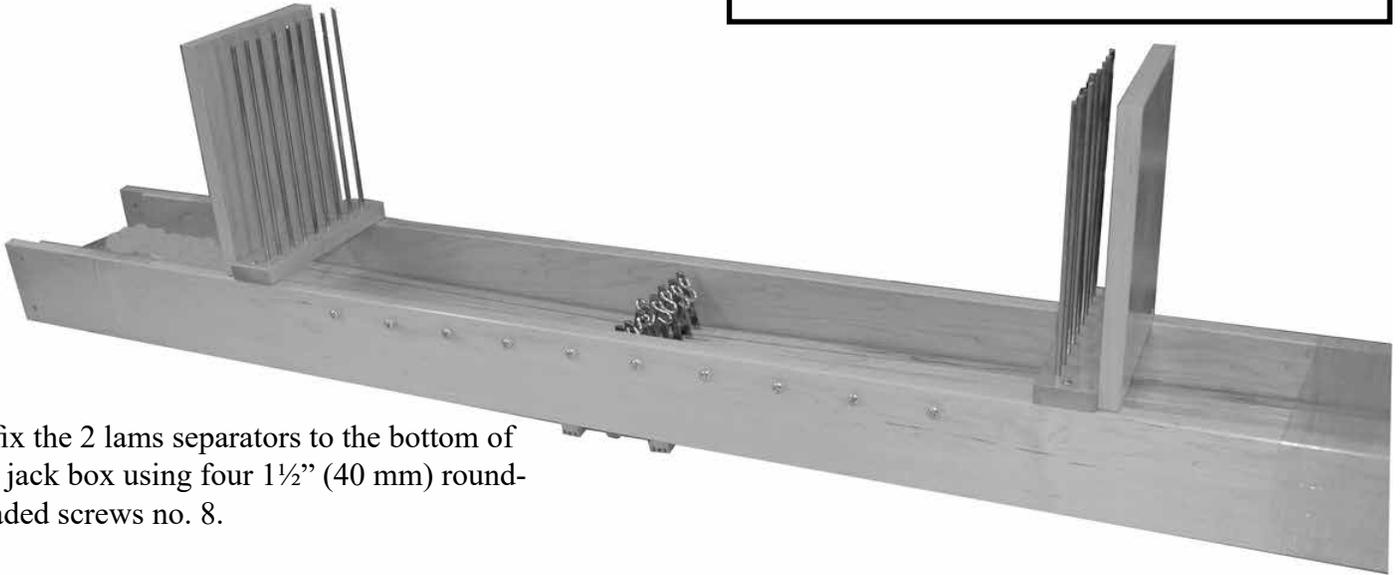
While the loom is still lay on its front, remove the four 3/8" x 6" machine bolts, the 3/8 steel washers and square nuts holding main castle post K1 and K2 to lateral cross-members F1, F2, F3 and F4

Note: steel washers & square nuts will be re-used for assembling the new castle posts

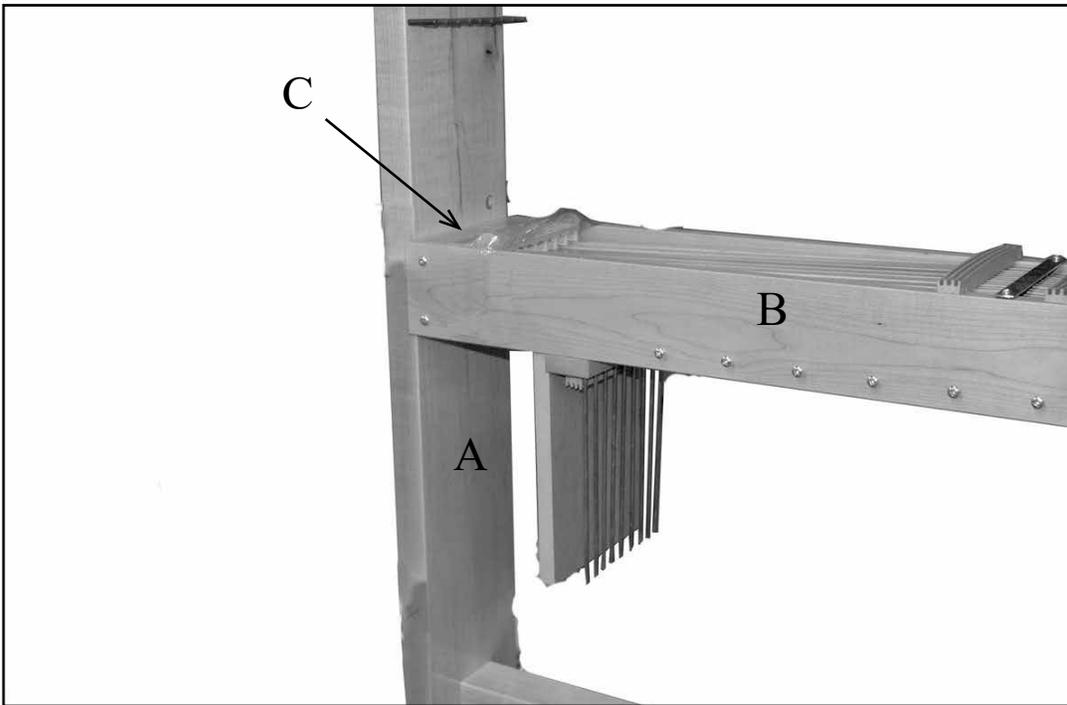


Remove the middle cross member L* from the old castle frame and assemble it with the new 8s castle frame using the same machine bolts, washers and square nuts.

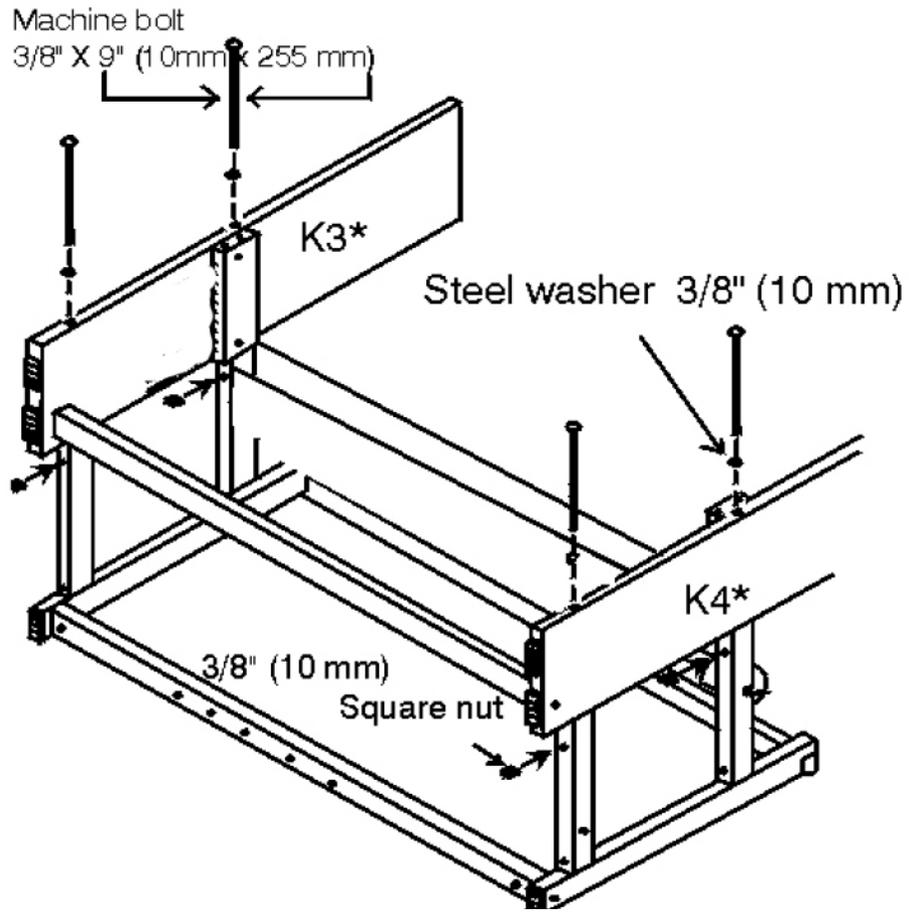
ATTENTION: Application of soap to the screws will make their insertion easier.



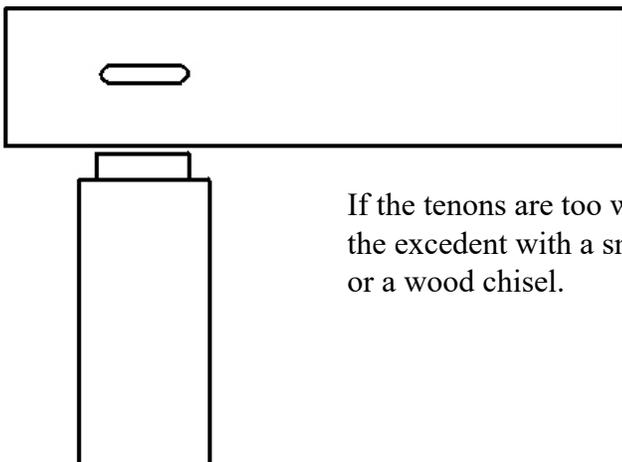
Affix the 2 lams separators to the bottom of the jack box using four 1½” (40 mm) round-headed screws no. 8.



Slide jack box B along the middle posts (A) , from bottom to top, and affix it to blocks C using eight 1½” (40 mm) round-headed screws no. 12. Right / Front is indicated with a label.

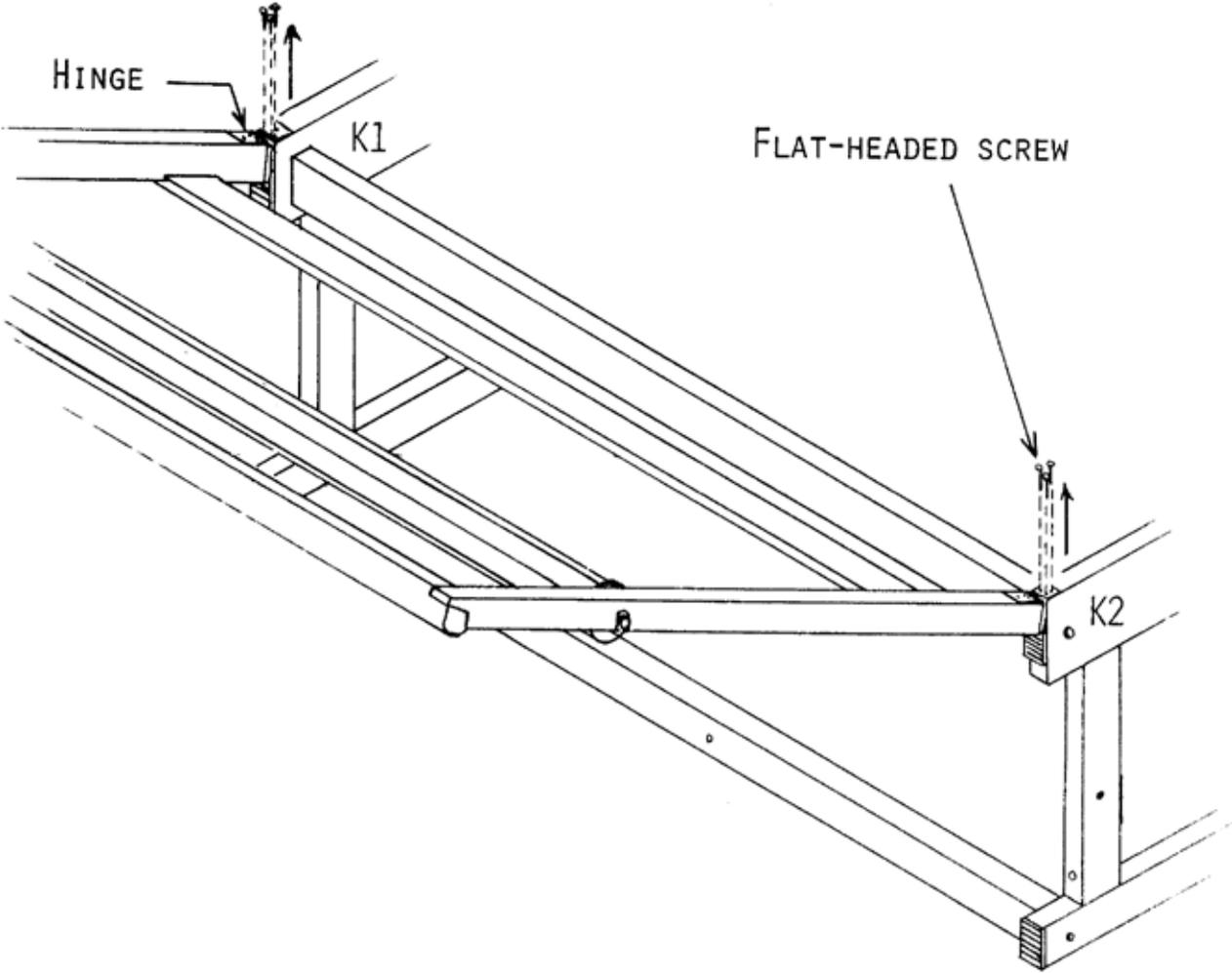


Install the new castle assembly with the new machine bolt 3/8" X 9", the steel washer 3/8" and the square nuts 3/8" (Fig. 6 & 6A)



If the tenons are too wide, cut the excedent with a small saw or a wood chisel.

Install the old back post
using the same screws remove previously.



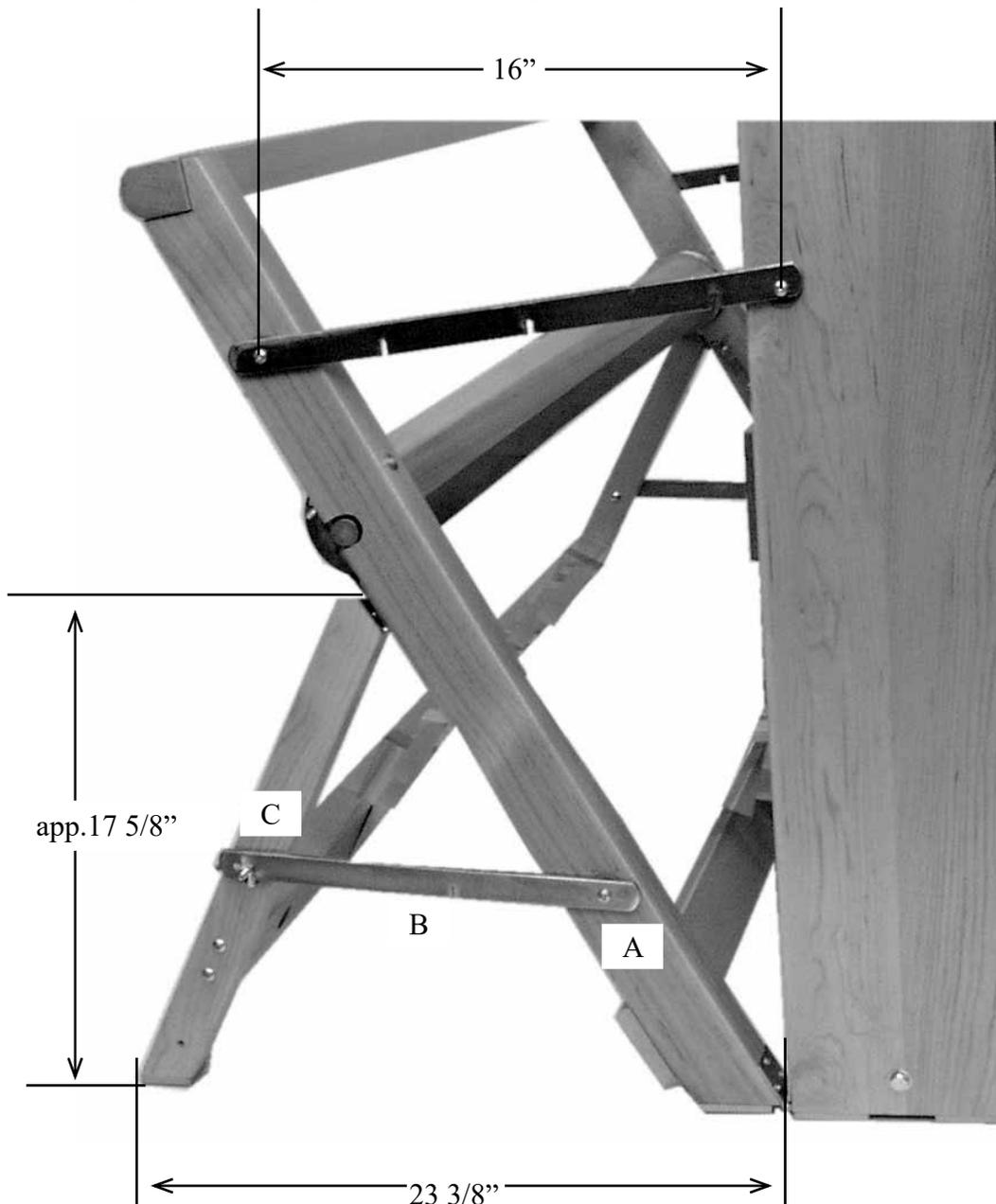
Attaching the new stabilizing assembly to the loom

Open back (warp beam) post and lock it with the metal hook (must be 16" center hole to centre hole).

Begin by assembling the two stabilizing posts with the crossmember, using four no. 14, 3" round-headed screws. Make sure the brown plastic washers are facing the outside of each post.

Install the new rear stabilizing assembly to the warp beam posts using a bit 1/8" to make pre-drill holes and 6 flat headed screws #8, 3/4". Top of back stabilizing post have to be approximately 18" from the floor so it rest properly on it.

Using a 11/64" bit, drill a hole (A) on the outside of each warp beam post, approximately at 8 1/2" above the floor in order that the hook (B) is parallel to the floor. Anchor the lower hook (B) with the #12 screws 1 1/2". Insert a brown plastic washer between the metal hook (B) and the back post (A). Affix the other end of the hook to the stabilizing post (C) using a 1/4" x 2 1/2 carriage bolt (inserted from the inside) and a 1/4" wing nut.



TREADLE SET ASSEMBLY

Assemble the treadle set (in or out of the loom).

1 treadle rod $28\frac{3}{4}$ " with one push nut already on one side.

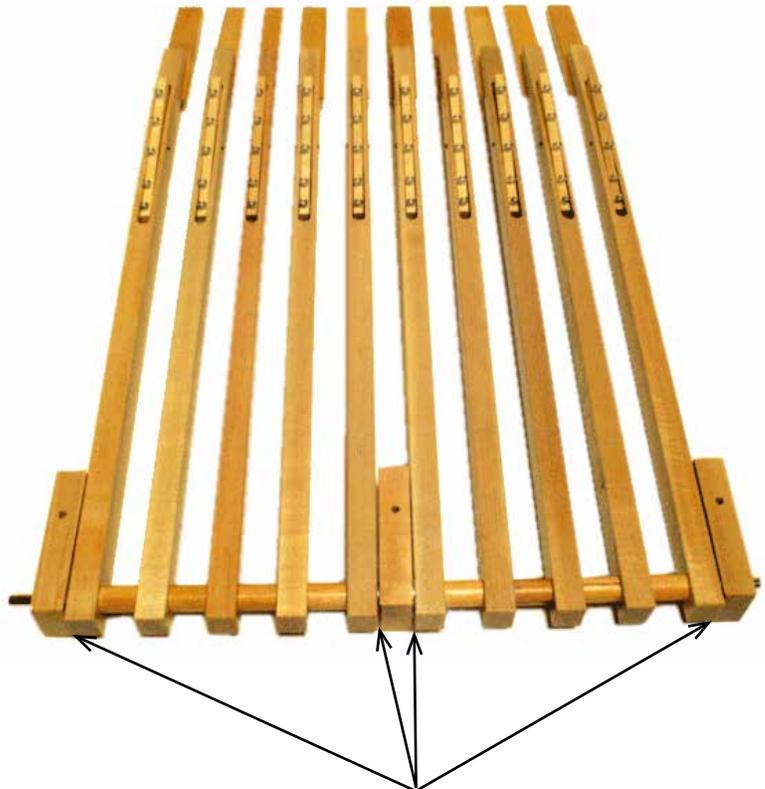
10 treadles

8 wood spacers $1\frac{1}{2}$ "

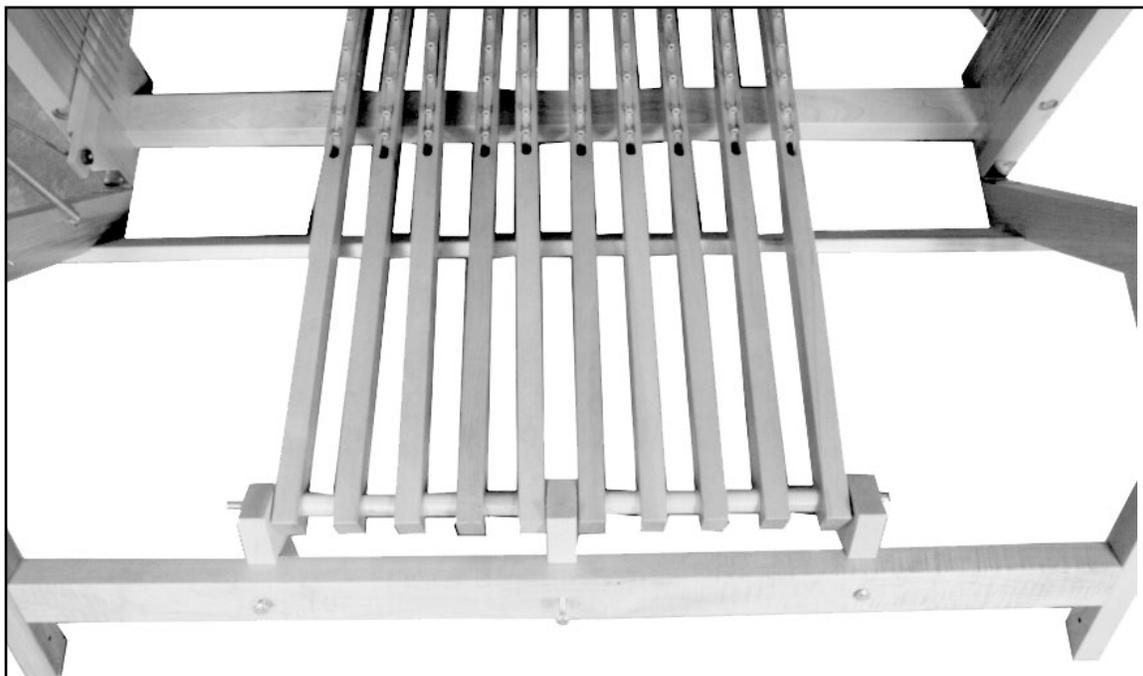
3 treadle blocks

4 x $\frac{9}{16}$ " washers

1 push nut to be installed after the set is on the loom.



4 washers $\frac{9}{16}$ " are installed between treadle and treadle block.



Affix the treadle set to the treadle cross-member using: 3 carriage bolts $\frac{5}{16}$ " x 4"
(from outside to inside of the loom)

3 washers $\frac{5}{16}$ " (inside of the loom)

3 Square nuts $\frac{5}{16}$ "



TREADLE SEPARATOR

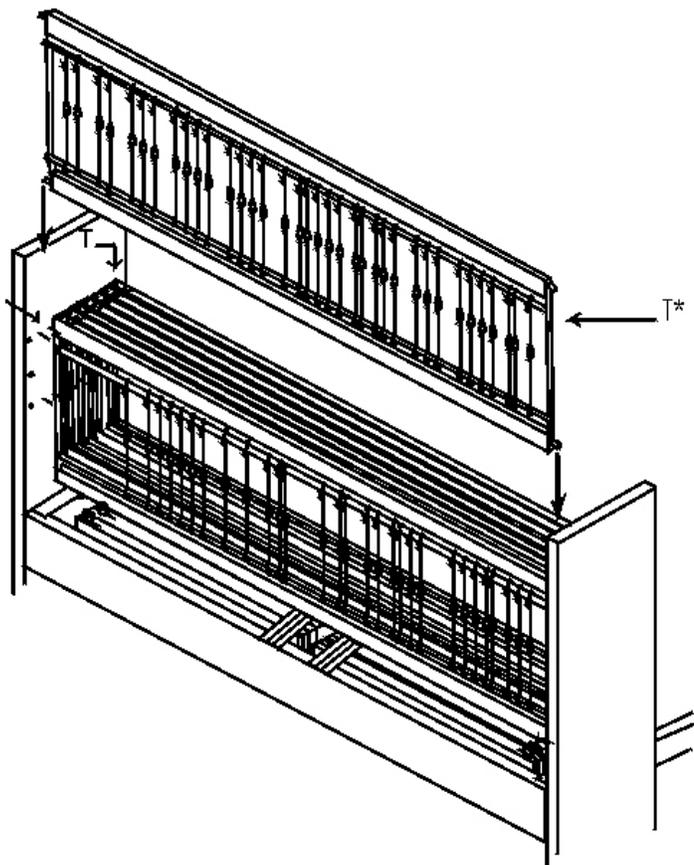
Put the treadle separator in top of the loom middle cross-member and secure using 2X 1½" round-headed screws #8.

Install the heddles in the shaft frames. (see "WARP AND WEAVE" on page 10)

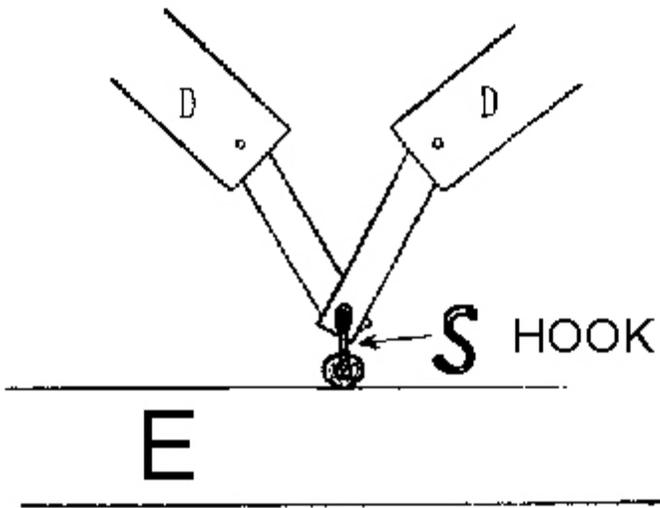
Slide shaft frames T between dividers Q. The shaft frames must rest on the plastic supports U of the jacks (shaft guides)

Leclerc Logo must be in top, facing the front of the loom.

NOTE: Some shafts may be tight between castle frame until the castle top is fix.

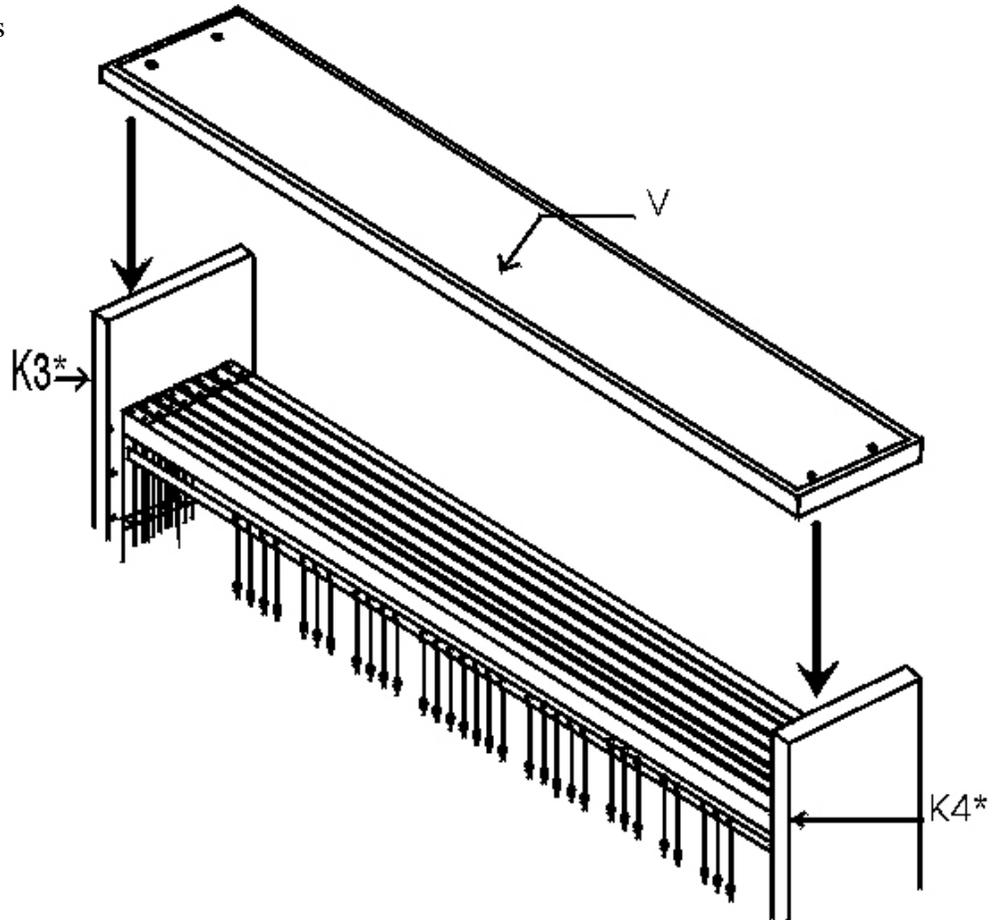


Hook jacks to new floating lams.

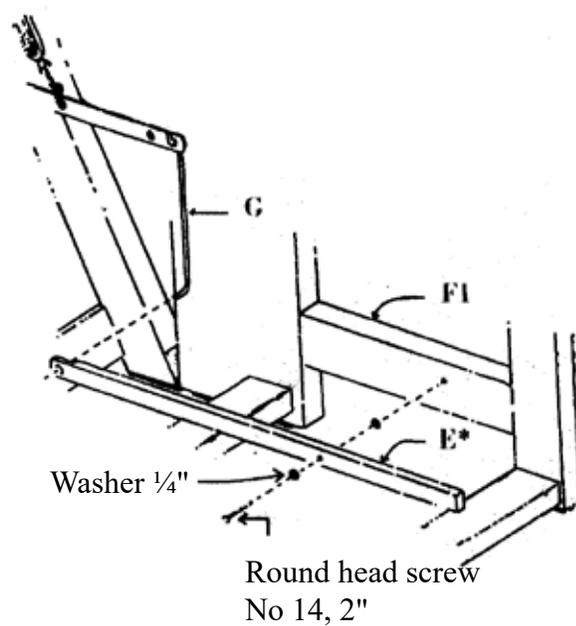
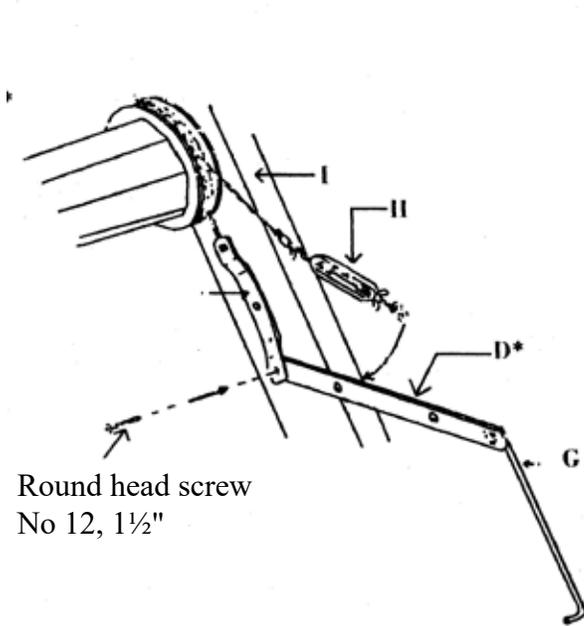


Put the "S" hook of the jacks D inside the eyelet of the lam E.

Using four 1½" flat-headed screws no. 12, affix castle top on top of middle wide post (castle). Make sure to screw in the pre-drill holes.

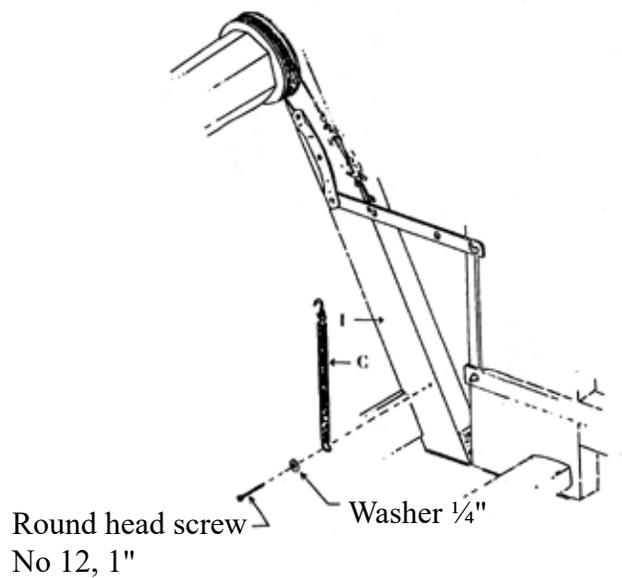
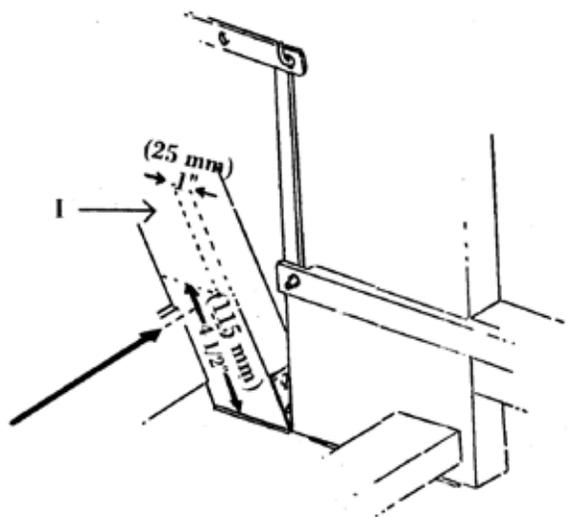


Install the new longer brake treadle C and the new Shorter Brake lever D



REPOSITION THE BRAKE SPRING:

Using a 11/64" bit, drill a hole in the right-hand side back post, at 4 1/2" from the bottom of the post and at 1" from the front of the post.



Using a 1" round-headed screw, no 12, affix the spring C to the right-hand back post I. Place a 1/4" steel washer between the screw head and the spring.

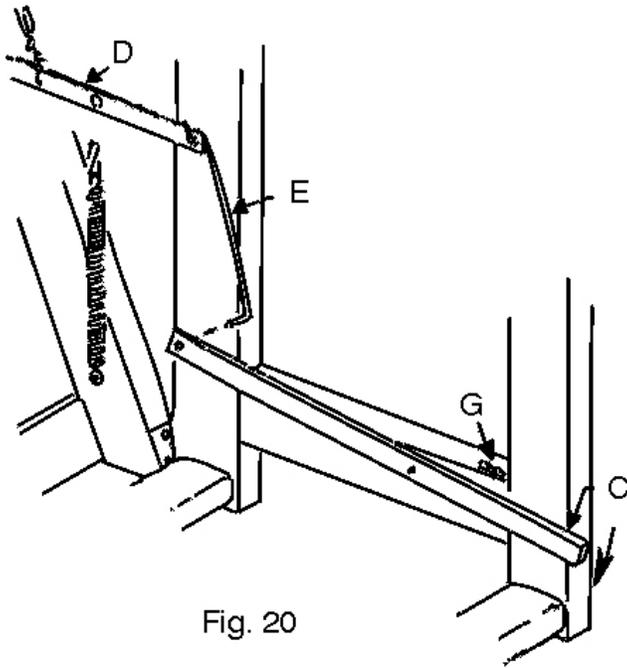


Fig. 20

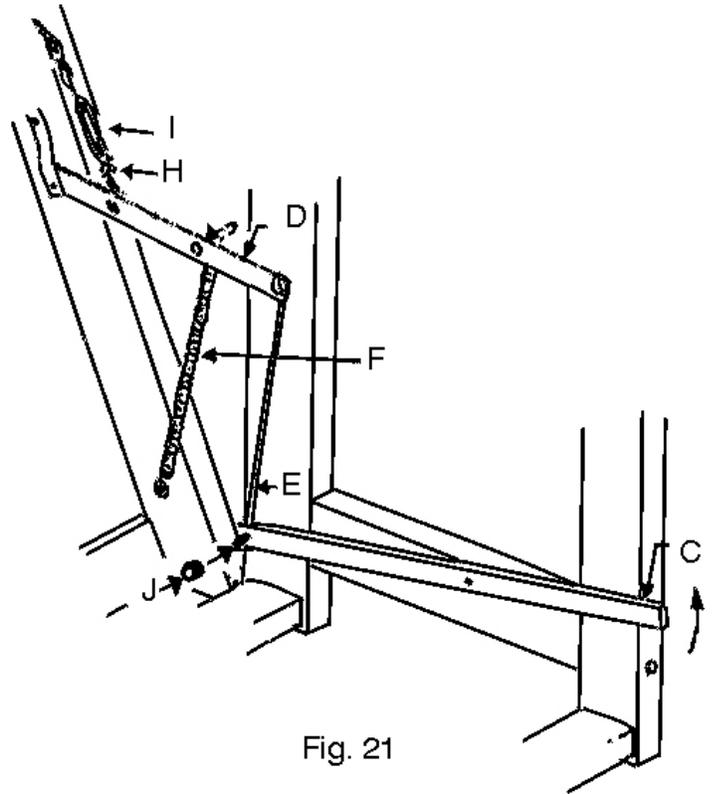


Fig. 21

Using metal rod E, join the brake treadle C to the brake lever D. First insert the double-cornered end of the metal rod into lever D; then insert the other end of the metal rod into treadle C while the treadle is depressed. (Fig. 20)

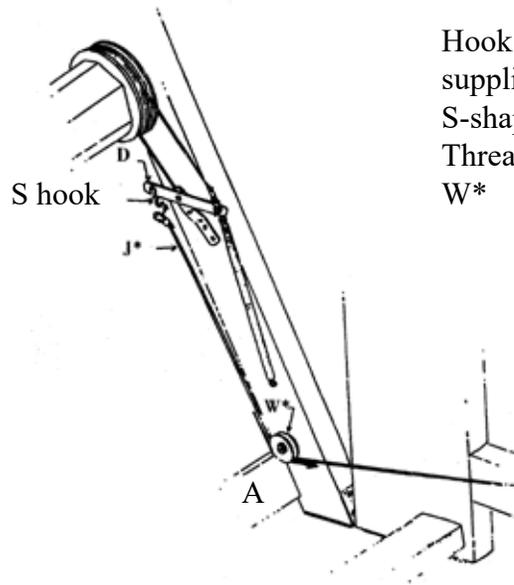
Raise treadle C as high as possible then hook spring F to lever D. (Fig. 21)

Brake adjustment : Release the brake by depressing treadle C and locking it down with the catch G. (Fig. 20)
The warp beam should turn freely but the brake circular wire should not be too slack. If the tension is too great, unscrew the wing nut H slightly and then loosen the turnbuckle I. If the tension is too slack, tighten the turnbuckle I slightly and then the wing nut H. (Fig. 21)

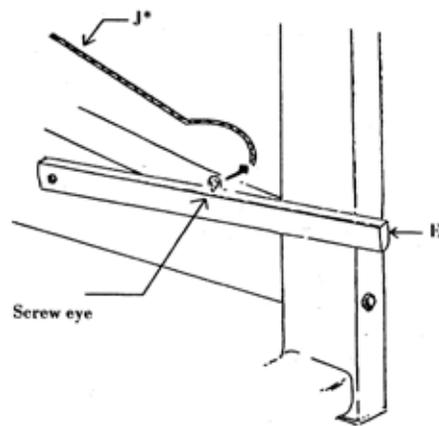
You will add a black rubber ring J to the lower end of the rod E, to prevent the rod to go out. (Fig. 21)

FOR OLD LOOM WITH THE BRAKE CORD SYSTEM ; INSTALL THE NEW CORD LIKE THIS.

In order to avoid the cord to get out of the supply pulley, install it very close to the back cross -member A



Hook the brake cord J*, supplied with the kit to the S-shaped hook of lever D. Thread the cord around pulley W*



Attach cord J* to the screw eye on brake treadle E

You can install now or just before weaving the treadles springs. After the installation, the treadles will be all at the same height.



FIRST TREADLE TIE-UP

Select any treadle and tie the Lams to the Treadles using the 7" cords supplied with the loom. Use the threading hook to help pass the cord through each hole of the lam.

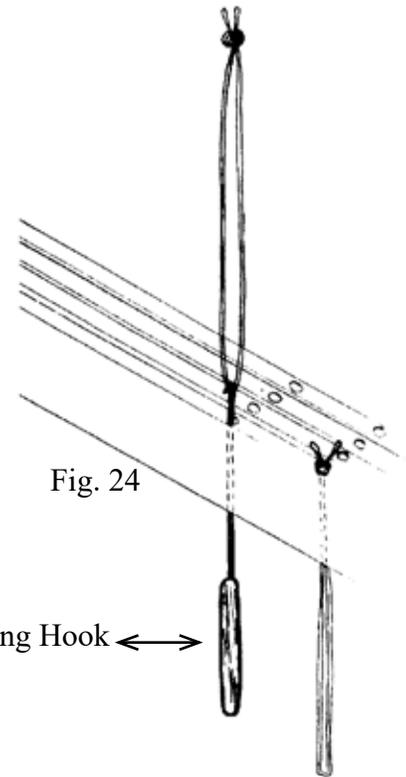


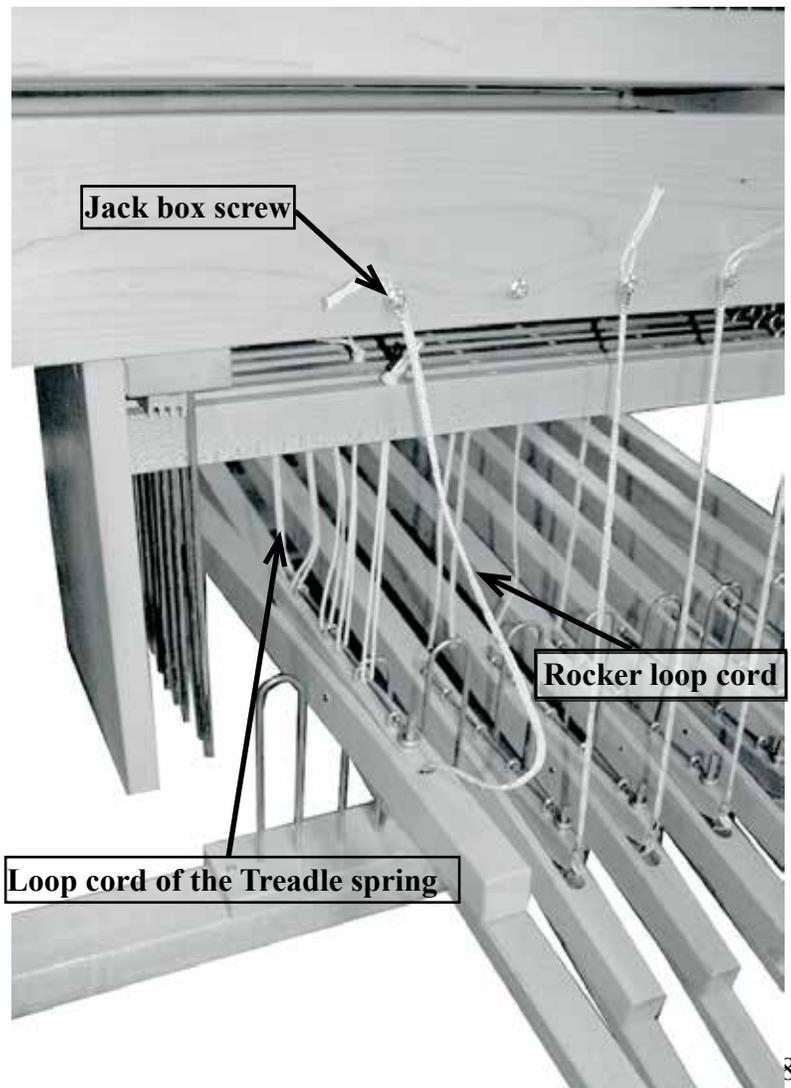
Fig. 24

Threading Hook ←→

TREADLE HOOK AND ROCKER LOOP CORD

Slide the Treadle Hook through the Screw Eyes and the treadle Cord Loops. Before the last Screw Eye, insert the Hook through the Treadle Spring loop cord and secure with the peg in the front. In the Treadle rest position (up) there should be no or very little tension on the Spring. When all treadles are tied up, they should be at the same height.

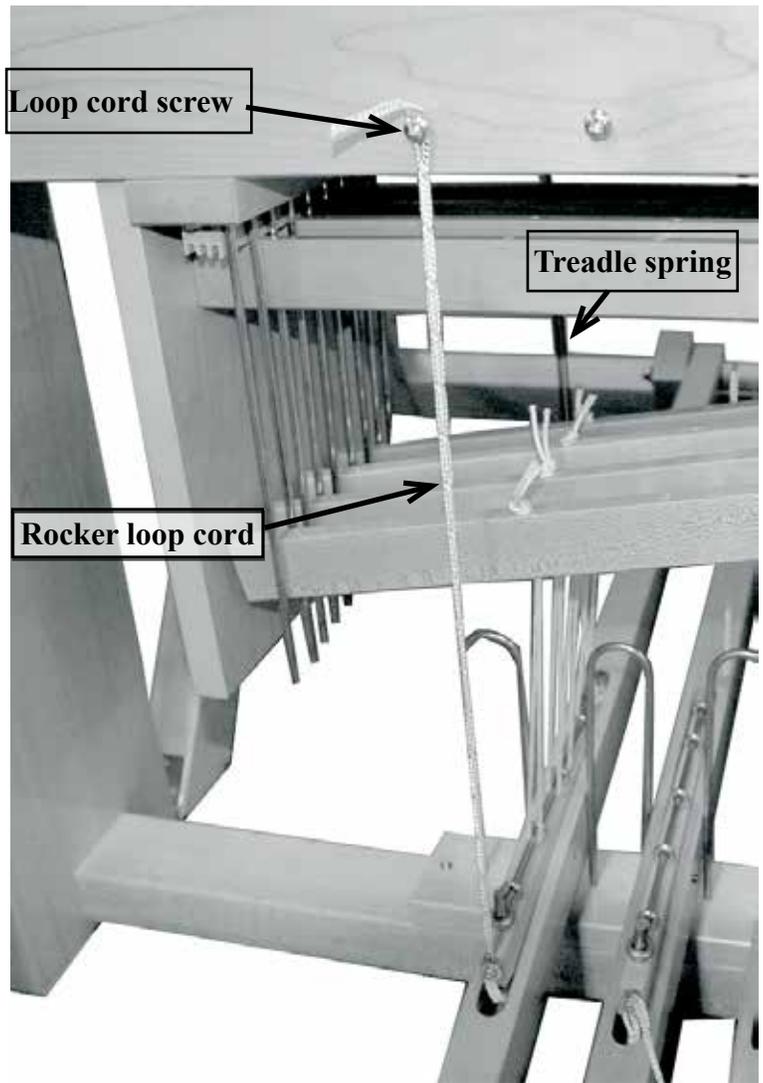
Install the Treadle Rocker Loop Cord on the Jack box screw at the black mark as a starting point.



FIRST SHED

When you depress the Treadle, the Rocker Loop Cord raises the front of the Rocker setting the Shafts at the correct Level.

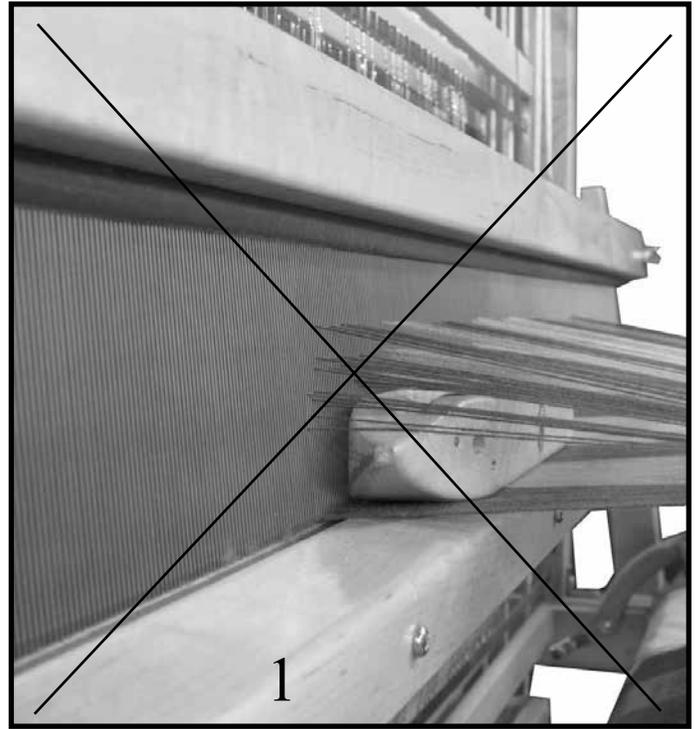
See next page for more info on adjusting the length of each Rocker loop cord.



ADJUSTING THE SHED (Length of the Rocker Loop cord)

The key to a wide clean shed is the proper adjustment of the Rocker Loop Cord.

Once you have completed the hookup of the Cords and Springs, start at one end of the Treadle Set and depress each Treadle one at a time noting the position of the bottom Shed. Adjust each Shed by shortening or lengthening the Loop Cord. When properly adjusted, the bottom Shed of each Treadle should just kiss the Race Plate and the top Shed should be uniform across the width of the Loom. (see diagrams for examples)

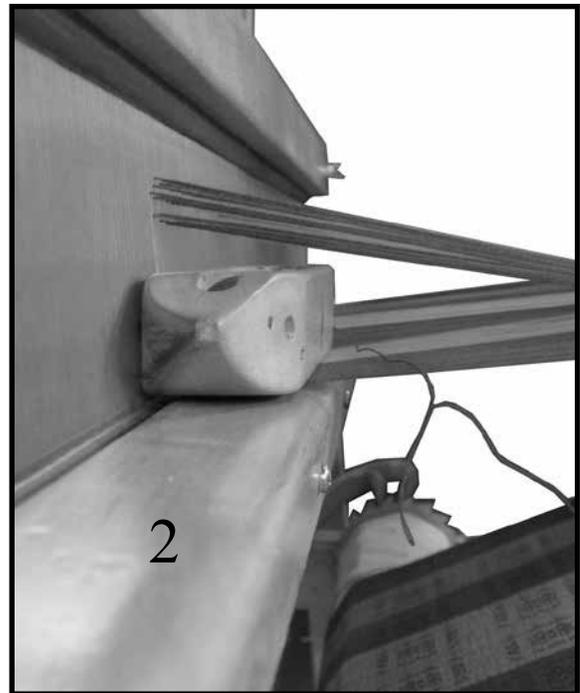


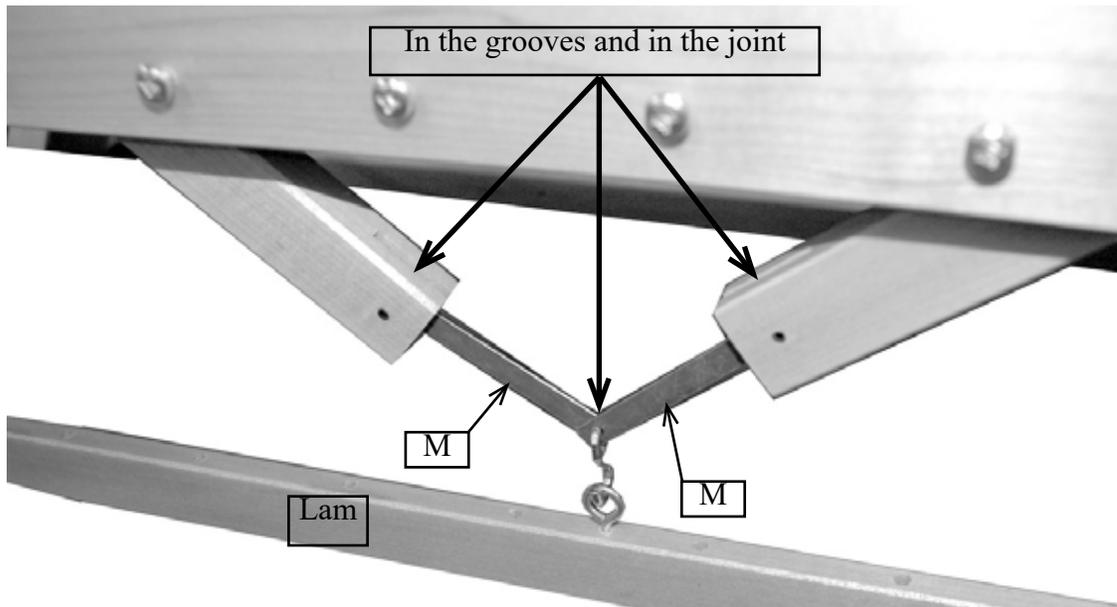
Picture #1 shows an uneven Shed caused by Rocker Loop Cords being out of adjustment.

Picture #2 shows properly adjusted Rocker Loop Cords with the bottom Shed just kissing the Race Plate and the Top Shed uniformly even across the width.

It is very important to maintain a reasonable amount of tension on the Warp when making adjustments and while weaving in order to keep a wide, clean Shed.

The design of the system provides a greater lifting force on the Shafts with considerably less leg pressure required to depress the Treadles. With a few Picks on each new project, the Weaver will find the correct Warp tension required to produce the desired PPI (Picks per Inch) in the Cloth, while maintaining a wide, clean Shed.





The friction between the metal pieces M, the spring pin of the jacks and the S Hook may produce unpleasant noise that can be eliminated by spraying in the indicated area some silicone spray.

We recommend using only 100% silicone products. No oil or grease.

Suggested Silicone spray:



We at Leclerc encourage Weaver feedback on this and all our products. Please send your comments to Leclerc Loom Co. info@leclerclooms.com

HAPPY WEAVING