

# Leclerc Looms

Since 1876



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## ARTISAT 36" JACK-TYPE 4 SHAFT LOOM 1009-0000

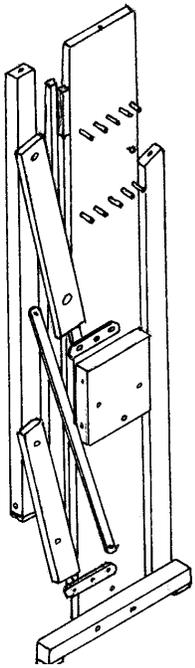
On receiving the loom, unpack and lay out the loom components. Do NOT discard any packing material until all parts are inventoried.

Check the parts received against the parts list on pages #2 to #5 of the assembly instructions. Report any discrepancies to Leclerc or your dealer immediately.

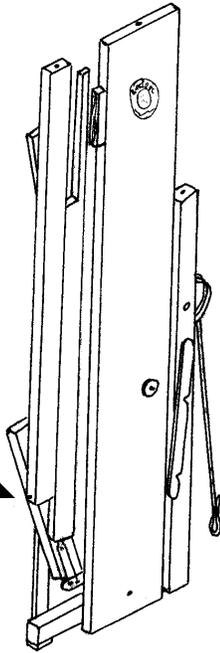


To assemble this loom, a minimum of 2 people are needed but 3 are recommended.

# PARTS LIST (4s)



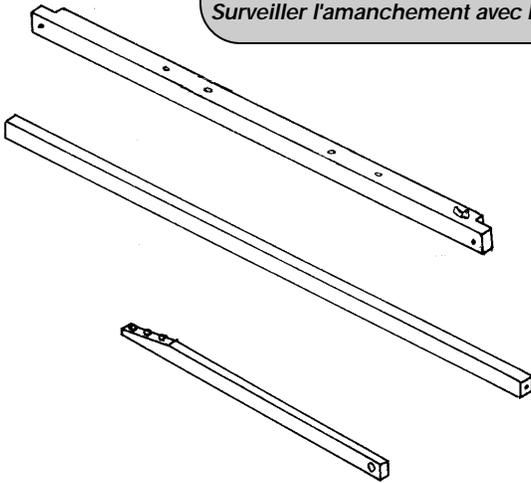
*Note for Leclerc in French:  
Trous de bout avec mèche  
17/64"*



1 LEFT-HAND SIDE

1 RIGHT-HAND SIDE

*Note for Leclerc in French:  
Surveiller l'amanchement avec les pattes avant.*



1 TREADLE-SET CROSS-MEMBER

1 MIDDLE LOWER CROSS-MEMBER

6 TREADLES

1 Treadle set rod with one push nut (14½")



1 More treadle push nut



2 TREADLE set SUPPORTS



## PARTS LIST (4s)



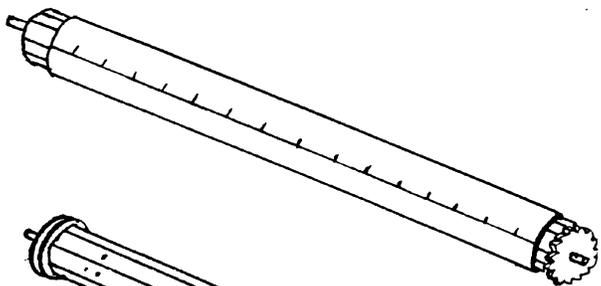
CORD  
1 PK. 10 YDS FOR BEAM STICK  
1 PK 5 YDS FOR BEAMING AND LEASE STICK



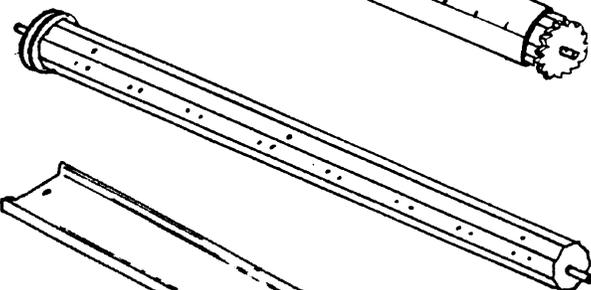
1 SHUTTLE



1 DOZ BOBINES 4"



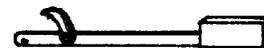
1 CLOTH BEAM WITH RATCHET WHEEL



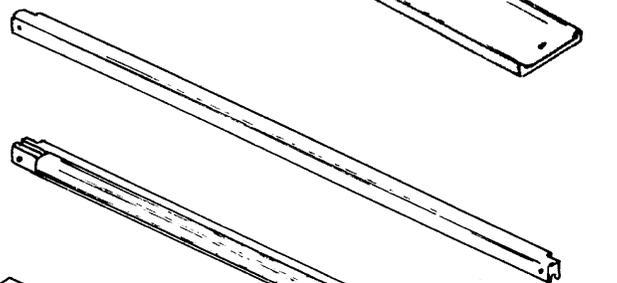
1 WARP BEAM WITH BRAKE DRUM



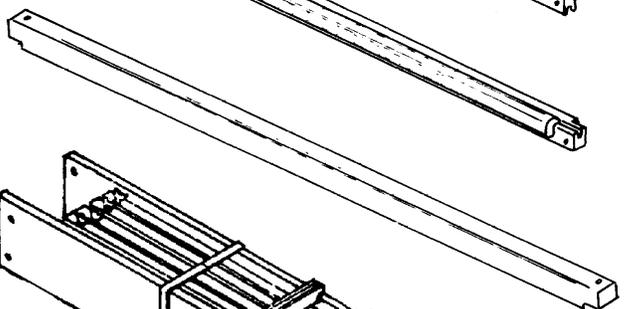
1 TAKE-UP MOTION HANDLE



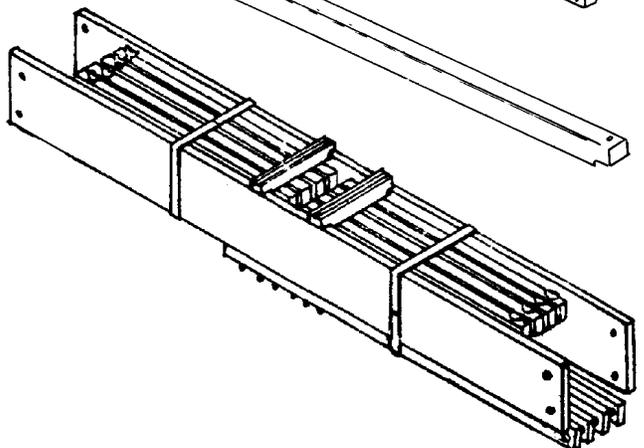
1 CASTLE TOP COVER (SHELF)



1 BATTEN HANDTREE



1 BATTEN SLEY WITH SHUTTLE RACE

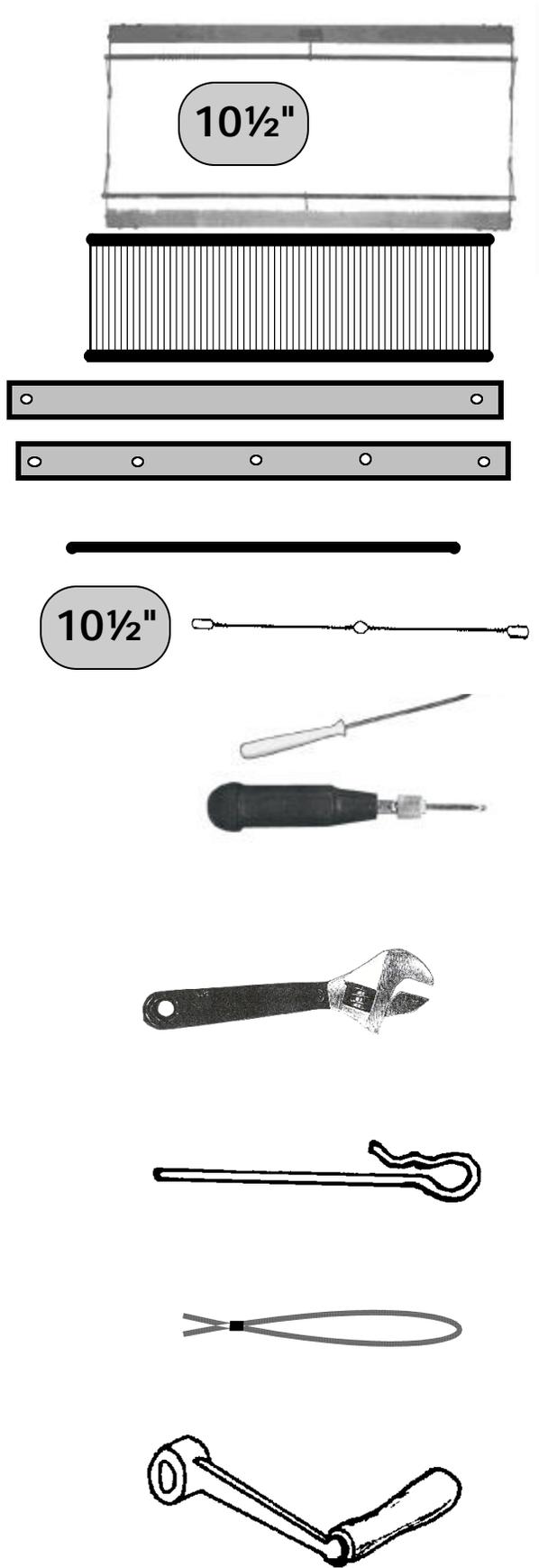


2 BREAST BEAMS

1 JACK BOX WITH 4 LAMS (DO NOT REMOVE THE TAPE UNTILL IT IS INSTALLED IN THE LOOM)

*Note for Leclerc in French:  
Vérifier si le crochet à ros passe bien  
dans les trous des contremarches*

# PARTS LIST (4s)



4 SHAFT (harness) FRAME

1 REED

2 LEASE STICKS

1 BEAM STICK

3 WARP RODS

1000 HEDDLES

1 HEDDLE AND REED HOOK

1 Multi bits Screwdriver

1 Adjustable Wrench

6 TREADLE HOOKS 7 " LONG

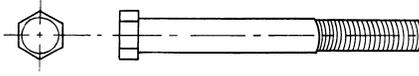
12 TREADLE CORDS 7" LONG

1 CRANK FOR BACK BEAM

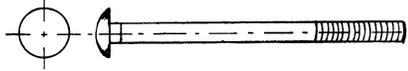
# PARTS LIST (4s)

## Machine bolts

- 1 - 7/16 X 3 1/2" (12 mm 90 mm)
- 1 - 1/4" x 3" (lams)

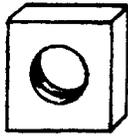


## Carriage Bolts



- 2 - 1/4 X 3 1/4" (6 mm x 80 mm)
- 2 - 1/4" X 3" (6 mm x 75 mm)
- 2 - 1/4" X 1 3/4" (6 mm x 45 mm)
- 4 - 5/16 X 2 1/2" (8 mm x 65 mm)

## Nuts

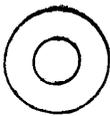


- 3 - 1/4" (6 mm) (lam, treadle cross-member)
- 2 - 5/16" (8 mm)(batten handtree)

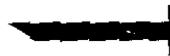
## Wing nuts

- 4 - 1/4" (6 mm) (treadle block(2), frame hooks)
- 2 - 5/16" (8 mm)(batten handtree)

## Washers



- 4 - 5/16" (8 mm)(batten)
- 5 - 1/4" (6 mm)
- 2 - 9/16" (15 mm)(treadle block)



Tacks for canvas

## Wooden spacer



X



## Round head screw



- 2 - #12 x 1 1/2" (shelf)
- 6 - #14 X 2" (breast beam, lower cross member)
- 8 - # 12 x 1 1/2" (jack box)



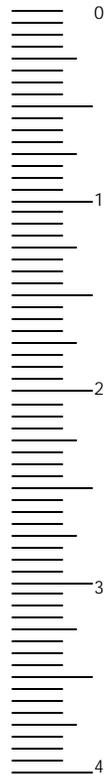
2 eye screws



1 VHS Video cassette mounting instructions

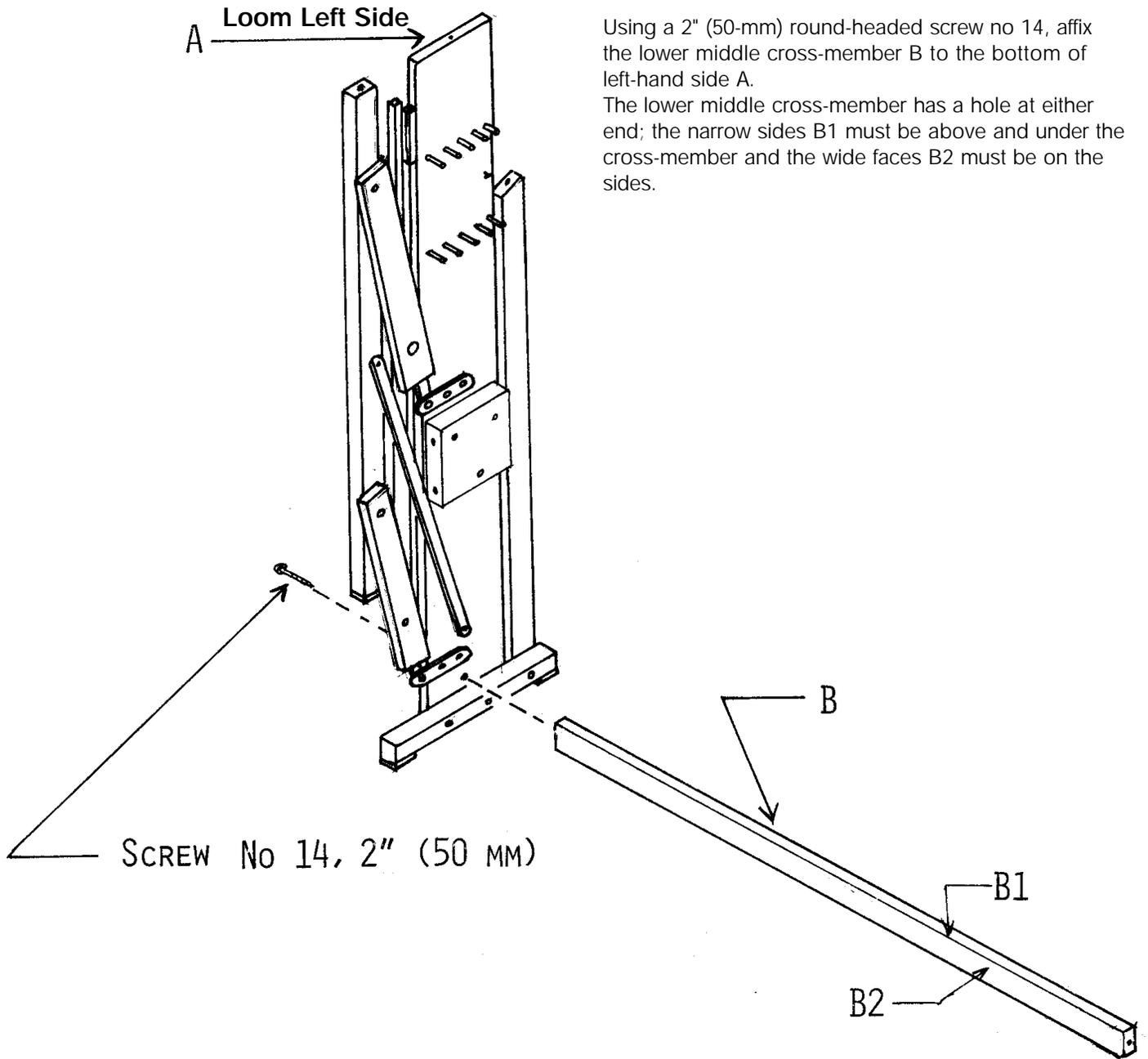


1 book Warp&Weave

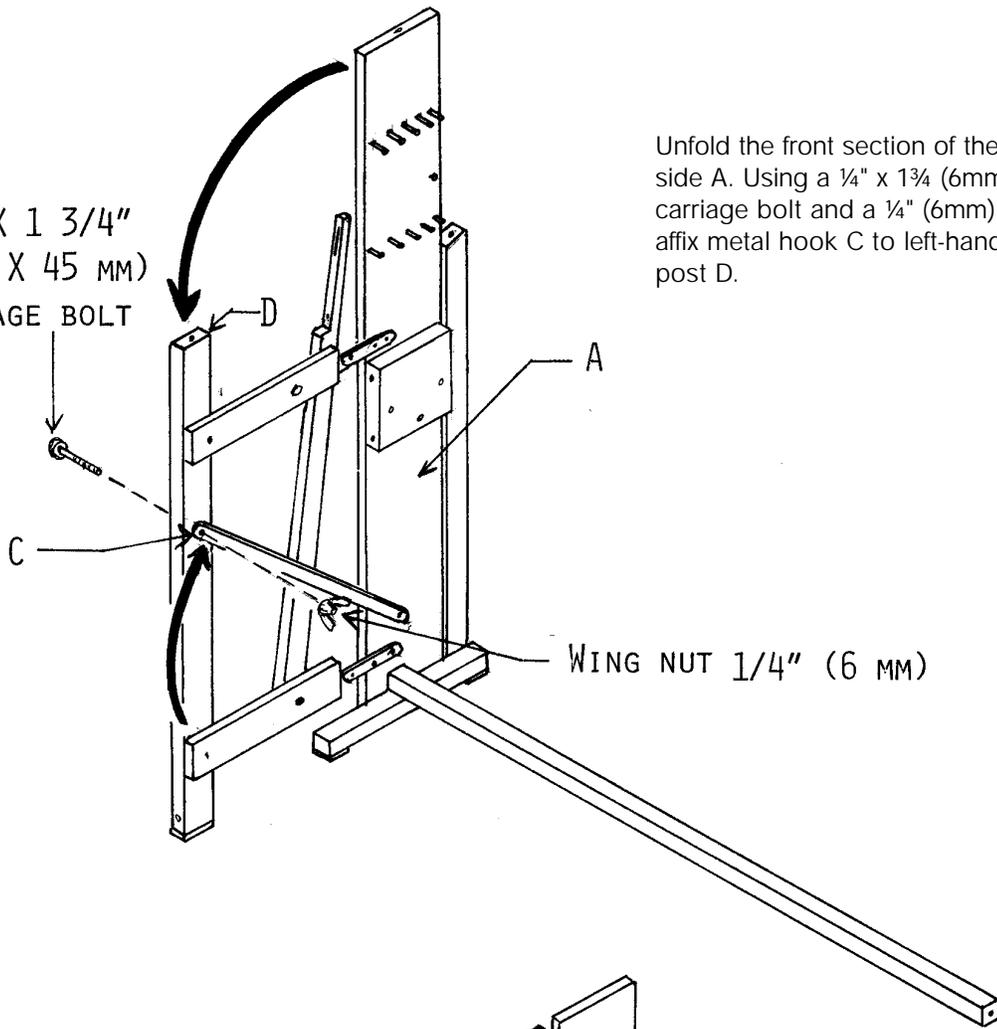


# ASSEMBLY

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



1/4" X 1 3/4"  
(6 MM X 45 MM)  
CARRIAGE BOLT

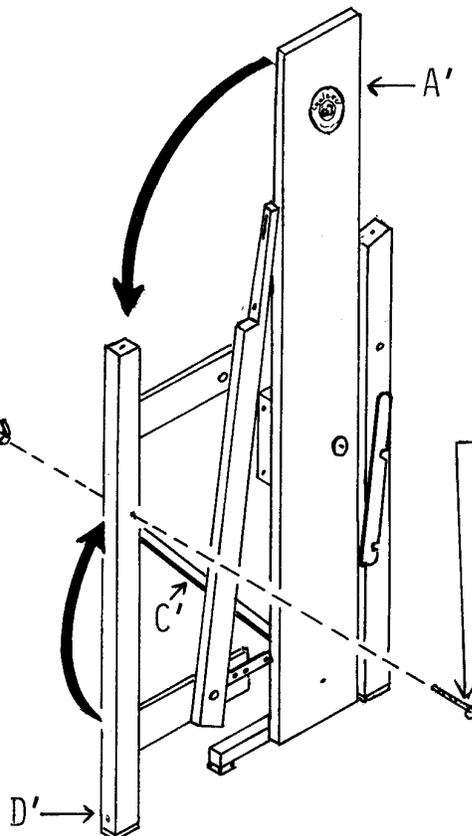


Unfold the front section of the left-hand side A. Using a 1/4" x 1 3/4" (6mm x 45mm) carriage bolt and a 1/4" (6mm) wing nut, affix metal hook C to left-hand side front post D.

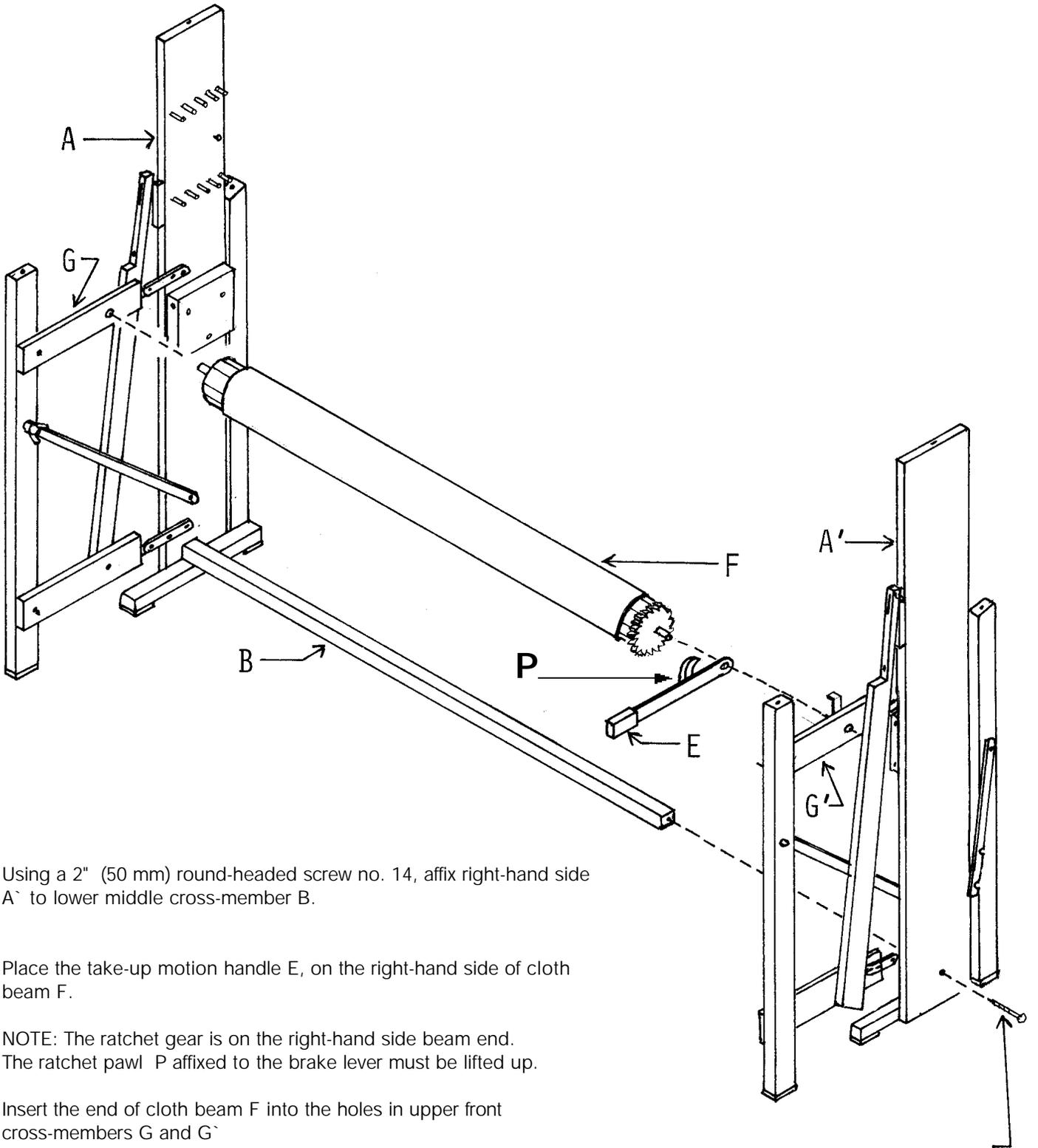
WING NUT 1/4" (6 MM)

1/4" (6 MM)  
WING NUT

Using a 1/4" x 1 3/4" (6mm x 45mm) carriage bolt and a 1/4" (6mm) wing nut, affix metal hook C' to right-hand side front post D'.



1/4" X 1 3/4"  
(6 MM X 45 MM)  
CARRIAGE BOLT



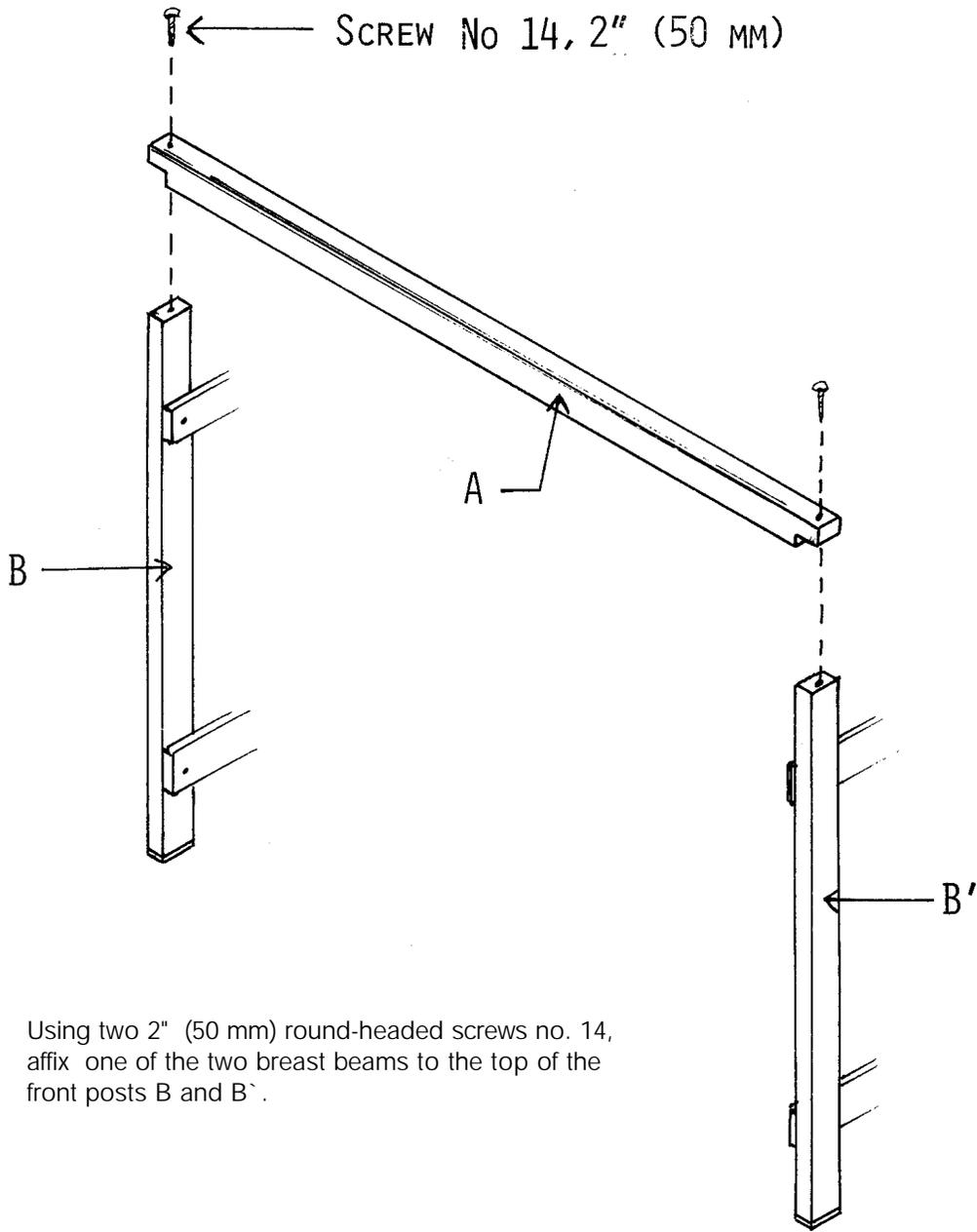
Using a 2" (50 mm) round-headed screw no. 14, affix right-hand side A' to lower middle cross-member B.

Place the take-up motion handle E, on the right-hand side of cloth beam F.

NOTE: The ratchet gear is on the right-hand side beam end. The ratchet pawl P affixed to the brake lever must be lifted up.

Insert the end of cloth beam F into the holes in upper front cross-members G and G'

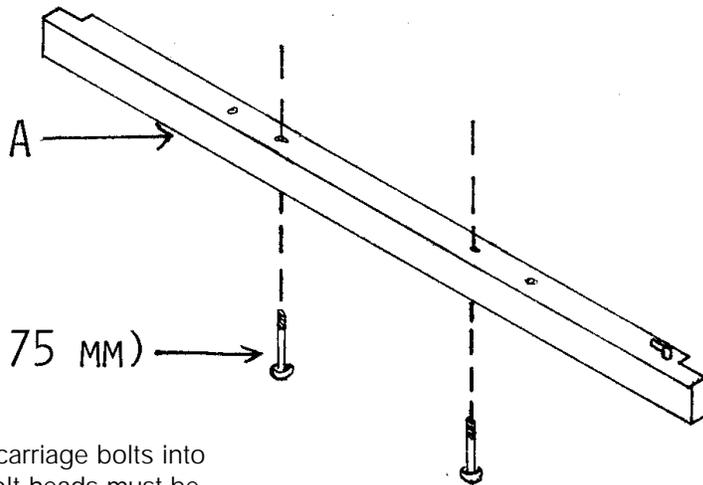
SCREW No 14 2''(50 MM)



Using two 2" (50 mm) round-headed screws no. 14, affix one of the two breast beams to the top of the front posts B and B'.

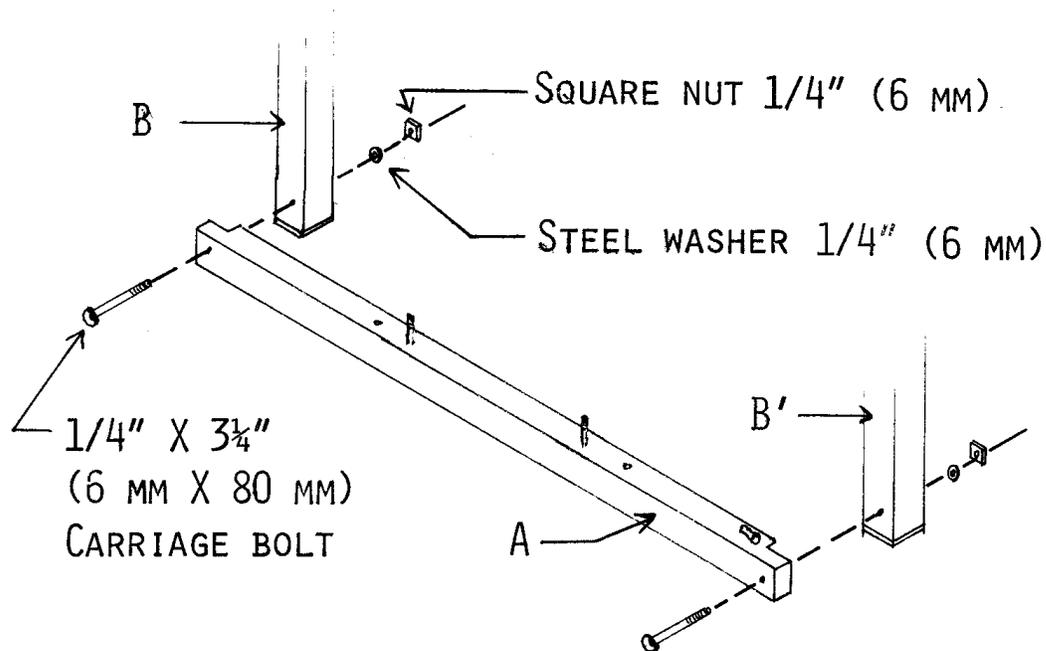
## CARRIAGE BOLT

1/4" X 3" (6 MM X 75 MM)

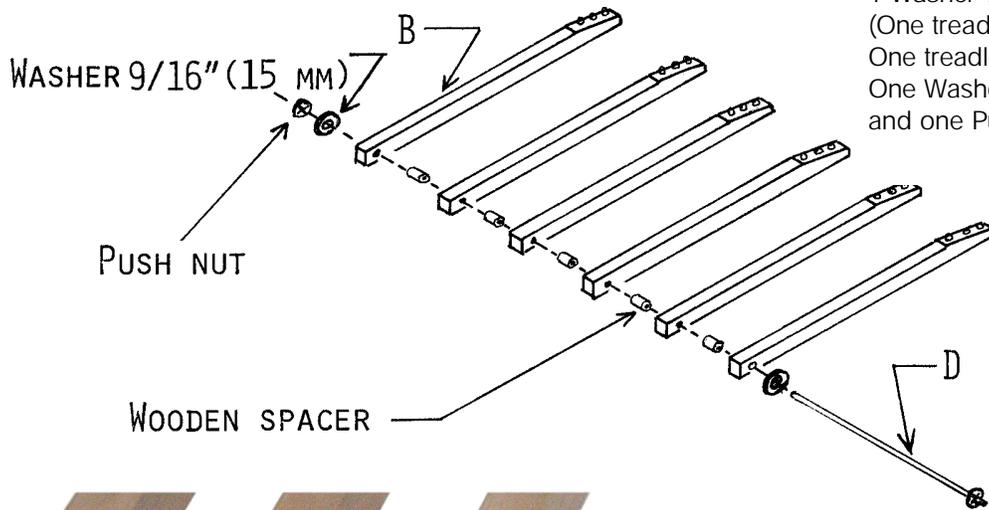


Insert two 1/4" x 3" (6 mm x 75 mm) carriage bolts into treadle-set cross-member A. The bolt heads must be to the underside.

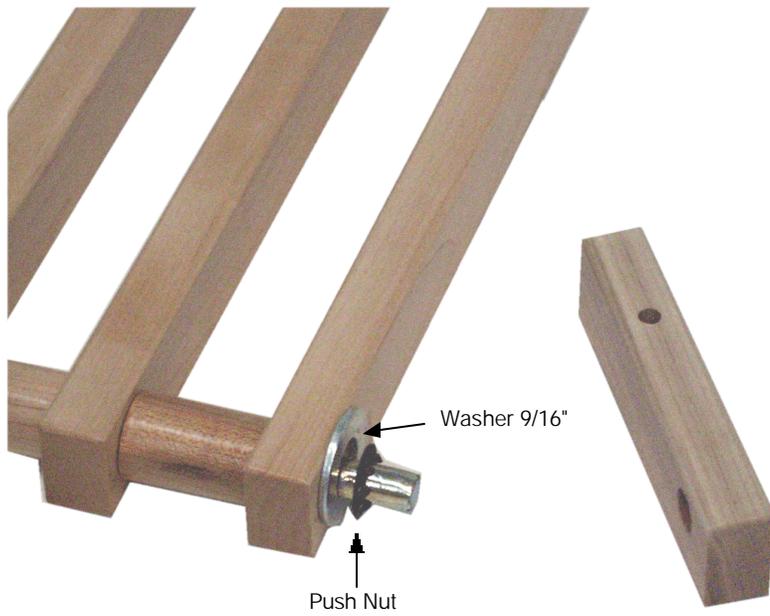
The 2 center holes are for a 6 treadle set and the 2 outside ones are for the 10 treadle set.



Using 1/4" x 3 1/4" (6mm x 80mm) carriage bolts, plus 1/4" (6mm) steel washer and square nuts, attach treadle-set cross-member A to front posts B and B'

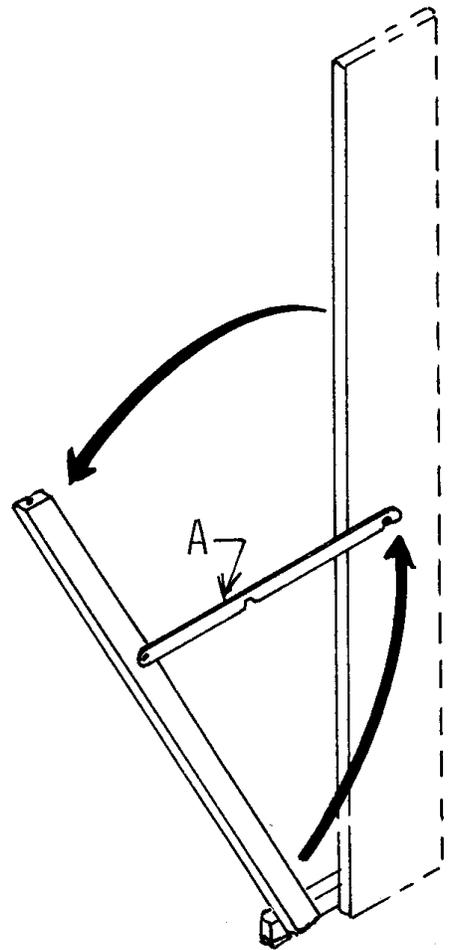
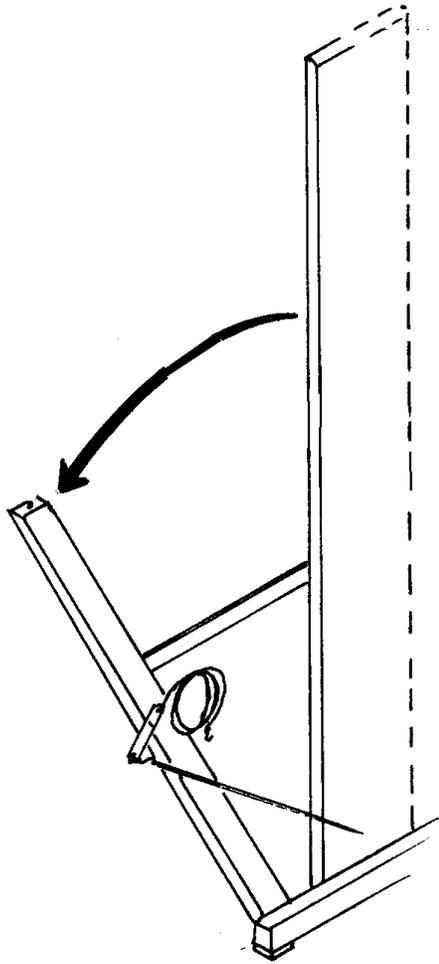


Insert on the treadle rod (with push nut) D:  
 1 Washer 9/16",  
 (One treadle and one treadle spacer) 5 times,  
 One treadle,  
 One Washer 9/16"  
 and one Push nut.

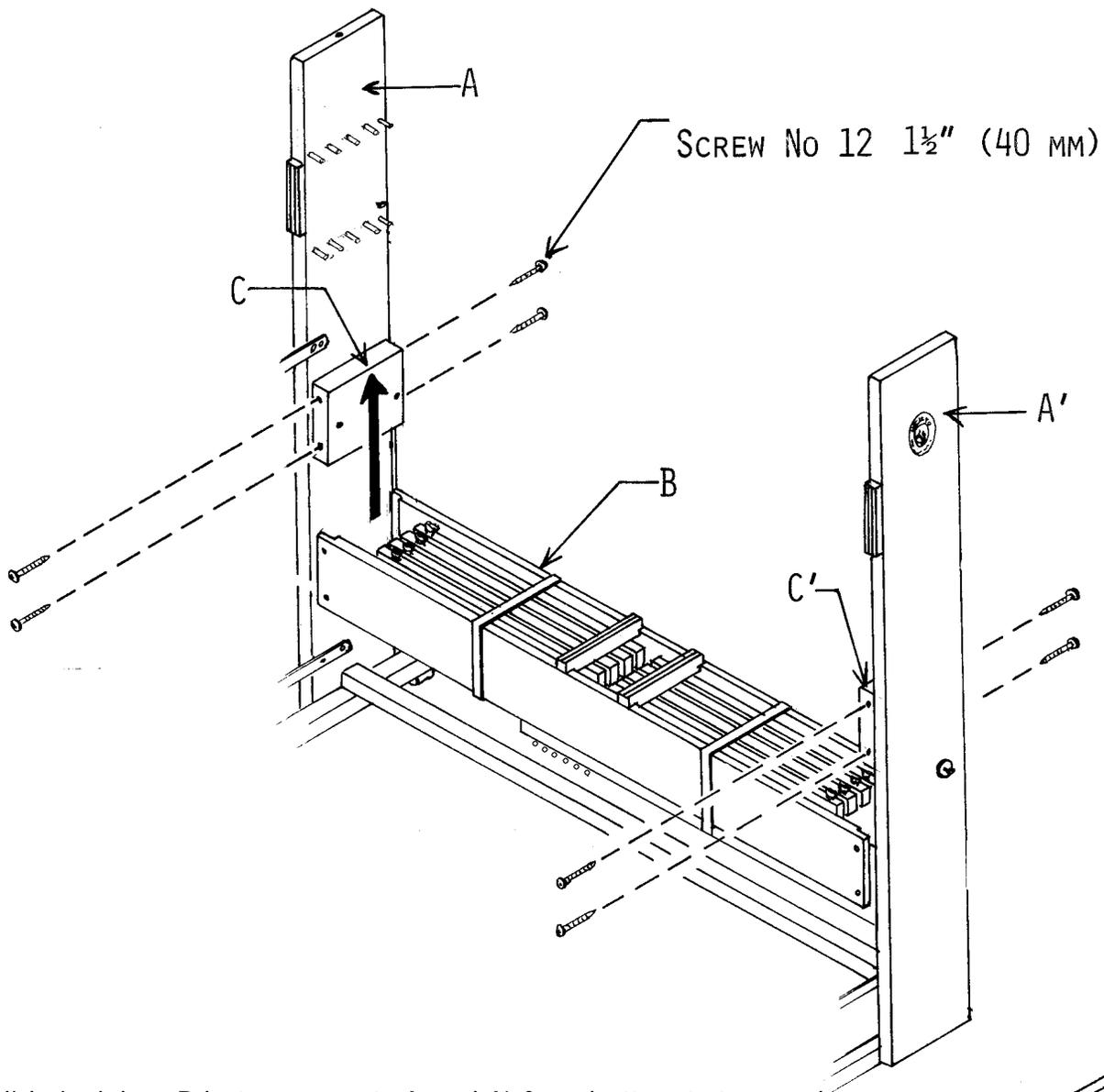


Put the treadle support on each side and install it on the loom using one 1/4" (6 mm) washer and one 1/4" (6 mm) wing nut.



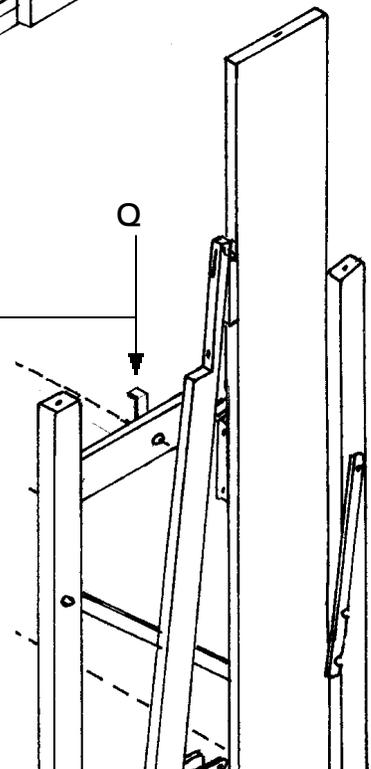


Unfold the back portion of the loom and lock it there with metal hook A .

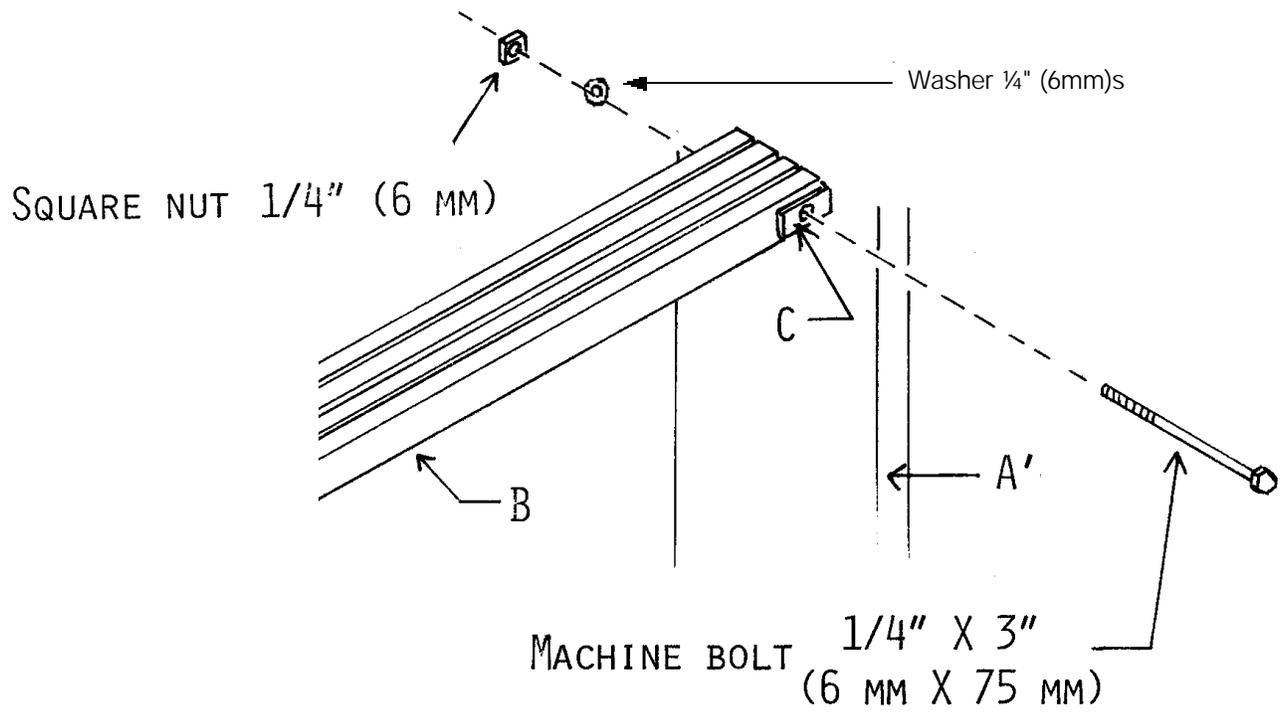


Slide jack box B between posts A and A', from bottom to top, and affix it to blocks C and C' using eight 1 1/2" (40 mm) round-headed screws no. 12.

The ratchet pawl Q affixed to the side of the loom must be lifted up while inserting the Jack Box.



**The tape (Saran Wrap) holding the jack box must now be removed.**



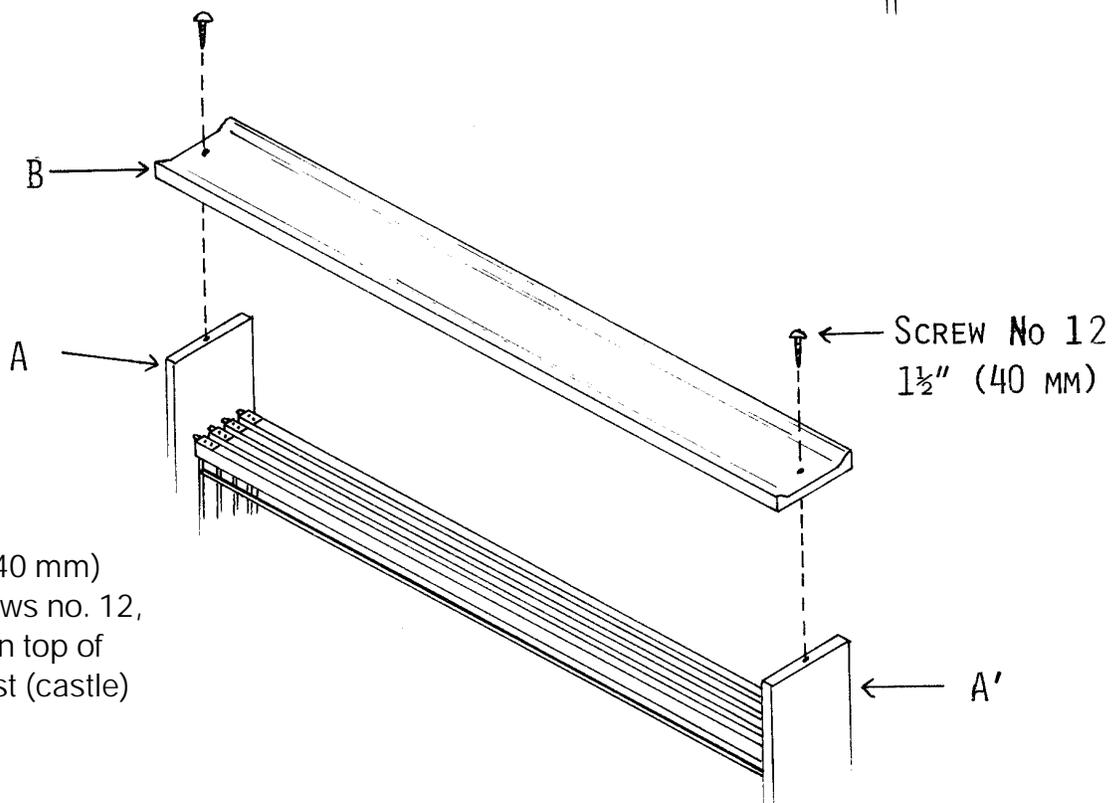
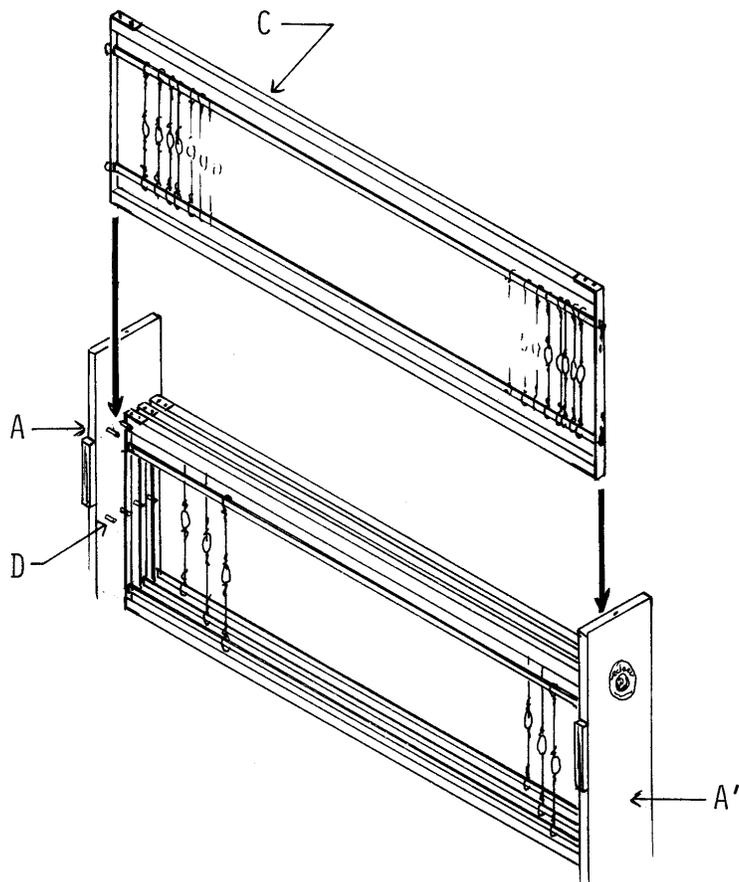
Using a 1/4" x 3" (6mm x 75mm) machine bolt, one washer 1/4" and a 1/4" square nut, affix the four lams B to metal lam support C of the right-hand side main post A'.

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

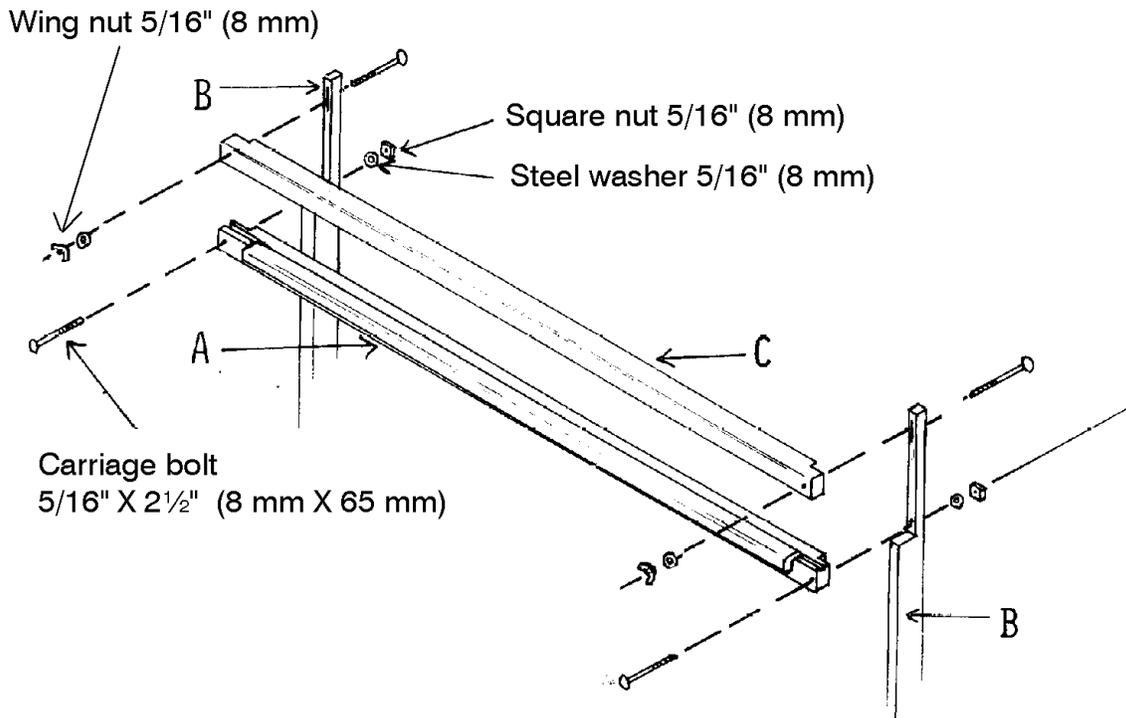
Slide shaft frames between dividers D.  
The shaft frames must rest on the plastic supports of the jacks (shaft guides)

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

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

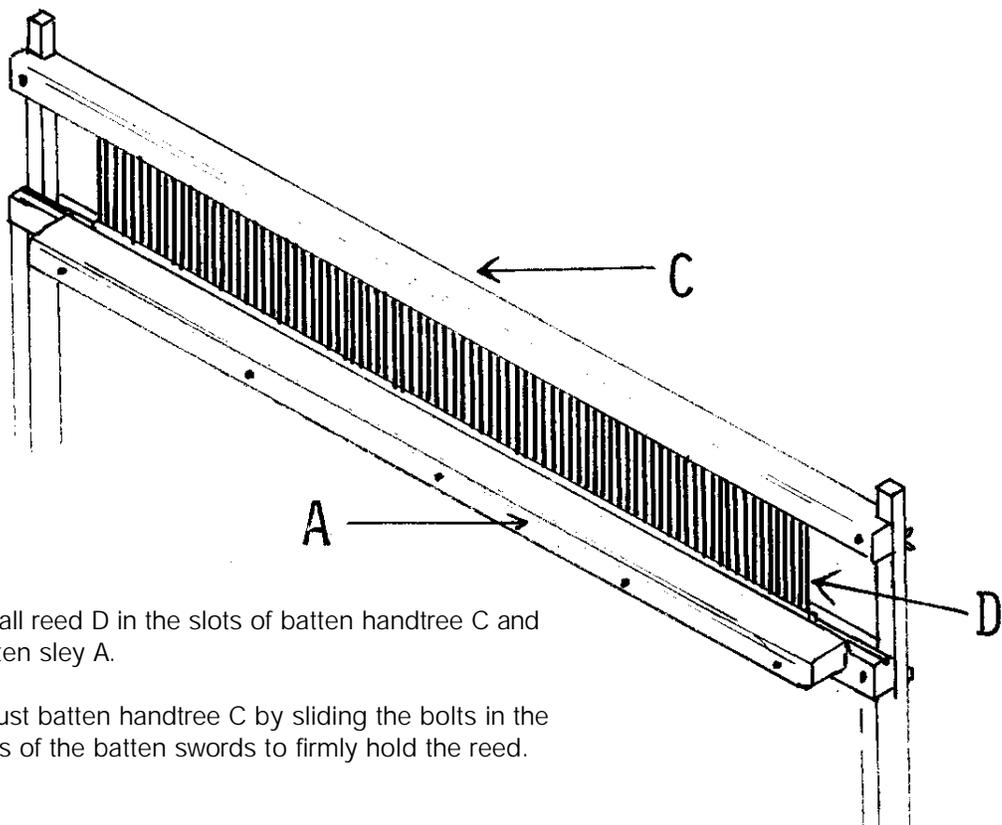


Using two 1 1/2" (40 mm) flat-headed screws no. 12, affix castle top on top of middle wide post (castle)



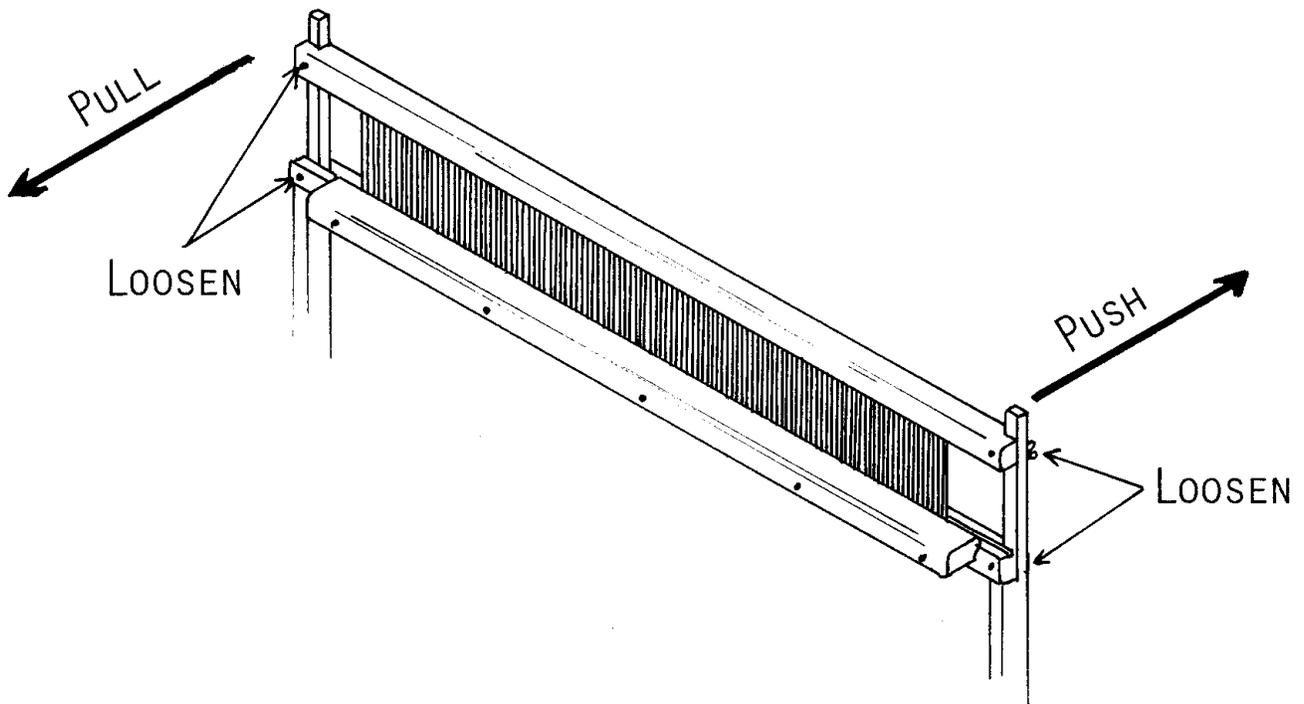
Using the carriage bolts, steel washers and square nuts, attach the batten sley A (with shuttle race) to the batten swords B.

Then affix the batten handtree C to the batten swords B.

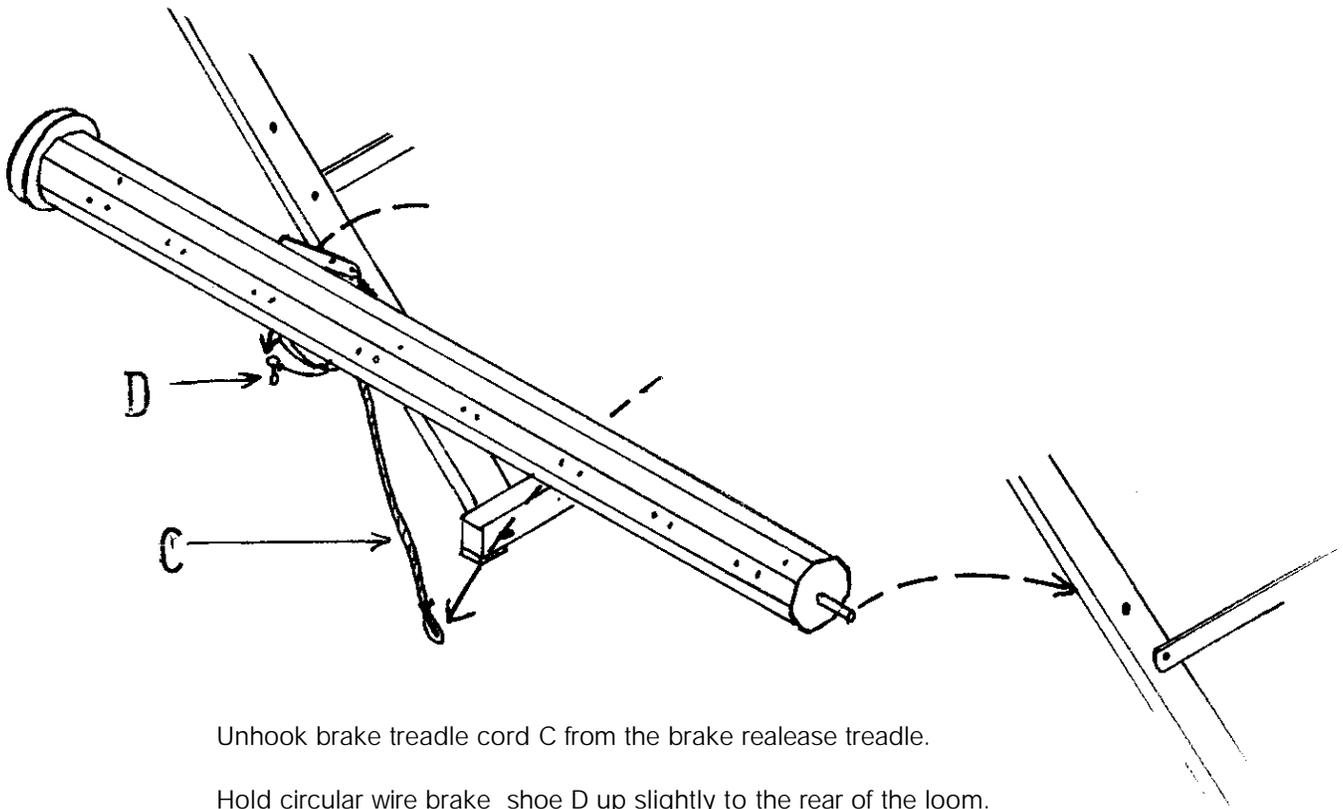


Install reed D in the slots of batten handtree C and batten sley A.

Adjust batten handtree C by sliding the bolts in the slots of the batten swords to firmly hold the reed.



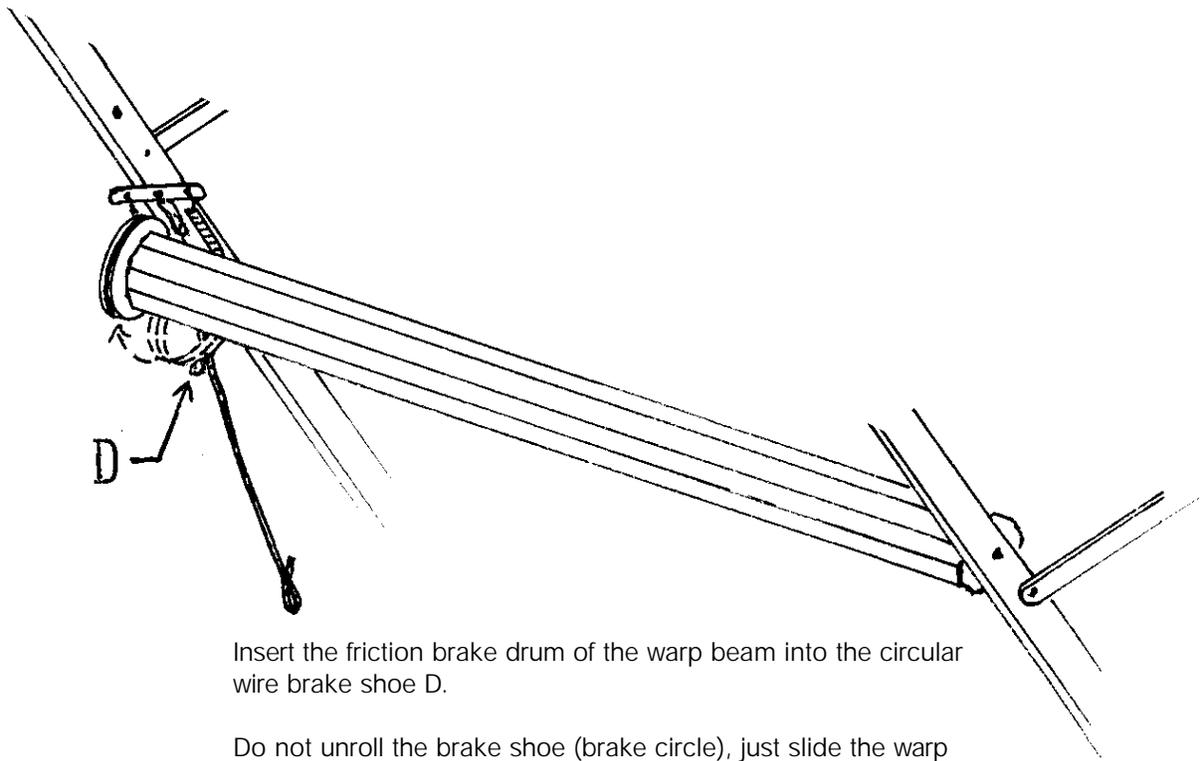
If the batten does not touch the two bumpers equally, loosen the bolts of the batten sley and batten handtree and exert pressure on the batten centering it in its proper place. Tighten the bolts again while keeping pressure in the batten.



Unhook brake treadle cord C from the brake release treadle.

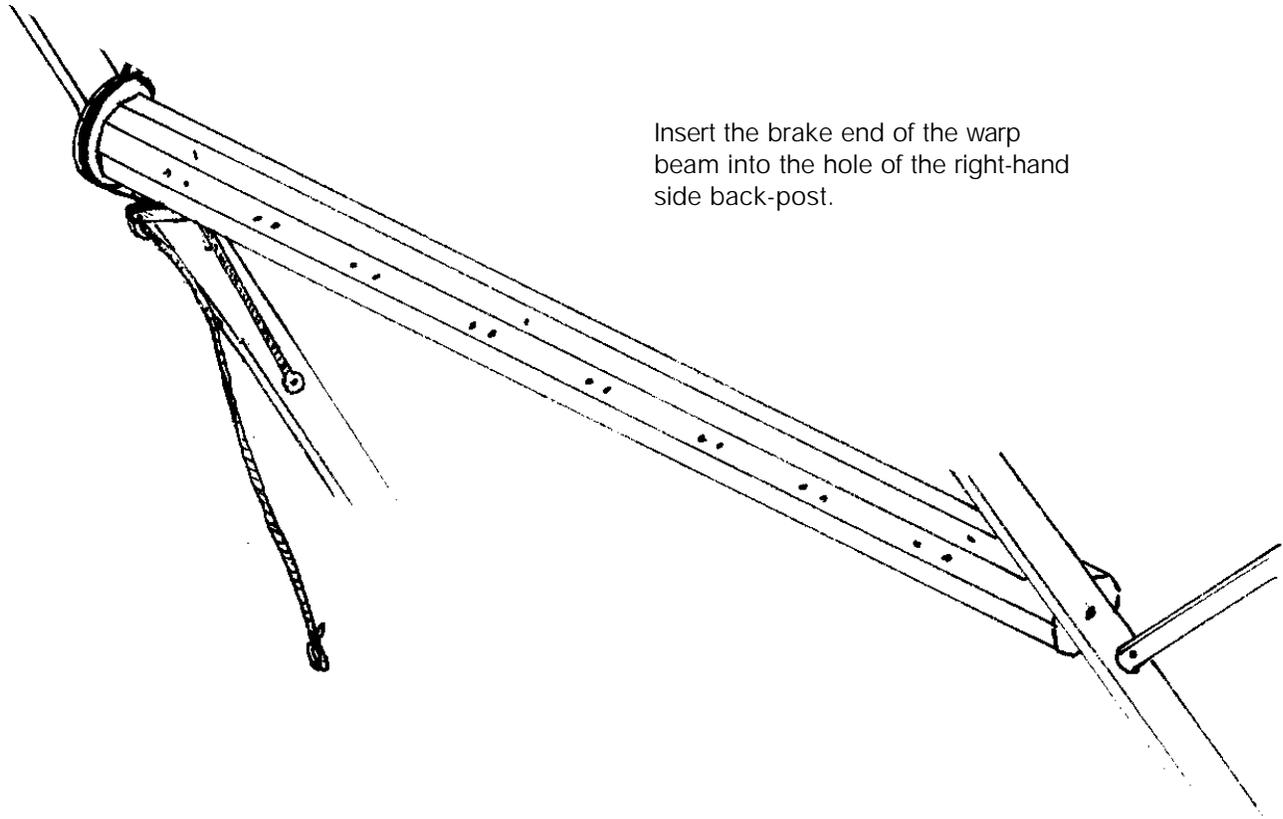
Hold circular wire brake shoe D up slightly to the rear of the loom.

Insert one end of the warp beam (which has only a metal post) into the left-hand side back post.

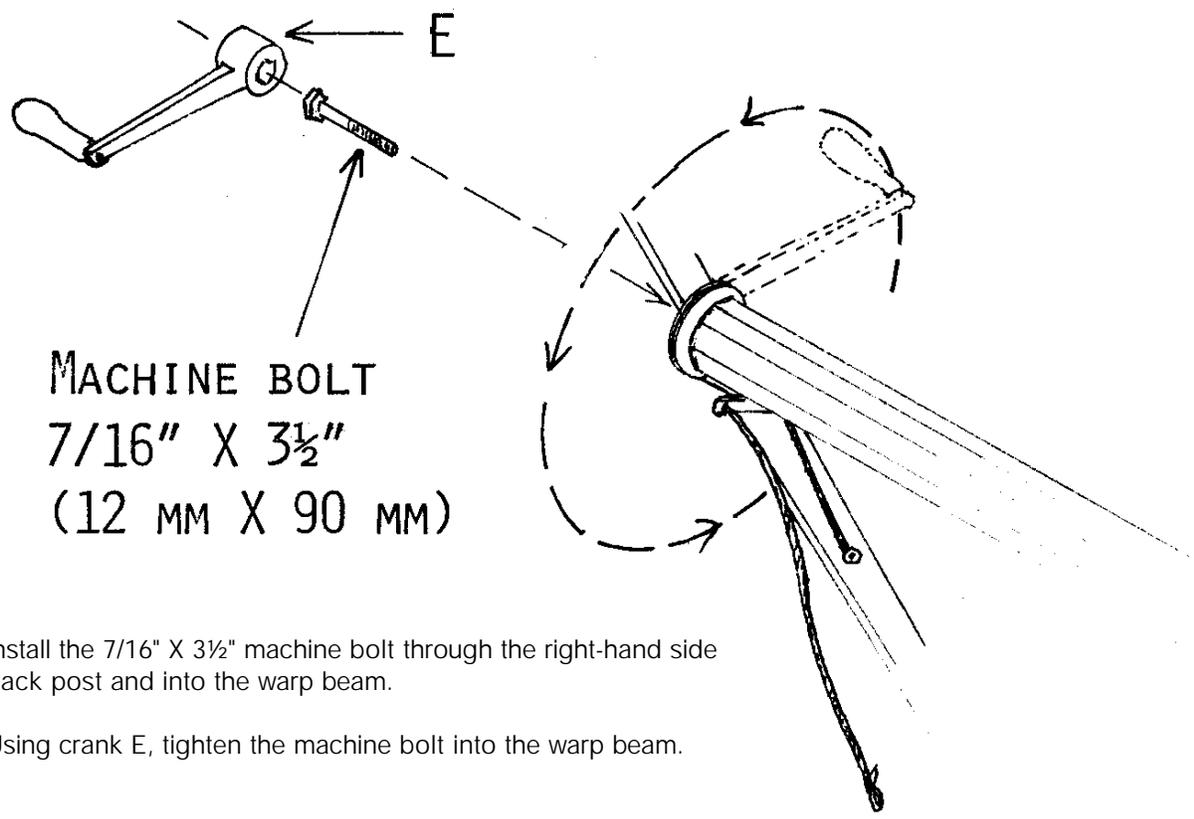


Insert the friction brake drum of the warp beam into the circular wire brake shoe D.

Do not unroll the brake shoe (brake circle), just slide the warp beam into it



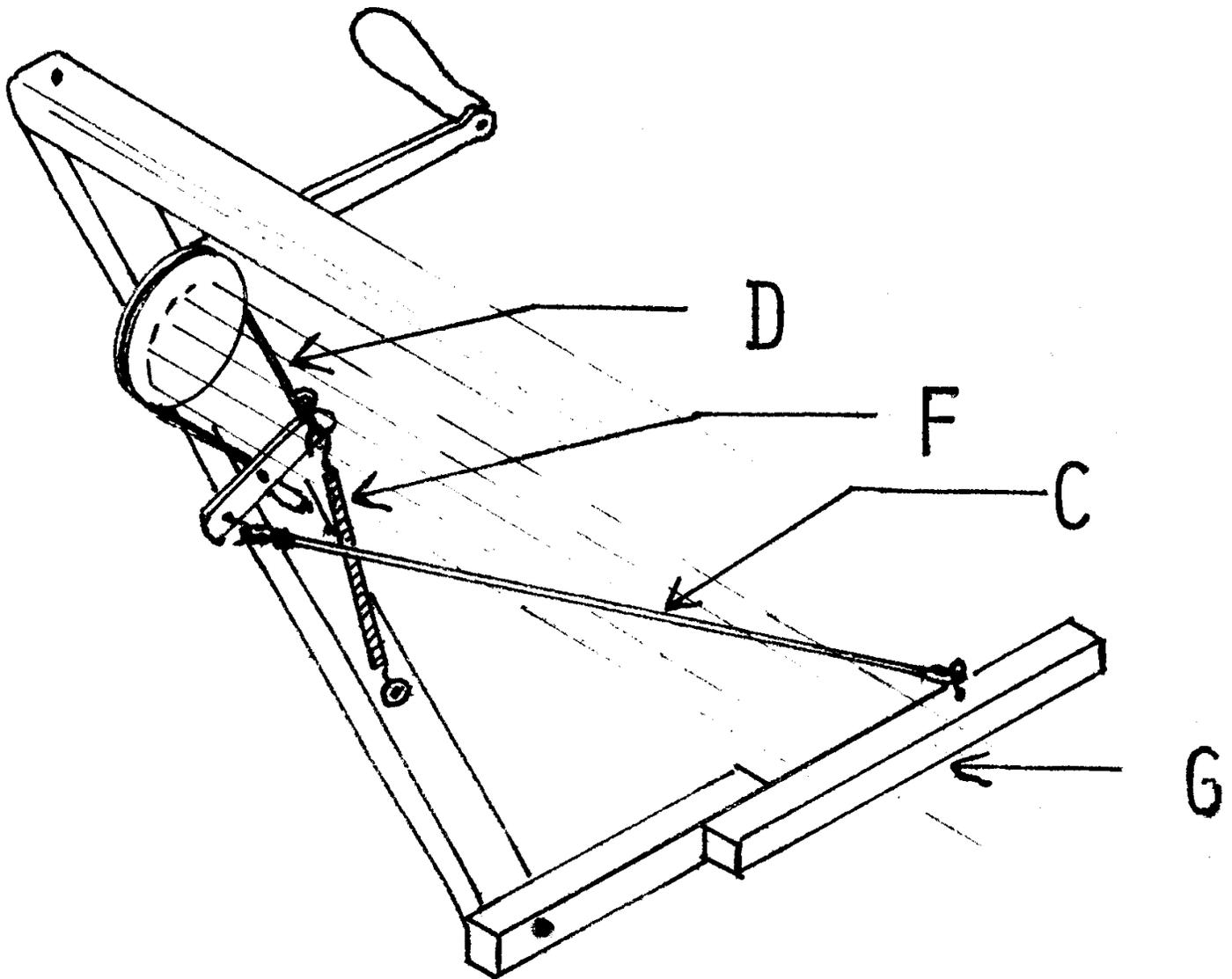
Insert the brake end of the warp beam into the hole of the right-hand side back-post.



MACHINE BOLT  
7/16" X 3 1/2"  
(12 MM X 90 MM)

Install the 7/16" X 3 1/2" machine bolt through the right-hand side back post and into the warp beam.

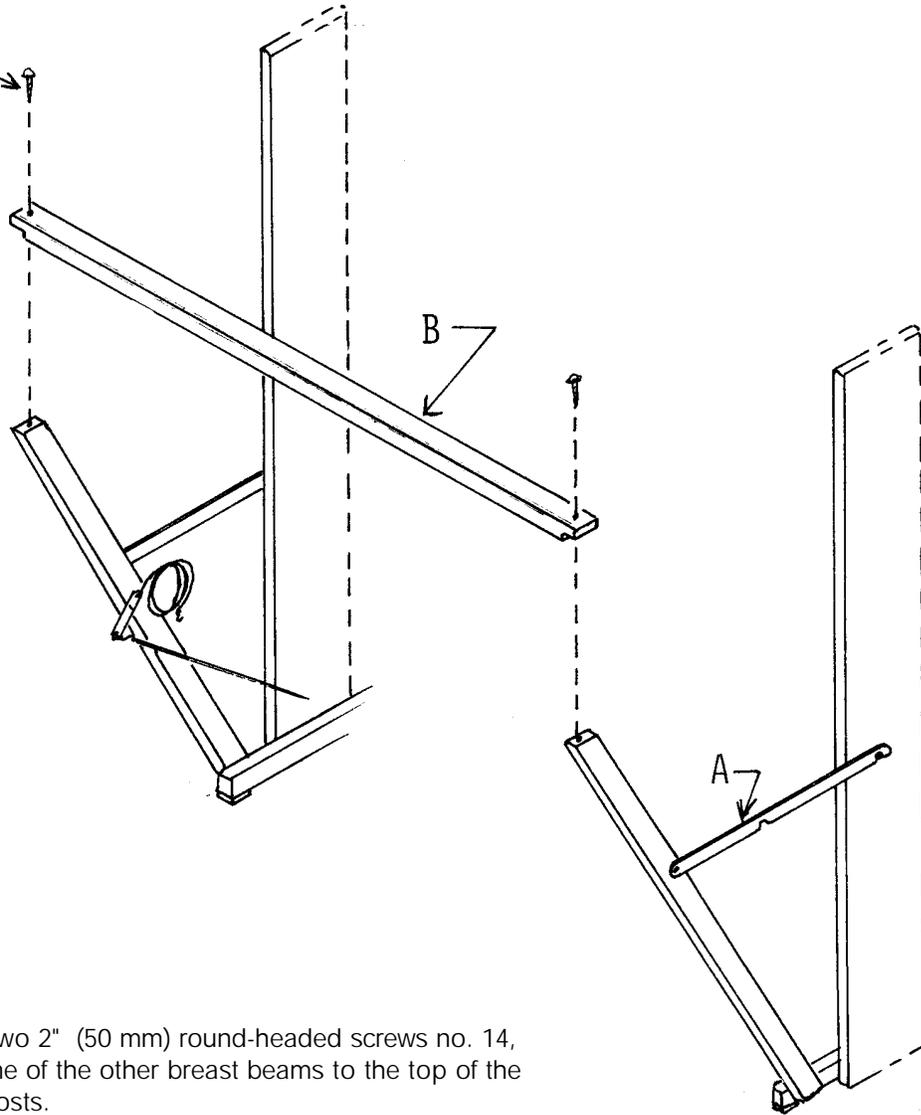
Using crank E, tighten the machine bolt into the warp beam.



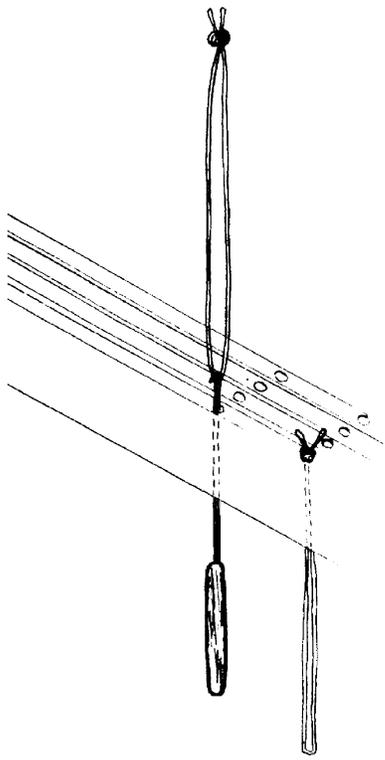
Attach the end of circular brake shoe D (brake circle) to the hook of spring F

Then attach cord C to the hook of brake treadle G  
See "Warp and Weave" book (friction brake section page 87)

SCREW No 14 2" (50 MM)

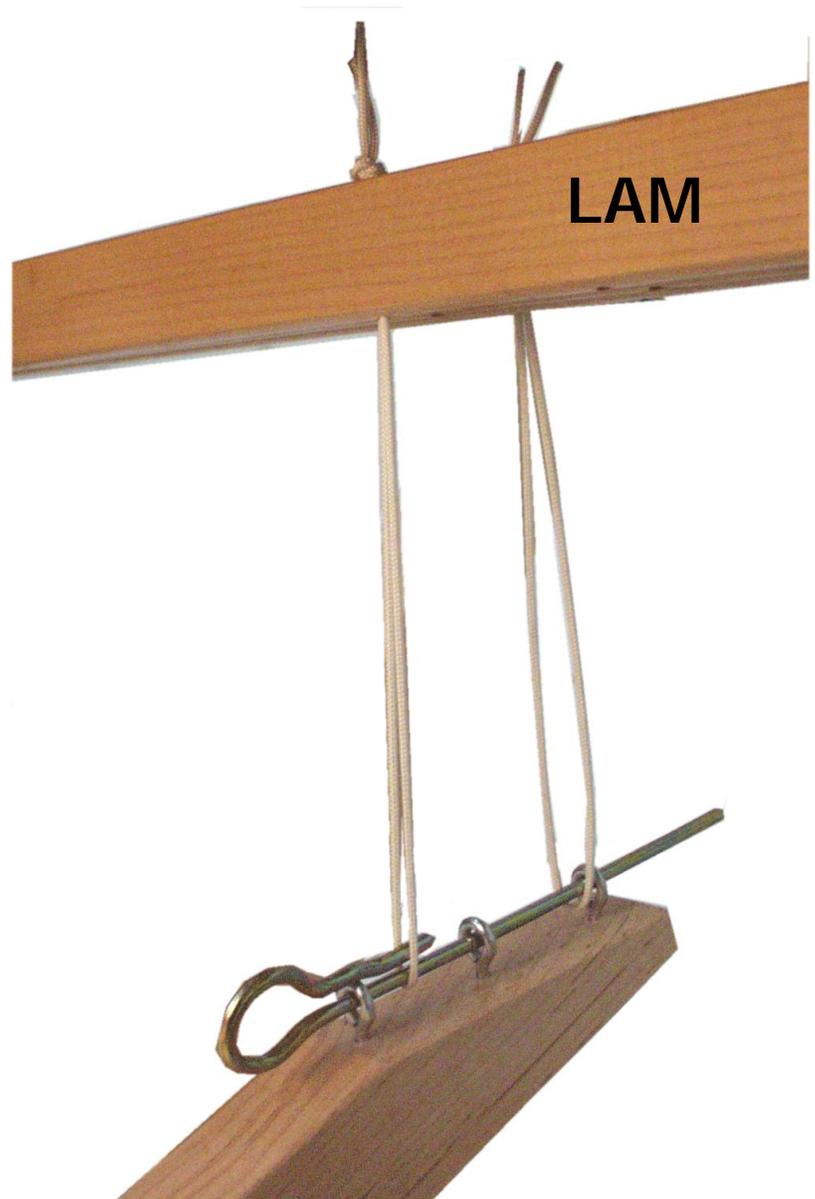


Using two 2" (50 mm) round-headed screws no. 14, affix one of the other breast beams to the top of the back posts.

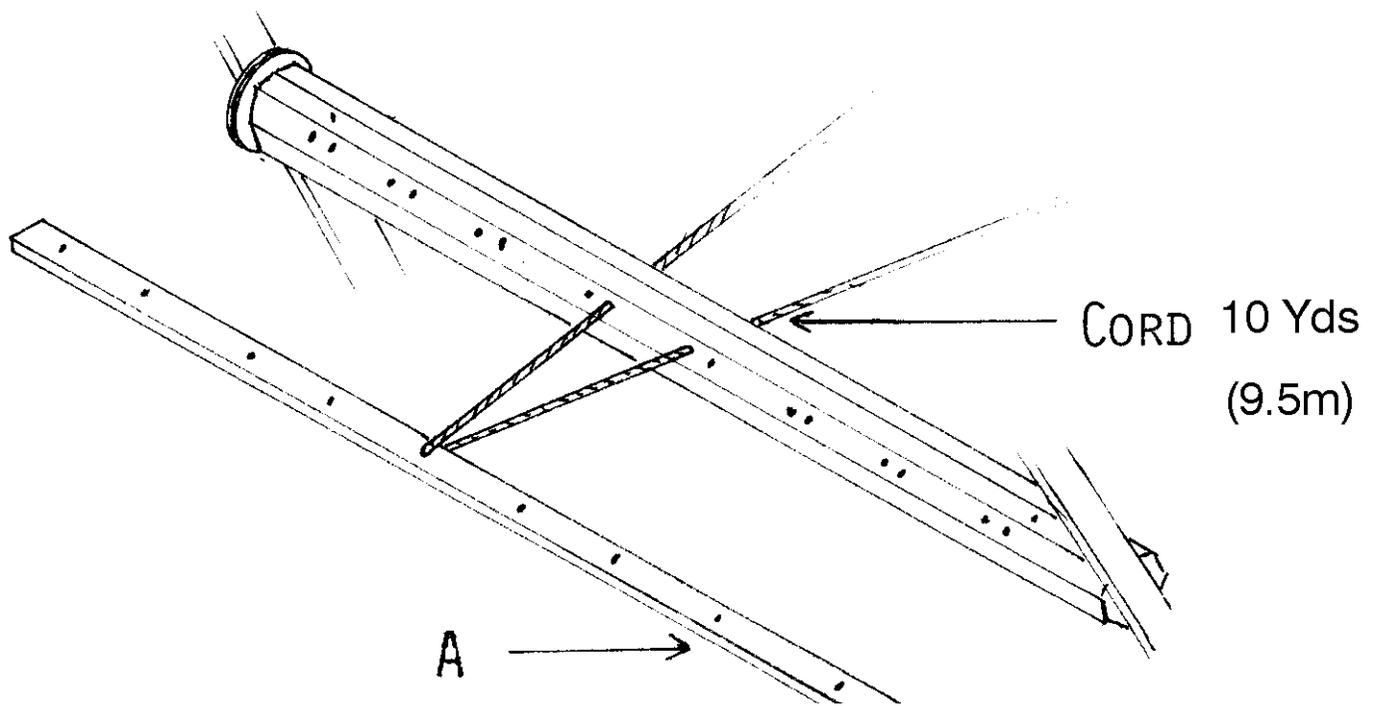


## FIRST TREADLE TIE-UP

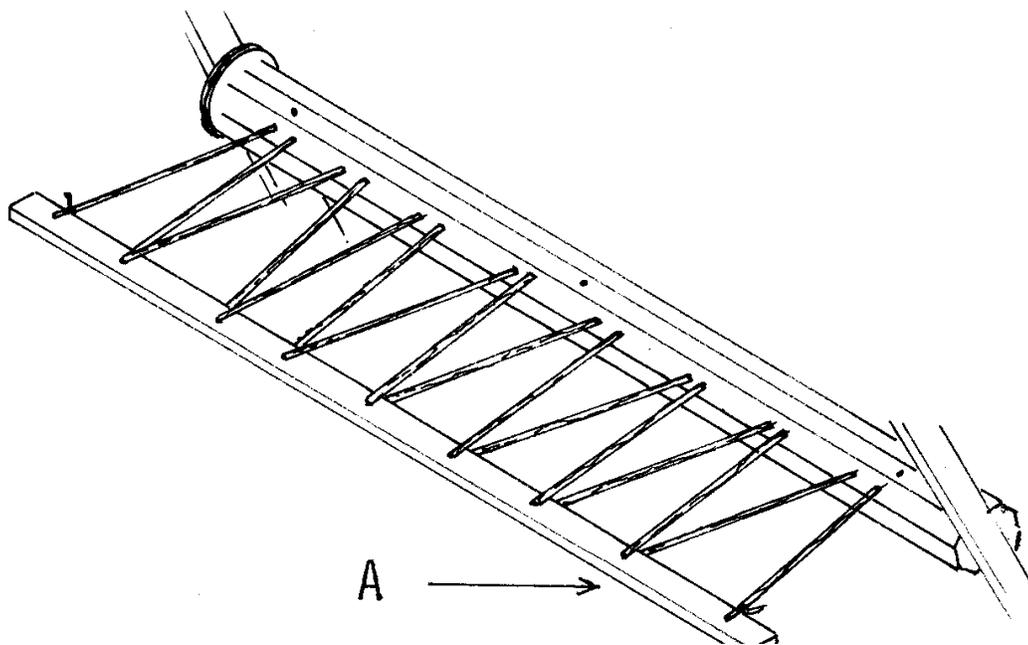
Select any treadle and tie the Lams to it using the 7" cords supplied with the loom. Take the heddle hook to help thread the cord through each hole of the lam.



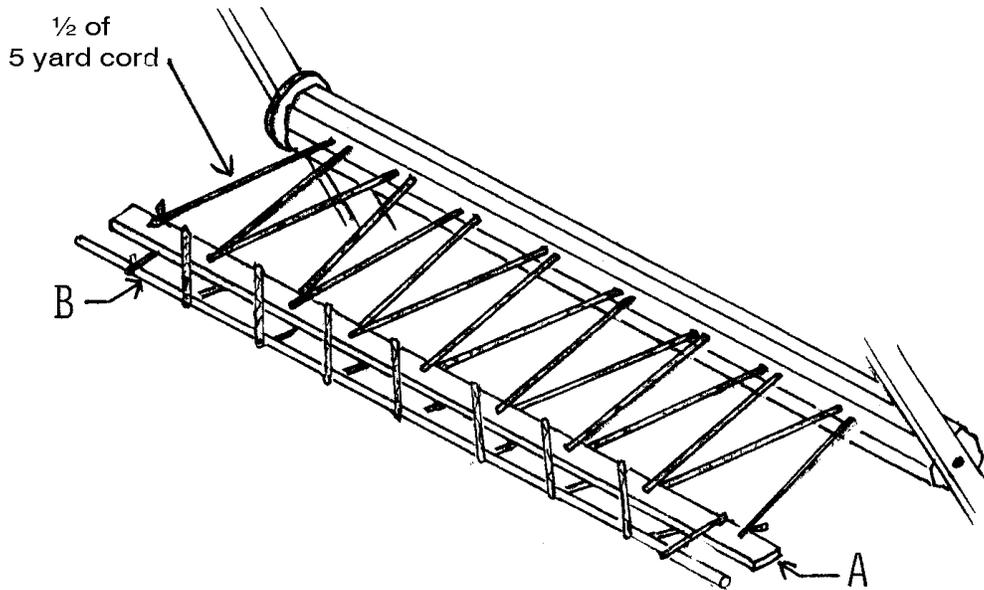
Slide the Treadle Hook through the Screw Eyes and Cord Loops.



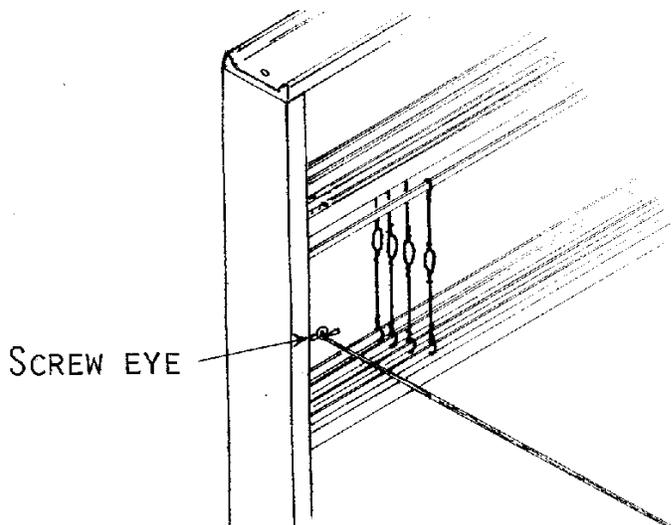
Thread the 10 yard (9 m) cord through the middle hole of beam stick A. Then pass the two ends (equal in length) of this cord through the middle holes of the warp beam.



Continue threading the cord through the warp beam and beam stick A. Knot the cord at each end of the beam stick. Adjust the cord so it is equally divided and keeps the beam stick straight. This will reduce warp wastage.

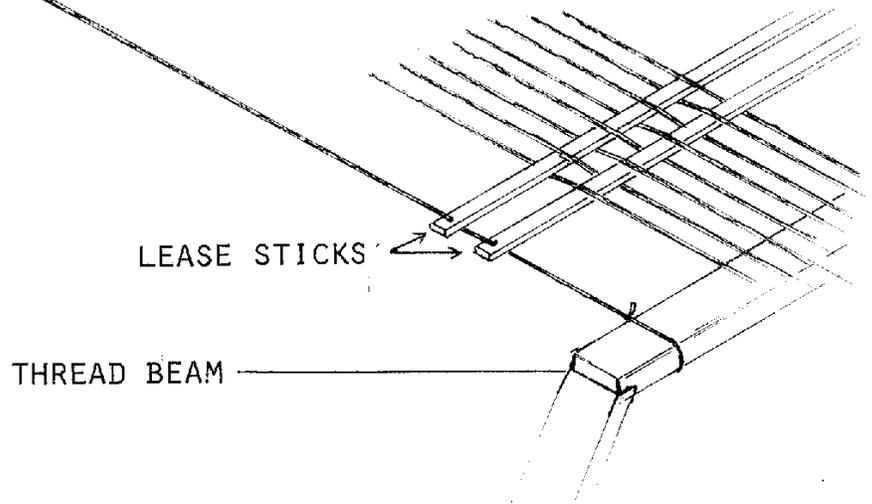


Cut the 5-yard (4.5 m) cord in half. One half of this cord laces beam stick A to warp rod B. Insert a metal rod into the apron of the cloth beam. Use the other half of the cord to lace this rod to the third metal rod.



Screw eyes have been affixed to the inner side of the main post. Pass a string through the holes of the lease sticks then tie the ends to the thread beam and to the screw eye. Do the same with the other ends of the lease sticks.

The lease sticks will now be held at a practical height for threading.



We at Leclerc encourage Weaver feedback on this and all our products. Please send your comments to Leclerc Loom Co.  
**HAPPY WEAVING**