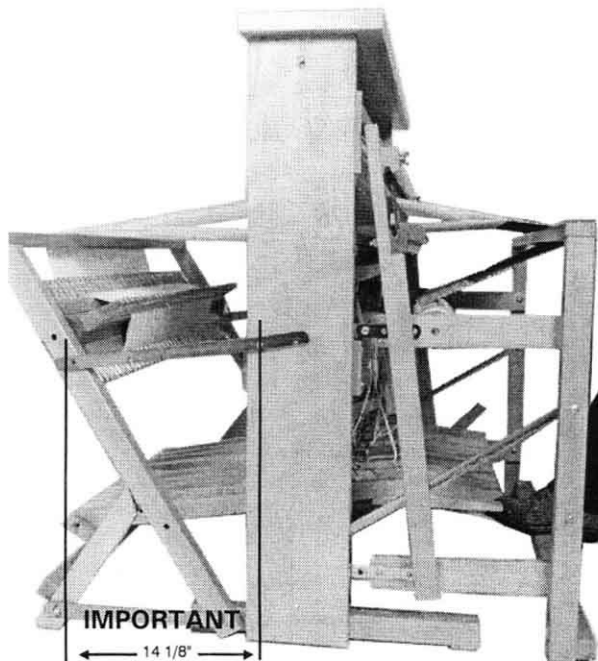


8 SHAFT KIT FOR ARTISAT 36" WITH BACK HINGE TREADLES

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.



Leclerc Looms

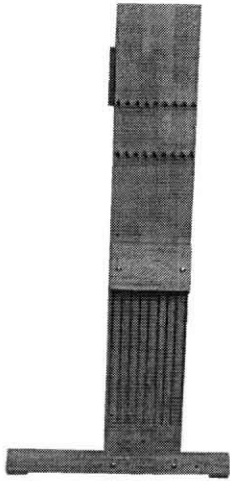
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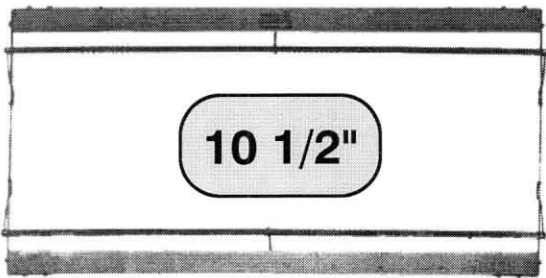
leclerc@leclerclooms.com
www.leclerclooms.com



- ✓ 1 Right hand side upright 43" x 7 1/8" x 1 1/4"
 - ✓ 1 Left hand side upright " " "
- assemble with long loom bases



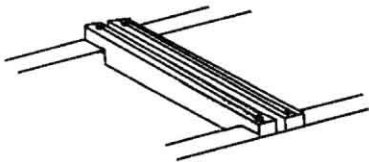
- ✓ 4 Sets of jacks 6 3/8"



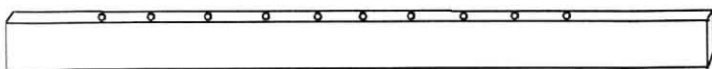
- ✓ 4 Shaft frames 38 3/4" X 14 5/8"



- ✓ 2 Metal rods for jack box 7 1/2" x 3/8"

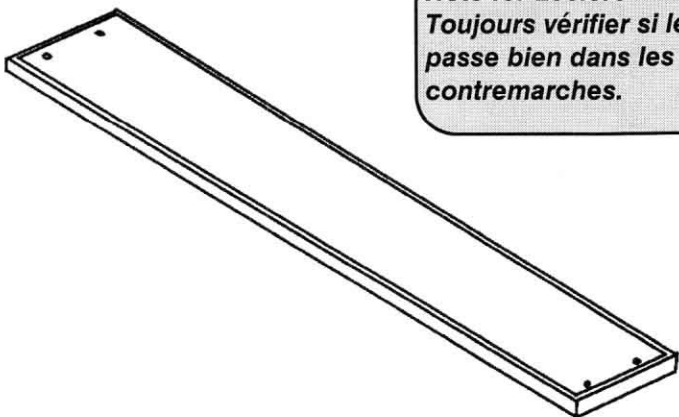


- ✓ 2 Rubber strips for jacks 8 1/4"



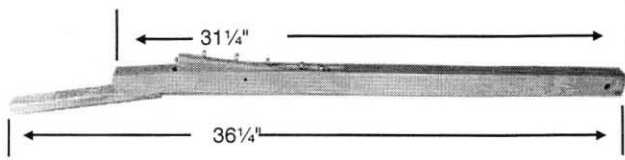
- ✓ 8 Floating lams 39 7/8" (cc= 2 3/4")

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



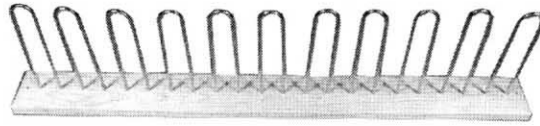
- ✓ 1 Castle top (shelf) 41 3/8"

PARTS LIST



✓ 10 treadles with rocker piece

✓ 1 Treadle Separator 40"

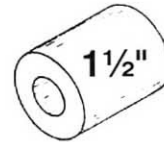


Note for Leclerc in French :
Trous 1" du bout en biais



✓ 1 Treadle set rod 28" x 7/16" with push nut

✓ 1 more Treadle set
Pushnut



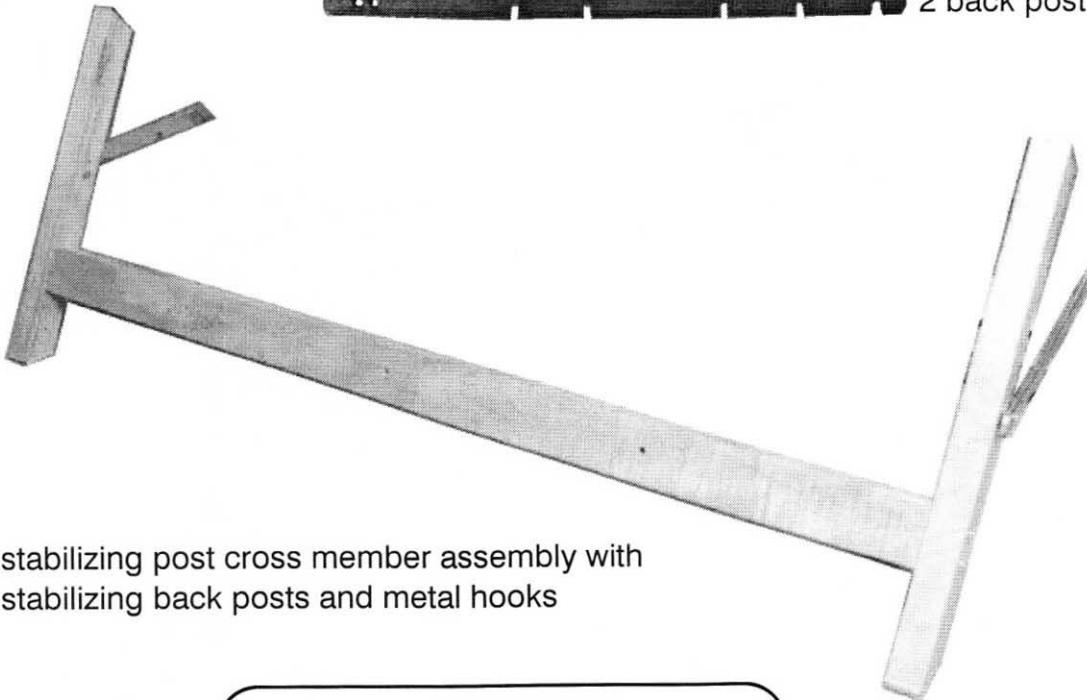
✓ 4 Wood spacers for treadle set



✓ 10 Treadle hooks 9 1/2" long



✓ 2 back post hooks 18 1/2"



✓ 1 new stabilizing post cross member assembly with
2 new stabilizing back posts and metal hooks

YOU WILL ALSO NEED:

- 1 electric drill
- 1 drill bit 11/64"
- 1 drill bit 1/8"

PARTS LIST



Washers
 ✓ 8X - 3/8 (jacks)

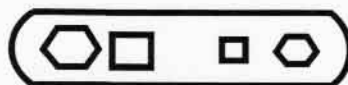


✓ 2X - Brown plastic
 for back post hooks

✓ 3 screwdrivers
 black, red, and green



✓ 1 aluminum
 wrench



✓ 7X Screw eyes



Round headed screws



- ✓ 2X - #8 1 1/4" (treadle separator)
- ✓ 10X - #12 x 3/4" (Jack box (loop))
- ✓ 2X - #12 x 1 1/2" (Back post hook)
- ✓ 8X - #12 x 1 1/2" (jack box)
- ✓ 4X - #7 x 3/4" (Rubber jack box)
- ✓ 6X - #8 x 1" (back stab. hinges)



✓ 60 treadle cords 6 1/2" long



✓ 10 Loop cord 18 1/2" long for treadle rocker

✓ 1 Brake cord 40"



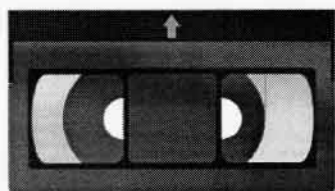
✓ 10 Treadle springs
 with Loop cords 6.5"

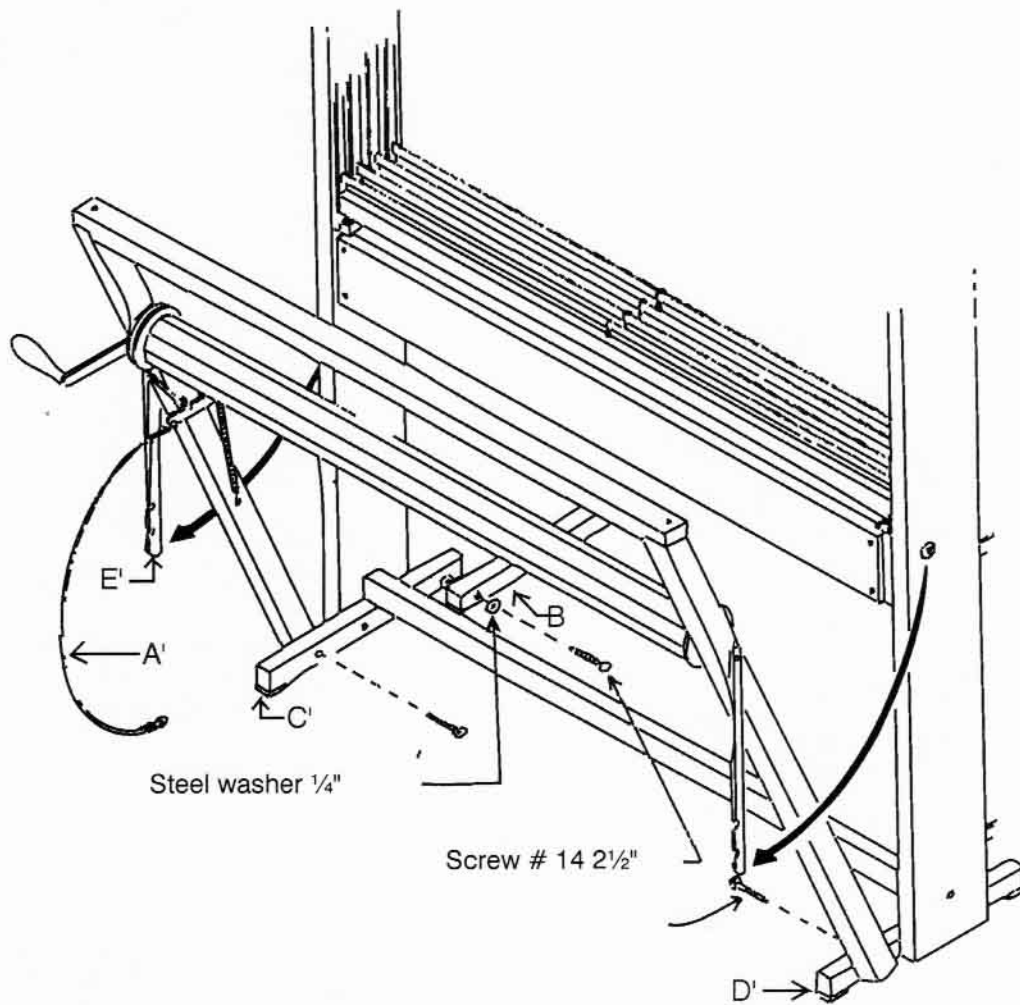


✓ 1 treadle spring rod 39"



✓ Video showing all steps of the installation



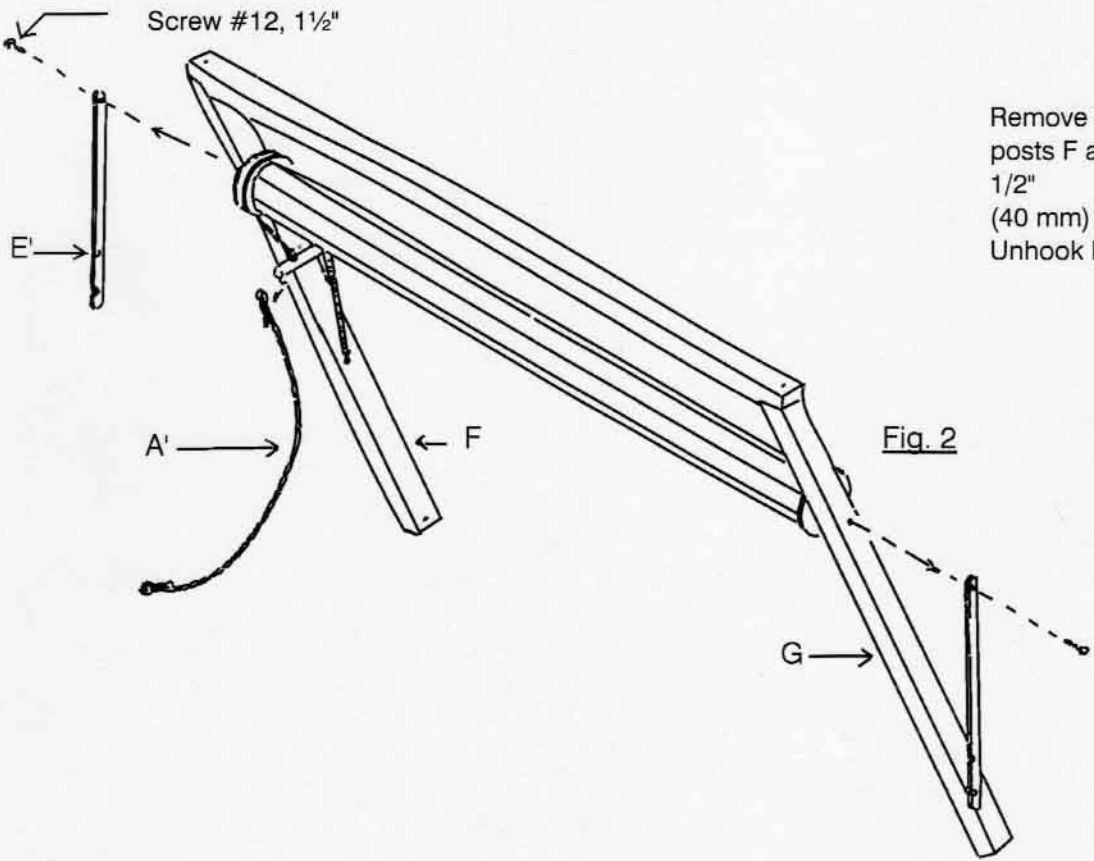


Unhook brake cord A' from brake treadle B.

Remove the 2" (50 mm) round-headed screw

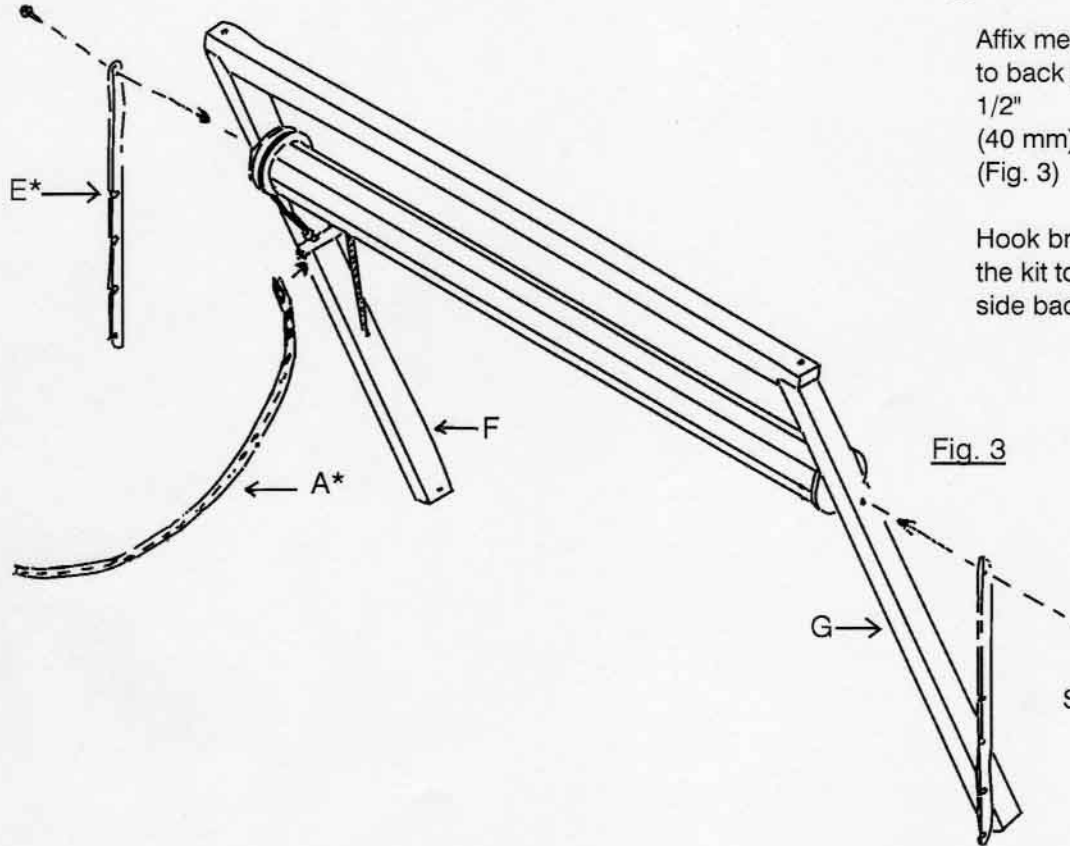
No 14 holding brake treadle B to right-hand side base C'. Remove the brake treadle and the two 1/4" (6 mm) steel washers. (Fig. 1)

Remove the two 2 1/2" (65 mm) round-headed screws No 14 holding the back section of the loom to bases C' and D'. Unhook metal hooks E' from the middle posts and remove the back section of the loom. (Fig. 1)



Remove metal hooks E' from the back posts F and G by unscrewing the two 1 1/2" (40 mm) round-headed screws No 12. Unhook brake cord A'. (Fig. 2)

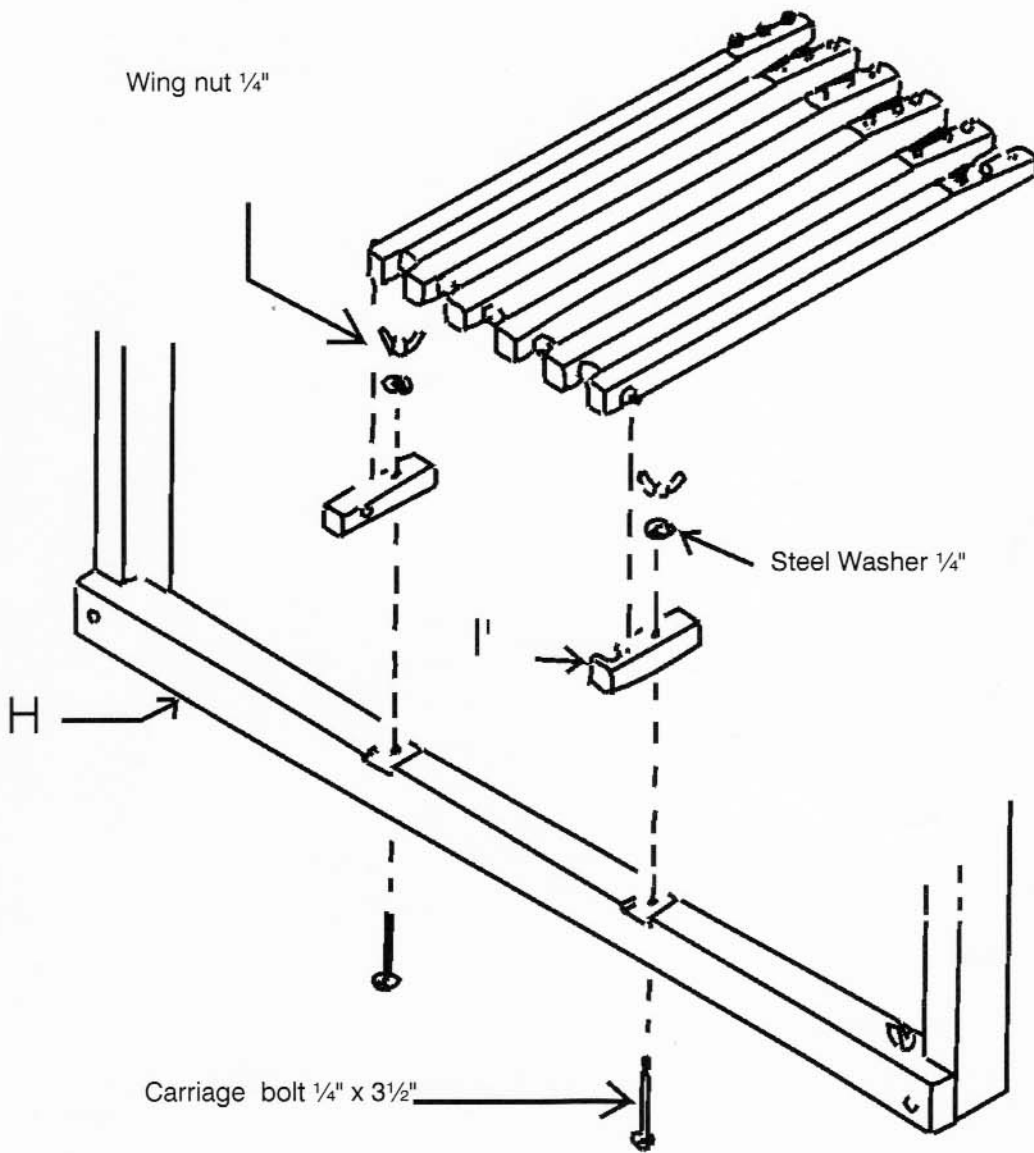
Fig. 2



Affix metal hooks E* supplied with the kit to back posts F and G using the same 1 1/2" (40 mm) round-headed screws No 12. (Fig. 3)

Hook brake cord A* (40") supplied with the kit to the iron fitting of the right-hand side back

Fig. 3



Remove the 1/4" (6 mm) wing nuts and steel washers and the 1/4" X 3 1/2" (6 mm X 90 mm) carriage bolts holding treadle-set supports I' to lower front cross-member H. Remove the treadle set and the supports. (Fig. 4)

Fig. 4

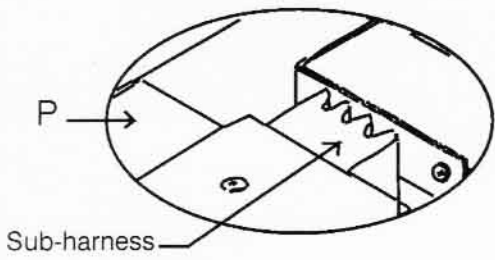
After having folded up the front section of the loom, place the loom on its front. The following illustrations show a loom without batten sley and handtree. However, these may remain on the loom during the conversion; the loom will be folded a bit less than the loom shown in the next figures.

Unhook lams J' from jack iron fitting K. (Detail 5A)

Remove the 1/4" (6 mm) square nut and the 1/4" X 3" (6 mm X 75 mm) machine bolt holding lams J' to metal supports L'. Remove lams J'. (Fig. 5)

Remove bases C' and D' from middle posts M and N after having unscrewed the 2 1/2" (65 mm) round-headed screws No 14. (Fig. 5)

Remove the sub-harnesses which are affixed either to the top of blocks P (Detail 5B) or to the top of the the jack box.board O.



DETAIL 5B

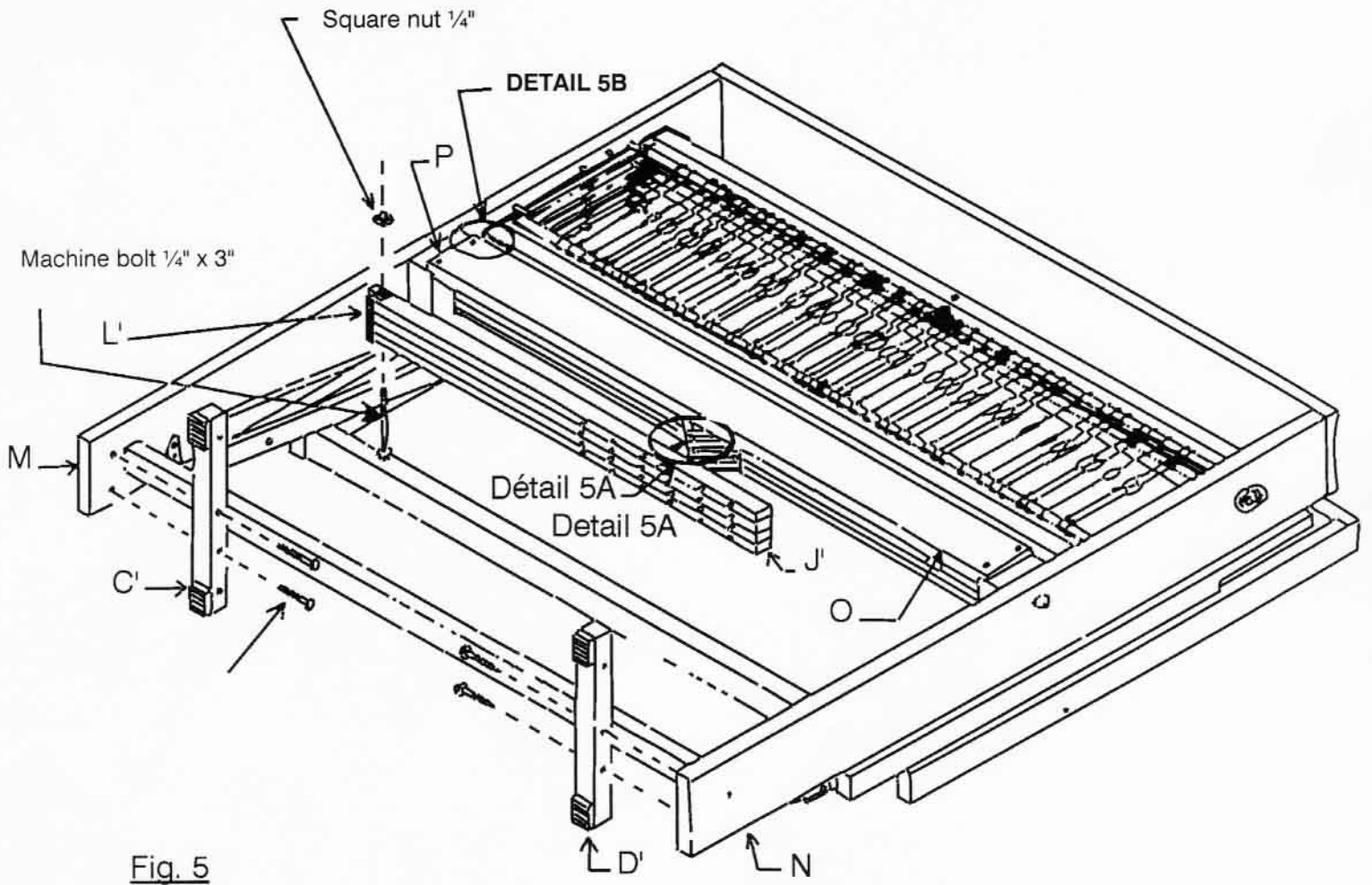
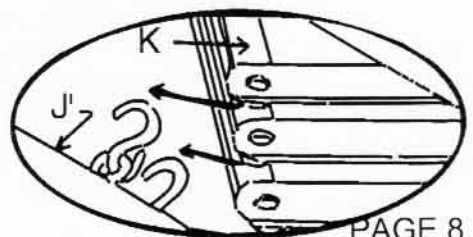
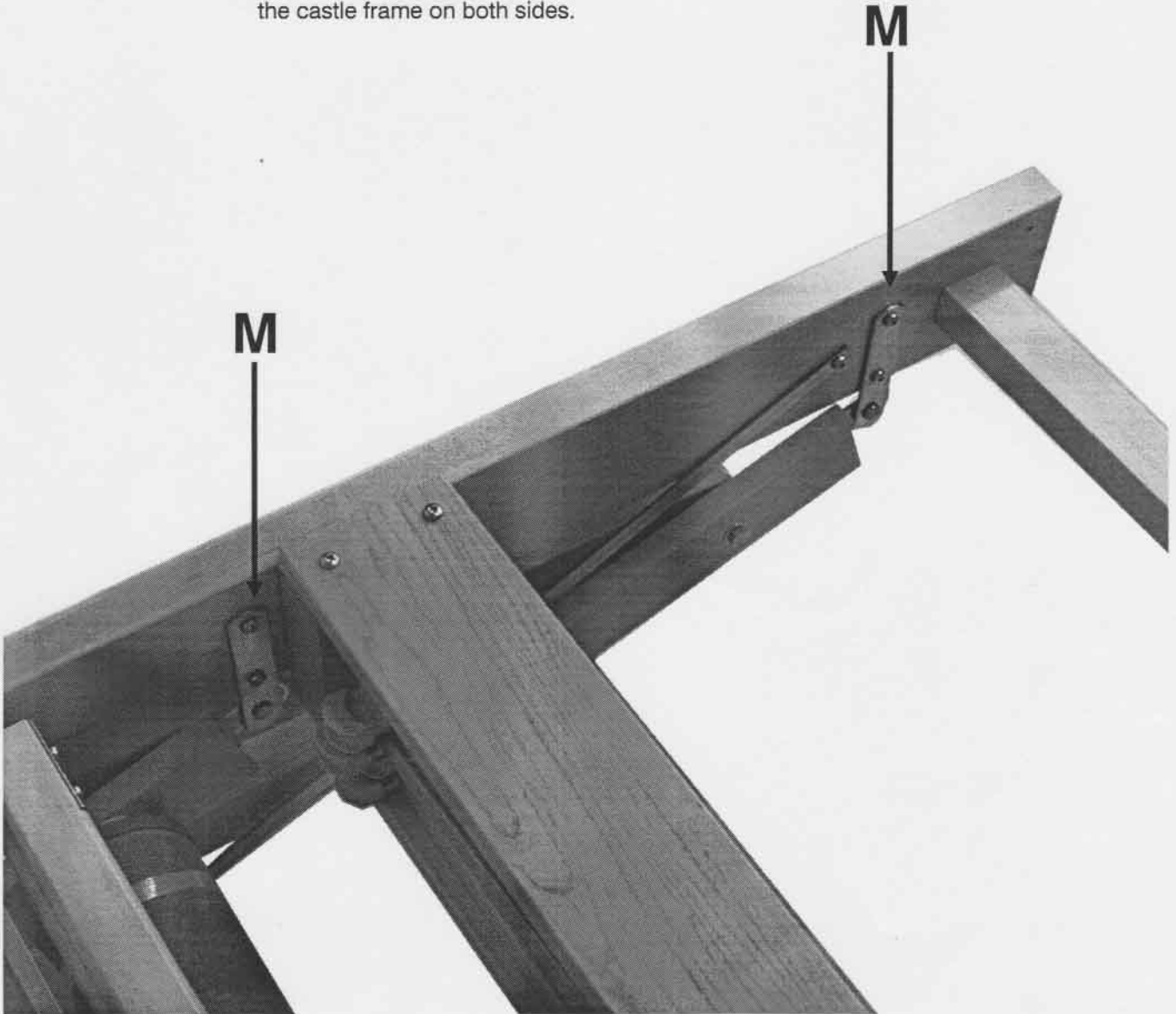


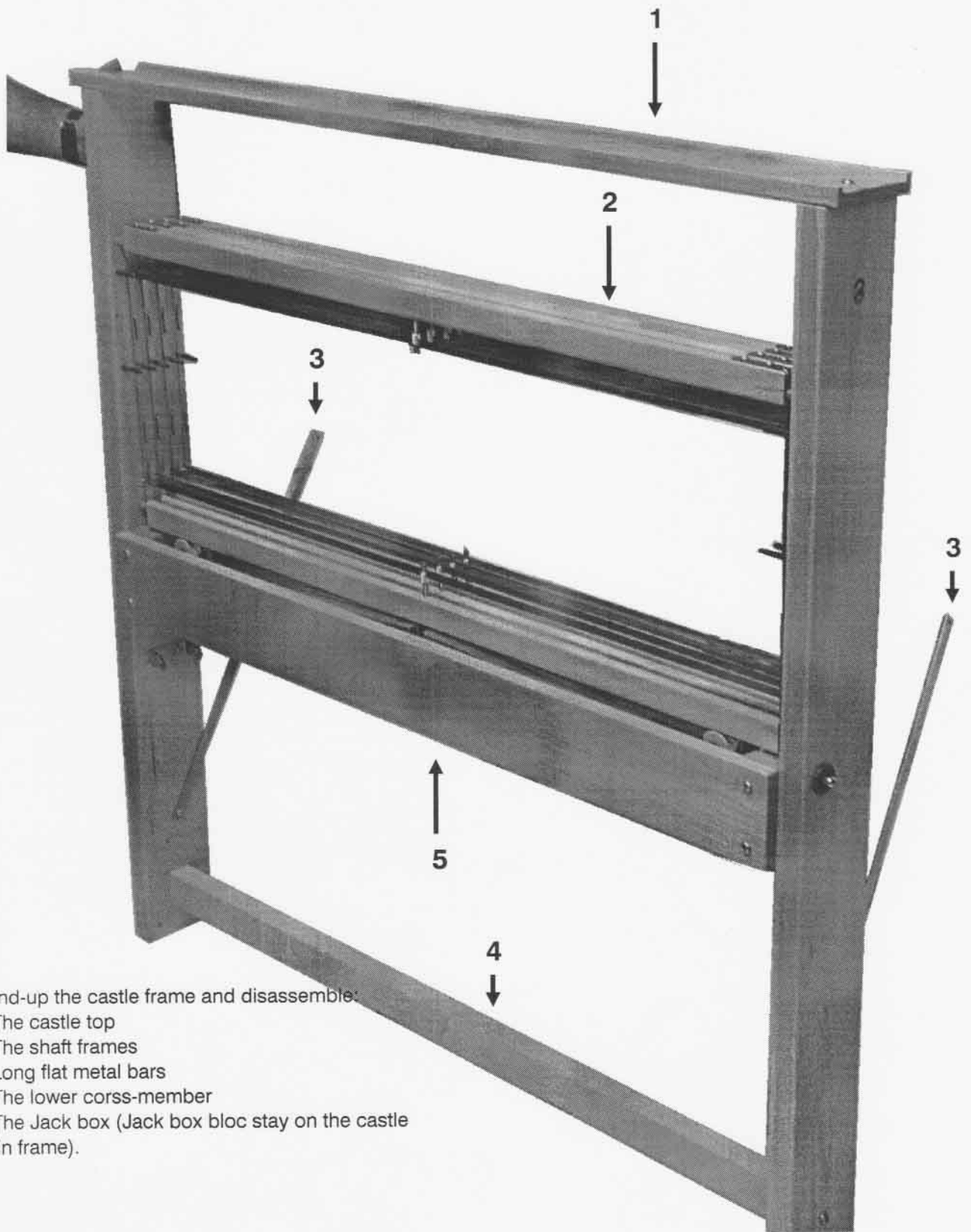
Fig. 5

DETAIL 5A



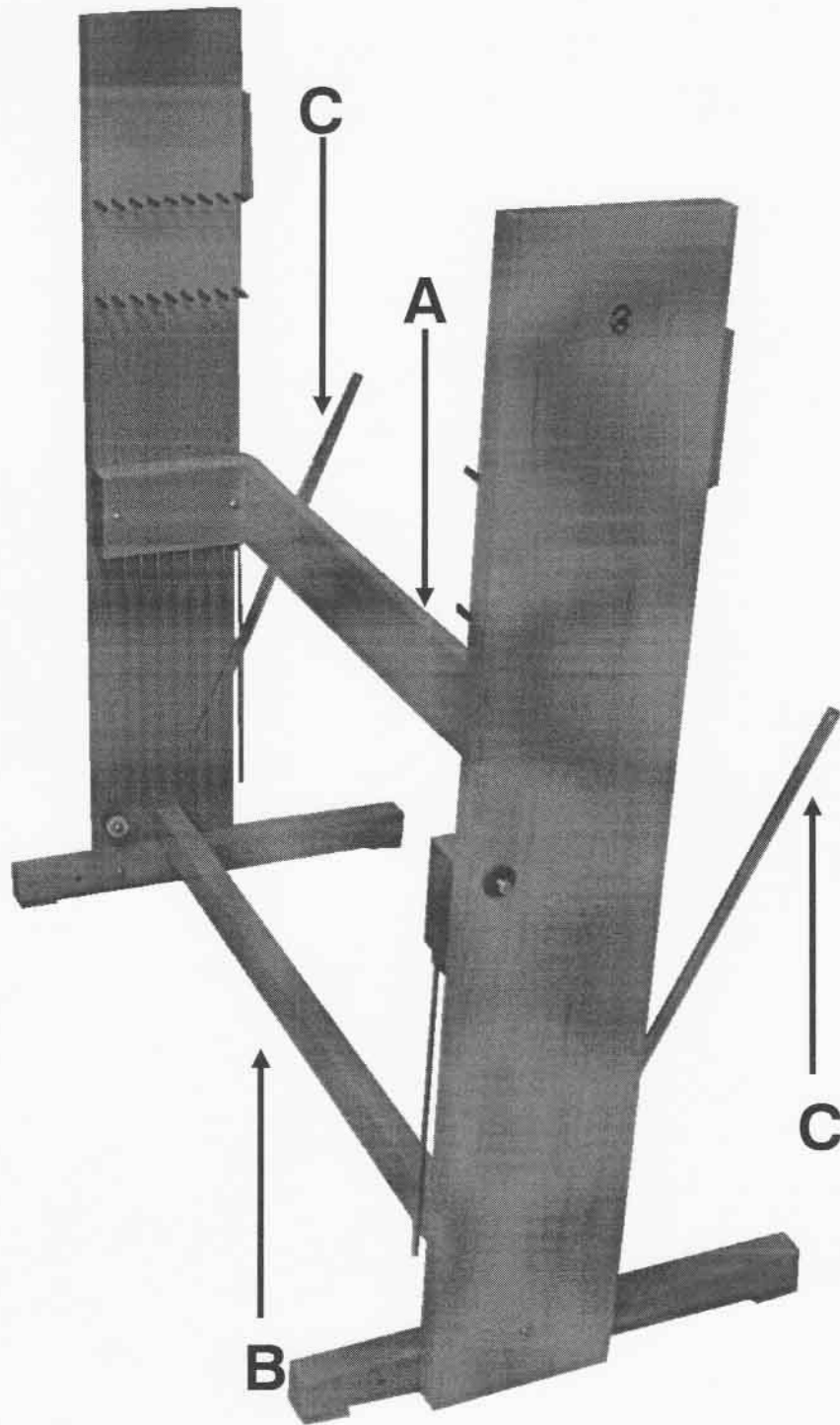
Unscrew the metal braces from the castle frame on both sides.



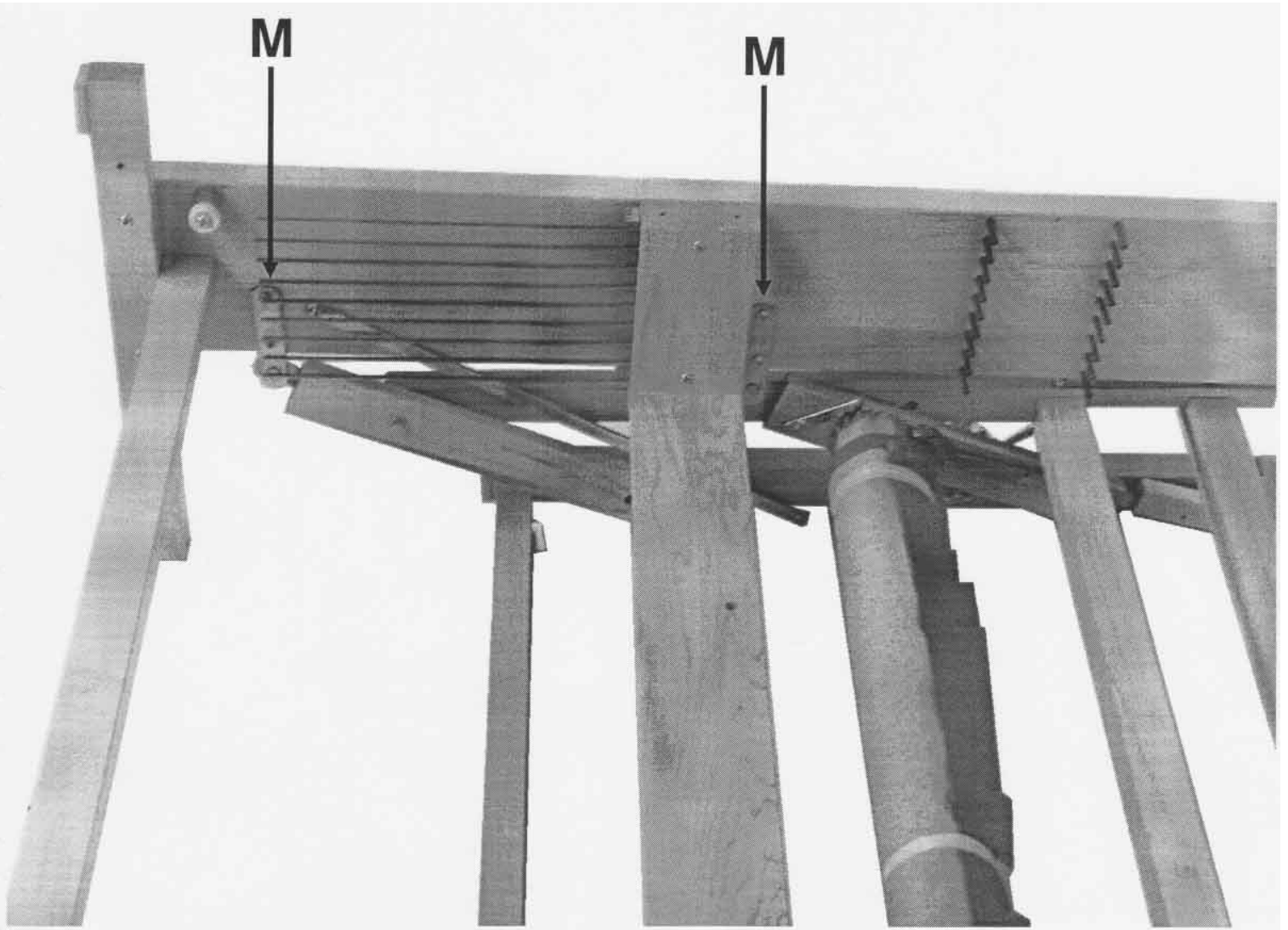


Stand-up the castle frame and disassemble:

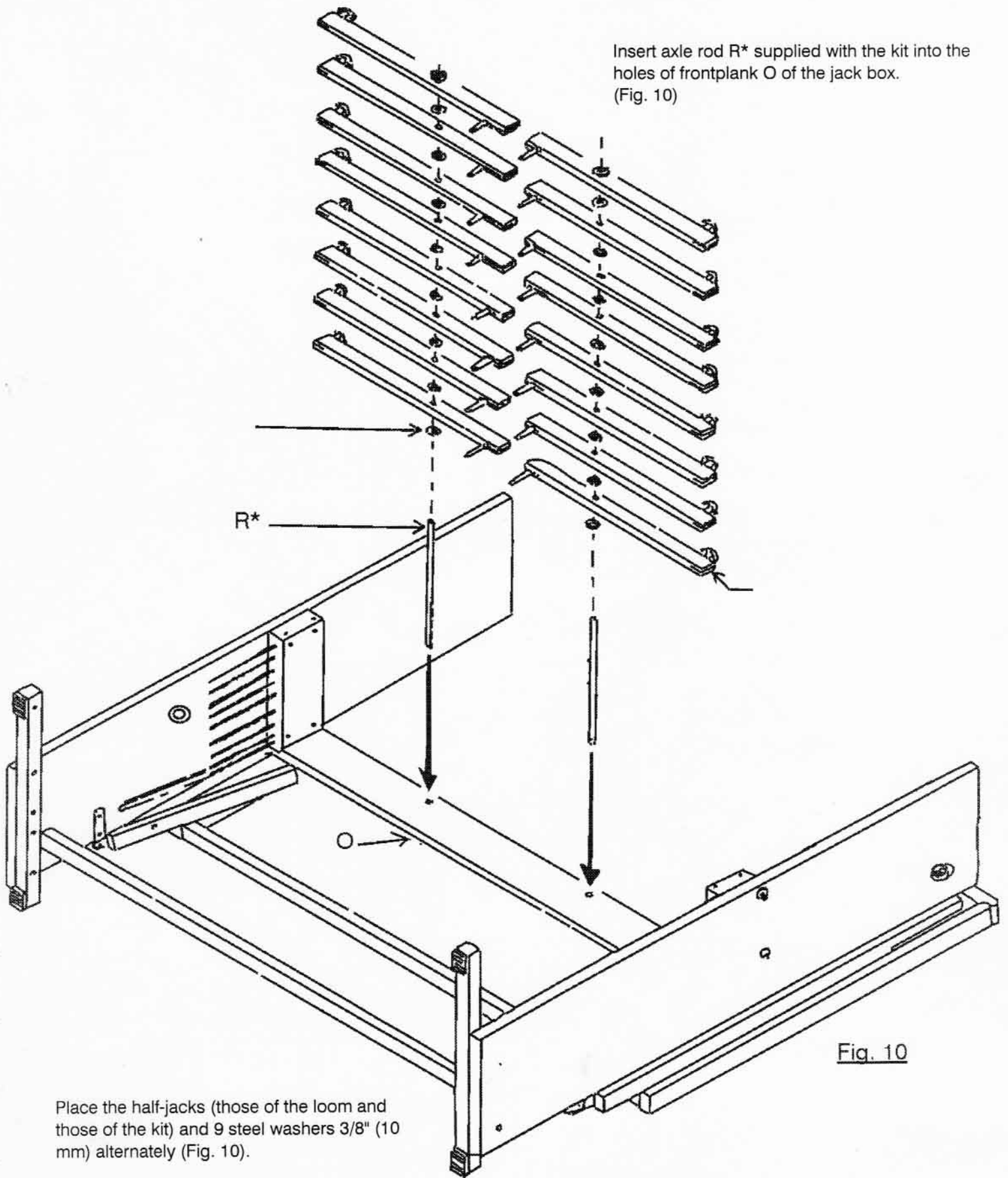
- 1- The castle top
- 2- The shaft frames
- 3- Long flat metal bars
- 4- The lower corss-member
- 5- The Jack box (Jack box bloc stay on the castle main frame).



Assemble the new right and left upright to the:
A- Front board of the jack box
B- Old lower cross-member
C- Long flat metal bars



Lay the castle frame on it's front and connect it to the metal metal braces "M"using the screws remove before.



Insert axle rod R* supplied with the kit into the holes of frontplank O of the jack box. (Fig. 10)

Fig. 10

Place the half-jacks (those of the loom and those of the kit) and 9 steel washers 3/8" (10 mm) alternately (Fig. 10).

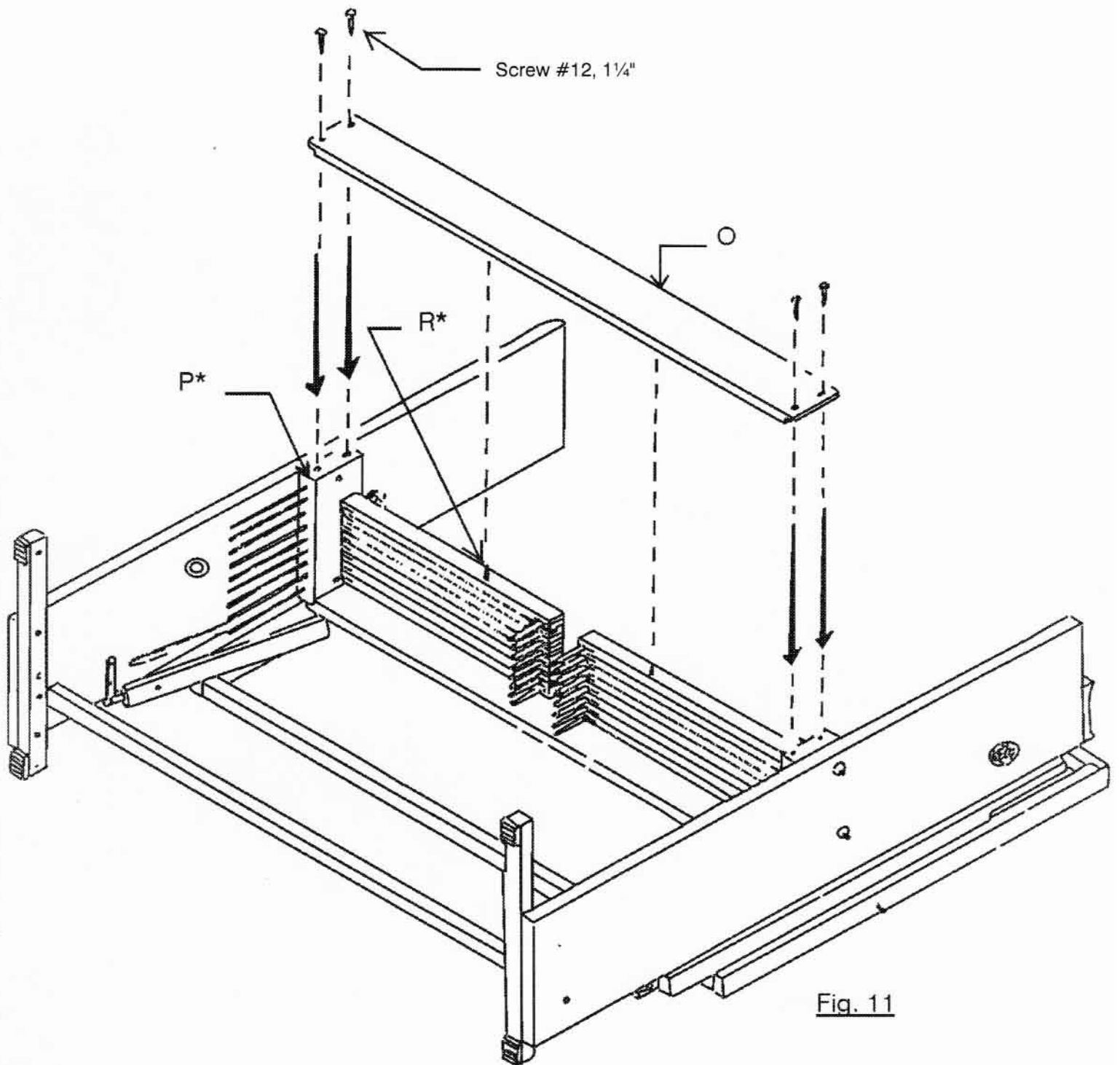


Fig. 11

Using four 1 1/4" (34 mm) round-headed screws No 12, affix plank O to the back of blocks P*. The ends of axle rods R* must be inserted into the plank holes. (Fig. 11)

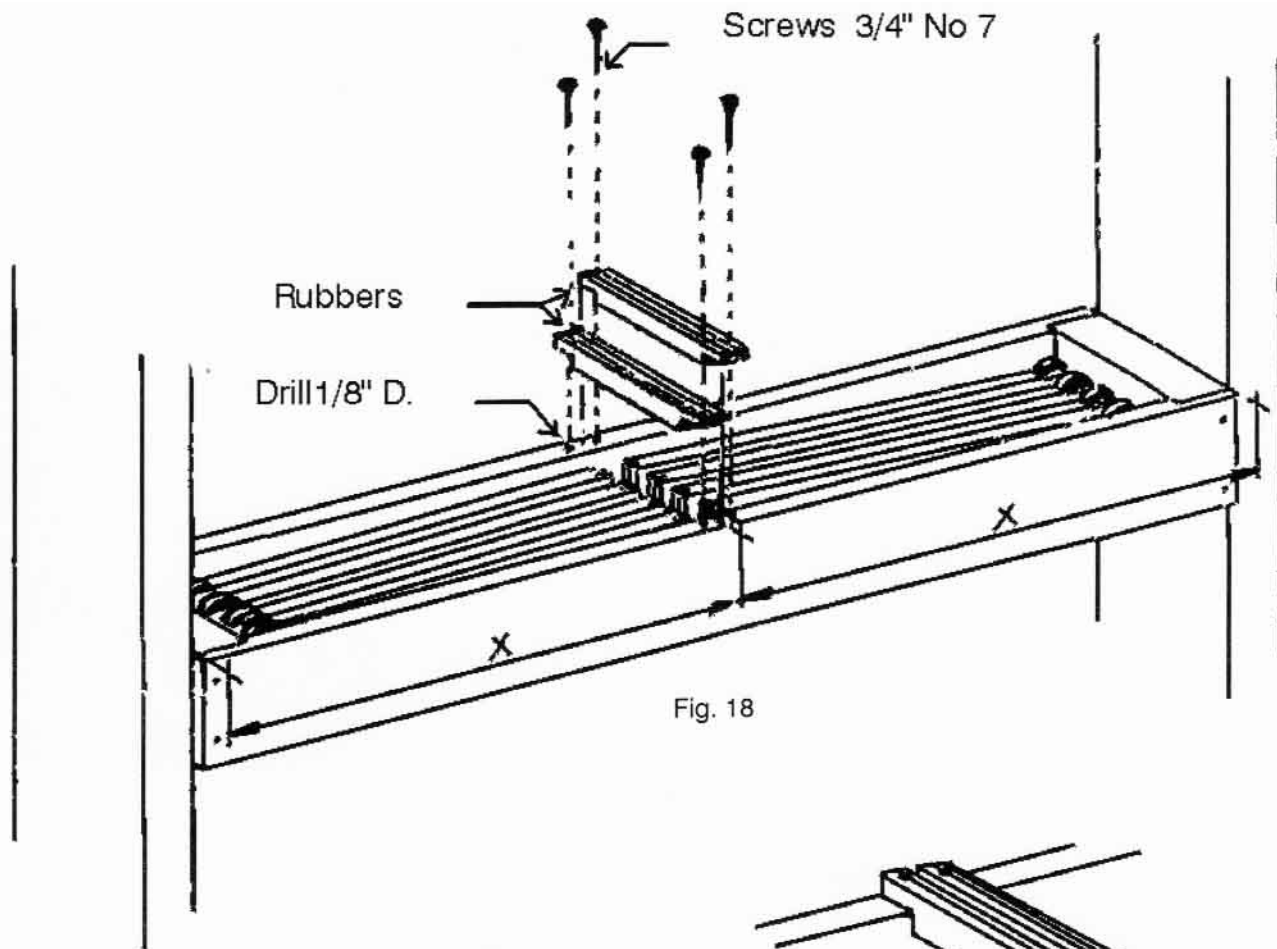


Fig. 18

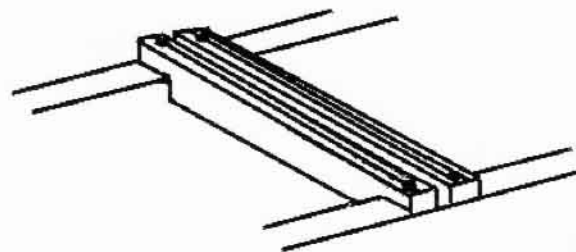


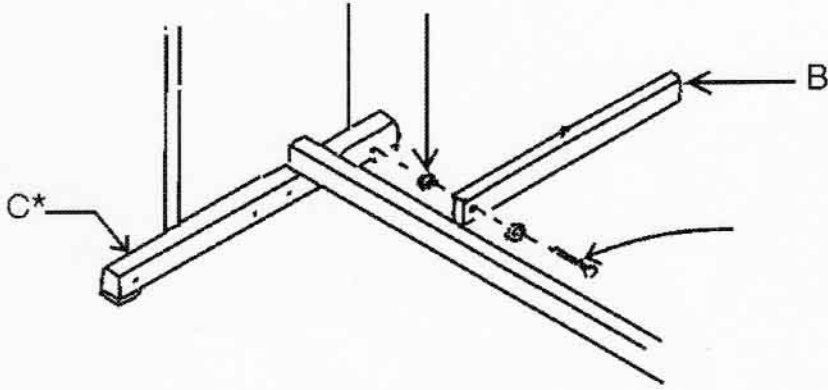
Fig. 19

Reposition the loom to its upright position
 Put two jack rubber strips (one on each side of the center of boards even with the end of the jacks).

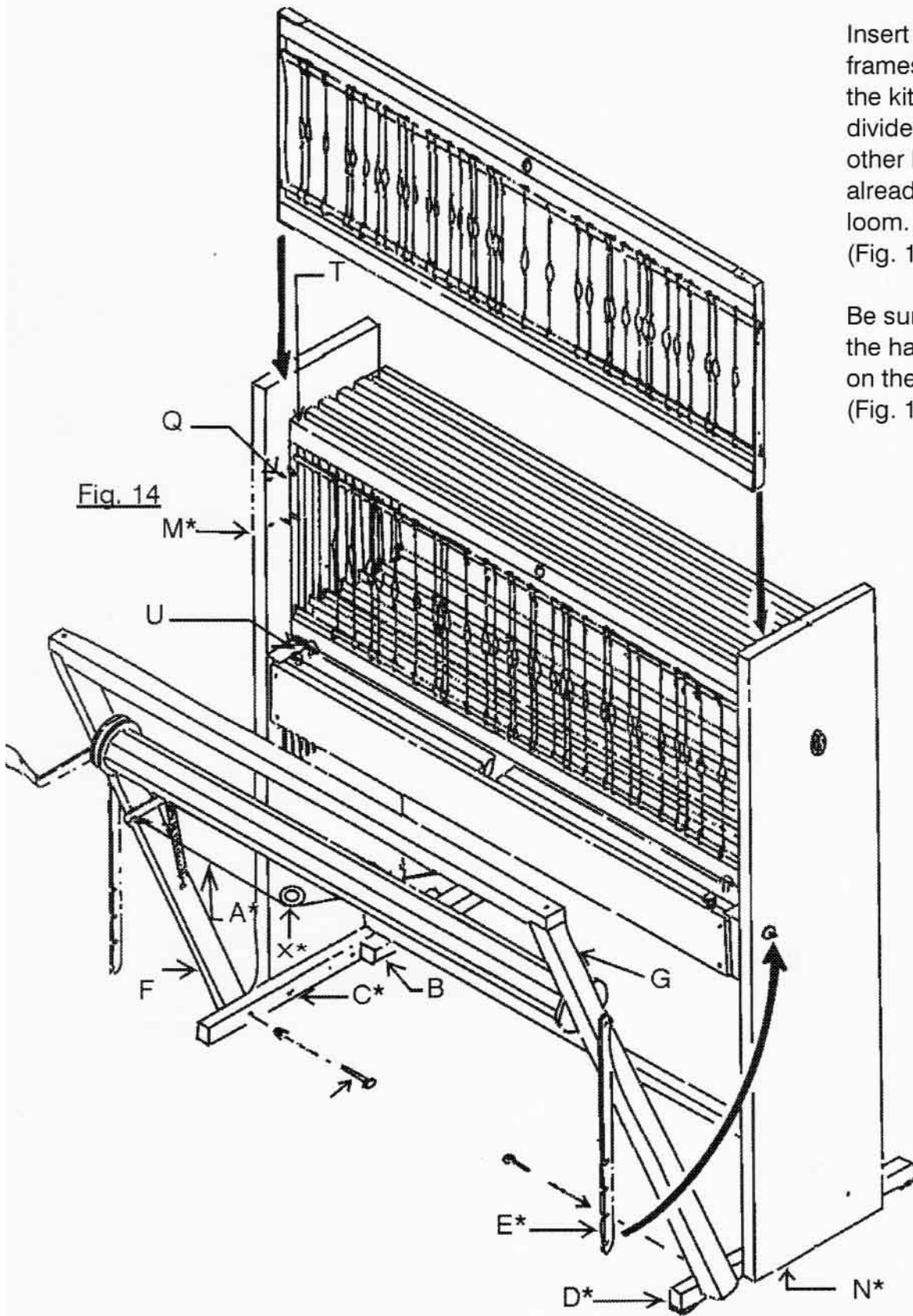
Pre drilled holes are normally not needed because the screws are very small but if you prefer, drill holes at these locations on the two boards with an 1/8" (3.17 mm) bit. (Fig. 18)

Then fix rubber strips with 4 3/4" round headed screws No 7 (Fig. 18 and 19)

Un-tape the jack box.



Affix brake treadle B to right-hand side base C* with a 2" (50 mm) roud-headed screw No 14. Place a 1/4" (6 mm) steel washer on either side of the treadle. The hook must be on top of the treadle. (Fig. 13)



Insert the four harness frames T* supplied with the kit between harness dividers Q and beside the other harness frames T already in place on the loom.

(Fig. 14)

Be sure that the bottom of the harness frames rests on the plastic supports U.

(Fig. 14)

Fig. 14

Using two 2 1/2" (65 mm) round-headed screws No 14, affix back posts F and G to bases C* and D*. (Fig. 14) Hook metal hooks E* to the screws of middle posts M* and N*. (Fig. 14). Hook brake cord A* to brake treadle B; pass the cord under the pulley X*

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

Slide shaft frames T between dividers.
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 attached.

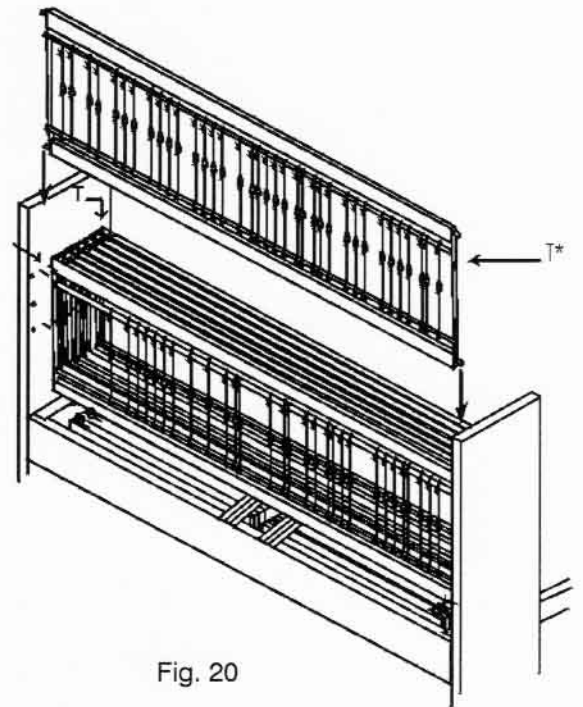


Fig. 20

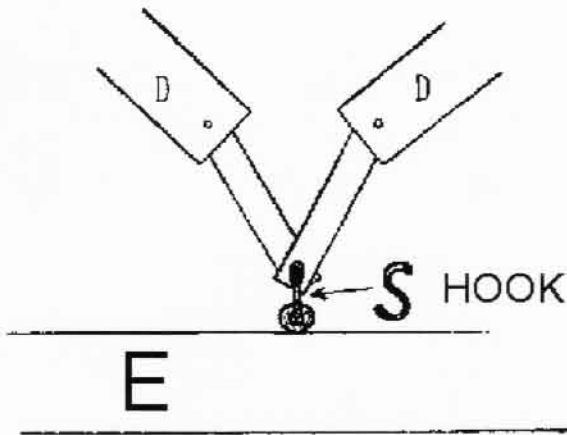


Fig. 21

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 the castle top on top of the middle wide post (castle).
Make sure to screw into the pre-drilled holes.

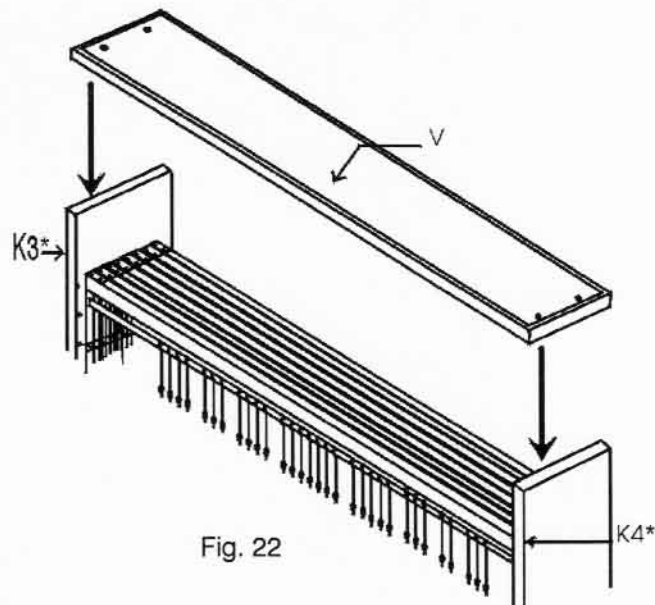
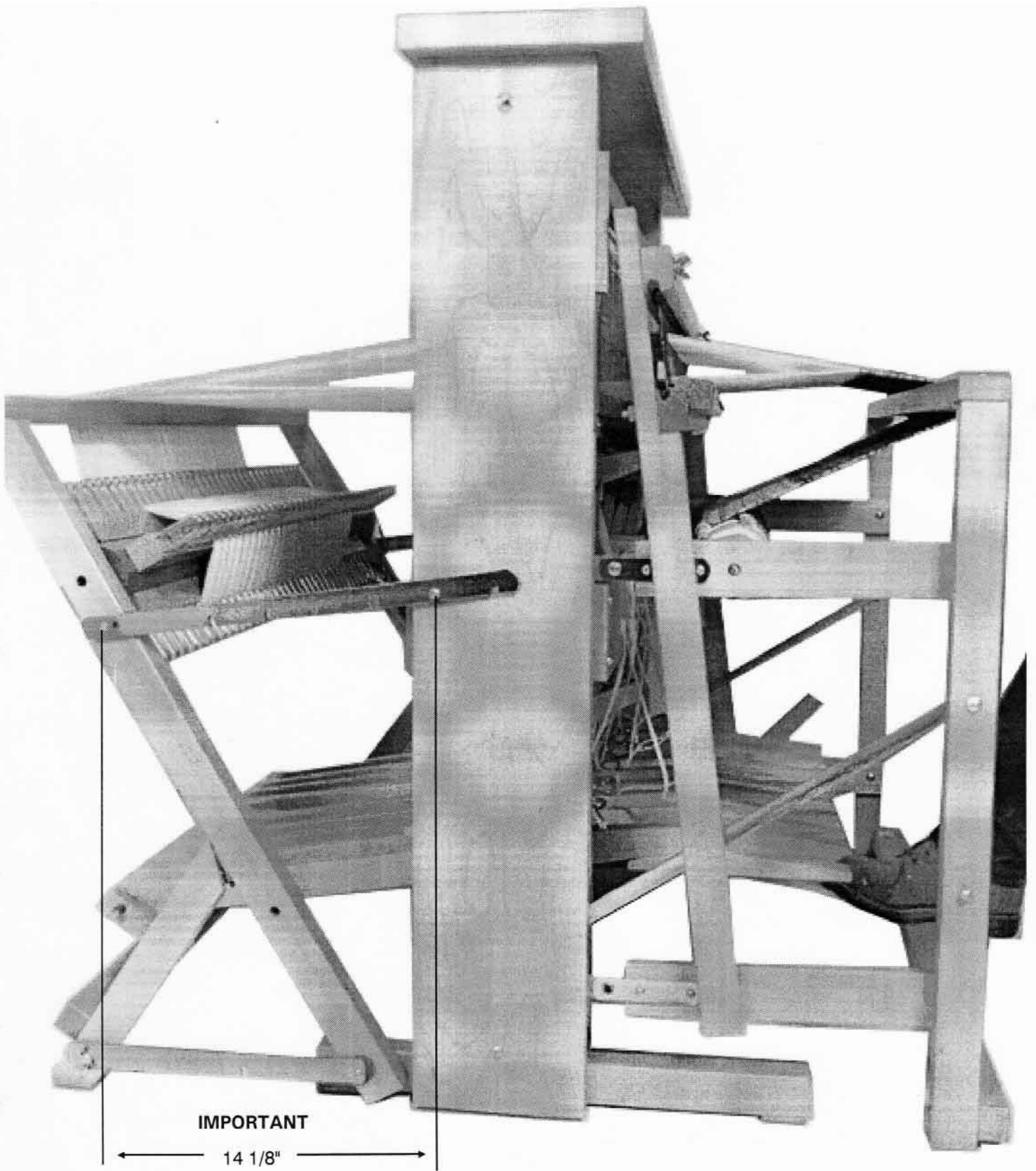


Fig. 22



IMPORTANT

14 1/8"

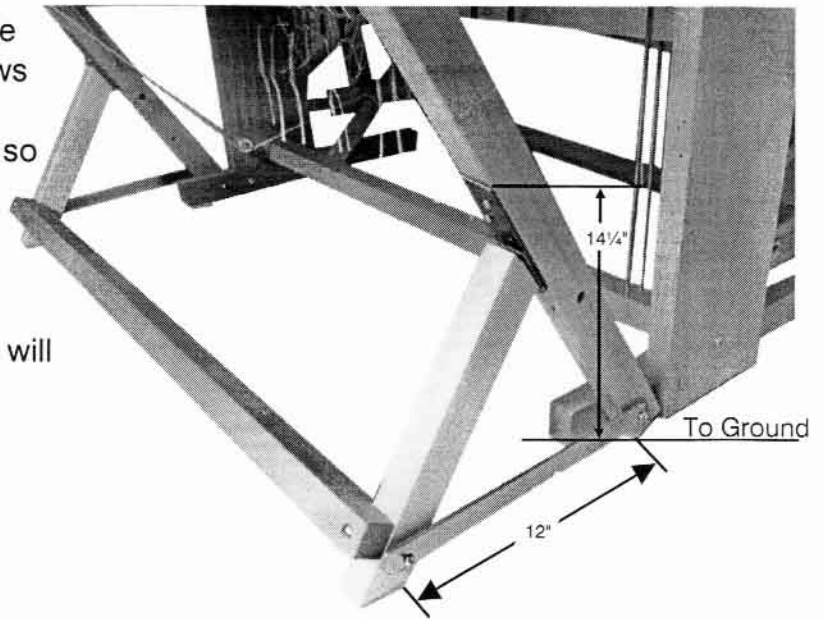
Remove the Breastbeam and both Warp Beams.

ATTACHING THE NEW STABILIZING ASSEMBLY TO THE LOOM

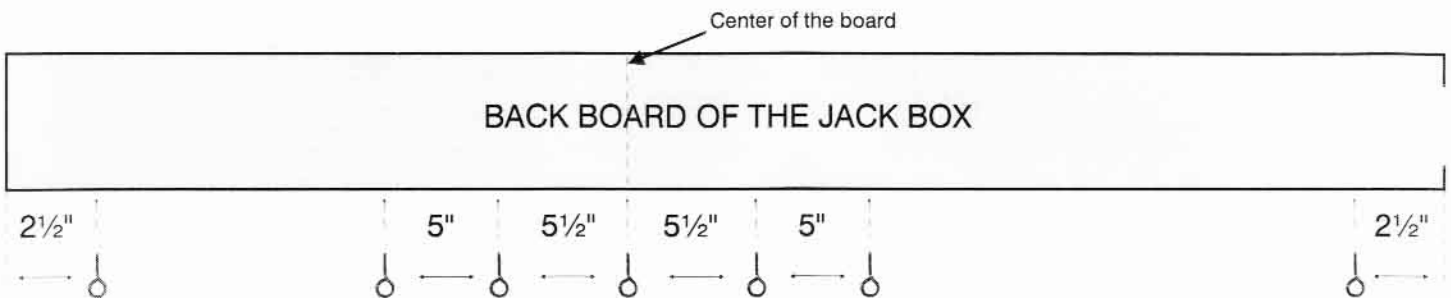
Install the new rear Stabilizing assembly to the Warp Beam Posts using 6 Round Head Screws #8 - 1"

Use a 1/8" Bit to drill holes on the back post so the stabilizing post will rest on the floor while touching the back post.

Using a 11/64" Bit, drill a hole on the outside of each Warp Beam Post so the metal hooks will be level after you insert a #12 1 1/2" Screw with brown plastic Washer and Anchor it. Plastic washer goes under the hooks.



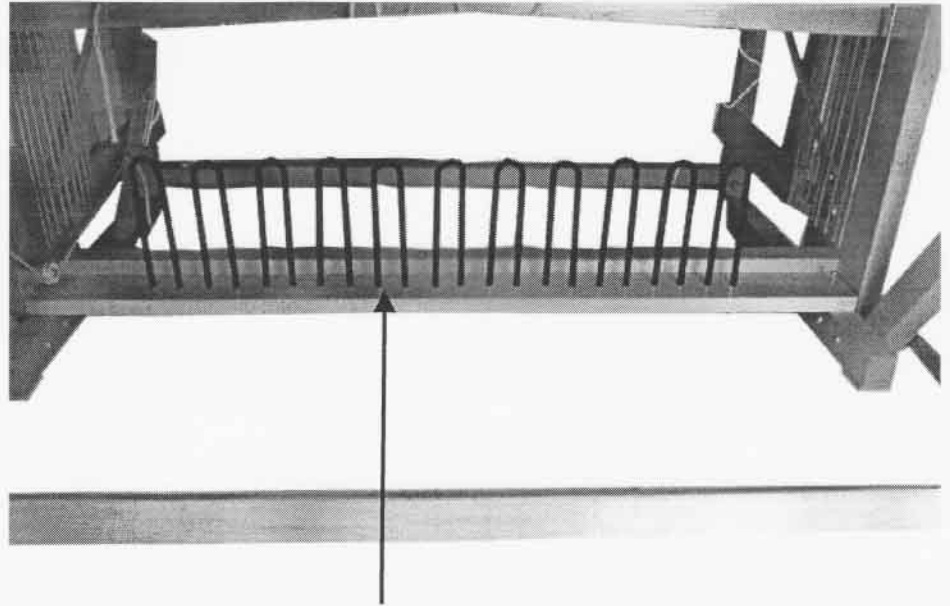
EYE SCREWS ON THE BACK BOARD OF THE JACK BOX



Using a 1/8" Bit, drill 7 holes for Screw Eyes as indicated in the bottom of the back board. Screw in the Eyes

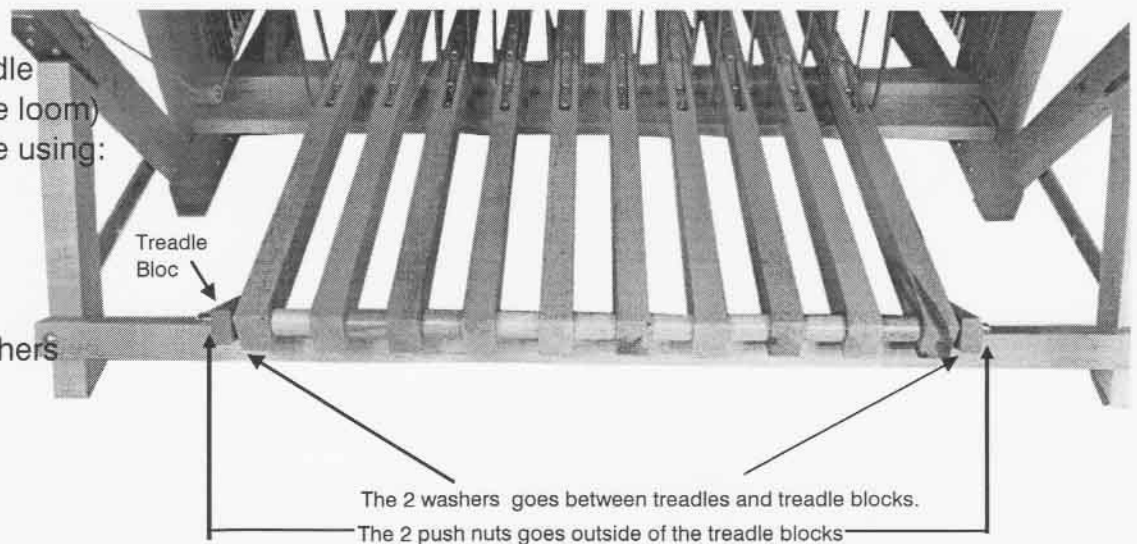
TREADLE SEPARATOR

Affix the Treadle Separator Board on top of the back of the side base.
pre-drilled holes in the middle cross-member using an 1/8" drill bit.
Affix the separator to the cross-member using 2 x 1 1/4" round-headed screws #8.



TREADLE SET ASSEMBLY

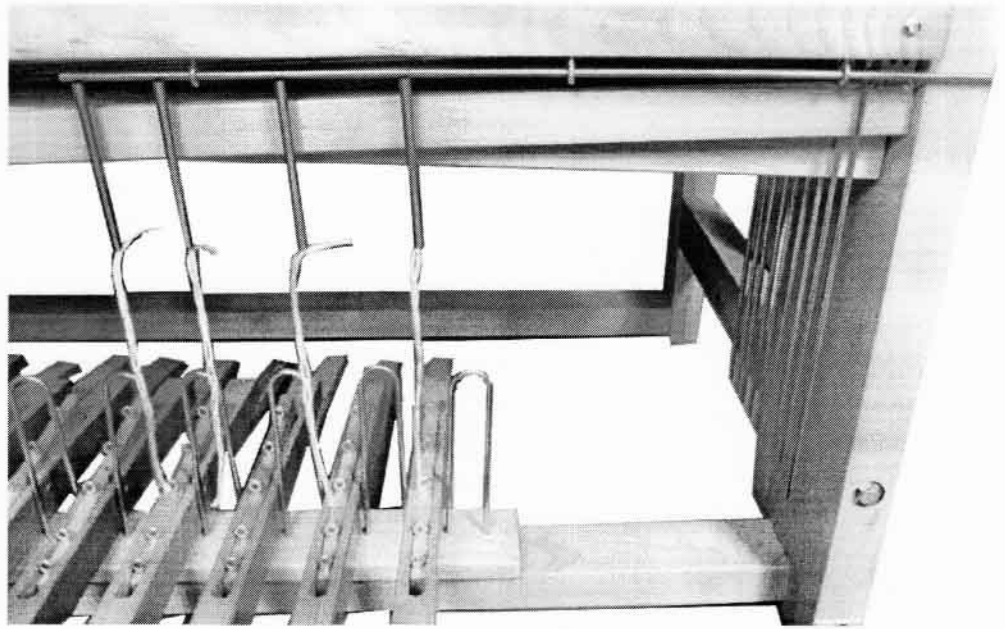
Assemble the treadle set (in or out of the loom) as shown in picture using:
1 treadle rod 28"
10 treadles
9 wood spacers
2 treadle blocks
2 x 9/16" steel washers
2 push nut 7/16"



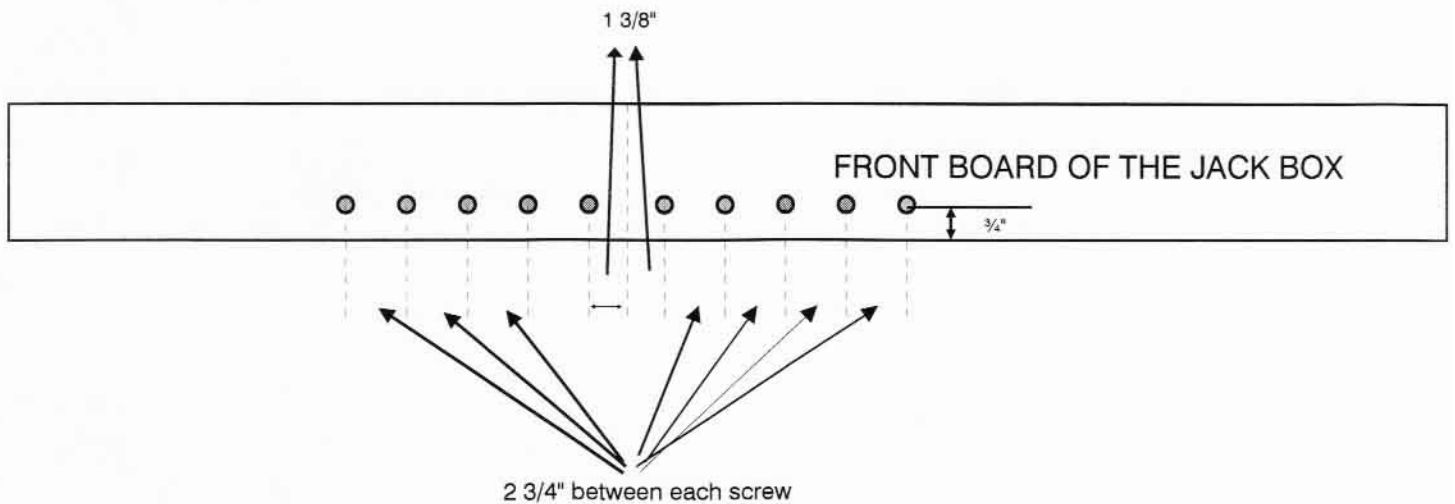
Affix treadle set to the treadle cross-member using:
2 carriage bolts 1/4" x 3 1/2"
2 washers 1/4" (under cross-member)
2 Wing nuts 1/4"

TREADLE SPRINGS

Insert the Spring Rod and Springs in the Screw Eyes below the Jack Back Board aligning one spring above each treadle.



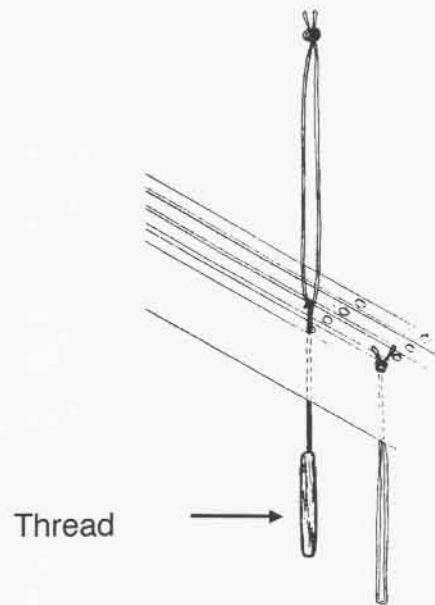
ANCHORS FOR TREADLE ROCKER CORD



The Treadle Rockers operate with a Loop Cord anchored from the Front Board of the Jack Box. Using an $11/64$ " Bit, drill 10 holes centered on the Front Board as indicated in the diagram. Screw in 10 #12 $3/4$ " Screws leaving the Head exposed to secure the Loop cord.

FIRST TREADLE TIE-UP

Select any treadle and tie the Lams to the Treadles using the 6.5" cords supplied with the loom. Take the threading hook to help pass the cord through each hole of the lam.

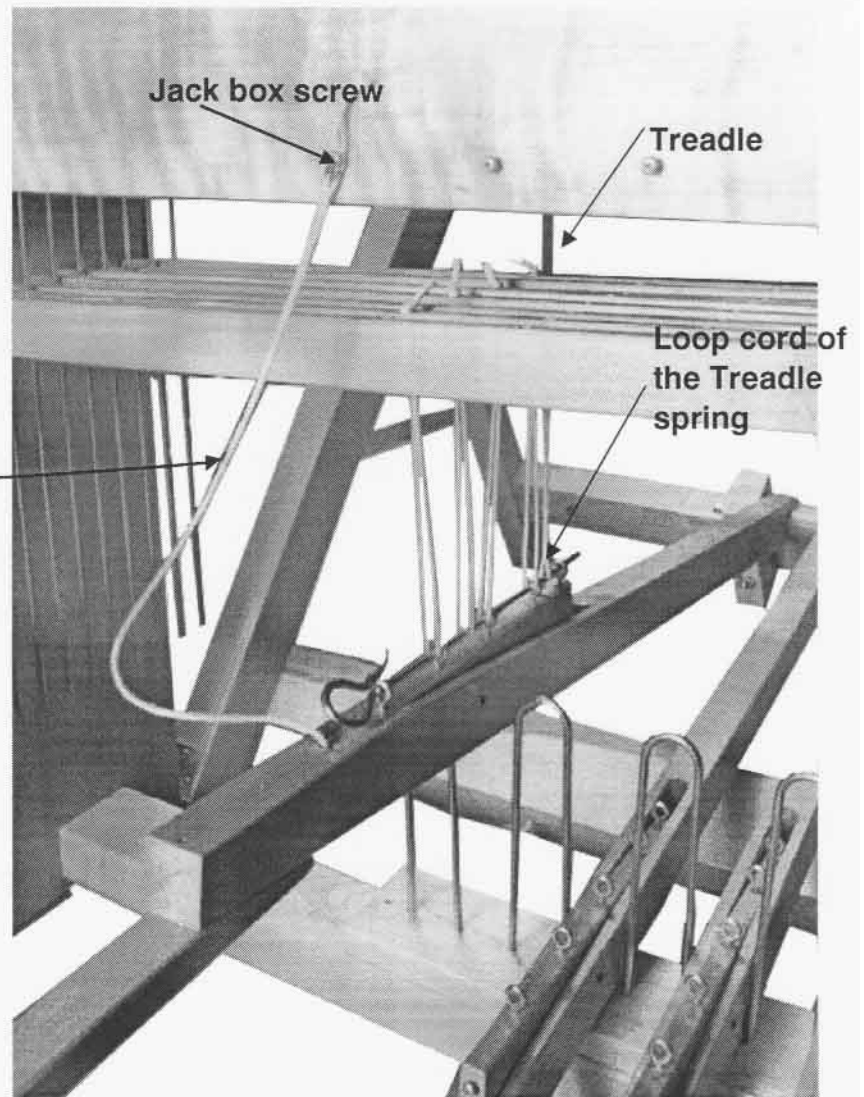
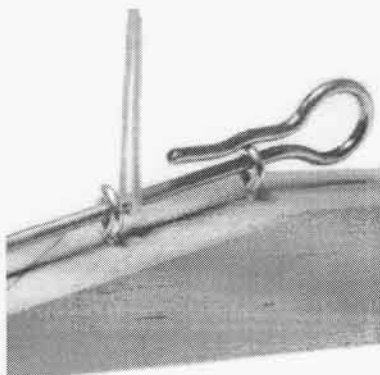


TREADLE HOOK AND ROCKER LOOP CORD

Slide the Treadle Hook through the Screw Eyes and Cord Loops. Before the last Screw Eye, insert the Hook through the Treadle Spring and secure. In the Treadle rest position(up) there should be no or very little tension on the Spring. However slack on those cords is not desirable. When all treadles are tied up, they should be at the same height.

Rocker loop cord

Install the Treadle Rocker Loop Cords on the Anchors(Screw Heads) using the marked points at the Anchor.

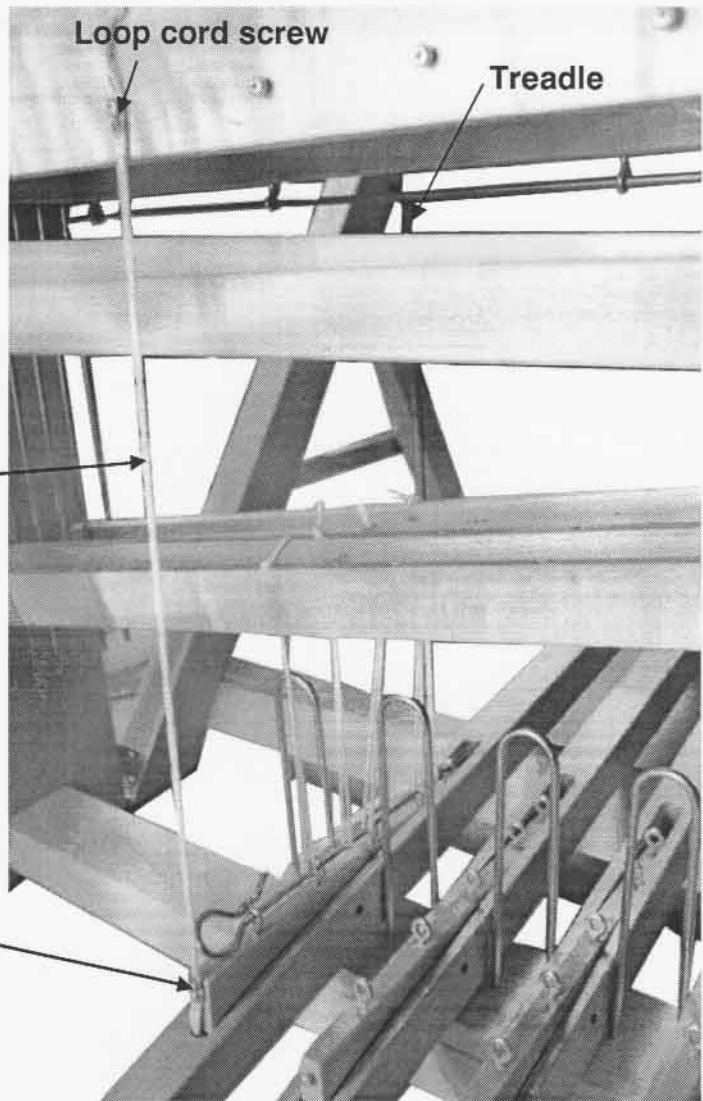


FIRST SHED

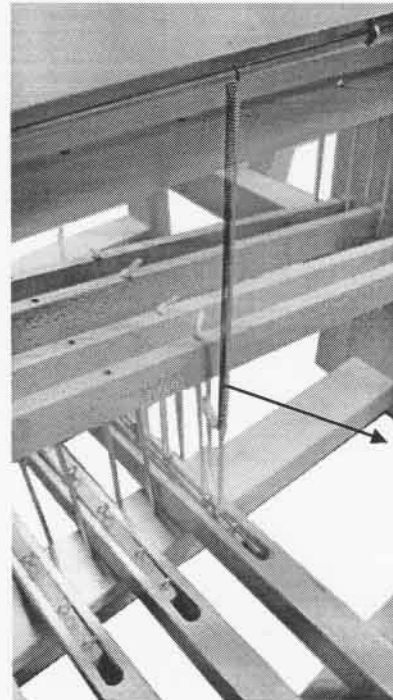
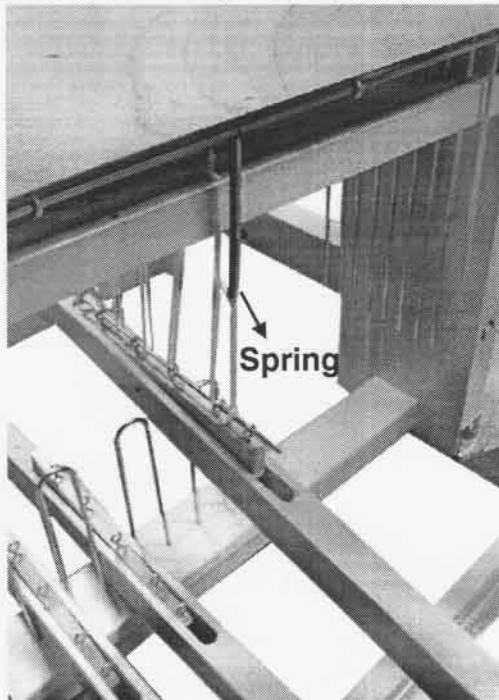
When you depress the Treadle, the Rocker Loop Cord raises the front of the Rocker, setting the Shafts at the correct Level.

Rocker loop cord

Rocker screw



VIEW FROM THE BACK OF THE LOOM SHOWING THE TREADLE AT REST POSITION AND DEPRESS



ADJUSTING THE SHED

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 of the Shed should just kiss the Race Plate and the top of the Shed should be uniform across the width of the Loom.(see diagrams for examples)

Fig. 34 shows an uneven Shed caused by Rocker Loop Cords being out of adjustment.

Fig. 35 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.

HAPPY WEAVING

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

