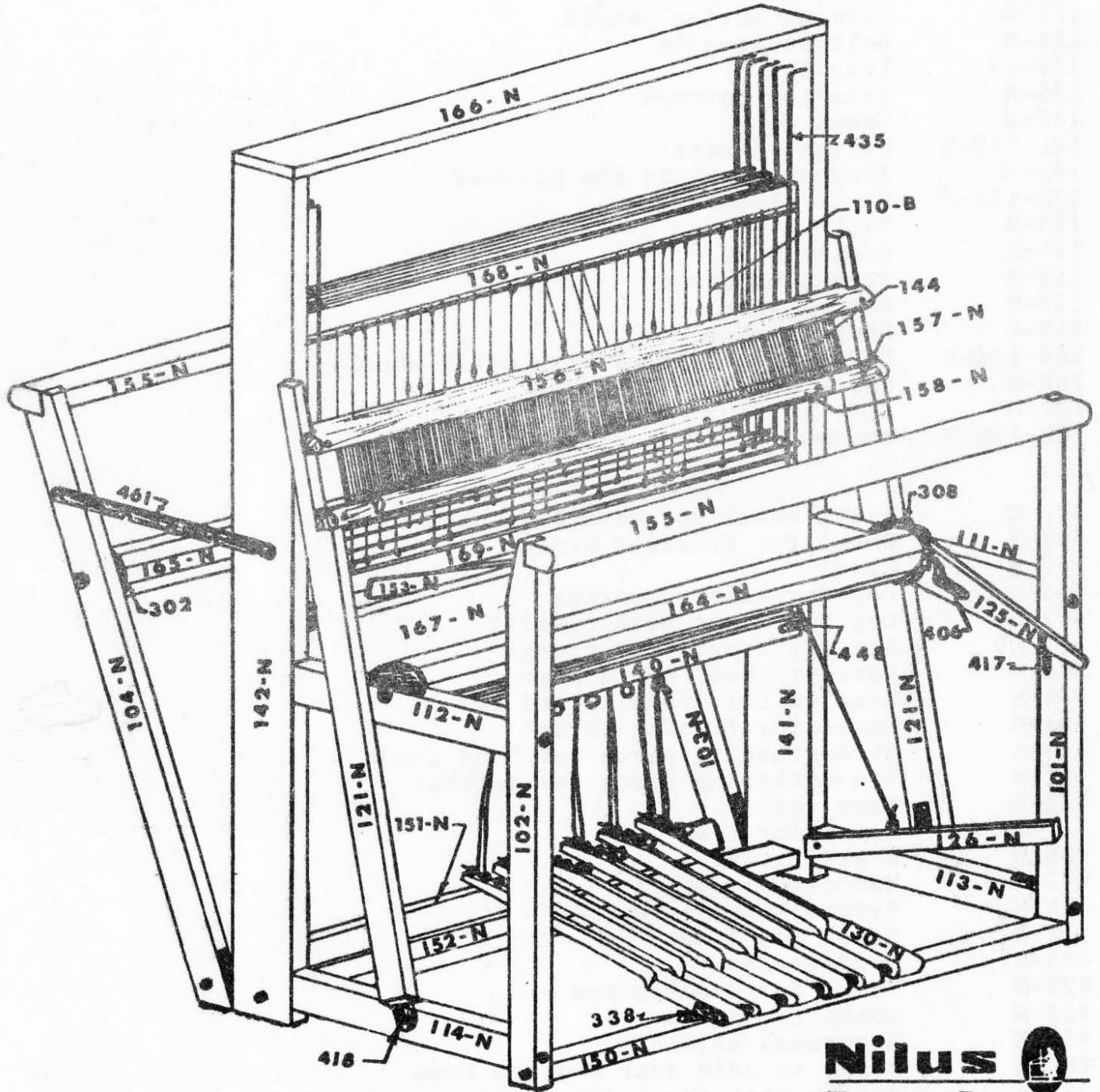


# "NILUS" LOOM

INSTRURCTIONS



**Nilus**  
**Leclerc**  
INC.  
L'ISLETVILLE, QUEBEC, CANADA

For any repair piece, always give number following illustration on cover. Price on request.

"NILUS" LOOM 4 harnesses

WOODEN PIECES

101-102-N	Front posts
103-104-N	Rear posts
111-112-N	Cross beams
113-114-N	Cross beams
121-N	Batten swords
123-N	Board to center dog
125-N	Take-up motion handle
126-N	Release treadle
130-N	Treadles
135-N	Treadles spacers
140-N	Lamms
141-142-N	Upright pieces
145-N	Stopper supports for harness
150-152-N	Cross pieces
153-N	Jacks
155-N	Breast beam
156-N	Batten handtree
157-N	Batten sley
158-N	Shuttle race
164-165-N	Cloth & Warp beams with metal wheels
166-N	Cover board harness box
167-N	Side for box of jacks
168-169-N	Wooden stick for harness frame

METAL PIECES

302-N	Plain wheel for beam left hand side
303-N	Wheel for friction brake
304-N	Crank
306-N	Dog for take-up motion
307-D	Dog for front beam (short)
307-LD	Dog for front beam (long)
308-N	Ratchet wheel cloth beam
338-N	Bracket for treadles and rod
404-N	Hooks for treadle cords
406-N	Strengthening piece for hand crank
407-N	Strengthening piece for ratchet
410-N	Warp rod
412-N	Latch for beam
415-N	Brake spring
417-N	Handcrank support
418-N	Batten sword hardware
421-N	Steel end frame
422-N	Heddles rod
426-N	Hooks for heddles rod
427-N	Hooks for lamms
435-N	Harnesses slides
461-N	Hooks to hold rear beam on loom
55	Spring hook for heddles rod

Join front part of the loom to the center part. The cross pieces 111-112-113-114-N have small projections on their ends called tenons which fit into the mortises of upright pieces 141-142-N of center part of loom. Fig. 1.

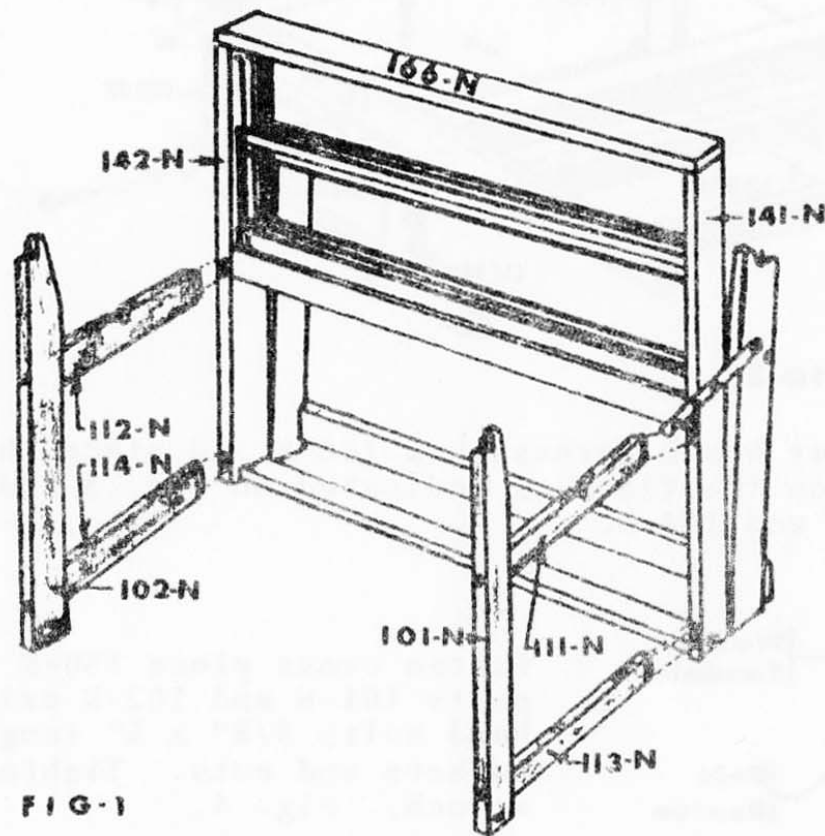


FIG-1

Fix the cross piece 150-N between the front posts 101-N and 102-N the unvarnished side face underneath. (Fig. 2).

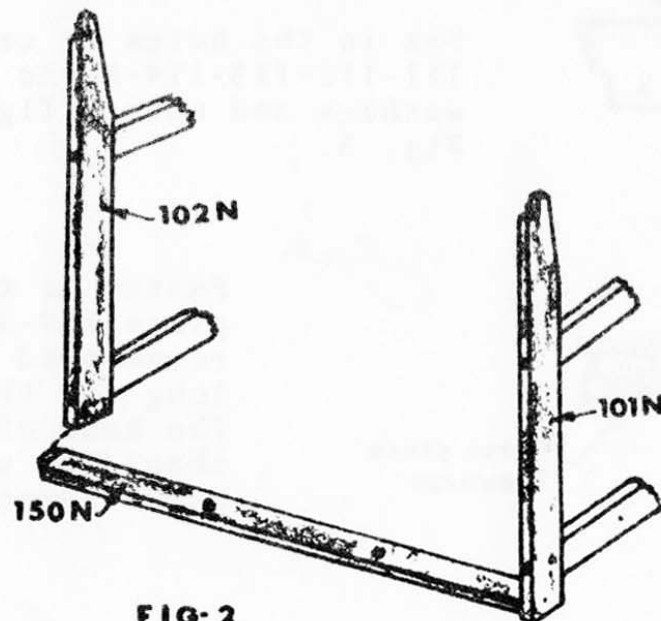


FIG-2

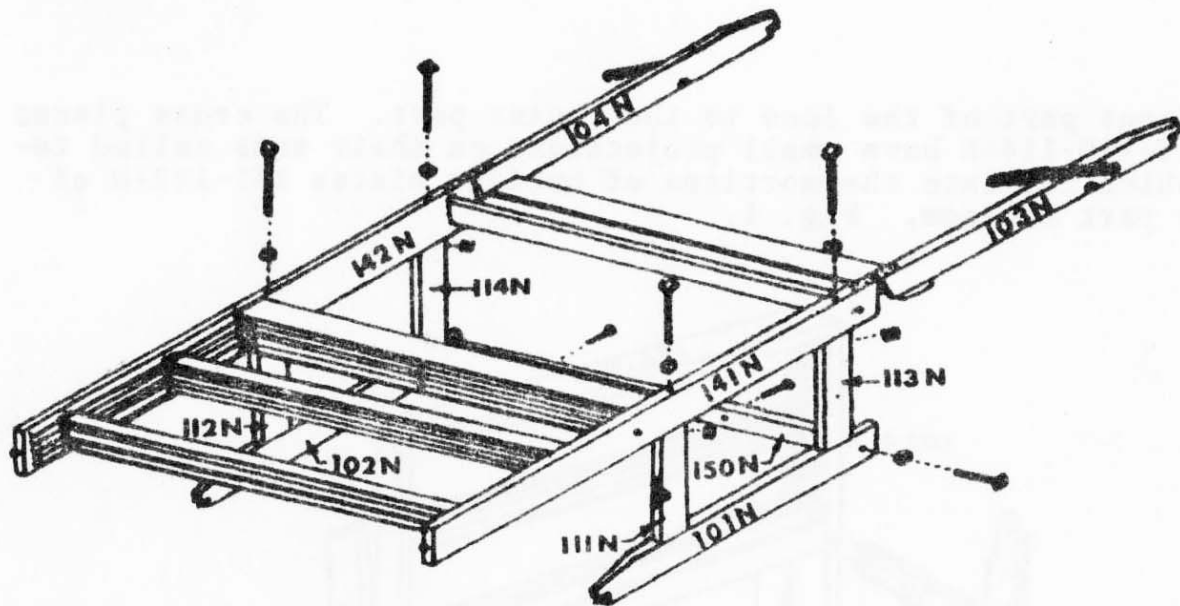


FIG-3

Take off the cover board harness box 166-N and place the posts 101-N and 102-N on the floor as indicated on Fig. 3 and open the rear posts 103-N and 104-N.

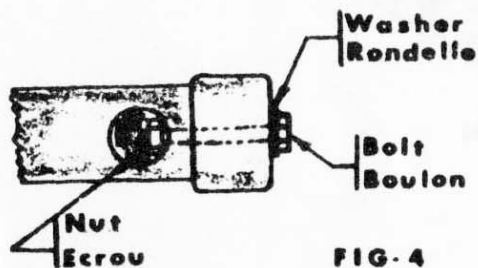


FIG-4

Fasten cross piece 150-N to front posts 101-N and 102-N using square head bolts  $\frac{3}{8}$ " x 5" long with washers and nuts. Tighten with wrench. Fig. 4.

Nuts to be placed on holes underneath of cross piece 150-N.

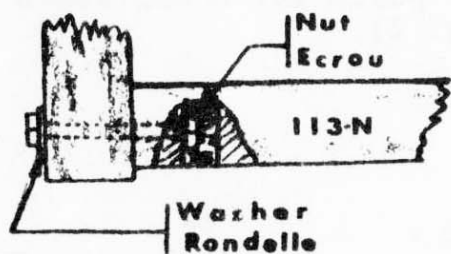


FIG-5

Fix in the holes of cross beams 111-112-113-114-N the 6" bolts with washers and nuts. Tighten firmly. Fig. 5.



FIG-6

Fasten to the cross piece 150-N the two round head bolts  $2\frac{1}{2}$ " long for the treadle set. The head of the bolts should be under the loom. Use a hammer. Fig. 6.

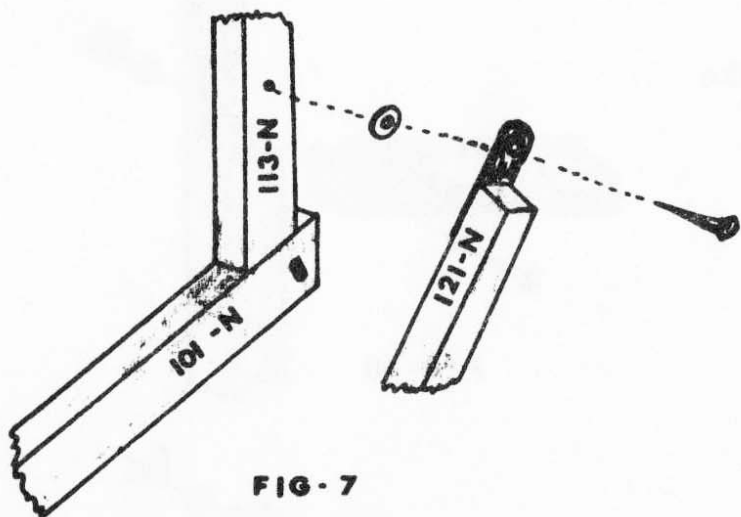


FIG-7

Attach the batten swords 121-N to the side cross beams 113-N and 114-N with square head wooden screws 1- $\frac{1}{2}$ " long. Be careful to put one washer between the metal attachment and wood to prevent rubbing. Do not tighten the bolts too much so the batten moves freely. Fig. 7.

Turn the loom right side up.

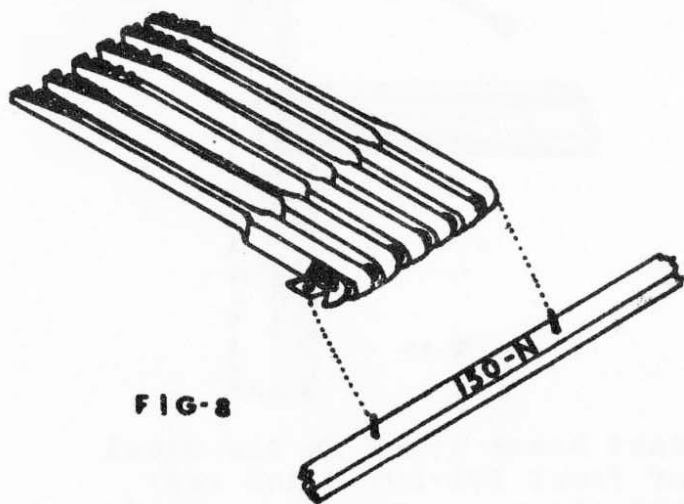


FIG-8

The treadles are connected to the bottom cross piece 150-N by placing the metal attachment over the bolts already fixed.

Fasten nuts on the bolts without using washers. Fig. 8.

Insert the take-up motion handle 125-N to the ratchet wheel of front beam 164-N. Then lift the ratchet dogs and place the front beam in the grooves of cross beams 111-N and 112-N. Fig. 9.

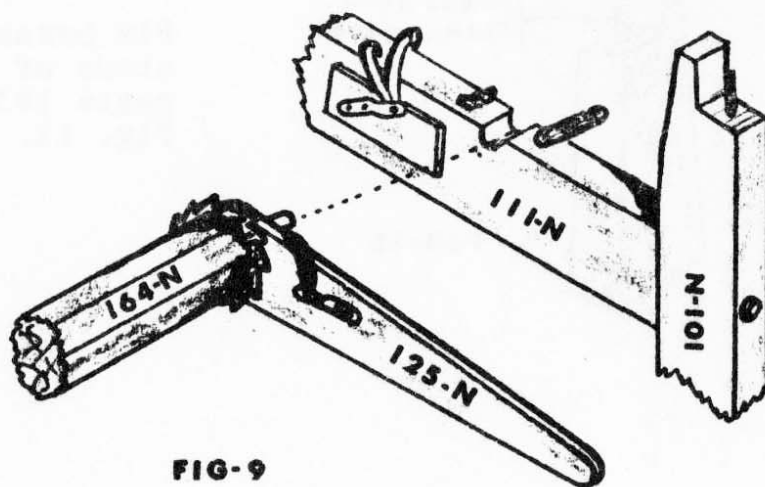


FIG-9

To assemble the beater, first take batten sley 157-N without rubber bumpers and fix it to the swords 121-N with bolts 5/16" x 2-1/2", washers and nuts. Fig. 10.

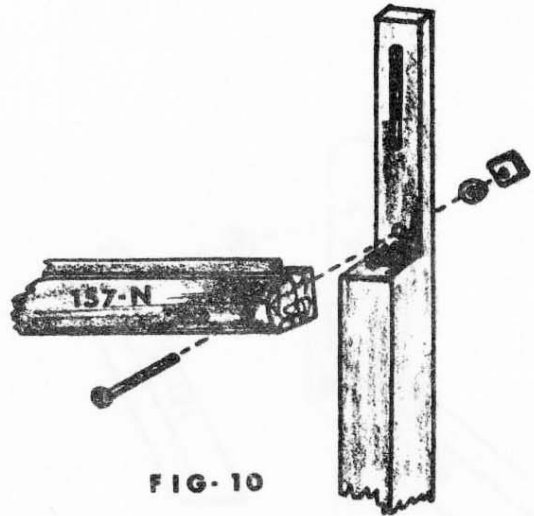


FIG-10

Fix batten handtree with rubber bumpers towards the grooves of batten swords 121-N. Use bolts 5/16" x 2-1/2" with washers and wing nuts. Fig. 11.

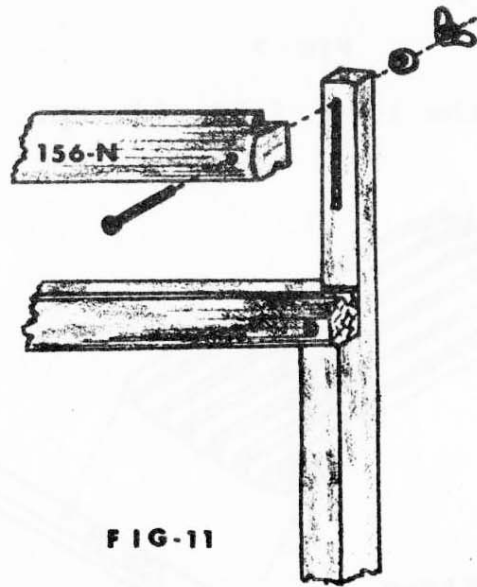


FIG-11

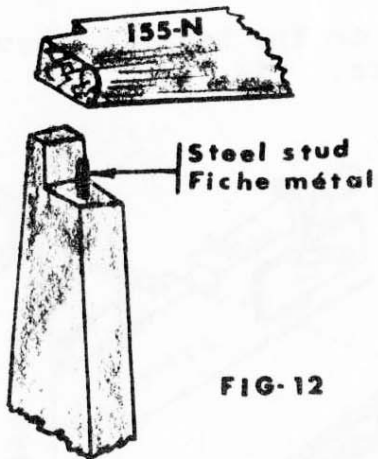


FIG-12

Fix breast beams 155-N in the steel studs of front 101-102-N and rear posts 103-104-N, round edge outside. Fig. 12.

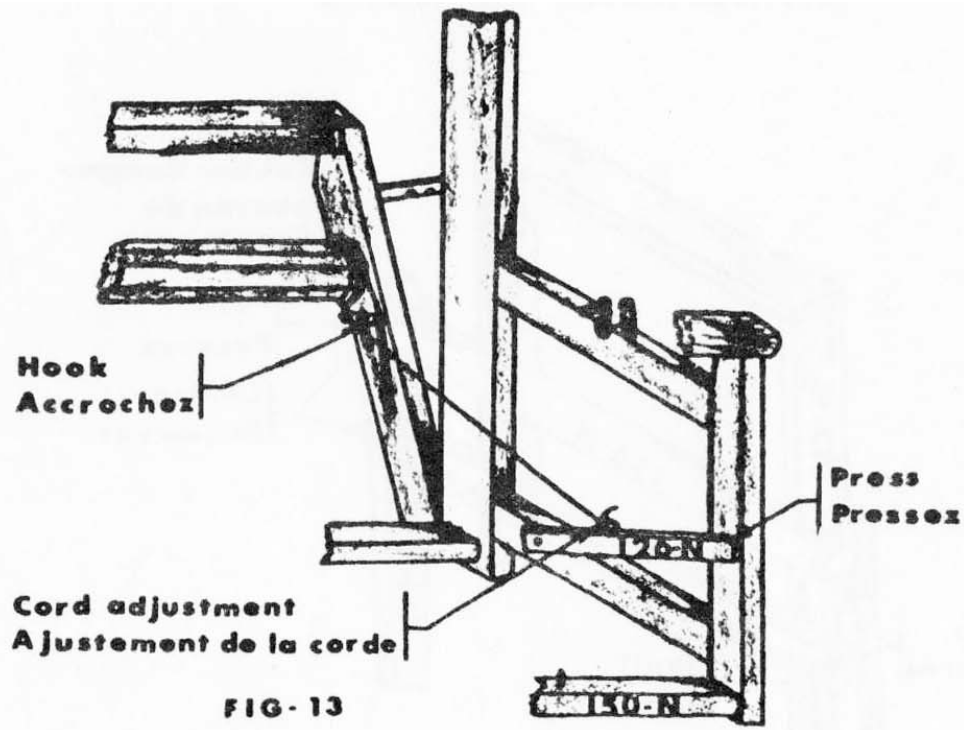


FIG-13

To fix the back beam 165-N, you should first fix the large metal drum inside the steel wire spiral, then fix the beam in the grooves of rear posts 103-N and 104-N.

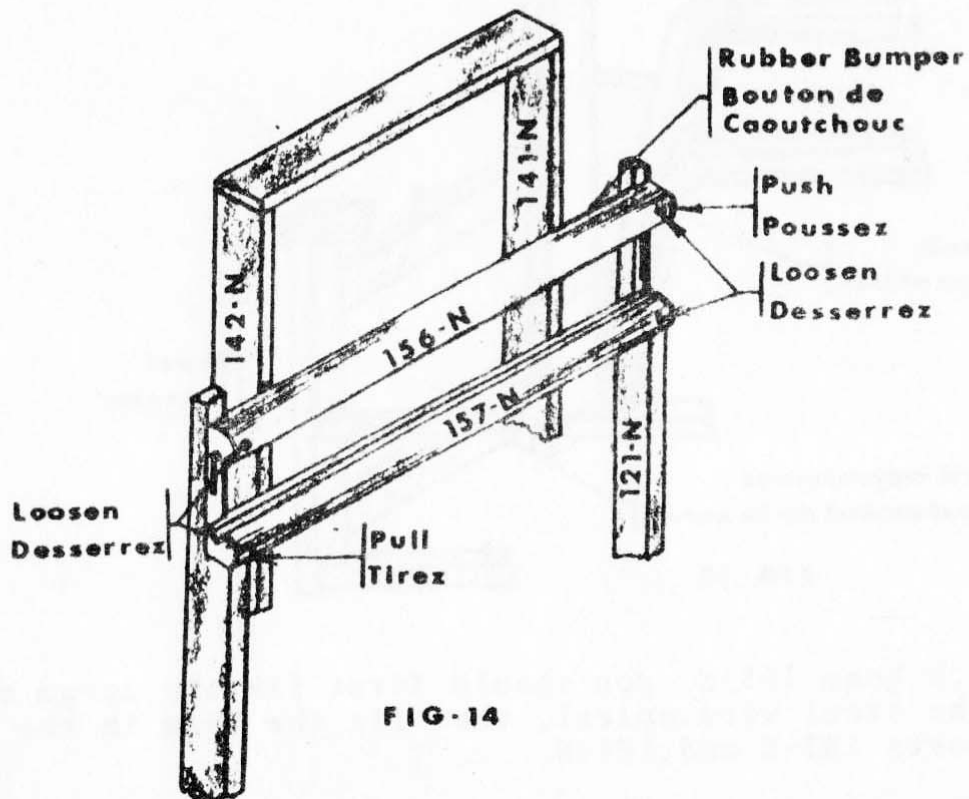
The cord of the automatic brake is already attached to the lever 126-N, and to hook the spring to the wire circle without difficulty, all you do is press down the lever to the cross piece 150-N. Fig. 13.

Refer to "Warp and Weave" booklet for further information on:

How to remove harnesses .....	23
How to put heddles in frames.....	9
Tie-up system.....	12
Friction brake.....	65



## STRAIGHTENING THE BEATER



Check if the rubber bumpers touch equally to the loom upright pieces 141-N and 142-N. If not, loosen the bolts of batten handtree and batten sley 156-N and 157-N and force them in proper position. Tighten the bolts and check again. If not correct, start again, but force them up to the time it makes a small noise and tighten again. Fig. 14.