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## DUAL PURPOSE

PICNIC  
TABLE

## &amp; BENCHES



(Photo No. 1)

It's a picnic table! It's a pair of benches! You get double-use, double-fun, from this unusual combination picnic table that readily converts into two attractive benches. Only standard materials available at any local lumber dealer are used in its construction.

Cut the table and seat legs and the horizontal seat supports from 2 x 4 stock. Angle cuts on these pieces are made on the saw by setting the miter gage at 72°. Be sure to round off the top corners of the table legs to allow the table top to swivel, (see drawing). Also make a  $\frac{13}{16}$  inch deep notch in the table leg to receive the rear 2 x 4 stretcher. This stretcher is bevel notched on each end (Fig. No. 3) to support the table top when the top is in a horizontal position (see Fig. Nos. 1 and 4). Scrolled portions of the seat support and the table top support can be cut on the band saw or scroll saw, see Fig. No. 2 for cut-out details. Assemble the two legs and seat supports with  $\frac{5}{16}$  x  $3\frac{1}{2}$  inch carriage bolts. Seat planks are full size 2 x 10's. The table top planks are dressed down to  $8\frac{7}{8}$  inches wide. A  $\frac{1}{4}$  inch gap between the planks will give you an 18 inch top. When the two tables are placed side by side (Photo No. 1) they will make up a 36 inch picnic table top. The seat planks as well as the top planks have an  $8\frac{1}{2}$  inch overhang at the ends. Drill the bolt holes in the planks first. Lay these planks over the leg assemblies and mark off the hole locations with a scratch awl for drilling.

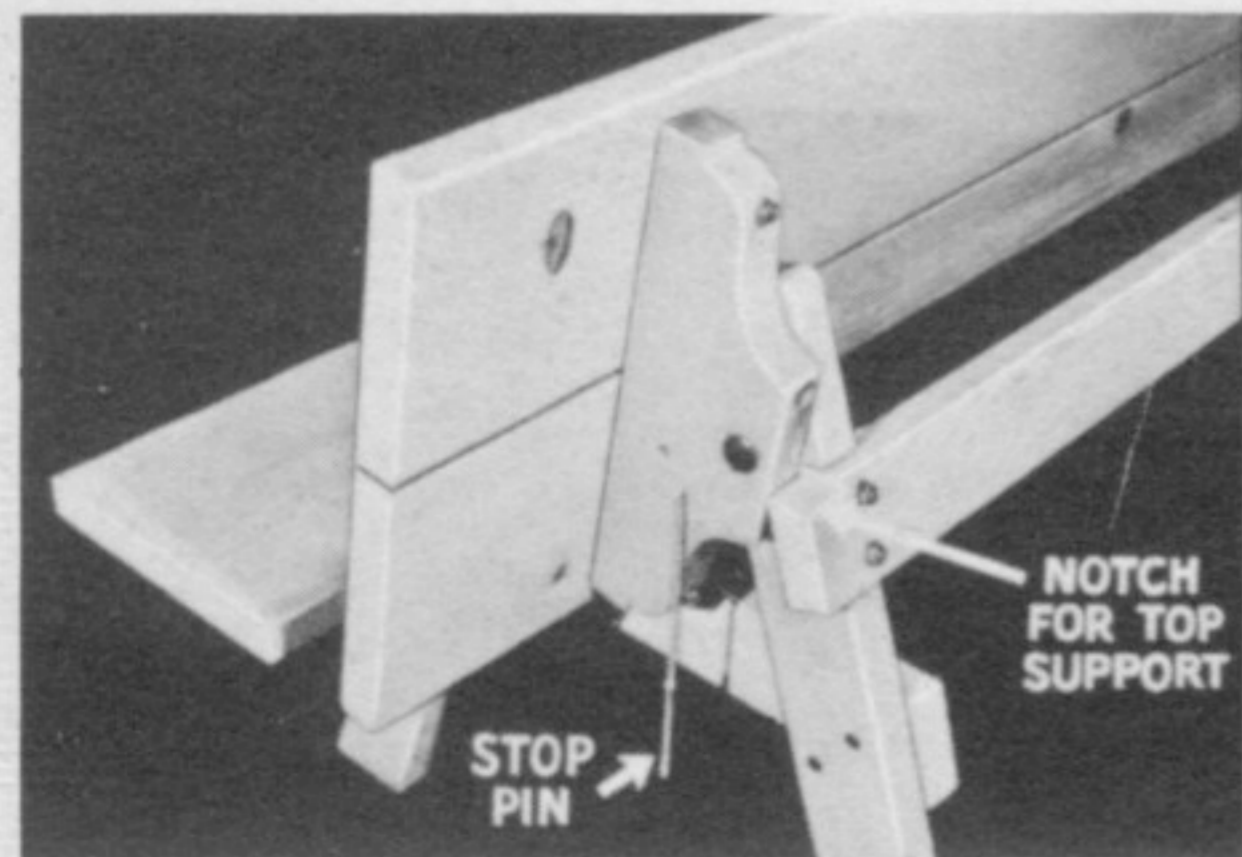
Be sure to break all sharp corners by rounding them on the shaper or circular saw. The cutters used on the circular saw are the Delta #35-103 mounted in the #265 Moulding Cutterhead (Photo No. 8).

Sand the project thoroughly and apply a coat of wood preservative before applying any finish. Leave natural by applying two or three coats of spar varnish. For a painted finish use a coat of outside undercoat and two coats of enamel. White with green trim makes a very attractive color combination.



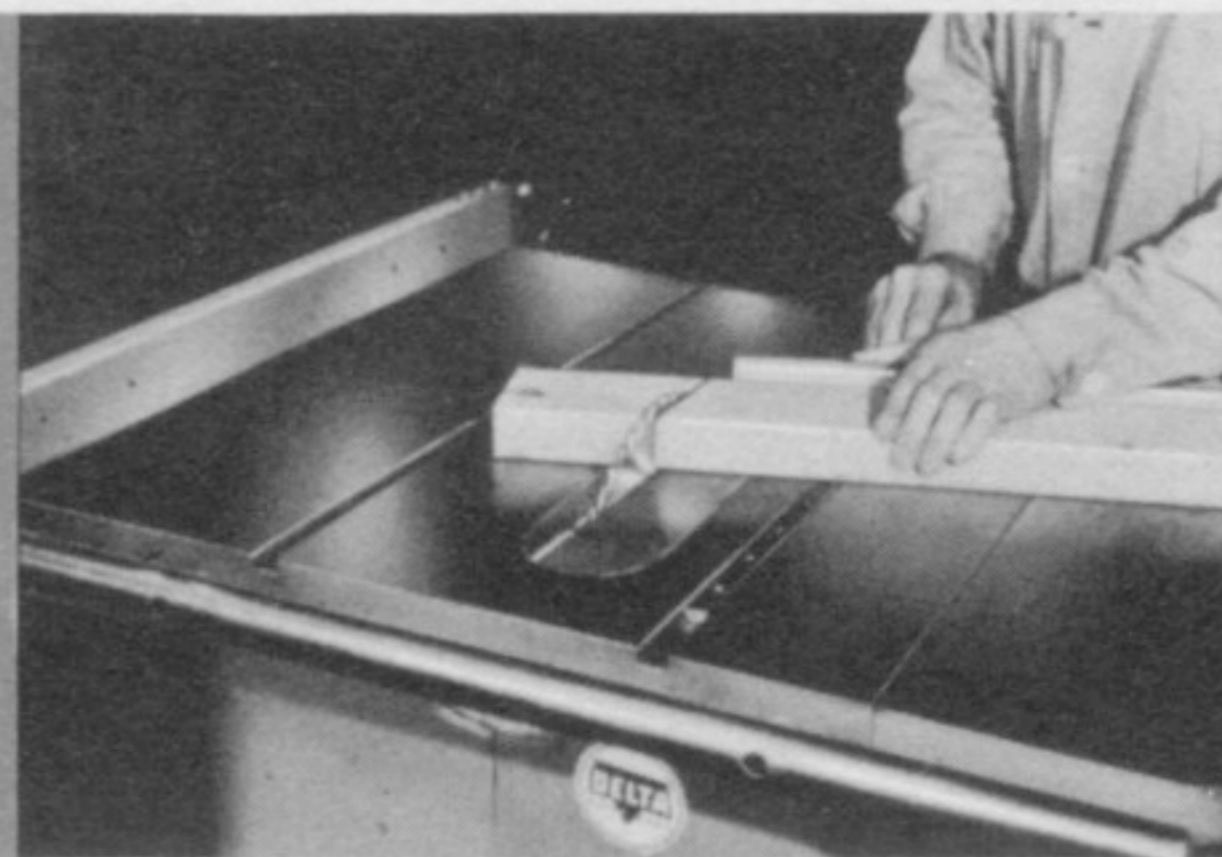
(Photo No. 2)

The top photo shows the two sections placed side by side to form a 36 inch wide picnic table. In the lower photo the tops are tilted to make up individual benches.



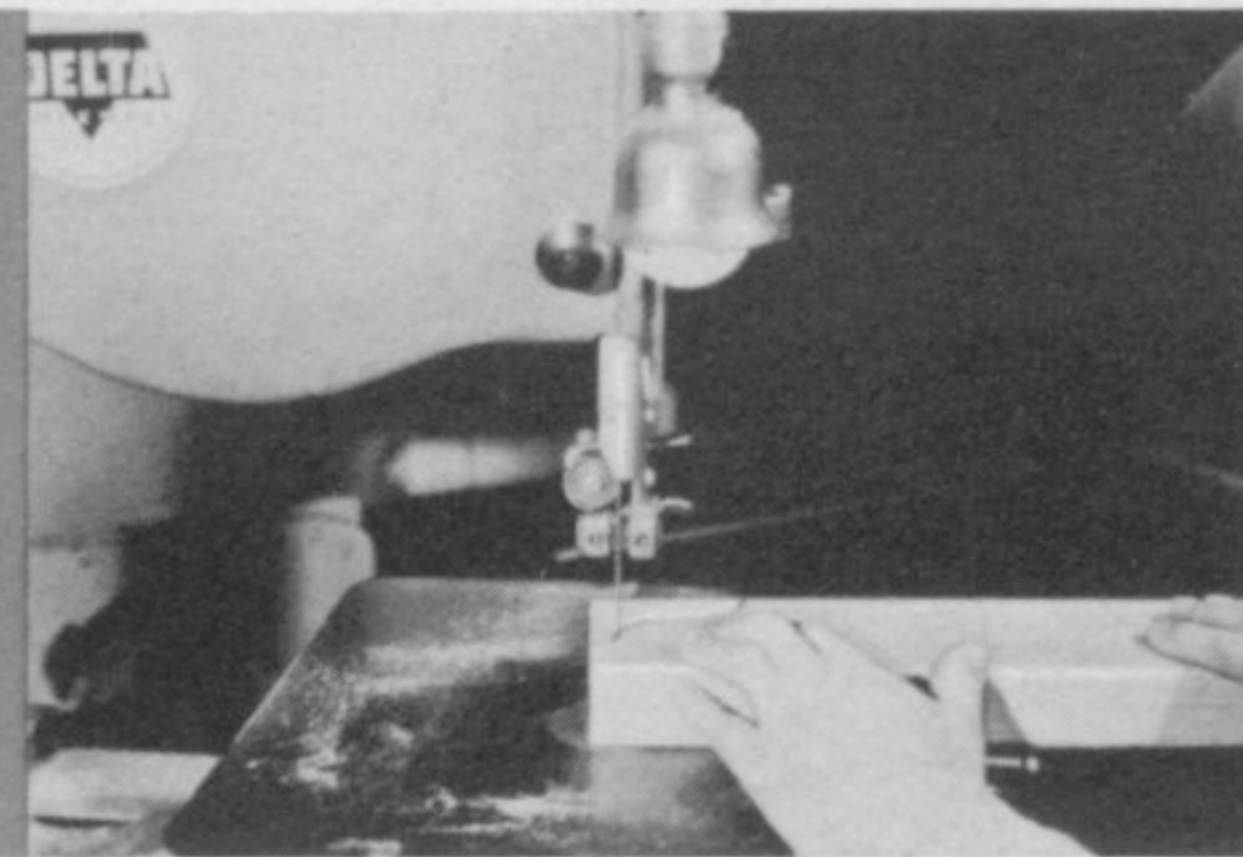
(Photo No. 3)

Here is a close-up of the top tilted when used as a bench. Note the steel pin fastened to the top support with a light chain. Inserting the steel pin through the top support and rear leg keeps the top in a level position. Also note the bevel notch in the rear brace.



(Photo No. 4)

The angle cuts on the seat legs and table legs are made on the circular saw with the miter gage set at an angle of 72°. Note the auxiliary fence mounted to the miter gage body.



(Photo No. 5)

The scroll design end of the seat supports should be cut on the band saw with a skip tooth blade to assure a smooth cut. If an ordinary blade is used, the curved portion can be sanded on the drill press with a Delta #835 Sanding Drum.



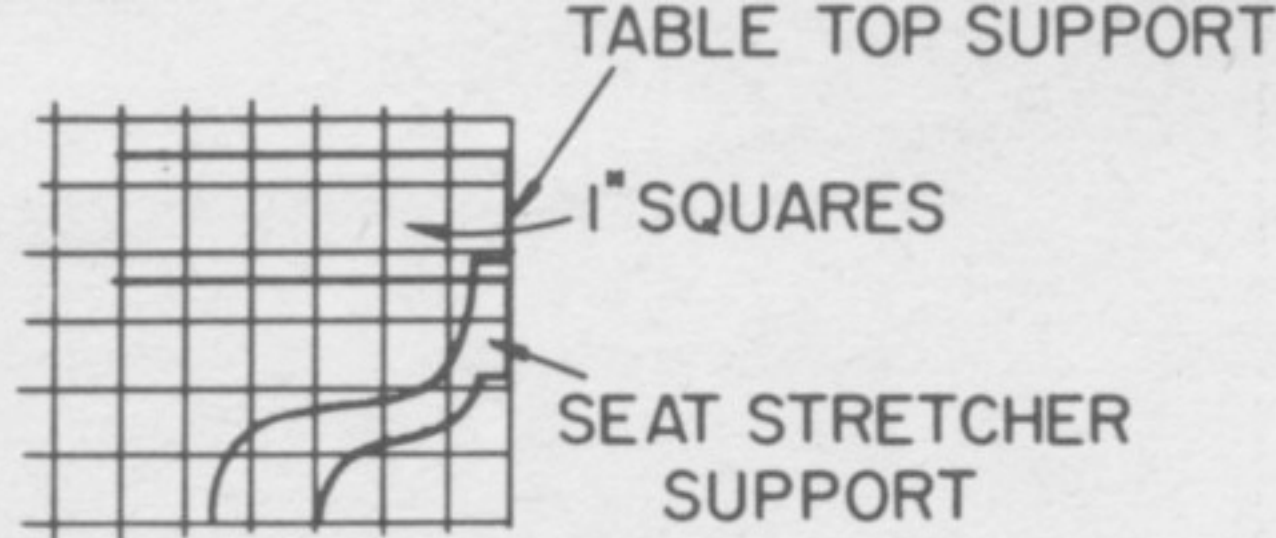
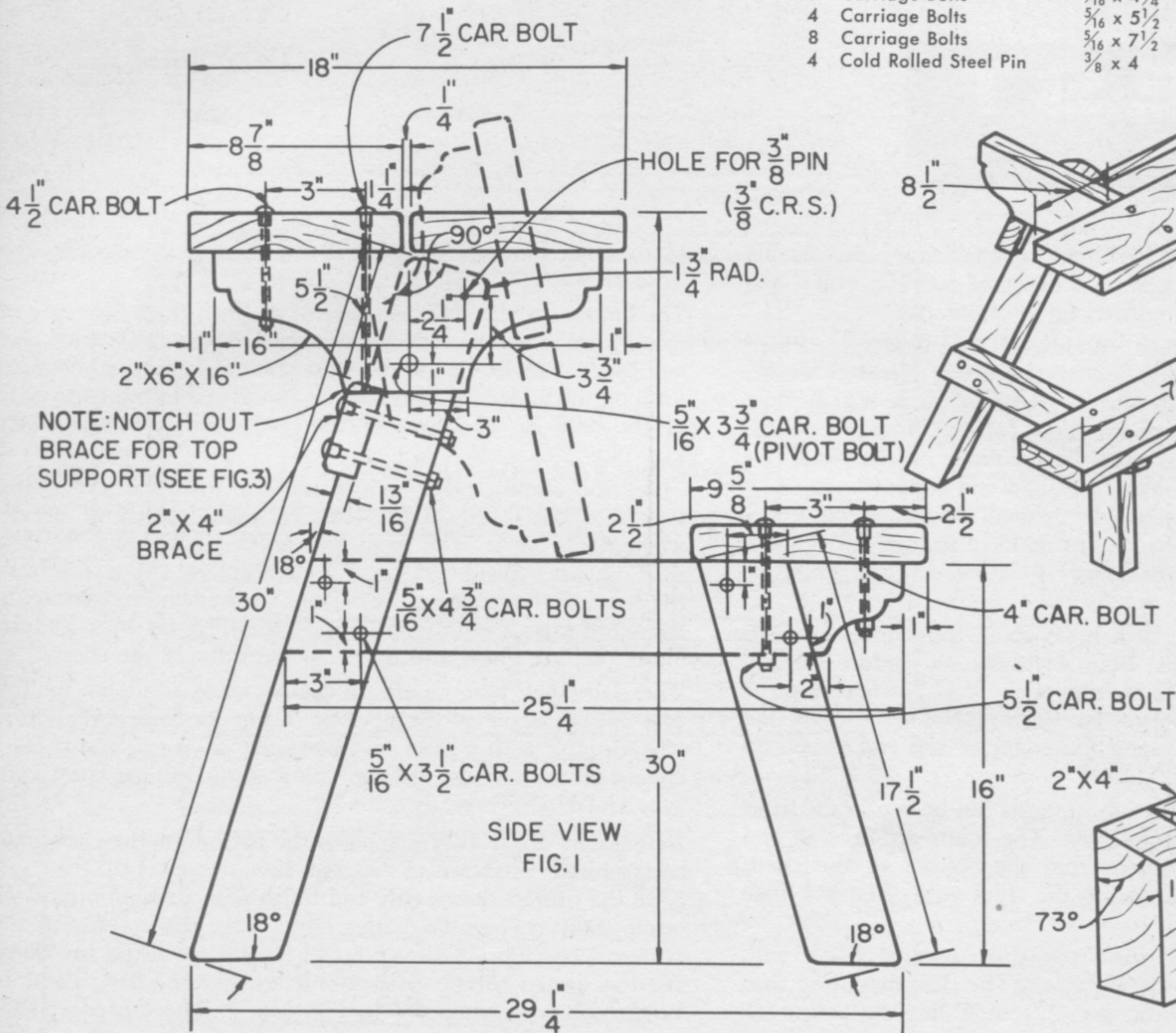


FIG. 2

**BILL OF MATERIALS**

No. of Pieces	Name	Size
4	Front legs (For Seat)	2 x 4 x 17 1/2
4	Back Legs (For Table Top)	2 x 4 x 30
4	Seat Supports	2 x 4 x 25 1/4
2	Back Stretchers	2 x 4 x 55
4	Table Top Stretcher	2 x 6 x 16
6	Table Top and Seat	2 x 10 x 72
24	Carriage Bolts	5/16 x 4
16	Carriage Bolts	5/16 x 4 3/4
4	Carriage Bolts	5/16 x 5 1/2
8	Carriage Bolts	5/16 x 7 1/2
4	Cold Rolled Steel Pin	3/8 x 4



SIDE VIEW  
FIG. 1

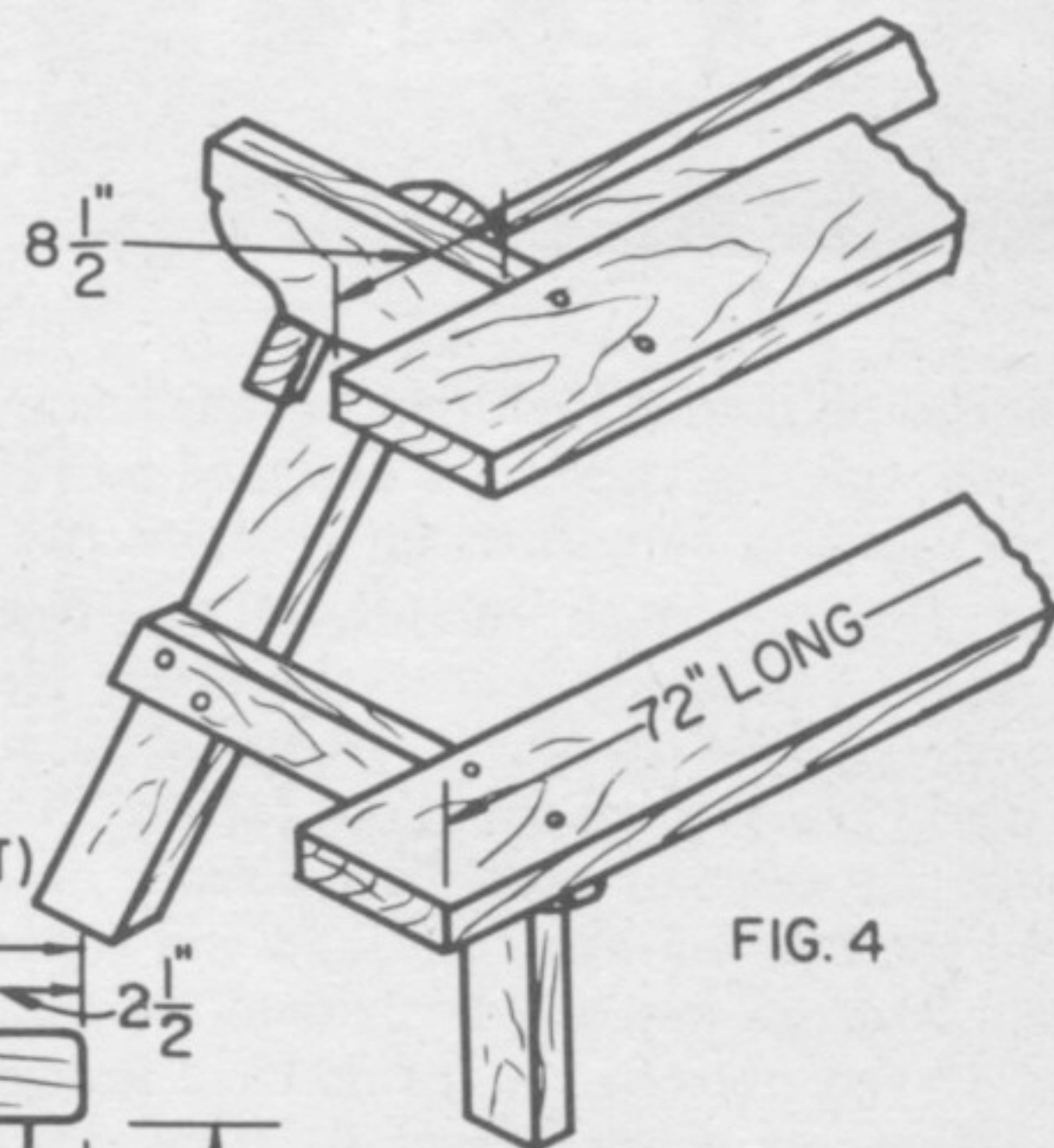


FIG. 4

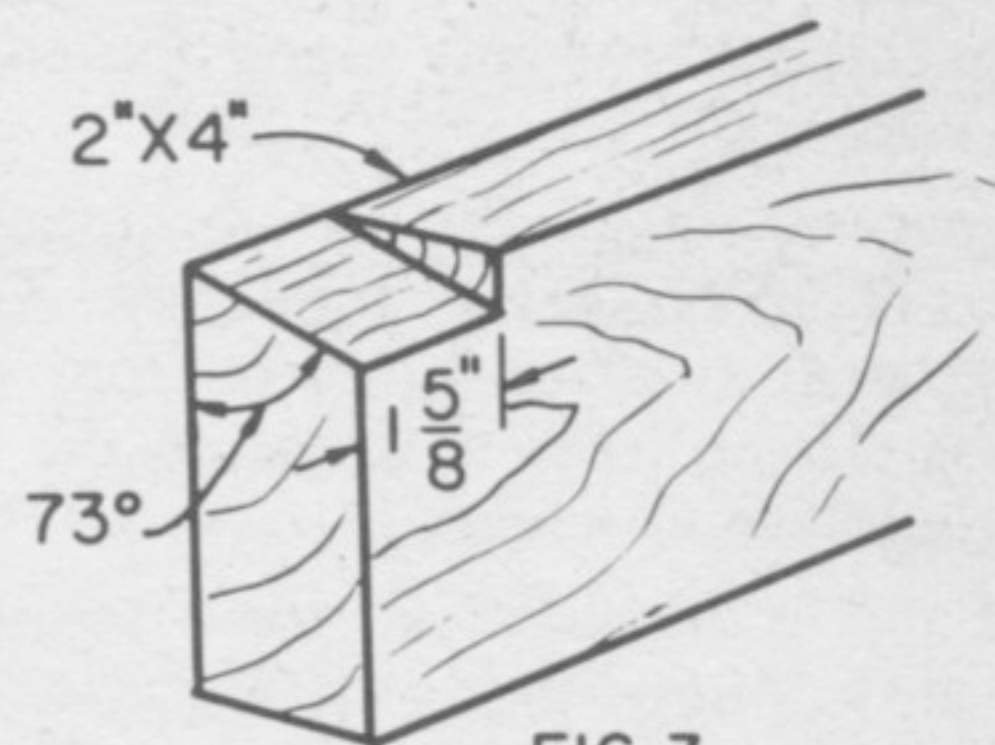
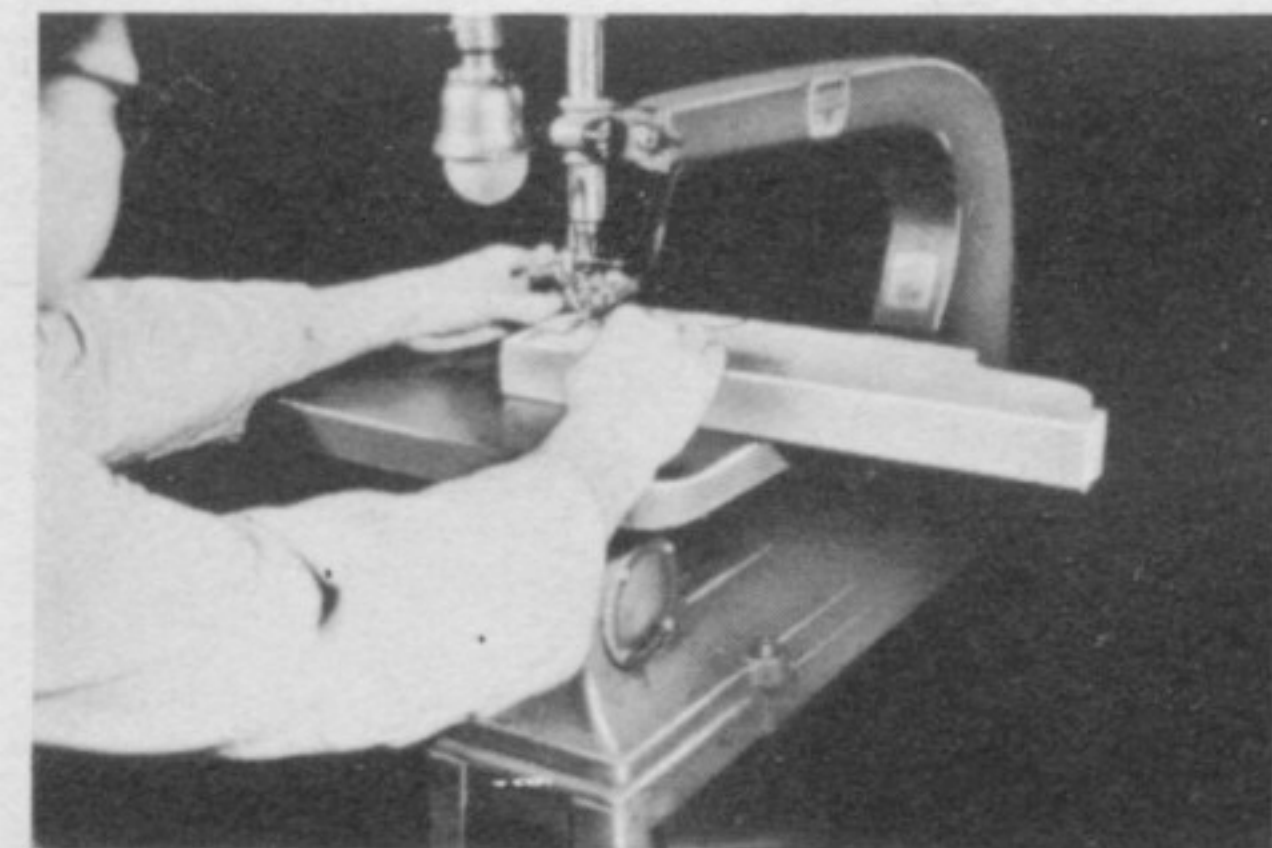
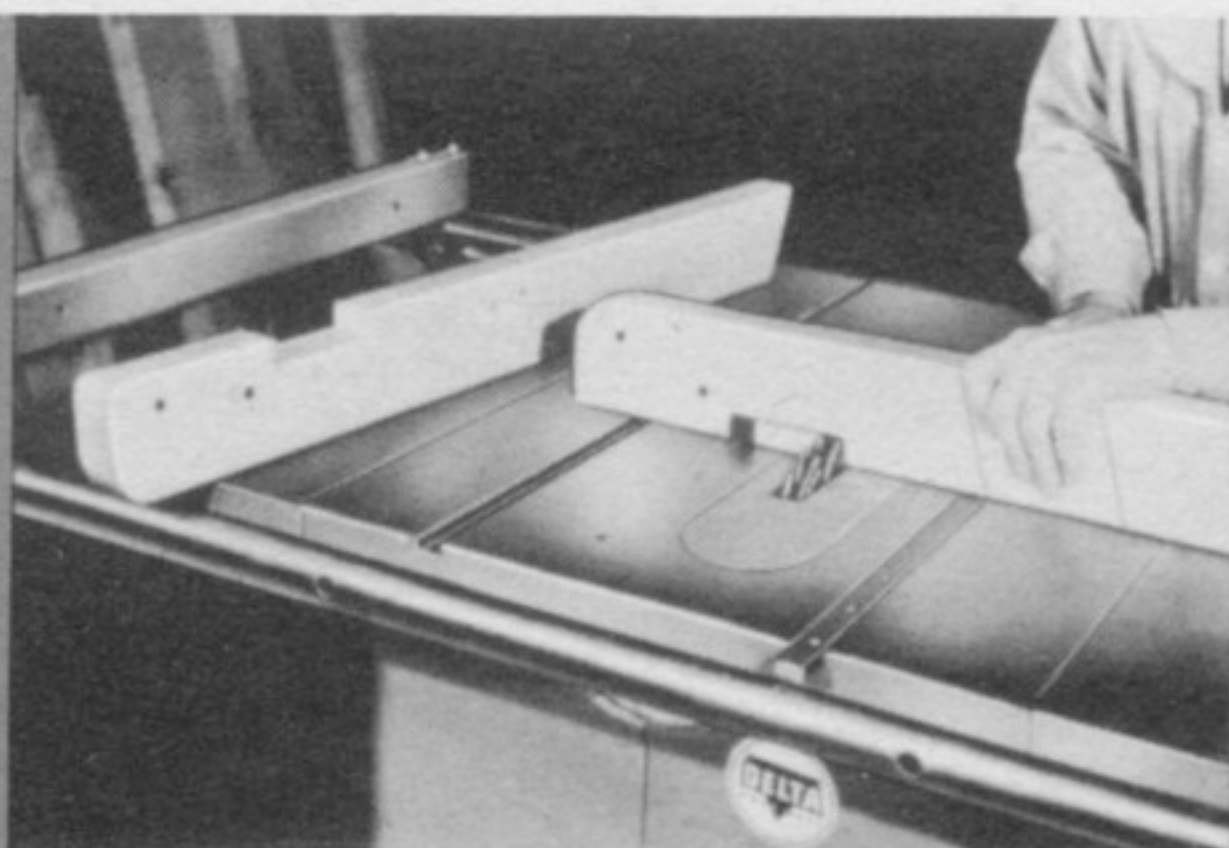


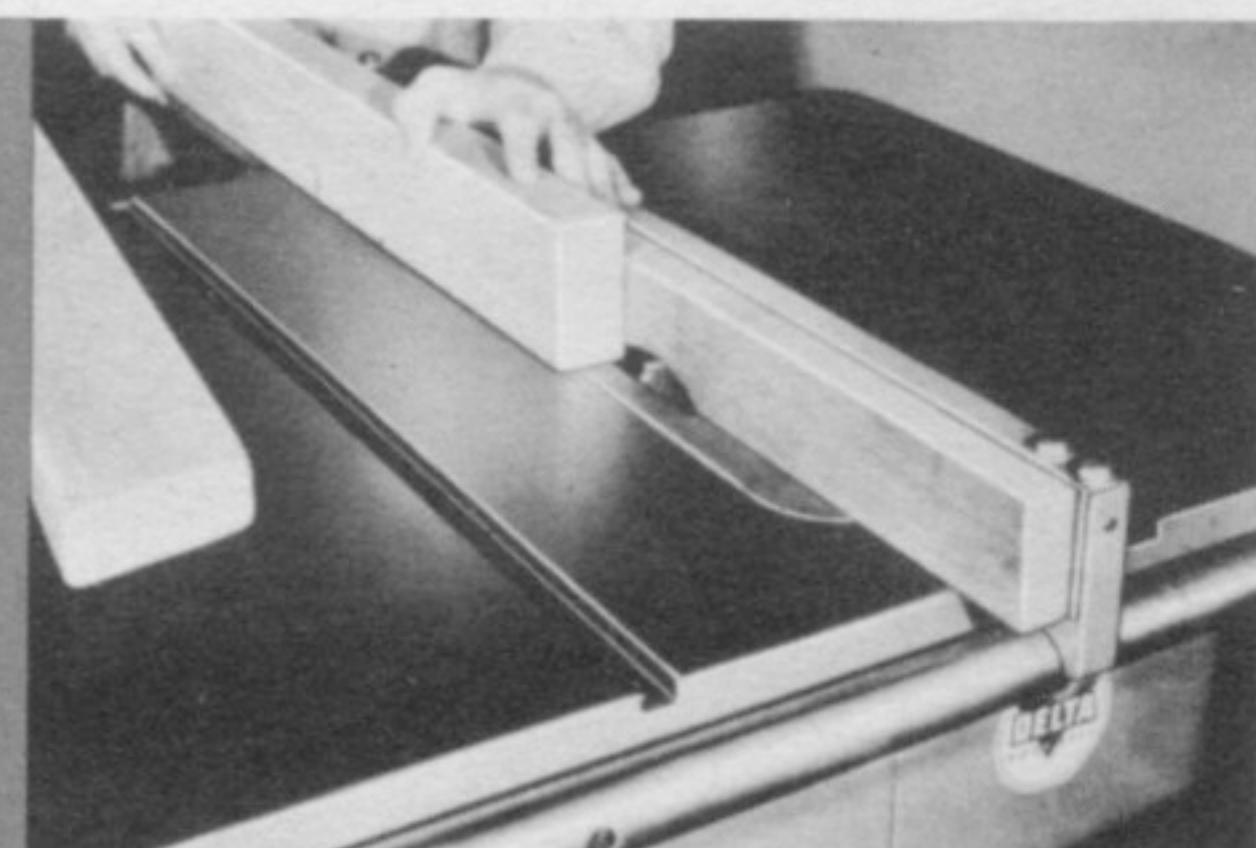
FIG. 3  
BACK BRACE



(Photo No. 6)



(Photo No. 7).



(Photo No. 8)

If you desire, the scroll cuts can be made on the scroll saw, using the #92 scroll saw blade with the machine running at its highest speed or 1750 rpm. Sanding can be done on the scroll saw with the #711 Sanding Attachment.

To notch out the table legs for the rear brace, make a series of cuts on the circular saw using all the cutters of the #34-333 dado head (see finished cut on the piece to left in photo above).

All sharp corners on the pieces for this project are easily rounded on the saw by running them over the moulding cutters #35-103 fitted in the #265 moulding cutterhead.