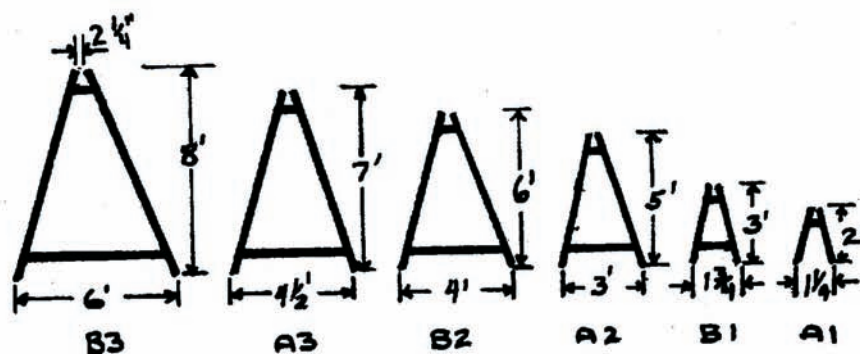


The following article on making jacks was based upon a construction need to build four Ringling Jack wagons in HO scale.

After three or four attempts of "there must be a better way," I hit upon this idea that I pass along to you.

Since I am building in HO scale, I decided to use Camino scale lumber. This wood is fine quality "Fuzz-Free" pine and meets the dimensions required when the Ringling Jacks were made of aluminum in 1945 after the Hartford fire.

(Supt. of Plans Note - Camino Lumber is no longer available, but several other buands of "Fuzz-Free" wood are available at you local hobby store,)



The measurements for these Jacks were taken from CMB Plan 0074, RBBB 1945, and are shown in actual size for "HO" scale.

A1 Jack will nestle into A2 Jack and both into A3 Jack. The same will go for the "B" jacks. It will take six Jacks for one Stringer.

Note:

This method can be adapted to any scale by using the appropriate size materials.

Making Jack Loads in "HO" Scale

DATE: None

SCALE: HO

SCANNED & REVISED:
02/10/04

Pg 1 of 4

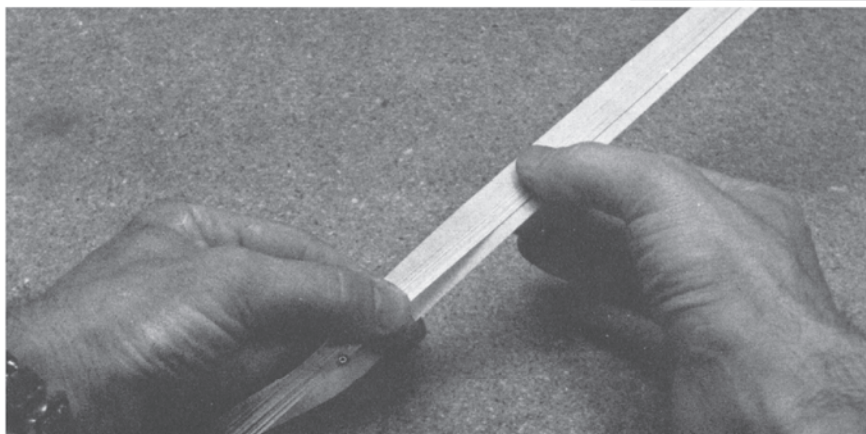
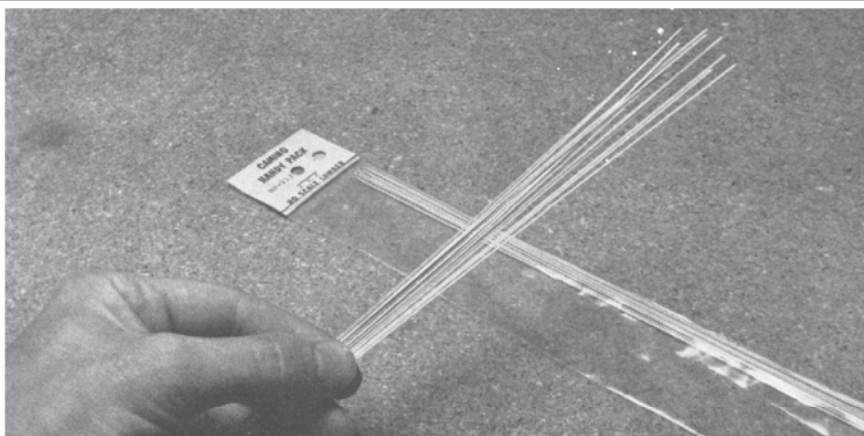
Circus Model Builders

Drawn By
Joe Kasper, CMB 1940

DRAWING NUMBER

#0268

14 strips of 2" x 2" x 12" scale lumber will make one stack of Jacks [three sizes].

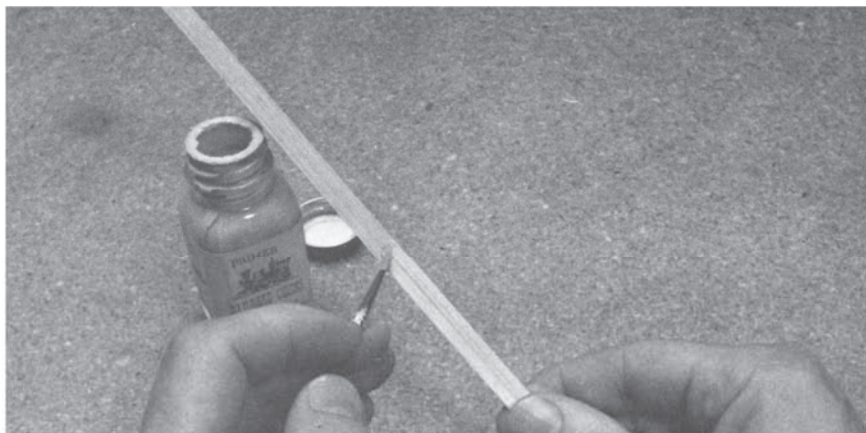


Determine the height of the stack [number of jacks] and sand lightly each strip.

Holding the strips together, apply masking tape.

On the exposed side of the assembly, apply a coat of Elmer's white glue.

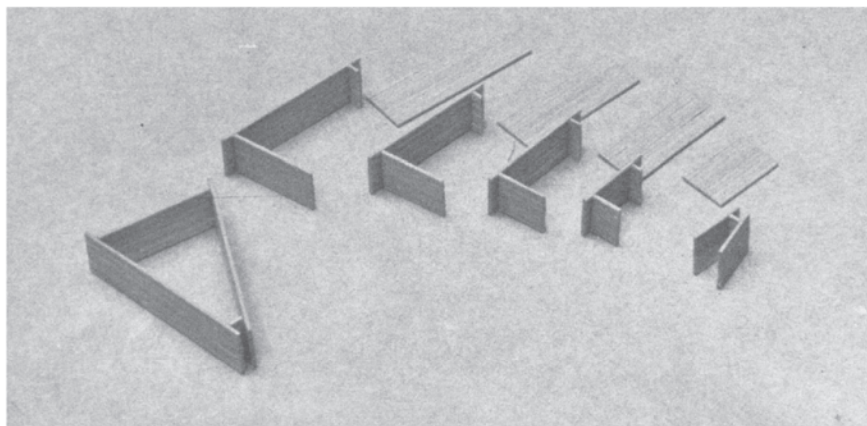
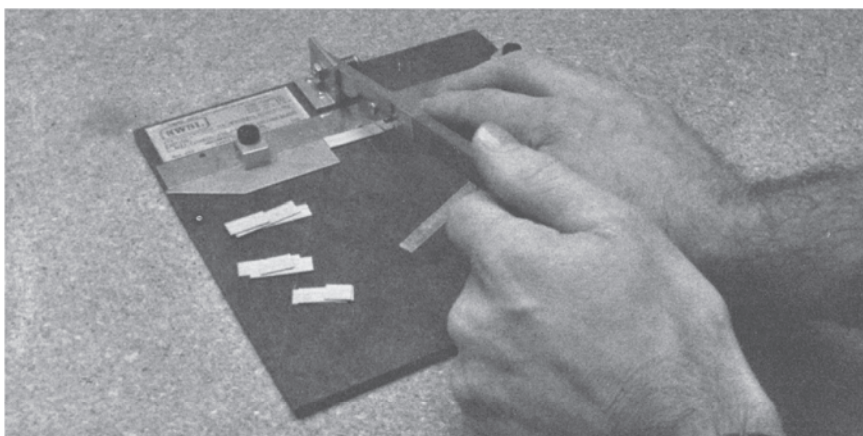
When dries remove masking tape and you will have a solid strip.



On the side where the masking tape was removed, provide a coat of Floquil primer. Once this has dried, steel wool to provide a smooth surface for painting.

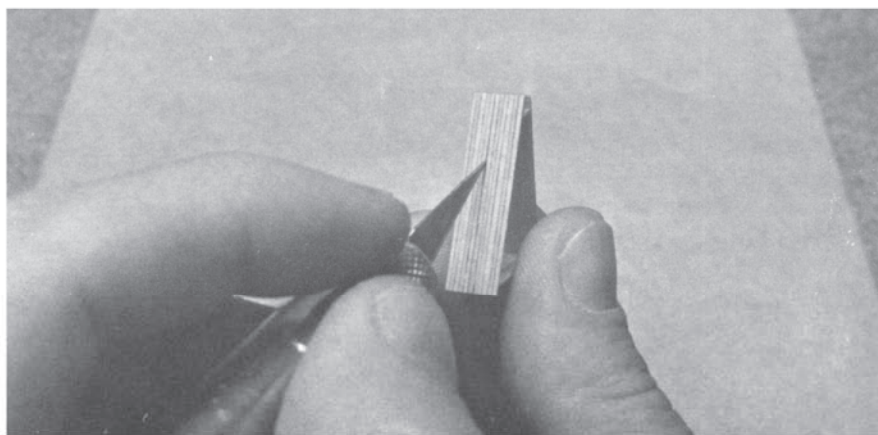
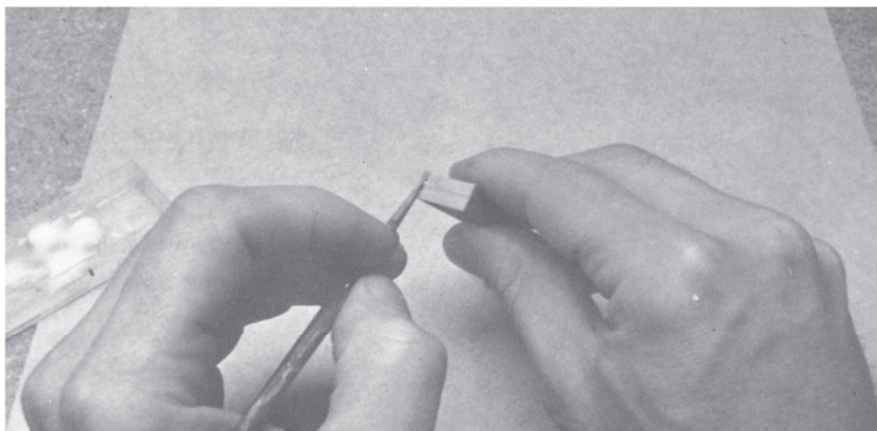
Making Jack Loads in "HO" Scale

Using dimensions taken from the drawing on the first page, cut the lengths required.



This photo shows all the cuts needed to make the Jack sizes for one stringer.

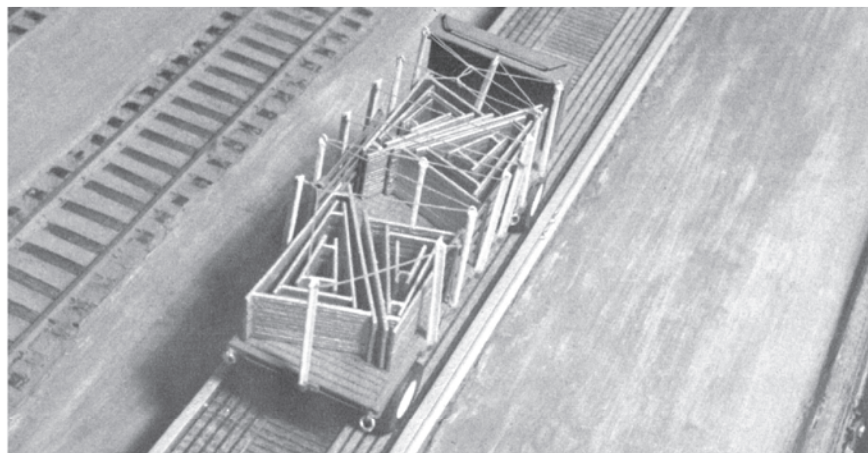
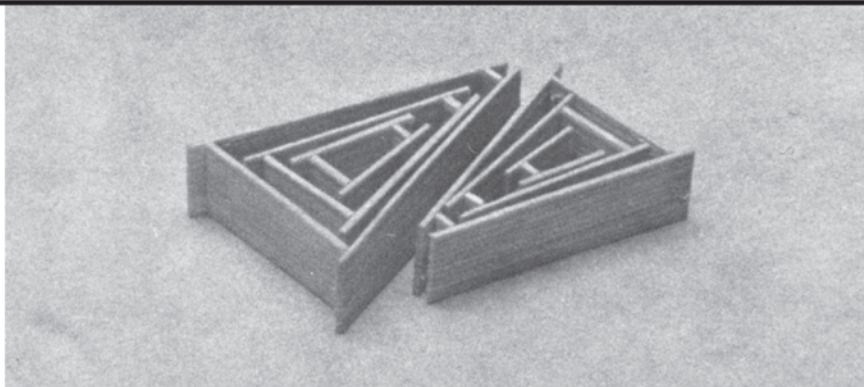
Using Elmer's white glue on each joint provide more strength and acts as a filler where the sections come together.



In order to show greater separation between the individual Jacks, use a sharp blade to scribe the strips of wood.

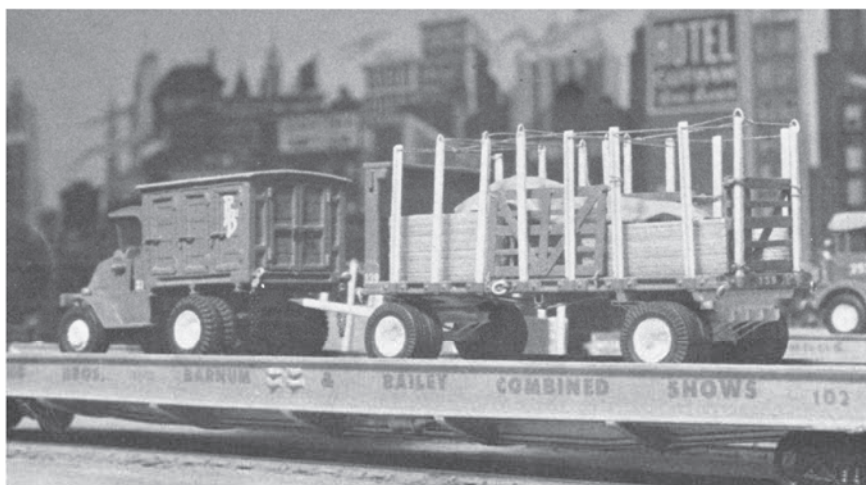
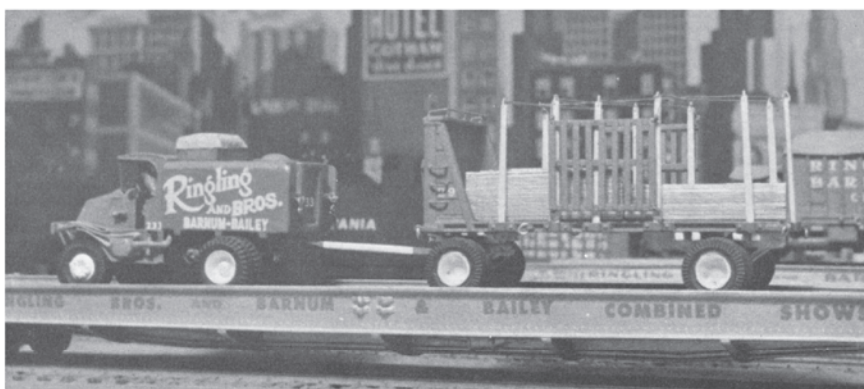
Making Jack Loads in "HO" Scale

The completed jacks are now ready to be painted. It is recommended that they be sprayed in order to retain the detail scribed into the wood.



The completed Jack load is shown on the Jack Wagon #138.

When making you Jack loads, keep in mind that each stack of Jacks should be a different height. This can be seen from the pictured of the real wagons.



This technique has been most effective. It simplifies what can be a most difficult task and can provide a very satisfying Jack Wagon for your show.

Making Jack Loads in "HO" Scale