



Figure 10 - The end results of this project is seen here being used on a train light plant.

Many circus builders in HO scale have enjoyed making the Jordan Mack bulldog trucks for their shows. I am sure many, like myself, decided not to use the wheels in the kit and installed the pneumatic type tire instead.

Now I offer a way to put these wheels to work. Before starting, the following materials are suggested.

- a) Cardboard suitable for tire thickness
- b) Elmers White Glue
- c) Walthers Goo
- d) Round toothpicks
- e) Single edge razor blade
- f) Floquil Flat White paint
- g) Floquil Grimy Black paint
- h) HO scale rule

I have indicated specific brands of materials mainly because I know how they work and will do a good job.

I also recommend anyone modeling in HO scale to obtain a HO Scale Rule (3.5mm=1") from any model railroad store.

For the purpose of making wheels for the RBBB water wagon No. 1, I decided to use the front wheels of the Jordan set. These tires scale at 3" wide and are too narrow for general application.

Using Jordan Mack Wheels for Wagons

DATE: None

SCALE: HO

SCANNED & REVISED:
04/22/02

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Circus Model Builders

Drawn By
Joseph J. Kasper

DRAWING NUMBER
#0240

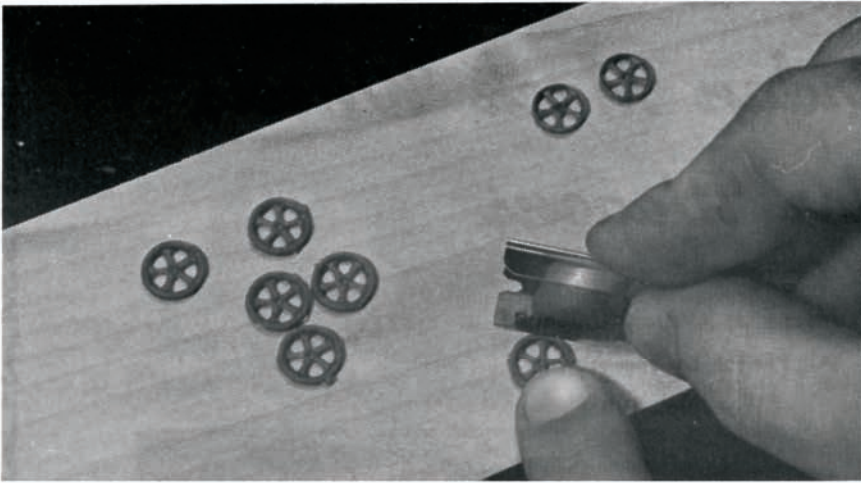


Figure 1

After separation of the wheels from the flash, cut the molded tire off at the rim using a razor blade. Next sand the edge of the rim lightly to again achieve roundness.

Figure 2

Next decide on a cardboard stock that can be used as the tire. I might add, that the cardboard should be thick enough for the tire and flexible to be wrapped around the rim.

Cardboard always bends better one way than the other. Once this is determined, scale 6 inch wide tires and cut strips against the flexible surface of the cardboard.

From the strips, cut lengths to be needed to go around the rim. Here, I suggest trying one first and adjust the length accordingly

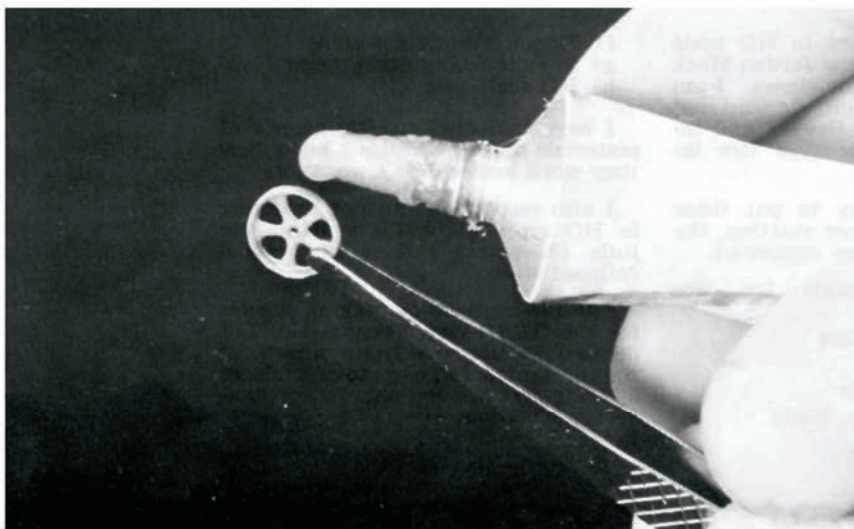
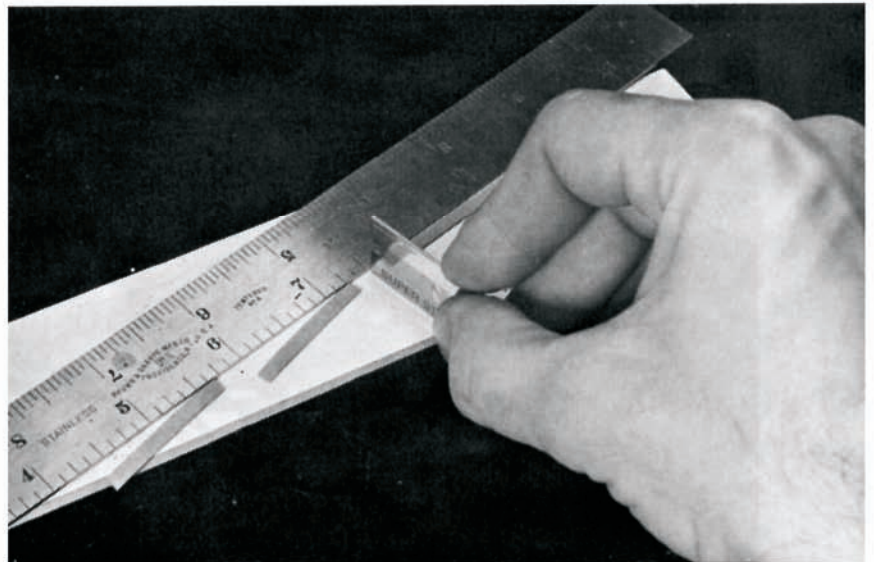


Figure 3

Apply a thin coating of adhesive glue to the rim such as Walther's GOO.

Using Jordan Mack Wheels for Wagons

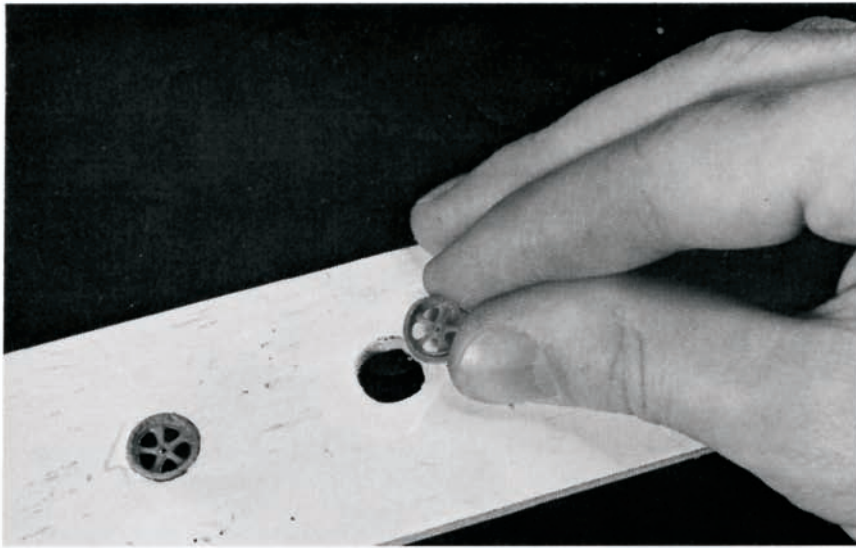


Figure 4

Once the cardboard strip is wrapped around the rim, it becomes necessary to hold the seams together until the glue sets, or, you can do as shown.

Drill out a number of holes (number of wheels to be made) in a piece of 1/8th inch wood to the diameter of the wheel with the cardboard around. The diameter of the hole should be just large enough to hold the strip against the wheel.

Using this jig, wheels may be worked on while others are drying.

Figure 5

Excessive glue can be removed by swirling a toothpick around the rim of the wheel on both sides.

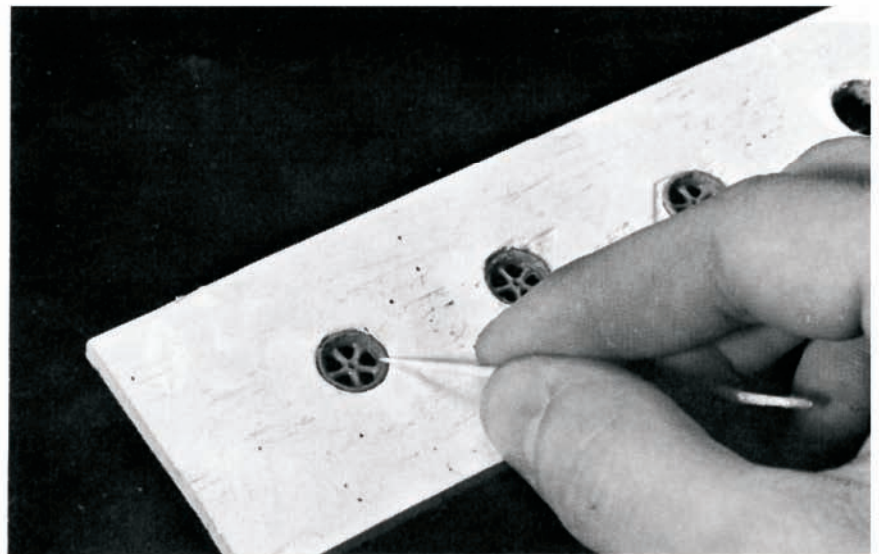
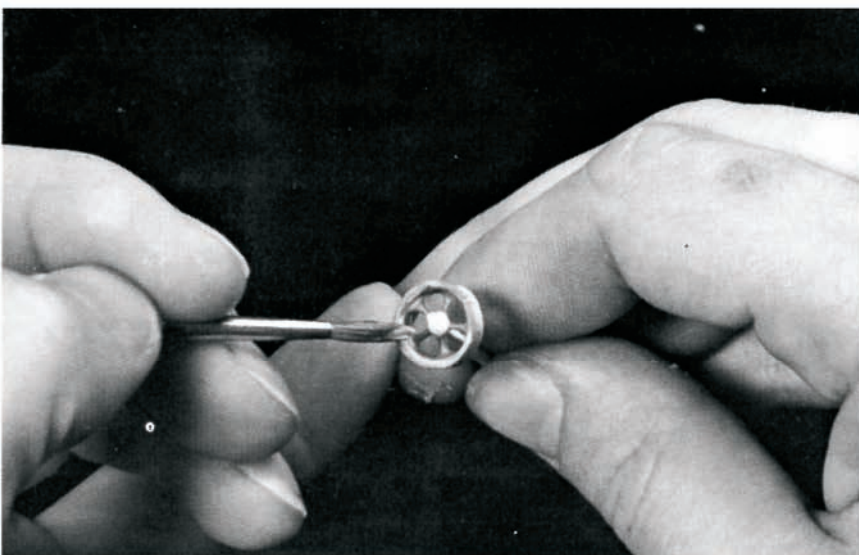


Figure 6

After approximately 15 minutes, the wheel can be removed from the jig. A full strength coating of white glue is applied with a paint brush to seal the cardboard, the seam, and between the tire and rim.

The white glue is also applied to the center hub of the wheel between the spokes. It will become necessary to apply several coats in order to build up the hub at this point. Three applications should do it letting the glue dry thoroughly before each new coating. The brush used to apply the white glue can be cleaned with water after each use.



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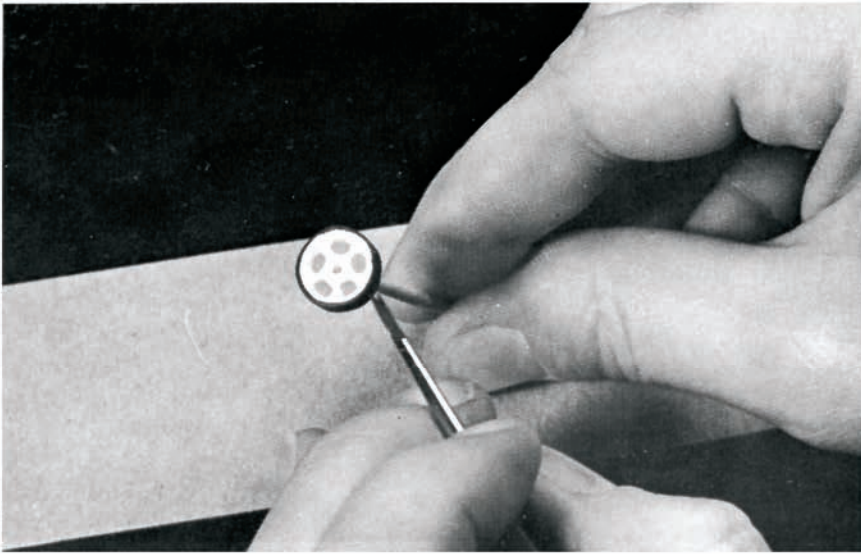


Figure 7

The wheel can now be painted white and the tire black.

Figure 8

Final results are seen on the authors water wagon waiting to be unloaded at the runs.

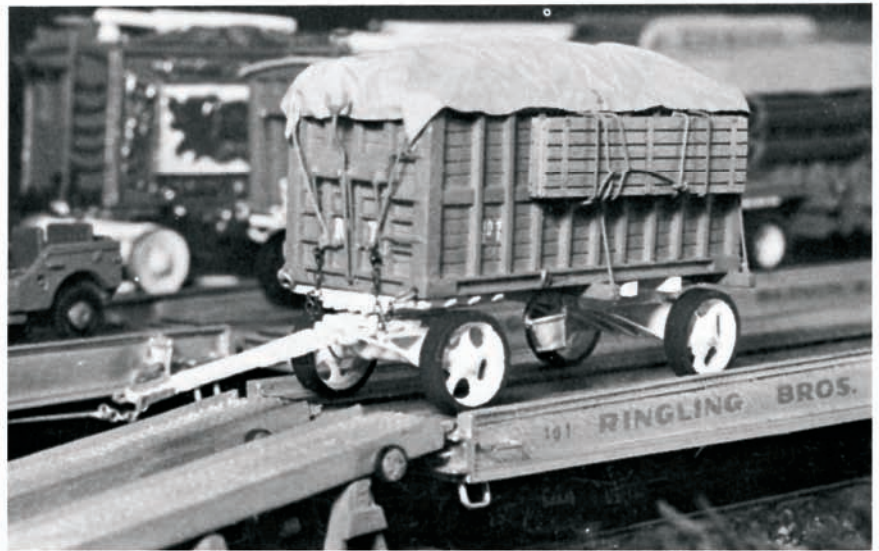


Figure 9

The rear wheels in the Jordan kit were used on the light plant wagon No. 130.

Here I found the tires molded on the wheels to be a scale 6 inches wide and decided to only build up the hub between the spokes.

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