

May 2022 Volume 15, Number 5

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Layout of the Month

This month’s photographs of the Sunrise Division’s modular HO scale layout were taken at the Rocky Mountain Train Show on April 2 and 3, 2022.



May Meeting Notes

Signing in to the hybrid meeting began about 6:45 p.m. on May 5, 2022. The meeting began at 7:05 p.m. with 15 participants in attendance at the church and 4 attending via Zoom. The meeting began with introductions followed by Announcements, Tool Time, Show 'n' Tell, and the Clinic, all of which are reported on in greater detail in this edition. The meeting concluded at 8:46 p.m.

Next Meeting

The next meeting will be Thursday, June 2, 2022 in person at Holy Love Lutheran Church, 4210 S Chambers Road, Aurora, Colorado. Mask wearing is optional for all attendees. The meeting will start at 7:00 p.m. The meeting will also be streamed on Zoom with sign-in between 6:30 and 7:00.

URLs of the Month

This month we have two YouTube videos of Ukrainian railways from 2007 and 2018.

<https://www.youtube.com/watch?v=V PHjzu Di A>
<https://www.youtube.com/watch?v=jyeGT2KXn -k>

Interesting fact: The Ukrainian Railways track gauge is 1,520 mm or 4' 11 $\frac{27}{32}$ "

Upcoming Clinic

Making the N scale Conway Tunnel

Upcoming Show 'n' Tell Themes for 2022

June-1940's Era
July-Prototype Project
August-1970's Era
September-Mining
October-Steam
November-2000's Era
December-Holiday Theme

Announcements

In an attempt to reduce problems, we continue to ask that Show 'n' Tell photos, clinic presentations, and Tool Time photos be taken before the meeting and sent to Gary Myers (garymyers06@comcast.net) for presentation at the meeting and to the editor for inclusion in the Sunrise Herald (rlhoch422@gmail.com).

The Foothills Society of Model Railroaders swap meets have resumed at Green Mountain Presbyterian Church, 12900 W. Alameda Pkwy, Lakewood, CO. The next swap meet is May 28, 2022.

Rail Fair at the State Fair Grounds (TECO Train Expo Colorado, Pikes Peak Region) October 15 and 16, 2022.

June 19 - 25, 2022 - National Garden Railway Convention, Crown Plaza Hotel, 15500 E 40th Ave, Denver, CO <https://www.ngrc2022.org>

The Sunrise Division has lost one of its most ardent supporters, Dick Hunter. Go to [Richard Hunter Obituary - Aurora, CO](#) (dignitymemorial.com) to read some wonderful tributes from members of the Sunrise Division.



in memoriam

Richard "Dick" Hunter
September 25, 1933-
March 30, 2022

Module Update

Time constraints last month prevented me from writing my comments on the TCA show. The photos last month cover the operation which went well. The work we did on the module joiners made installing them much faster and easier. The work that was done on the hinges paid off as many pins simply dropped in on set up and came out easier on take down. We only had two tight pins and then that was probably due to the uneven floor.

Help Needed

Most work is finished on the modules except the ground cover which is minimal. We could use donated ground foam (medium and large size) bushes, small trees and a few large trees. Compared to many modules at the TCA show, our modules lack details such as trash and trash piles. Want to help without working on the modules? We could use small piles of junk or trash. Do you have other details that are just collecting dust? We could most likely use them. Just bring them to the meeting or email me (jeepnman@ecentral.com). The modules' members can then glue them to the modules. Take a look at Adam's module video in last month's Herald and you can see what is missing.
Larry Stephens

Tool Time

Stu Jones presented Mitre Boxes. His PowerPoint presentation follows:

Mitre boxes are useful tools for making accurate cuts at precise angles.

Wood and aluminum box edges can become worn over time. The cuts will no longer be accurate.

Suydam Wood Mitre Box



The Mitre Slots Can Become Worn over Time

When the slots become worn, you can no longer make square or diagonal cuts accurately.



Solution: Brace the Slots with Metal Strips

You can square-up the 90-degree slot by attaching metal strips on either side of the slot.

Align the strips to allow the width of a razor saw blade.

This won't work for other angles, however.

Metal Guides Will Eventually Wear Also





Solution: Remove, Square-Up and Realign

You can remove the metal strips.
File the edges square.
Reattach and align the strips to allow the width
of a razor saw blade.

Another Solution: Make Your Own



This is made from a wood block and steel splice
plates.
A steel guide should last longer than soft metal.
This one requires a wide razor saw blade.

Show 'n' Tell

Rich Flammini presented this kitbashed
commissary building and told the story of its
construction.



*This is a Walther's Commissary Background
building kit. I had a narrow space next to the
Chicago Dearborn Station which in real life served
six railroads including the Santa Fe plus of course,
the Grand Trunk. On the layout there is a single
track to accommodate railroads dining cars for
resupply. The back is not very visible so a wall
enclosure did not receive much attention. The left
side is visible so the addition of the unloading dock
and the receiving office for the commodities was
added. The Kraft refrigerated truck added some
color and visual interest. I have a large collection
of kits on the layout but not many are kitbashed. I
think this one is a perfect fit.*

Stu Jones presented his kitbashed bridge and
explained how and why he did it.



*This picture shows the completed bridge on the
Sunrise Division's modular layout.*



This is the prototype I wished to model on the D&RGW line between Leadville and Buena Vista



This picture shows the Walthers kit I started with. I chose the kit for durability because the bridge on the module would be subject to wear and tear.

I shortened the Walthers model to seven panels from eight with a "X" panel in the center.

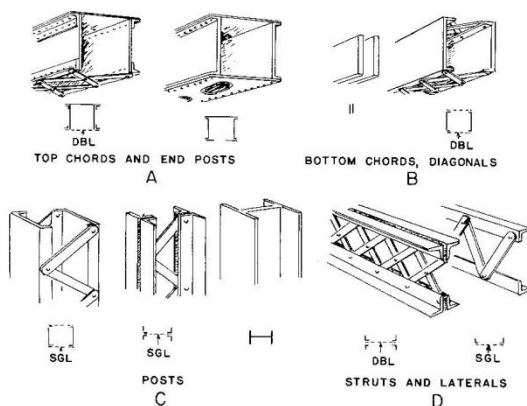


Fig. 10. Typical prototype construction of truss members.

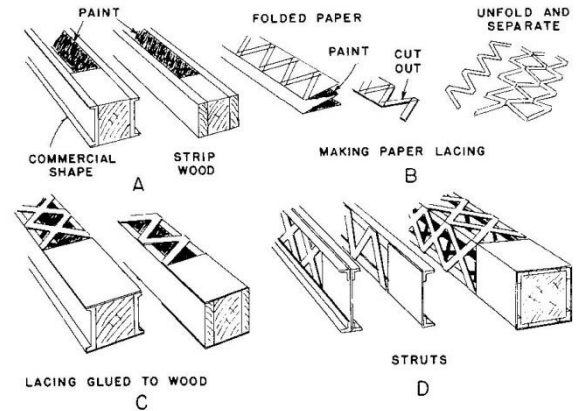
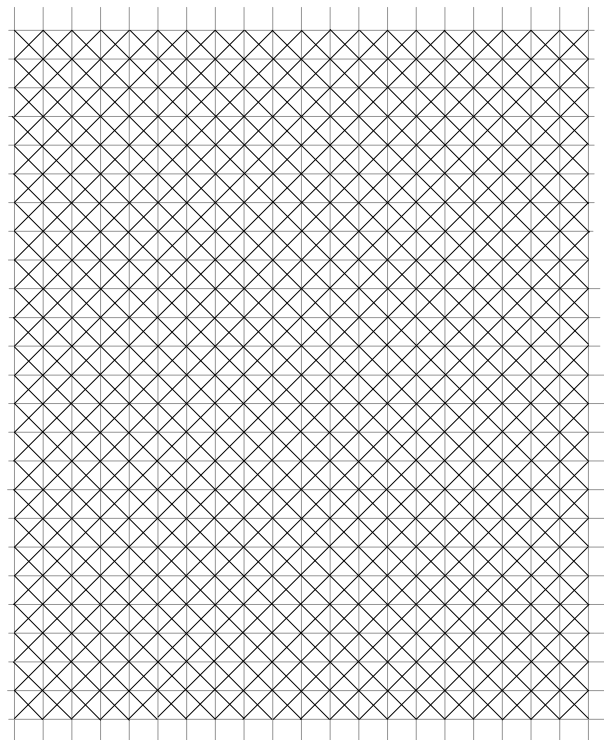
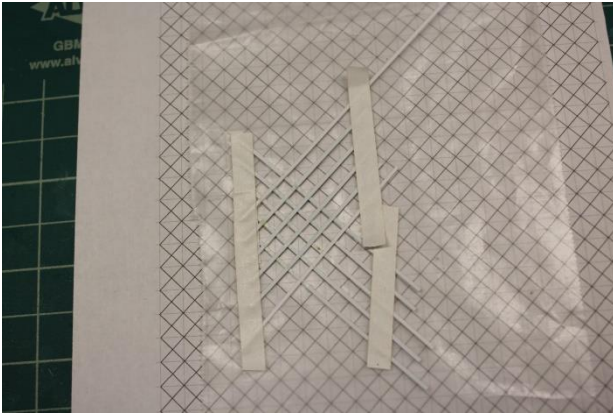


Fig. 12. Modeling laced members from wood, card, and paper.

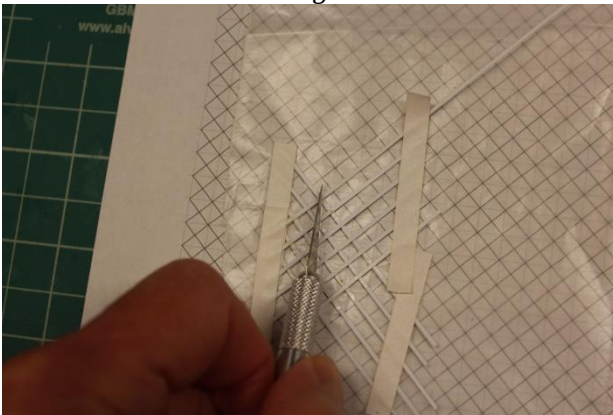
These are diagrams of box girders that were used on truss bridges to provide rigidity under compression (from Paul Mallery)



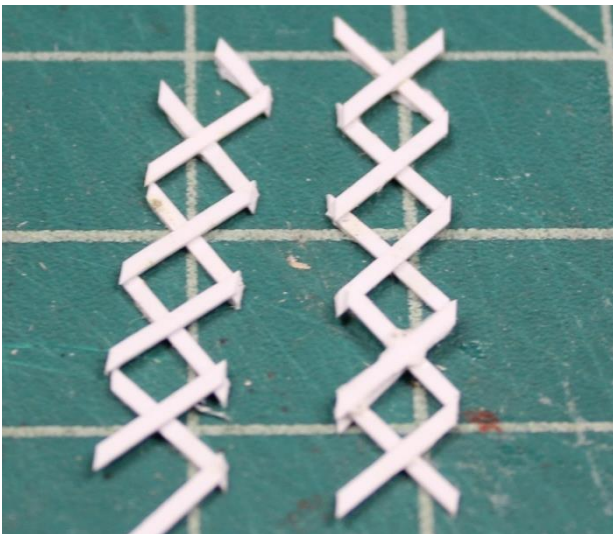
This is the drawing that was used to fabricate the diagonal braces.



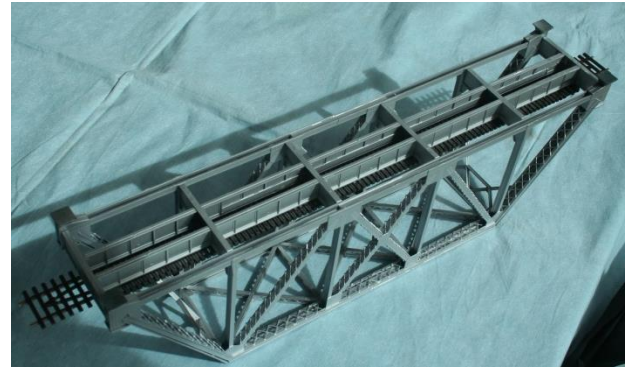
This shows construction of the diagonal lattices I made to simulate the box girders.



This shows separating of the braces.



The completed braces



Braces cemented on and trimmed before painting.

Clinic

Gary Myers presented "Weighing Cars and Scale Houses". His PowerPoint slides are presented here.

What do the numbers mean?



- **CAPY** - CAPACITY
 - This is the weight the car is capable of carrying.
 - A general guide number to be used by workers loading the car.
 - Always less than the Load Limit
- **LD LMT** – LOAD LIMIT
 - The maximum weight the car is capable of carrying.
 - The load limit was a function of the truck journal size.
- **LT WT** – LIGHT WEIGHT
 - The empty or tare weight of the car.
 - Usually rounded to the nearest 100 LB
- **WEIGHING DATE**
 - Also stenciled nearby the weight data, will be the Shop where the car was weighed and date.

Re-Weigh Rules

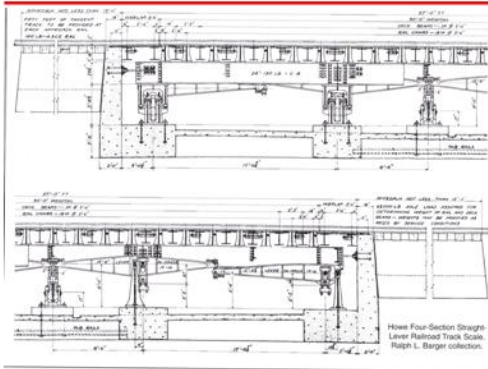


- Cars were reweighed whenever the tare weight may be affected by equipment changes.
- Rule 11: Weighed during repairs or

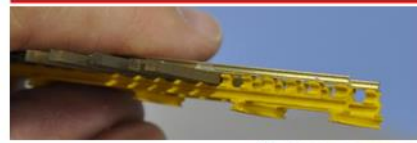
1930 – 1949	All cars	every 30 months
After 1949	Steel Boxes, flat, stock, reefers	1 st reweigh 30 months
	Wood and wood composites	1 st reweigh 15 months 2 nd reweigh 48 months

• For modelers interested in modeling a specific date and time, they could consider the weigh dates on their rolling stock.

Track Scales



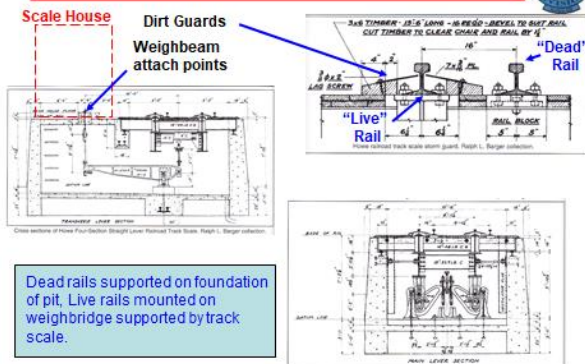
Building a Weighbridge



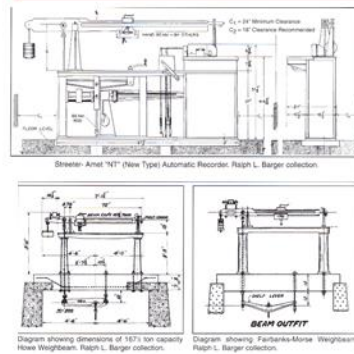
The weighbridge was painted with an enamel (Humbrol), rails attached with CA, then the stained ties are threaded through the openings in preparation for installation into the pit.



Rail Cross Section



Scale House Interior - Weigh Beams

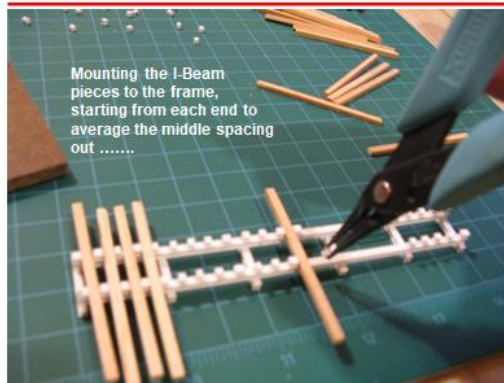


Examples of weigh beams.



Fairbanks-Morse Type "S" Registering Weighbeam.

Building a Weighbeam






Pueblo Model Railroad Association

Promoting Scale Modeling Since 1984

Rail Fair at the State Fair Grounds

October 15 & 16, 2022
Sat 9-4:30 * Sun 10-4

Livestock Pavilion
@
State Fair Grounds
1001 Beulah Ave
Pueblo, CO 81004

Vendors!
Contact Mike Peck (719) 640-2076
mmp85trainnut@hotmail.com