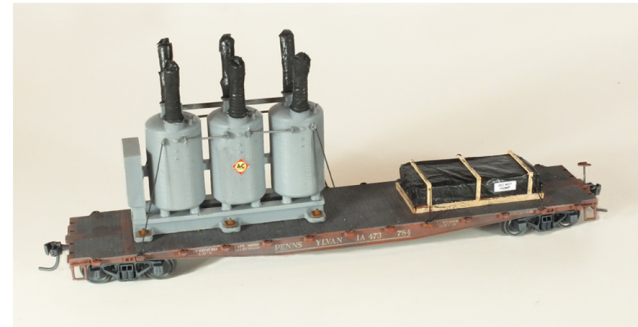


LOADS ON OPEN CARS



Railroad Prototype Modelers Conference 2019



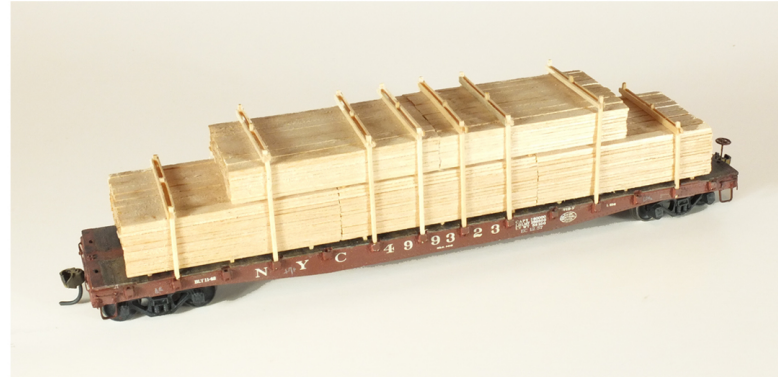
Craig Wilson
Battle Creek, Michigan



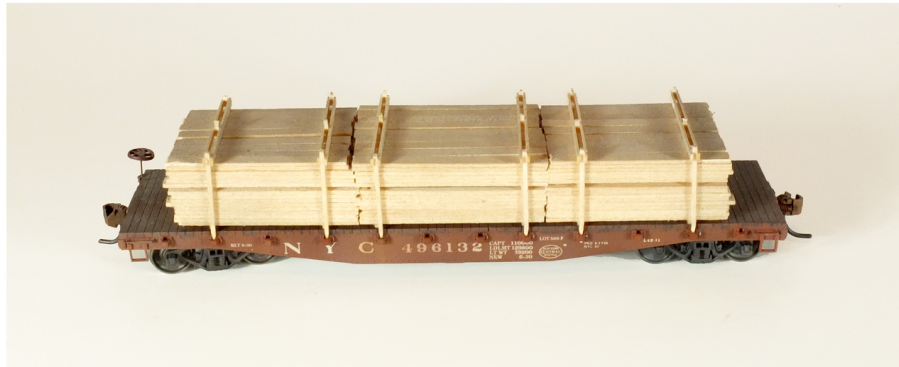
While finished lumber typically was loaded in boxcars , rough lumber [timbers] was carried on flatcars, even into the 1960's and beyond.

Scale lumber [Kapler, Northeastern] are built around a balsa wood core. [No need to use pricey scale lumber where it cannot be seen.]

MODEL: Protowest 70-ton flatcar [resin kit]



**MODEL: Red Caboose
42-foot flatcar**



Loads are removable.

The specific model type is marked on the bottom of the load along with the orientation to "A" and "B" ends as the mounting stakes seem to best fit in one direction

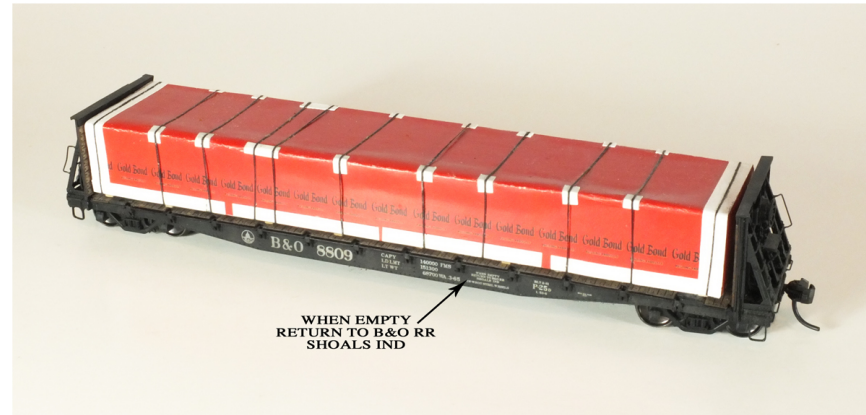


**“WHEN EMPTY RETURN TO B&O RR
SHOALS IND”**

**B&O added bulkheads to 8 flatcars
for gypsum wallboard loading. Both
National Gypsum [Gold Bond] and
U.S.Gypsum [Sheetrock] developed
plants at Shoals, Indiana**

**MODEL: Intermountain 70-ton
bulkhead flatcar has the
“Shoals Ind” lettering.**

**LOAD: wrapper created in
Photoshop from photos of
prototype car. Balsa wood core.**





MODEL: Walther's GSC bulkhead flatcar. Bulkheads were shortened to match the prototype cars. Mark Vaughan decals. Note the stencilling on the faces of the bulkheads indicating maximum height of wallboard and masonite loads

LOAD: wrapper created in Photoshop. Balsa wood core
both "Gold Bond" and "USGypsum" wrappers were created

Before the plastic fabric wrappers were developed in the 1960's, gypsum wallboard loads were protected from the weather using tarps.



MODEL: ESPEE Models [former Red Caboose] bulkhead flatcar. Car has shorter bulkheads for wallboard loading

LOAD: balsa wood blocks covered with paper colored to look like tarp material

Loads on removable false floor



MODEL: Tangent Scale Models

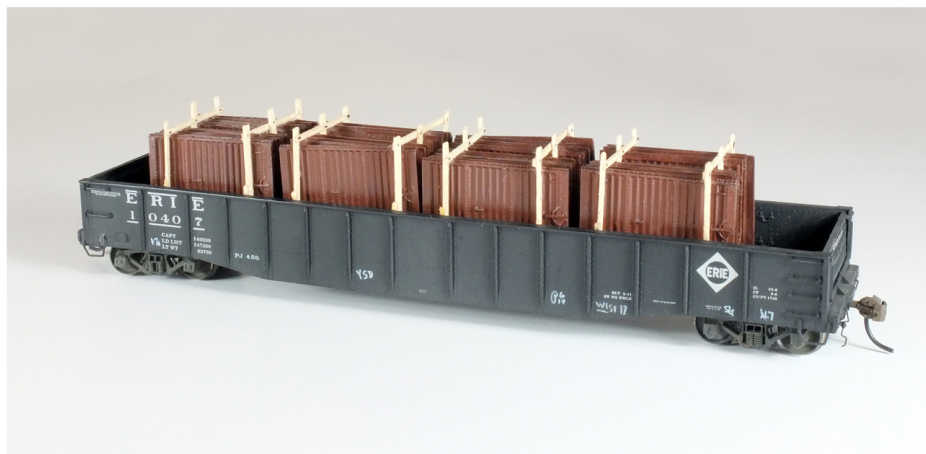
LOAD: Athearn cement canisters mounted on false floor made from Evergreen styrene [2067 O-scale Car Siding]



**ERIE gondolas at the Youngtown
Steel Door plant in Ohio**

**MODEL: Life-Like Proto 2000/
Walthers gondola**

**LOAD: boxcar doors from the
scrapbox mounted on false
floor made from Evergreen
styrene [2067 O-scale Car
Siding]**



Non - removable loads



MODEL: Life-Like Proto 2000 / Walthers 50-ton flatcar

LOAD: Life-Like Scenemaster. Sold in packages containing one plow and one corn planter. Six of the plows fit nicely on the 53-foot flatcar

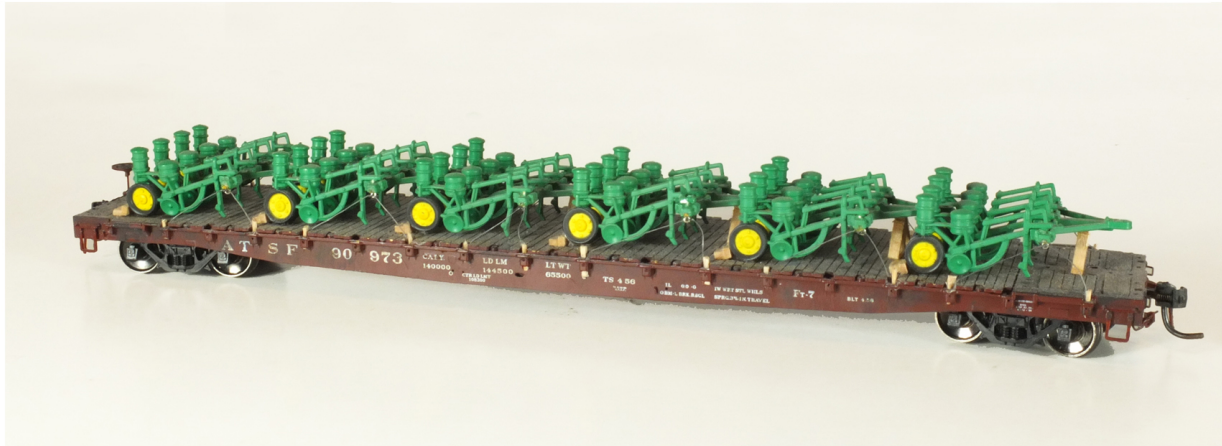
Six of the Scenemaster corn planters require a 60-foot flatcar



A detailed model of a 60-foot flatcar, painted in a dark reddish-brown color, is shown from a side-on perspective. The flatcar is loaded with six green Scenemaster corn planters, which are arranged in a row along the length of the car. Each planter has yellow wheels and is mounted on a wooden dolly. The flatcar has various markings on its side, including "AT SF 90 973", "CMT 140000", "LDLM 140000", "LT WT 65000", "TR 4 DG", "TL 48 48", "IN 107 107", "WHL 107 107", "Fy-7", and "SLT 1 10". The flatcar is on a white background.

MODEL: Tangent Scale Models GSC 60-foot flatcar

LOAD: Life-Like Scenemaster corn planters



LOAD: Life-Like Scenemaster corn planters



Joliet Illinois: 1958
Allis Chalmers BZO-HV oil circuit breaker load

MODEL: Bowser PRR F30
flatcar

LOAD: BZO-HV oil circuit
breaker
Multiscale Digital LLC
[available from Ebay
or Shapeways]



Permanent load with separate empty flatcar



MODEL: Life-Like Proto 2000 / Walthers 50-ton flatcar

LOAD: Massey-Ferguson MF830 combines [Artitec resin models]

Permanent load with separate empty flatcar



MODEL: Life-Like Proto 2000 / Walthers 50-ton flatcar

LOAD: Caterpillar tracked crawler with separate blade [Artitec resin model]



WAB 527
Morning Sun
Wabash, Nickel Plate,
DT&I Color Guide

MODEL: Tangent
 Scale Models
 GSC 60-foot
 flatcar

LOAD: Athearn John
 Deere 4020
 tractors





MODELS:

DTI 914 Intermountain 70-ton flatcar

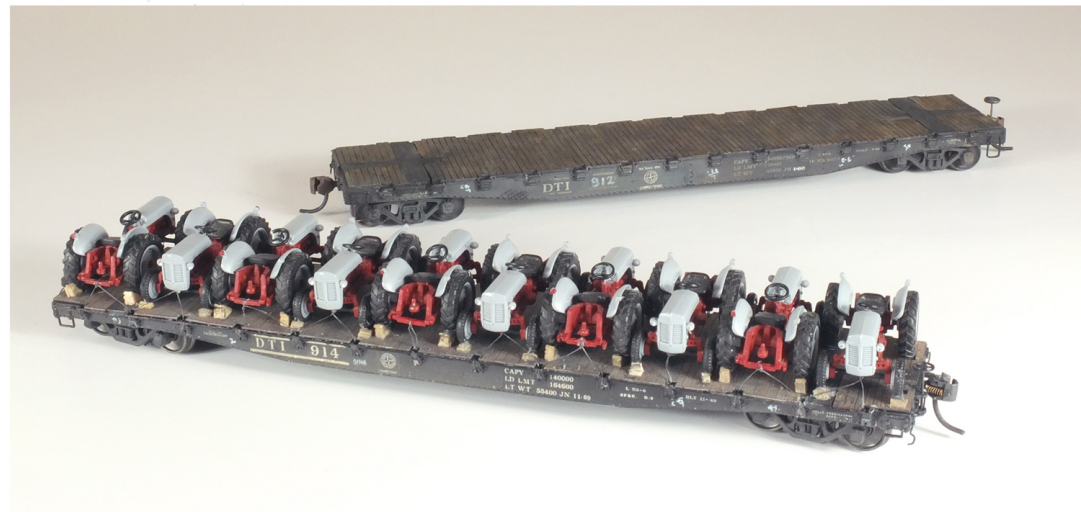
DTI 912 two Athearn 50-foot flatcars

spliced together to get correct length

new deck made from Evergreen styrene

**LOAD: Wiking TE
Ferguson tractors**

**Exhaust pipe moved
and painted to match
Ford industrial tractors**



MANITOWOC ENGINEERING CRANE



MODELS: C&E 42008 [Red Caboose]
C&N W 46167 [Life-Like Proto 2000 / Walthers]

LOAD: Kibri dragline crane [stand-in model for Maniotowoc crane]
Extra boom sections made from Evergreen styrene



LOAD: Wiking TE Ferguson tractors modified the same as on the DT&I flatcar to become Ford tractors

BONUS - too irresistable not to model

An LCL tractor load - a photo found on-line. Ford tractors being unloaded from a PRR X31f boxcar

MODEL: Bowser X31f with door opening cut out
Interior wood sheeting - Evergreen styrene + spare doors from another car

Ramp built from styrene



IN OPERATION ON THE LAYOUT

When spotted for unloading, cars with removable loads have them removed and the waybills turned

For cars with permanent loads, there will be another empty car [with a different number but otherwise the same] that will be swapped for the loaded car between sessions

Some cars with permanent loads do not have a corresponding empty. These are routed as through cars going on to interchange with another railroad.

In addition to these loads, there are many others that are placed on the appropriate flatcar or gondola such as girder and structural steel loads, pipe, and lengths of rail

The pages of this presentation have been made into a PDF file that will be available on the RPM website or by contacting the presenter at: agecompanyphotog@gmail.com