

would be helpful. (If you can't draw talk to Gary or Nick for help). The module idea can be anything you desire.

The winning entry will be selected by a highly trained (we told them what to do) and carefully chosen (we picked some folks at random) team of judges.

The **Module Masters** will help you build the submitted module and the winner will also receive a handsome billboard to display on their railroad.

Everyone can learn to build stuff so join the contest and learn to build railroad stuff for the Modules or your road at home.

Budget Box Car Kit by Dick Izen

At our meeting on May 12 several members picked up wood box car kits from Al Lathrem, who had consolidated the order to get the best price. The kits are made by Jeff Saxton (who does business as Saxton Car and Foundry) (*ed-This was not part of his normal business which he has actually discontinued.*) and are 1/20.3 which makes them larger than most of our rolling stock. At the time, there were some questions regarding the total price of the car. I thought the club members might be interested in my experience with total costs.

The basic car kit is \$46, but this is without trucks and couplers and the many "required" metal detailing parts. Hartford Products sells a kit for \$30 with most of the metal parts including the grab irons, steps, corner braces and brake hardware. This doesn't include nut, bolt and washer castings which are required to complete the kit. I had some of these

in my odds and ends so I didn't buy any but Hartford sells some for \$1.85 to \$2.25 (depending on size) per package. Each package contains 12 castings and the car requires 10 along the fascia board, 8 along the door stops and 4 for the truss rods. Say two packages or another \$4.

For trucks I used Jeff Saxton's recommendation and bought the Aristocraft (Delton) sprung arch bar plastic trucks. They cost \$14.41 for a pair from Caboose Hobbies. To weight the car and get better rolling I changed the wheels to Gary Raymond metal wheels for \$15.98. Hartford products sells archbar trucks with un-plated steel wheels for \$29.95, a few pennies less than I paid but it would give you pretty nice metal trucks. They also have D&RG 3'-7" trucks (with wheels) for \$34.95 and Carter Brothers 4' swing motion trucks for \$44.95.

Finally I added Kadee couplers for \$6.95.

My total cost came to \$113.34 but this excludes the glue, paint, lettering and the nut, bolt washer castings (I had some on hand). I have included some prices of available alternatives for your information. The kit was a lot of fun to assemble and I enjoyed it but don't get into this if you are looking to save money over the many plastic cars on the market.

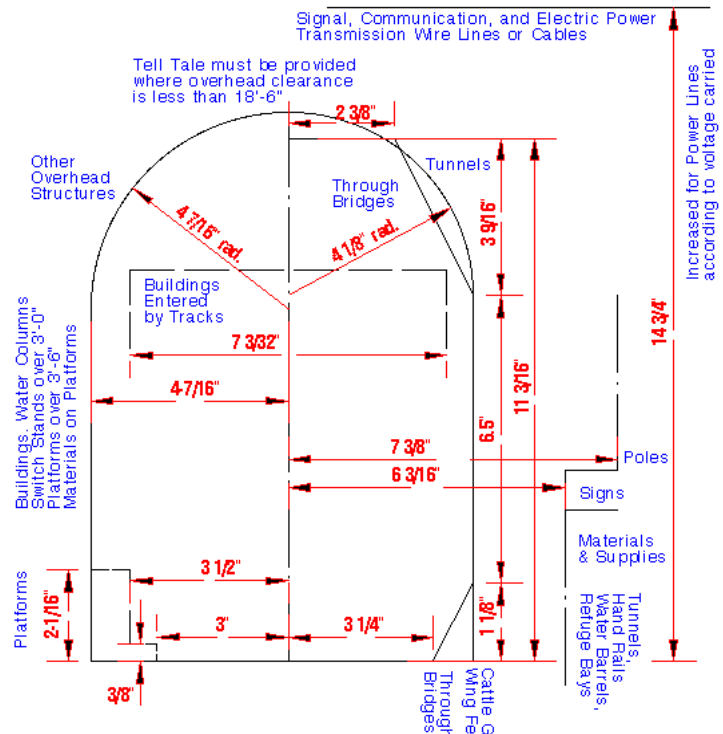
(ed-This kit is designed for the F-scale rivet counters in the one20point3 mailing list on yahoo.com. We wanted a really fine scale boxcar to run with the new 1:20 scale engines being produced by Bachmann, Accucraft and Berlyn Motors. As a comparison a completed SPC Ventilated box car will run \$380.00 and a similar kit with everything would cost \$180.00)

D&RGW NG Standards

These clearance diagrams and track table are converted for F-scale (1:20.3) from the D&RGW narrow gauge standards diagram. To convert to G-scale (1:22.5) multiply inches given by 0.9022. To convert to A-Scale (1:29) multiply inches given by 0.7

MINIMUM TRACK CENTER CLEARANCES

TRACKS	MAIN	PASSING	SIDE	LADDER	FRT.HO.	STORAGE
MAIN	8.25"	8.25"	8.25"	9.5"	8.25"	8.25"
PASSING	8.25"	8.25"	8.25"	9.5"	8.25"	8.25"
SIDE	8.25"	8.25"	8.25"	9.5"	7.75"	7.75"
LADDER	9.5"	9.5"	9.5"	11.25"	9.5"	9.5"
FRT.HO.	8.25"	8.25"	7.75"	9.5"	7.75"	7.75"
STORAGE	8.25"	8.25"	7.75"	9.5"	7.75"	7"



GENERAL NOTES
 This diagram does not represent actual clearances as they now exist, but shows the clearances to be observed on all future constructions or reconstruction unless otherwise authorized.
 All minimum side clearances shown are for tangent track.
 For clearances on curved track, increase tangent clearances 1.4-inch for each degree of curvature, +- proper allowance for superelevation, if any.

Based on D.&R.G.W.R.R. CO. STANDARD CLEARANCE DIAGRAM NARROW GAUGE APPROVED CHIEF ENGINEER AUGUST 11, 1955
 CAD reproduction by Vance Bass Sept. 24, 1999
 Taken from John Norwood's "Rio Grande Narrow Gauge Recollections"

Below is a preference ballot for the second stage in the TGRS Railroad naming contest. This round will whittle the candidates down to the 4 most popular names. You should mark your first choice with a "1", second choice with a "2" and your third choice with a "3". Make copies of this sheet for everyone who wants to vote but put your name on the ballot. Only ONE VOTE per MEMBER Please.

TGRS Railroad Name Ballot Your Name _____

<i>Proposed TGRS Railroad Names</i>		
Full Railroad Name	Reporting Mark	Write 1, 2 or 3 next to your top three choices
Rattlesnake & Tumbleweed Western RR	RTW	
Tucson, Globe & Rillito Southern	TGRS	
Tucson, Greaterville, Rincon & Sierrita Ry.	TGRS	
Arizona Southern RR	AS	
Central Arizona Terminal RR	CAT	
Javelina, Sahuaro & Road Runner RR	JSRR	
Old Pueblo Railroad	OP	
Tucson, Grande, Rincon & Silverbell RR	TGRS	
Tucson Greater Regional Railroad	TGR	
Saguaro Mountain Railway	SMR	
Red Rock & St. David RR	RRStD	
Tucson, Gila & Rio Salado RR	TGRS	

Dues are due

June is the month TGRS dues come due. Send your check, MO, gold bars or live stock in the amount of \$30 U.S.Dollars (45.79 Canadian, 6.912544 Oz. of silver or 68,438.6 Italian Lira). to Fred Wray at

Fred Wray
875 S. Corte Monte Cristo
Green Valley, AZ 85614

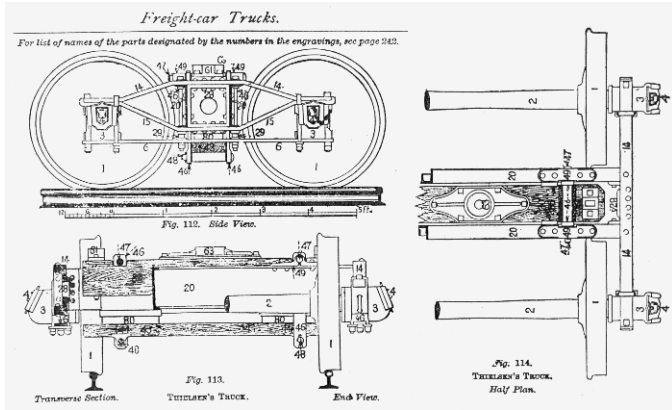
PS. Fred says his CCR's do not allow chickens or geese but goats and pigs are OK.

Photo Contest

Gary is announcing a photo contest. Send in a photo of your layout. We will then pick the best for the cover of the TGRS pamphlet. Send a copy of the photo me at:

Nick C. Buchholz
3401 W Blacksill Dr
Tucson, AZ 85741-1419





The Tucson Garden Railway Society is a non-profit corporation incorporated in Pima County, Arizona. Society members are interested in all areas of garden and modular large scale model railroading. We welcome new members and hope you will consider joining. Members help each other build layouts and learn about railroading and modeling.

The TGRS dues are \$30.00 per year and are due on June 30th of each year. For new members dues are prorated at \$2.50 per month remaining in the year until June 30th plus a \$15.00 initiation fee, the first year. Additional name badges cost \$1.00 for each badge after the first.

If you are interested in the TGRS please contact one of the officers at the phone number listed in the Calendar section below. If you just **have** to join immediately, send a check and your name, address and telephone number and the names for any additional badges to:

Jan Lathrem,
1750 West Tangerine Rd.
Tucson, AZ 85737

Calendar Update

Jun 23 - TGRS Meeting at Lee and Alan's

July 14 - TGRS Meeting at the Wray's

Aug - Open - no meeting scheduled as yet

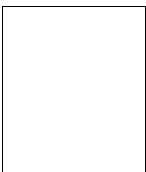
Sep 22 - TGRS Meeting at the Karrels'

Oct 13 - TGRS Meeting at the Anderson's

Nov 10 - Round-A-Bout, Meeting at the Eberbach's

Dec 15 - TGRS Meeting at the Martin's

President:	Gary Martin	(520) 299-7428
V-President:	Mike Dorgan	(520) 529-2430
Secretary:	Jane Dorgan	(520) 529-2430
Treasurer:	Fred Wray	(520) 648-5609
Editor:	Nick C. Buchholz	(520) 744-4932



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