

Lake Shores Limited

Newsletter of the Lakeshores Division of the Niagara Frontier Region,
National Model Railroad Association, Inc.

VOL. 5 NO. 39

ROCHESTER, NY

MARCH 2016

Next Lakeshores Division Meet: April 23, Webster, NY.



Sam Pennise, the webmaster of the LSD, has almost completed his On30 model railroad in Hammondsport, NY. Hammondsport, at the southern end of Keuka Lake, is the coolest small town in the USA.

NMRA Lakeshores Division Spring Meet April 23, 2016, Webster, NY

NMRA NFR Regional Convention – Algonquin Turn May 6- 8, 2016

News from the Division Superintendent *by Ray Howard*

Faller Car System *by Richard Senges, MMR*

News from the LSD "Super"

A couple days ago, I looked out my kitchen window and saw two robins, a woodpecker, and 15 starlings on my lawn (and tree), looking for food. Guess that means that Spring is going to arrive pretty soon and with Spring comes several Model Railroad events for our Division.

The date and place for our LSD Spring Meet has been set and I am getting the program for the day put together. (More information in this issue.)

We will have a booth at The Great Batavia Train Show on April 10.

Our Summer Picnic is all set and will be held at the Finger Lakes Live Steamers along with the Central New York Division, NMRA on Saturday, July 23rd.

The annual Regional Convention will be held in May (see info later in this issue). At the Convention, I hope to turn in our petition to move from the NFR to the NER. However, we still need at least 15 more signatures to guarantee the petition will be accepted by the Region and National office. If you have not yet signed, we need you to do this ASAP! You can contact either myself, or David Mitchell and we will find a time and place for you to add your signature to this important document. We will have the petition at the Meet and at the Train Show. Over 90% of our members said they wanted to move the Division to an American based Region. Now we need to get this finished and done for you!

My email is below, and that is the best way to get in touch with me. You can call me at: (315) 789-4801 as well.

Dave Mitchell - Phone: (585) 872- 5264, email: bdmitch@rochester.rr.com

Superintendent

Ray Howard
16 Ada Street
Geneva, NY 14456
rhoward1@rochester.rr.com

Lakeshores Division Website

www.lakeshoresdivision.org



The Algonquin Turn

The 2016 NFR Spring Convention
Friday May 6 to Sunday May 8, 2016

Date: Friday May 6 to Sunday May 8, 2016

Website: Algonquinturn.ca for the most up to date information.

Location: The convention will be held on the Woodroffe Campus of Algonquin College, Ottawa Ontario. Maps, driving instructions and more at www.algonquincollege.com/maps/.

Clinics: There will be three cycles of four clinics on Friday evening and four cycles of four clinics on Saturday morning.

Model Contest: The convention will feature the NMRA Achievement program judging, NFR model contest, popular vote and as a special feature a 'Peanut Butter Lid' Challenge. Models and Modelling are at the heart of what we are and this is your opportunity to bring your models to share, to invite constructive criticism if desired, and enjoy in the company of your colleagues.

Layout Tours: There are 24 layouts on the tour list with a wide variety of themes, scales, prototype and era represented.

Operations Sessions: Three area layouts have opened their doors for an operating session for convention participants, sign-ups will be on a first come, first served basis with priority going to out of town attendees

Banquet: The banquet will be held Saturday evening with live music before the meal and our guest speaker this year will be Trevor Marshall, a well-known model railroader who has been seen recently hosting clinic segments on Train Masters TV. The banquet will be catered at the College which has a well-deserved

local reputation for producing excellent meals as part of the training program for culinary and food services.

Accommodations: Accommodations in the Algonquin College residences which are in easy walking distance to the meeting rooms and will be at considerably lower cost than a typical hotel room. The convention has a block of 50 suites at a cost of \$80 per night per suite. These are two room suites which will help keep the cost down significantly for those travelling from out of town. Please see the accommodations page under the Attending? menu on the website for a full description of the facilities and booking information. There is also contact information on the registration form.

Convention Costs

- Normal Full Registration cost at \$80
- One day Saturday only registration at \$50
- Under 18 and Students rate of \$30.
- Banquet (not included in above) \$35

As this is not a public event, non NMRA participants will have to purchase a six-month Railpass membership at \$10.

All prices are in Canadian dollars, which means our US friends get a discount due to the current exchange rate.

Registration

A printable version of the Algonquin Turn registration form is attached, it is also available on the website, and most importantly, on-line registration and payment through PayPal is available on the website.



Algonquin Turn
May 6 – 8, 2016
 2016 NFR Convention
www.algonquinturn.ca

Algonquin College
 1385 Woodroffe Ave, Ottawa, ON
 K2G 1V8

Registration Form
 (Please print clearly)

If mailing, please send your completed form and payment to:

Algonquin Turn
c/o Registrar: Grant Knowles
57 Eisenhower Crescent
Ottawa, Ontario
K2J 3Z8

Last Name	First Name	First Name on Name Badge	
Address	City	Province/State	Postal Code/ZIP
Home Phone	Email Address		
NMRA Membership No.	Primary Scale: <input type="checkbox"/> HO <input type="checkbox"/> N <input type="checkbox"/> S <input type="checkbox"/> O <input type="checkbox"/> Large _____ <i>Other</i>		Do you want to help with the Convention? <input type="checkbox"/> Yes

Additional Registrant

Last Name	First Name	First Name on Name Badge
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Convention Fares	Unit Cost	Total
** NMRA membership required ** <i>All fares are listed in Canadian funds</i> 		
Rail Fare – Convention	\$80.00	
Day Pass	\$50.00	
Student Pass (18 years and under OR with Student I.D.)	\$30.00	
NMRA RailPass (required if you are not currently a NMRA member)	\$10.00	

Banquet (buffet style):	<i>Indicate number of meals</i> <input style="width: 40px;" type="text"/>	\$35.00	
		ea.	
Operating Session: <small>If participating, indicate your preference with a 1, 2 or 3</small> Boucher <input type="checkbox"/> Hood <input type="checkbox"/> Chase <input type="checkbox"/>		\$0.00	
Please make your enclosed cheque or Money Order payable to: St. Lawrence Division		Grand Total	
<i>Indicate method of payment:</i> PayPal <input type="checkbox"/> Cheque / Money Order <input type="checkbox"/>			

Algonquin College - Residence Conference Centre
 1385 Woodroffe Ave, Ottawa, Ontario, Canada K2G 1V8
 Main Phone: 1-855-782-9722 (613) 727-7698
In order to get the special Convention room rate, mention "NMRA Convention - Algonquin Turn"

For Convention Registrar's Use Only

Date Received: _____ Payment Reference #: _____ Registration #: _____

The *Faller* Car System

For Your 1:87 Scale Model Railroad

by *Richard Senges, MMR*

Faller Car System – the Basics

The basic *Faller* Car System is relatively simple consisting of a basic car or truck containing a motor, gear, worm, axel, wheels, body, rechargeable batteries, an on/off slide switch, slider with magnet, steerable front axel, and an internal reed switch.

A .020" wire is buried in a slot using 3mm plywood locating the wire flush with the top of the slot. A filler material secures the wire in the slot.

The filler material is sanded smooth making sure the wire is not too low or too high. A road is painted on top of the wire and plywood.

The car is turned on and set on a roadway. The slider, with a magnet on top, in the front of the car literally follows the wire. Recommended min radius is 150mm and max grade 12%.

The next level of complexity consists of many electro magnets which "hold" the cars at designated places for planned times, similar to the German *Miniature Wonderland* layout.

One can also purchase *Car System Digital 3.0* cars with sophisticated electronics along with control boxes, digital satellites, etc. to create a much more complex *Car System Digital*.



Coal Truck: The left image shows a *Faller* Car System vehicle, the Coal Truck. Note the slider in the front of the truck. The right image shows the bottom of the truck with the contact slider/magnet, charging port, tires, gear, worm, shaft and on-off slide switch. A reed switch, motor, and two rechargeable batteries are inside the truck. This is a basic *Faller* Car System truck, not the *Car System Digital 3.0* truck.



Above - The Charger and Wire: The AC Adaptor (charger) is on the left and the *Faller* .020" Contact Wire is on the right.

Right - The Test Track: A 20' test track was constructed of multiple 3mm plywood sections screwed to a 2' x 11' wood work table for concept testing purposes. The truck performed well. For a demo contact Dick Senges, Victor, NY at OCRR@frontiernet.net

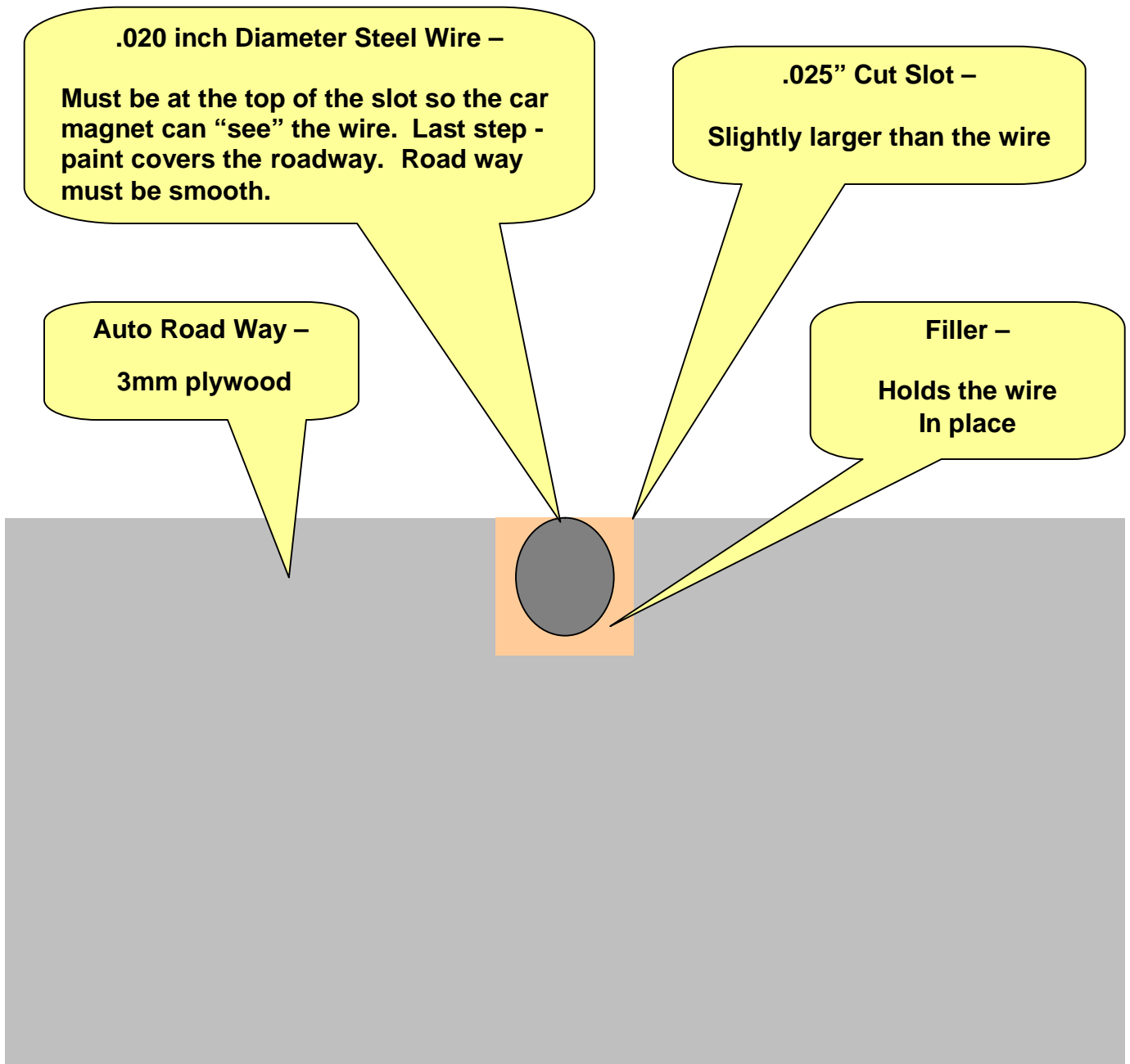
Learnings:

1. The .020" wire must be laid per the instructions. (I used a *Dremel* rotary tool with the standard cut off disc and cut a 0.025" slot. Then used white glue to hold the wire in the slot.)
2. Wire must be "at the surface of the slot" so that the slider can virtually "ride on the wire".
3. The radius can not be *too sharp* as the car will continue to curve and veer off the wire. (The *Faller* spec radius is 150mm [six inches] and the max grade is 12%.)
4. The filler should "fix" the wire but not be too thick as to create a large barrier between the slider and the wire. (I used wallboard compound which was very easy to sand.)
5. **Care must be taken** in wire laying just as care in laying scratch built track and turnouts.
6. Uniform wire laying is important.
7. The dirt slurry on my layout appears to rough for the slider to track properly. And would create significant wear on the contact slider.
8. Slitting pink 2" foam did not work as the wire was not smooth and uniform to the surface.
9. The coal truck appears a little larger than 1:87 scale, but would pass in a modern era layout.
10. The truck crossed a RR track on the test track as the wire was laid continuously and the rail cut.

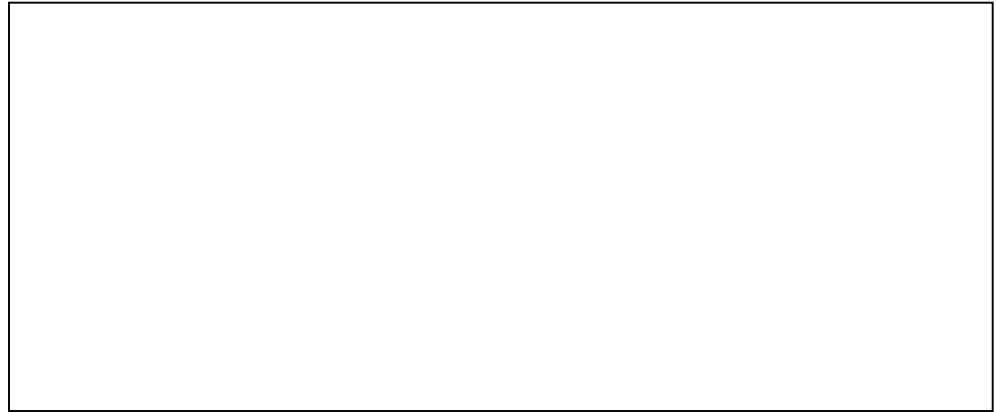
Faller Car System

Slot and Wire

End View – not to scale



**NMRA NFR LSD
c/o Ray Howard
16 Ada Street
Geneva, NY 14458**



**QR Code
to the NMRA
Lakeshores Division Website**



Next LSD Meet – April 23, 2016
United Church of Christ, Congregational,
570 Klem Road, Webster, NY 14580