eCARIBOO

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The eCariboo is published by Paul J. Crozier Smith as an electronic newsletter for the enjoyment of theose modelers and railfans of the BC Rail and its predecessor lines British Columbia Railway, Pacific Great Eastern Railway, Howe Sound & Northern Railway and the Howe Sound Pemberton Valley & Northern Railway.

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Modelling a Leased UNPX Cylindrical Covered Hopper
By Craig Aguiar-Winter

Recently I was reading issue #36 of the *Cariboo*, and was intrigued by the various covered hoppers that were leased by the BCR in the 1980s to build up the fleet used for transporting grain. Shortly after, I was wandering the aisles of my local hobby store and found a variety of Intermountain Cylindrical Hoppers on sale, one of which was a salmon coloured Saskatchewan Potash Corporation car. Remembering that these cars were among those leased during my modeling period, I figured it would be a good candidate for new and unique addition to my fleet. The following are excerpts from issue #36 of the *Cariboo*, article by Andy Barber:

"Immediately following the Sept. 1985 inclusion of the BC Rail in the federal grain subsidy, the railroad signed a short term lease with Procor for 20 cylindrical hoppers currently in potash service with the Saskatchewan Potash Corporation. Ten of these cars were online by November 1985. By the next month 17 were actively hauling grain, and all 20 were on the roster by January 1986.

In September 1986, BCOL 120292 was returned to Procor. The return program was accelerated in October, and was virtually completed by the end of November. By mid-December, all cars had been re-stencilled to their original UNPX numbers and returned Procor. Two footnotes to this short lived lease are worth mentioning. The 20 cars that were leased were not from a particular sequence, yet were selected with maximum revenue in mind. Procor owns about 400 of these covered hoppers. They are numbered UNPX 120000-120401. All have a capacity of 4650 cubic foot, and all but 20 of them are rated at 1999000 pounds, and it is these specific cars that BC Rail leased. Their numbers are as follows:

UNPX 120202, 120208, 120249, 120228, 120205, 120234, 120261, 120283, 120217, 120237, 120266, 120287, 120220, 120243, 120271, 120290, 120227, 120246, 120275, and 120292.

For grains such as wheat, rye and flax, the extra 4000 pound capacity was not a factor since for these grains the capacity was reached. For oats and barley, the extra 4000 pounds of loading meant more revenue…"

The following describes how a few easy changes to this model can result in a good representation of these cars (See note). The following is a list of what is required to make this model; artist's eraser, black paint, CDS dry transfers Set N-237a, BCOL 50ft Combination Door Box Cars (if you can not find the CDS dry transfers you could also use a decals from ORO Decals set OCN-85a), Woodland Scenics dry transfer MG726 Gothic numbers – black 1/16" size, dull coat and the hopper car of course.

The first step is to remove the number and reporting marks from the side of the car. You want to leave all other markings untouched so use masking tape to mask off the side of the car leaving only the desired markings uncovered. Then rub gently using a white artist's eraser, just as you would if you were erasing pencil. Check regularly to make sure you are removing the markings evenly and that you are not rubbing right through the paint. Once the reporting marks are removed, remove the tape.

On the prototype, the UNPX reporting marks were simply painted over with a black rectangle. The white BCOL reporting marks were then stencilled on top so the next step is to paint this black rectangle. It was located above the number so when locating it on the model, be sure to place it high enough to leave enough room for the dry transfer numbers. What worked for me was to use the Woodland Scenics numbers themselves as a reference. I placed a piece of clear tape where I thought the bottom of the rectangle should be and then checked after by holding the number sheet in place. I had to reapply the tape a couple of times to get the height correct the end result looked good. Based on the photo in *Cariboo*, I think it should be located at roughly the halfway point up the side of the car. Next mask the rest of the rectangle using the BCOL dry transfer as a template to ensure the rectangle is large enough for the letters. Photos of the prototype are very helpful for gauging the size and placement the rectangle. Also, be sure the rectangle is parallel to the bottom edge of the car. Repeat this step on the other side and then mask off the rest of the car. I sprayed the black using CN Sig Lines Black, thinned 50/50 and applied with an airbrush but any black would be fine.

Once the black has dried remove the tape and apply the BCOL dry transfer. I used a pencil crayon but any soft pencil will work.

Next apply your number of choice. Start by applying a piece of clear tape to serve as a straight edge while applying the numbers. Locate it so that when you apply the numbers they are centered between the markings above and below them. Pay close attention to the spacing between the numbers as well as the aim is to have even spacing between each one as you would see on the prototype.

At this point the model is nearly complete and requires only the application of a clear coat. I used Testors Dull Coat. As many of you would, I plan to weather the model but I still recommend a clear coat at this point to prevent any damage to the dry transfers.


This project was fairly easy as far as a lot of efforts go. It can be done in one night if you have a few hours to kill and can be a nice break from something else you may be working on that's taking a long, long, long, time to build. Good luck and enjoy.

Note: As it turns out the model I started with, and pictured in this article, is actually the wrong one. I discovered this after I had already begun modifying it. The correct one looks identical but also has the Saskatchewan Potash Corporation name to the left of the logo. The correct version is also available from Intermountain in both HO and N scales.

Building BCOL 990325 Wheel Car
by Mark Giles

British Columbia Railway has a few wheel cars, this is the first in a series of scratch building projects. I choose this one first, because it is the simplest to build.
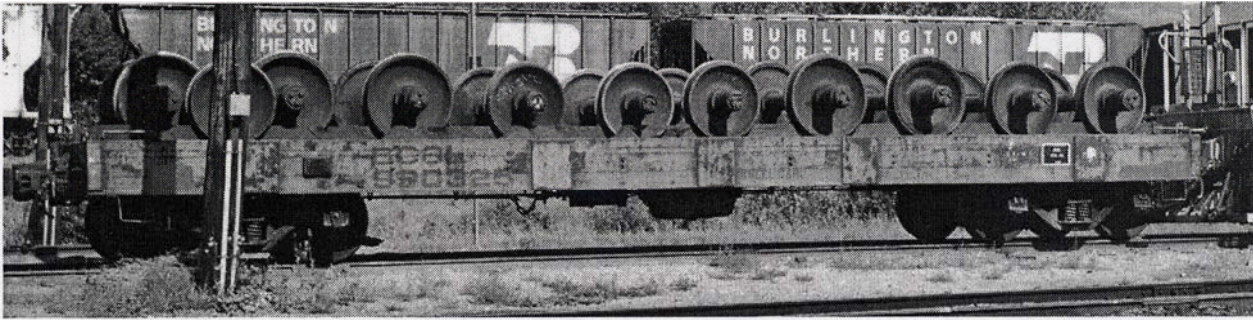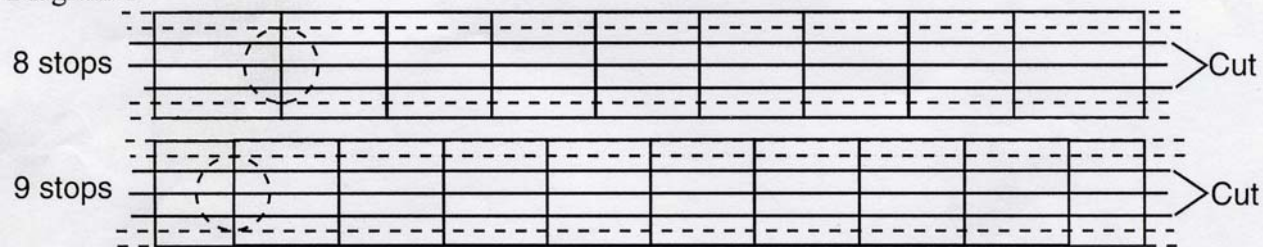
BCOL 990325 Wheel car

First cut a piece of 0.040 scribed siding 8' 6" x 39', use the under frame drawing as a template next using two pieces of 0.015 4' x 38' use diagram 1 and draw out the lines, then using a 3/8" leather punch. Punch out the holes by placing the punch in the centre of each '+' Drawing 1 is to scale

Diagram 1

8 stops

9 stops

Now cut the solid lines as shown, keep the outer pieces as these are the wheel stop rests, glue each of the four pieces to the centre of a 0.020 x 0.080 thou 38' long, to form a 'T' with the hole up. Glue a piece of 0.010 x 0.080 thou to the end as shown this will act as the top wheel stop we will be adding a strip of 0.010 x 0.080 though to the top latter.
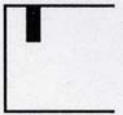
Draw a centre line down the deck piece you cut earlier. From the centre out draw a line at 2' and 3' on both sides of centre. Now glue the wheel stop strips to these four line making sure that there is a 8 stop and a 9 stop on the same side as shown to the right.
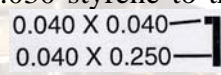

End View
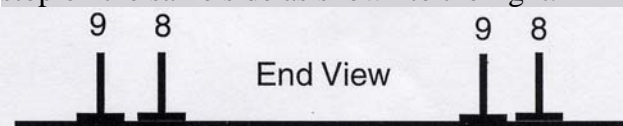
Under frame
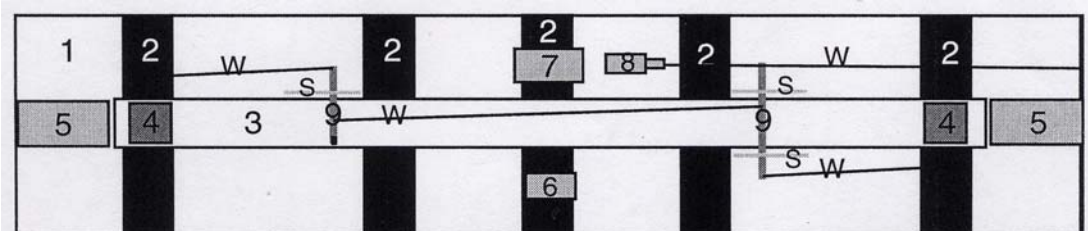
1. Floor 38 x 9.5 foot
2. supports 0.100 x 0.250 x 1.140 inches
3. 2 x (0.100 thou 0.250 x 4.4 inches) on top of each other

4. 0.100 x 0.250 x 0.250
5. Coupler box, I used Kadee and shim to height best to do at the end
6. Tripplex valve from scrap box
7. Air Reservoir from scrap box
8. brake piston form scrap box
9. 0.020 x 0.040 thou and cut to the drawing
S. Staples
W. 0.020 piano wire cut as per drawing

After cutting the floor, glue the cross braces #2 to under frame, when dry use 0.100 x 0.250 styrene to fill in the spaces and then laminate a piece 4.4 in.long to the top of the other pieces and you have part #3. Number 4 is a square of 0.100 x 0.250 x 0.250 glued in the centre of #2 and #3, drill into the centre of this piece to except the truck screws. Using parts from your scrap box install #6, #7, #8. Using ordinary staples 'S' place as shown and glue to side of #3, leave space for the brake levers #9. Cut brake levers out of 0.020 x 0.040 thou styrene, to the length as shown on drawing. Use 0.020 piano wire 'W' and cut and glue as shown. if you want to add the other air line you can do this now. But do not glue coupler boxes in.

When every thing is dry, glue the top floor to the under frame, it is best to glue it together, then turn upside down and place on a flat surface with some weight on it. Now let it dry, be paient, as if you move to it might warp.

The side sills are done by first gluing a piece of 0.030 x 0.030 styrene to the top, side edge of three

0.040 X 0.040 ⌐
pieces 0.040 x 0.250 styrene five inches long, as shown to the right.   0.040 X 0.250 ⌐
Now using the under frame drawing cut two of the three stripe to the same length as the sides. Cut the other piece into two pieces for the ends, remember to add 0.500 for the side thicknesses. Notch the 0.040 x 0.040 square stock on the ends to account for the ones on the sides. Use the side sill drawing below to place 0.200 x 0.010 strips vertically, to aline with the frame supports #2. Now glue a 0.010 x 0.100 thou styrene strip 0.130 long to the side as shown 'T'. Using 0.020 x 0.060 thou, glue a strip at both ends as shown 'E'. do both sides the same.

Side Sill drawing

| E | | □T | | | | | | E |

End sills using the two pieces you cut earlier, cut a notch in the end to match the drawing below it should be 0.250 x 0.130 thou. now line the edge of the hole with 0.020 x 0.040 styrene, with the 0.040 facing the end. Glue the 0.040 side to the ends sill.

End Sill drawing | E | □ | E |
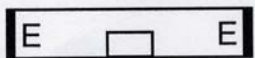
Now we glue the ends to the sides. This is best to do upside down on a pieces of glass. Using steel squares. Aline the parts in a rectangle with the 0.040 x 0.040 down. Glue the edges to gather. Do not move till dry. Once dry glue 0.020 x 0.060 thou strips to the ends as shown in the End Sill drawing above 'E'. Making sure that you cover up the other 'E' edges from the side sills. When all dry slide the sills over the floor and glue in place. I found that painting the floor, weathered black before gluing easier then masking. It was easier to mask for the yellow after it was assembled. You could paint the side sill before assembly but I found that it was hard to drill for bolts and grab irons. Placement of grab iron are as shown in the over all drawing below. 'B' irons are drop end and the 'S' is the straight type if you what to place Grant Line bolts in, it is a nice touch.

```
B ||-S                                    S-|| B
                    TOP
B ||-S                                    S-|| B
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Finishing the model, we have to add the trucks Barbar 100 ton and you favorite couplers. Adjust the coupler height with styrene shims to the right height. Now add a piece of 0.010 x 0.080 to the top of the small pieces you put on the side for the wheel stands at all four ends. look as picture below. If you want to add wheels use those old cheep ones you pulled off your cars, if you want nice wheels use Titch Trains Group #293-3010. Now add chain that goes over the first four axles fasten using wire and drill a small hole at centre of floor under the first and fourth axle. Glue wheels and chain in place. As for decals I made my own using my printer, and printing on clear decal paper. Below is the complete set. Decal and weather as shown. You now have a unique car to run.

Decals

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BCOL        BCOL
990325      990325
BCOL        BCOL
990325      990325
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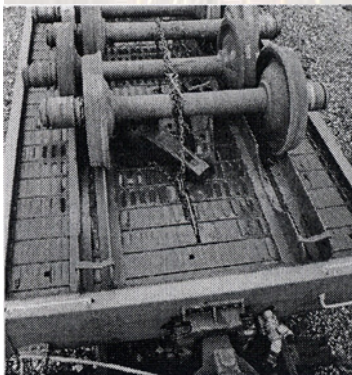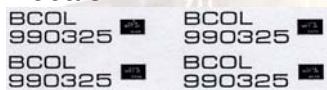

NEW PRODUCTS OF INTEREST
by Tim Horton

HO Scale

Atlas Model Railroad Co. has announced a Phase 2b ALCO C-420 locomotive in HO Scale. It will have the correct low engine air intake and sill-mounted handrails, and will accurately represent BCR Nos. 631 and 632 as first received and repainted by the railway. The following versions are of interest:

#10 000 055   Lehigh & Hudson River Railway No. 26
(This version represents No. 632 as operated prior to repainting by the BCR.)
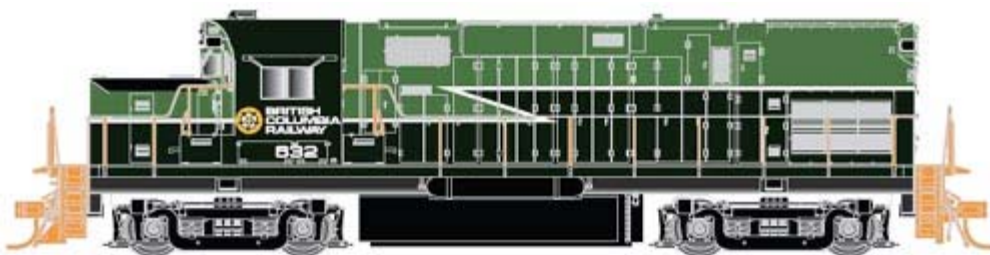
#10 000 053   British Columbia Railway No. 631
#10 000 054   British Columbia Railway No. 632
(These versions represent Nos. 631 and 632 as first repainted by the BCR in 1973.)

#10 000 004   Undecorated without nose headlight
(This version would be a suitable starting point for modelling these locomotives as rebuilt with revised radiator section by the BCR in the late 1970s/early 1980s.)

Estimated delivery is January 2008 and MSRP is $149.95 USD. These models will also be available in the Master Series Gold with decoder and sound for $259.95 USD. These models will be done in N Scale.

HO Scale [cont.]

Another run of the 53' Evans double door boxcar is scheduled for release in November 2007. Included are three new numbers for British Columbia Railway: 800502, 800520, and 800539. MSRP is $20.95 USD.

Other announcements of potential interest to BCR modellers include a new 89'-4" twin trailer flat car, a new 20,700 gallon non-insulated tank car, and 1978 Ford Fairmont Station Wagons.

BLMA Models has announced several scenic products of potential interest to BCR modellers. They include Concrete 'K-Rail' barriers and Concrete Car Stops for roads and parking lots, etched chain link fence, a modern yard office, a trackside equipment shed, and brass truss bridges.

The Trackside Equipment Shed (#4305) will sell for $9.45 USD. It is a replica of the BCR speeder sheds at Chetwynd. You can check out these new products at www.blmamodels.com and order them online or through your hobby shop.

Railflyer Model Prototypes Inc. offers a range of etched metal parts for superdetailing Canadian GMDD SD40-2 locomotives. You can check out the parts at www.railflyermodelprototypes.com and also obtain ordering information.

Wm. K. Walthers Inc. has announced an extensive range of new and re-releases for the coming year, including Gold Line Canadian 50' Bulkhead Flatcars in BCIT and BCOL, Gold Line 72' Centrebeam Flatcars in BCIT,

Gold Line Difco Dump Cars, Proto 1000 NSC 50' Newsprint Boxcars in BCOL (single cars and limited run two-packs), numerous structures and detail kits for modern grain facilities, and re-releases of some well-known structure kits. The new catalogue is viewable online at the Pacific Western Rail Systems website.

N Scale
Atlas Model Railroad Co. has recently announced a new run of their 53' Evans double door boxcar, including three new numbers for British Columbia Railway. They are due in November 2007.

Also recently announced by Atlas are new runs of the 50' Flatcar with Trailer including two new numbers for BC Rail, a new run of the 33,000 gallon tank cars, and 1978 Ford Fairmont Station Wagons. The BCR RS-3 locomotives are now in hobby shops. Available road numbers are No. 559 and 570.

BLMA Models has announced several scenic products of potential interest to BCR modellers. They include Concrete 'K-Rail' barriers and Concrete Car Stops for roads and parking lots, etched chain link fence, a modern yard office, a trackside equipment shed, and brass truss bridges. The Trackside Equipment Shed (#4305) will sell for $8.45 USD (see drawing in the HO section above). It is a replica of the BCR speeder sheds at Chetwynd. You can check out these new products at www.blmamodels.com and order them online or through your hobby shop. The yard office is also typical of modern BCR structures.

GHQ Models has released a pewter kit for a Fairmont Speeder. With some modification, it could be made to represent a BCR speeder. The catalogue number is #50007 and the price is $7.95 USD.

Motive Power Department Notes
By Paul Crozier Smith

CN has retired some more of the RS-18u's, 622 in January 2007 and 619, 620 and 621 in June 2007. This leaves only eight left. Otherwise the SD40-2's, Dash 8-40CMu's, Dash 9-44CWL's, Dash 9-44CW's and B39-8's remain intact.


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Complete: 2007-09-18
          1706hrs
          PJCS
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