



SL-and-N construction blog

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04-25-2018, 09:54 AM #46

How about you make it a down swinging section? Hinge one end and use aluminum L brackets under the top of the section to align the other end. Using the 'solder the rails to brass screws' idea, there will be no track alignment problems and it will all be light weight. Since there will be minimal scenery on it the only concern should be moving past the bridge when you use the door. This too can be addressed by making the bridge section slightly longer on the hinged end so when it's dropped down, the actual bridge clears the door to allow full width access through the doorway.

Is that a clear enough description of what I'm suggesting?

The V & T lives in my garage. Soon...

Norton

04-25-2018, 10:02 AM #47

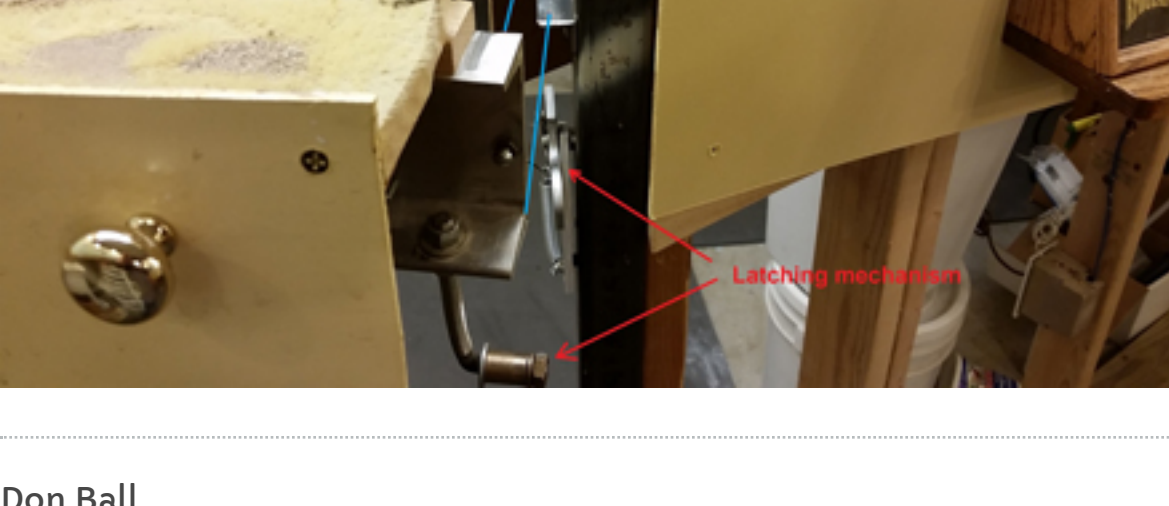
Dave, Check out eBay for surplus aluminum structural material. A company (80/20.com) sells surplus on eBay. A couple of 1"x2" 4' long pieces of T-slot would give you the strength, without warpage yet lightweight.

Jim

Take the red pill

04-25-2018, 10:10 AM #48

Here is a photo of my gate showing the latch end with most of the construction features.



Don Ball

Stockton & Copperopolis RR

04-25-2018, 05:45 PM #49

quote:

Originally posted by deemery

The section will be "normally removed," so I'll definitely need to build this to make sure it doesn't warp, etc. The plywood section in front of the electrical closet is different from the removable bridge so you can get to the main shop/living space in the basement. On the track plan, this is the section in yellow at the bottom center of the drawing.

dave

Dave,
You're right. I was mistaking what you were asking.

The suggestions you're getting look very good. If you want more ideas, at least once a year there seems to be an article in the hobby press on movable sections. Swing up. Swing down. Swing horizontally. You might do a search with the Kalmbach magazine index.

Mike

I was so much older then, I'm younger than that now *Bob Dylan*

04-26-2018, 04:54 AM #50

quote:

Originally posted by BurleyJim

Dave, Check out eBay for surplus aluminum structural material. A company (80/20.com) sells surplus on eBay. A couple of 1"x2" 4' long pieces of T-slot would give you the strength, without warpage yet lightweight.

Jim

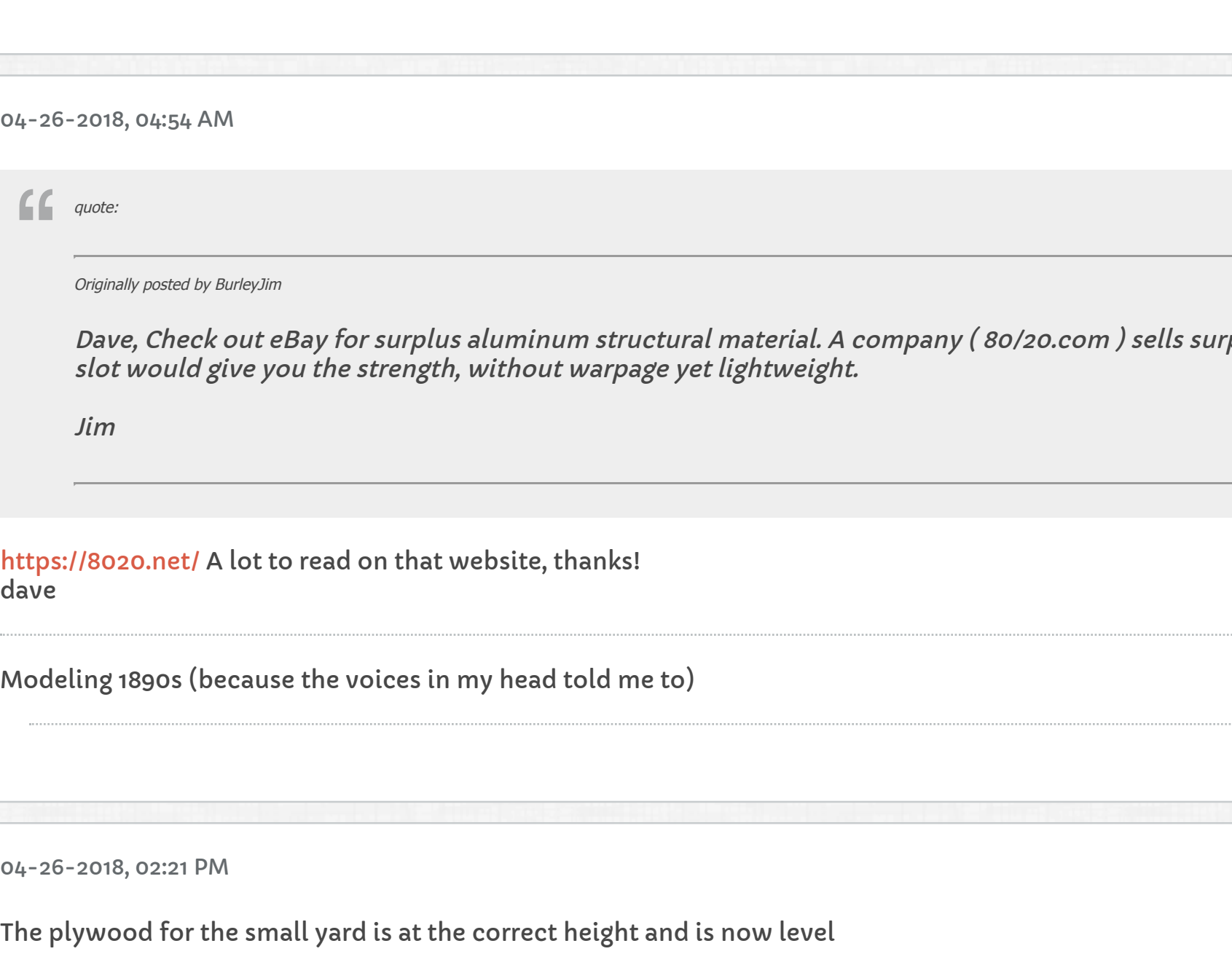
<https://8020.net/> A lot to read on that website, thanks!

dave

Modeling 1890s (because the voices in my head told me to)

04-26-2018, 02:21 PM #51

The plywood for the small yard is at the correct height and is now level



I decided I needed to actually buy a good quality 4' level, the one I've been using is a cheap plastic one that I found alongside the road. This will get a layer of homasote (so it'll hold spikes).

I sent a note to the 8020 people asking about hinges and latches for a drop gate made from their aluminum track.

dave

Modeling 1890s (because the voices in my head told me to)

04-27-2018, 09:53 AM #52

My Homabed is supposed to ship today or tomorrow.

dave

Modeling 1890s (because the voices in my head told me to)

04-27-2018, 11:20 AM #53

And the 8020 aluminum parts are now on order, too. I'm going to do a drop-down gate, rather than a swing gate like Don shows. 8020 makes barrel deadbolts that should be perfect for latching the gate in its upright position. I got some flush head screws, I'll mount MDF on top of the aluminum and then glue the track to that.

I've pretty much run out of single person benchwork projects, the next couple of things (cutting and then installing splines, also cutting down a sheet of homasote) will require some more hands. So I'll start on the 4 curved RH turnouts I need (FastTrack jigs arrived yesterday.)

dave

Modeling 1890s (because the voices in my head told me to)

04-27-2018, 11:53 AM #54

I'm sure your wife will be more than happy to help you! 😊

if I lived closer I'd love to help you Dave.

Jerry

"And in the end, it's not the years in your life that count. It's the life in your years." A. Lincoln

04-27-2018, 12:44 PM #55

I've learned the hard way wife is not a good helper. In part that's because I tend to assume she knows/has more experience than she does have, and more importantly due to physical limitations. She does help me with other things (it's very helpful to have a formally trained artist in the house when you're trying to mix/match paint colors...)

dave

Modeling 1890s (because the voices in my head told me to)

05-01-2018, 01:33 PM #56

If you look at the previous photo, my original plan was to run the small yard all the way to the right (and put a turntable there so I could reverse trains without using the 0-5-o.) But after talking with Craig Bisgeier, he pointed out that would substantially restrict access to the small yard throat. So I went back to the original track plan and curved that section. Now I can step in and reach the yard throat.



I used a pair of biscuits between the two pieces of plywood to help keep them level/flush.

dave

Modeling 1890s (because the voices in my head told me to)

05-01-2018, 02:31 PM #57

Dave,
Craig is right; he saved you some heartache. However, I also think you are right in wanting a turntable. You might consider putting one at the other end of the yard, off the mainline, with the center of the turntable just about where you indicate '30' R' on your plan.

Mike

I was so much older then, I'm younger than that now *Bob Dylan*

05-01-2018, 02:45 PM #58

Adding a TT where you indicate would reduce the train length in the small yard (which is primarily for staging), but that's certainly worth a look. Any suggestion for a TT kit? (I should have bought 2 of the Sellers TT kits when they were available.)

dave

Modeling 1890s (because the voices in my head told me to)

05-01-2018, 02:56 PM #59

quote:

Originally posted by deemery

Adding a TT where you indicate would reduce the train length in the small yard (which is primarily for staging), but that's certainly worth a look. Any suggestion for a TT kit? (I should have bought 2 of the Sellers TT kits when they were available.)

Dave,
I wasn't very clear. I meant that it would go on the outside of the mainline, tucked into the area available where the mainline curves to cross the movable section. I think it's what you were considering but at the opposite end.

As far as turntables I too regret not picking up a couple of the Sellers kits, but my memory is that they were not cheap and they were untested. I would like to have seen some built before I invested but they were gone long before then. I am considering scratchbuilt or a 3D print of my own. I would need to relearn CAD.

Mike

I was so much older then, I'm younger than that now *Bob Dylan*

05-01-2018, 04:41 PM #60

Here are two turntables that happen to be on sale right now.

The first is a 110-130 ft table: <http://scale-structures.com/ss1124>

The second is a 70-90 ft table: <http://scale-structures.com/ss1126>

The V & T lives in my garage. Soon...

Norton

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