G3 track 64mm gauge (2.52” gauge). Peter F Davis, December 2022

I started by making a section of track for display, then one thing lead to another:

1, Curves are 18 degree by 700mm radius on center. 20 pieces for a circle. I also made a 9 degree by 700mm radius piece. Rails slide into the ties using the assembly jigs and are glued.

2, Straight 300mm and 120mm long are assembled using the jig and glued also.

3, crossing, add the ties 30mm from the track ends.

4, Turnout, start with the two 3-tie sections pushed together, drop in the frog rails and then the point rails. Using a piece of filament for the pivot. Next slide the two straight rails and two curved rales in. (Remember the jointers). Adjust these so they clear the point ends. Now slide the two-tie sections on the straight ends and the one-tie on the curved end, 30 mm from the rail ends. Hold a straight edge against the ties on the straight rail side and check alignment before gluing.

4a, The straight side of the turnout is 600mm long and equals two sections of 300mm straight track. The curved side equals 2 sections of curved track (36 degrees) plus 120mm straight track.

5, Point throw has two pieces of 1mm wire that hold the points in position via flats on the lever. I screwed the throw base to the ties with #2 wood screws. Bending the connecting piece may take a few tries.

6, End Stop is pinned with bits of filament and clued.

7, The various holes will need to be drilled to size

8, Running, I use 5 links of G1 coupler chain. 700mm radius is very tight!

9, The figure 8 Track has 30 curved pieces 8 straight pieces and one 90 degree crossing. Weight 1560g.

10, I used eSun PLA+ black and gray.