

Gingerbread Christmas Cars

3D printable traincars



Print it in Gauge 1 O Gauge HO/OO

Included in these files:

3D files for printing Build guide

Model shown:

Flatcar, Tankwagon, Coalwagon

Welcome to your new festive traincars

This document will guide you through all the necessary steps to build yourself a set of festive gingerbread, Christmas themed traincars. The selection consists out of a flatcar with a Christmas tree and gifts, a tank wagon for hot chocolate, and a coalwagon for chocolate coal. Unfortunately, the cars are not really edible.. But that only means that you can enjoy them longer.

For now we wish you happy building.

Pages 2 - 3 **Part 1: Introduction**

Pages 4 - 15 **Part 2: Shared frames**

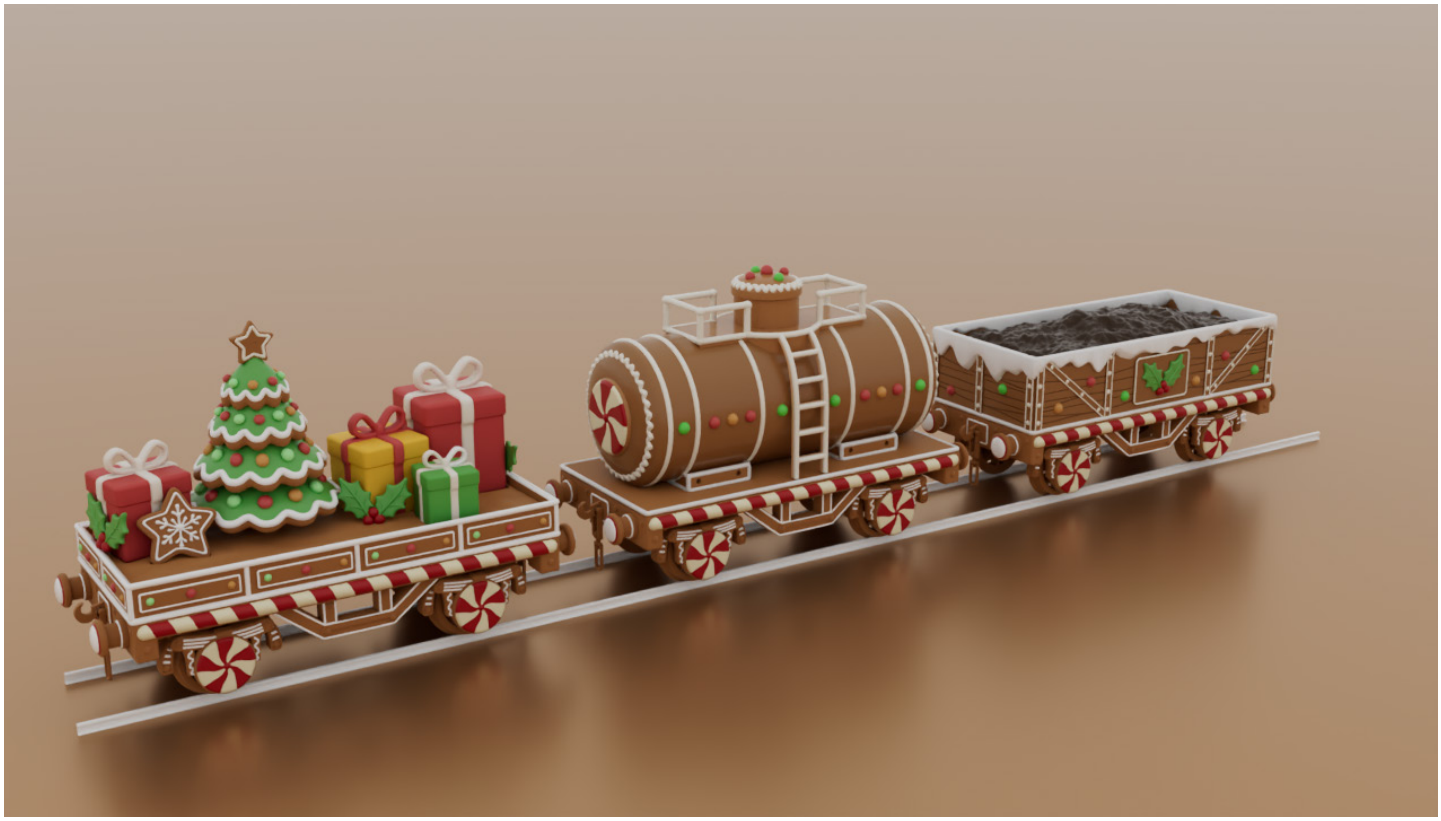
Duplicate parts used in every traincar.

Pages 16 - 30 **Part 3: Flatcar with gifts**

Pages 31 - 44 **Part 4: Tank wagon**

Pages 45 - 58 **Part 5: Coal wagon**

Part 1: Introduction



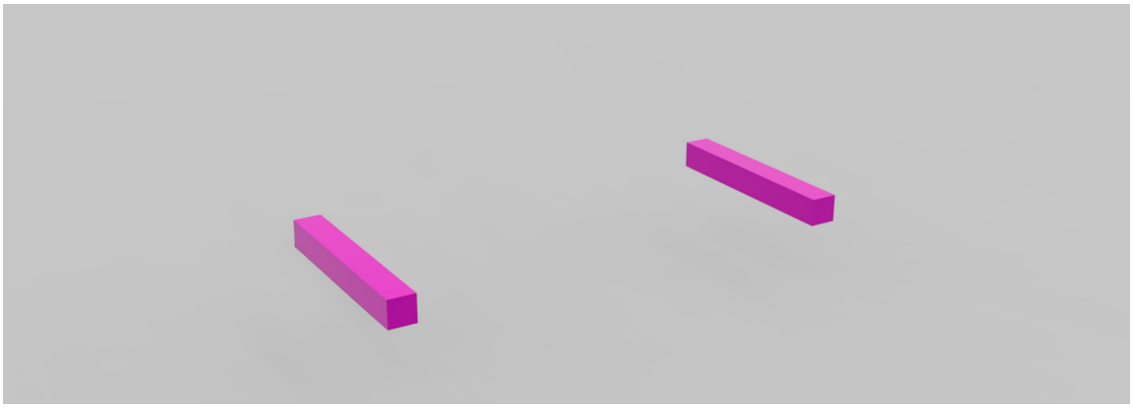
With these files for the gingerbread traincars you can print and build as many pieces as you want for a very festive train. Enjoy the holidays!

Part 2: Shared frame

Undercarriage

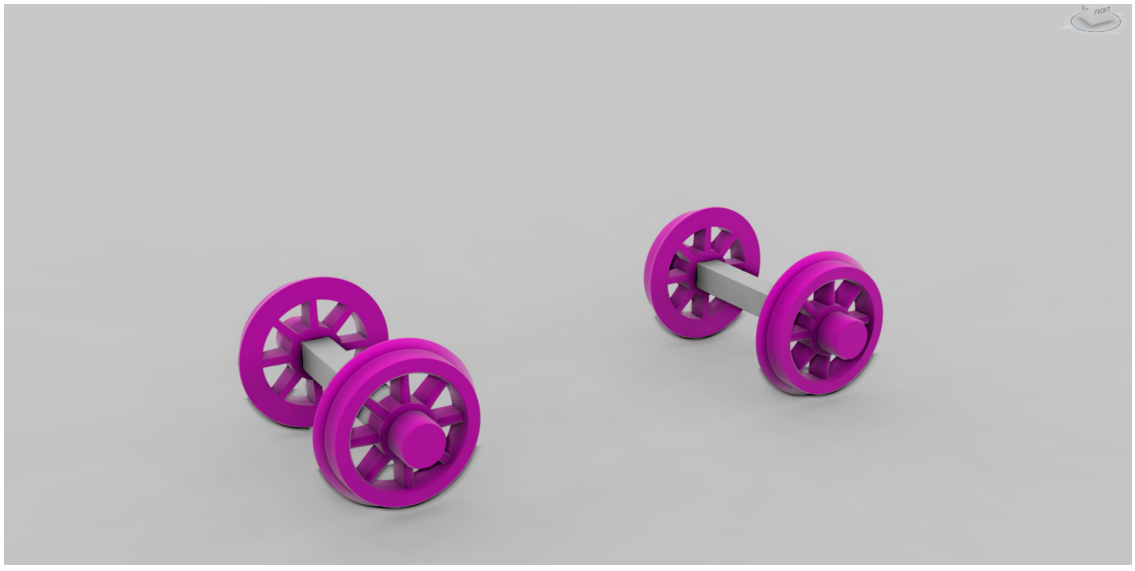
These following instructions show you how to assemble a frame including the wheels for the cars. All cars in this set share the same frame. So, you will need to assemble a frame for each traincar.

1. Parts: Axle_2X



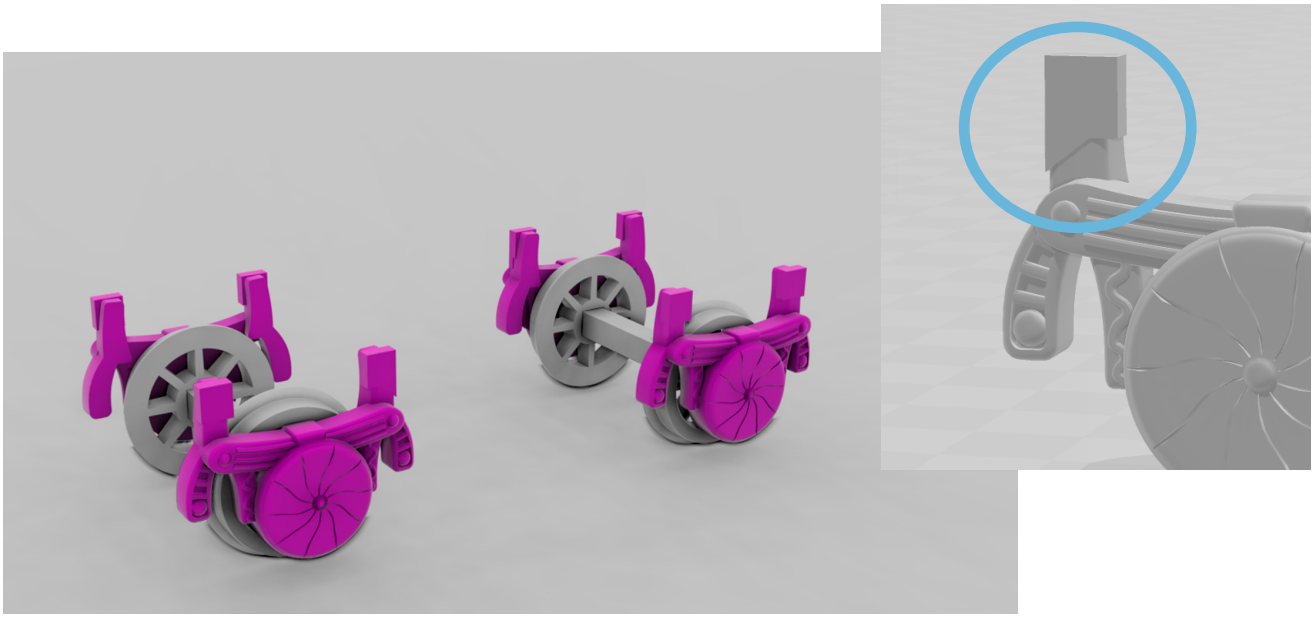
Find 2 axles to start the build.

2. Parts: Wheel_4X



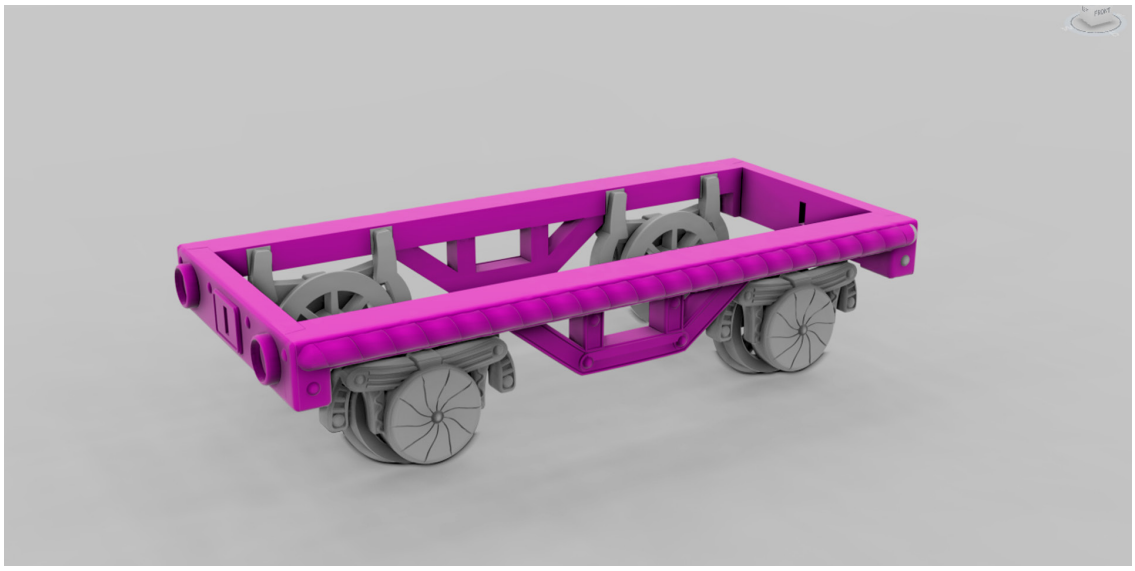
Take 4 wheels and glue them onto the two axles as shown here.

3. Parts: Axlebox_A_2X, Axlebox_B_2X



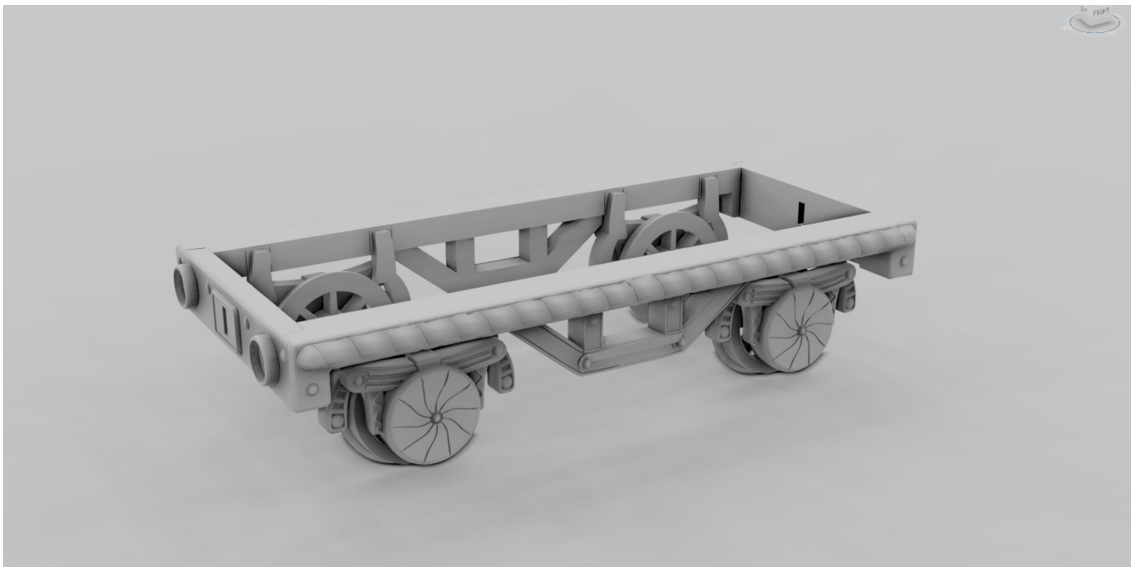
Take the two sets of axleboxes and place them loosely on the axles. Make sure that the parts with the downward facing corner are facing to the inside of the assembly as shown here, that way they will align with the rest of the frame in the next step.

4. Parts: Bufferbeam_2X, Side_Frame_L, Side_Frame_R



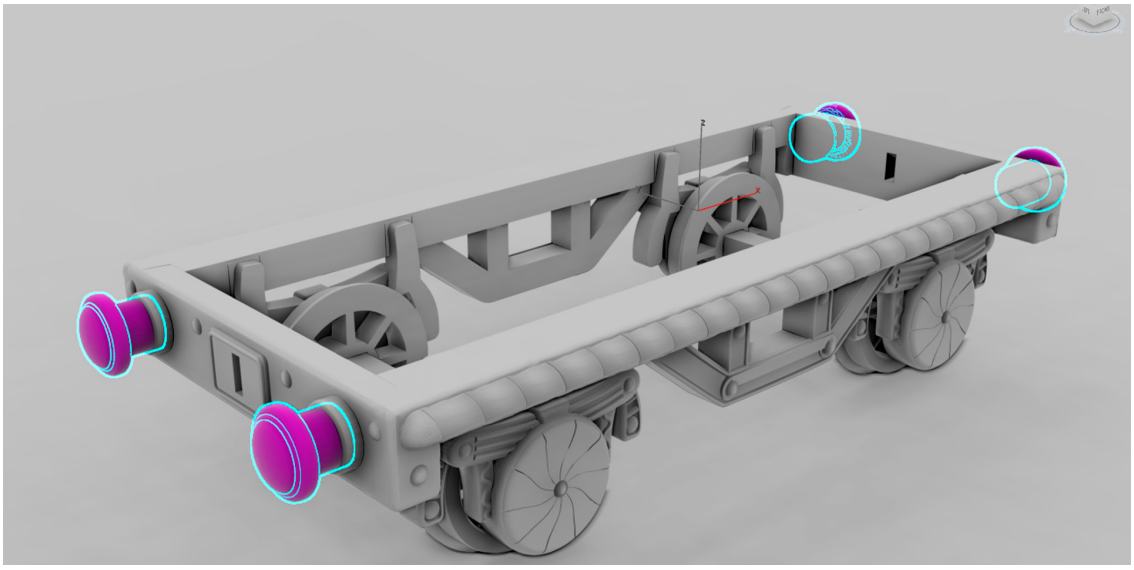
Glue the frame sides to the bufferbeams as shown, then slide the axleboxes into the frames and glue them in place. Make sure the wheels can rotate freely inside the axleboxes.

5. Parts: --



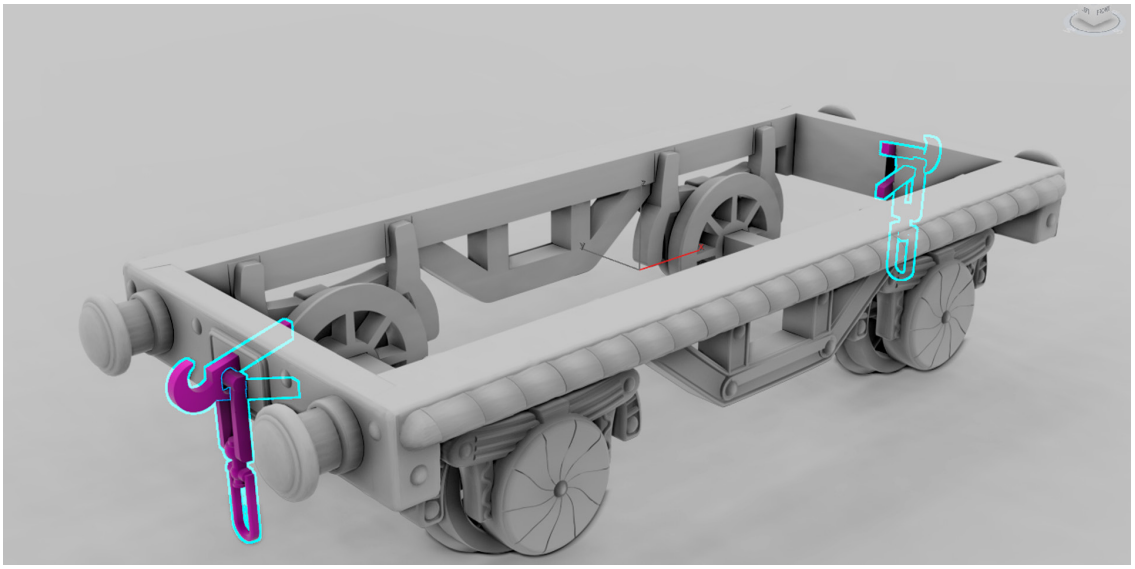
The main part of the frame / undercarriage is now done.

6. Parts: Buffer_4X



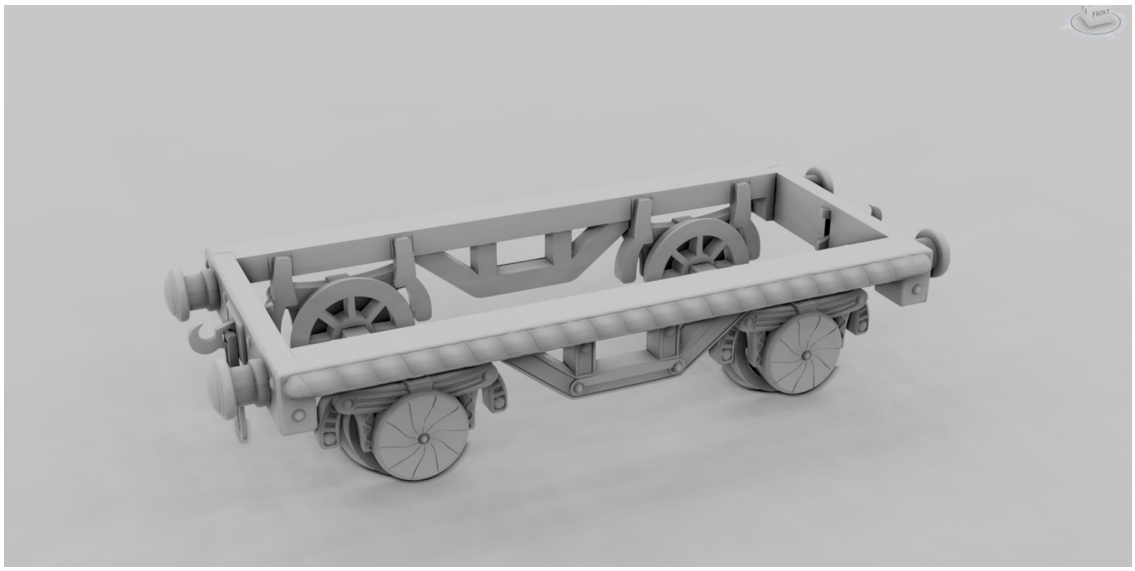
Print the 4 buffers and glue them in place on both sides of the assembly, as shown.

7. Parts: Coupling_Hook_2X, Coupling_Chain_2X



Place the coupling hooks in their holes as shown and glue or melt them in place. Make sure that the coupling chain can still move around relatively freely inside the fixture.

8. Parts: --



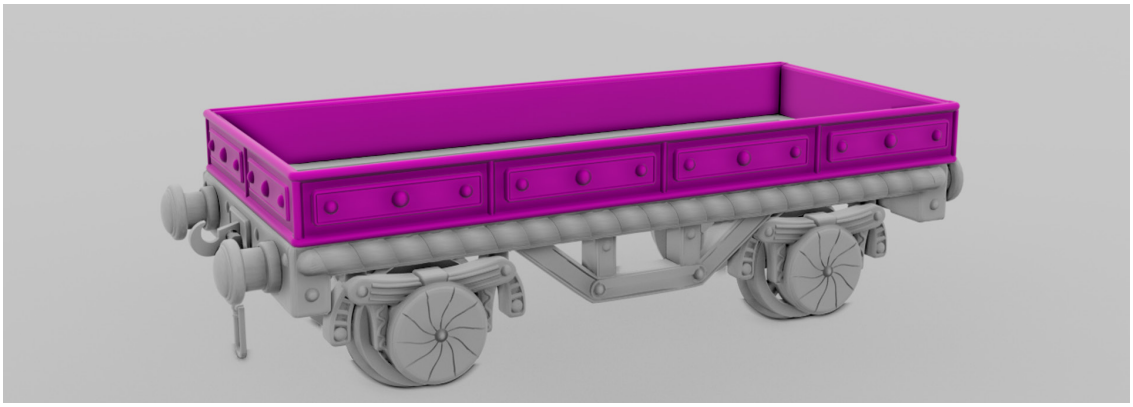
The undercarriage is now completely done. You will need 3 of these if you wish to construct all 3 wagons.

Part 3: Flatcar with gifts

The flatcar

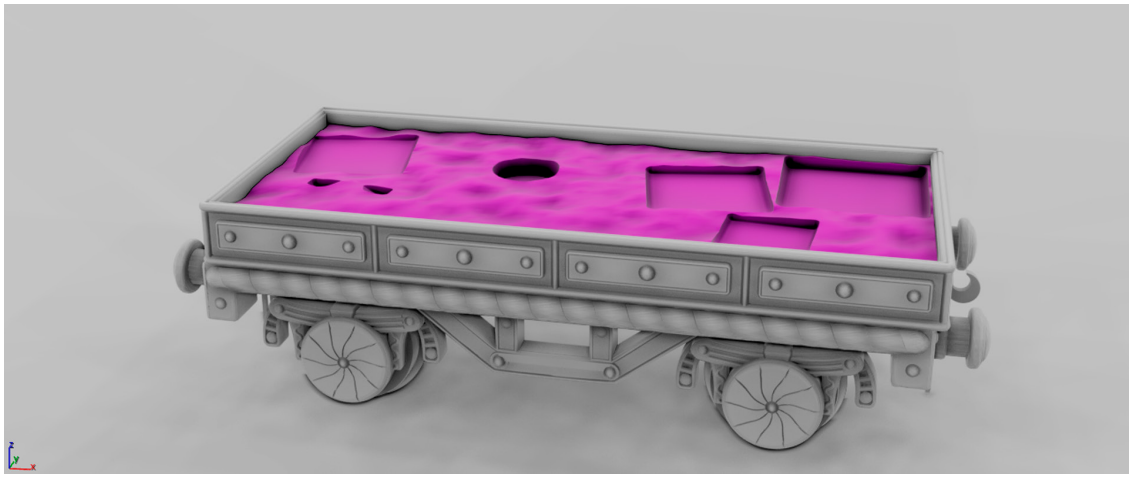
The flatcar is the most festive of the bunch, with a Christmas tree and gifts, this car will bring a smile to anyone's face.

1. **Parts:** Assembled Frame, Flatcar_Aft, Flatcar_Front, Flatcar_Side_L, Flatcar_Side_R



Take an assembled frame and glue the pieces of the flatcar on it.
There is no floor in this step yet.

2. **Parts:** Floorplate



Glue the floorplate into the flatcar as shown here.

3. **Parts:** Gift_A, Christmas_Tree



Glue the first gift and the Christmas tree in place as shown here. The floorplate has cutouts so the pieces align correctly.

4. **Parts:** Gift_B, Gift_C



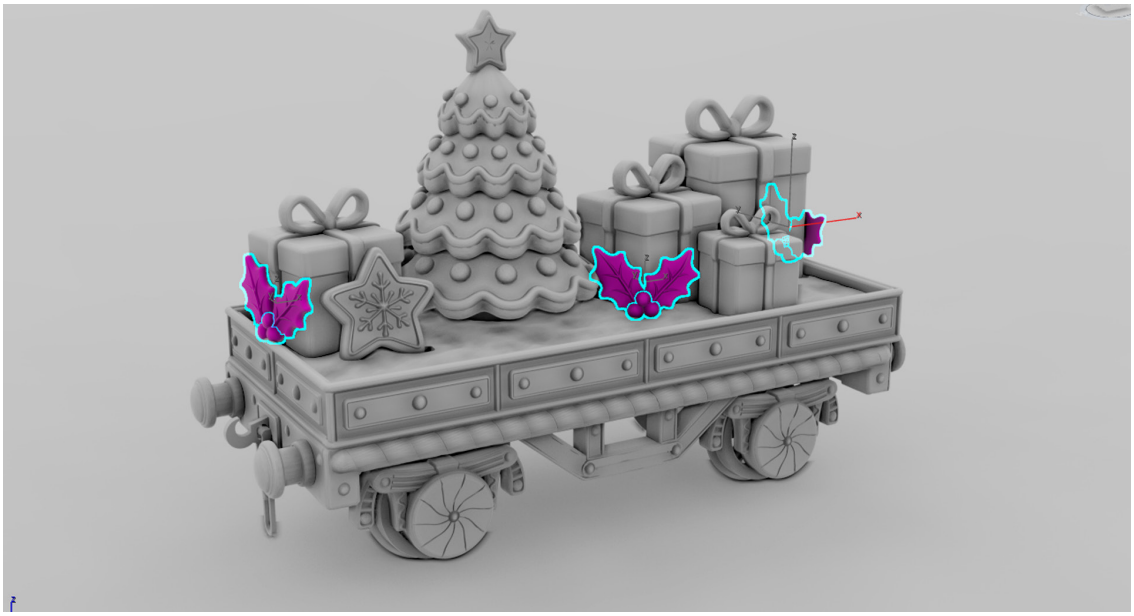
Glue gifts B and C in place.

5. **Parts:** Gift_D, Gingerbread_Star



Glue the final gift and the gingerbread star to the floorplate.

6. **Parts:** Holly_3X



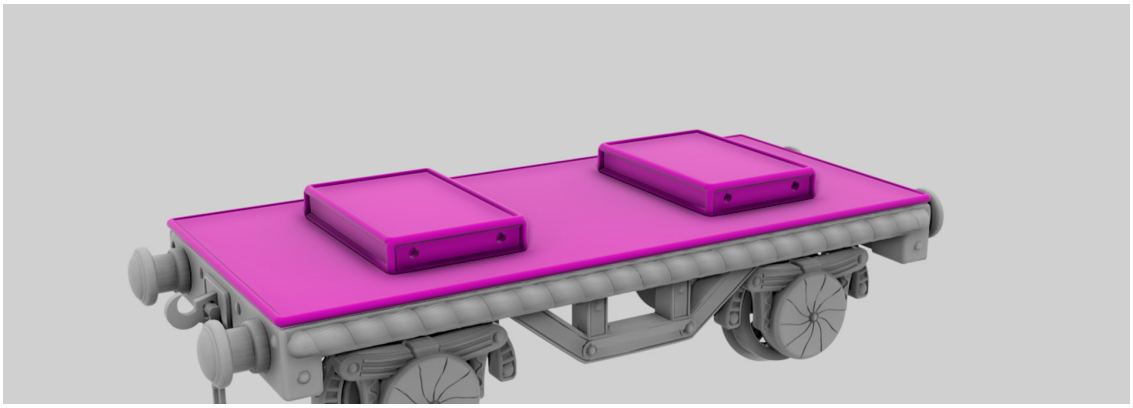
Glue the 3 pieces of holly onto the assembly as shown. The flatcar is now complete. Well done!

Part 4: Tank wagon

The tanker

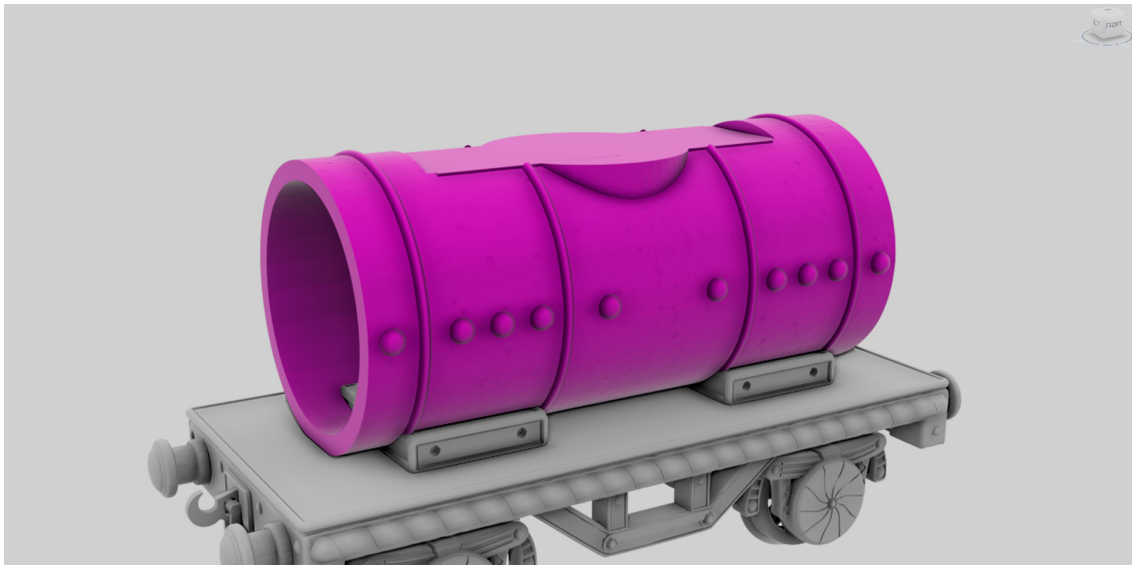
The tank wagon has an iconic style that every railroad needs. This one has been decorated in a festive way for the holidays. You can decide what it contains in your model railroad.

1. Parts: Assembled Frame, Floorplate



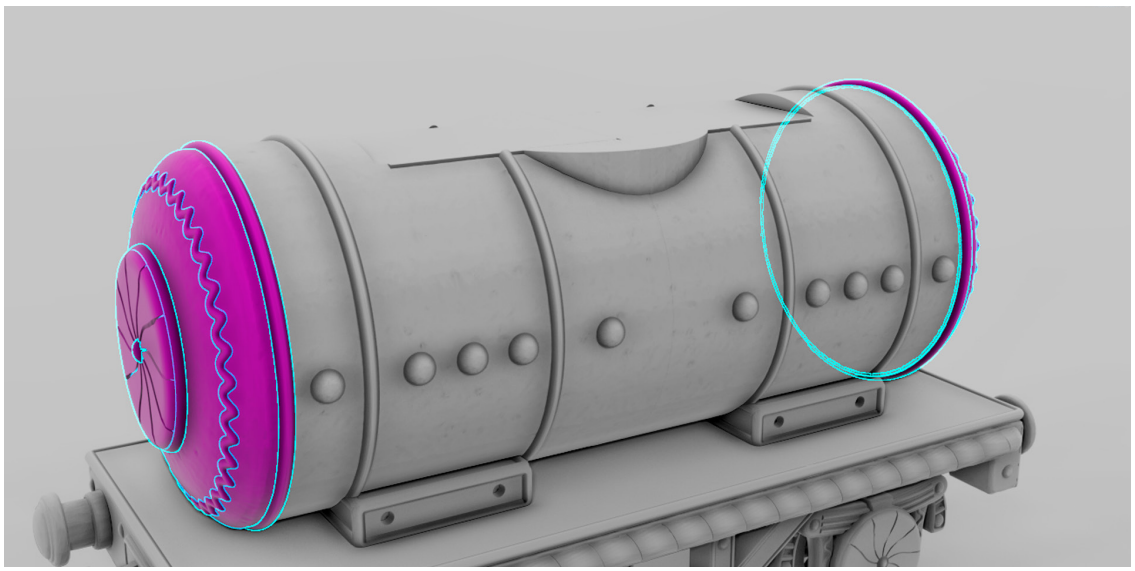
Take an assembled frame and glue the floorplate onto it as shown here.

2. Parts: Tank_A, Tank_B



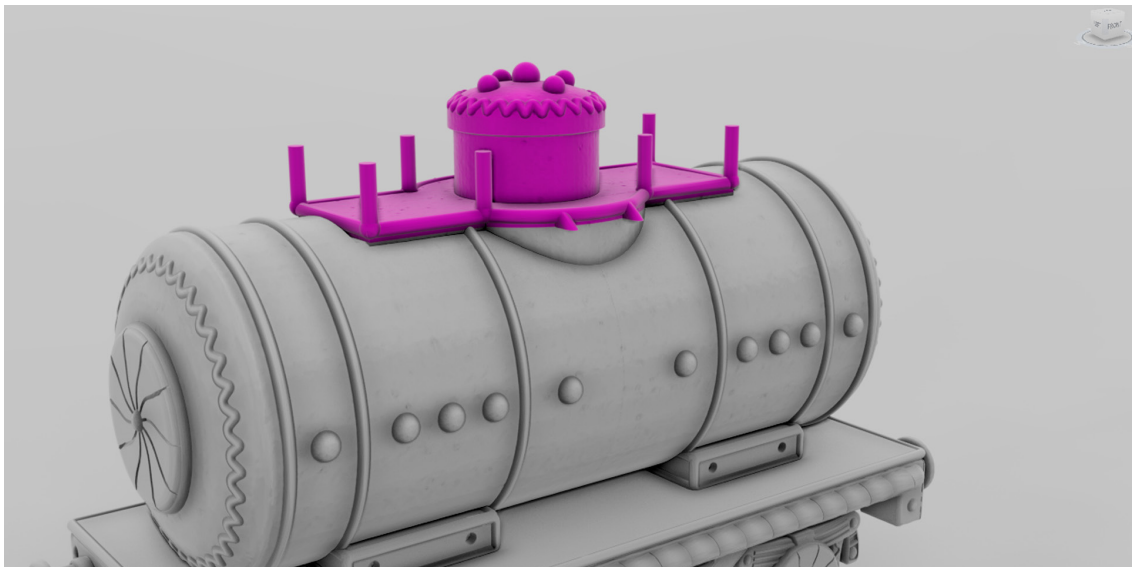
Glue parts A and B of the tank together. You can use the floorplate as an orientation guide.

3. Parts: Tank_End_2X



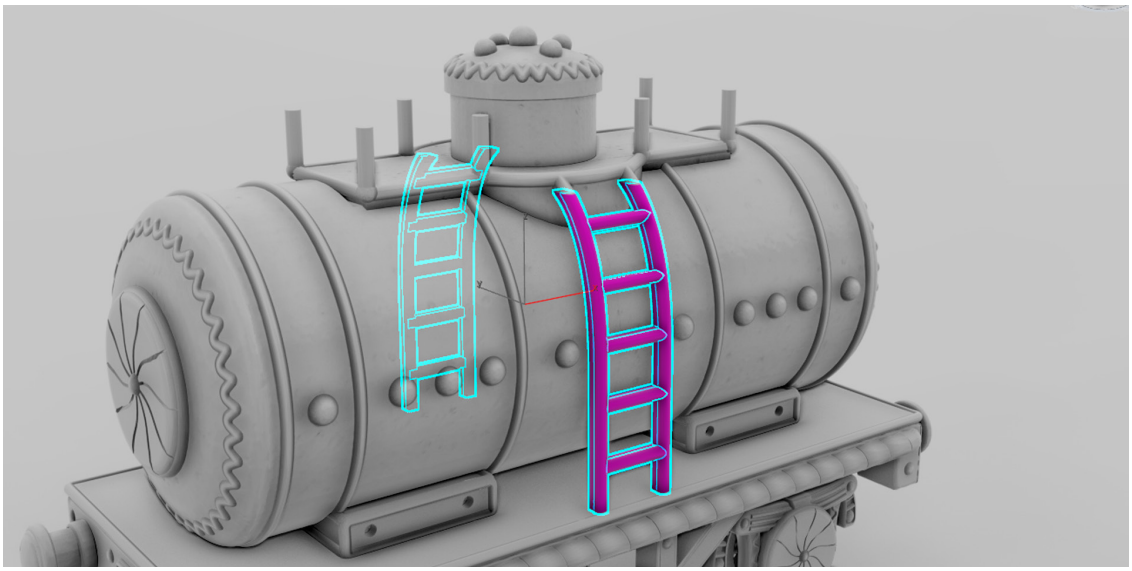
Glue the endcaps to both sides of the tank.

4. Parts: Tank_Top



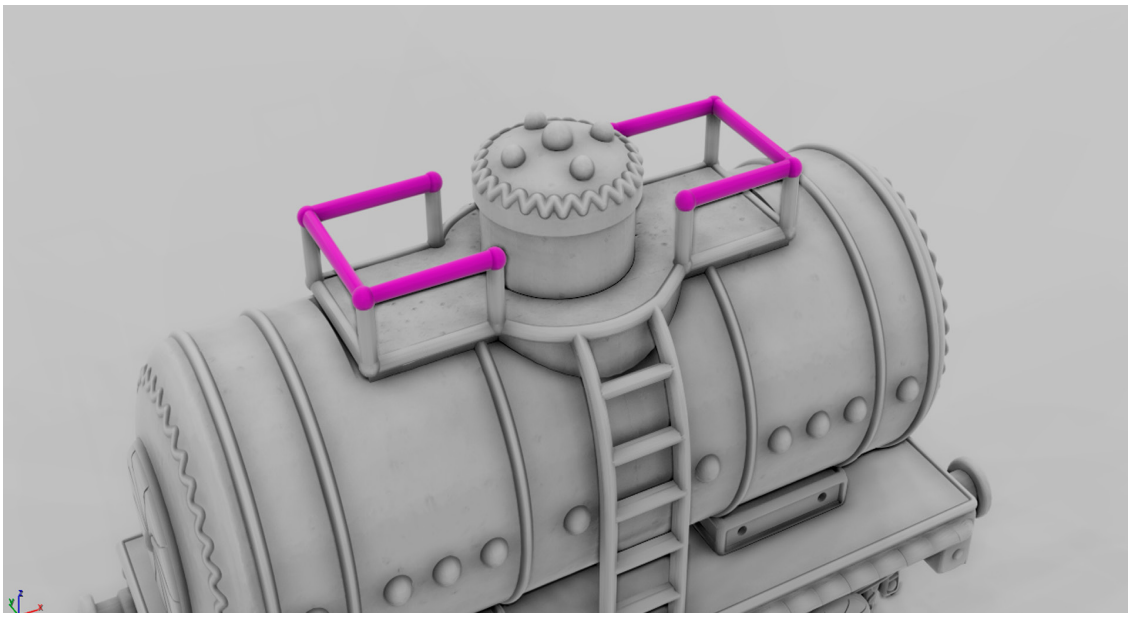
Glue the top of the tank to the assembly as shown here.

5. **Parts:** Ladder_L, Ladder_R



Place the ladders to both sides of the tank.

6. **Parts:** Railing_Top_2X



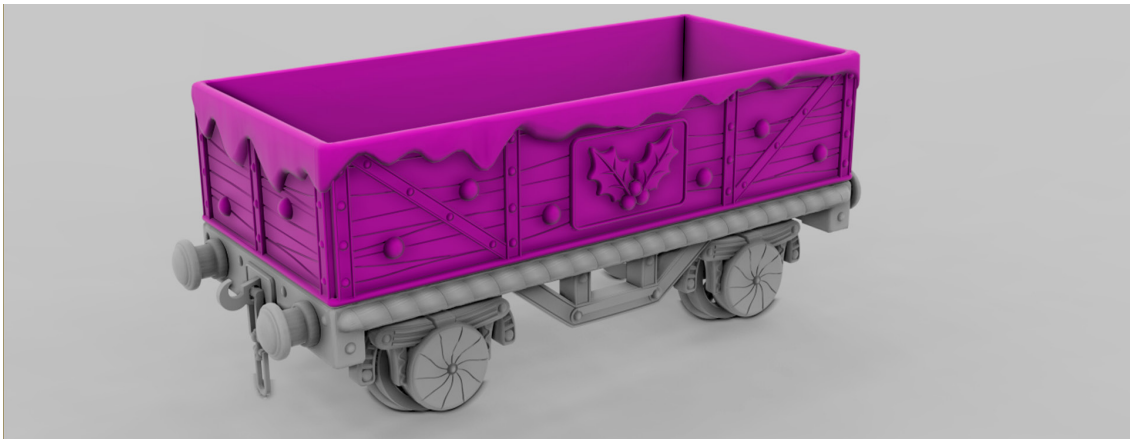
Glue the railings on top of the tankcar. It is now complete.

Part 5: Coal wagon

The coal wagon

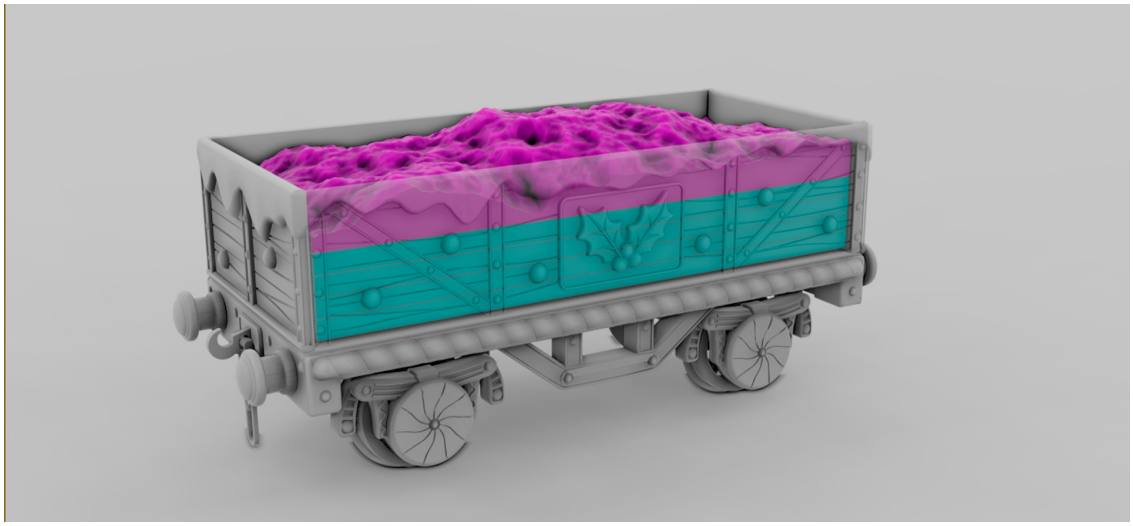
Locomotives are hungry things and need loads of coal. Luckily, this car can contain a lot of it! If it's real coal or chocolate crumble, that's up to you!

1. **Parts:** Assembled Frame, Coalwagon_Top_Aft, Coalwagon_Top_Front, Coalwagon_Top_Left, Coalwagon_Top_Right



Take an assembled frame and glue the pieces of the flatcar onto it. Make sure that the snowy edge on the car's top aligns.

2. **Parts:** Coal_Load, **OPTIONAL:** Coal_Spacer

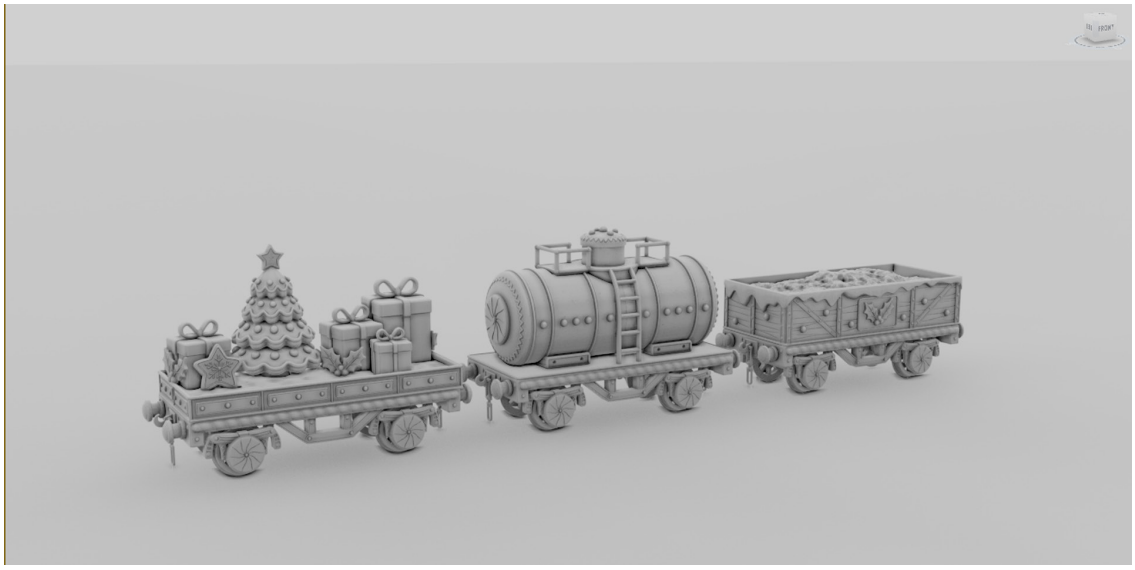


You can place the coal load loosely into the wagon. If you wish to have it sit a little higher, you can print up to 4 coal spacers to place underneath the coal load. No glue needed.

3. Parts: --



You have completed the coalwagon, now your entire train is complete. Ofcourse you can print more to make it an even longer holiday train.



We hope that you enjoy these festive gingerbread-style traincars.



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