

# WW2 Soviet Railroad

## Rail Cars

Please read the instructions before starting construction.

When opening the kit, you will notice the smell of burned wood. This is because the parts are laser-cut, which literally means a very tight light beam burns through the material. You may also notice some soot at the cut edges. The amount of soot depends on the material used. You can considerably reduce it by gently wiping at least the bigger and easy to reach edges with a soft cloth or household tissue.

PVA or equivalent glue will be required to glue parts together. Give glue enough time to dry. Wipe away any excess glue immediately using a fine cloth or the tip of a toothpick. A sharp hobby knife is needed to remove parts from the sheet. Be careful and always cut away from your body. Fine sandpaper may be useful to clean these areas or any tight-fitting joints. Clamps, pegs and elastic bands may help during the construction of the kit. Make sure that the parts are aligned correctly before applying any of these tools.

## General pre-assembly preparations

You will achieve the best results in finishing this kit when you follow the steps listed below. Always double check with the provided pictures before gluing parts together and moving on to the next step.

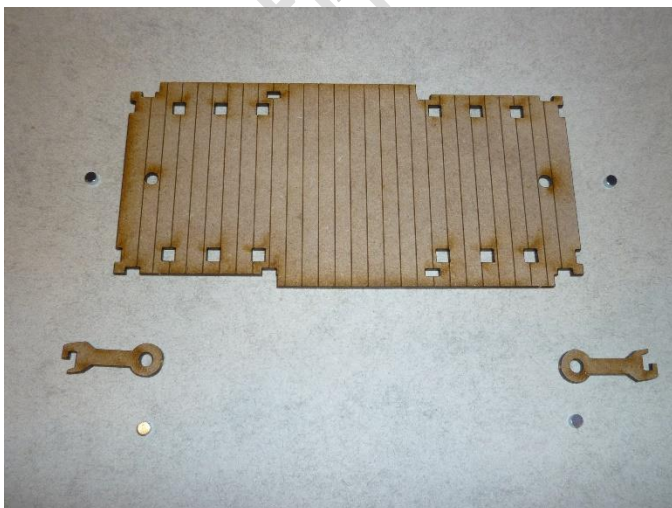
Please keep in mind that - in general - engraved sides of parts are considered "outside"; not engraved sides are "inside" or positioned less visible once the kit is finished.

### IMPORTANT

**You have the choice to use 4Ground tracks or O gauge tracks railroad modelers use. This assembly instruction shows the parts (axles) using 4Ground tracks. If you want your model to fit regular O gauge tracks, please use the parts (axles) marked "O gauge" instead!**

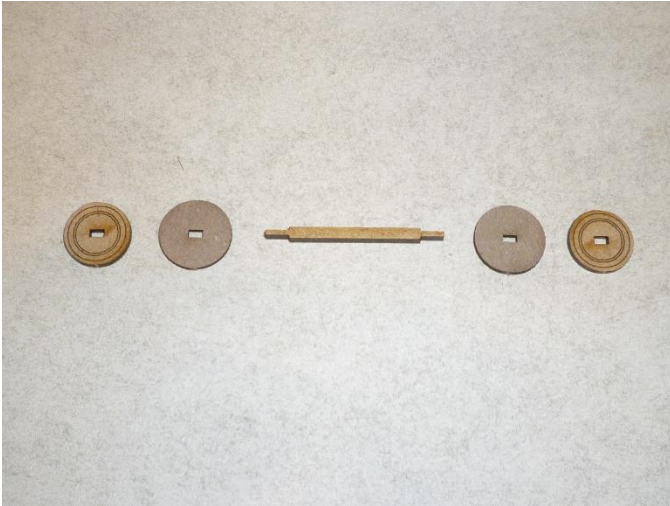
## 18-20 t Box Car "Teplushka"

**1. Magnetize couplings. Make sure that they are aligned correctly so that the couplings are fixed to the rail car base!**



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## 2. Build two axles!



## 3. Etched sides of the walls facing inside!



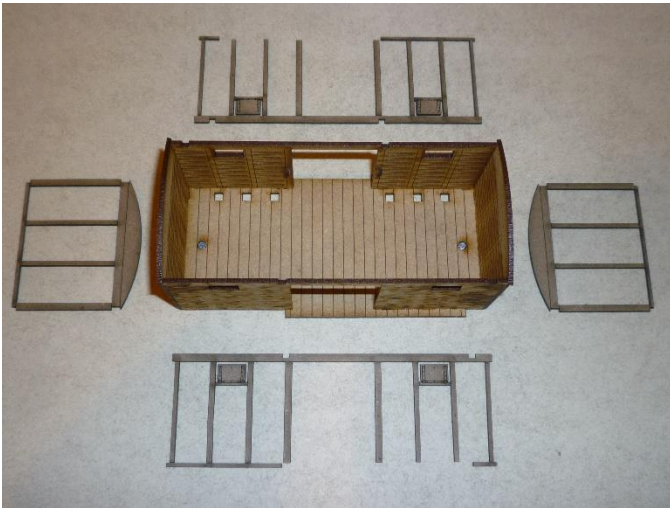
## 4.





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5.



6.



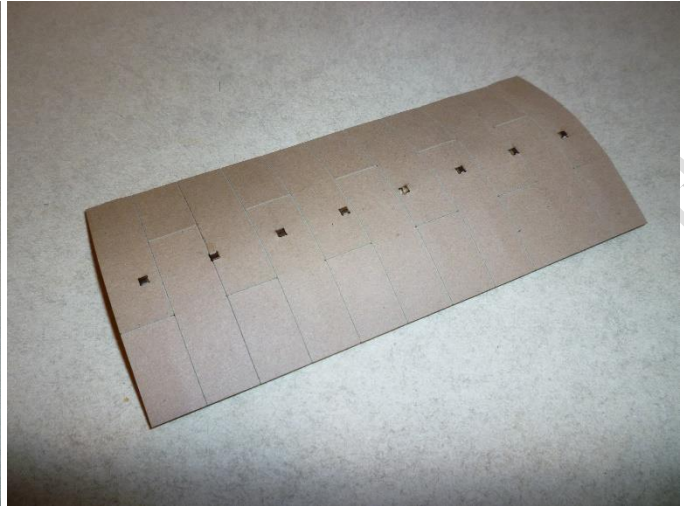
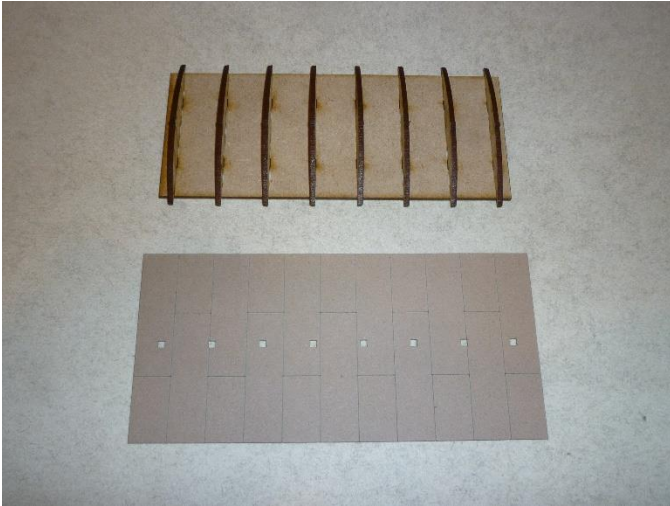
7.



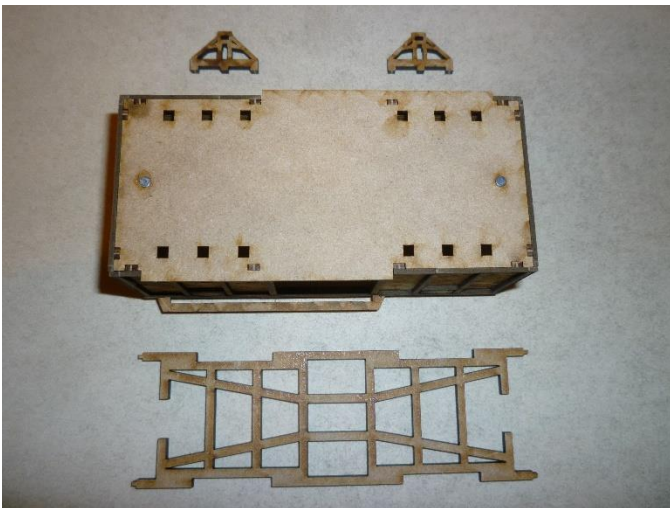


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8. Carefully bend the roof in shape and glue in place!



9.



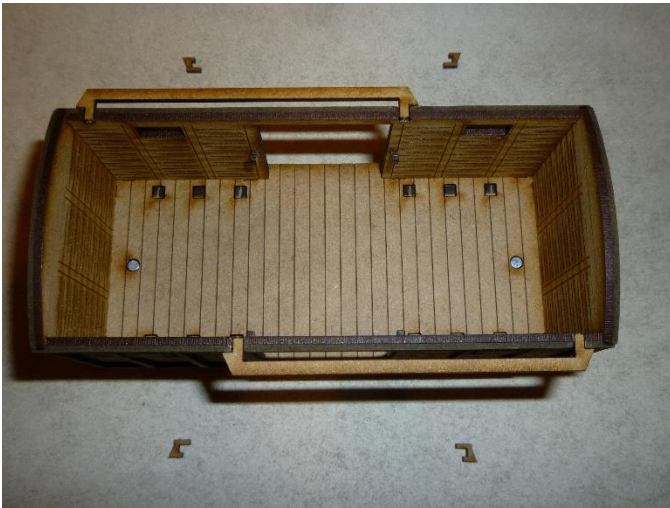
10.





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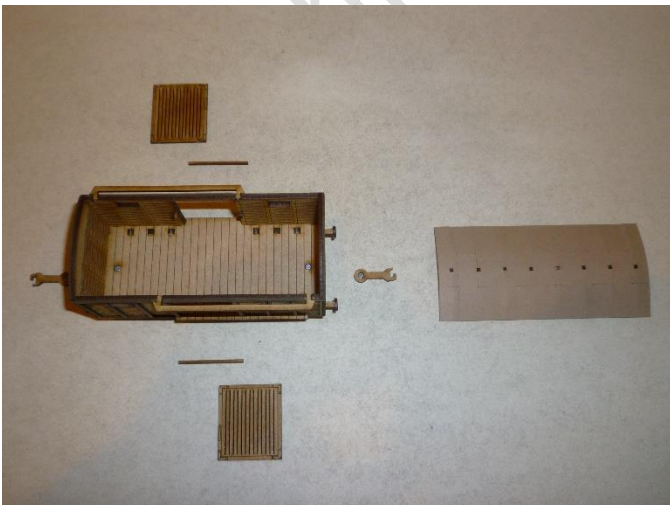
11.



12.



13. Do NOT glue sliding doors!





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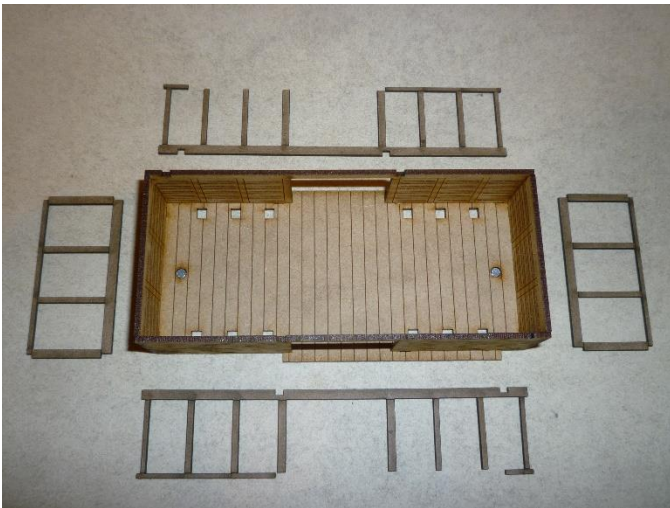
## 16.5-18 t Gondola Car

14. Repeat steps 1 and 2 before continuing!

15. Etched sides of the walls facing inside!



16.



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17.

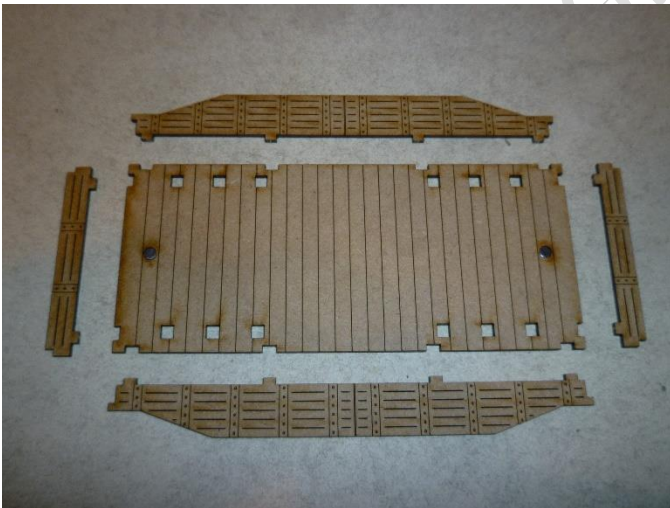


18. Repeat steps 9 – 12 to finish! Add sliding doors (do NOT glue!).

## 16.5-18 t Flat Car

19. Repeat steps 1 and 2 before continuing!

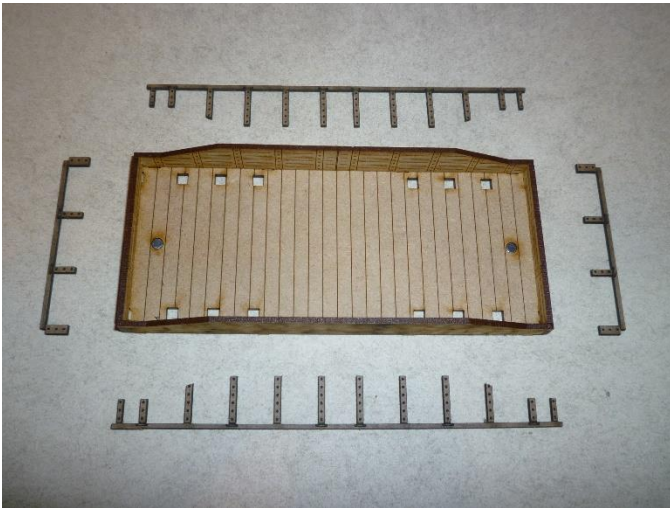
20. Etched sides of the walls facing inside!





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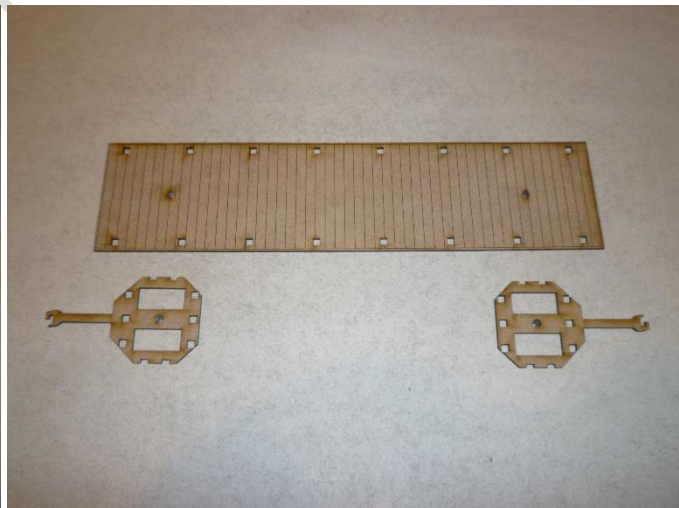
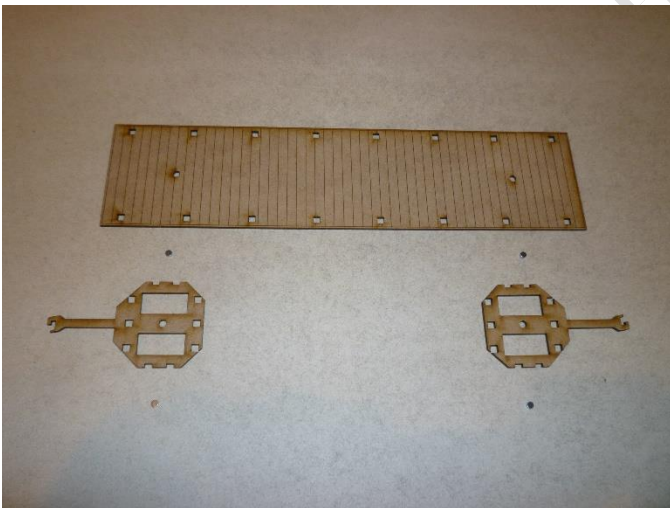
21.



22. Repeat steps 9 – 12 to finish!

## 60 t 4-Axle Flat Car

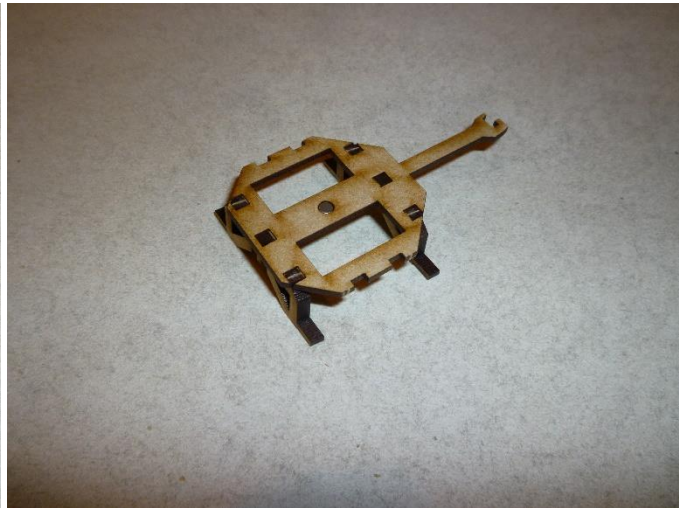
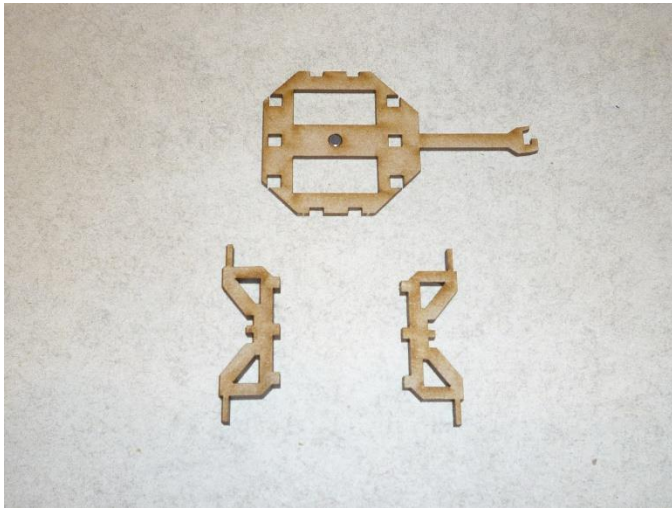
23. Magnetize bogies. Make sure that they are aligned correctly so that the bogies are fixed to the locomotive base!





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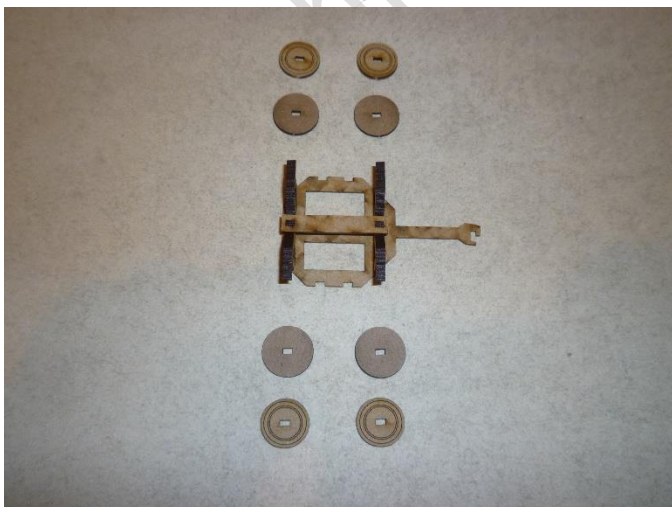
24. Build bogie two times!



25.



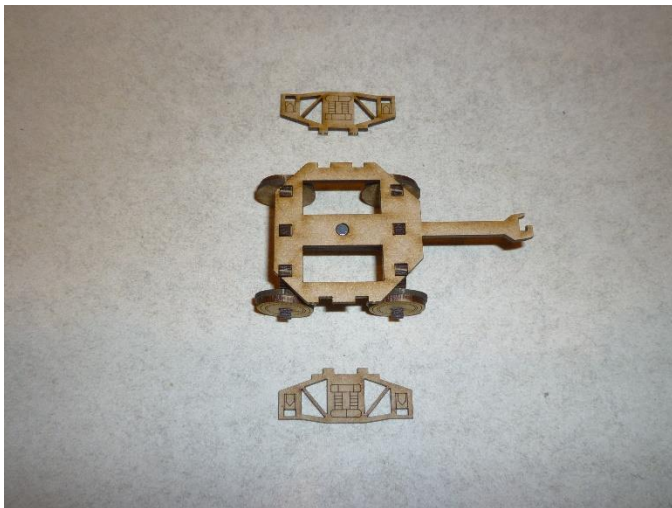
26.



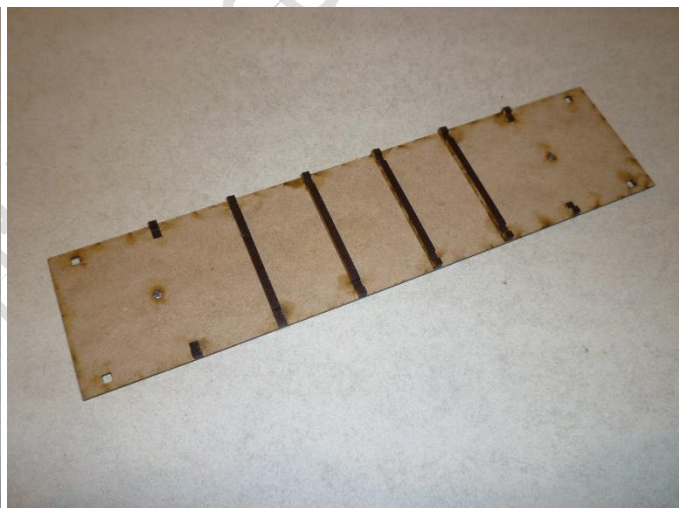
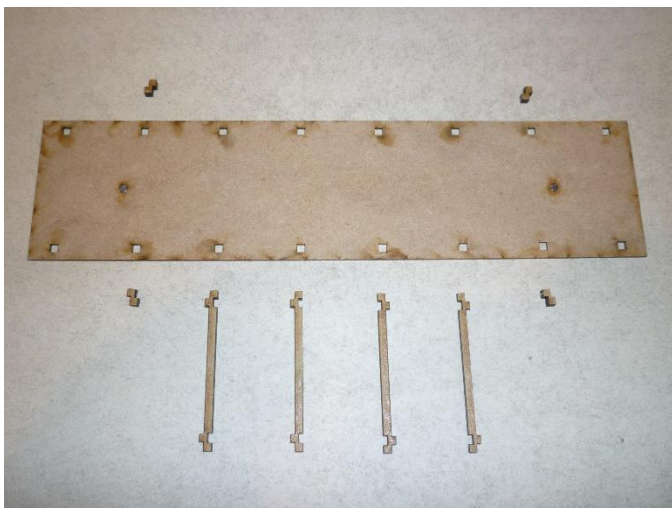


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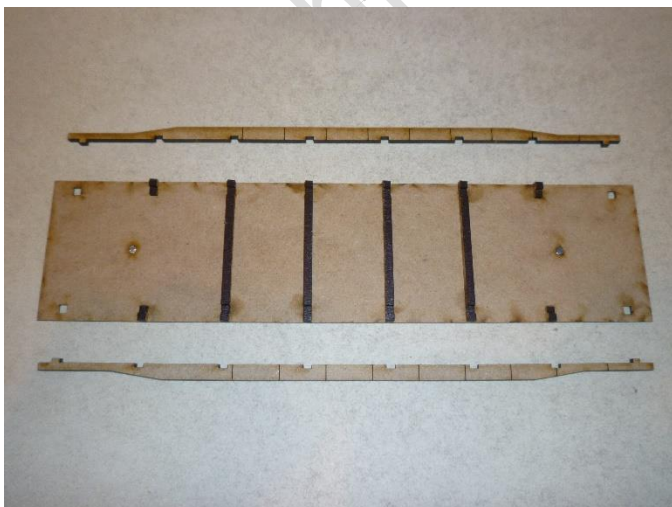
27.



28.



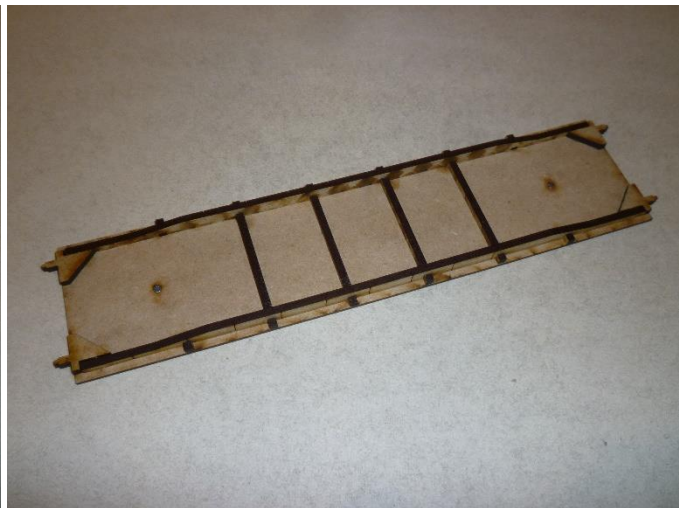
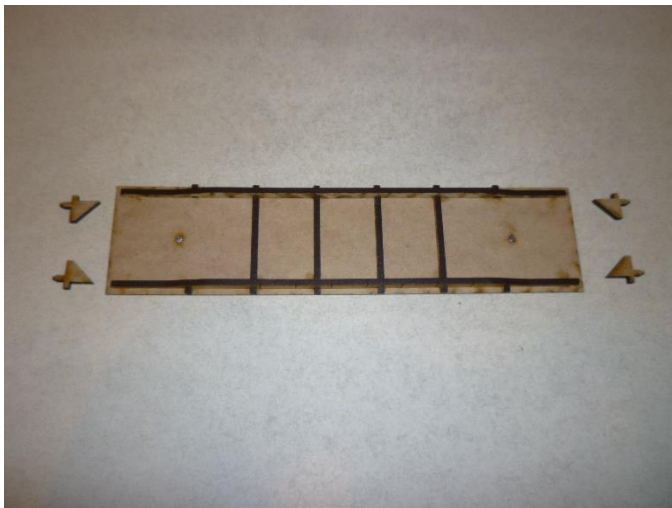
29.





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30.



31.



32.



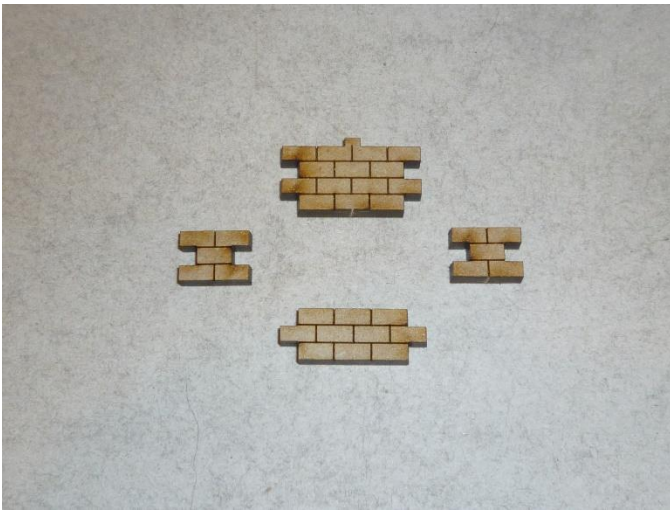
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The finished model of the **60 t 4-Axle Flat Car** will best be used on straight tracks. Due to its size and the radius of 4Ground's curved track it does not fit on it. Using O gauge model railroad tracks with a bigger radius will work.

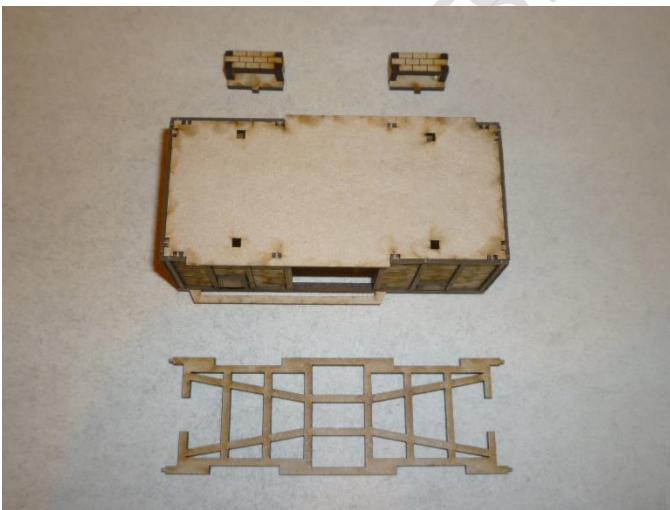
## Abandoned Box Car

33. Build Box Car by following steps 3 to 8 before continuing!

34. Build 4 times!



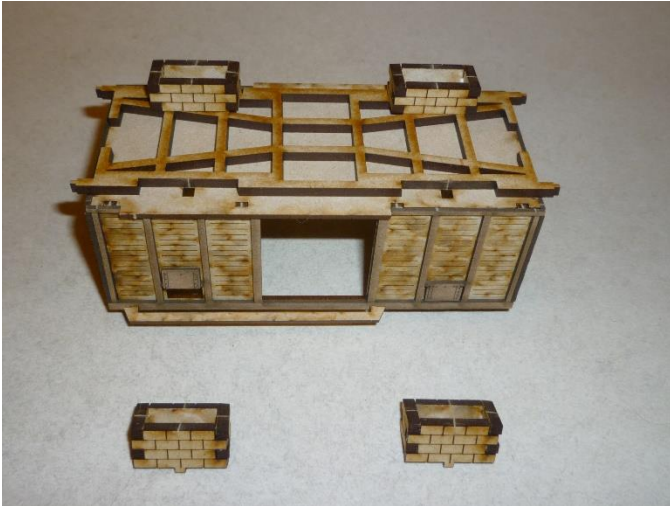
35.





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36. Complete box car by following steps 11 to 13 (no couplings)



37.



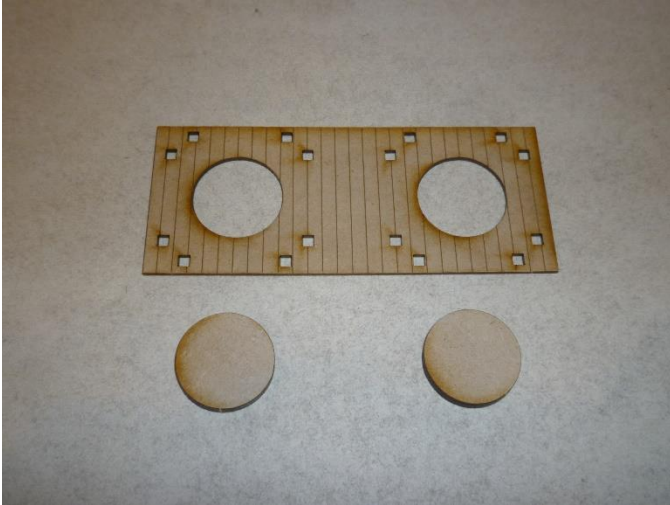
**Tip:** Open window by carefully cutting out the hatch and glue in place below opening!



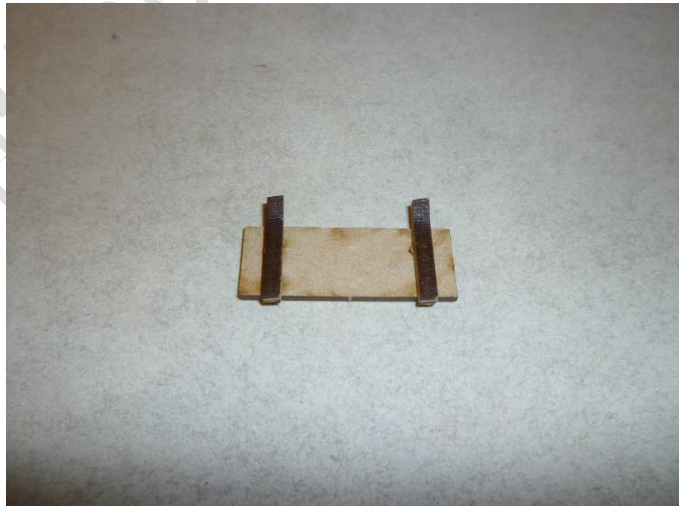
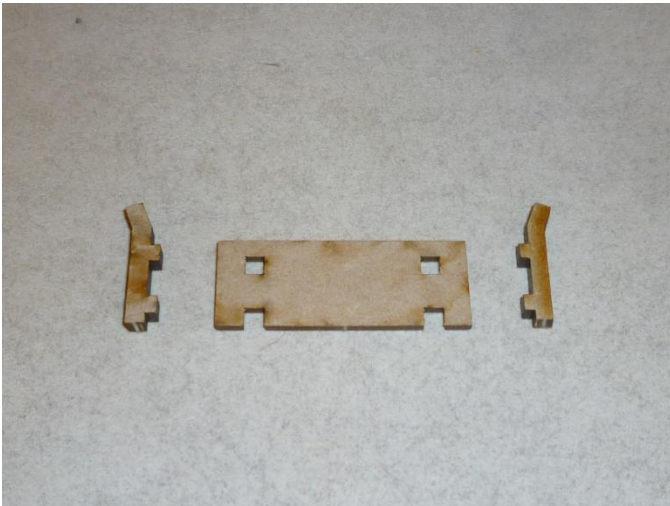
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## AA Gun Emplacement (for 20t Flat Car)

38. Insert 3mm thick circles flush with the bottom side!



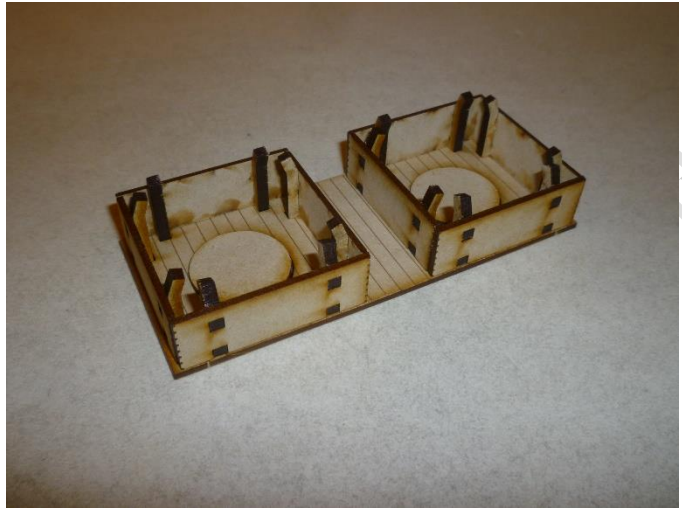
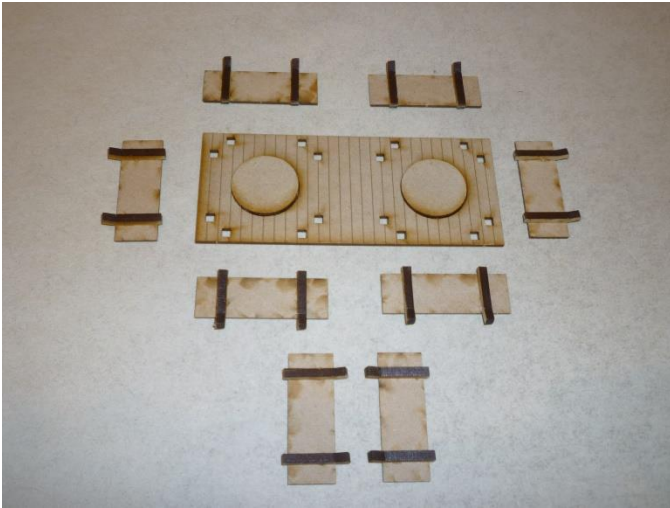
39. Repeat for all 8 wall sections!



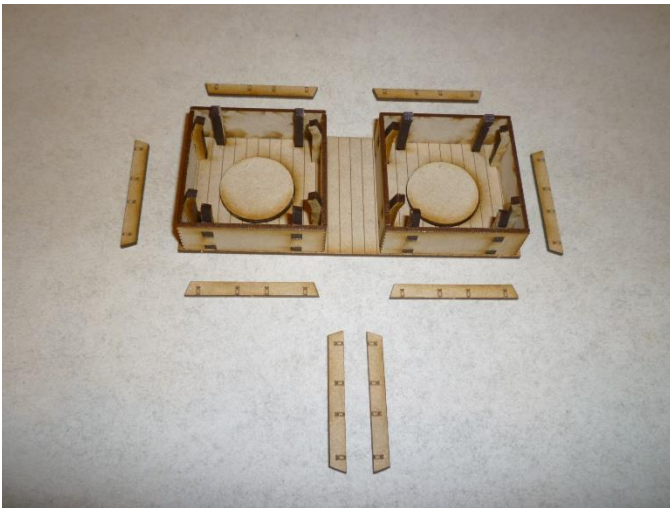


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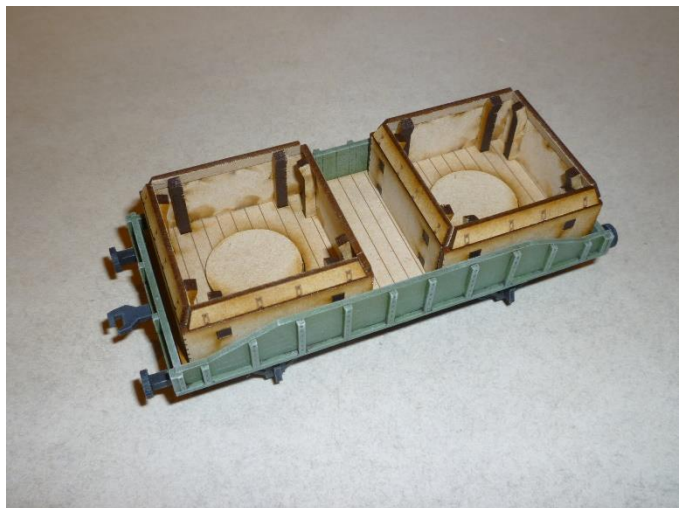
40.



41.

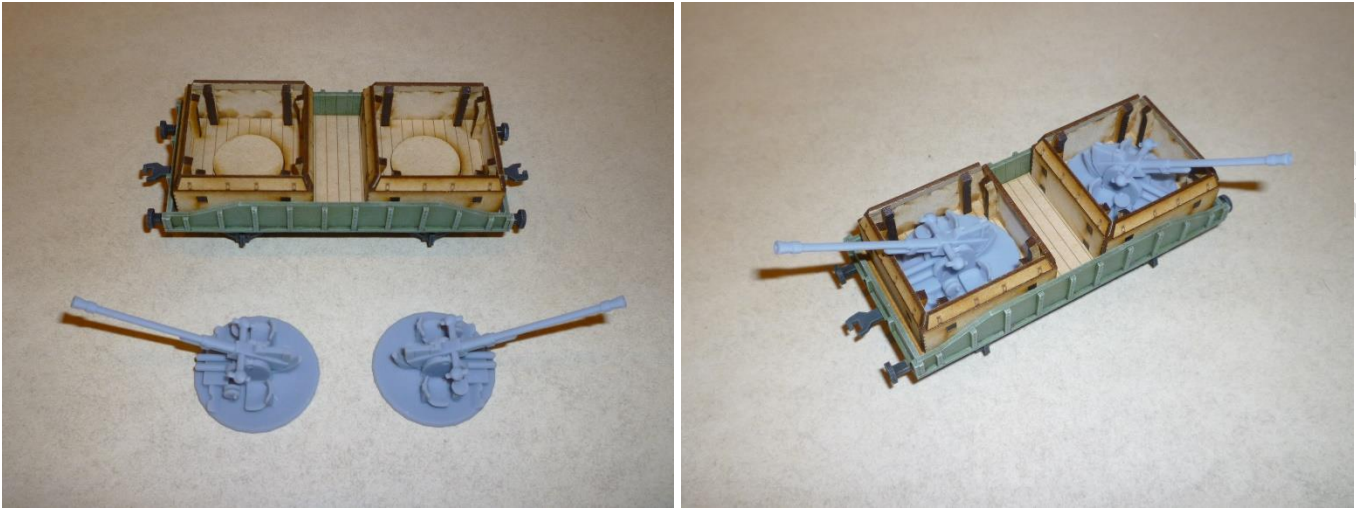


41.



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42.



If you ever experience problems or difficulties in finishing this kit do not become desperate! Just send me an email at [thingsfromthebasement@gmail.com](mailto:thingsfromthebasement@gmail.com) and I will help you get it done. Having designed the kit and then providing an instruction for everyone to understand is probably the hardest part of the whole project. I am ready for every kind of feedback to improve kit and instructions. I just need to know!

## Photos of finished kit:





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For the 18-20 t Box Car "Teplushka" with stove "Pechka" version:  
Glue stove to center of Box Car and insert stove pipe through opening in roof.





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