

Industrial



Harbor Crane

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 sand paper 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

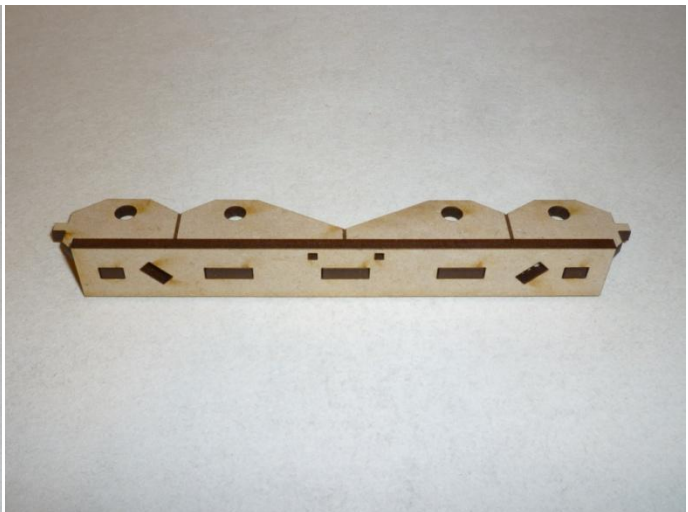
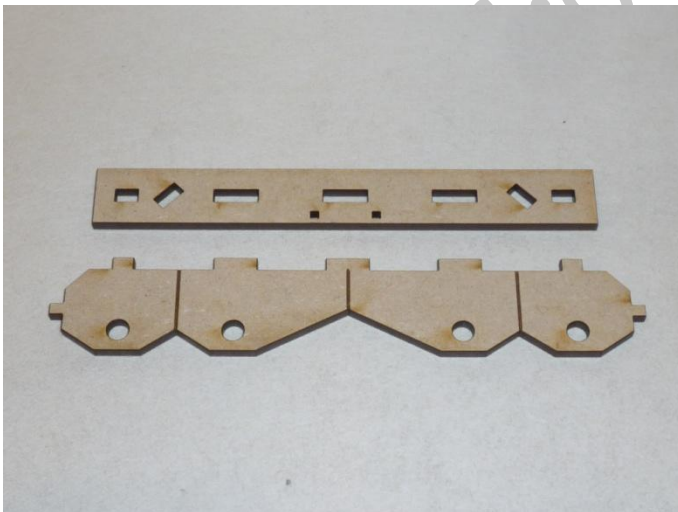
You will achieve the best results in finishing this kit when you follow the steps listed below. Always double check with the provided pictures before gluing parts together and moving on to the next step.

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.

Assembly

Frame:

Glue the two main pieces together. Make sure pieces are facing as as shown in the image!

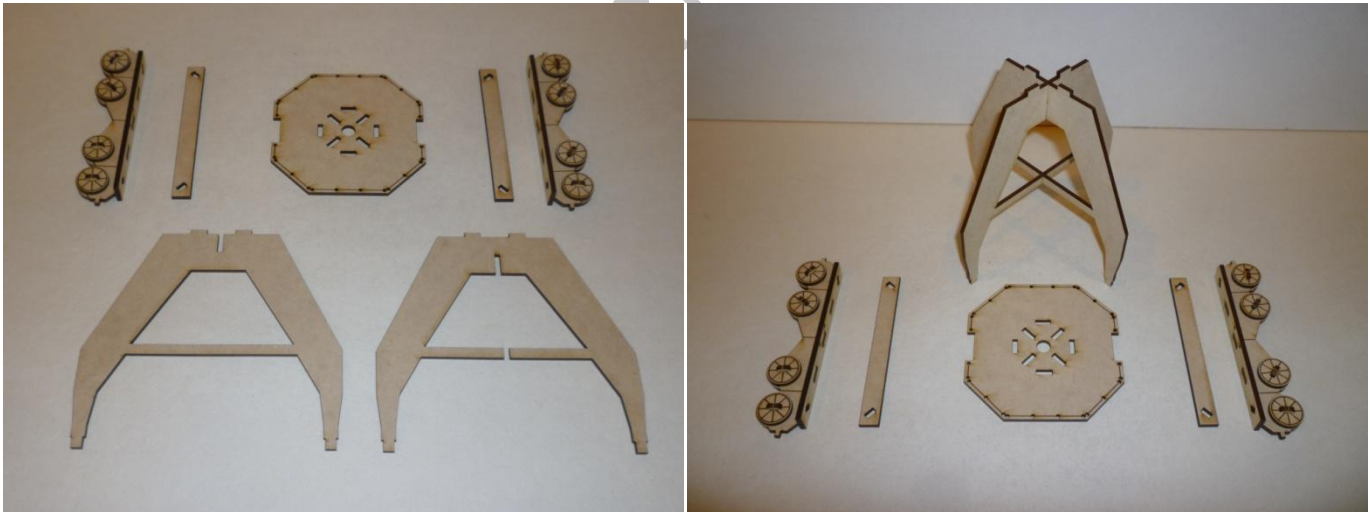


Industrial

Complete carriage by adding wheels and axle. Do not use glue when you push the axle through the preassembled carriage! Repeat process for second carriage.

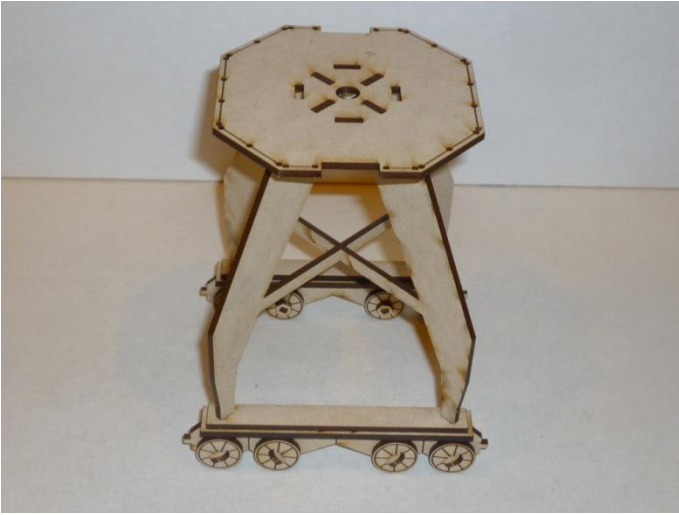


Glue the two leg pieces together.



Industrial

Glue octagonal platform on top. Then add the two preassembled carriages to the legs. **Let dry thoroughly!**

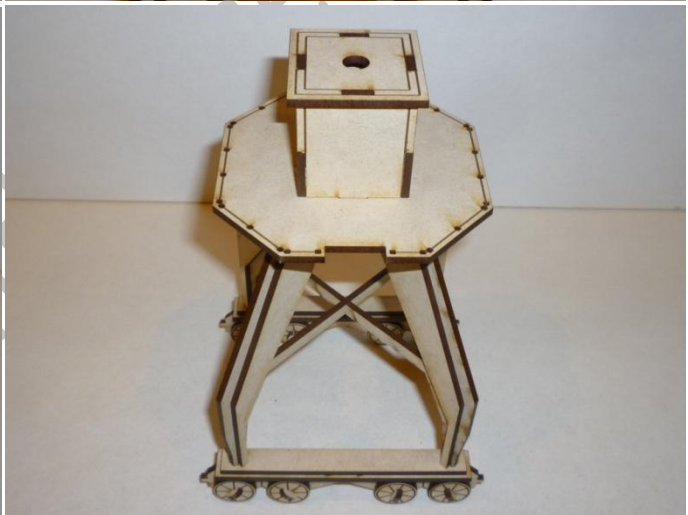
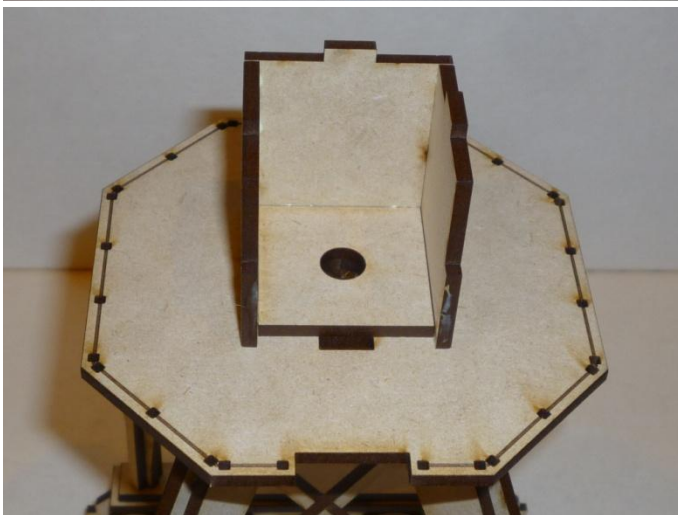
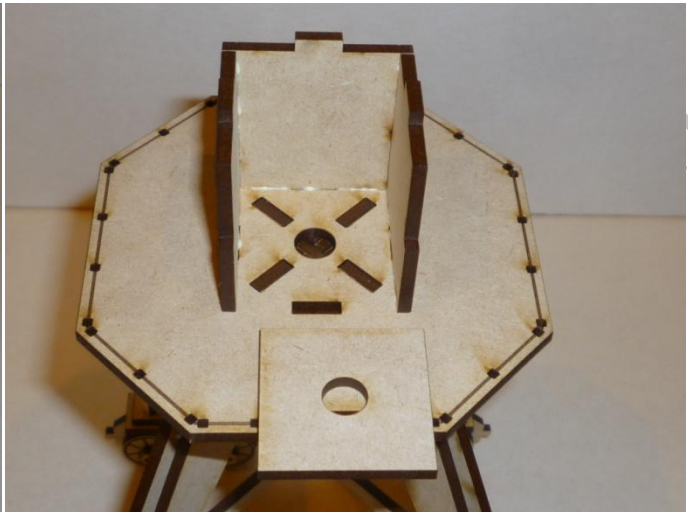
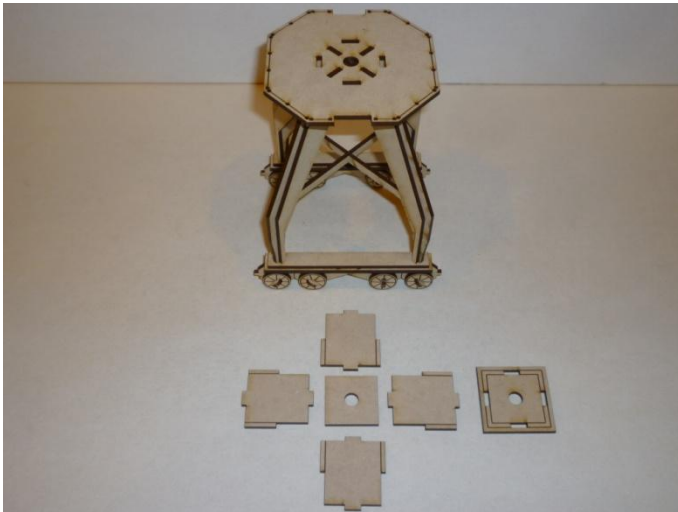


Turn frame upside down. Take two matching leg extensions and glue them in position at a 90° angle as shown. Repeat this step for the remaining three sides.



Industrial

Glue the main shaft onto the octagonal platform. **Before adding the last wall piece, add the support piece for the vertical axle as shown!** Finish by adding the top.

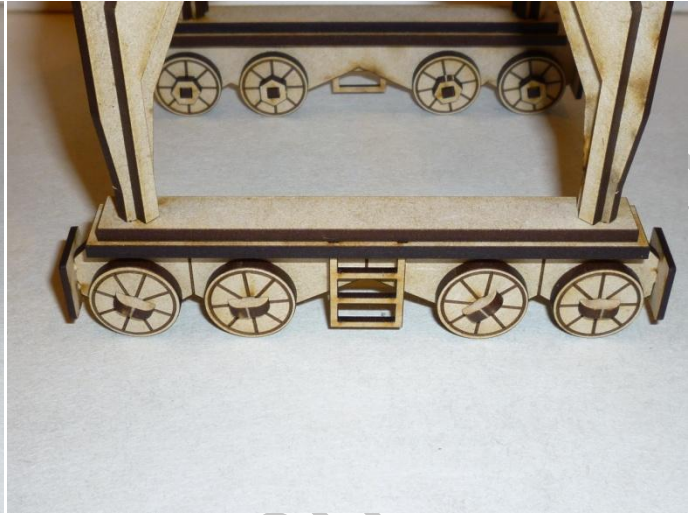
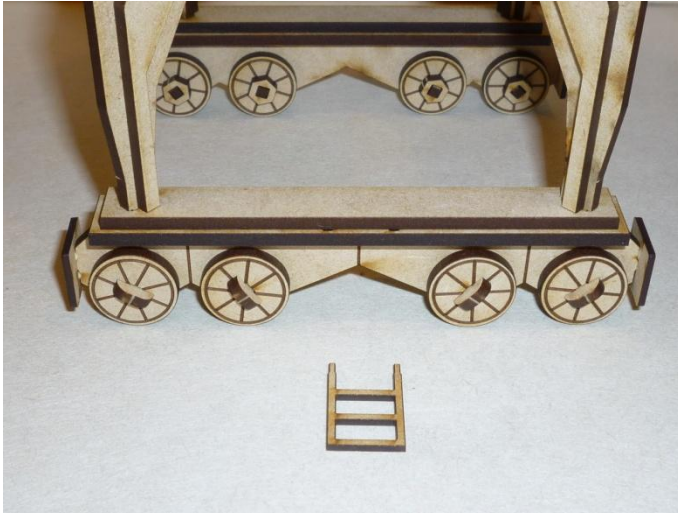


Glue four guard pieces onto carriage ends.

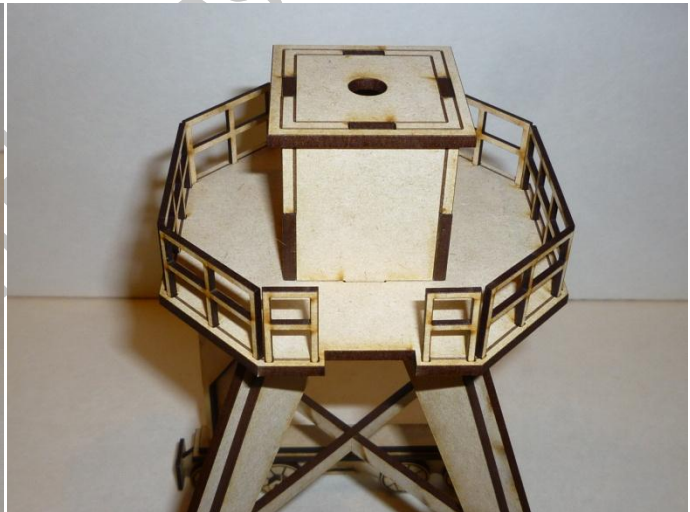
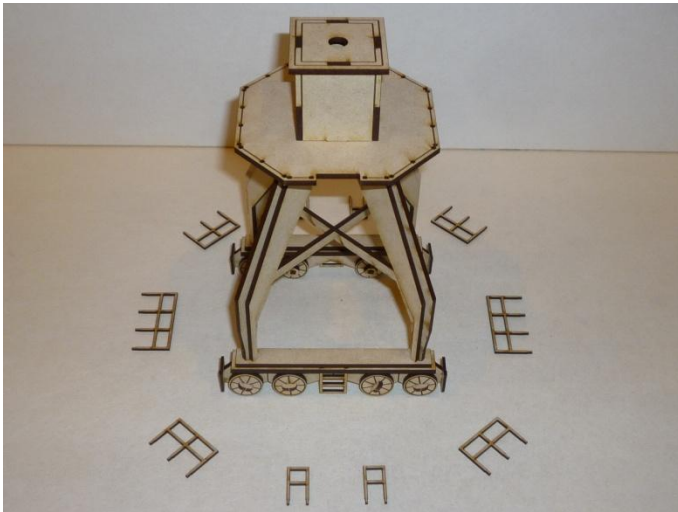


Industrial

Add small ladder two both sides of carriage.

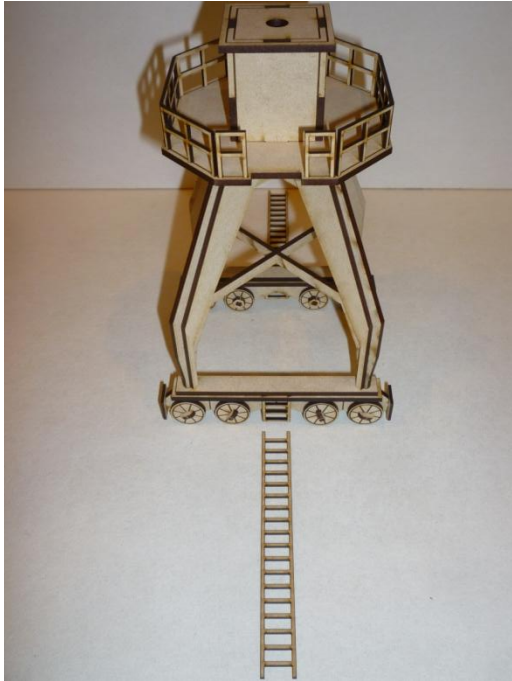


Glue railing around the octagonal platform.

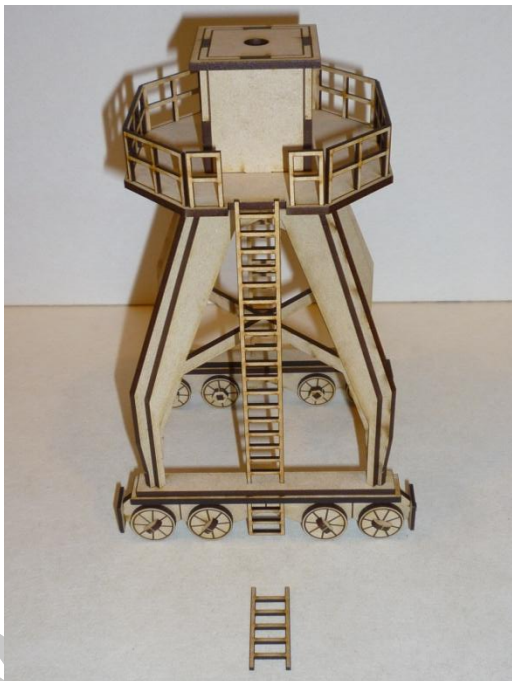


Industrial

Add two large ladders to the sides.



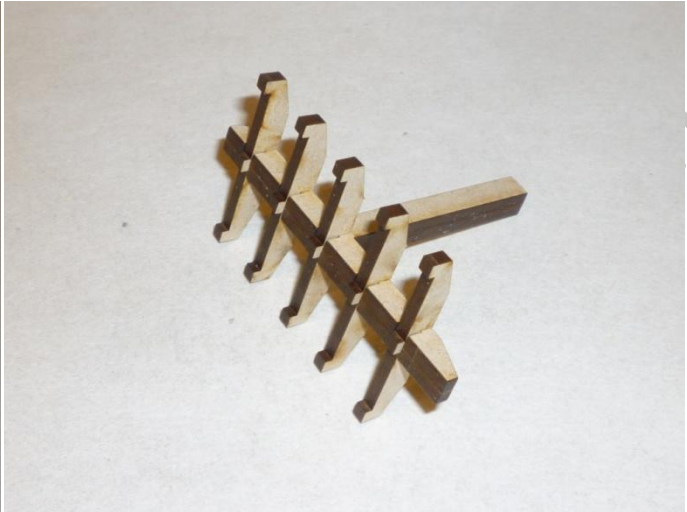
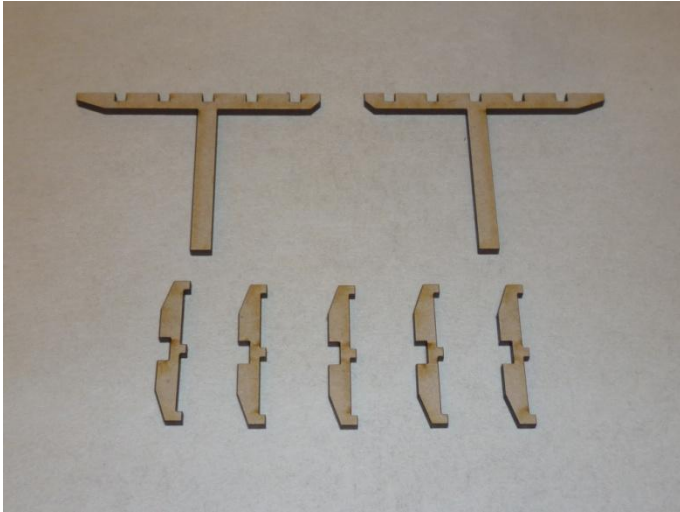
Glue ladder on one side of the main shaft.



Industrial

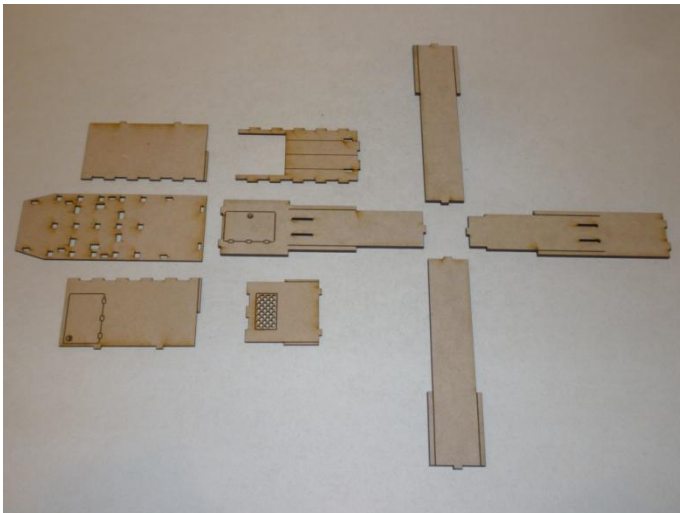
Vertical Axle:

Glue the two axle pieces together. Then add five support beams. **Set aside and let dry thoroughly!**



Upper structure:

Glue the main shaft onto the platform as shown.



Industrial

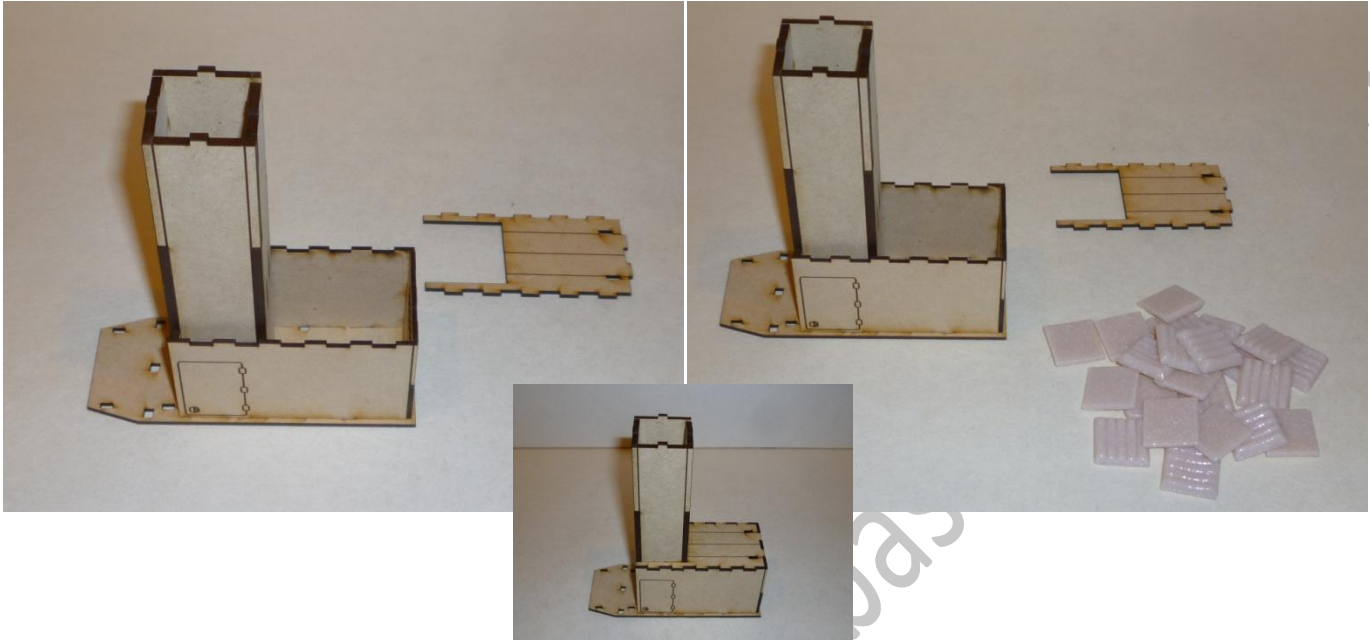


★ *Buildings On A Budget* by

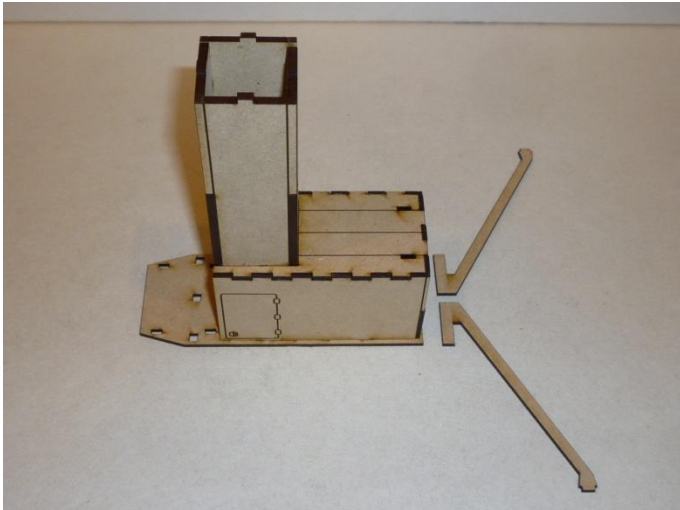
Things from the Basement, LLC

Dollhouse & Wargaming Miniatures

Glue the three engine walls in place. I now suggest adding some weight into the empty space before gluing the roof in place! Make sure that nothing is left loose as you will not be able to reach the interior again once the roof is added! Glue roof in place.

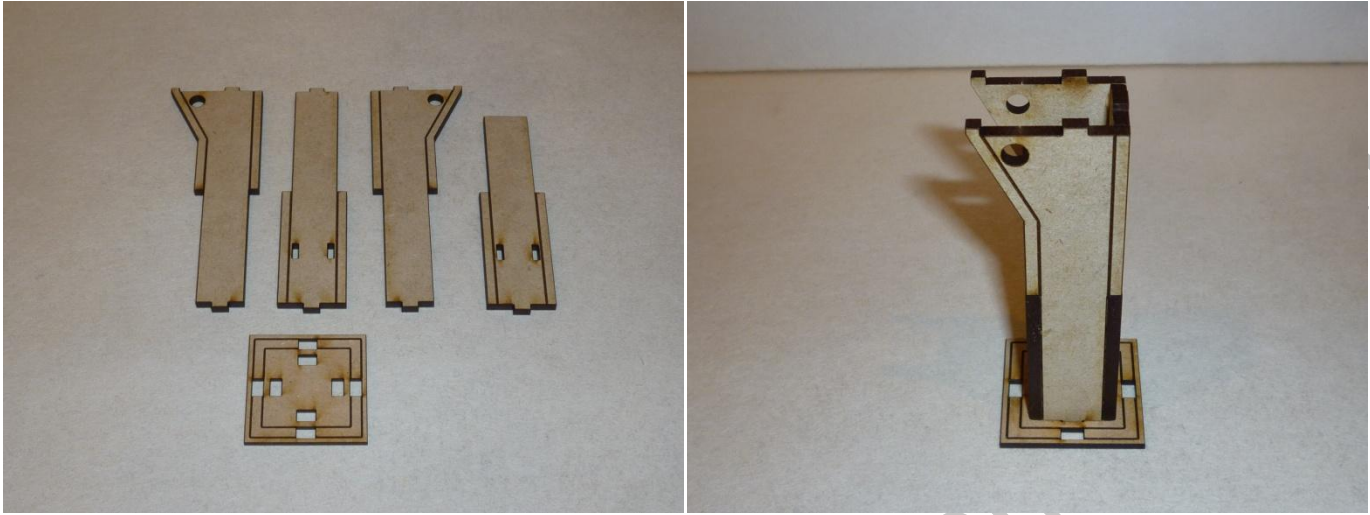


Carefully glue the two supports in place by inserting them into the top of the shaft and the roof.

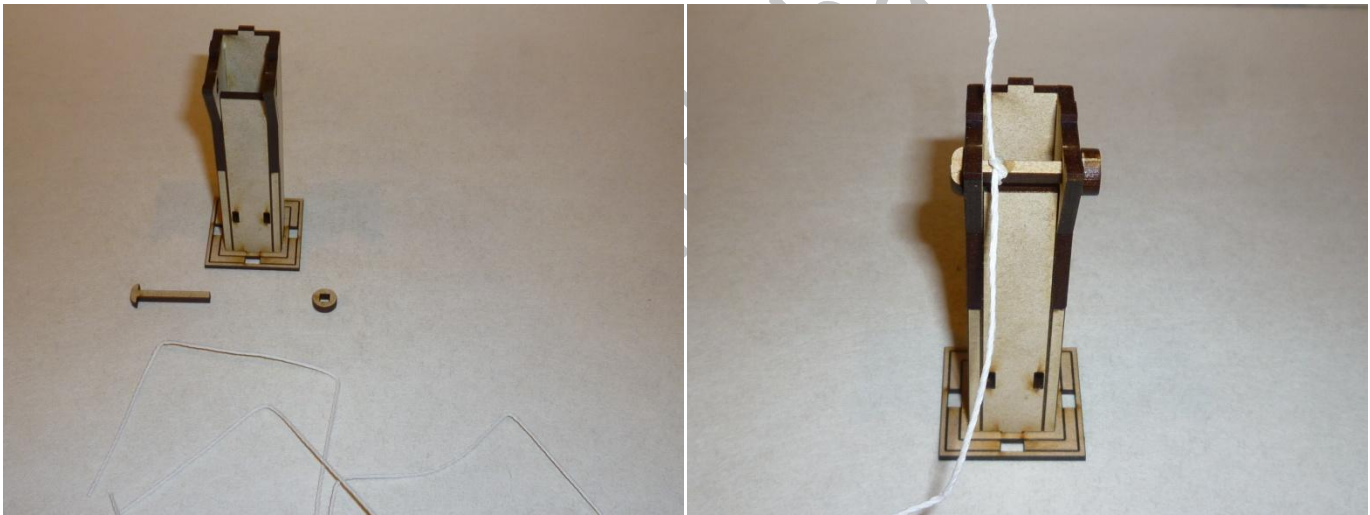


Industrial

Glue the four wall pieces of the upper shaft onto the platform as shown.

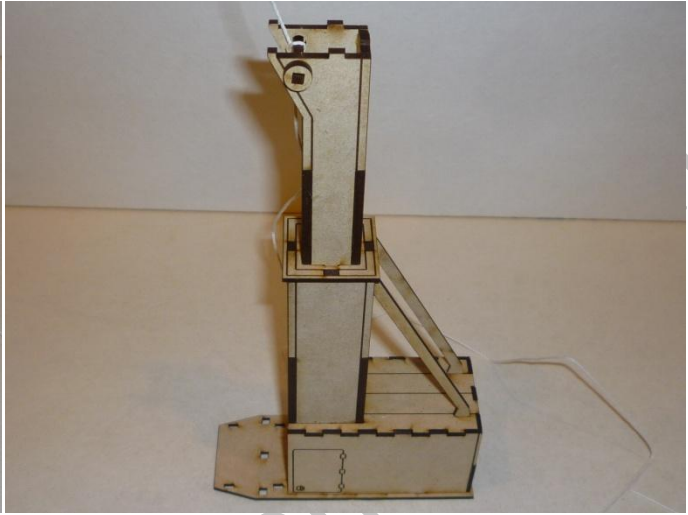
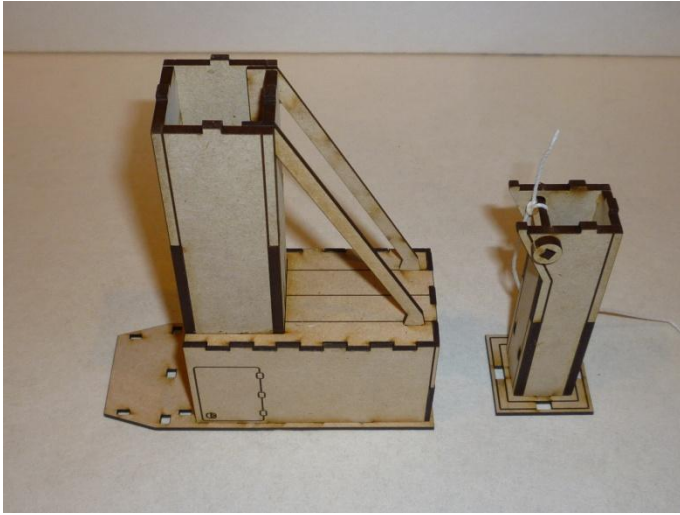


Push the axle through one opening in the upper shaft and attach yarn. Push axle through the other opening and fix with end piece. **Do not glue the axle in place!**

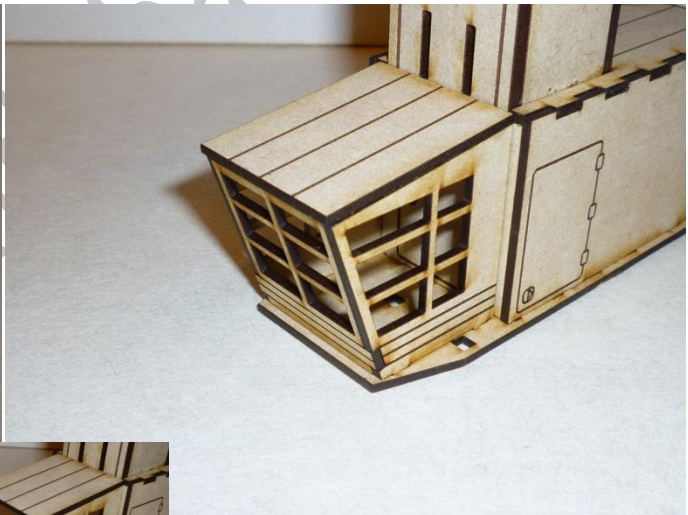
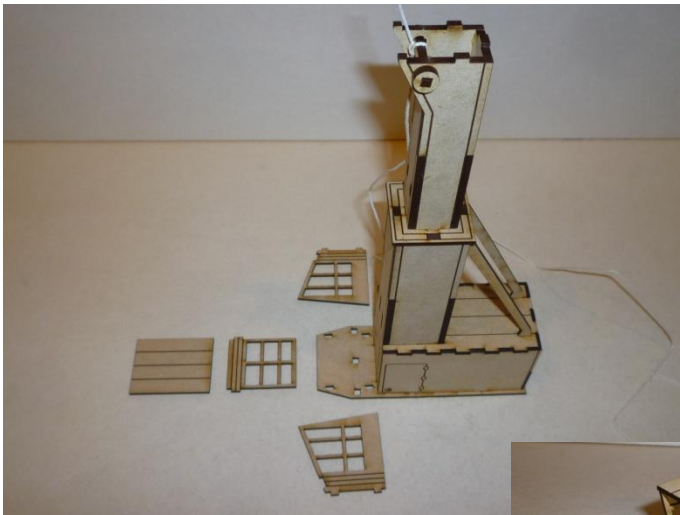


Industrial

Glue upper shaft onto middle shaft as shown. **Let dry thoroughly!**

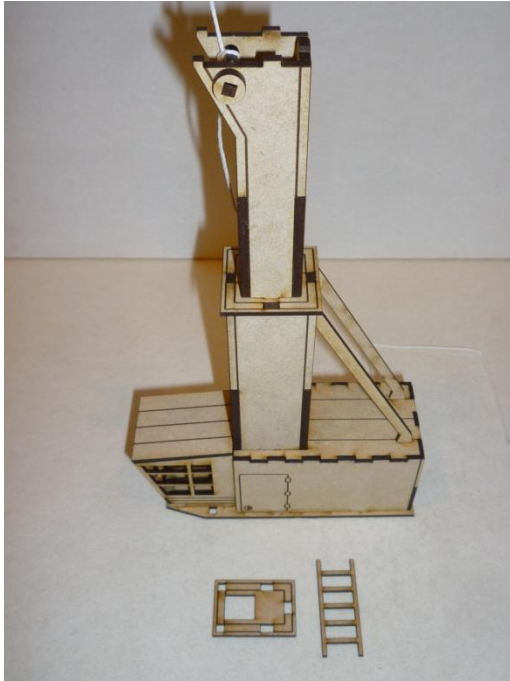


Glue the operator's cabin in place as shown. **Do not glue the front piece in place if you want to be able to reach the interior of the cabin!**



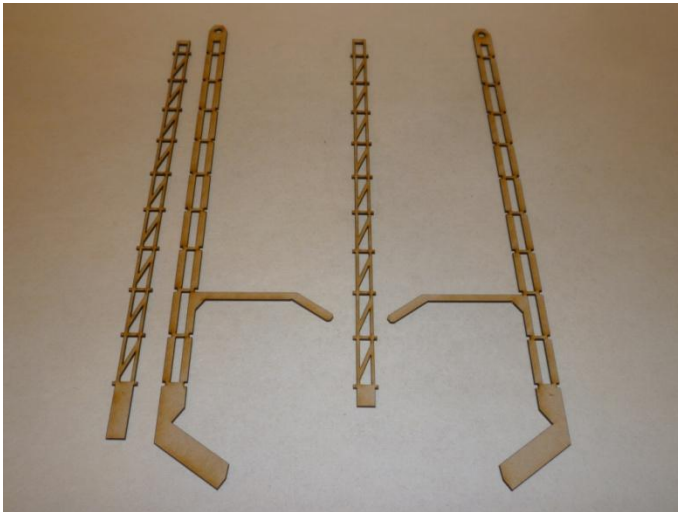
Industrial

Glue the ladder next to the door. Glue top piece onto upper shaft.



Boom:

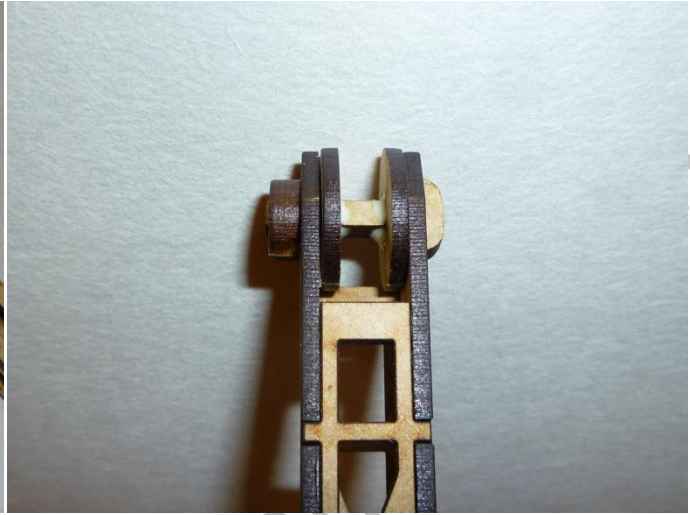
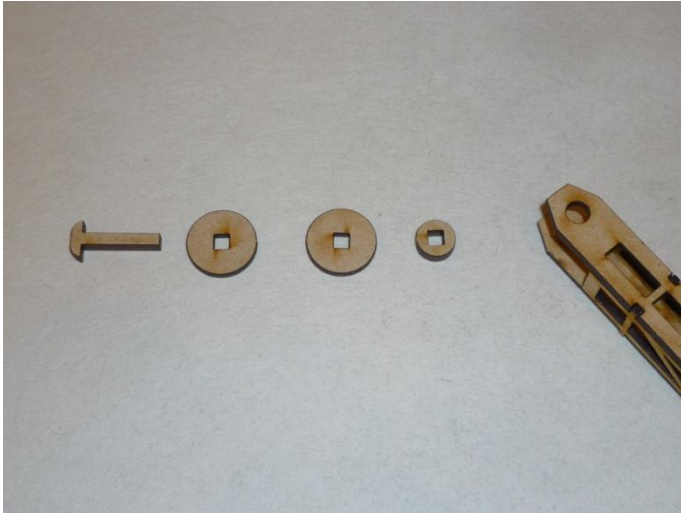
Glue the boom together as shown. **Set aside and let dry thoroughly!**



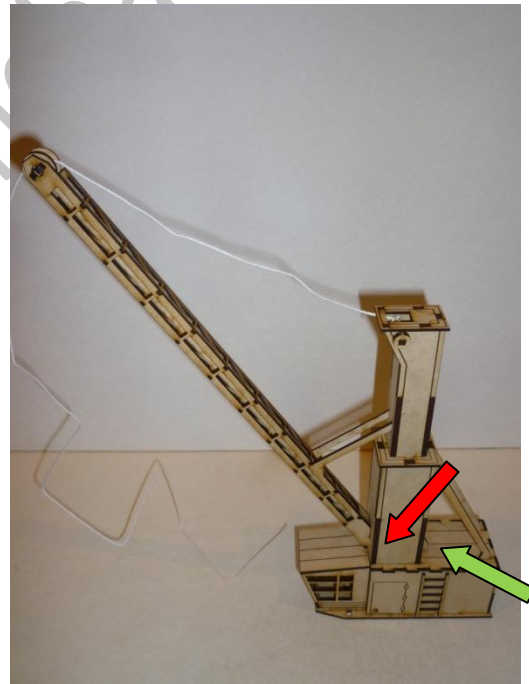
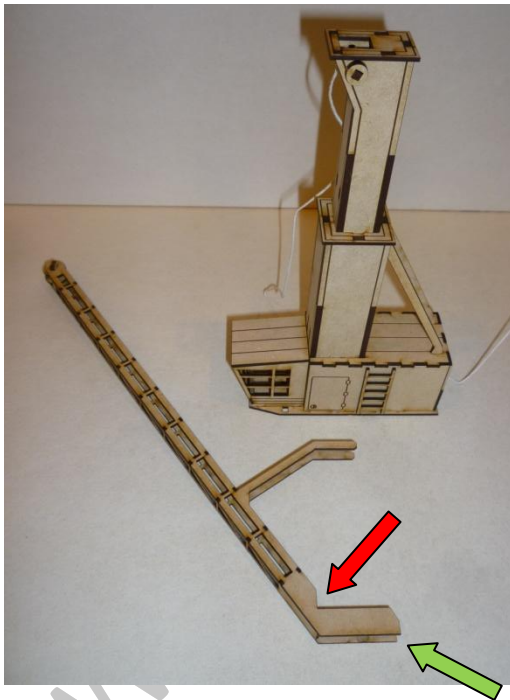
Industrial



Add the roller to the top of the boom. Do **not** glue axle into the boom!



Carefully insert the boom into the middle and upper shaft! Make sure to put it all the way through so that the two lower ends protrude out of the back wall of the middle shaft!



Industrial

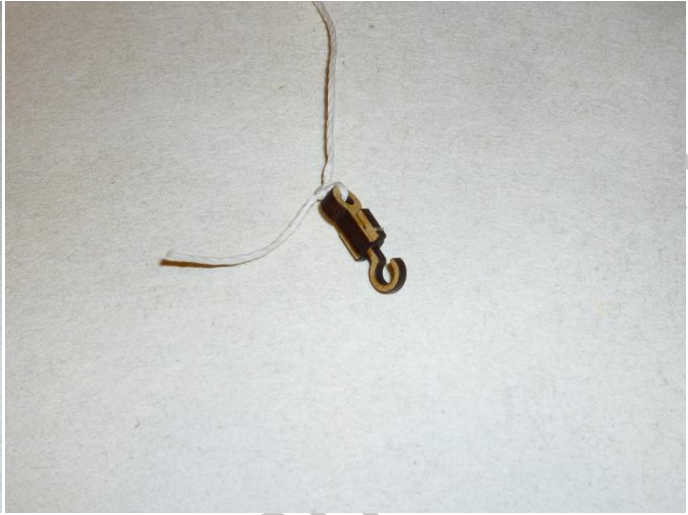


Buildings On A Budget by

Things from the Basement, LLC

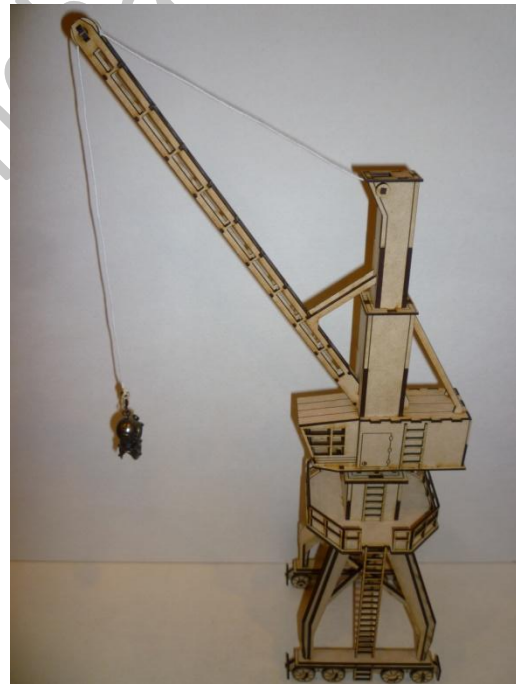
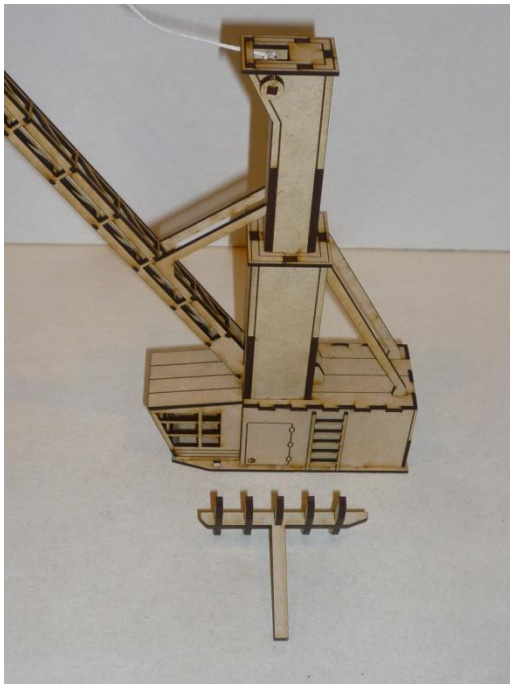
Dollhouse & Wargaming Miniatures

Construct hook as shown. Fasten loose end of the yarn to the hook. Cut off any access yarn.



Glue upper structure onto vertical axle. **Let dry thoroughly!**

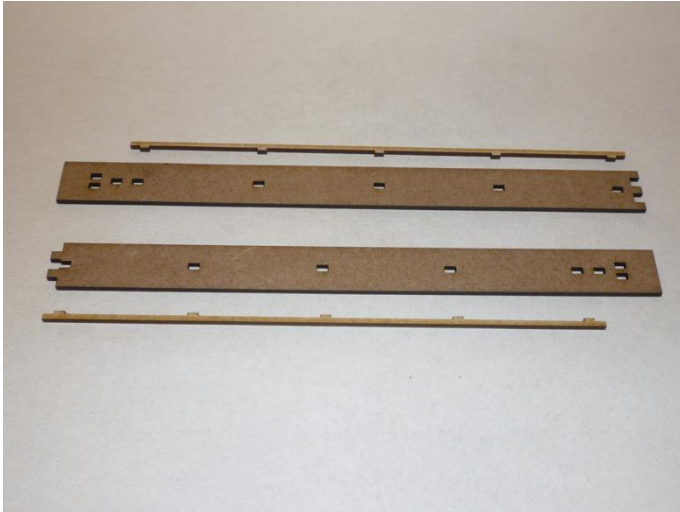
Insert upper structure into frame. **Do not glue!** Upper structure rotates 360°.



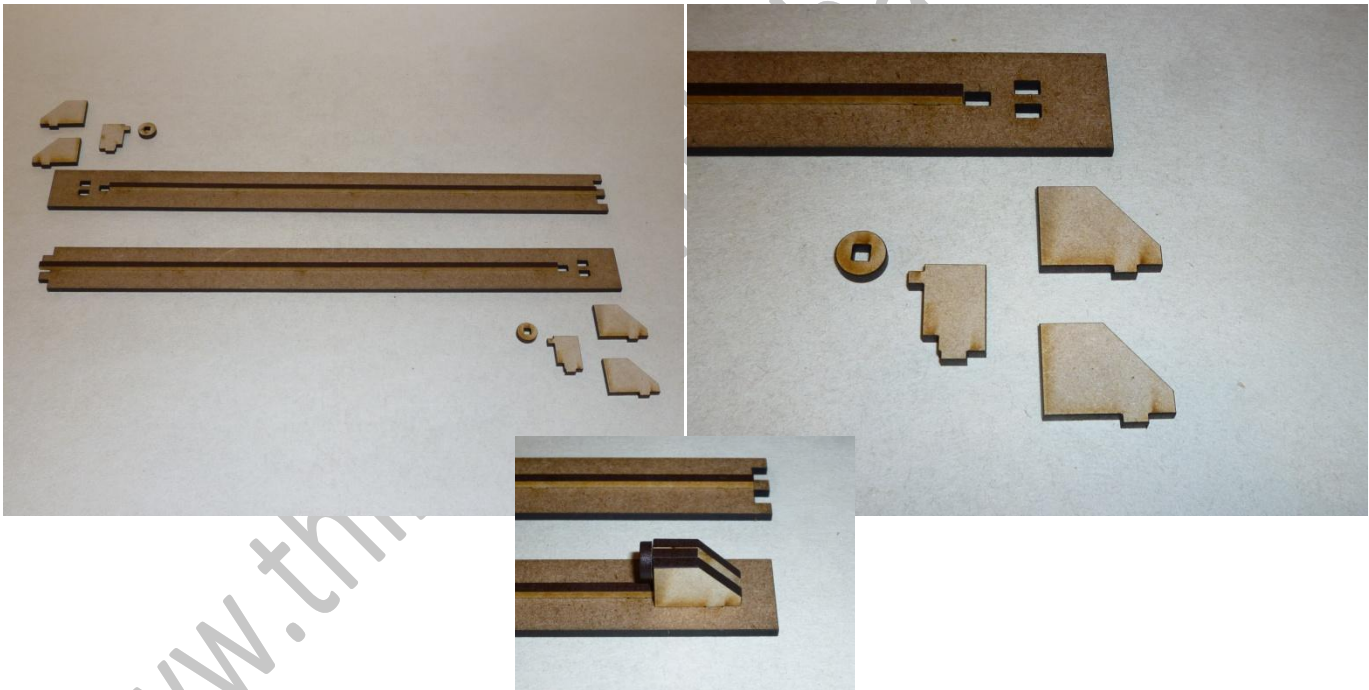
Industrial

Bases with tracks:

Glue tracks onto bases as shown. Repeat step for second set of bases.



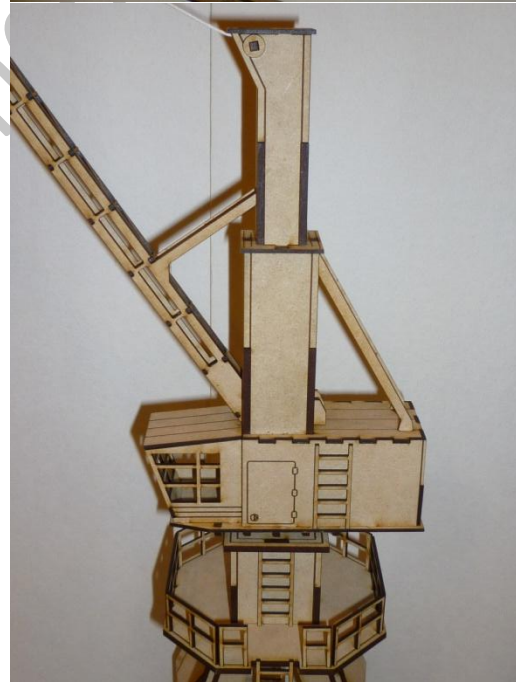
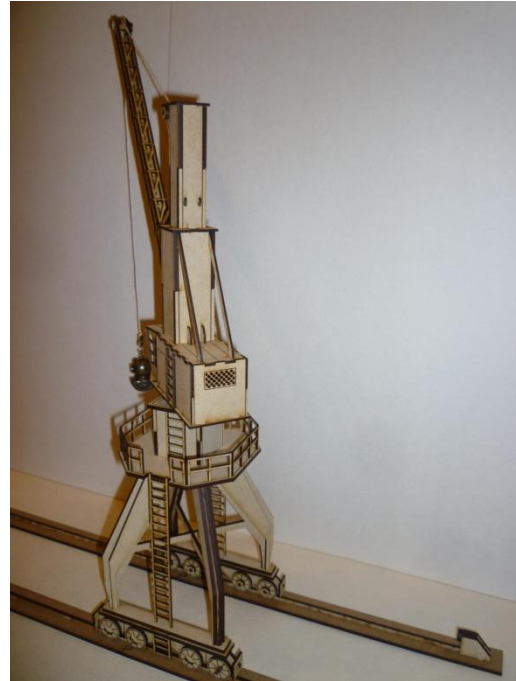
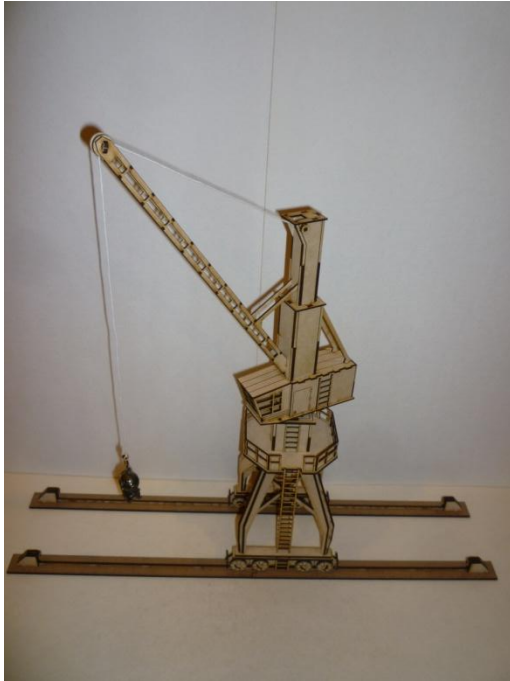
Glue bumper onto base ends as shown. Then add side pieces to bumper and base. Repeat step for second set of bases.



If you ever experience problems or difficulties in finishing this kit don't become desperate! Just send me an email at 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!

Industrial

Photos of finished kit:



Industrial

