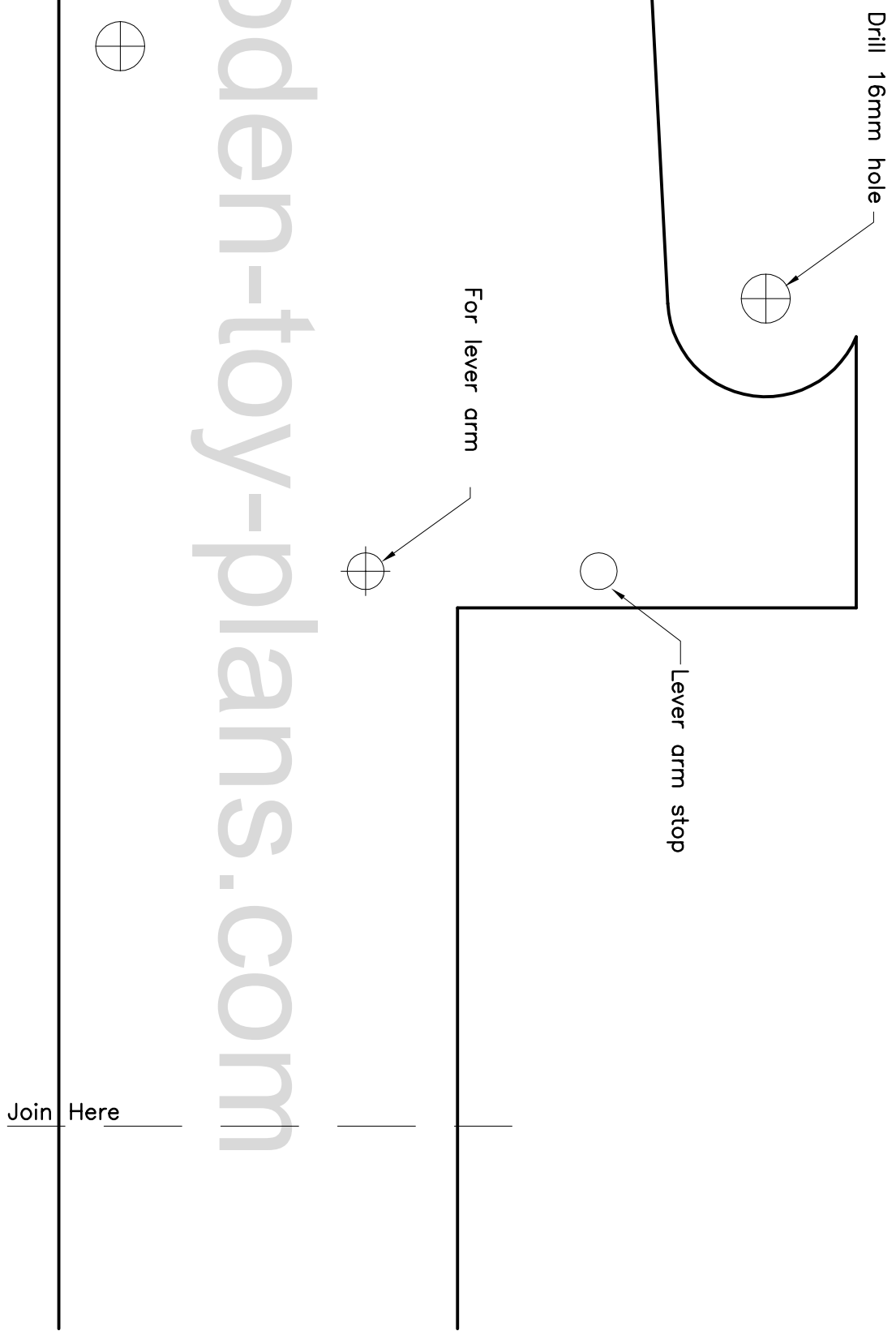
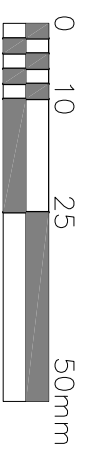


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Dump Truck Mk1

Sheet 2 of 2



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Dump Truck Mk1

Sheet 1 of 2

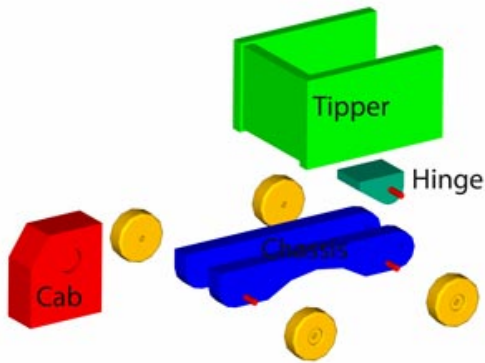


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More Free Toy Truck Plans



Mk 2

[Mid size toy tipper truck](#)

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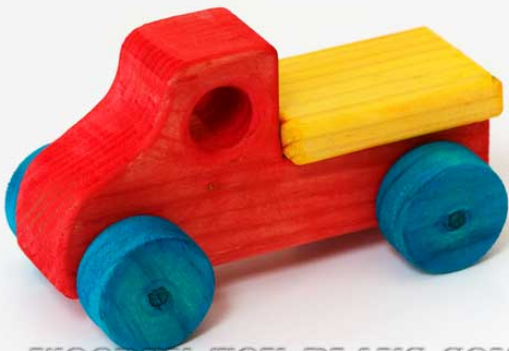


Mk 3

[Mini toy tipper truck](#)

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Mk 4

[Micro flat bed toy truck](#)

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Free Wooden Toy Truck Patterns

Step by step instructions to make a lever action toy tipper truck.



Searching the Net for toy truck plans, I found this vintage plan for a lever action toy dump truck.

Had a bit of scrap wood lying around, decided to use that for this project.

The photo above shows a few embellishments, including the mudguards over the front wheels and the headlights.

Started by cutting up the paper plan to trace a rough outline of the profile. Maybe this was not such a good idea, should have used carbon paper instead.

If you don't have carbon tracing paper, a neat trick is to rub a soft pencil on the back of the plan, then trace the outline directly onto the workpiece.

Mark the position of the wheels and the lever arm, as well as the center of the radius that forms the cab.

To hold the two sides for cutting and trimming, I glued them together with a sheet of paper in between. This is a trick our wood-turning cousins use quite often.

Using something called sticky dots is also a good idea, or double sided sticky tape of the type used in photography.

Tools

This toy can be made with common tools. Personal safety is always the first consideration when dealing with such small pieces of timber.

Below is a list of some of the tools that I used to complete the project. Clicking on the link will take you to eBay where you can do research on what is available and compare prices.

- [Power drill](#).
- [Jigsaw](#) or [bandsaw](#) or [scroll saw](#).
- [Tenon saw](#), also known as a back saw.
- [Combination square](#).
- [Woodworking quick grip clamps](#).
- Hacksaw to cut the wooden dowels
- Wood file to round over all the edges.
- Sanding block with 120 and 80 grit sandpaper.
- 22mm [7/8"] dia. Spade bit or Forstner bit.
- A selection of drill bits.

Making Wooden Toy Wheels.

For this toy dump truck, I [made my own wheels](#), or you can use store bought wheels up to 60mm in diameter.

Step by Step Instructions.

A picture is worth a thousand words, but it sure does use up a lot of ink. In order to save the planet, and a bit of money, I decided to include each illustration at the end of the document on a separate page. That way you can use the link to have a look at the illustration to make sense of the instructions and choose to print it or not.

It's always a good idea to read through the instructions and study the plans first. These are guidelines only, your level of experience will no doubt supersede these suggestions.

The parts are assembled in a manner that should allow time for the glue to set between each step. Having said that, I have also used hot melt glue for certain steps because it is so much faster.

Step 1

[Click on the link to view the illustration for Step 1.](#)

In this step, I cut out the shape of the body and used this paper template to mark out two shapes as shown in the cutting diagram.

Using double sided sticky tape or removable sticky dots to hold the two work-pieces together and the paper template on top of that, I carefully cut out the body shape with a jigsaw. It is a good idea to mark the position of all the wheels and the hinge point of the lever arm before removing the paper template.

Drill the holes for the wheels, but not the lever arm at this stage.

Smooth the edges cut by the jigsaw, and you are ready for the next step.

Step 2

[Click on the link to view the illustration for Step 2.](#)

Glue the top of the bonnet (part C) to the right hand side of the truck body (Part A1), making sure it is perpendicular.

Because I did not want to wait too long for the glue to set, I used hot melt glue as an experiment, and I was quite amazed at the strength of the joint. More about hot melt glue here.

Step 3

[Click on the link to view the illustration for Step 3.](#)

Trim Part B to fit then glue in place. Glue Part D in place.

Step 4

[Click on the link to view the illustration for Step 4.](#)

Glue the left hand side (Part A2) in place, and the roof (Part F.)

Step 5

[Click on the link to view the illustration for Step 5.](#)

Make Part E, the hinge for the tipper tray. Hold it in place and mark the size to cut, allowing a millimeter or so for clearance.

Step 6

[Click on the link to view the illustration for Step 6.](#)

The floor of the tipper tray held in place and two pilot holes drilled into part E for a pair of woodscrews. Test the movement of the tipper and trim as required.

Step 7

[Click on the link to view the illustration for Step 7.](#)

This is where we determine the position of Part G, which essentially also limits how far the tipper tray moves. With Part G in place, drill pilot holes on both sides. Remove the tipper tray and glue Part G in place using wood screws as clamps. Once the glue has set, you can trim it to size. You may also want to remove the screws and replace them with dowels.

Step 8

[Click on the link to view the illustration for Step 8.](#)

Making the tipper tray. Glue the two sides in place, and the front.

When the glue has set, glue the tipper tray assembly to the hinge.

The lever arm (shown red in the photo) is held in place with a wood screw. Mark the position of the lever arm on the underside of the tipper tray.

Step 9

[Click on the link to view the illustration for Step 9.](#)

Drill a shallow hole in this position to enable the lever arm to rest in this position.

Step 10

All of the component parts are ready, all that remains is the final assembly, sanding the edges round and painting to colours of your choice.

Finishing

There are many ways to apply a finish to a wooden toy. I have used food colouring on pine to good effect.

Link to [child safe paints](#) for finding a non toxic paint that is child safe and zero volatile organic compounds in an over-toxicated world an article on non toxic paint by Deliah Jones.

Conclusion

I certainly hope you have enjoyed making this project. Use this [contact me](#) form if you would like to submit your project to the [photo gallery](#).

About hot melt glue

The advantage of hot melt glue is the speed at which it sets, which is in a way also a disadvantage, because there is no room for error. You have to match up the two pieces really quickly before the glue cools and a proper bond is not formed.

Step 1

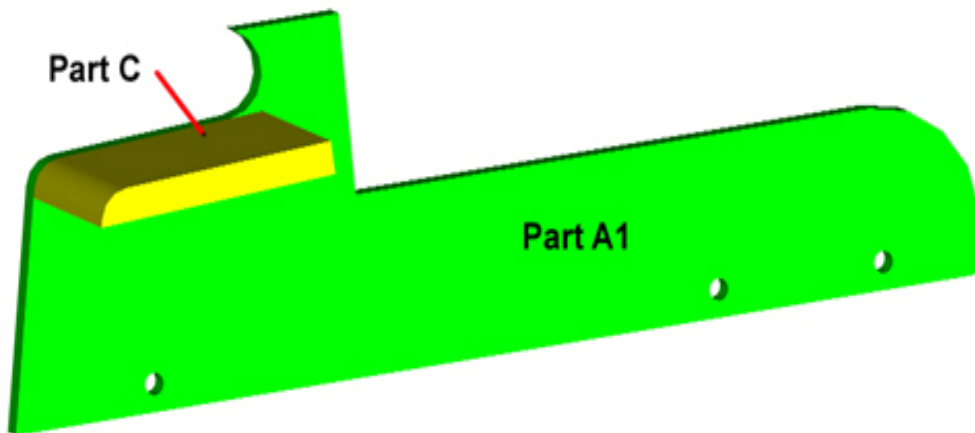


Step 1 Template attached to work-piece

[Back to Step 1 Text](#)

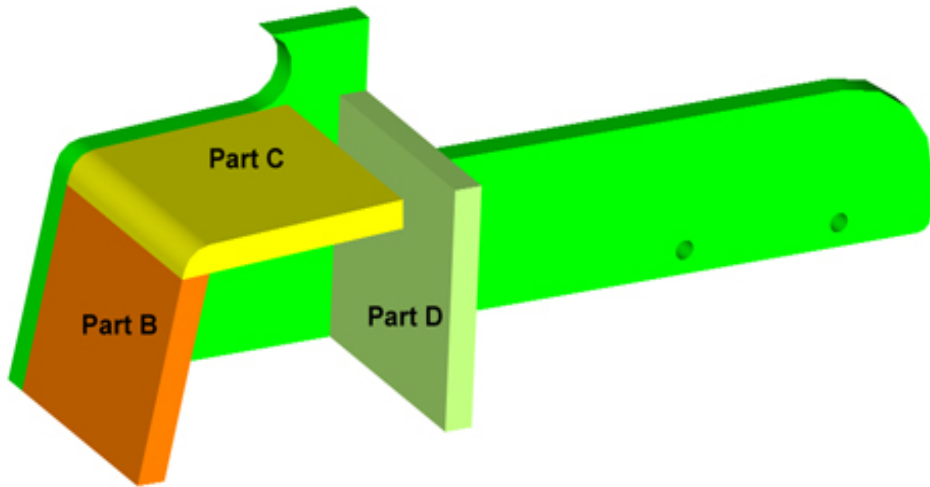
Step 2

Step 2



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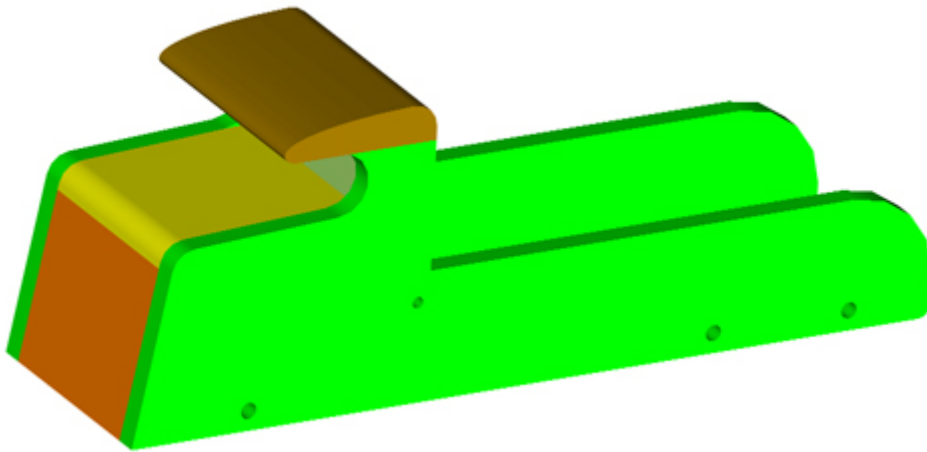
Step 3



Step 3

[Back to Step 3 text](#)

Step 4



Step 4

[Back to Step 4 text](#)

Step 5



Step 5

[Back to Step 5 text](#)

Step 6



Step 6

[Back to Step 6 text](#)

Step 7



Step 7

[Back to Step 7 text](#)

Step 8



Step 8

[Back to Step 8 text](#)

Step 9



Step 9

[Back to Step 9 text](#)

Step 10



Step 10

[Back to Step 10 text](#)