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Digital Patterns

Designed by Steve Good

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Note to commercial print employees: I give my permission to print as many of this pattern book as your customer requires.

steve@stevedgood.com

General Pattern Information

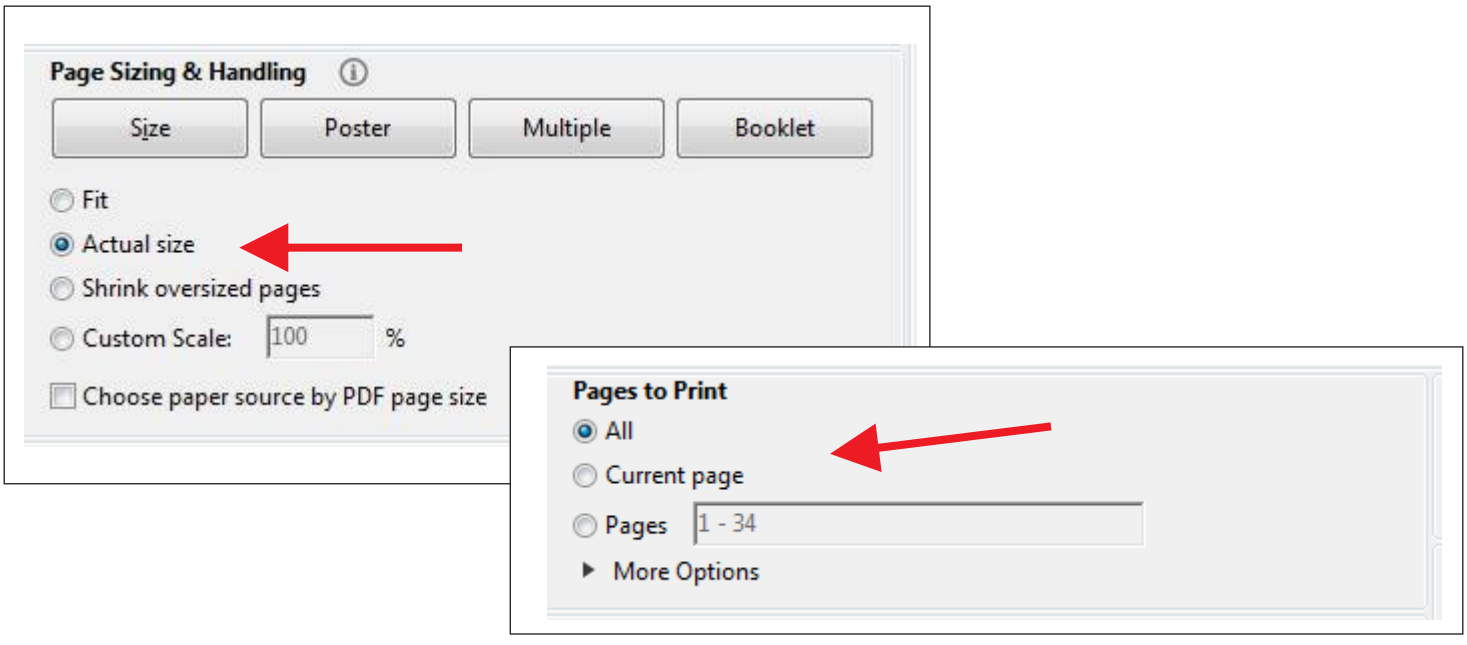
You may use this pattern to make as many of the project as you like. You are free to use any technique including mass production to build the project. The pattern may be copied and given to others provided the entire book is kept intact. You may not sell the pattern or include it in another commercial package of any type.

Steve Good retains the right to the pattern. If you have any questions about the use of this pattern please contact me at steve@stevedgood.com

Printing Instructions

When printing this pattern it is important to print it full size. When you bring up the print dialog box look in the “Page Sizing & Handling” section. Make sure the “Actual Size” is selected before you hit print.

You also only need to print the page/s you need. After the print dialog opens look for the “Pages to Print” section. You can print the current page or a range of pages. This will help save ink by not printing the title/instruction pages.

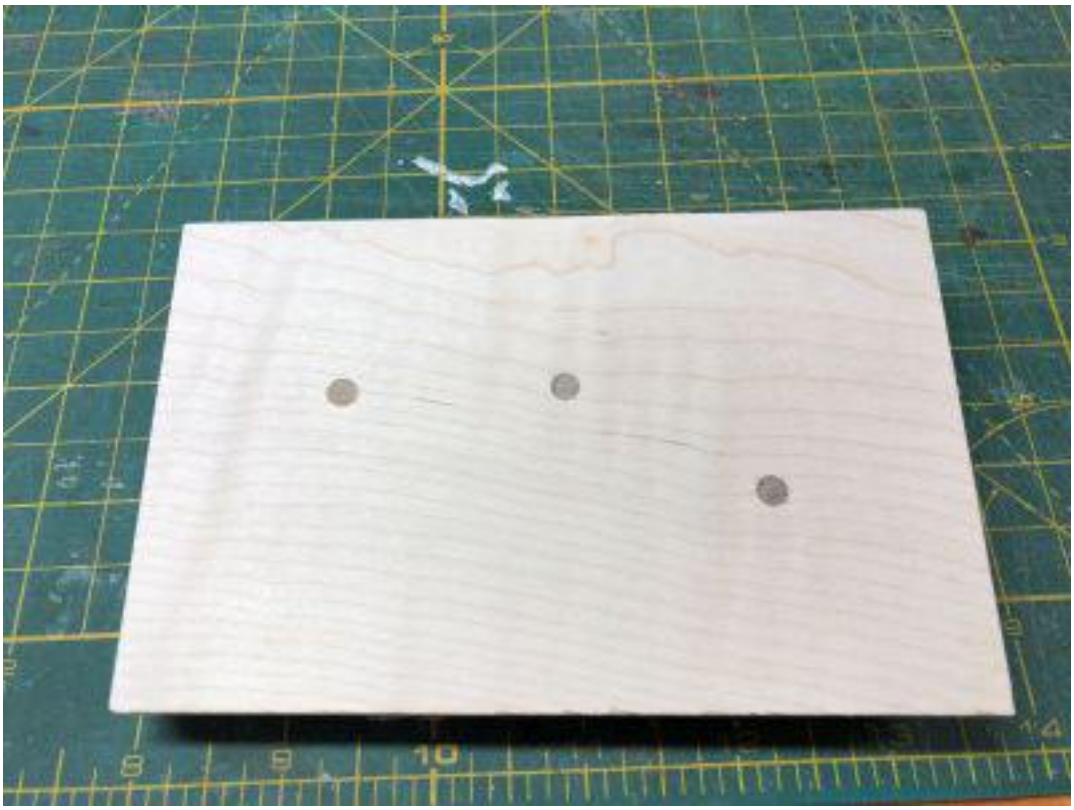


Gear Box for mechanically inclined people.

Includes bottom gear decoration.

I used axle pegs for the gear shafts. I used pegs with a 7/32” shaft diameter but any pegs will work.

Remember that the gears need to turn freely on the pegs and the pegs need to be a tight fit in the box lid. I use two different size drill bits to make this work.

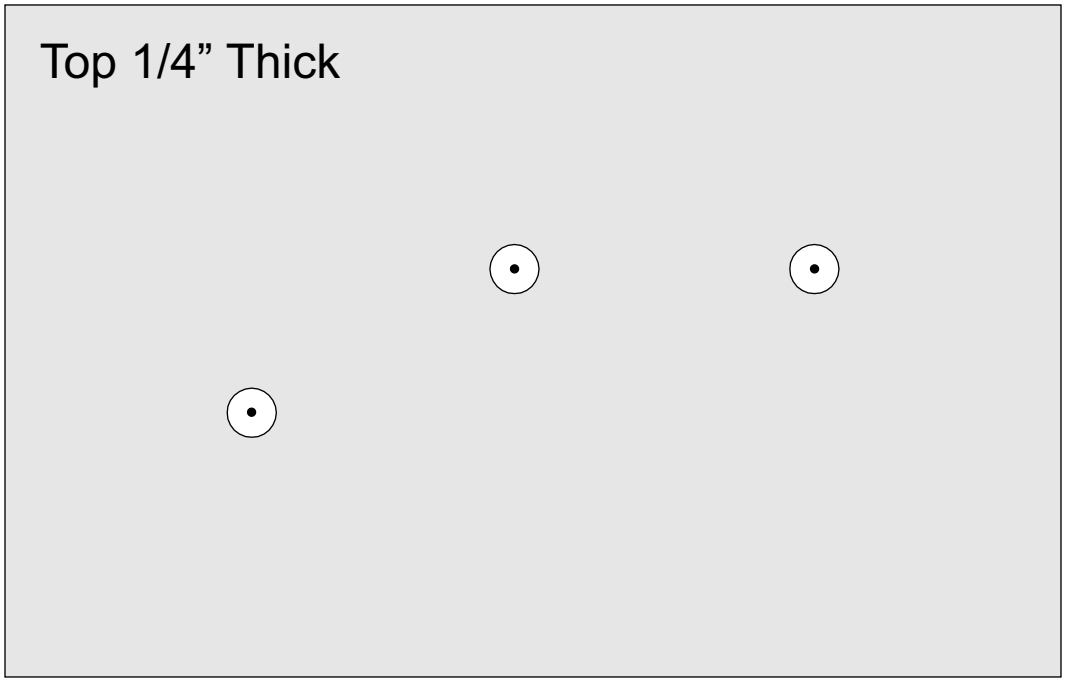


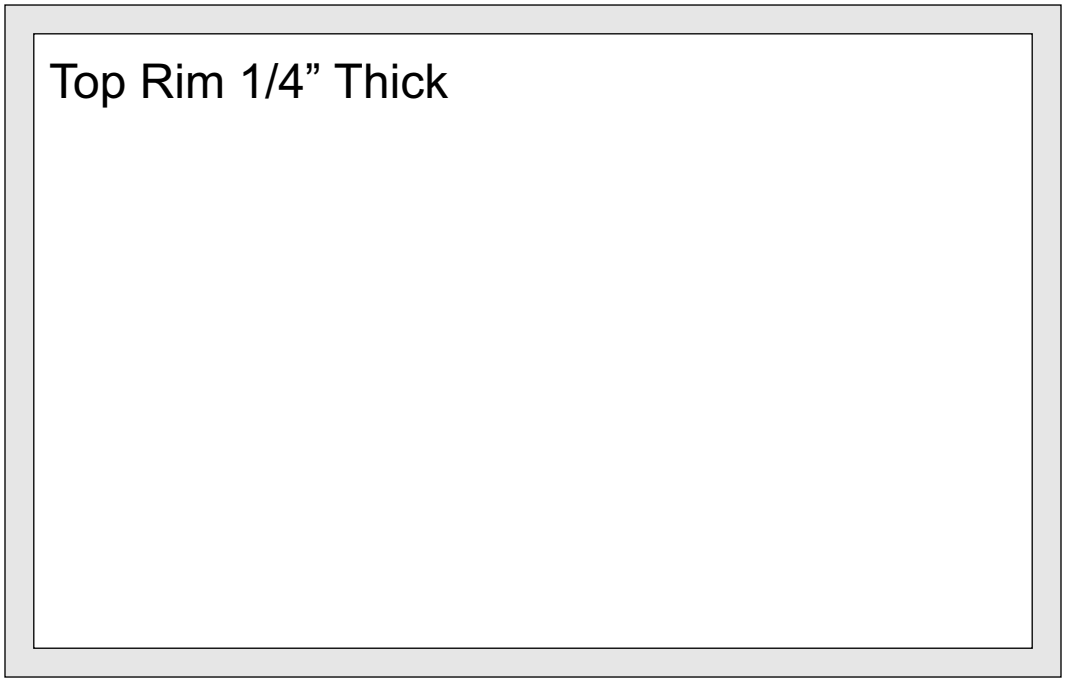
Sand the axle pegs flat on the back of the lid.

When you glue on the top rim make sure it does not interfere with the rotation of the gears. It is designed to be a close fit.

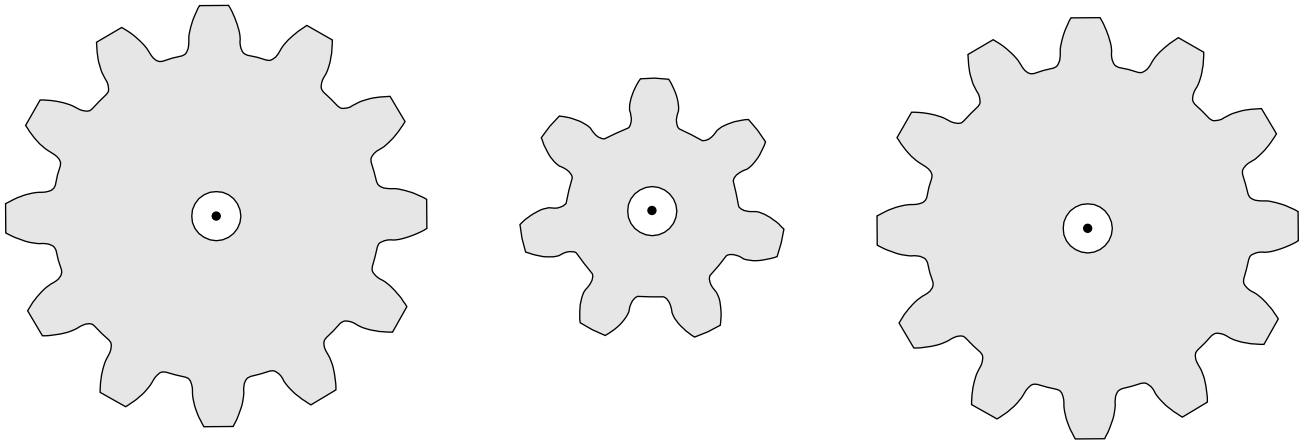
Print the optional graphic of photo paper. Glue it in to the bottom of the box. When I finished the box with spray lacquer I sprayed over the graphic also.

If you use a different finish you may need to insert the graphics after the finish dries.


Top 1/4” Thick


Top Rim 1/4” Thick

Gears are 1/4” Baltic birch plywood.



For a good mesh you want to just cut on the pattern line of the gears.

This piece is glued to the bottom of the lid. It is slightly undersized for a loose fit.

1/4” Thick

Walls at least 1” Thick

Bottom 1/4” Thick

Bottom graphic. Print on photo paper.
Cut to fit.

Original graphic from www.freepik.com