

# SCROLLSAW WORKSHOP

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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.

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## 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](mailto:steve@stevedgood.com)

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.

## Printing Instructions



## Flapping Wing Bird Mobile



Construction of this bird mobile is all about balance. The strings in the wings need to be set at a point where the bird balances with the wings straight out like the picture above

This project requires testing as you build. The balance needs to be checked at every point of the assemble.

Video Link

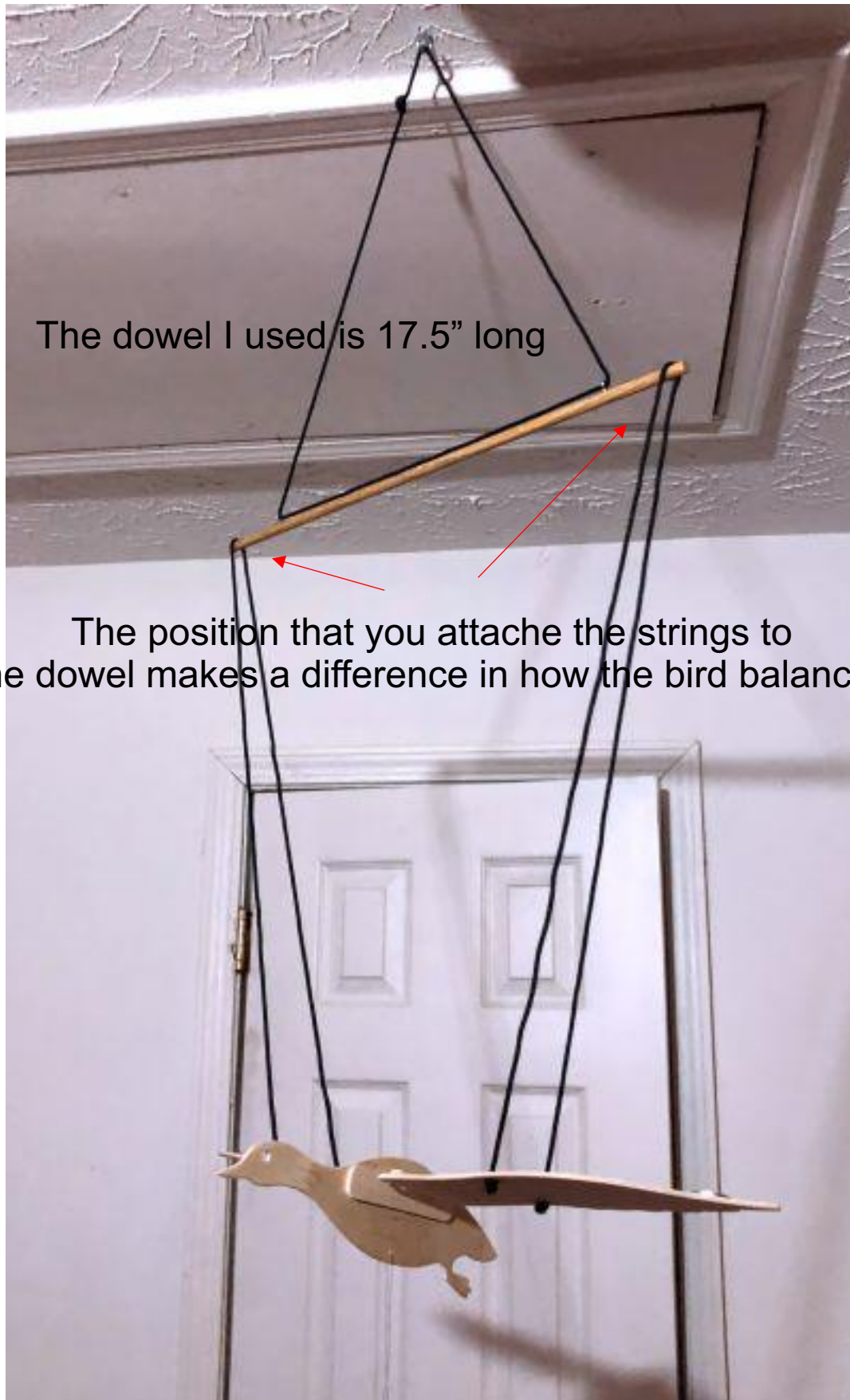




Notics that I used weights to help balance the bird.

I tied knots in the string under the wings. You could use fishing line if you have it to hide the string a bit.





The dowel I used is 17.5" long

The position that you attach the strings to the dowel makes a difference in how the bird balances

I used the small eyelet screws here



I super glued these string in place.



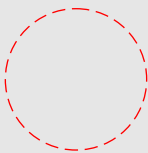
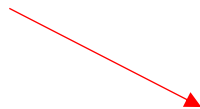
I used 8 small eyelet screws as the pivots for the wings. Use any technique you have to attache the wings  
Many builders just use fishing line through the wings and  
bird body.



I tied a short dowel to a string under the bird  
as a pull.

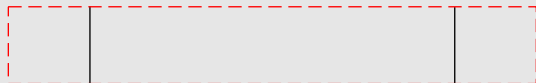


Add weights as needed  
to balance.



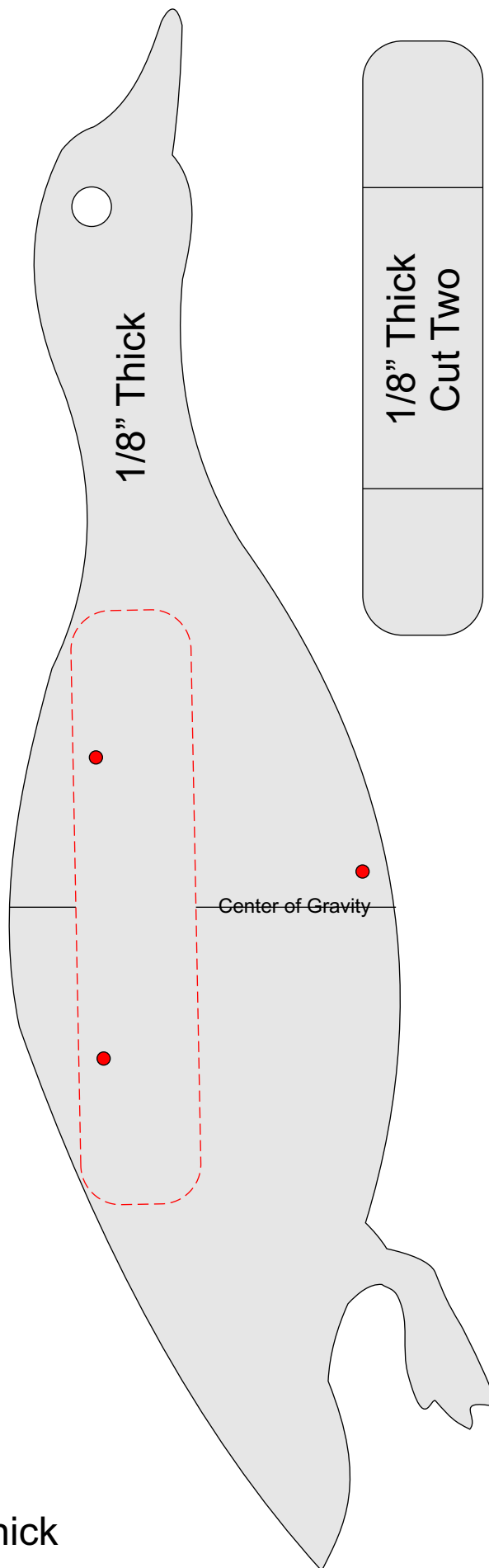
1/8" Thick  
Cut Two

Approximate hole  
position. Adjust  
to balance.



Adds thickness for the eyelet screws.

1/8" Thick  
Cut Two



1/8" Thick

Center of Gravity

1/8" Thick  
Cut Two