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21M.606 Introduction to Stagecraft  
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21M.606 Intro to Stagecraft

## Final Project Proposal: Glider Chair

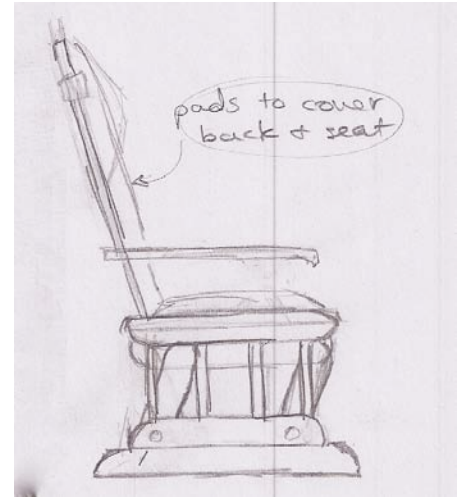
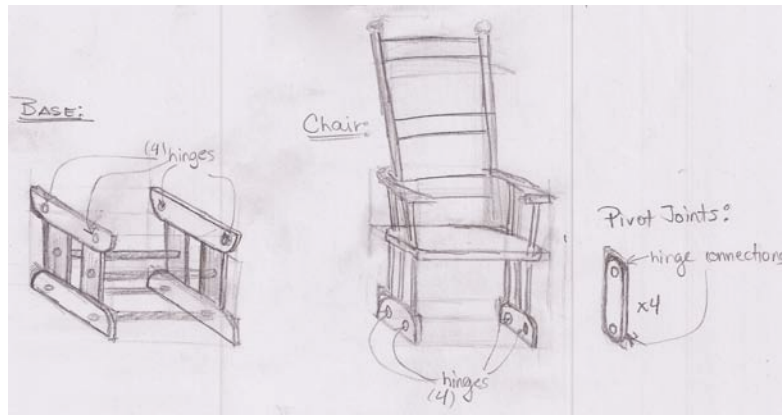
### **Project Description**

For the final project, I propose to construct a Glider Chair. There are many possible designs, but I will model mine off of the styles shown in the following reference photos. The majority of the project will focus on the carpentry aspect of designing and constructing the chair body. However, I also plan to produce a padded cover to drape over the back and seat portion of the chair.

Images removed due to copyright restrictions. Please see  
<http://www.outdoorhomecenter.com/outdoor-furniture/chairs/RollbackGliderChair.jpg>  
<http://webzoom.freewebs.com/orleansoutdoorcentre/Chairs/chair%20ad%20classic%20glider%20CHG151rev.jpg>

### **Challenges**

The challenges of undertaking this project include having the proportions and dimensions of furniture match up, especially with the added complication of moving parts. To solve this problem, I will approach the design & construction in a modular fashion, isolating separate parts of the whole piece. The following sketches demonstrate one such modular breakdown of the piece.



The first main de-coupling is the separation of the base, chair and hinges. Subsequently, the chair piece can be further broken up into the seat piece (including the hinges) and the chair back / arm rests.

## Timeline

Here is the breakdown of how I will approach the design and construction of the piece:

### Design & Measurements: (March 13th)

I will need one week to settle on the style of the various parts, lock down the dimensions, and calculate the type and amount of lumber, hardware, and fabric.

### Base Construction: (March 20th)

I will need a week to cut and assemble the wood for the base module.

### Chair Base Construction: (April 3rd)

I will need a week to cut and assemble the wood for the chair seat.

### Chair Back Construction: (April 10th)

I will need a week to cut and assemble the wood for the chair back and arm rests.

### Assembly and Finishing: (April 17th)

I will use another week to stain and assemble the pieces.

### Cushion Construction: (April 24th)

Finally, the last week will be used to make the cushioning to drape over the back and seat of the finished chair.