

Building the B&CC: The Water Towers

Ryan Moats, MMR

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AND
CENTRAL CITY

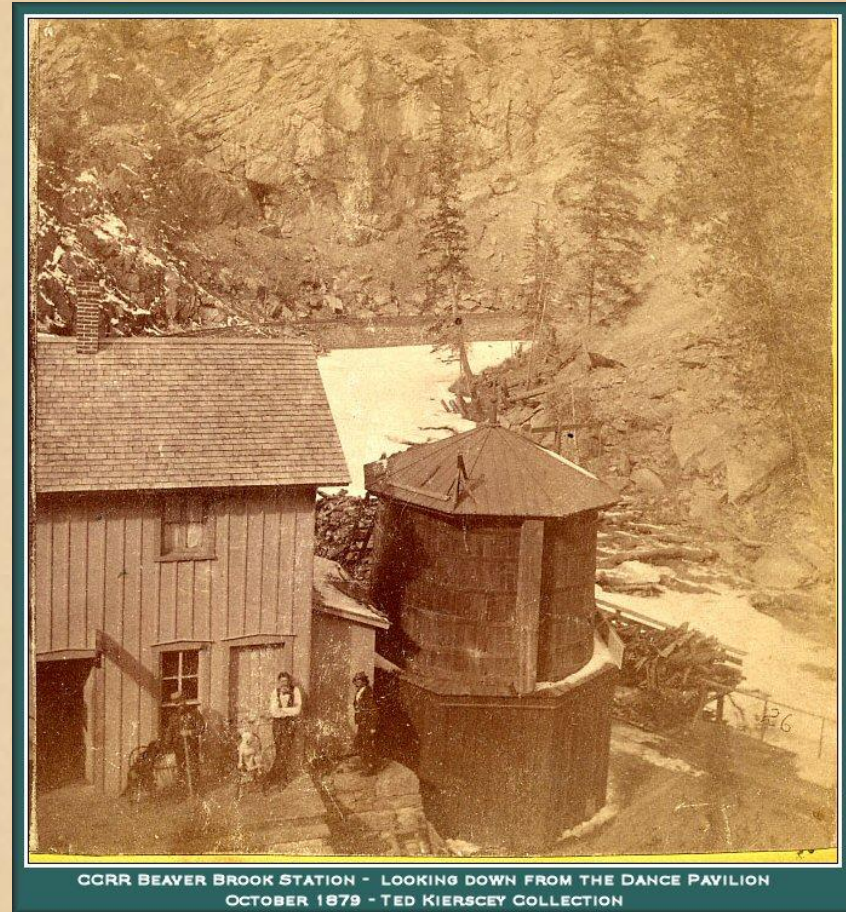
Blackhawk and Central City

- Set in 1870
- Small (< 70 sq. ft.)
- Freelance, based on prototypical track construction standards (the CCRR and the Gilpin Tramway)
- Scratch build as much as possible (track, cars, motive power, structures, and throw mechanisms, so far)
- Cover the eight miles of CCRR track built along the north fork of Clear Creek from Forks Creek to Central City
- Operations focusing on early rail issues.

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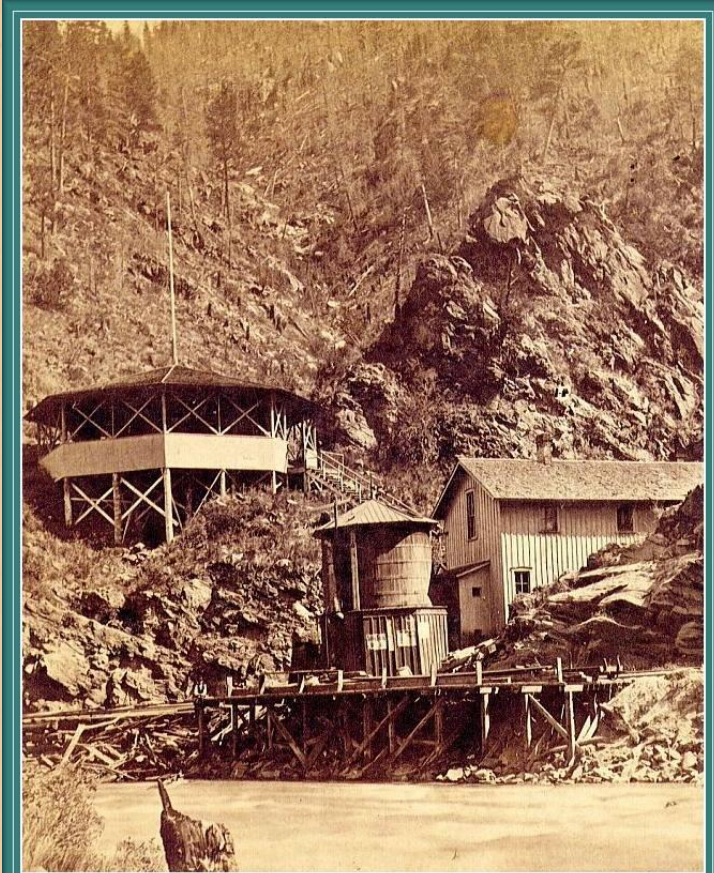
Prototype

- CCRR's 8930 gallon tank at Beaver Brook (Photo from DPL)
- Board and batten wainscoting
 - protect piping
 - posting board
- Shape
 - Parquet planking
- Filler pipe detached from outflow pipe
 - Stored to the side to provide clearance

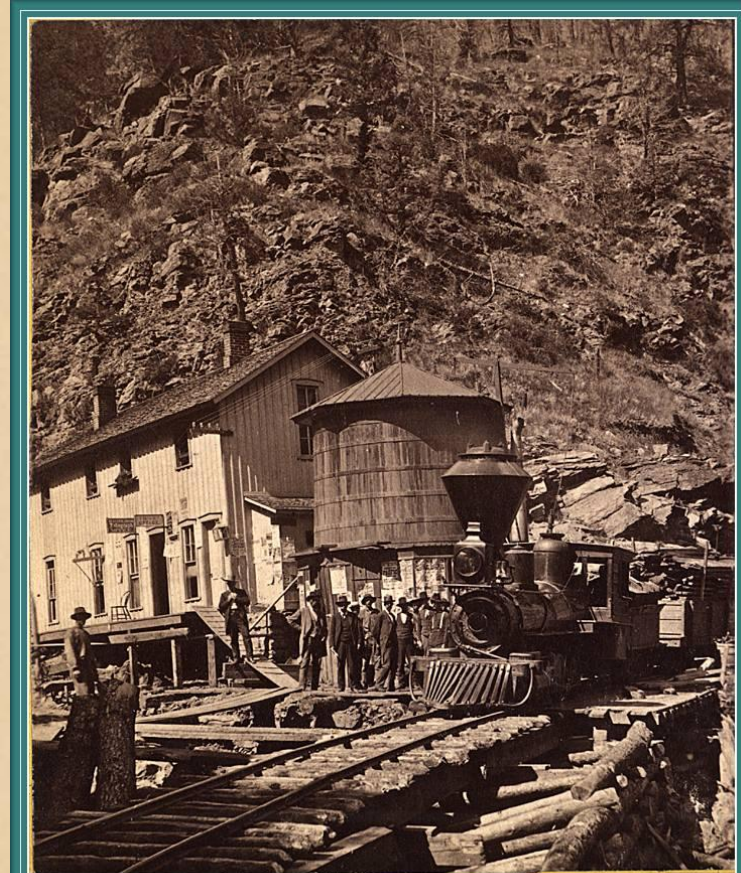


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More on the prototype



Beaver Brook Station and Dance Pavillion - 1880 - Ted Kiersey Collection



Beaver Brook Station - 1878 - Ted Kiersey Collection

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Process

- SubAssemblies
 - Tank
 - Support Truss
 - Roof
 - Decking
 - Detail parts
- Putting it all together

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Tank Subassembly - 1



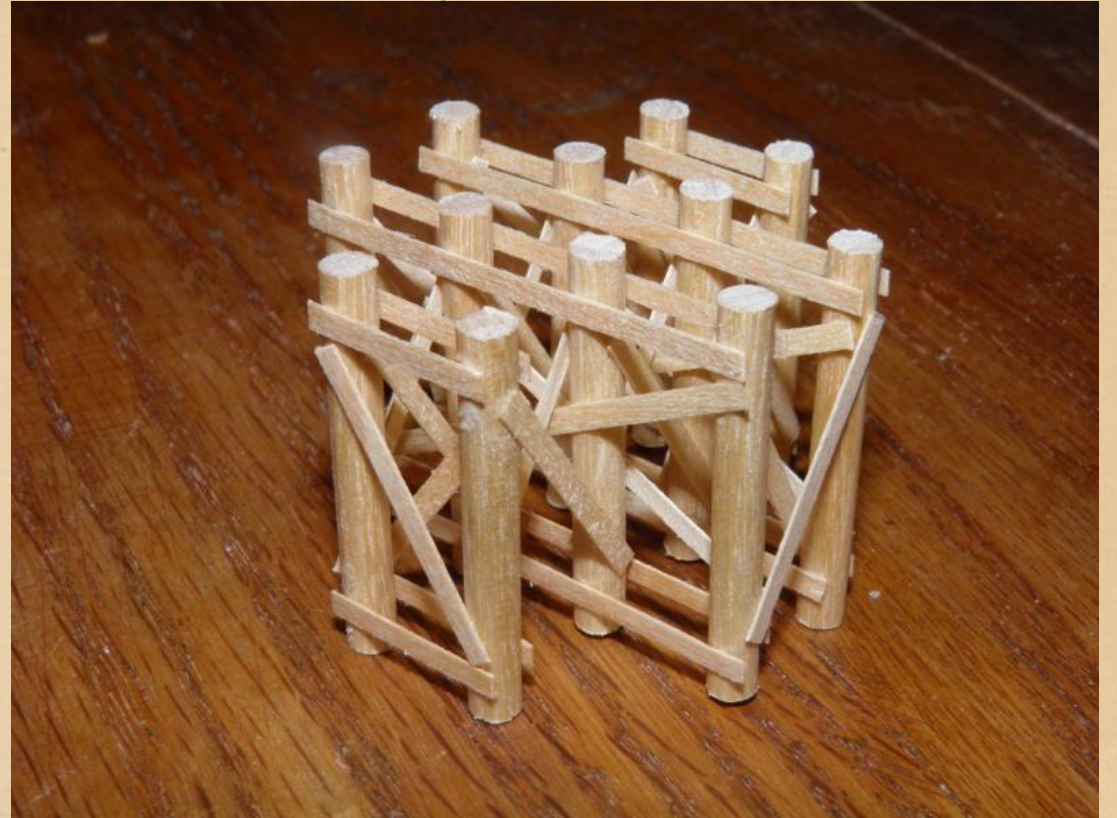
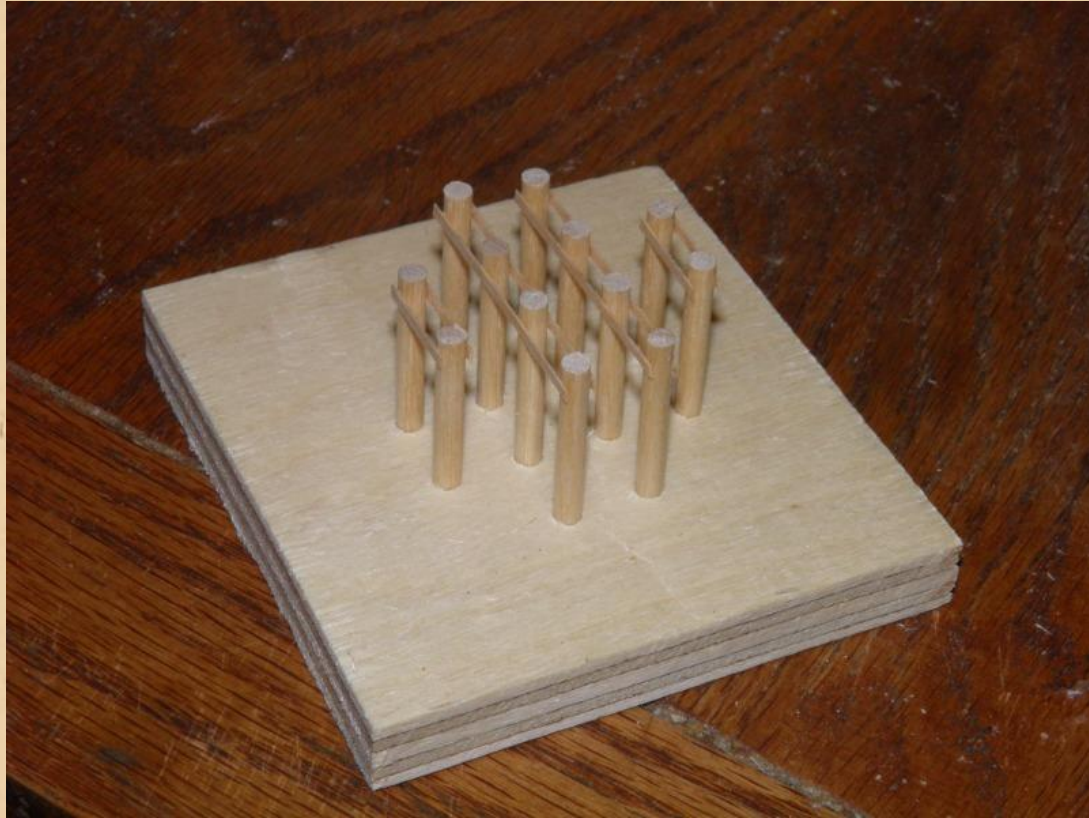
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Tank Subassembly - 2



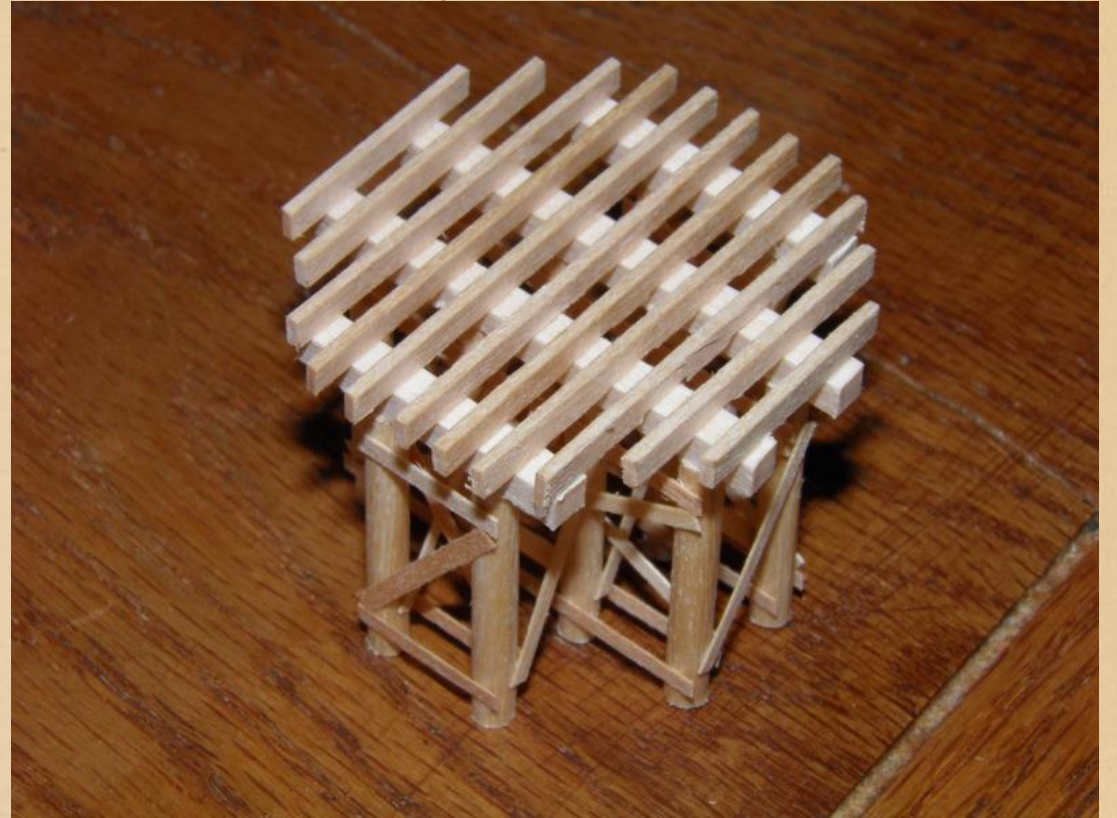
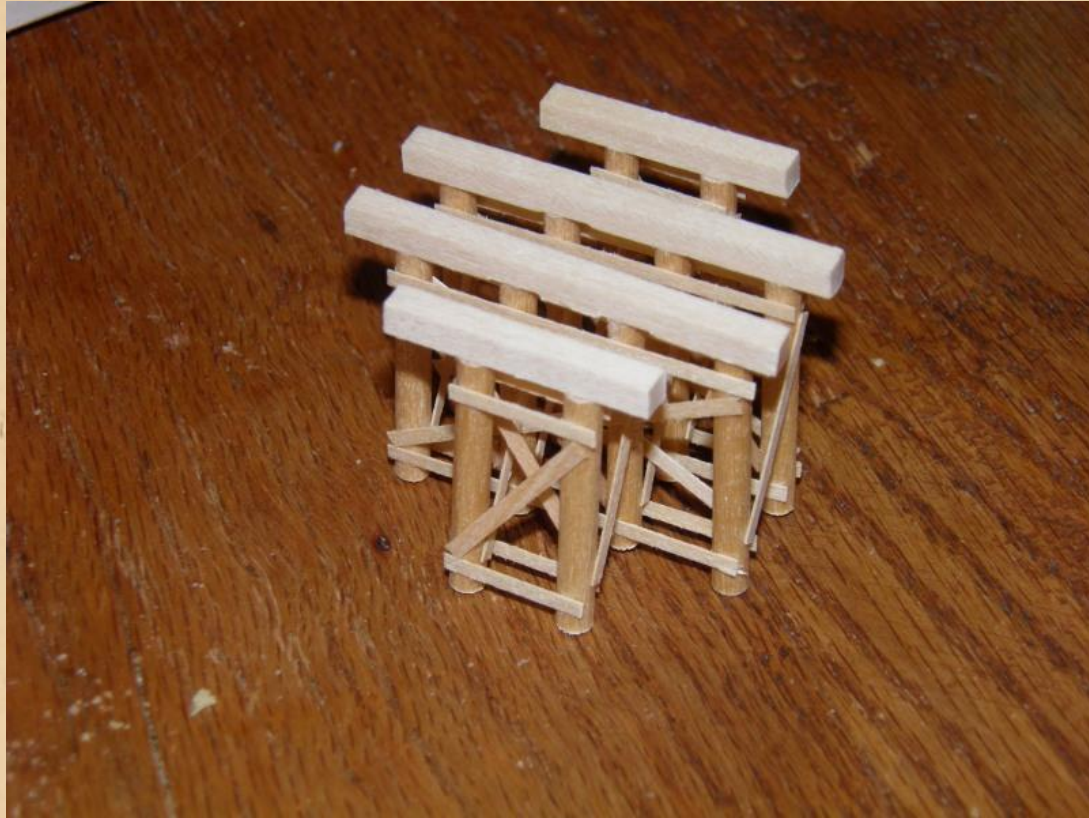
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Support Truss - I



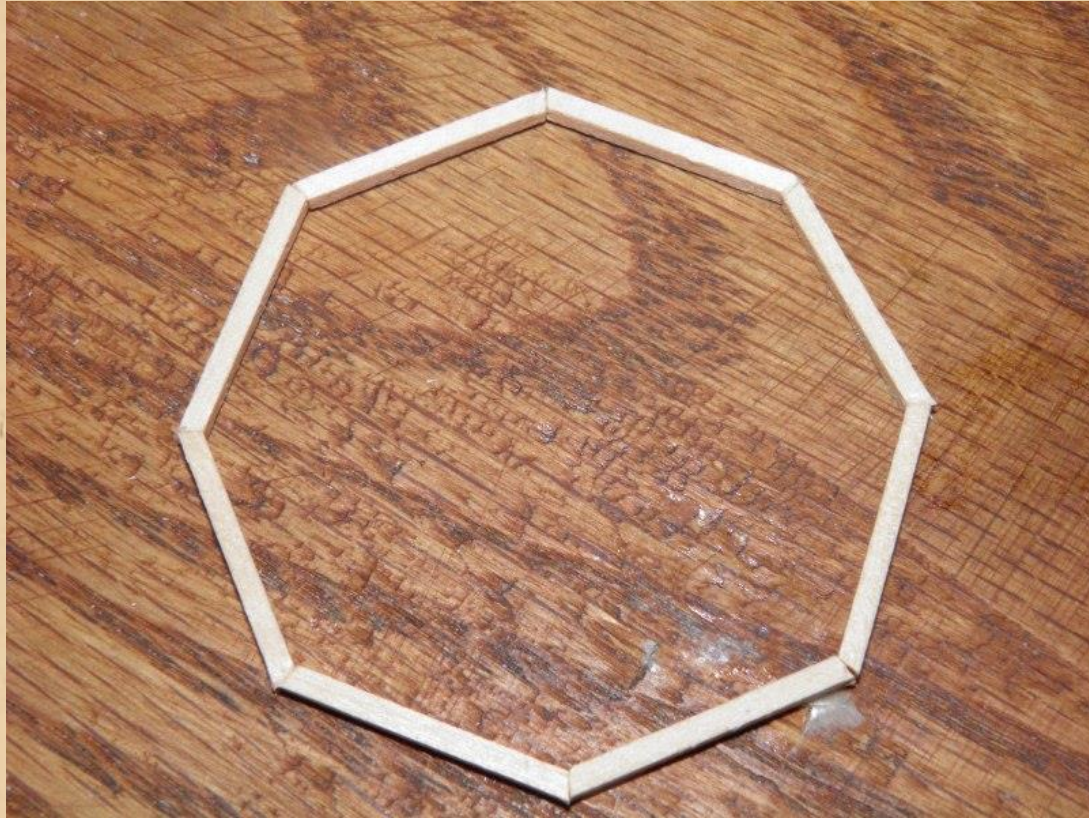
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Support Truss - 2



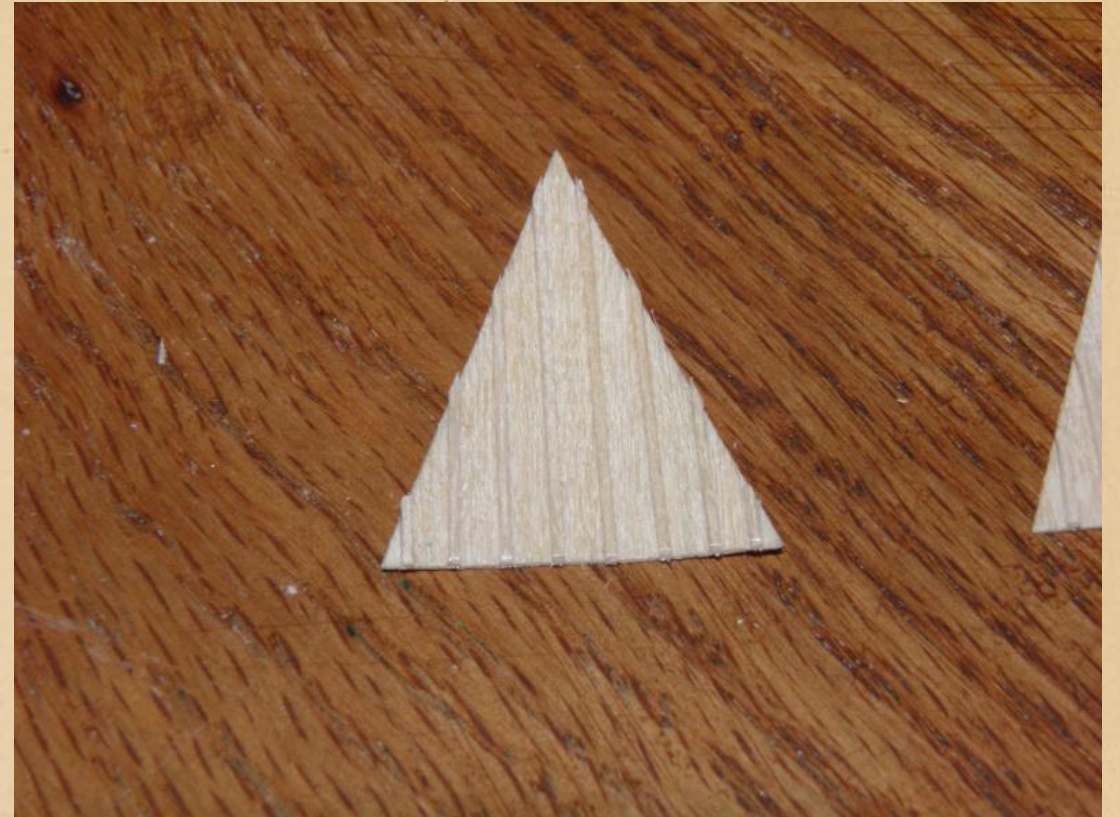
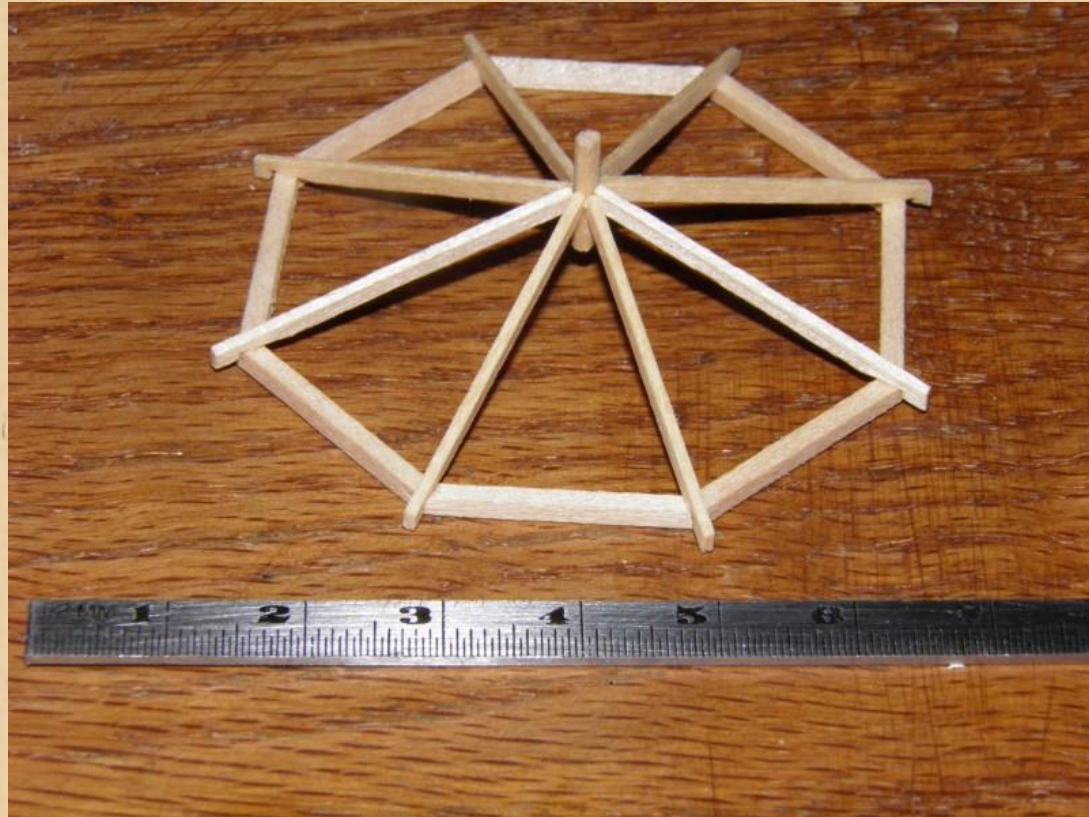
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Roof Subassembly - 1



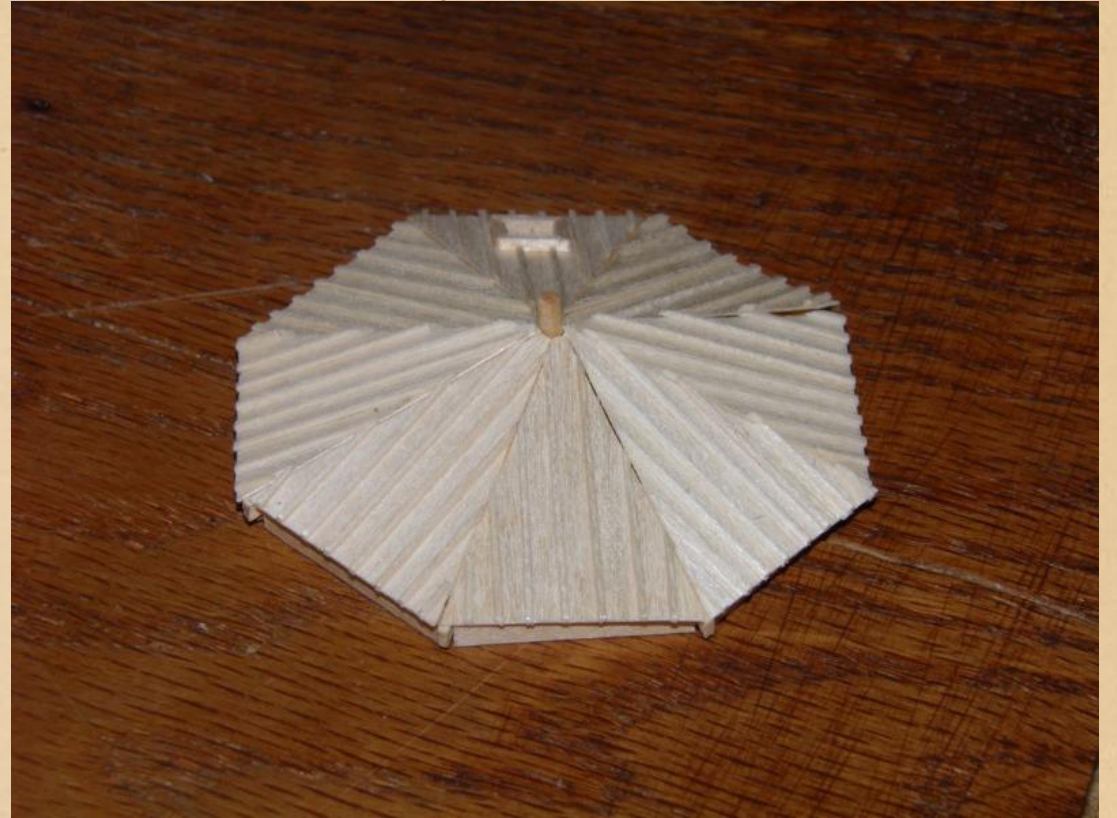
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Roof Subassembly - 2



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Roof Subassembly - 3



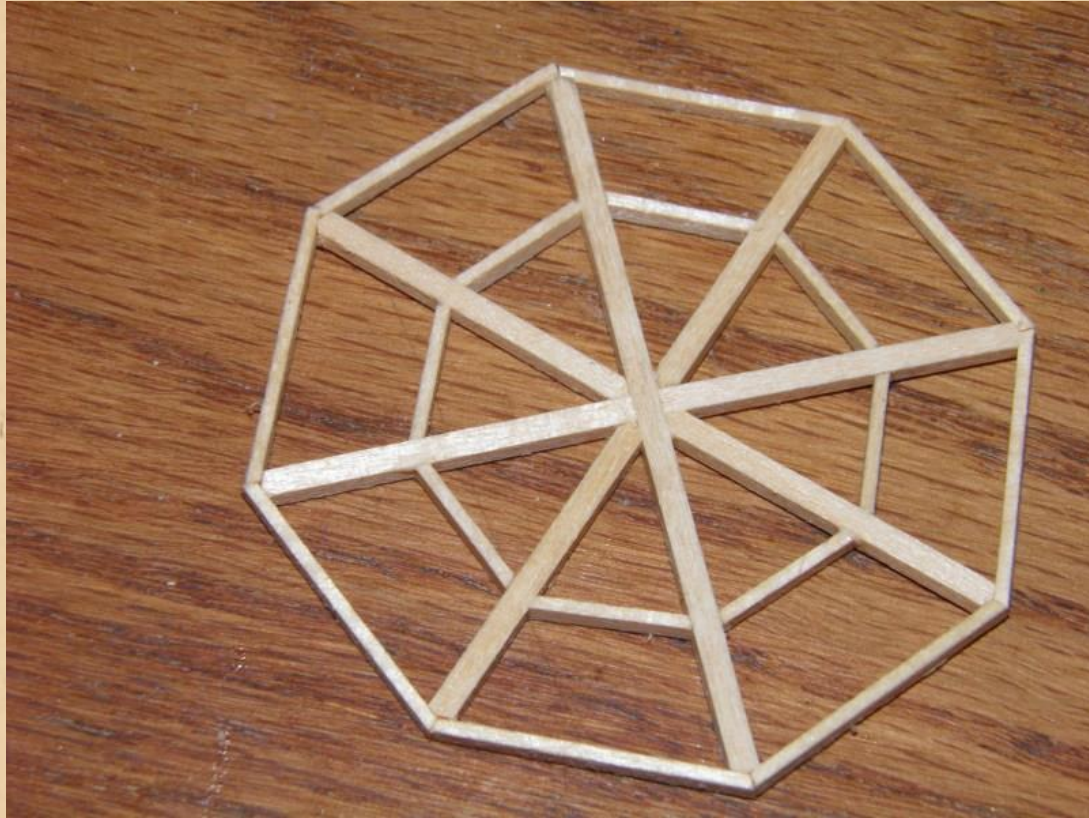
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Roof Subassembly - 4



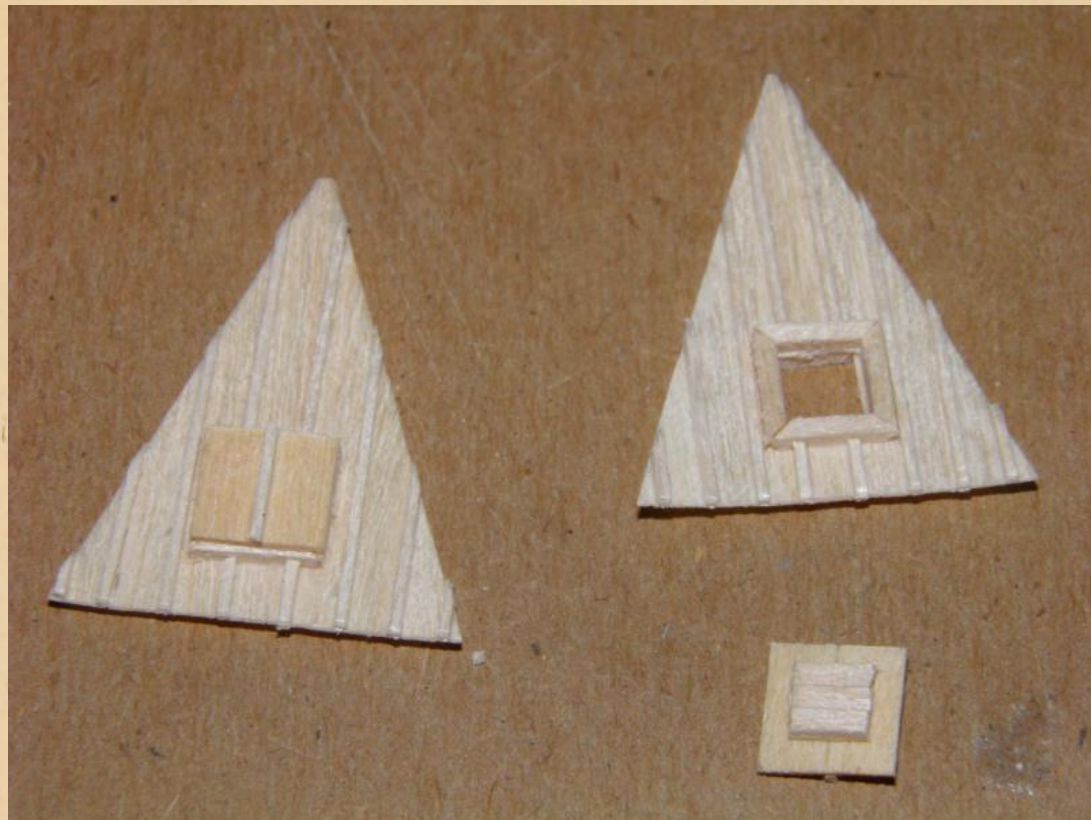
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Decking Subassembly



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Detail Parts - 1



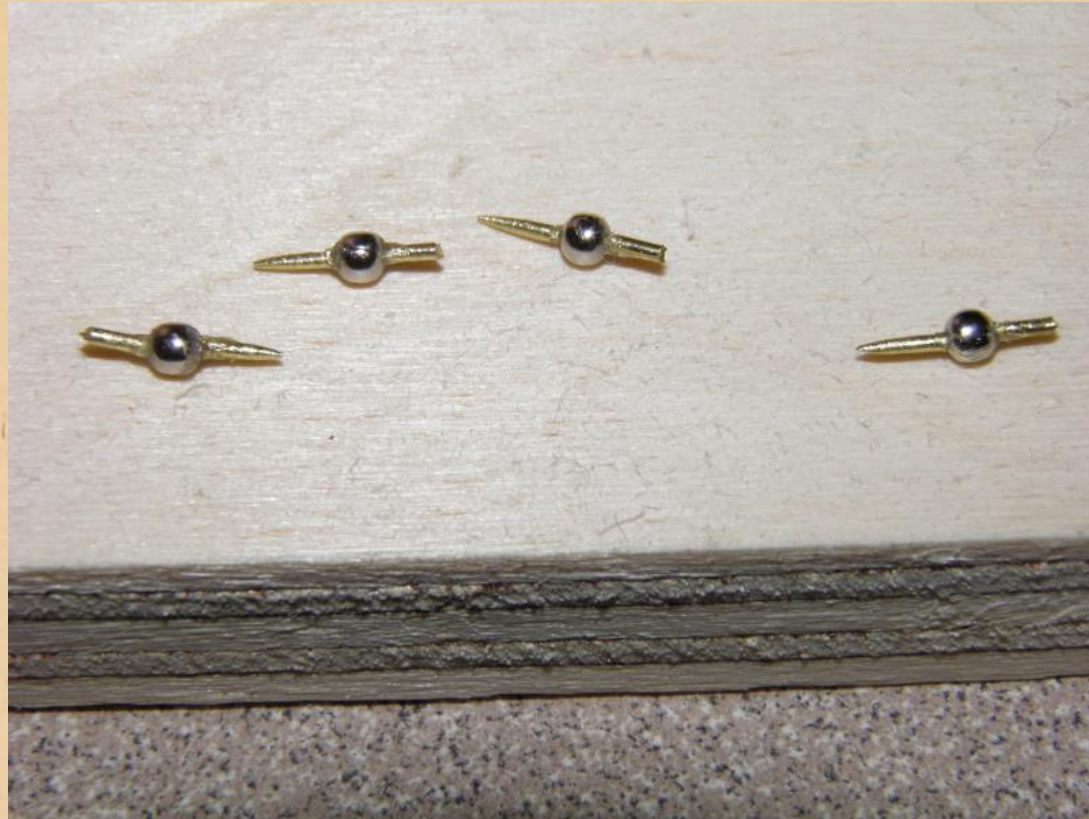
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Detail Parts - 2

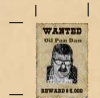


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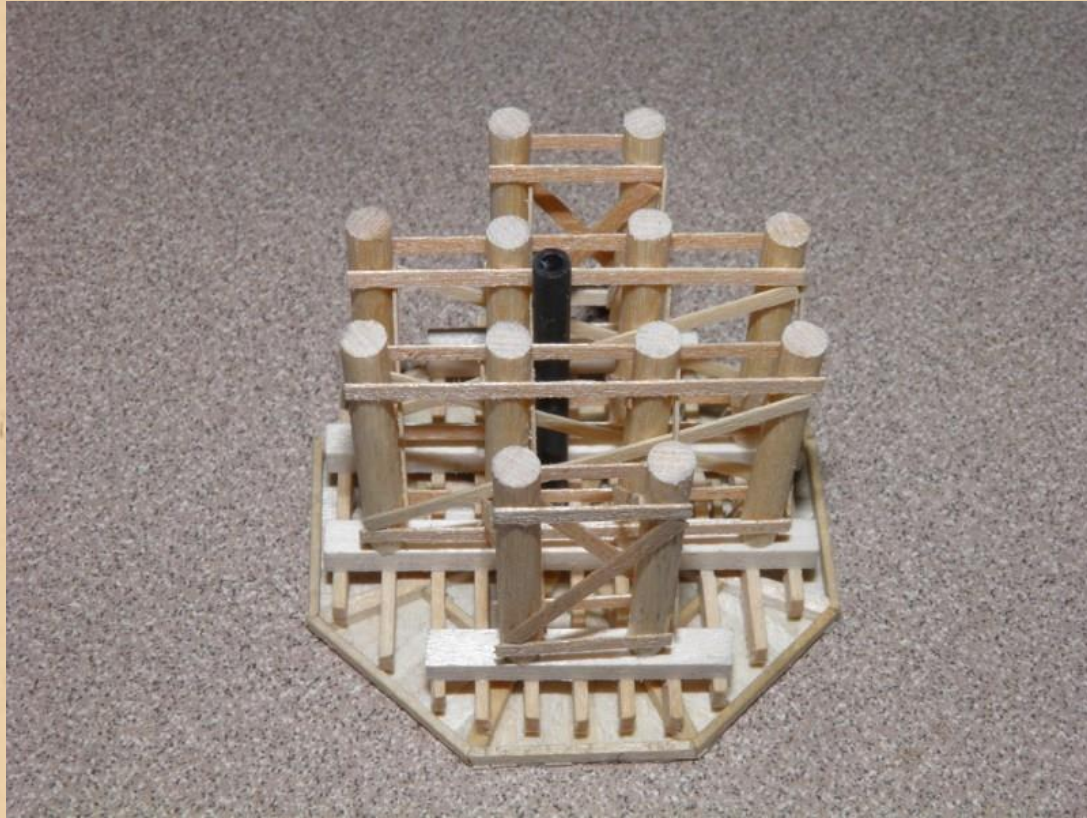
Detail Parts - 3



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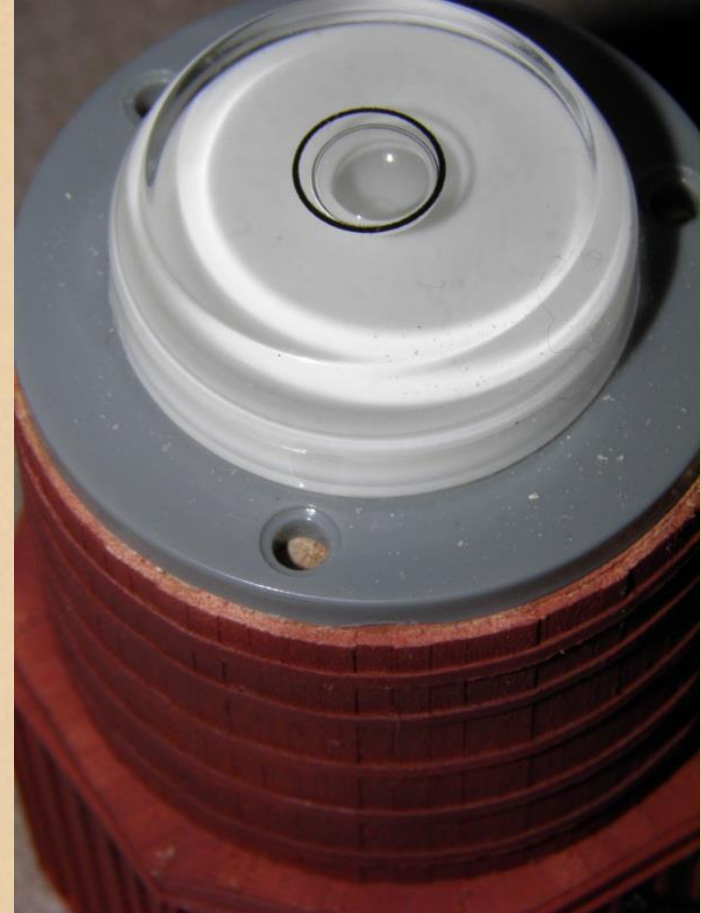


Putting it All Together - 1



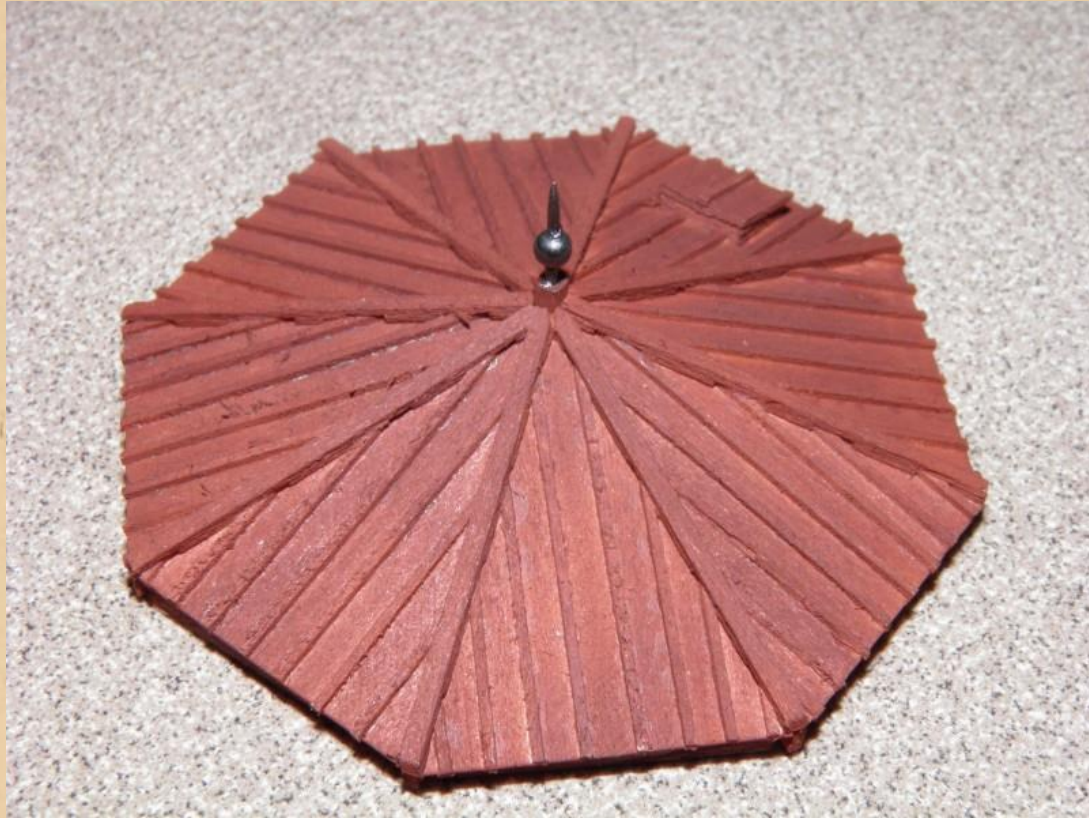
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Putting it All Together - 2



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Putting it All Together - 3



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Putting it All Together - 4



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Putting it All Together - 5



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Putting it All Together - 6



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Other Towers on the Layout



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Other Towers on the Layout

- Thanks!



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