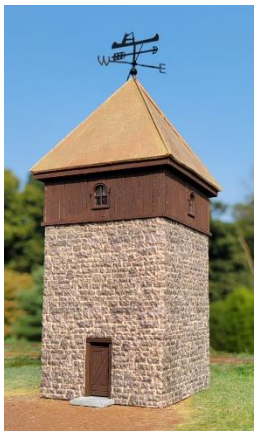
# Barleycorn's Granary



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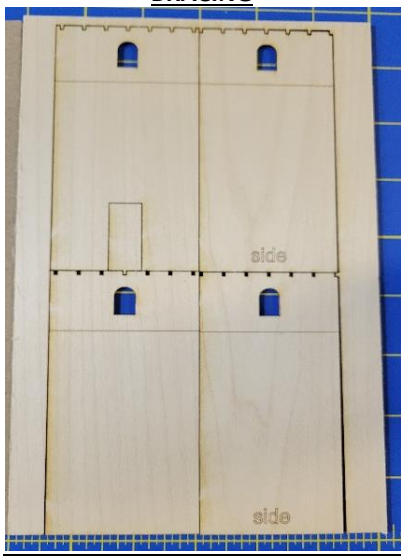
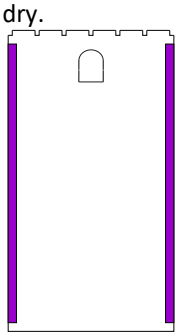
John Barleycorn's Granary is fictional. It is somewhat inspired by the toll building at the Bear Mountain Bridge in Garrison, NY. It also took inspiration from the medieval European castles. It could also easily be used as a water tower.

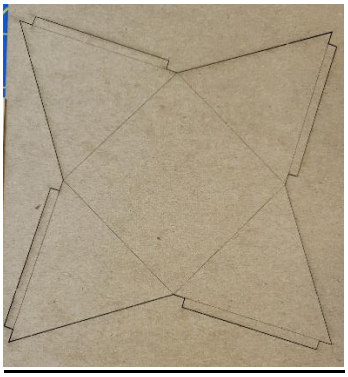
**BRACING**



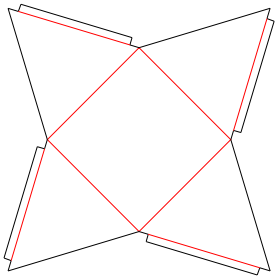

1. Begin by cutting out the four walls, top and bottom.
2. Cut four pieces of 1/8 stripwood to approximately the height of the walls, minus ¼ inch or so. (About 4 inches)
3. Turn the two walls marked **SIDES** face down. Glue the cut pieces of stripwood to the left and right sides as shown below. They stripwood must NOT contact the top and bottom, because the top and bottom pieces fit inside the walls. Set aside to dry.



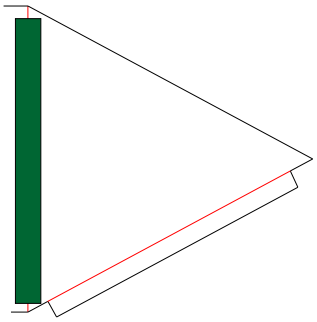
**ROOF**



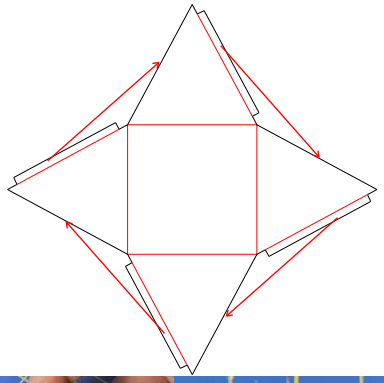
4. The pieces shown below in red all need to be gently bent. The square in the middle is the base. The side with the bend marks on the chipboard is the outside. If need be, gently use a #11 blade to further cut into the chipboard. The area to the right side of each triangle is a tab.

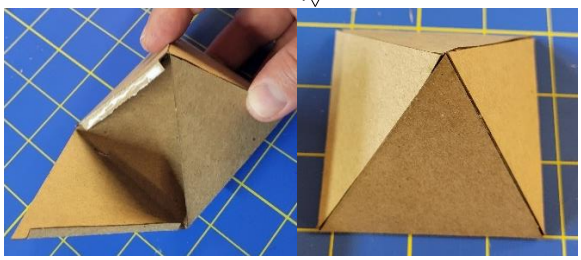


Should you cut too deep and a piece falls off, take a piece of paper, cut it to about ½ inch wide by slightly less than the length of the cut. Then, glue it to the inside of both pieces, but do not add glue to the seam. This will form something like a leather hinge.



5. Once you're satisfied with the flexibility of the roof parts, glue each tab to the next triangular-shaped roof piece. Do each one at a time, ensuring you are happy with how the seams come together. One thing you may consider is assembling the weathervane and installing it before adding the last roof piece. Set that aside for now. It will form an enclosed pyramid when you are finished.





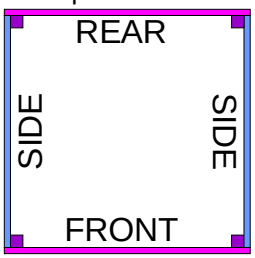
**INITIAL PAINTING**

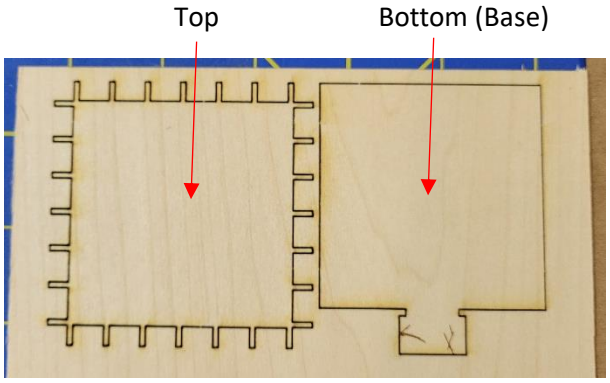
6. Prepare the following items for painting; door, windows, 1/16 stripwood, 3/32 stripwood. Keep in mind that if you are planning on painting the door/door trim a different color than the rest of the building, you will need to put them aside and paint them as you desire. Glue the acetate into the windows when dry.

7. We painted all of the items in step 6 "Espresso", a shade of dark brown. We'd recommend something lighter because the board on board isn't highlighted.

8. Paint the front door step. Let all of these parts dry.

9. Assemble the walls as shown below. Dry fitting them together. To ensure the building is square, carefully add the top and bottom pieces. Make sure the pieces with the lines approximately ¾ up are on the outside and that they line up. A rubber band helps



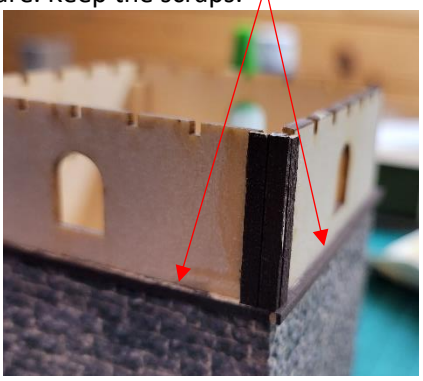




10. Once you are happy with the fit, glue the sides together, but NOT the top and bottom pieces. Leave them in place, but not glued. We ended up using a good number of clamps to ensure a proper fit. Set this piece aside and let dry thoroughly before continuing with it.

11. Going back to the roof piece. Fit, cut and glue the 1/32 x 1/32 stripwood pieces onto the corners to form the seams for the roof, should you have decided to build a metal roof. Depending on how well the corners fit, you may choose to delay cutting until after the glue is dry. If you decided to shingle it, now would be a good time to do so.

12. After the walls are dry, carefully remove the top and bottom pieces.

13. Fit, cut and glue pieces of 1/16 x 1/16 stripwood to cover up the cut lines on each wall. Ensure they form a nice square. Keep the scraps.



## INSTALLING THE ROCK WALLS

14. Take the rock paper and identify which side is up. To do this, carefully examine the rocks and notice where the shadows are. Put the shadow side down.

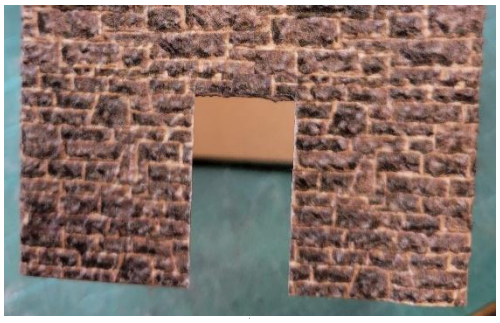
15. Using the rock paper will cause there to be a seam. Identify where you want the seam to be. There are a few ways to hide the seam. 1. Arrange the paper so it will be on a corner. 2. Arrange the paper so that the seam will be out of sight. 3. Add some scenery products in a manner so that the seam is covered by a vine, shrub or tree. For the pilot model, we chose option 2.

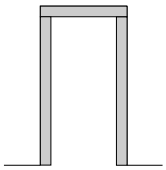
16. Working somewhat backwards from where you chose to locate the seam, glue the walls down, butting the paper against the 1/16 x 1/16 stripwood. You want it to be as straight as possible.

    We do not recommend cutting the paper before gluing it down due to the possibility that it could end up not completely covering the wall.

    We recommend doing one wall at a time. Use a lot of pressure to keep each wall flat. Place particular emphasis on the corners in order to prevent the paper from forming a slight curve at the walls.

17. When the walls are dry, cut the excess paper from the bottom and doorway.





18. Take the scrap 1/16 x 1/16 stripwood from step 13 and form the door frame as shown above. Glue the stripwood into place.

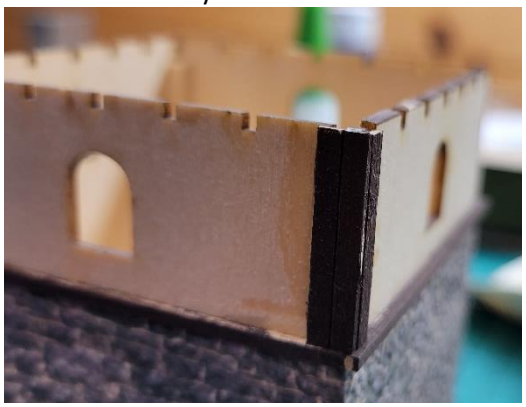
19. Glue the floor into place.

20. Glue the door into place. You may choose to position the door so there is a very small space between the bottom of the door and the floor. We did this by accident, but feel that it adds a "sign of life". If you do this, we recommend scuffing the bottom of the door with a hobby knife or sanding so the bottom isn't perfectly even. At the end, you may consider cutting scrap pieces of 1/32 x 3/32 wood to the door to make it look more three dimensional.

## BUILDING THE TOP FLOOR

21. Fit, cut and glue into place the 3/32 x 1/32 stripwood vertically, working your way around the building. We recommend covering everything on the first pass. The tops don't need to match up perfectly because they will be hidden. In fact, the roof will fit better if the stripwood is a little short on the top.

22. Go back and cut out the areas where the windows and rafters will fit. Test fit the roof piece and windows as necessary.



23. Glue the top piece into place. Be careful not to break any of the rafters. The pilot model was a little tight, so we opened up the rafters a little bit. If necessary, gently file the holes.

24. Glue the windows into place.

25. Glue the roof onto the top piece, ensuring there is plenty of pressure so that the underside of the roof does not have a bow in it.

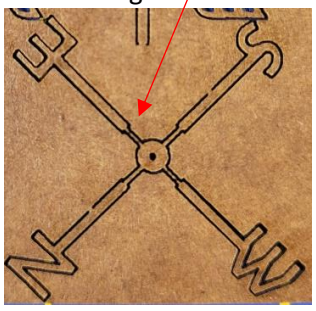
26. Measure, cut and glue into place pieces of 1/32 x 3/32 stripwood to cover the rafter tails all the way around.

27. Touch up the paint along the top floor area.

**BUILDING THE WEATHERVANE**

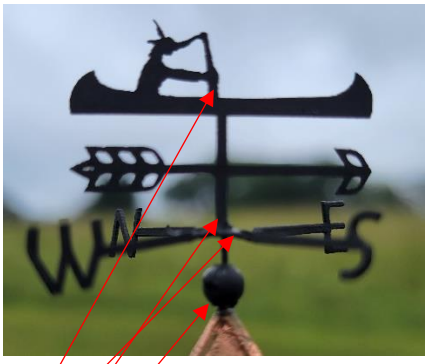
28. Cut out the piece with the directionals (compass points) on it. Carefully bend the narrow pieces 90° so that they are visible from the side when the circular part is flat and glue into place with CA. (Only one shown for clarity.) See step 30 for another photo.

    If they break, they do glue back on fairly easily, except you might need to wait until the weathervane is in place before affixing it.



29. While waiting for the directionals to dry, insert the needle through the large ball and glue it to the flat end of the needle.

30. When dry, thread the needle through center of the directionals and glue it to the vertical piece on the ornament with CA. You may choose to shrink the ornament and directional down and cut off the needle if you feel that this would be more in-scale.




31. When that is dry, glue the directional into place, ensuring everything lines up vertically and horizontally as appropriate.

32. Paint the weathervane.

**FINAL ROOF ASSEMBLY**

33. If you are utilizing the metal roof included, fit and glue into place the 1/32 x 1/32 stripwood to each corner.

    Cut the ends only after the glue has dried and you're satisfied with their placement.

    If you are adding shingles, now is the time to apply them.

34. Glue the weathervane to the top of the roof.

35. Weather as you desire.

Thank you again for purchasing this kit and please share photos of your finished project on our Facebook page.

Should there be any parts missing or if you have a question on the directions, please e-mail us and we will help with the situation.

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Many thanks to Jeff Grove, Steve Milley, Mark Schreier, Greg Cassidy and my family.