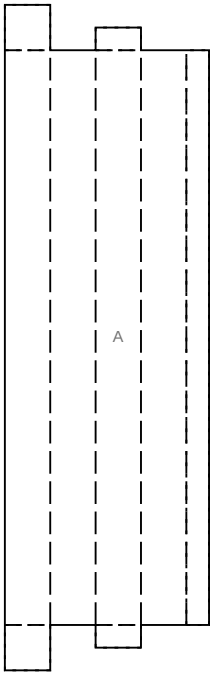
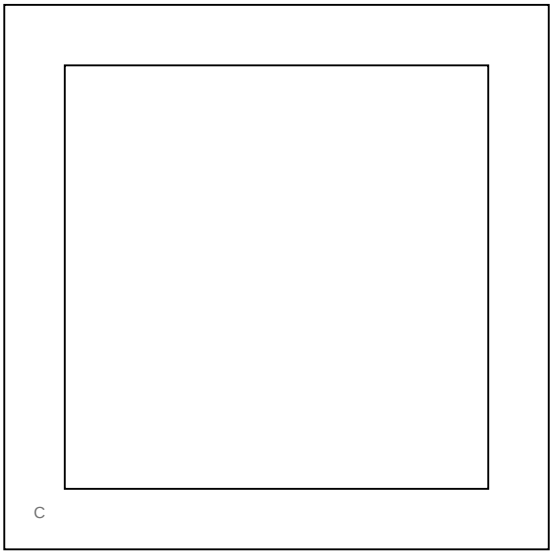
Wishing Well

wishing-well / 1.0.0 / A4 / Template page 1

A | cut 1
27.00 x 88.00 mm



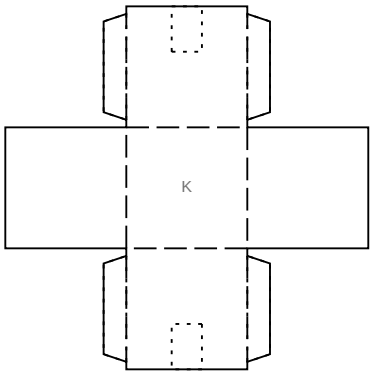
C | cut 1
72.00 x 72.00 mm



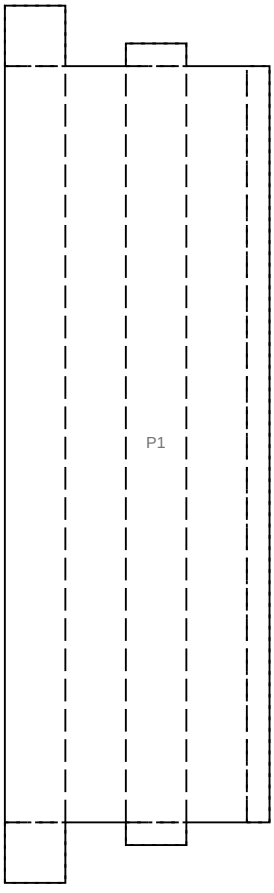
S | cut 1
4.00 x 68.14 mm



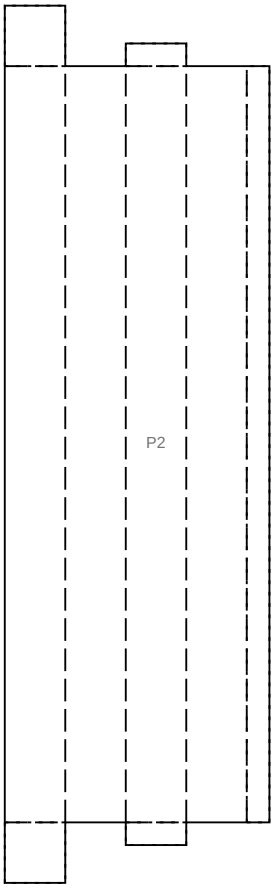
K | cut 1
48.00 x 48.00 mm



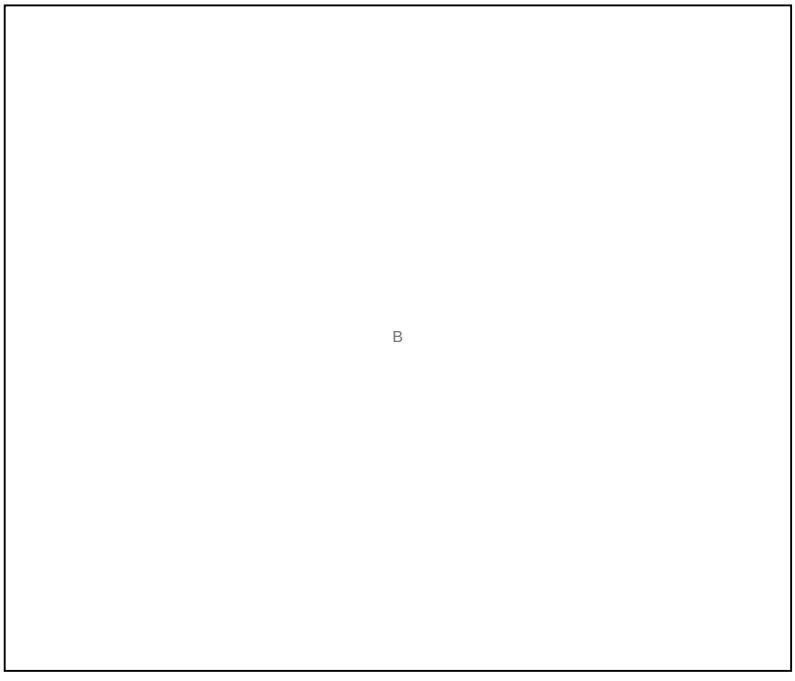
P1 | cut 1
35.00 x 116.00 mm



P2 | cut 1
35.00 x 116.00 mm



B | cut 1
104.00 x 88.00 mm



Solid: cut | Dashed: valley | Dash-dot: mountain | Dotted: glue

50 mm calibration

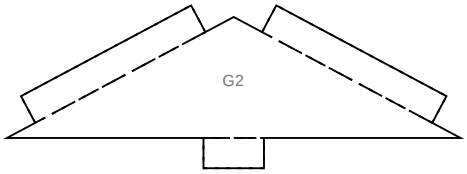
Print at 100% / Actual size. Do not fit to page. Original paper craft template.

snipfold.com/work/wishing-well

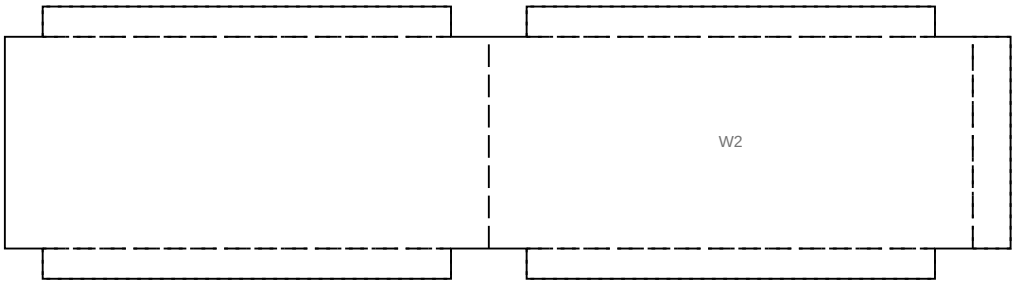
Wishing Well

wishing-well / 1.0.0 / A4 / Template page 2

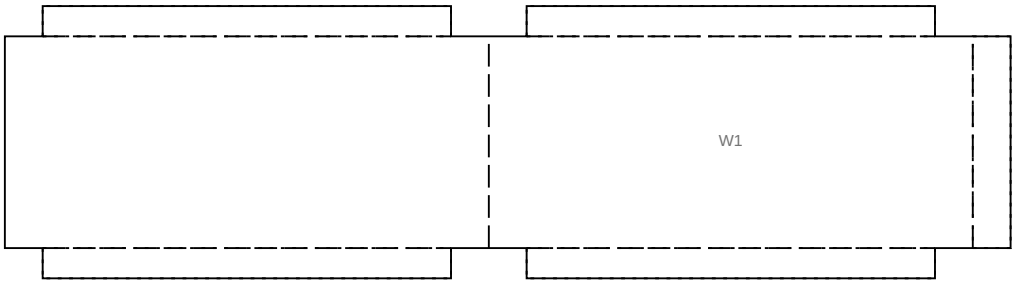
G2 | cut 1
60.00 x 21.53 mm



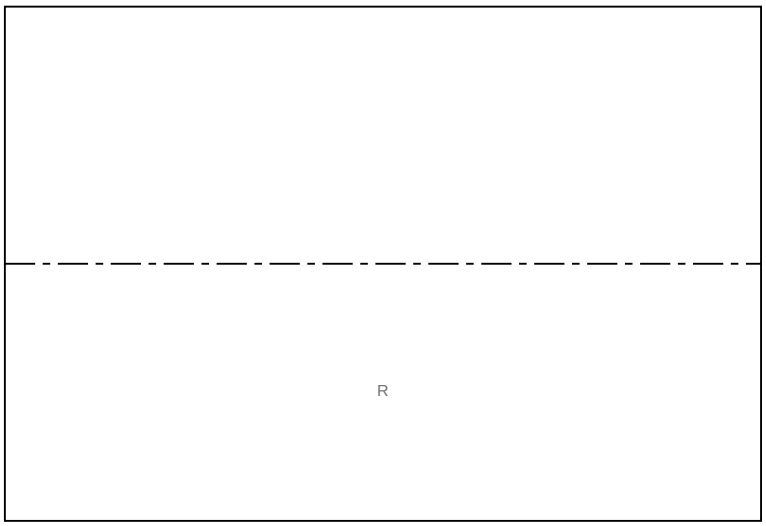
W2 | cut 1
133.00 x 36.00 mm



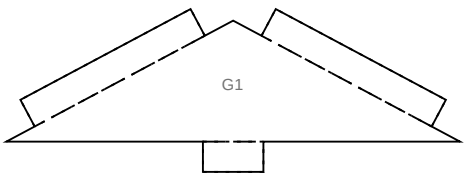
W1 | cut 1
133.00 x 36.00 mm



R | cut 1
100.00 x 68.00 mm



G1 | cut 1
60.00 x 21.53 mm



Solid: cut | Dashed: valley | Dash-dot: mountain | Dotted: glue

50 mm calibration

Print at 100% / Actual size. Do not fit to page. Original paper craft template.

Wishing Well

wishing-well / 1.0.0 / A4 / Assembly instructions

Finished size: 104 x 88 x 116 mm; well opening 56 x 56 mm; bucket 16 x 16 x 16 mm

Materials: 200-220 gsm cardstock for all 12 pieces; PVA craft glue; Scissors and craft knife; Cutting mat; Metal ruler; Blunt scoring tool; Pencil; Small square; Tweezers and small clips

Step-by-step guide with a 3D model: https://snipfold.com/work/wishing-well. Not yet test-built in paper by SnipFold: measurements come from the digital model, so check the fit as you go.

Original SnipFold construction. All 12 physical paper pieces, integral tabs, caps and suspension material appear in both the template and mesh. No string, wire, dowel or hidden support is required.

Every shaped piece is a piecewise-rigid net with exact indexed flat-to-assembled triangle correspondence. Roof slope length is exactly 34 mm (30 mm run, 16 mm rise).

Zero-thickness geometry: contact faces intentionally coincide. Card thickness, glue thickness, fold radius, sling springback, post buckling and canopy sag are not simulated. Small 3 mm lips require careful scoring and thin glue.

The well is open through its coping to the display base; it has no water, concealed inner liner or stone texture. The square bucket hangs above the opening rather than descending into it.

Dry static decoration only. Axle, sling and bucket are glued permanently; there is no winding, rotation, lifting mechanism or load rating. Do not add water, coins or other contents. Move by supporting the base.

Part inventory (cut each instance once):

B: Display base 104 x 88

W1: Well wall half 1

W2: Well wall half 2

C: Open coping ring

P1: Capped post 8 x 8 x 100

P2: Capped post 8 x 8 x 100

A: Fixed square axle 6 x 6 x 76

K: Open square bucket

S: Bucket suspension sling

G1: Canopy gable with bearing tabs

G2: Canopy gable with bearing tabs

R: One-piece pitched canopy

1. Print, cut and score [B, W1, W2, C, P1, P2, A, K, S, G1, G2, R]: Print at 100% actual size and verify the 50 mm ruler. Cut all 12 pieces, including the 56 mm square hole in C. Preserve all tabs. Score the indicated lines before folding. Use the printed face inside tubes and bucket; use it outside the canopy. Glue marks identify contact regions; apply glue to the face touching the mating piece.

2. Join the open well walls [B, W1, W2]: Keep B flat with its 104 mm dimension left-to-right. On each W fold at 64 and 128 mm by 90 degrees to form two 64 mm walls and a 5 mm end lap. Join W1 and W2 into a 64 x 64 mm square, gluing each 5 x 28 mm lap inside the next wall. Fold the four lower and four upper inset tabs inward 90 degrees. Center the square on B: walls at x and y = +/-32 mm relative to the base center; left/right margin 20 mm, front/back margin 12 mm. Glue only the lower 54 x 4 mm feet to B and dry square.

3. Seat the open coping [C, W1, W2]: Center C at height 28 mm on the upper wall tabs. Its outer edge overhangs each wall by 4 mm and its hole edge lies 4 mm inside each wall. Glue the four 54 x 4 mm tabs to the underside of C. Press through the opening and let dry without closing the central hole.

4. Assemble and mount two posts [P1, P2, B]: Fold each P into an 8 x 8 mm square tube, 100 mm tall, using 90 degree folds. Glue its 3 mm seam under the first wall. At both ends fold the opposing 3 mm lip inward, then fold the 8 mm cap onto it and glue. Glue the bottom caps to B with centers 42 mm left and right of the base center, both on the front/back centerline. Thus each post has a 6 mm gap to the nearest well wall and a 2 mm gap to C. Hold vertical with a square and dry fully.

5. Install the fixed axle [A, P1, P2]: Fold A into a 6 x 6 mm square tube 76 mm long; glue the 3 mm seam, fold both backing lips inward and close the two 6 mm caps onto them. Orient the axle horizontally between post inner faces, centered front-to-back, with its bottom 72 mm and top 78 mm above B. Glue the whole 6 x 6 mm end caps onto the post faces, 1 mm in from their front/back edges. Hold level until set. This is a fixed glued axle, not a spindle.

6. Form the open bucket [K]: Fold all four 16 mm walls up 90 degrees around the 16 mm square floor. Fold the four clipped 3 mm corner tabs inward 90 degrees and glue them inside the adjacent untabbed walls. Keep the square rim open and level. The two centered 4 x 6 mm patches at the rim are the sling attachment areas. Let the corner seams cure before suspension.

7. Suspend the bucket with the paper sling [S, K, A]: S is 4 x 68.142 mm. Its successive panels measure 6, 7.071, 18, 6, 18, 7.071 and 6 mm. Shape it as an inverted U: central 6 mm panel horizontal over A, two 18 mm legs straight down, two 7.071 mm shoulders angled outward 45 degrees, and the terminal 6 mm tabs vertical downward. The four shoulder folds turn 45 degrees and the two axle folds turn 90 degrees. Glue the central 4 x 6 mm panel to the middle of the axle top. Glue each terminal tab to the OUTSIDE of an opposite marked bucket wall, centered 8 mm from its corners, with the shoulder/tab crease exactly on the rim. Glue is on the reverse of the bucket patch if marks face inside. The rim should be 55 mm above B, floor 39 mm, and bucket centered over the well. Support by hand until cured; the sling is paper, not cord.

8. Mount canopy gables [G1, G2, P1, P2]: Fold each G central 8 x 4 mm foot inward 90 degrees, toward the opposite post, and its two 4 mm sloping flanges inward 90 degrees. Keep the triangular face vertical across the front/back direction. Glue each foot onto the inner half of its post cap: gable planes pass through post centers at x = +/-42 mm, feet extend to x = +/-38 mm. The 60 mm gable base is horizontal at height 100 mm, apex at 116 mm. Check both gables parallel and dry before adding R.

9. Attach the pitched canopy [R, G1, G2]: Mountain-fold R along its centerline, 34 mm from each 100 mm edge, turning 56.145 degrees from flat (inside roof angle 123.855 degrees). Each panel slopes 28.072 degrees above horizontal. Center R over the gables with its ridge along the axle direction. The ends overhang each gable by 8 mm, and eaves align with the 60 mm gable base endpoints. Glue the underside to all four 25.5 x 4 mm sloping flanges. Support the ridge while drying; keep glue off the bucket sling.

10. Check the dry display [B, W1, W2, C, P1, P2, A, K, S, G1, G2, R]: Check both post bases, both axle ends, four roof flanges, sling ends and well laps are bonded. The coping opening stays clear; the empty bucket floor hangs 11 mm above the coping. Allow full glue cure per its label. Keep flat and dry, do not turn the axle or load the bucket, and lift only under B.