QUILT VARIATIONS: Snow Crystals and Broken Star (Carpenter’s Wheel)

Tools & Equipment:
• Large Fussy Cutter 45-degree Diamond ruler (6½” x 6½”)
• Square acrylic ruler at least 9” x 9”
• 6” x 24” acrylic ruler
• Rotary cutter and cutting mat
• Sewing machine, bobbins, thread
• Quarter-inch presser foot
• Extra-fine sewing pins
• Thread snips, seam ripper
• Pencil (or chalk pencil) and sharpener
• Iron, ironing pad
• Spray starch or fabric finish
• 1 yard paper-backed fusible web (optional)
• Fabric (see chart at right below)

Quilt Construction:
1. Lightly spray starch and press fabrics to give them more body and stability.
   **TIP:** Batik fabrics usually have sufficient body to allow you to skip this step.
2. Use large Fussy Cutter 45-degree Diamond ruler and rotary cutter to cut a total of eight diamonds for the center star. Cut all eight diamonds from the same fabric OR cut four diamonds each from two different fabrics (A & B).
3. Assemble components into units as shown in appropriate construction diagram below. Make four of each unit.
4. Sew units together as shown to complete the design.
5. Add borders as needed to make quilt desired finished size.

For retail or wholesale orders, contact Jan P. Krentz: P.O. Box 686, Poway, CA 92074 • www.JanKrentz.com • email: jan@JanKrentz.com

Graphic design and illustrations by Wendy Mathson

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5. Set your sewing machine to sew a scant quarter-inch seam allowance. This is one thread narrower than ¼”.

**NOTE:** An accurate seam allowance is essential for the star pieces to fit together properly.

6. Use ruler to measure and mark an accurate ¼” seam allowance on corners of diamonds, background squares and triangles. Mark lightly on back of each piece.

7. Arrange pieces according to diagram below. Pin and sew Y seams (1, 2 & 3) in numerical order, sewing between ¼” marks. Repeat to make four identical “baby blocks” units.

**TIP:** Put pins through ¼” marks to align pieces. Backstitch at beginning and end of each seam, stopping at the ¼” marks.

8. Pin and sew seam 4 to add one triangle to each baby block unit.

9. Pin and sew seam 5 between two units. Pin and sew seam 6 to complete one star half. Repeat seams 5 and 6 to make other half.

10. Pin and sew seam 7, first at one end, then the other end.

11. Pin and baste seam 8, which closes the center of the star. Check for alignment. Sew center seam, completing the star.

12. Press seams systematically in the same direction on the wrong side, so the center seam allowances form a pinwheel at the center. Press all seams on the outer units toward the outer edges.

13. Sew four strip sets for the borders in the following order: Border D (2½” wide) + Border E (1½” wide) + Border F (3½” wide)

14. Press the seams on two strip sets toward the 2½” strip. Press the seams on two strip sets toward the 3½” strip.

15. Measure the width of the quilt in both directions. Divide the measurement by two. Record the half-width measurement on paper. Fold quilt in half and mark the center of each side with a pin.

16. Fold each border strip set in half and mark the center with a pin in the 2½” strip. Measure (using the half-width measurement from step 15) from the center pin to each end and make a mark on the back of each strip set.

18. Sew borders to quilt, stopping ¼” from each end and backstitching. Borders overlap at corners.

19. Fold the quilt top diagonally; position adjacent border strips right sides together at the corner. Opposing pressed seam allowances will allow the seams to nestle together at each corner.

20. Lay the Fussy Cutter 45-degree Diamond ruler on borders at each corner. Mark angle from the ¼” backstitching to outer edge of border as shown.

21. Pin along marked angled seam. Sew each corner seam, backstitching at both ends. Trim excess border at least ¼” away from seam. Press the quilt top.

**Optional Embellishment:**
Press paper-backed fusible web to wrong side of a decorative fabric G. Cut out various motifs from fabric. Arrange on quilt top in an open pattern. Fuse in place; appliqué edges with straight, button-hole, or satin stitching to secure motifs to the quilt.

**Finishing:**
Layer the quilt top with batting and backing. Baste the three layers together, and quilt by hand or machine. Bind the quilt.
5. Set your sewing machine to sew a scant quarter-inch seam allowance. This is one thread narrower than \( \frac{1}{4} \)".

**NOTE:** An accurate seam allowance is essential for the star pieces to fit together properly.

6. Use ruler to measure and mark an **accurate** \( \frac{1}{4} \)" seam allowance on corners of diamonds, background squares and triangles. Mark lightly on back of each piece.

7. Arrange pieces according to diagram below. Pin and sew Y seams (1, 2 & 3) in numerical order, sewing between \( \frac{1}{4} \)" marks. Repeat to make four identical "baby blocks" units.

**TIP:** Put pins through \( \frac{1}{4} \)" marks to align pieces. Backstitch at beginning and end of each seam, stopping at the \( \frac{1}{4} \)" marks.

8. Pin and sew seam 4 to add one triangle to each baby block unit.

9. Pin and sew seam 5 between two units. Pin and sew seam 6 to complete one star half. Repeat seams 5 and 6 to make other half.

10. Pin and sew seam 7, first at one end, then the other end.

11. Pin and **baste** seam 8, which closes the center of the star. Check for alignment. Sew center seam, completing the star.

12. Press seams systematically in the same direction on the wrong side, so the center seam allowances form a pinwheel at the center. Press all seams on the outer units toward the outer edges.

13. Sew four strip sets for the borders in the following order: Border D (2½" wide) + Border E (1½" wide) + Border F (3½" wide)

14. Press the seams on two strip sets toward the 2½" strip. Press the seams on two strip sets toward the 3½" strip.

15. Measure the width of the quilt in both directions. Divide the measurement by two. Record the half-width measurement on paper. Fold quilt in half and mark the center of each side with a pin.

16. Fold each border strip set in half and mark the center with a pin in the 2½" strip. Measure (using the half-width measurement from step 15) from the center pin to each end and make a mark on the back of each strip set.

17. Pin borders to quilt, matching ends and centers so pressed seams on top and bottom go toward the wider strip and seams on the two sides go toward the narrower strip.

**TIP:** Pin securely with pins spaced about 3" apart.

18. Sew borders to quilt, stopping \( \frac{1}{4} \)" from each end and backstitching. Borders overlap at corners.

19. Fold the quilt top diagonally; position adjacent border strips right sides together at the corner. Opposing pressed seam allowances will allow the seams to nestle together at each corner.

20. Lay the Fussy Cutter 45-degree Diamond ruler on borders at each corner. Mark angle from the \( \frac{1}{4} \)" backstitching to outer edge of border as shown.

21. Pin along marked angled seam. Sew each corner seam, backstitching at both ends. Trim excess border at least \( \frac{1}{4} \)" away from seam. Press the quilt top.

**Optional Embellishment:**
Press paper-backed fusible web to wrong side of a decorative fabric G. Cut out various motifs from fabric. Arrange on quilt top in an open pattern. Fuse in place; appliqué edges with straight, button-hole, or satin stitching to secure motifs to the quilt.

**Finishing:**
Layer the quilt top with batting and backing. Baste the three layers together, and quilt by hand or machine. Bind the quilt.
**Tools & Equipment:**
- Large Fussy Cutter 45-degree Diamond ruler (6½” x 6½”)
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- 6” x 24” acrylic ruler
- Rotary cutter and cutting mat
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- Quarter-inch presser foot
- Extra-fine sewing pins
- Thread snips, seam ripper
- Pencil (or chalk pencil) and sharpener
- Iron, ironing pad
- Spray starch or fabric finish
- 1 yard paper-backed fusible web (optional)
- Fabric (see chart at right below)

**Quilt Construction:**
1. Lightly spray starch and press fabrics to give them more body and stability.  
   **TIP:** Batik fabrics usually have sufficient body to allow you to skip this step.
2. Use large Fussy Cutter 45-degree Diamond ruler and rotary cutter to cut a total of eight diamonds for the center star. Cut all eight diamonds from the same fabric OR cut four diamonds each from two different fabrics (A & B).
3. Use large square ruler to cut four 9” x 9” squares from Background C.
4. Cut a 6½”-wide strip (selvage to selvage) from Background C. Use large square ruler to cut four right triangles from strip, with the longest side of each triangle on straight of grain.

**FABRIC YARDAGE CUTTING INSTRUCTIONS**

<table>
<thead>
<tr>
<th>FABRIC</th>
<th>YARDAGE</th>
<th>CUTTING INSTRUCTIONS</th>
</tr>
</thead>
<tbody>
<tr>
<td>Diamonds A *</td>
<td>1½ to 2 yards</td>
<td>16 large diamonds</td>
</tr>
<tr>
<td>Diamonds B *</td>
<td>1½ to 2 yards</td>
<td>16 large diamonds</td>
</tr>
<tr>
<td>Background C</td>
<td>1⅓ yards</td>
<td>20 squares 9” x 9” 2 strips 6½” wide</td>
</tr>
</tbody>
</table>

* Yardage requirements vary depending upon the direction the diamonds are cut on the fabric. More yardage is required to “fussy cut” a design motif so the design appears in the same position in each diamond.

Additional fabric needed for borders, backing and binding. Yardage will vary depending on number and size of borders and resulting size of quilt.

**QUILT VARIATIONS:**
Snow Crystals and Broken Star (Carpenter’s Wheel)

Note: Designs finish approximately 58” square without borders.

1. Follow directions for LeMoyne Star, except cut a total of 32 large diamonds, 20 background squares and 8 background triangles. (Cut all 32 diamonds from the same fabric OR cut 16 diamonds each from two different fabrics, A & B.)
2. Assemble components into units as shown in appropriate construction diagram below. Make four of each unit.
3. Sew units together as shown to complete the design.
4. Add borders as needed to make quilt desired finished size.

**Make this classic LeMoyne Star Quilt in no time using Jan Krentz’s Large Fussy Cutter 45-degree Diamond ruler!**

**Tools & Equipment:**
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<tr>
<td>Diamonds A*</td>
<td>1½ to 2 yards</td>
<td>4 large diamonds (step 2)</td>
</tr>
<tr>
<td>Diamonds B*</td>
<td>1½ to 2 yards</td>
<td>4 large diamonds (step 2)</td>
</tr>
<tr>
<td>Background C (surrounds the star)</td>
<td>½ yard</td>
<td>4 squares 9” x 9” (step 3) 1 strip 6½” wide (step 4)</td>
</tr>
<tr>
<td>Border D (surrounds central medallion)</td>
<td>⅛ yard</td>
<td>4 strips 2½” wide (step 3)</td>
</tr>
<tr>
<td>Border E (contrasting color)</td>
<td>¼ yard</td>
<td>4 strips 1½” wide (step 3)</td>
</tr>
<tr>
<td>Border F (contrasting color)</td>
<td>½ yard</td>
<td>4 strips 3½” wide (step 3)</td>
</tr>
<tr>
<td>Print G (optional embellishment)</td>
<td>½ to 1 yard</td>
<td>cut out motifs to appliqué</td>
</tr>
<tr>
<td>Batting</td>
<td>42” x 42”</td>
<td></td>
</tr>
<tr>
<td>Backing</td>
<td>1½ yards</td>
<td></td>
</tr>
<tr>
<td>Binding</td>
<td>½ yard</td>
<td></td>
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