Flying Tangled Triangles Flag/ Wallhanging

By: Valora Hammond

Do you have problems making perfect points when you piece? Embroidery Piecing helps you get perfect points all the time. This method is the easiest way to do “paper piecing” in the hoop. It is so quick and easy to do the sew-and-flip method with precision. This red, white and blue flag/wall hanging will bring the summer home feeling to your front porch.

Skill level - Intermediate

Janome Products Required:

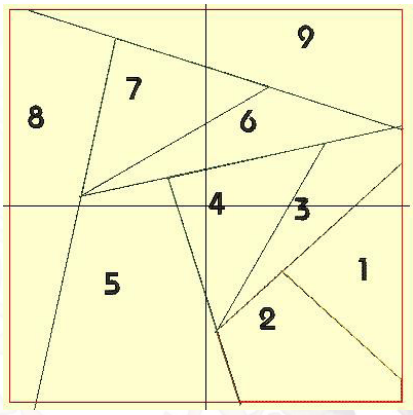
- Memory Craft 15000
- SQ23 Hoop
- SQ14 Hoop/GR Hoop
- AcuFeed Stitch-In-The-Ditch
  - 1/4” Foot
  - Open Toe Foot
- Edge Stitch Foot
- Jenny Haskins Sheer Magic Plus - Cut Away Stabilizer
- Janome Pre-Wound Bobbins
- Red Tip Needle
- Artistic Metallic Thread - Gold
- Janome Embroidery Thread

Fabric and Notions:

- Fat quarter of red and blue fabric - 2” strips
- 1/2 yard of white fabric (cut into 4” and 3” widths for the sew and flip process)
- 2/3 yard of fabric for backing

**Optional* - 1.5 yard of ribbon

Placement Pattern for Digitizing:



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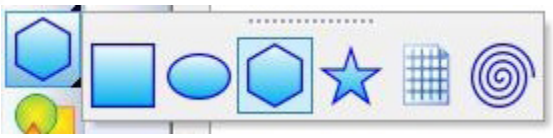
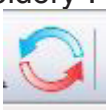
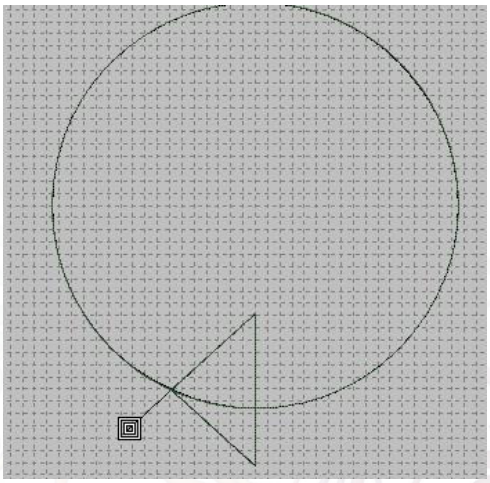
Digitizing:

1. Open “Easy Design” and select SQ23 Hoop.
2. Switch to Graphic mode.
3. Go to Shapes>left click and hold>select Eclipse.

4. Left click to activate the tool. Left click again and draw a circle.
5. Select the circle and change size to 13.25” x 13.25”.
6. Select the circle and convert selected graphic to “Embroidery”.
7. Center the circle. or hit enter.
8. Switch to Graphic mode.
9. Select polygon (3 sides) and draw triangle. Resize to 5” wide and 2.75” high.



10. Select triangle and convert selected graphic to “Embroidery”.
11. Rotate  by left clicking twice.
12. Place it on the vertical center line with the tip of the triangle on the circle.
13. Draw a line that is 5.8” long. Place along the upper left following the angle of the side of the triangle by getting hollow corners and then moving the rotated point to top of the triangle.



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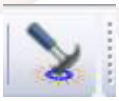
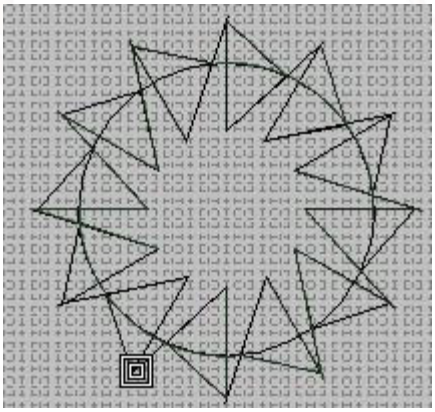
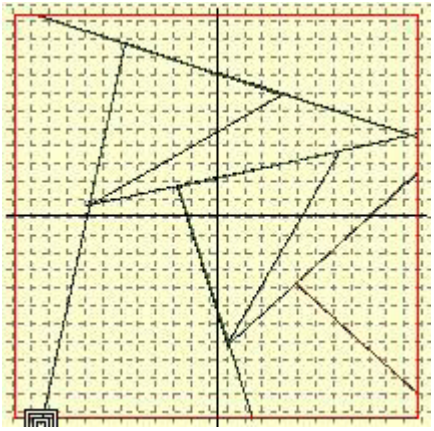
14. Select “Triangle” and “Break Apart”. 

15. Select the triangle and the angle line and then Edit>Group.
16. Copy to circle and enter 12> apply or enter.



17. Delete the circle and all but three of the triangles.
18. Group and move to the upper right of the hoop.



19. Draw a rectangle, resize to 9” x 9”.
20. Select rectangle, outline and offsets, single run line and blue.
21. Select the filled block of stitches.
22. Auto Center.
23. Draw guide lines off of the sides of the triangles out to the edge of the hoop.

**Note* - Placement lines will be green, seams will be yellow and the stitch down after flipping will be red.

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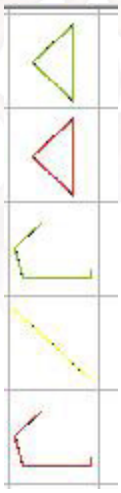
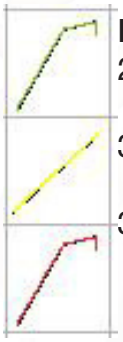
Piece 1:

24. Select the first triangle, Ctrl + D to duplicate and turn it to red. Resequence and place it right after the green triangle.

Piece 2:

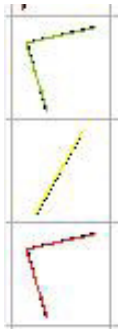
25. Select green, draw a placement line from the tip of the first triangle to the bottom point of the second triangle and then follow the angled line down to the edge of the hoop.
26. Move it after the red triangle.
27. Draw the stitch line, yellow along the edge of the triangle. Move it after the green placement line.
28. Select the placement line (Ctrl + D), turn to red and move it up after the yellow stitch down line.





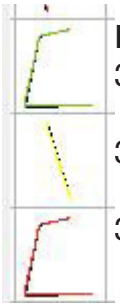
Piece 3:

29. Select green and draw the placement line for piece 3.
30. Select the guideline that ran along that edge of the triangle and turn it to yellow.
31. Select the placement line and Ctrl + D. Change to red, resequence it after the yellow .



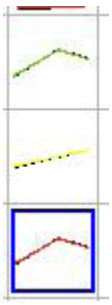
Piece 4:

32. Draw a green line around two sides of piece 4.
33. Draw a yellow line along the base of the triangle.
34. Select the green line, Ctrl + D. Change to red and resequence.



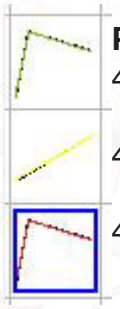
Piece 5:

35. Green: Draw a placement line around piece 5 and resequence.
36. Select the guideline that was drawn. Change to yellow and resequence.
37. Select the placement line and Ctrl + D. Change to red and resequence.



Piece 6:

38. Green, placement line and resequence.
39. Select the guildline, yellow and resequence.
40. Select the placement line and Ctrl +D. Change to red and resequence.



Piece 7:

41. Green: Draw a placement line around the two sides of the triangle and resequence.
42. Yellow: Draw a stitch line along the base of the triangle.
43. Select placement line and Ctrl + D. Change to red and resequence.

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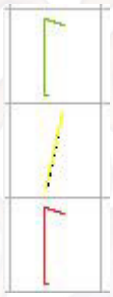
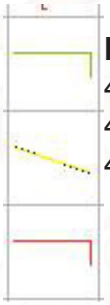
Piece 8:



44. Green: Draw a placement line and resequence.
45. Select the guide line, change it to yellow and resequence.
46. Select the Placement line and Ctrl + D. Change to red and resequence.

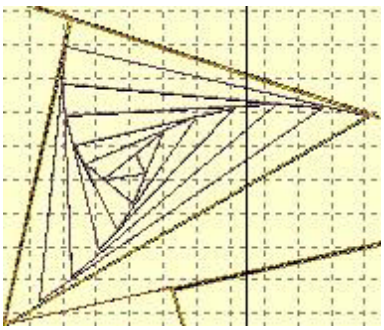


Piece 9:

47. Green: Draw placement line and resequence.
48. Select guideline, change to yellow and resequence.
49. Select placement line and Ctrl + D. Change to red and resequence.

Tangled Triangles:

50. Select Purple and draw a line from one edge to the other. Left click> starting narrow and end wide. Continue around a few times.
51. Select the stitches>"Object Details"
52. Triple run line> "Stitch Length" .15
53. Copy and place into each triangle, adjust rotation as needed.

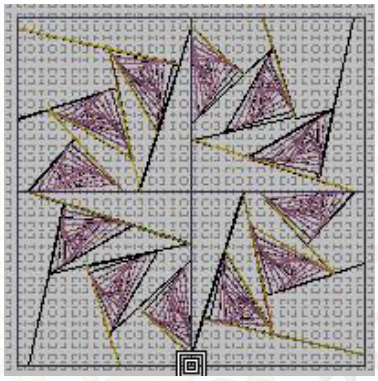


Finish Editing:

54. Delete any colors other than the green, yellow, red, purple and blue.
55. Move the blue to the end of the stitch out.
56. Make sure all of the objects are inside the hoop.

To Determine Size of Each Row:

57. Place this design into the lower quadrant of the hoop.
58. Copy to Circle > 4>Enter



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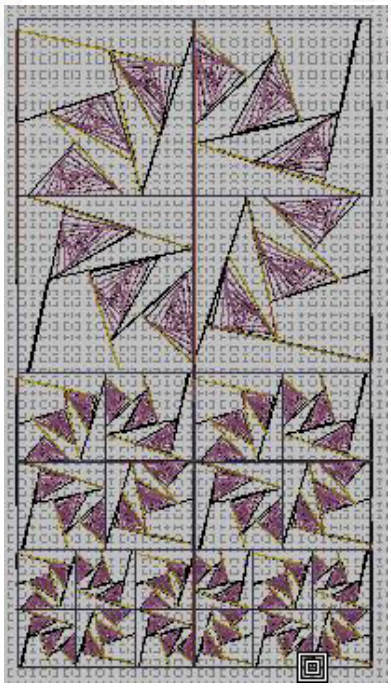
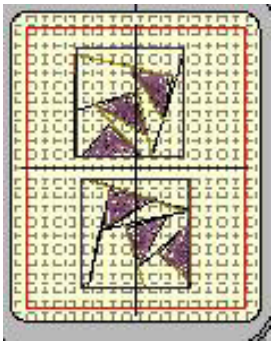
59. Select all>Edit>Group.
60. Place two side by side.
61. Resize so it is the same width as the large one.
62. Duplicate and add another circle so there is three.
63. Resize it so the three are the same width as the large one.



64. Once size is determined, delete all but one quadrant of each size.

Stitching:

65. One quadrant of the large per SQ23 hoop.
66. Two quadrants of the medium in the Gr Hoop.



67. All four small quadrants will fit into the SQ23 hoop.
68. Stitch 4 quadrants of the large size, stitch 8 quadrants of the medium and 16 of the small.

Creating the Flag:

69. Sew all of the blocks together to make larger designs.
70. Sew the blocks of same size together.
71. Sew the medium to the large and the small to the medium.
72. Cut the backing 1 ½” larger than the width and 2” longer then the top.

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Optional Casing for Flagpole:

73. Create a casing for the flagpole using size according to pole size or cut a strip of fabric two inches shorter than the width of the front and 5 inches wide.
74. Fold in half lengthwise with right sides together and sew up the short ends and across, leaving an opening to turn.
75. Turn right side out and press.
76. Place the casing 2.5” below the top cut edge on the lining.
77. Top stitch the sleeve down to the lining, leaving the ends opens.

Backing:

78. Find the center length backing and top.
79. Match centers lengthwise. There will be 1.5” on the top and bottom and there will be excess backing.
80. Sew the back to the top along the sides using ¼” seam.
81. Turn right sides out. The excess backing will wrap toward the front, making a pseudo binding.
82. Stitch in the ditch and along the binding.
83. Quilt if desired.
84. Double fold the top and bottom excess to create the same width of pseudo binding.
85. Using the Blind Hem Applique stitch, stitch the top and bottom closed. Cut ribbon into thirds and attach it at the top if desired.

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