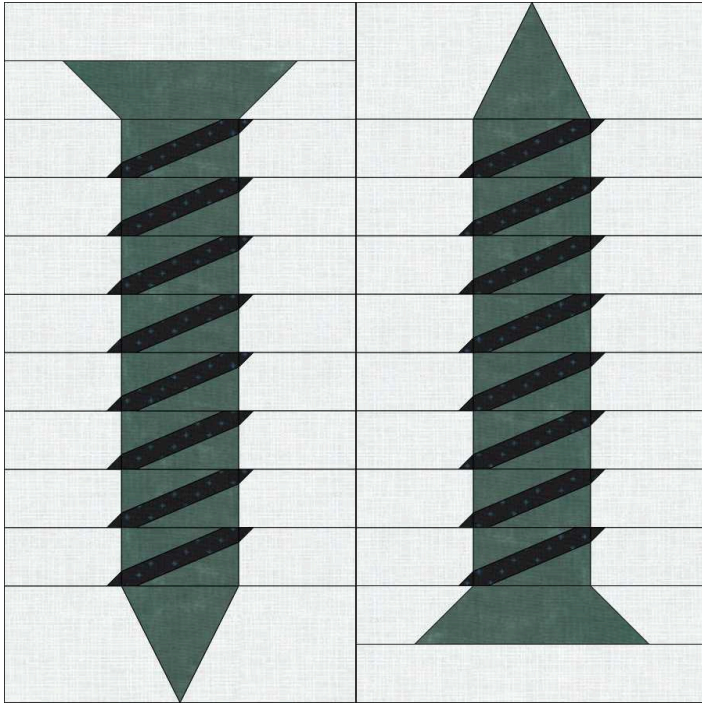


SQG BOM BLOCK #5 AUGUST: **Screw City**

Due to its extensive history of manufacturing screws, fasteners, and fastenings one of Rockford's nicknames is Screw City!. So yes, you guessed it. We are making a couple of loose screws for our next quilt block! We will make two screws (each $6\frac{1}{2}" \times 12\frac{1}{2}"$ blocks which will be pieced together to form a $12\frac{1}{2}"$ block.



You will need three colors:

1. Background
2. Screw color
3. Darker shade of screw color for the threads

Cutting directions for **one** $6\frac{1}{2}" \times 12\frac{1}{2}"$ block:

From your background fabric:

1. (cut 1) $1\frac{1}{2}" \times 6\frac{1}{2}"$
2. (cut 18) $1\frac{1}{2}" \times 2\frac{1}{2}"$
3. (cut 2) $2\frac{1}{2}"$ by $4\frac{1}{2}"$

From Screw fabric

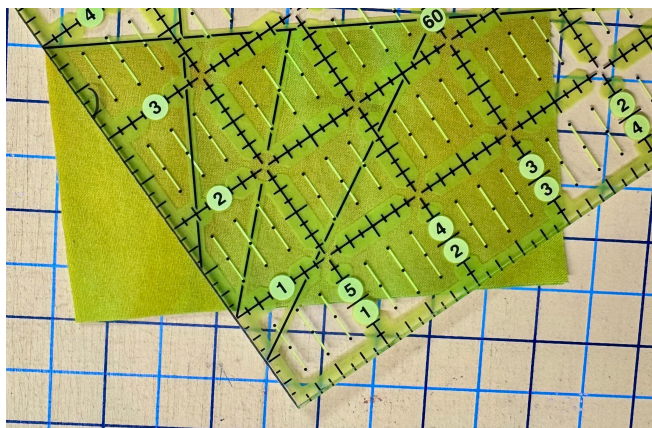
1. (cut 9) $1\frac{1}{2}" \times 2\frac{1}{2}"$
2. (cut 2) $1\frac{1}{2}" \times 1\frac{1}{2}"$
3. (cut 1) $2\frac{1}{2}" \times 4"$

From dark Screw Fabric (the screw threads)

1. (cut 8) $1" \times 3\frac{1}{2}"$
2. (cut 16) $1" \times 1"$

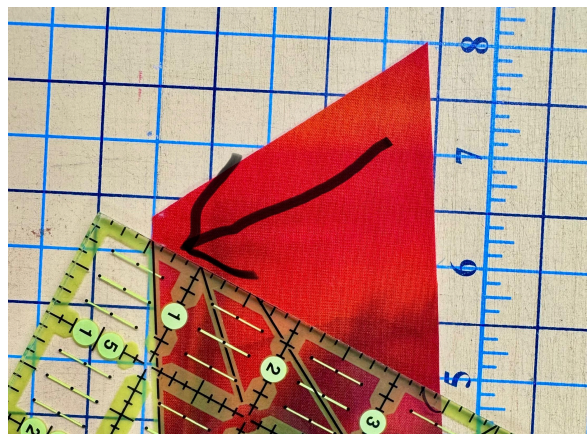


Cutting the pieces for the point of the screw:

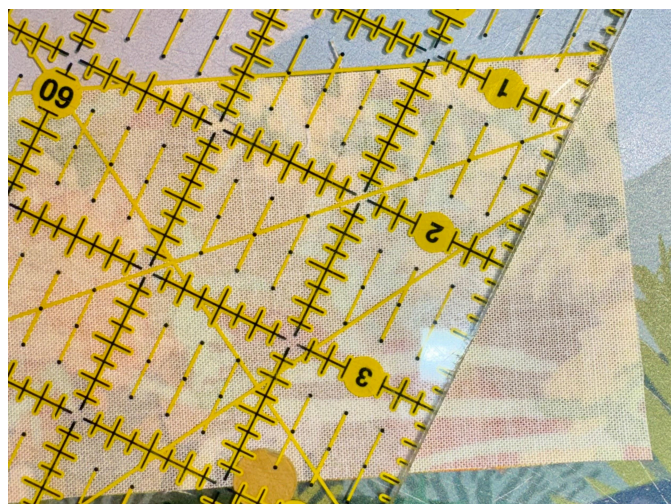
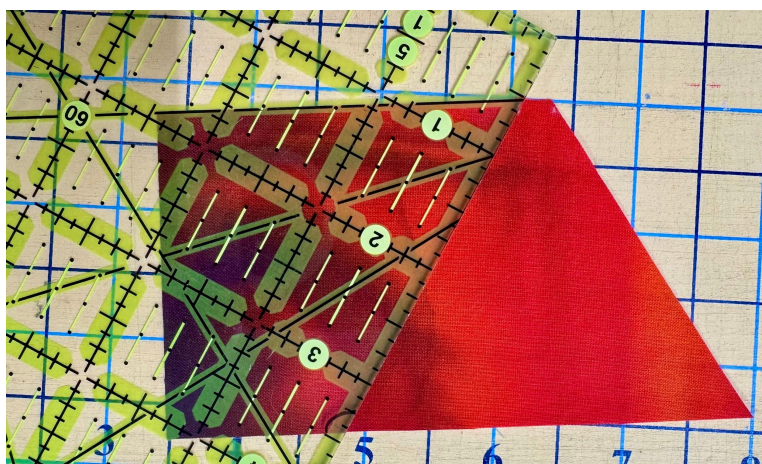


Using the 60 degree angle line of your ruler, line it up on the 2 ½" X 4" rectangle as shown and trim off that rectangle.

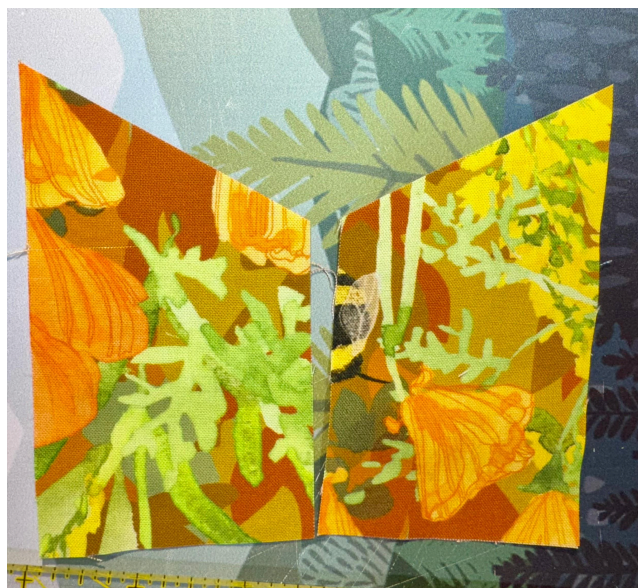
Then, at the top of the triangle, measure and mark ¼" away.



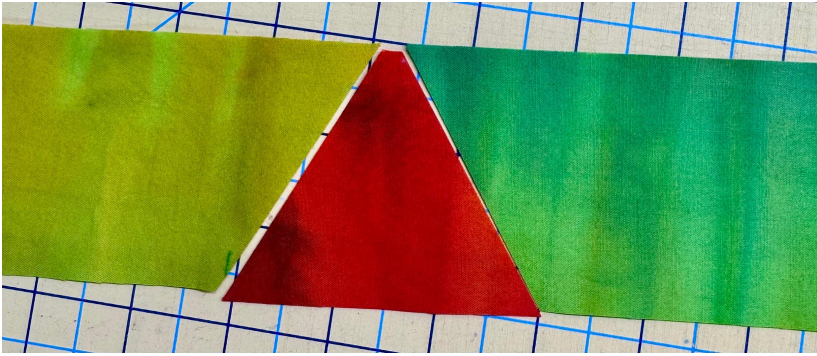
Using the 60 degree angle once again, lining it up at the top and to the ¼" mark, then trim. This is the point of your screw!



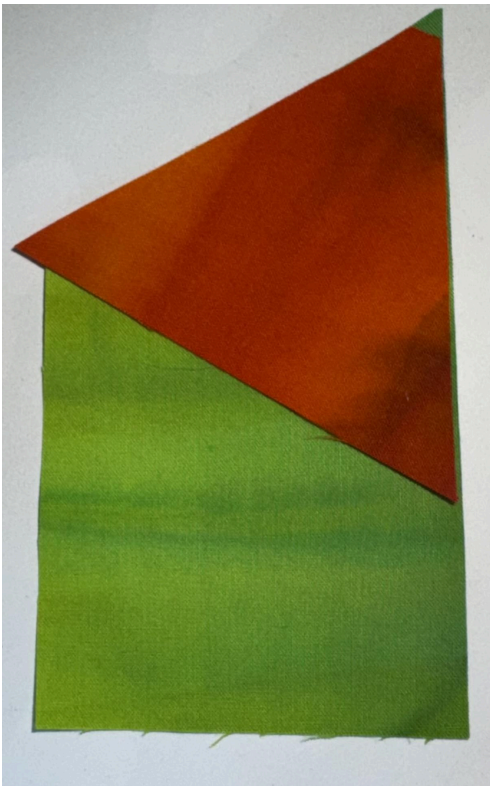
Next, trim a 60 degree angle off the end of the two background rectangles 2 ½" X 4 ½". Make sure they are placed right sides together, directly on top of each other. They will form mirror images of each other.



Piecing the point of the screw:

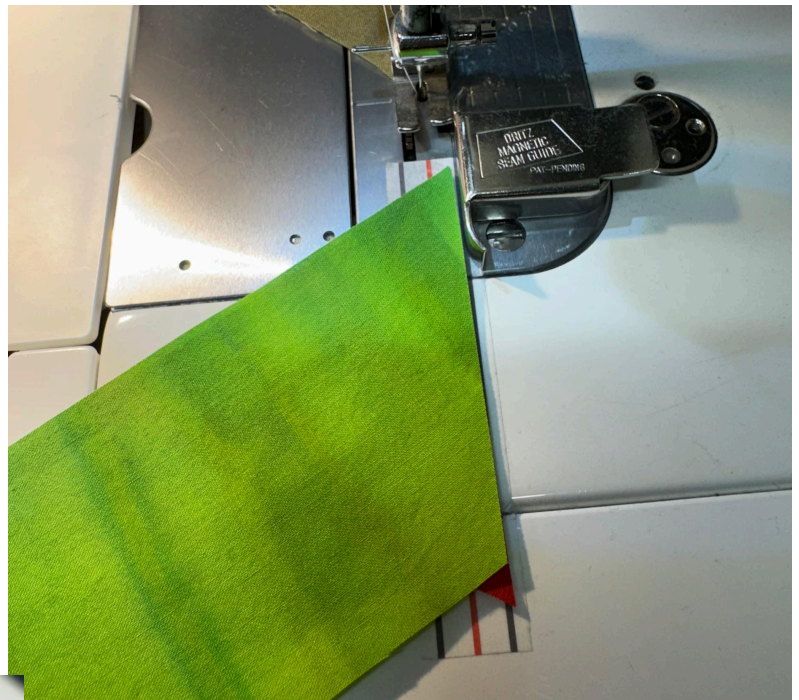


Lay out the pieces.

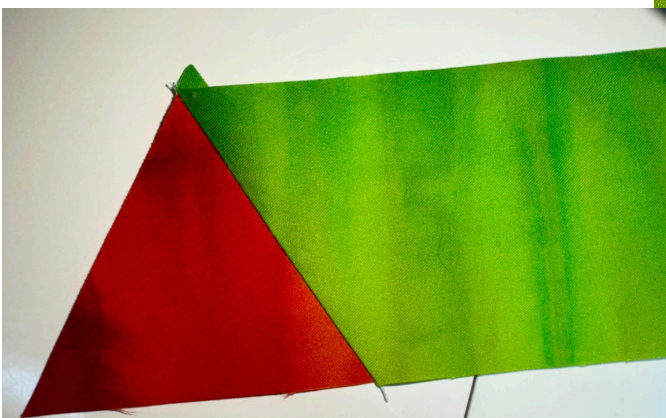


Flip triangle onto the left or right side background pieces. Triangle tips should stick out $\frac{1}{4}$ "

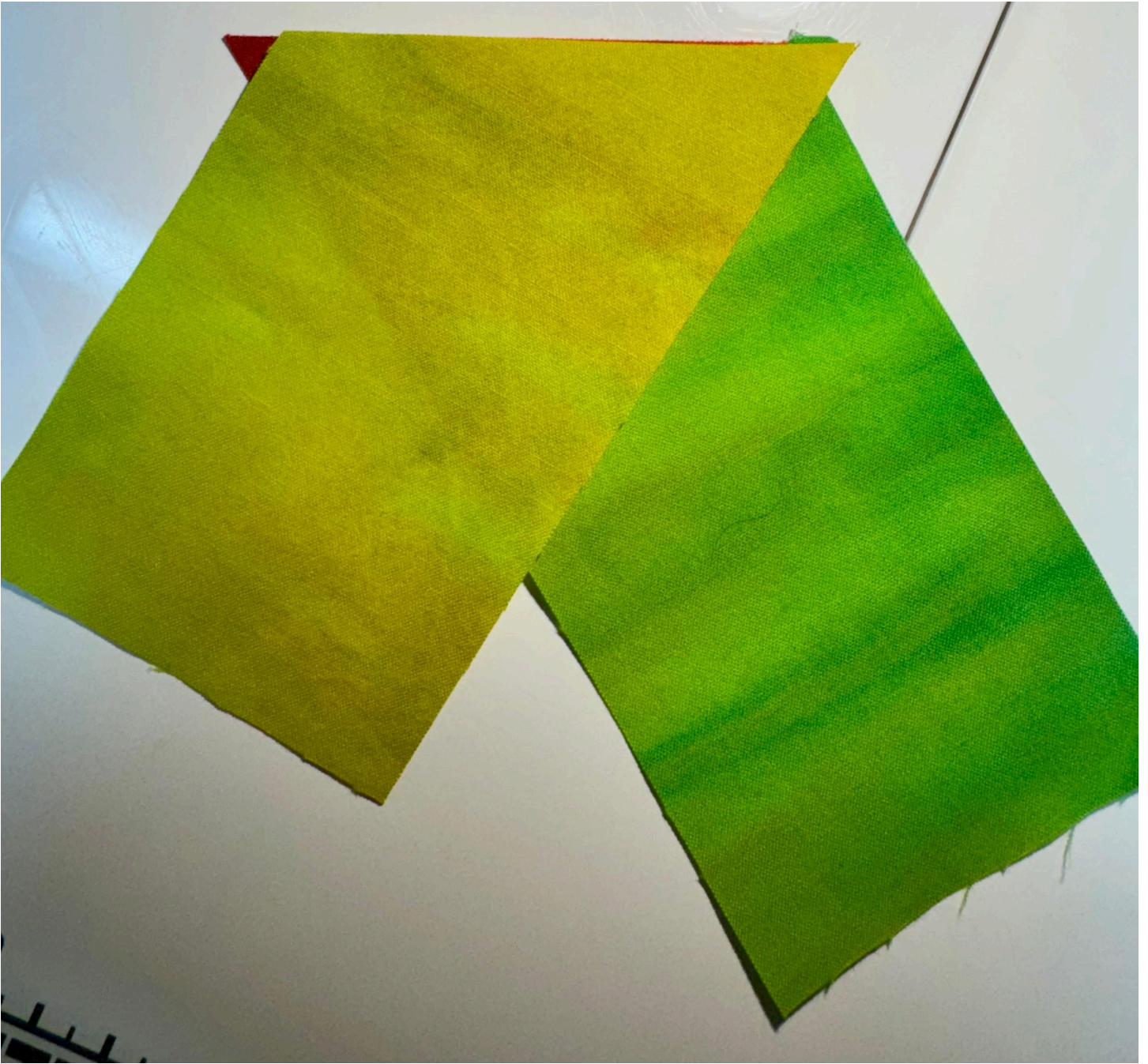
Note: In the photo at left, the triangle top is on the upper right side. In the photo below right, I have flipped the pair over to sew from the top of triangle down



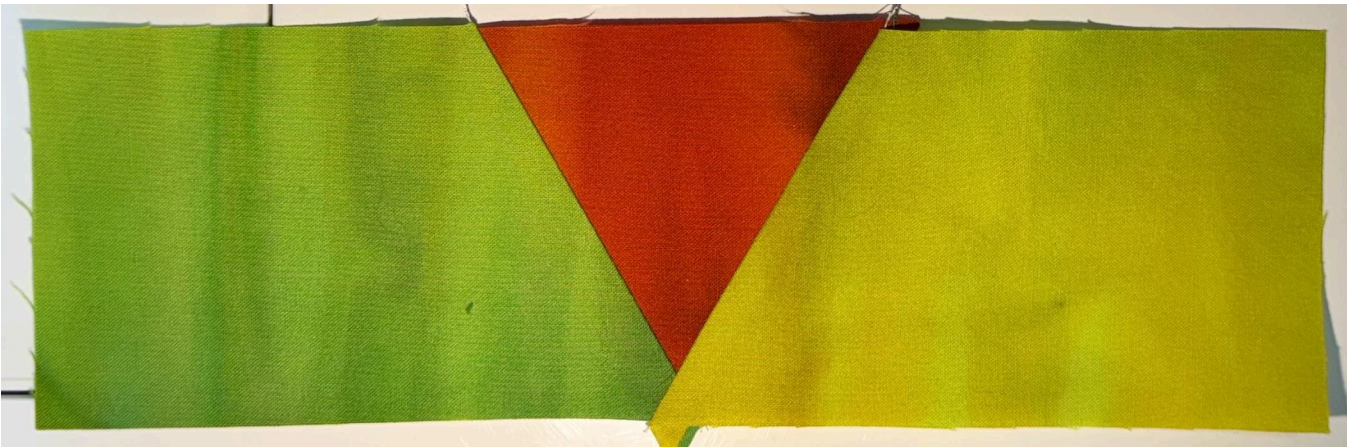
After stitching, press seam towards background.



In the same way, flip the remaining background piece and notice the tiny triangles sticking out at each end (right at the $\frac{1}{4}$ " seam line).
(Photo shown on next page)



Stitch and press. You have made your point!

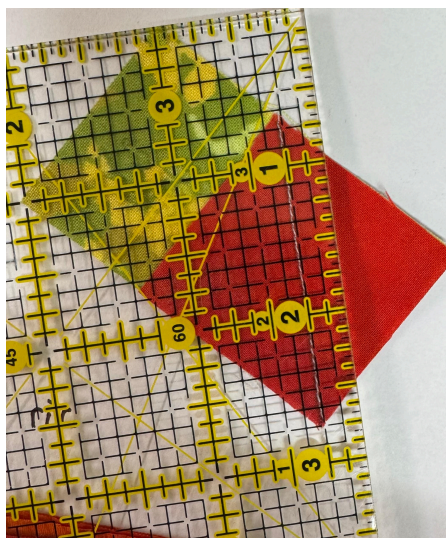


Background Blocks Construction:



Lay out the screw head sections by placing the 1½" square screw colored squares on top of the right and left sides of the background rectangles.

Draw a diagonal line starting from the bottom inner corner and going at a 90 degree angle outwards to the opposite top corner, as shown above.



Stitch on the drawn line, trim the seam ¼" away from the seam line and press outwards. Do the same for both sides. The two background pieces will be mirror images.



Next we will sew the background blocks that have the thread screw sticking out.



We will be making 16 of these for each screw thread that sticks out. Lay them out with a tiny square on the lower right side of the rectangle.



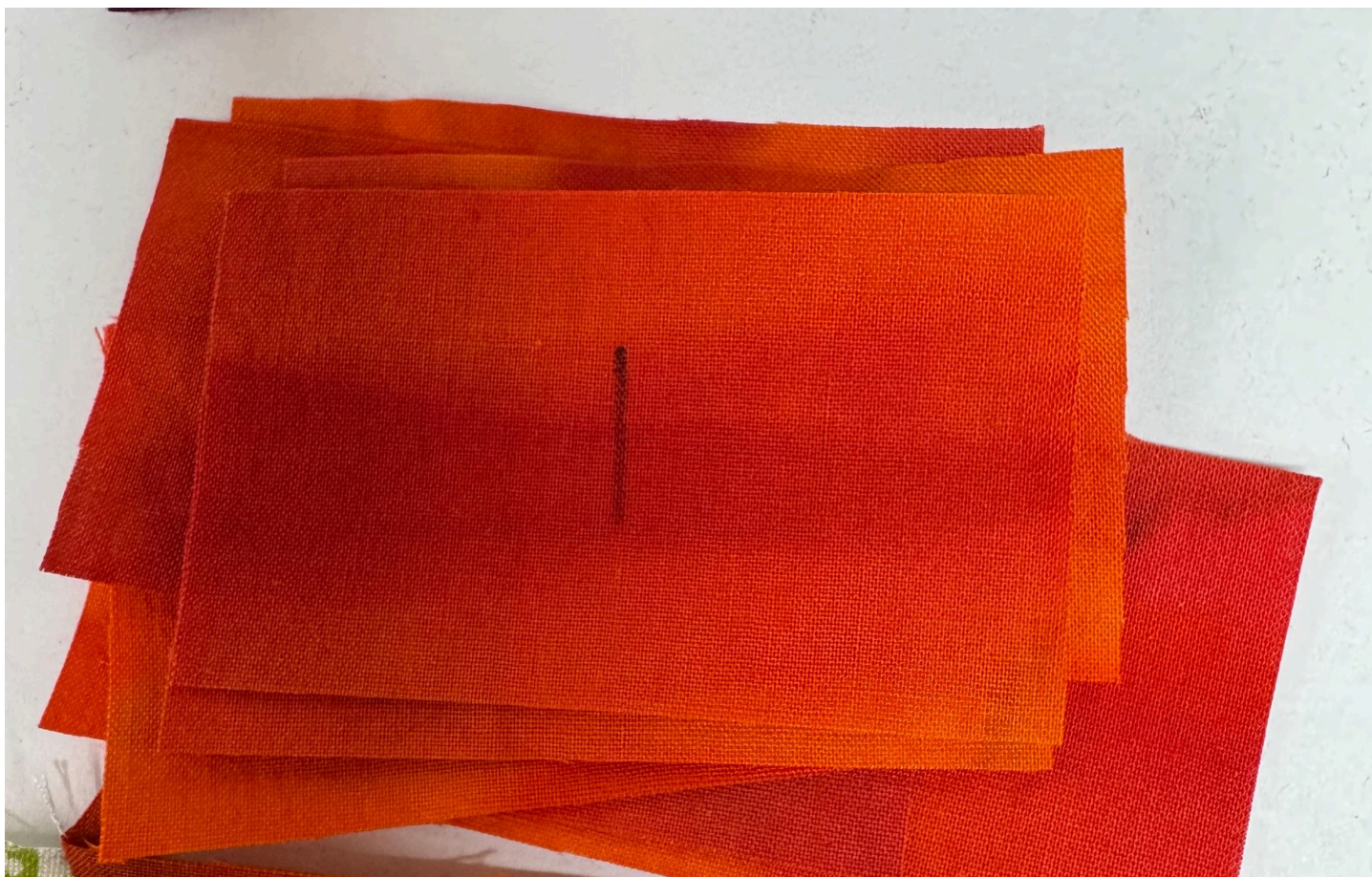
Draw a diagonal line from lower left to upper right of the 1" square. This is the stitching line.

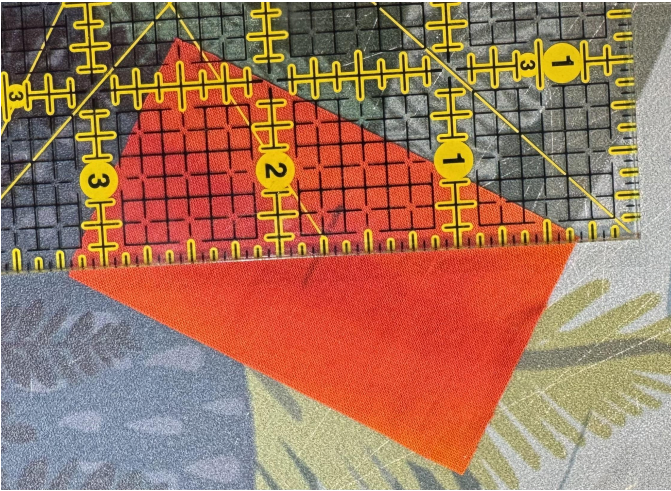


Chain piece all 16 pairs of rectangles and squares.

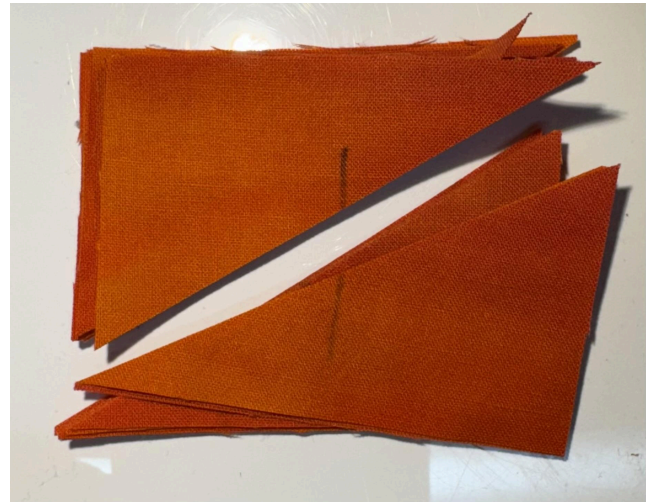
Trim $\frac{1}{4}$ " away from the seam. I seemed to get a better result by pressing triangle seam towards background, but pressing the seam open can achieve equally good results. Measure. Your rectangles should be $1\frac{1}{2}$ " X $2\frac{1}{2}$ ".

Next we will piece the diagonal threads of the screws. Begin by marking each of the (8) $1\frac{1}{2}$ " X $2\frac{1}{2}$ " screw rectangles in the center of each block. Using a ruler, I measured 1.25" in and made a slash mark using a water erasable marker or chalk marker. (See photo below)



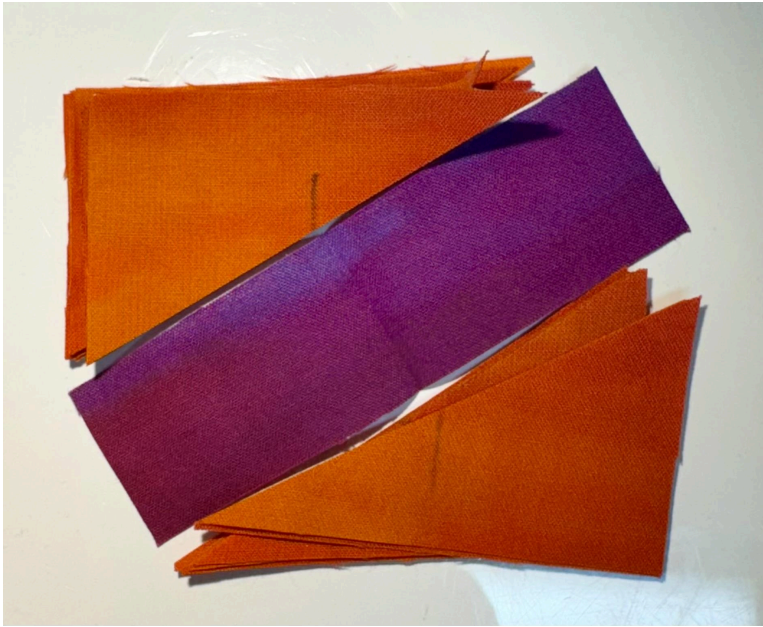


Using a ruler, cut diagonally from lower left to upper right on all 8 of the rectangles. The mark you made should show on both the upper and the lower triangles you just cut (as shown below)



Fold all of the 1" X 3 ½" rectangles in half and press

You will be matching the crease line with the mark on the two triangle pieces.

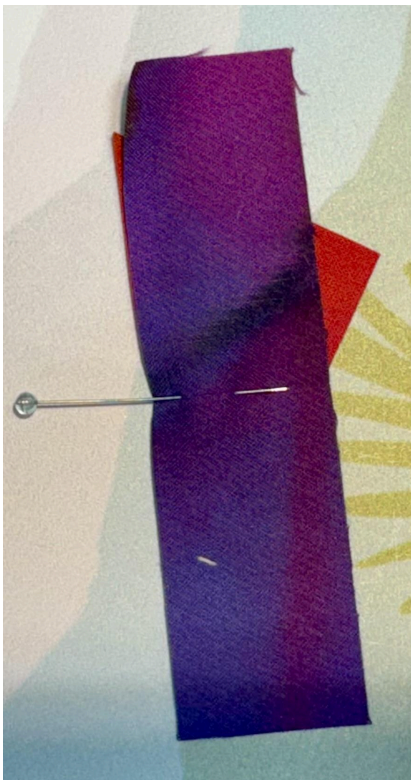


Quick Overview of next steps:
You should end up with 8 sets of these three pieces.

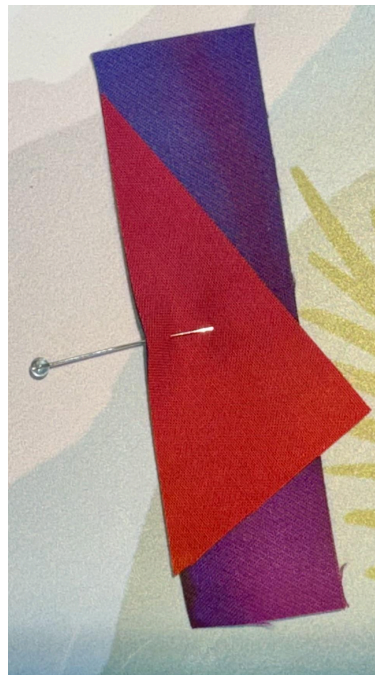
For the next stitching, use pins to pin exactly where the marks match up.

Sew a scant $\frac{1}{4}$ "

Press towards the rectangle.



Match up the folded edge of the screw thread directly to the mark you made on the edge of the fabric. It is important that the mark lines up with the fold at the **edge** of the fabric. Stitch with (as usual) a scant quarter inch.

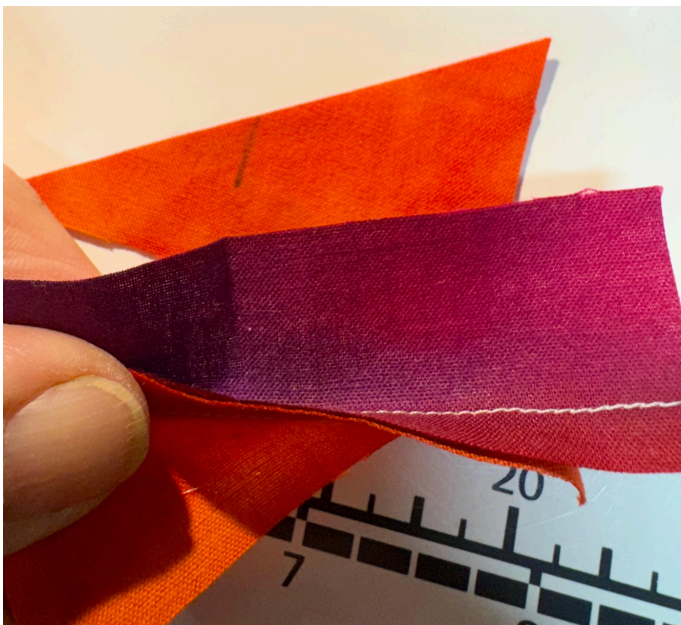


I press the seam towards the screw thread (the skinny rectangle).

It looks odd at this point...just trust the process!



Now, it's time to add the other half of your cut diagonal rectangle. Again, focus on matching that mark directly to the crease at the edge of the fabric.

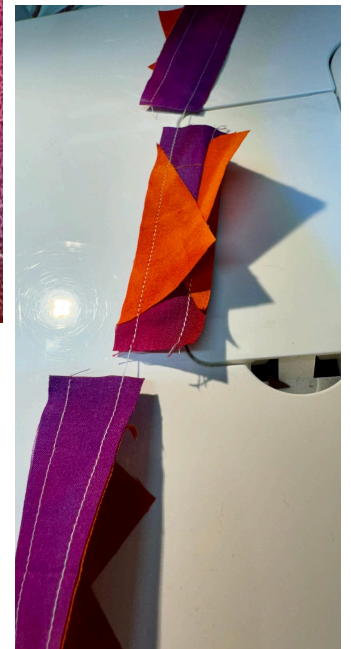


Match the crease to the mark and pin. Sew the same as you did the other side.



Press seams inward, towards the screw thread .

Trim to 1 ½" X 2 ½" rectangle



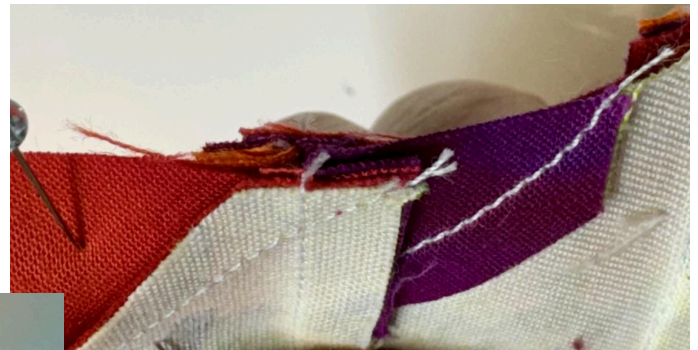
Assembly of the screw block:



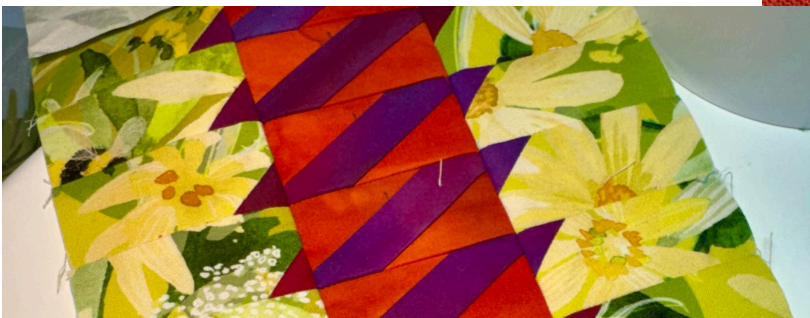
Lay out the entire block.

First, sew the three columns.

Press the outer column seams up. Press the center column seams down. Now when you sew the columns together the seams will nest.



Press seams of columns away from the screw, towards the background.



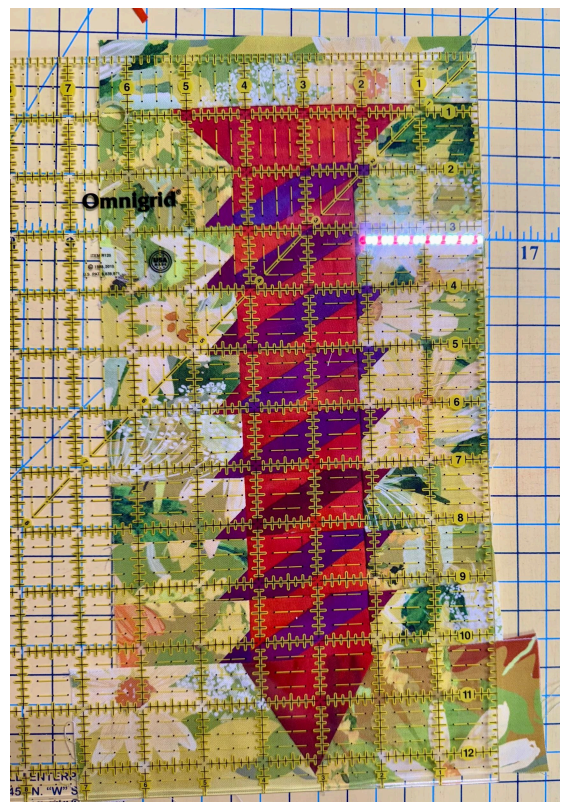
Attach the point of the screw:



To attach the point of the screw, fold the screw block in half and make a crease on the bottom edge. Fold the point of the screw in half and make a crease. Match up the creases, pin and sew. Press downwards.



Sew the top background rectangle to the top of the screw. Press upwards. Trim to 6 1/2" X 12 1/2"



Make a second screw. Piece the two screws together!



Does this "seam" like a lot of work? Well, it's definitely fiddly work. If you would prefer an easier version, keep on reading!

Cutting Instructions for Simple Screw:

Row One: Background: (1 ½" X 6 ½")

Row Two: Background: 2 X (1 ½" X 2 ½")

Screw fabric (1 ½" X 2 ½")

2 X (1 ½" X 1 ½")

Row Three: Background: 2 X (2 ½" X 8 ½")

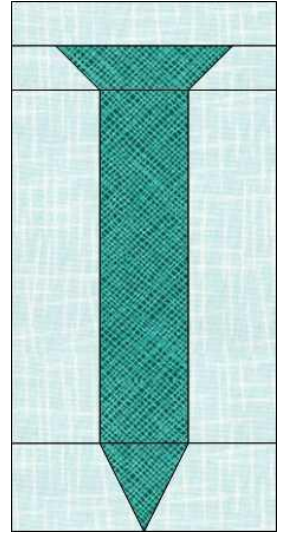
Screw fabric: (2 ½" X 8 ½")

-(if using striped fabric for the screw, cut this rectangle at a 45 Degree angle to make the stripes go diagonally)

Row Four:

Background fabric: 2 X (2 ½" X 5 ½") -cut using same method as the "fiddly" screw at the very top of the instructions

Screw fabric: (2 ½" X 3 ½") -cut triangle using the same method as first screw



See sewing directions for screw top and screw tip above

Make two of these, 6 ½" X 12 ½", and sew together for a 12 ½" square block



Not fancying making two screws?

Here is another option!

Row one: Background: (1 ½" X 12 ½")

Row two: Background: 2 X (1 ½" X 5 ½")

Screw color: (1 ½" X 2 ½")

2 X (1 ½" X 1 ½")

Row three: Background: 2 X (5 ½" X 8 ½")

Screw color: (2 ½" X 8 ½")

Row four: Background: 2 X (3 ½" X 5 ½")

Screw color: (2 ½" X 3 ½")

Okay, those were easier, but what if you want the screw threads to show on these plain blocks? Read on!

Mark every 1" on the body of the screw. Sketch diagonal lines. Stitch over the drawn lines, either use a thicker thread, or double stitch (that's what I did), or do hand embroidery!!

Have fun!

Text or email me with any questions.

- Quilter Kate

