Biplane seen from the front

6 inch (15 cm) hoop, 4.6 × 4.6 in (11.7 × 11.7 cm)



Colors by number: page 2.

What you need

A 6 inch (15 cm) hoop.

A 9 inch (23 cm) square of white or light cotton or linen.

An embroidery needle, size 9.

16 colors of floss (page 2): one skein of each color (an estimate from the drawing's lines and shapes).

A water-soluble pen, and small scissors.

Onto the fabric

Fabric you can see through: page 3 taped to a sunny window, the fabric over it; trace.

Other fabric: dressmaker's carbon paper, colored side down, page 3 on top; trace with a ballpoint.

Iron-on pen: go over page 4, the mirrored page, and press it ink side down as the pen's packet says. The lines stay.

Then hoop it, inner ring under, tight as a drum.

How to read it

Floss has six strands: cut 18 inches (45 cm), pull out the number named one at a time, and lay them together.

Start a filling with tiny stitches, a line with a small knot; end under stitches on the back.

Every stitch in pictures: flossfield.com/embroidery/stitches.

New to this: flossfield.com/embroidery/guides/how-to-start.

Stitch in this order

Where a stitch page says otherwise, follow this list.

1. **Chain stitch**, 2 strands, color 3
   Inner rim



2. **Back stitch**, 2 strands, color 5
   Wires

3. **Satin stitch**
   2 strands, colors 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14
   Sun rays, rim, wing struts, cabin struts, tires, tire treads, leg fairings, axle caps, lower wing, upper wing, cowl, engine shadow, cylinders, cylinder heads, crankcase, propeller tips



4. **Long and short stitch**
   1 strand, colors 6, 7, 15, 16
   Propeller



5. **Straight stitch**, 1 strand, color 8
   Pushrods



6. **Stem stitch**, colors 7, 10
   2 strands: cowl edge
   1 strand: hub edge

7. **Split stitch**, 1 strand, color 15
   Propeller edge

8. **Padded satin stitch**
   2 strands, color 14
   Hub



9. **French knot**
   two wraps, colors 7, 8, 14
   2 strands: wire buckles, spark plugs, hub center
   1 strand: axle bolts, hub bolts



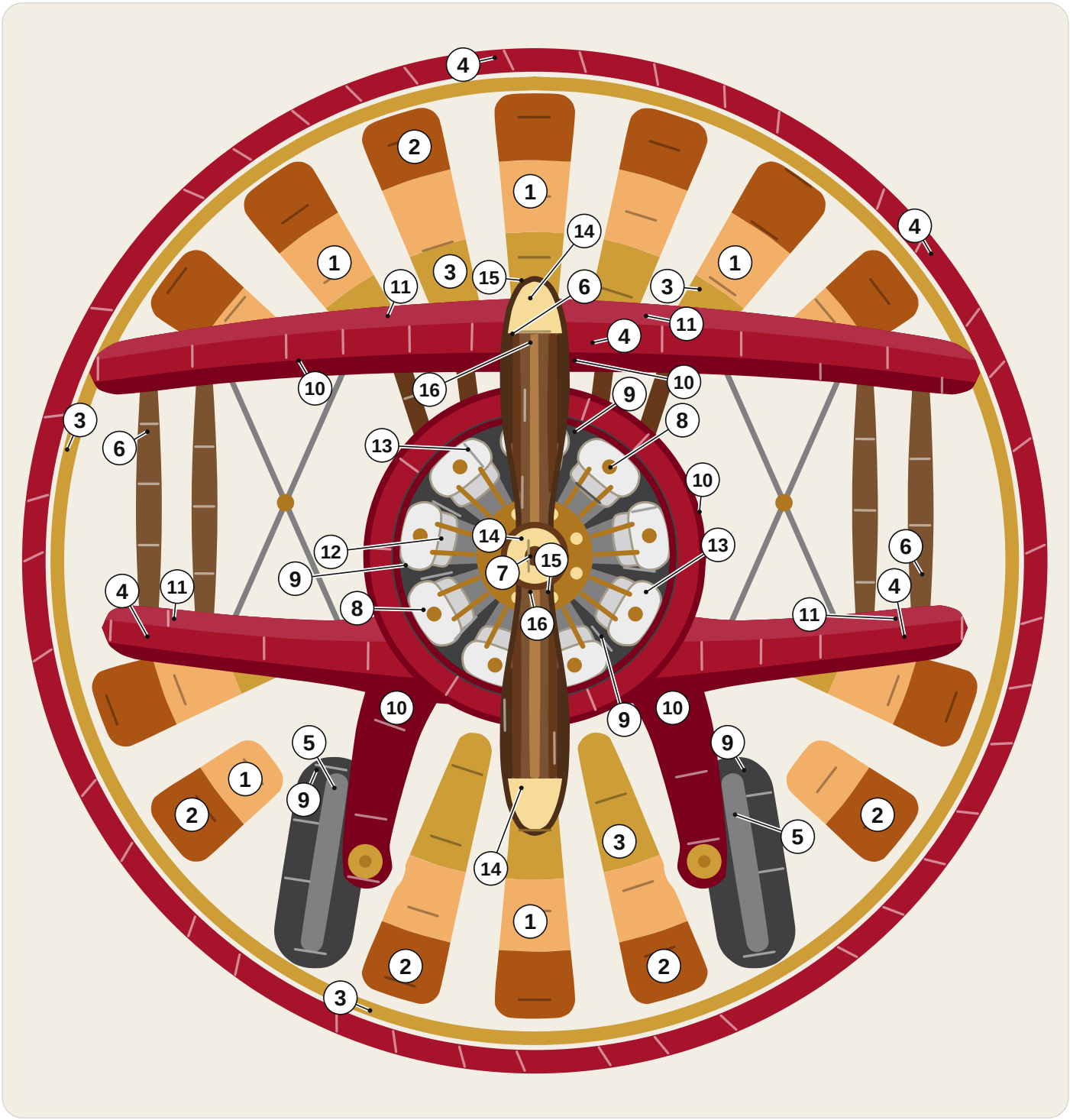
Take out lines that still show, press face down, finish the hoop or sew a pillow.

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Biplane seen from the front

6 inch hoop

A number is a color of the list. Fine lines show which way the stitches lie: do not stitch them.



1	DMC 3854 Medium Autumn Gold	**7**	DMC 801 Dark Coffee Brown	**13**	DMC 762 Very Light Pearl Gray
2	DMC 920 Medium Copper	**8**	DMC 782 Dark Topaz	**14**	DMC 3822 Light Straw
3	DMC 3852 Very Dark Straw	**9**	DMC 3799 Very Dark Pewter Gray	**15**	DMC 898 Very Dark Coffee Brown
4	DMC 498 Dark Red	**10**	DMC 814 Dark Garnet	**16**	DMC 435 Very Light Brown
5	DMC 414 Dark Steel Gray	**11**	DMC 3831 Dark Raspberry		
6	DMC 433 Medium Brown	**12**	DMC 415 Pearl Gray		

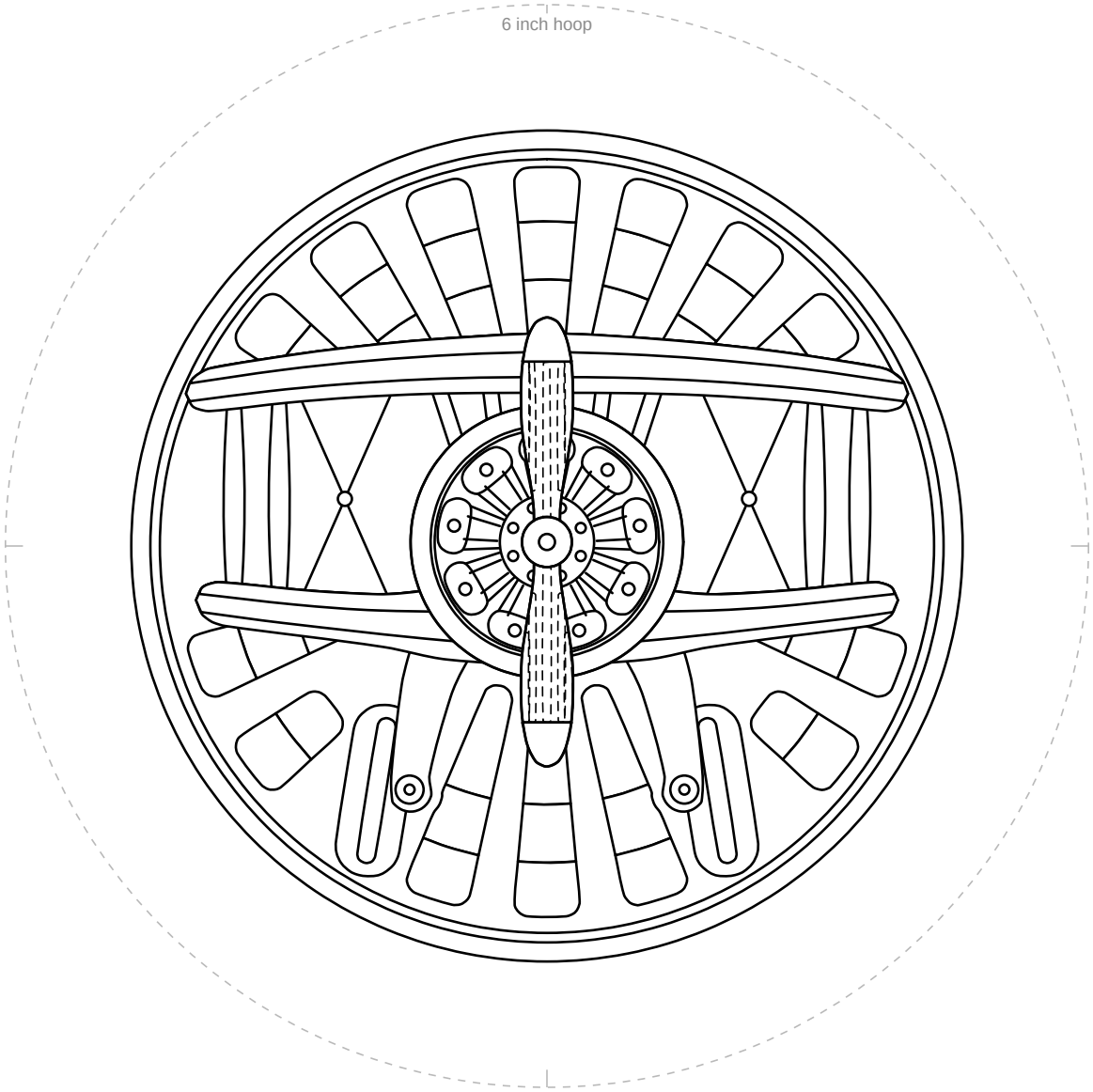
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Biplane seen from the front

6 inch hoop

Print at 100% and measure the square. Trace the black lines only. The gray ring is the hoop: fold the fabric in four and lay the folds on its ticks.

On the drawing a ring is one French knot: mark a dot; a broken line inside a shape is where two shades meet: trace it, do not stitch it.



1 in
25.4 mm

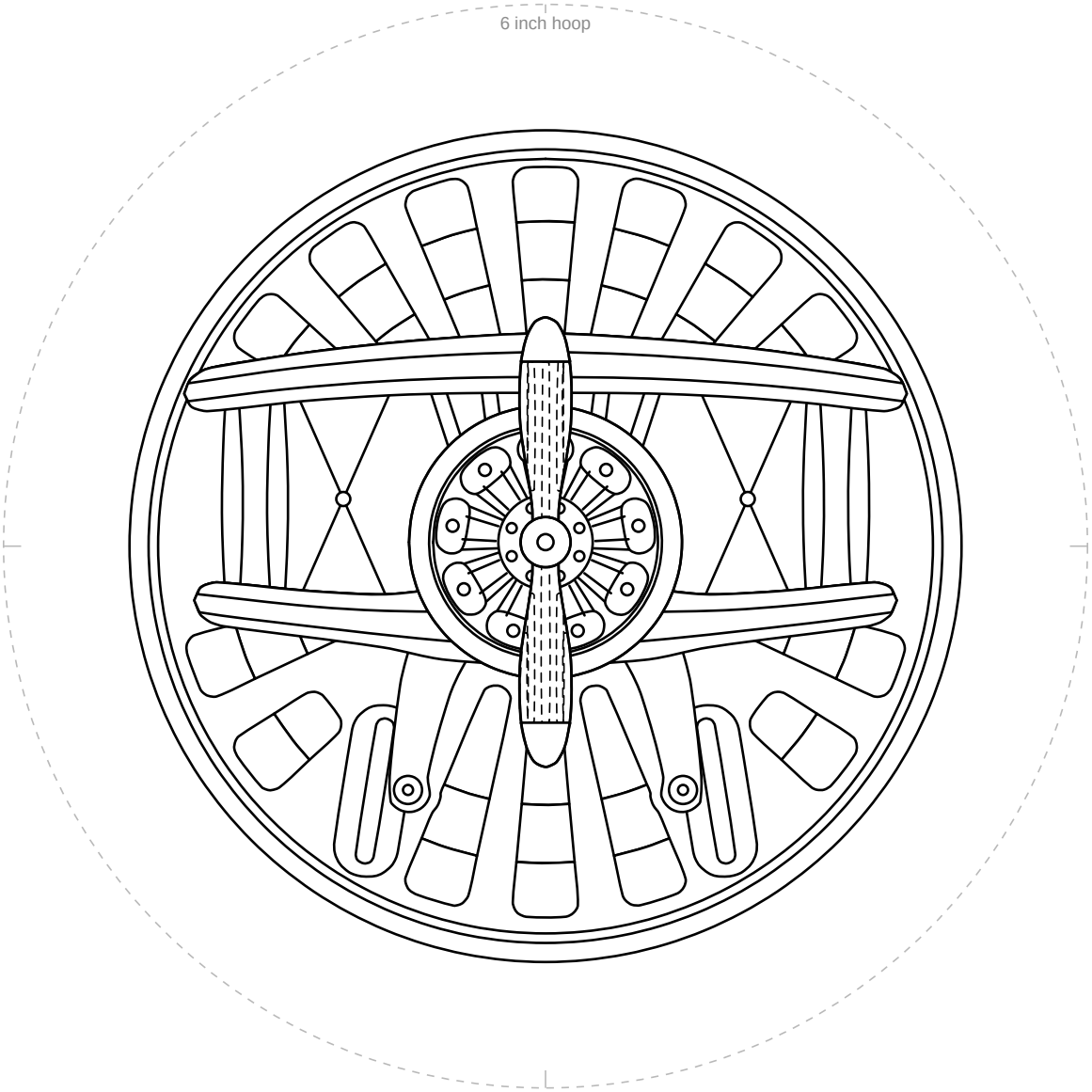
Not 1 inch (25.4 mm)? Print again at 100%.

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Biplane seen from the front

6 inch hoop

For an iron-on pen only. Go over the lines, press ink side down.



1 in
25.4 mm

Not 1 inch (25.4 mm)? Print again at 100%.

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