Steam engine

6 inch (15 cm) hoop, 4.4 × 4.4 in (11.2 × 11.2 cm)



Colors by number: page 2.
Fabric: navy cotton or linen.

What you need

A 6 inch (15 cm) hoop.

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

An embroidery needle, size 9.

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

A white pencil, and small scissors.

Onto the fabric

Fabric that lets light through: page 3 on a bright light, the fabric over it; trace with a white pencil.

Other fabric: print page 3 on a sticky wash-away sheet, stick it on, stitch through it and rinse it away.

Or white or yellow carbon paper, colored side down, page 3 on top; trace with a ballpoint and go over a faint line with a white pencil.

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. **Long and short stitch**
   1 strand, colors 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23
   Steam, ties, cab, cab windows, cab roof, cylinders, wheels, saddle, buffers, smokebox, smokebox door, chimney



2. **Satin stitch**
   2 strands, colors 9, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24
   Rail sides, rails, cylinder caps, wheel flanges, running board, pilot back, pilot bars, pilot foot, buffer beam, buffer sockets, coupling, door hinges, hinge pins, handwheel, chimney rim, lamp bracket, lamp case, lamp rim, lamp



3. **Stem stitch**
   2 strands, colors 12, 13, 14, 22
   Rail light, window frames, beam edge, edges of the coupling

4. **Split stitch**
   1 strand, colors 19, 22
   Door rings

5. **Straight stitch**
   2 strands, color 14
   Edges of the handwheel



6. **French knot**
   two wraps, colors 12, 13, 21
   1 strand: beam rivets, smokebox rivets, hinge rivets
   2 strands: knots of the handwheel



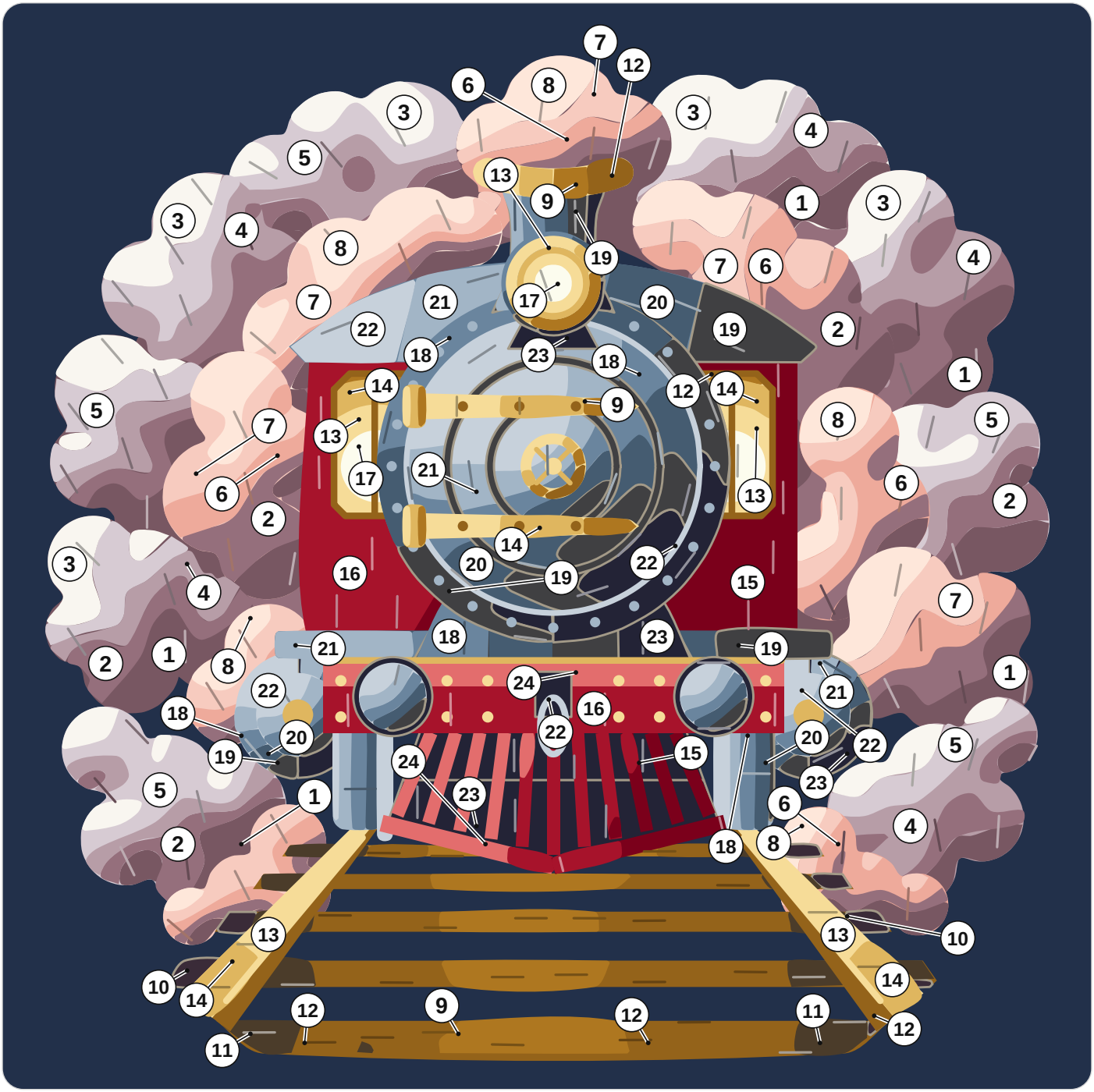
Take out lines that still show, press face down, finish the hoop or sew a pillow.

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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 3740 Dark Antique Violet	9	DMC 782 Dark Topaz	17	DMC 746 Off White
2	DMC 3041 Medium Antique Violet	10	DMC 3371 Black Brown	18	DMC 931 Medium Antique Blue
3	DMC 3865 Winter White	11	DMC 3031 Very Dark Mocha Brown	19	DMC 3799 Very Dark Pewter Gray
4	DMC 3042 Light Antique Violet	12	DMC 780 Ultra Very Dark Topaz	20	DMC 930 Dark Antique Blue
5	DMC 3743 Very Light Antique Violet	13	DMC 3822 Light Straw	21	DMC 932 Light Antique Blue
6	DMC 758 Very Light Terra Cotta	14	DMC 3820 Dark Straw	22	DMC 3752 Very Light Antique Blue
7	DMC 754 Light Peach	15	DMC 814 Dark Garnet	23	DMC 310 Black
8	DMC 948 Very Light Peach	16	DMC 498 Dark Red	24	DMC 3328 Dark Salmon

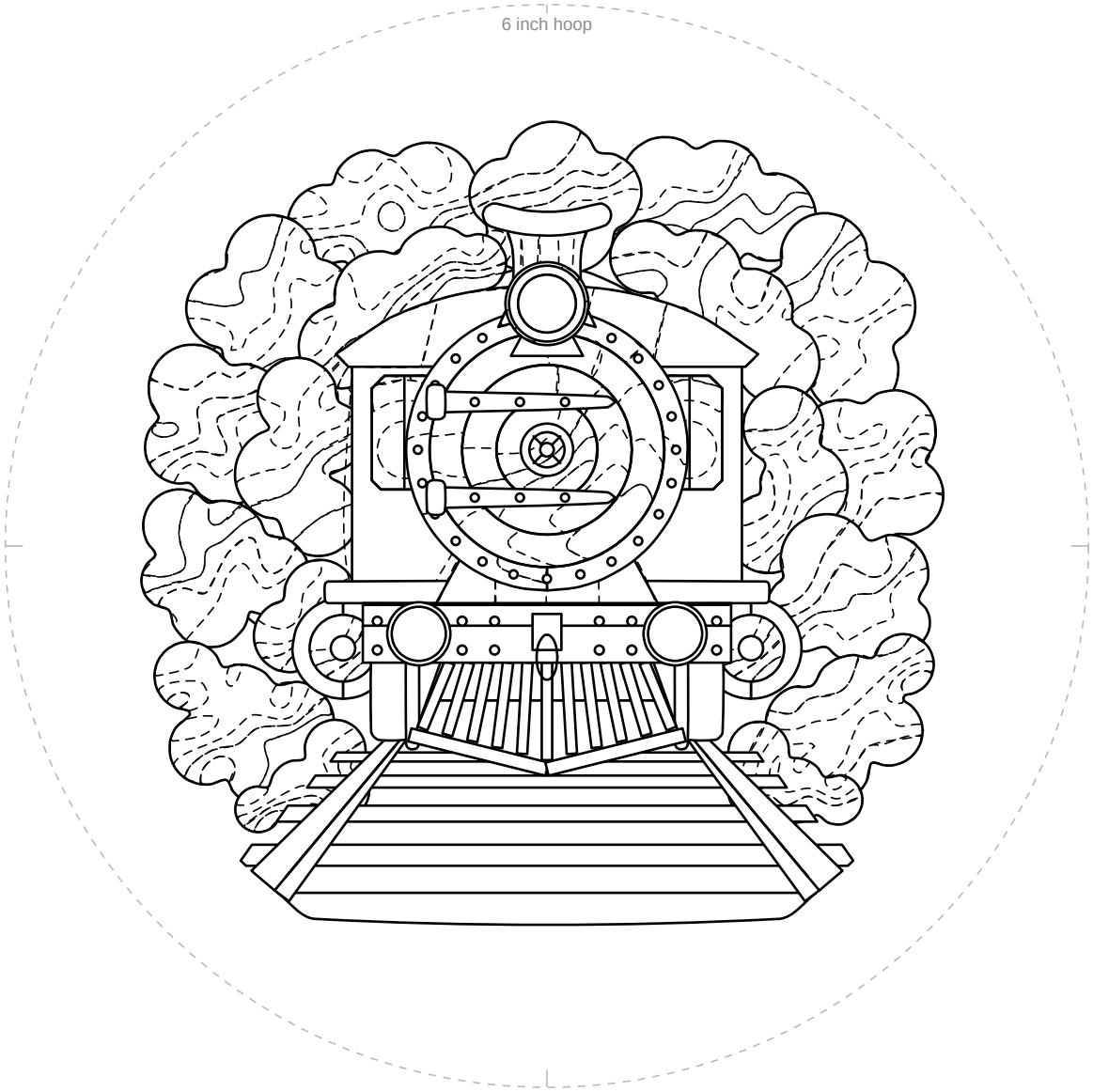
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6 inch hoop

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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