Train engineer cap

Toddler, head 18 in (46 cm) · US terms



Finished size

About 17 in (43 cm) round and about 7½ in (19 cm) deep from the center of the top to the lower edge of the band, measured along the cloth, the peak not counted, which is about 2¼ in (6 cm) from the band to its front edge, its edging counted; the crown is about 24 in (61 cm) round where it is fullest

To fit a head of 18 in (46 cm)

Skill

Intermediate

Rows in back loops, gathered edges, a peak of two layers, small pieces sewn on

Yarn

Light (3), 5 colors

Hook

4.5 mm (US 7)

Gauge

15 stitches and 16 rounds to 4 in (10 cm)

In single crochet (UK double crochet).

What you need

Yarn A: stripe blue, the wide stripes, the top without its edge, and the peak	**about 130 yd (119 m), an estimate**
Yarn B: paper white, the narrow stripes and the window	**about 45 yd (41 m), an estimate**
Yarn C: bandana red, the band, the edge of the top, the button, the roof and the wheels	**about 40 yd (37 m), an estimate**
Yarn D: brass yellow, the badge	**about 15 yd (14 m), an estimate**
Yarn E: deep navy, the train	**about 10 yd (9 m), an estimate**

By weight: about 95 g in all, an estimate, where 100 g is 250 yd (229 m).

Hook: 4.5 mm (US 7), or the size that gives you the gauge. Also: a soft tape measure, a stitch marker, a yarn needle, scissors, pins, 2 more stitch markers (for the peak) and a piece of plastic canvas at least 8 by 2 in (20 by 5 cm), the size of the peak without its edging, for a stiffer peak, if you like.

To find how many balls: divide by the length on your yarn's label and round up. Buy them from one dye lot. The estimate is from the stitches and chains of this size at this gauge, with 30 percent added.

Sizes

Size	Head	Finished size, about	Yarn, an estimate
Baby, 3 to 6 months	15 in (38 cm)	13¾ in (35 cm) round, 6¾ in (17 cm) deep	about 190 yd (174 m)

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Baby, 6 to 12 months	16½ in (42 cm)	16 in (41 cm) round, 6¾ in (17 cm) deep	about 210 yd (192 m)
Toddler (this file)	**18 in (46 cm)**	**17 in (43 cm) round, 7½ in (19 cm) deep**	**about 240 yd (219 m)**
Child	19½ in (50 cm)	18¼ in (46 cm) round, 7¾ in (20 cm) deep	about 255 yd (233 m)

Gauge

15 stitches and 16 rounds to 4 in (10 cm) in single crochet.

The gauge is measured on the band itself, at the round named: put a soft tape round its outside along the round just worked, without pulling it in. If it measures more than the round says, begin again with a smaller hook; if less, with a larger one. The rows of the crown and of the peak are single crochet too: 15 stitches and 16 rows to 4 in (10 cm).

Check your gauge on the piece. Begin the pattern and measure the piece itself as you go. After round 3, put a soft tape round the outside of the cap along that round, without pulling it in: the cap should measure about 17 in (43 cm) round.

Notes

- On a baby: sew every part on firmly all round, and take the cap off for sleep.
- Measure the head if you can: put a soft tape round its widest part, across the middle of the forehead and just above the ears, and choose the size whose head measurement is nearest. Each size is made about 1 in (2.5 cm) smaller round than the head it is for, as nearly as whole repeats of its stitches allow, so that it stays on.
- The cap begins with a ring of chains: leave a tail of 6 in (15 cm) before the first chain, see that the chain is not twisted, and slip stitch in the first chain. Round 1 is worked into each chain, one stitch in each, the first of them into the chain that was joined. At the end sew the little gap at the foot of round 1 closed with the beginning tail.
- The right side of the cap faces you in every round; the rounds are never turned.
- The chain that begins a round is not a stitch. The first stitch goes in the same place as the slip stitch.
- To change yarn at the start of a round, finish the joining slip stitch of the round before with the new yarn. Where a yarn rests for 4 rounds or fewer before it is used again, carry it up the inside; where it rests for more, or is not used again, cut it, leaving a tail of 6 in (15 cm).
- The top button, the badge, the large wheel and the small wheels are begun with a magic ring and worked in a spiral: no chain at the start of a round and no slip stitch at its end; put a marker in the first stitch of each round and move it up every round. The right side faces you.
- Back loop only: of the two loops at the top of a stitch work under the one that lies farther from you as you work.
- Front loop only: of the two loops at the top of a stitch work under the one that lies nearer to you as you work.
- The number at the end of each line is the number of stitches it has when it is finished; chains and slip stitches that are not named there are not counted.
- Whip stitch: hold the two edges together and sew them over and over, the needle always going in from the same side, through one stitch of each edge at a time.
- The crown and the outer peak and the inner peak and the boiler and the cabin and the chimney and the window are worked in rows: the chain at the start of a row does not count as a stitch, and the first stitch after the turn goes into the last stitch of the row before.
- Magic ring: wrap the yarn once round two fingers, leaving a tail of 6 in (15 cm), and with the hook draw a loop of the working yarn up through the ring. Keep that loop on the hook and make the chain that round 1 begins with; where round 1 names no chain, make 1 chain to hold the loop, and do not count it. Work the stitches of round 1 into the ring, over the tail too, then pull the tail until the ring is closed.

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- A chain shows two loops in front, which lie like a V, and one loop, a little bump, at its back. Work round 1 of the band under the bump at the back of each chain: the two loops of the V then stay free at the lower side of round 1, and the crown is sewn to them.
- The cap has four main pieces: the band, the crown, which is a wide striped tube worked sideways, the round top, and the peak, which grows from the band.
- In the crown work 4 rows with yarn A and 2 rows with yarn B in turn. To change yarn, pull the new yarn through in the last yarn over of the last stitch of the row before. Do not cut the yarns between the stripes: carry the one that rests loosely up the edge at which they are changed; only after its last stripe is yarn A cut, as the rows say. That edge is sewn to the band.

Instructions

Toddler, head 18 in (46 cm). US terms.

ch chain, **sl st** slip stitch, **sc** single crochet (UK double crochet), **MR** magic ring, **st** stitch, **rnd** round.
BLO: only the loop away from you. **FLO**: only the loop nearest you. **RS** right side, the one that shows.
2 sc in next st: both in one stitch. **sc in next 2 sts**: one in each.
[ ] 6 times: work what is inside 6 times in all.
(64 sc): the stitches you have when the round is done. **How to read a pattern**.

Special stitches

sc2tog (single crochet 2 together; UK dc2tog): Pull up a loop in each of the next 2 stitches, yarn over and pull through all 3 loops: 1 stitch decreased.

Cap

Yarn C, bandana red.

☐ **Foundation**	Ch 64 with yarn C, sl st in first ch to form a ring.	
☐ **Rnd 1 (RS)**	Ch 1, sc in each ch around, sl st in first sc to join	(64 sc)
☐ **Rnds 2 to 3**	Ch 1, sc in each st around, sl st in first sc to join	(64 sc)

The heavy box is where you stop and measure.

2 **3**

> **Stop and measure now, after round 3.** Put a soft tape round the outside of the cap along that round, without pulling it in: the cap should measure about 17 in (43 cm) round.

☐ **Rnds 4 to 5**	Ch 1, sc in each st around, sl st in first sc to join	(64 sc)

4 5

☐ **End**	Fasten off, leaving a tail of 6 in (15 cm).	

Crown

Yarns in order of use: A, stripe blue; B, paper white.

☐ **Foundation**	Ch 19, leaving a tail of 6 in (15 cm) before the first chain.	
☐ **Row 1 (RS)**	Sc in 2nd ch from hook and in each ch across	(18 sc)
☐ **Rows 2 to 4**	Ch 1, turn; sc in BLO of each st across	(18 sc)

2 3 4

☐ **Row 5**	With B, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 6**	Ch 1, turn; sc in BLO of each st across	(18 sc)

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☐ **Row 7**	With A, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Rows 8 to 10** 8 9 10	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 11**	With B, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 12**	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 13**	With A, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Rows 14 to 16** 14 15 16	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 17**	With B, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 18**	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 19**	With A, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Rows 20 to 22** 20 21 22	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 23**	With B, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 24**	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 25**	With A, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Rows 26 to 28** 26 27 28	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 29**	With B, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 30**	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 31**	With A, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Rows 32 to 34** 32 33 34	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 35**	With B, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 36**	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 37**	With A, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Rows 38 to 40** 38 39 40	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 41**	With B, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 42**	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 43**	With A, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Rows 44 to 46** 44 45 46	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 47**	With B, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 48**	Ch 1, turn; sc in BLO of each st across	(18 sc)

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☐ **Row 49**	With A, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Rows 50 to 52** 50 51 52	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 53**	With B, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 54**	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 55**	With A, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Rows 56 to 58** 56 57 58	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 59**	With B, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 60**	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 61**	With A, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Rows 62 to 64** 62 63 64	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 65**	With B, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 66**	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 67**	With A, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Rows 68 to 70** 68 69 70	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 71**	With B, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 72**	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 73**	With A, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Rows 74 to 76** 74 75 76	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 77**	With B, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 78**	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 79**	With A, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Rows 80 to 82** 80 81 82	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 83**	With B, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 84**	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 85**	With A, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Rows 86 to 88** 86 87 88	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 89**	With B, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 90**	Ch 1, turn; sc in BLO of each st across	(18 sc)

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☐ **Row 91**	With A, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Rows 92 to 94**	Ch 1, turn; sc in BLO of each st across	(18 sc)

92 93 94

Yarn A is not used again in the rows. Finish the last stitch of row 94 with yarn B, then cut yarn A, leaving a tail of 6 in (15 cm).

☐ **Row 95**	With B, ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **Row 96**	Ch 1, turn; sc in BLO of each st across	(18 sc)
☐ **End**	Fasten off, leaving a tail of 20 in (51 cm) for the seam.	

Top

Yarns in order of use: A, stripe blue; C, bandana red.

☐ **Foundation**	Make a magic ring.	
☐ **Rnd 1 (RS)**	Ch 1, 6 sc in MR, pull the tail to close the ring, sl st in first sc to join	(6 sc)
☐ **Rnd 2**	Ch 1, 2 sc in each st around, sl st in first sc to join	(12 sc)
☐ **Rnd 3**	Ch 1, **[**2 sc in next st, sc in next st**] 6 times**, sl st in first sc to join	(18 sc)
☐ **Rnd 4**	Ch 1, **[**sc in next 2 sts, 2 sc in next st**] 6 times**, sl st in first sc to join	(24 sc)
☐ **Rnd 5**	Ch 1, **[**2 sc in next st, sc in next 3 sts**] 6 times**, sl st in first sc to join	(30 sc)
☐ **Rnd 6**	With C, ch 1, **[**sc in next 14 sts, 2 sc in next st**] 2 times**, sl st in first sc to join	(32 sc)
☐ **End**	Fasten off, leaving a tail of 30 in (76 cm) for sewing.	

Outer peak

Yarn A, stripe blue.

☐ **Foundation**	Number the 64 stitches of round 5 of the band, its last round, in the order they were worked; the middle of the front lies between stitch 32 and stitch 33. Mark stitch 20 and stitch 45: the 26 stitches at the middle of the front, from stitch 20 to stitch 45, carry the peak. The crown is not yet sewn to the band. With the right side of the band facing you and its beginning chain at the bottom, leave a tail of 6 in (15 cm) and join yarn A with a slip stitch in the front loop only of stitch 20, so that its back loop stays free; the stitches lie in the order of their numbers, and the first single crochet of row 1 goes into that same front loop.	
☐ **Row 1 (RS)**	Ch 1, sc in FLO of first st, sc in FLO of next 25 sts	(26 sc)
☐ **Row 2**	Ch 1, turn; **[**sc in next 6 sts, 2 sc in next st**] 2 times**, **[**sc in next 5 sts, 2 sc in next st**] 2 times**	(30 sc)
☐ **Rows 3 to 4**	Ch 1, turn; sc in each st across	(30 sc)

3 4

☐ **Row 5**	Ch 1, turn; sc2tog over next 2 sts, sc in next 26 sts, sc2tog over next 2 sts	(28 sc)
☐ **Row 6**	Ch 1, turn; sc2tog over next 2 sts, sc in next 24 sts, sc2tog over next 2 sts	(26 sc)
☐ **Row 7**	Ch 1, turn; **[**sc2tog over next 2 sts**] 2 times**, sc in next 18 sts, **[**sc2tog over next 2 sts**] 2 times**	(22 sc)

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☐ **Row 8**	Ch 1, turn; **[**sc2tog over next 2 sts**] 2 times**, sc in next 14 sts, **[**sc2tog over next 2 sts**] 2 times**	(18 sc)
☐ **End**	Fasten off, leaving a tail of 6 in (15 cm).	

Inner peak

Yarn A, stripe blue.

☐ **Foundation**	Turn the band so that its inside faces you, its beginning chain again at the bottom: the first row of this peak goes into the 26 stitches at the middle of the front again, from stitch 45 back to stitch 20, each time into the loop that row 1 of the outer peak left free; seen from the inside it is the front loop, the one nearer to you. Leave a tail of 6 in (15 cm) and join yarn A with a slip stitch in that loop of stitch 45, and work the first single crochet of row 1 into that same loop.	
☐ **Row 1 (RS)**	Ch 1, sc in FLO of first st, sc in FLO of next 25 sts	(26 sc)
☐ **Row 2**	Ch 1, turn; **[**sc in next 6 sts, 2 sc in next st**] 2 times**, **[**sc in next 5 sts, 2 sc in next st**] 2 times**	(30 sc)
☐ **Rows 3 to 4** 3 4	Ch 1, turn; sc in each st across	(30 sc)
☐ **Row 5**	Ch 1, turn; sc2tog over next 2 sts, sc in next 26 sts, sc2tog over next 2 sts	(28 sc)
☐ **Row 6**	Ch 1, turn; sc2tog over next 2 sts, sc in next 24 sts, sc2tog over next 2 sts	(26 sc)
☐ **Row 7**	Ch 1, turn; **[**sc2tog over next 2 sts**] 2 times**, sc in next 18 sts, **[**sc2tog over next 2 sts**] 2 times**	(22 sc)
☐ **Row 8**	Ch 1, turn; **[**sc2tog over next 2 sts**] 2 times**, sc in next 14 sts, **[**sc2tog over next 2 sts**] 2 times**	(18 sc)
☐ **End**	Fasten off, leaving a tail of 6 in (15 cm).	

Top button

Yarn C, bandana red.

☐ **Foundation**	Make a magic ring.	
☐ **Rnd 1 (RS)**	6 sc in MR. Pull the tail to close the ring.	(6 sc)
☐ **Rnd 2**	2 sc in each st around	(12 sc)
☐ **End**	Slip stitch in the next stitch. Fasten off, leaving a tail of 15 in (38 cm) for sewing.	

Badge

Yarn D, brass yellow.

☐ **Foundation**	Make a magic ring.	
☐ **Rnd 1 (RS)**	6 sc in MR. Pull the tail to close the ring.	(6 sc)
☐ **Rnd 2**	2 sc in each st around	(12 sc)
☐ **Rnd 3**	**[**Sc in next st, 2 sc in next st**] 6 times**	(18 sc)
☐ **Rnd 4**	**[**Sc in next 2 sts, 2 sc in next st**] 6 times**	(24 sc)
☐ **Rnd 5**	**[**Sc in next 3 sts, 2 sc in next st**] 6 times**	(30 sc)

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☐ **Rnd 6**	**[**Sc in next 4 sts, 2 sc in next st**] 6 times**	(36 sc)
☐ **Rnd 7**	**[**Sc in next 5 sts, 2 sc in next st**] 6 times**	(42 sc)
☐ **End**	Slip stitch in the next stitch. Fasten off, leaving a tail of 35 in (89 cm) for sewing.	

Boiler

Yarn E, deep navy.

☐ **Foundation**	Ch 5, leaving a tail of 6 in (15 cm) before the first chain.	
☐ **Row 1 (RS)**	Sc in 2nd ch from hook and in each ch across	(4 sc)
☐ **Rows 2 to 3** 2 3	Ch 1, turn; sc in each st across	(4 sc)
☐ **End**	Fasten off, leaving a tail of 20 in (51 cm) for sewing.	

Cabin

Yarn E, deep navy.

☐ **Foundation**	Ch 5, leaving a tail of 6 in (15 cm) before the first chain.	
☐ **Row 1 (RS)**	Sc in 2nd ch from hook and in each ch across	(4 sc)
☐ **Rows 2 to 5** 2 3 4 5	Ch 1, turn; sc in each st across	(4 sc)
☐ **End**	Fasten off, leaving a tail of 20 in (51 cm) for sewing.	

Chimney

Yarn E, deep navy.

☐ **Foundation**	Ch 3, leaving a tail of 6 in (15 cm) before the first chain.	
☐ **Row 1 (RS)**	Sc in 2nd ch from hook and in each ch across	(2 sc)
☐ **Row 2**	Ch 1, turn; sc in each st across	(2 sc)
☐ **End**	Fasten off, leaving a tail of 15 in (38 cm) for sewing.	

Roof

Yarn C, bandana red.

☐ **Foundation**	Ch 6, leaving a tail of 6 in (15 cm) before the first chain.	
☐ **Row 1 (RS)**	Sc in 2nd ch from hook and in each ch across	(5 sc)
☐ **End**	Fasten off, leaving a tail of 15 in (38 cm) for sewing.	

Window

Yarn B, paper white.

☐ **Foundation**	Ch 3, leaving a tail of 6 in (15 cm) before the first chain.	
☐ **Row 1 (RS)**	Sc in 2nd ch from hook and in each ch across	(2 sc)
☐ **Row 2**	Ch 1, turn; sc in each st across	(2 sc)
☐ **End**	Fasten off, leaving a tail of 15 in (38 cm) for sewing.	

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Large wheel

Yarn C, bandana red.

☐ **Foundation**	Make a magic ring.	
☐ **Rnd 1 (RS)**	6 sc in MR. Pull the tail to close the ring.	(6 sc)
☐ **Rnd 2**	2 sc in each st around	(12 sc)
☐ **End**	Slip stitch in the next stitch. Fasten off, leaving a tail of 15 in (38 cm) for sewing.	

Small wheel: make 2

Yarn C, bandana red.

☐ **Foundation**	Make a magic ring.	
☐ **Rnd 1 (RS)**	6 sc in MR. Pull the tail to close the ring.	(6 sc)
☐ **End**	Slip stitch in the next stitch. Fasten off, leaving a tail of 15 in (38 cm) for sewing.	

Assembly

1. Crown seam: fold the crown in half with the right side in, so that the last row lies against the beginning chain. With the long tail whip stitch them together from end to end, one stitch of the last row to one chain. Turn it right side out: it is a wide striped tube of 96 rows. Its lower edge is the one at which the yarns were changed.

2. Top: the upper edge of the tube is gathered into the round top, 3 row ends to every stitch: the top has 32 stitches and the tube 96 rows. Pin the last round of the top to the upper edge of the tube, right sides out, at 2 places opposite each other: the line where the rounds of the top are joined at the seam of the tube, and the opposite points together. 16 stitches of the top and 48 rows of the tube lie between the two pins. With the long tail of the top sew them together from the outside, over and over, the needle going each time under the top of one stitch and through the ends of the next 3 rows together, so that the tube is drawn into small pleats, which spread out like rays from the red edge of the top.

3. Band: hold the band with its beginning chain at the top. The lower edge of the tube is gathered into this chain, 3 row ends to every 2 chains: the band has 64 chains. Pin the seam of the tube to the line where the rounds of the band are joined, which is the middle of the back, and pin the opposite points together, 32 chains and 48 rows from there; then pin the two quarters, 16 chains and 24 rows farther on. With a strand of yarn A 55 in (140 cm) long sew from the outside, over and over, through the two free loops of a chain each time, the V that round 1 left free: 1 row end to the first chain, 2 row ends together to the next, and so on in turn.

4. Edging of the peak: the wrong sides of the two layers lie together, row on row. Lay the tails at the last row of each peak between the two layers, where the edging closes them in. For a stiffer peak cut the plastic canvas to the shape of the peak, about ¼ in (0.5 cm) smaller all round, and slip it between the layers too. With the outer peak facing you and the crown at the bottom, leave a tail of 6 in (15 cm) and join yarn A with a slip stitch at the right-hand end of row 1, through both layers, and ch 1. Work through both layers: up the side 1 single crochet in the end of each row (8), 1 in each stitch of the last row (18), down the other side 1 in the end of each row (8): 34 single crochet. Slip stitch in the edge of the band and fasten off, leaving a tail of 6 in (15 cm). Run the ends of the edging in between the two layers of the peak.

5. Top button: sew it to the center of the top, right side up, by the stitches of its last round.

6. Badge with a train: the train is sewn to the right side of the badge before the badge is sewn to the cap. Weave in the beginning end of every piece first, on its wrong side; only its long tail is left to sew with. Lay the badge with its last stitch at the bottom and pin the pieces on it, their right sides up and their beginning chains down, in this order. Boiler and cabin: they stand side by side, their lower edges on a line 2 rounds below the center of the badge, the boiler at the left, 4 stitches wide and 3 rows high, the cabin at the right of it, 4 stitches wide and 5 rows high; together they are 8 stitches wide and lie in the middle of the badge, with the same room at both sides. Chimney: on the upper edge of the boiler, over its second and third stitches from the left, 2 rows high. Roof: on the upper edge of the cabin, so that

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half a stitch of it stands out at each side. Window: on the cabin, over its second and third stitches and over its rows 3 and 4, so that 1 stitch of the cabin shows at each side of it and 1 row above it. Sew all these down round their edges.

7. Wheels: the large wheel lies over the lower part of the cabin, its center in the middle of row 1 of the cabin, between the second stitch and the third. It is sewn on over the window: the top of the wheel covers the middle of the window's lower edge, half a row deep. The two small wheels lie over the lower edge of the boiler: the top of each reaches to the middle of row 1 of the boiler, the center of one of them on the line between the first stitch from the left and the second, the center of the other on the line between the third and the fourth; their edges almost touch. All three then stand on one line, about a row and a half below the lower edge of the boiler and the cabin. Sew them down by the tops of the stitches of their last round.

8. Pin the badge to the front of the crown, right side up: its center lies straight above the middle of the front, opposite the seam, 9 stitches up from the band, counted along a row of the crown, so that all of it, from its lower edge to its upper edge, lies on the striped crown. Let the pleats of the crown lie flat under it. Sew it down all round by the tops of the stitches of its last round.

Finishing

- Weave in every end on the inside of the cap.

In all: 13 pieces; 2,851 stitches.

Found a mistake in this pattern? Tell us at flossfield.com, under Make a request.

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