

## Train Engine


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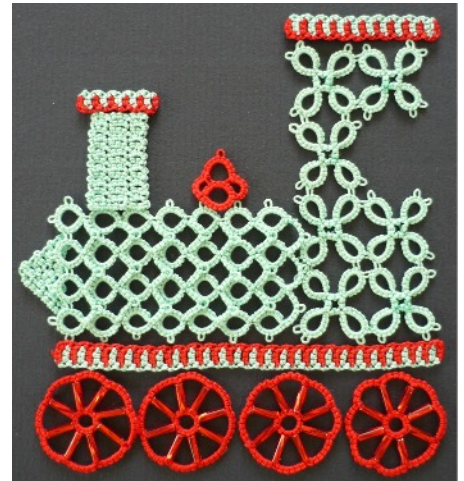
This train engine measures 4½ x 4¾ inches (115 mm x 120 mm) when worked in size 20 thread.

### Requirements:

Size 20 thread in two colours, 32 ¼ inch (6 mm) bugle beads, a fine crochet hook (size 0.4), at least two shuttles a paper clip or safety pin and the usual tatting equipment.

### Abbreviations:

**CTM** = continuous thread method  **SH.** = shuttle  
**R.** = Ring, **SR.** = split ring, **/** = where to change shuttles to work the second side of the split ring, **SCMR** = self closing mock ring,  
**p** = picot, **sp** = small picot, **vsp** = very small picot, LP = long picot, **CH.** = Chain,  
**cl** = close ring, **RW** = reverse work, **DNRW** = do not reverse work, **±** = join, **sj** = shuttle join,  
**SS.** = swap shuttles, **SLT** = shoe lace trick, **T.W.O.** = turn work over like turning the page of a book

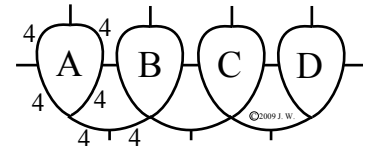


### Body of the Engine

Wind two shuttles CTM with about 4 metres on each shuttle.

#### Row 1

SH.1 R.A 4, (p, 4) x 3, cl, RW  
 CH. 4, p, 4, RW  
 \*R.B 4, + to previous ring, 4, p, 4 p, 4, cl, RW  
 CH. 4, p, 4, RW

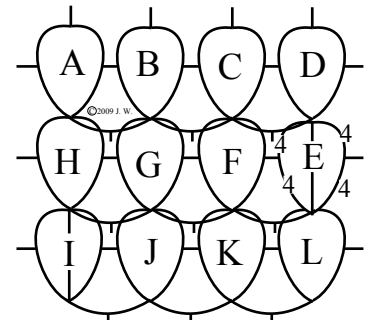


Repeat from \* twice more omitting the 'RW' after ring 'D'.

Turn work round to work the split ring at the start of the next row

#### Row 2

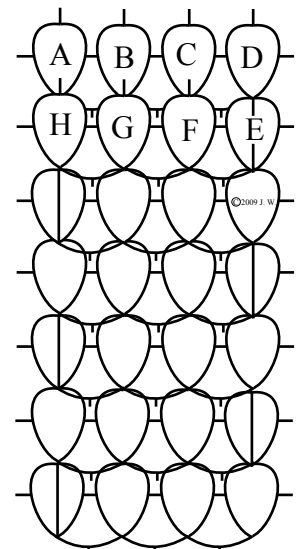
SR.E 4, p, 4 / 4, p, 4, cl, DNRW, SS  
 SH.2 CH. 4, p, 4, RW  
 R.F 4, + to ring 'E', 4, + to the small space between the chains at the base of ring 'C', 4, p, cl, RW  
 CH. 4, p, 4, RW  
 R.G 4, + to ring 'F', 4, + to the small space between the chains at the base of ring 'B', 4, p, cl, RW  
 CH. 4, p, 4, RW  
 R.H 4, + to ring 'G', 4, + to the small space at the start of the chains at the base of ring 'A', 4, p, 4, cl,



Turn work round to work the split ring at the start of the next row

#### Row 3

SR.I 4, p, 4 / 4, p, 4, cl, DNRW, SS  
 SH.1 CH. 4, p, 4, RW  
 R.J 4, + to ring 'I', 4, + to the small space between the chains at the base of ring 'G', 4, p, cl, RW  
 CH. 4, p, 4, RW  
 R.K 4, + to ring 'J', 4, + to the small space between the chains at the base of ring 'F', 4, p, cl, RW  
 CH. 4, p, 4, RW  
 R.L 4, + to ring 'K', 4, + to the small space at the start of the chain after ring 'E', 4, p, 4, cl,



Turn work round to work the split ring at the start of the next row

Work rows 2 and 3 twice more so that there will be 7 rows altogether.

Cut, tie and secure the ends then bring all the chains through to one side.

## Cab

Fill your shuttle then cut from the ball leaving a 12 inch (30 cm) tail which is to be used as the auxiliary thread when working the chain.

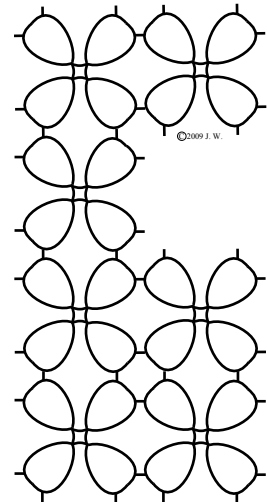
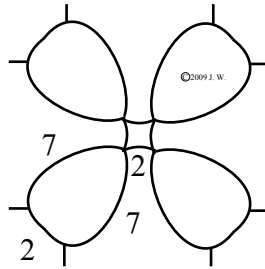
\*R. 7, p, 2, p, 7, cl, RW

CH. 2, RW

Repeat from \* three times more.

Cut and tie to the base of the first ring.

Make six more motifs joining them together as in the diagram on the right.



## Funnel

The funnel is worked using the technique 'block tatting'.

Wind about a metre of thread on your shuttle. Start the first row using a

paper clip (or safety pin) as an anchor and to make a very small picot for the sj at the end of row 2.

### Row 1

CH. 2, vsp, 3, vsp, 2; spread the stitches out a bit so that the chain doesn't curve, SLT, T.W.O

### Row 2

CH. 2, sj to the first vsp, 3, sj to the next vsp, 2, remove the paper clip and work a sj into the picot, SLT, T.W.O.

### Row 3

CH. 2, sj to the small space above the sj on the previous row, 3, sj into the small space above the next sj on the previous row, SLT, T.W.O.

Repeat row 3 10 times more (or desired length).

Omit the SLT and T.W.O. at the end of the of the final row.

Cut, tie and secure the ends.

## Body front

Wind about 12 inches (30 cm) on your shuttle. Do not cut.

Use a paper clip as an anchor as for the funnel.

**Row 1** CH. 2, (vsp, 2) x 3, spread the stitches out a little so that the chain does not curve, SLT, T.W.O.



**Row 2** CH. 1, sj to first picot on row '1', (2, sj in next vsp) x 2, 2, remove the paper clip and sj to the small loop left by the paper clip, SLT, T.W.O.



**Row 3** CH. 1, vsp, 2, sj to the small space in the chain above the sj on row '2', (2, sj to the space in the chain above the next sj on row '2') x 2, SLT, T.W.O.



**Row 4** CH. 1, sj to the small space in the chain above the first sj on previous row, (2, sj to the space in the chain above the next sj) x 2, SLT, T.W.O.



**Row 5** CH. 1, vsp, 2, sj to the small space in the chain above the sj on previous row, 2, sj to the space in the chain above the next sj on previous row, SLT, T.W.O.



**Row 6** CH. 1, sj to the small space in the chain above the first sj on previous row, 2, sj to the space in the chain above the next sj, SLT, T.W.O.



**Row 7** CH. 1, vsp, 2, sj to the small space in the chain above the sj on previous row, SLT. T.W.O.



**Row 8** CH. 2, cut and tie to the vsp on row 7.  
Secure the ends



The front of the engine will need to be rotated to sit at the front of the body of the engine.



### **Base for the body of the engine and cab to rest on**

Fill two shuttles with contrasting coloured threads and knot them together or work over the ends as you go.

**SH.1** CH. 1, vsp, 3, SS, T.W.O.

**\*SH.2** CH. 1, vsp, sj to the vsp on the previous row, SS, T.W.O.

**SH.1** CH. 1, vsp, sj to the vsp on the previous row, SS, T.W.O.

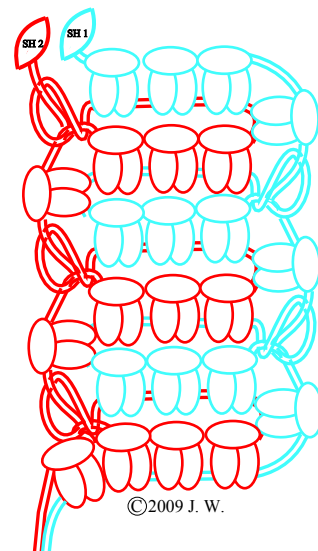
Repeat from \* about 24 times or for the desired length (see picture on page 1).

Cut and secure the ends

### **Roof of the cab**

Work as for the base but for only 9 repeat.

Cut and secure the ends.



### **Top of the funnel**

The top of the funnel is worked the same as the base but with only 2 double stitches instead of 3 on each row.

**SH.1** CH. 1, vsp, 3, SS, T.W.O.

**\*SH.2** CH. 1, vsp, sj to the vsp on the previous row, SS, T.W.O.

**SH.1** CH. 1, vsp, sj to the vsp on the previous row, SS, T.W.O.

Repeat from \* four times more

Cut and secure ends.

### **The regulator**

Wind about ½ metre on your shuttle. Do not cut.

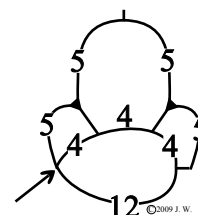
On the diagram the arrow indicates the start of the SCMR.

SCMR. 4, sp, 4, sp, 4, vsp, 12, cl, DNRW, SLT,

CH. 5, sj to the first sp, 5, p, 5, tension to curve like in the diagram, sj to the next sp, 5,

Cut and tie to the vsp on the SCMR.

Secure the ends.



## Wheels

Cut a picot gauge for the long picots, it should be just a little wider than the height of a bugle bead (and about 2 inches / 5 cm long).

String one of the bugle beads then wind about ½ metre onto your shuttle, leaving the bugle bead on the 'ball' thread. Do not cut.

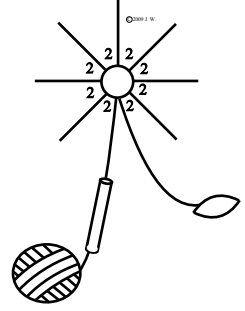
Start with a SCMR (Fig 1)

SCMR 2, (LP, 2) x 7, cl

Unwind the shuttle, then thread the end onto a fine needle and pass the needle through the bugle bead - away from the SCMR. (Fig 2)

Wind the thread on the shuttle again, and move the bugle bead up close to the SCMR (Fig 3) and work a lock stitch

**Fig 1**



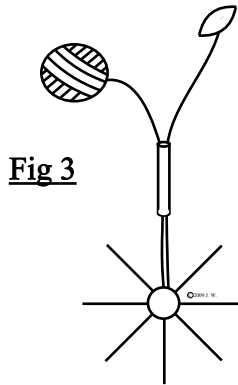
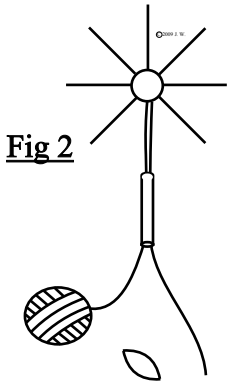
\*CH. 6, add a bugle bead to the first LP, using a fine crochet hook, and make a sj into the LP (fig 4)

Repeat from \* 6 times more.

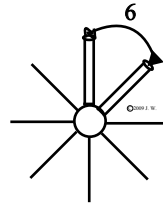
CH. 6, cut and tie to the lock stitch at the start of the row (Fig 5)

Secure the ends.

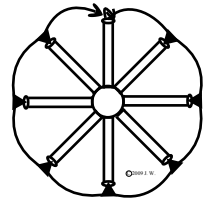
Work 3 more wheels.



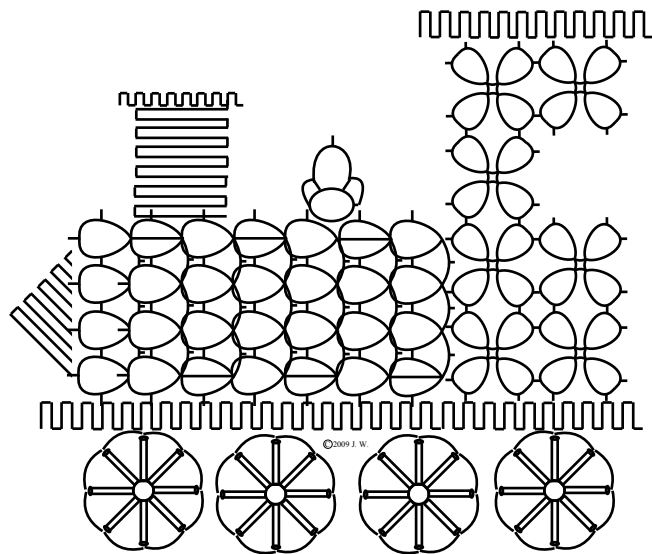
**Fig 4**



**Fig 5**



Block all the pieces then arrange as in the picture.



The diagrams for the tender, carriages and guard's van are on a separate pattern.