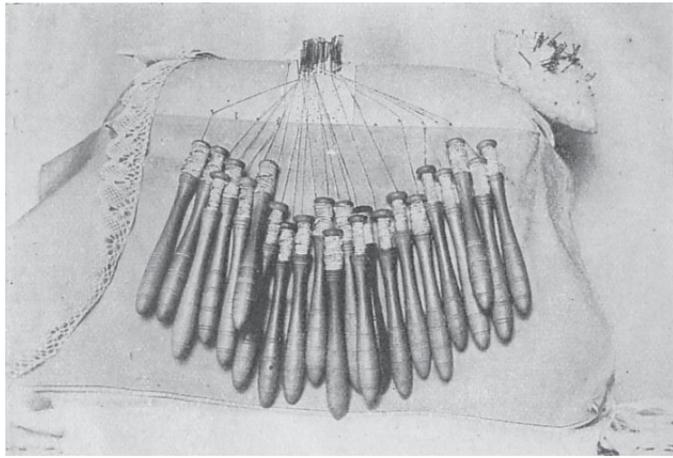


TORCHON LACE=WORK

A. M. SIME

GULAB SINGH & SONS

LAHORE



PILLOW AND BOBBINS.

HINTS FOR BEGINNERS
ON
TORCHON LACE-WORK

PART I.

BY
A. M. SIME.

SPECIALLY WRITTEN FOR YOUNG WOMEN AND GIRLS' SCHOOLS IN INDIA

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TORCHON LACE-WORK.

INTRODUCTION.

Use and Pleasure of the Occupation.—Real torchon lace is made of linen threads by hand on a pillow, and is the most durable and effective lace possible for trimming ladies' and children's underlinen, toilet-covers, bags, and other fancy articles. The coarse lace made in coloured flax threads, which is so much used for trimming linen dresses, is made in the same way. The art is not difficult to acquire; and when the stitches have been learnt, and the general principles of the work understood, the worker can copy any of the numerous pretty patterns now to be seen everywhere. With a little experience she should be able also to design new patterns for herself. It may well become an industry amongst those who have time to devote to it, and who will be glad of a most pleasant means of adding to their resources or making a living. All pillow lace-work is most fascinating, and the worker finds the hours slip away whilst she watches the growth of the lace marked by pins. The cost of materials is trifling after the few necessaries have been purchased, and the lace always commands a ready sale.

Articles required.—The following are the articles required for torchon lace :—

- A pillow, four cover-cloths, and a small pin-cushion.
- Bobbins, 18 pairs for a beginner.
- A wheel for winding the bobbins.
- Suitable linen threads and pins.
- A sheet of sectional drawing-paper, and a sheet of 'glazed board.'

The Pillow.—The pillow can be made at home, though it is better to purchase one if possible. It is made of coarse white cloth or ticking, tightly stuffed with wheat straw. It should be about 15 inches long and 24 inches round. An outer case of blue linen or zephyr keeps the pillow clean. It should be made with a hem at either end, and a drawing tape run into the hems. The case should be removed occasionally, washed, and replaced. The cover-cloths should be of the same material, about the size of a handkerchief. A yard of zephyr makes four cover-cloths. The small pin-cushion should be of the same material, with a tongue to pin it to the pillow.

In India a padded board on which to rest the pillow has been found advantageous. An illustration of the pillow and board is given below (Fig. 1). A rod is passed through the centre of the pillow and is tied by means of tapes attached to the board at both ends.

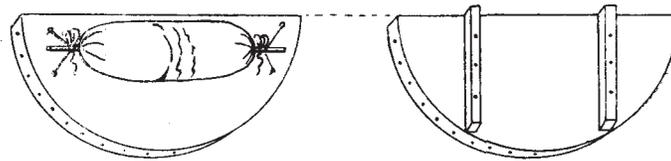


FIG. 1.

Bobbins.—There are several kinds of 'bobbins,' but the pattern given in the illustration (Fig. 2) is recommended, as

the sheath covers the thread and keeps it clean. An intelligent carpenter in the bazaar will be able to copy the bobbin and sheath, either from a pattern one, or from the illustration. The bobbins should be about 6 inches long. The sheath can be made either of bamboo or strong reed.

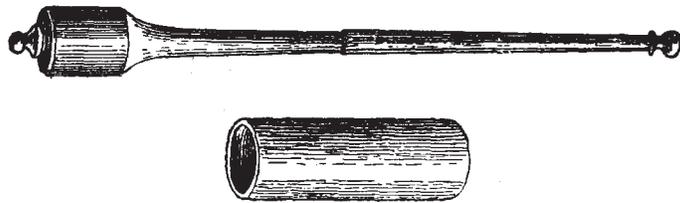


FIG. 2.

Winding the Bobbins.—The instructions given below are for the kind of bobbin shown in illustration (Fig. 2). The thread is usually in large skeins, and it is difficult to keep it from getting entangled. It is therefore convenient to wind it on to a large piece of cardboard whilst the skein is held by someone. After this has been done make a slip-loop at the end of the thread and pass it over the bobbin. Hold the neck of the bobbin and wind towards the *left* until it is quite full; cut the thread and put on the sheath, drawing the thread through it. Before laying it aside make a half-hitch (the instructions for which are given below) to prevent the thread running off the bobbin. Sometimes two half-hitches are required to hold the thread in place. For coarse thread the bobbin illustrated below (Fig. 3) is recommended, as it holds more thread and is easy to handle. For winding, wrap a little of the thread round the neck of the bobbin and wind towards the *right*. Fill the bobbin as full as possible, cut the thread, and then wind off half the thread on to another bobbin, taking care to wind towards

the *right*, so forming a pair. Before laying them aside make a half-hitch on each bobbin to prevent the thread running off.



FIG. 3.

Winding Wheel.—A winding wheel will be found very useful when many bobbins are to be filled. An illustration of a winding wheel with skein of thread and bobbin placed for winding is given in Fig. 4. After placing the skein in position, wrap a little of the thread round the neck of the bobbin and

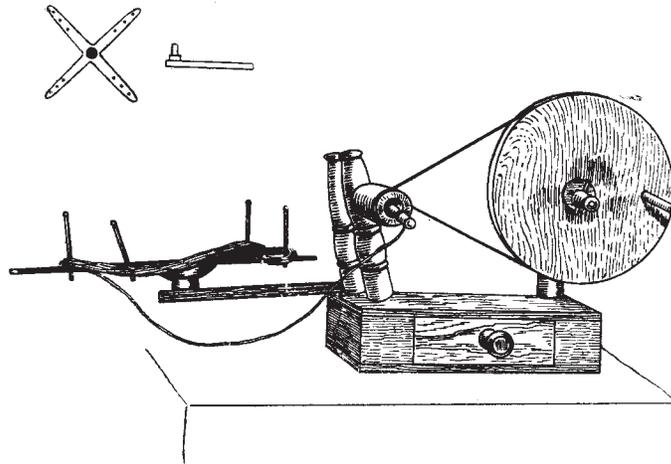


FIG. 4.—WHEEL WITH SKEIN OF THREAD AND BOBBIN PLACED FOR WINDING.

fix the other end of it in the revolving arm, holding the thumb of the left hand against the head of the bobbin to keep it in place. A fold of paper wrapped round the bobbin so as to fix

it in the arm is necessary, as it must be quite steady. Turn the wheel and fill the bobbin. A little practice will soon render this easy.

Attaching the Bobbins.—Tie two bobbins together by making a knot at the end of the threads, and a second knot about an inch from the first. The inner knot should be hung on the pin, and the outer one pinned out so as to steady the threads. This is a simple way of avoiding the inconvenience of having the knots slipping into the lace on commencing to work.

Half-hitch.—Hold the bobbin in the left hand, place the first finger of the right hand under the thread, pointing away from you, and then bring it round pointing towards you, so forming a loop, which place over the neck of the bobbin

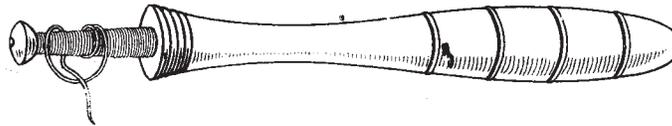


FIG. 5.

and draw up. Though half-hitch holds the thread in place, by relaxing the pull on the bobbin and turning it towards the left, the thread can be made to run as required. After the bobbins have once been used, the threads are cut, and they are no longer in pairs. They can be tied together in bunches of several pairs, pinned at the top of the design, and the threads brought into place by a row of pins, as directed in the instructions for working the lace. Fig. 5 shows the bobbin with the thread at half-hitch.

Threads and Pins.—A skein of crochet thread and a box of pins are all that is needed to enable anyone to work. A list of suitable linen threads and pins for torchon lace-work will be found at the end of this introduction.

Sectional Drawing Paper, &c.—As will be seen when you come to the working out of patterns, an illustration of the lace and the design of the pattern are given in the margin in connection with each example worked out. The design is shown on sectional drawing paper ruled in spaces of one-eighth of an inch. A copy can easily be taken on similar paper, or, where finer work is preferred, on a smaller scale. For a beginner it would be advisable to work on the larger scale named, as the design is clearer and the size of the threads recommended is suitable to that scale. After sketching the design it should be pasted on to a strip of 'glazed board' and a hole pricked in each dot. When the design has been prepared it should be pinned right round the centre of the pillow, and the pattern made to meet. It is convenient to work round the pillow, rolling up the lace as it proceeds. Should the *pattern* not meet exactly, slip off the outer case of the pillow, and bind a fold of flannel or serge to the required size, and replace the case. By placing a strip of glazed board under the design and pricking the pattern, any number of copies can be made from it. The lines marking the design should then be sketched in.

Dressing the Pillow.—After the design has been pinned round the pillow, a folded cover-cloth should be pinned across, showing only a little of the design, so that the bobbins may rest upon it, and the pillow be protected from being soiled. It should frequently be removed and replaced by a clean cloth. Another cloth should always be at hand to cover the pillow with when not in actual use. Too much care cannot be taken to keep the lace clean. An extra larger cloth to wrap the pillow in when putting it away for the night saves it from much dust.

The Warp and Woof of the Lace.—It will be observed that in working with the bobbins some of the threads hang straight down, whilst others run horizontally, and so form the web of the cloth. The former are called ‘passives’ or ‘hangers,’ and the latter ‘workers.’ In half-stitch cloth only one of the pair of threads is carried horizontally across the cloth, and is paired with a fresh bobbin at every stitch. In cloth-stitch two threads are carried horizontally across the cloth, and remain a *pair* from first to last. In torchon stitch the *pairs* do not change, but are worked diagonally across the lace.

A Weaver's Knot.—Hold the end of the right thread under the left between the left 1st finger and thumb; make a loop round the thumb with the right-hand thread, and bring it back from behind the left short end between the short threads held by the left hand, and hold firmly. Draw up the loop; pass the right short thread end through it, and tighten the loop between the finger and thumb whilst still holding the ends firmly. A slight catch will be perceived between the finger and thumb if the knot has been properly formed. A ‘weaver’s’ knot is made when the thread on any of the bobbins is used up and a fresh thread has to be joined to the end of the used one.

Broken Threads.—If a thread breaks and is long enough to tie into a weaver’s knot, it is best to deal so with it. The knot can be brought to the straight edge of the lace by an extra twist or two whilst working, and will scarcely be seen. If the thread breaks close to the lace, a little of the work must be undone so as to leave an inch or two of the broken thread to be afterwards tied. A loop must be made at the end of the bobbin thread and attached to the pillow by a pin, the thread being hung as before it was broken. After an inch or more of

the lace has been worked, the broken threads should be tied together with a flat knot, thus—



close to the lace before the pins are removed. Knots cannot be made in the middle of a space worked in half-stitch. As the right side of the lace is next to the pillow, knots carefully tied are not much noticed, as they come at the back of the lace.

Position whilst Working.—Care should be taken to avoid stooping over the pillow. It is best to sit in a low chair, resting the pillow on the lap.

Threads for Different Scales.—The sizes of threads suitable to the different scales of work are as follows:—

For $\frac{1}{8}$ inch scale, numbers in 3-cord, 40 to 60;

For $\frac{1}{6}$ inch scale, numbers in 3-cord, 60 to 80;

For $\frac{1}{2}$ inch scale, numbers in 3-cord, 80 to 110.

When 2-cord threads are used, numbers 30 to 50, 50 to 70, and 70 to 100 would suit the above scales, respectively.

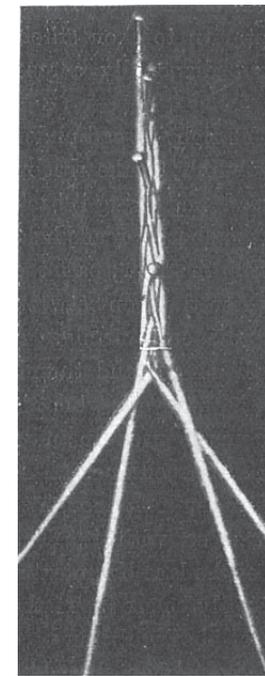


FIG. 6.—PATTERN OF HALF-STITCH.

Half-stitch.—Hang two pairs of bobbins on a pin at *a*, and cross the right thread of each pair over the left. Count

the bobbins from the left—one, two, three, four,—and remember that, in constantly changing places, they are to be counted as they lie at the moment. There are three parts in half-stitch:—

- a. (1), Cross the 2nd bobbin over the 3rd, *using the left hand.*
 (2 and 3), Cross the 2nd bobbin over the 1st, and the 4th over the 3rd, *using both hands simultaneously.*

It will be observed that the *pairs* are not now the same as before, and that the left thread of each pair is crossed over from the right. Put a pin in the next hole, between the pairs, and work another half-stitch by repeating from a. Repeat this stitch until it is thoroughly understood. The half-stitch worked after putting in a pin is called 'inclosing the pin.' Two half-stitches worked without putting in a pin is called a 'double.'

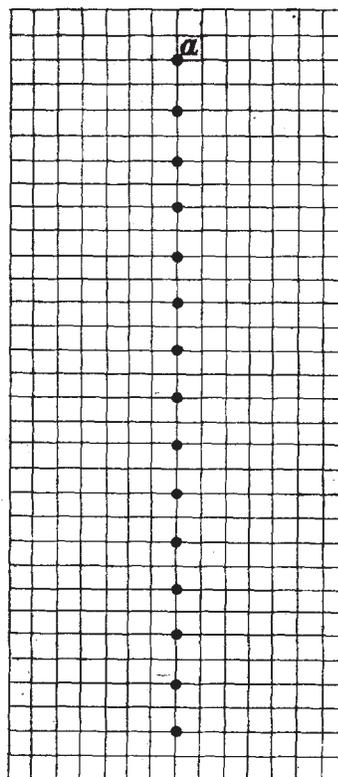


FIG. 7.—DESIGN FOR HALF-STITCH.

Half-stitch Cloth.—Use five pairs of bobbins, hanging a pair at each of the pins at *a, b, c, d, e* in the design, a copy of which should be made and pinned in the centre of the

pillow, with a strong piece of brown paper under it to keep it firm.

b. Work a half-stitch with the 1st and 2nd pairs ; lay aside the 1st pair to the left. Work a half-stitch with the 2nd and

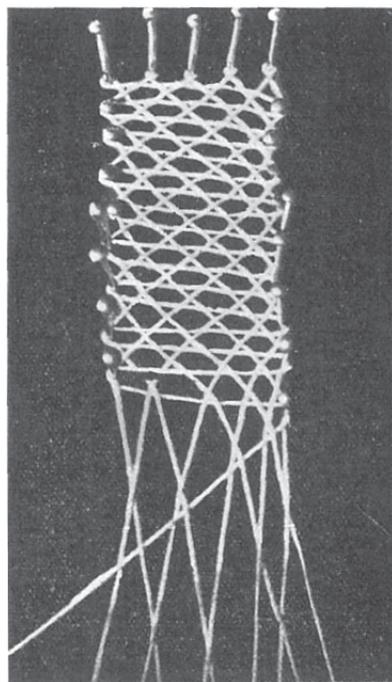


FIG. 8.—PATTERN OF HALF-STITCH CLOTH.

3rd pairs ; lay aside the 2nd pair to the left. Work a half-stitch with the 3rd and 4th pairs ; lay aside the 3rd pair. Work a half-stitch with the 4th and 5th pairs ; put a pin in the top hole at the right between the 4th and 5th pairs. (Notice that one thread in the 5th pair has come right along from the 1st pair and is the 'worker'.) Twist the 5th pair once to the left, and inclose the pin. This extra twist to the 5th pair is necessary to bring the 'worker' forward (which should be marked in some way), as the same thread should be carried on in straight lines backwards and for-

wards *throughout* the piece of cloth. After inclosing the pin at the right, lay aside the 5th pair to the right, and work a half-stitch with the 4th and 3rd pairs ; lay aside the 4th pair, and work a half-stitch with the 3rd and 2nd pairs ; lay aside

the 3rd pair, and work a half-stitch with the 2nd and 1st pairs ; put a pin in the top hole to the left between the 1st and 2nd pairs ; twist the 1st pair once to the left, so as to bring the worker forward, and repeat from **b**. Continue to work backwards and forwards in the same way until an inch or two of cloth is made. Tie each pair separately close up to the cloth, and cut them off.

Cloth-stitch Cloth (This stitch is also called 'whole' stitch).—Use five pairs of bobbins, hanging a pair at each of the pins at *a, b, c, d, e* in the design, a copy of which should be made and pinned in the centre of the pillow, with a strong piece of brown paper under it to keep it firm. Count the bobbins from the left—one, two, three, four.

There are four parts in cloth-stitch :—

- (1), Cross the 2nd bobbin over the 3rd, *using the left hand.*
- (2 and 3), Cross the 2nd bobbin over the 1st, and the 4th over the 3rd, *using both hands simultaneously.*
- (4), Cross the 2nd bobbin over the 3rd, *using the left hand.*

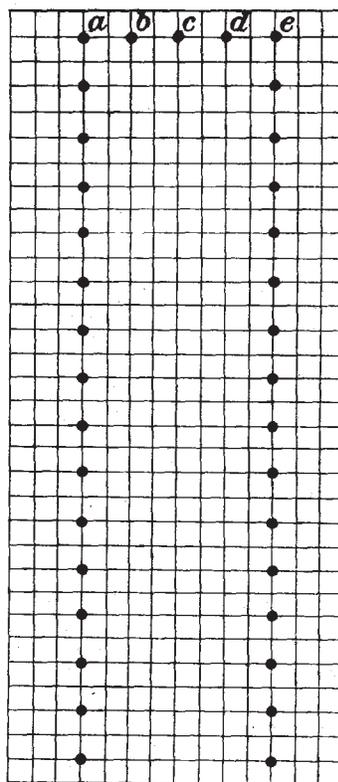


FIG. 9.—DESIGN FOR HALF-STITCH CLOTH.

(Observe that the pairs have changed places and that the threads have become crossed as in a piece of cloth.) Lay aside the 1st pair, and work a cloth-stitch with the 2nd and 3rd pairs; lay aside the 2nd pair, and work a cloth-stitch with the 3rd and

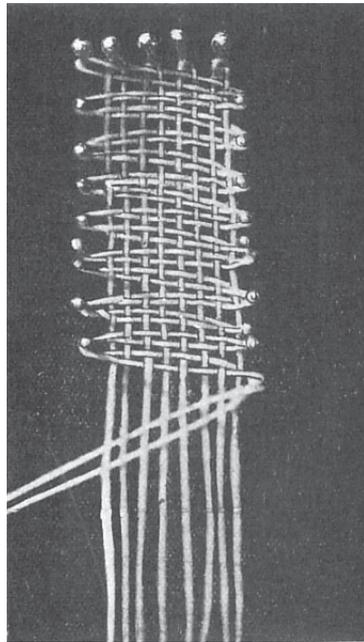


FIG. 10.—PATTERN OF CLOTH-STITCH CLOTH.

4th pairs; lay aside the 3rd pair, and work a cloth-stitch with the 4th and 5th pairs; put a pin in the top hole to the right between the 4th and 5th pairs. The pair of threads that have come across (which were the original 1st pair) are the *workers*, and must be carried on throughout the piece of cloth. Twist the 5th pair once, and work a cloth-stitch with the 5th and 4th pairs; continue to work back towards the left in the same way until the 1st pair is reached; put a pin in the top hole at the left; twist the workers once, and continue to

work backwards and forwards in the same way until an inch or two of the cloth is made. Tie each pair separately close to the cloth, and cut them off.

Torchon Stitch.—The ground work of much of torchon lace

is made of an open stitch called 'torchon stitch.' It is formed by the use of half-stitch, placing pins in the holes, and inclos-

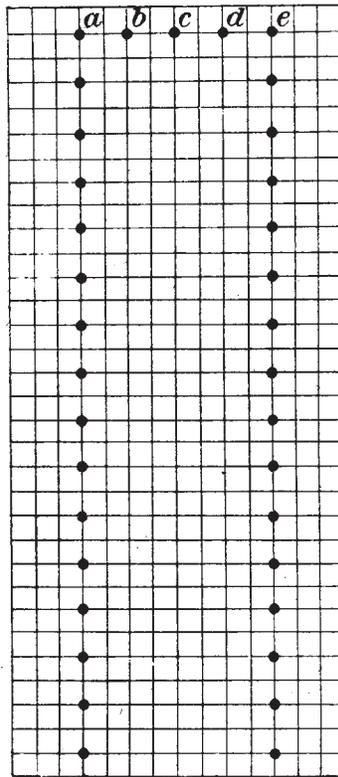


FIG. 11.—DESIGN FOR CLOTH-STITCH CLOTH.

ing them. Use eight pairs of bobbins, hanging two pairs at each of the pins at *a*, *b*, *c*, *d* in the design. Commence at the left. Twist each pair once to the left.

* Work a half-stitch with the 2nd and 3rd pairs ; put a pin in hole 1, and inclose. Work a half-stitch with the 4th and 5th pairs ; put a pin in hole 2, and inclose. Work a half-stitch with the 6th and 7th pairs ; put a pin in hole 3, and inclose.

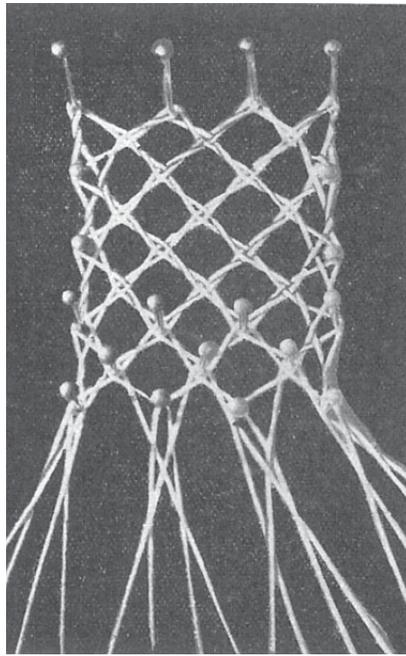


FIG. 12.—PATTERN OF TORCHON STITCH.

Twist the 8th pair twice ; work a half-stitch with the 8th and 7th pairs ; put a pin in hole 4, and inclose. Work a half-stitch with the 6th and 5th pairs ; put a pin in hole 5, and inclose. Work a half-stitch with the 4th and 3rd pairs ; put a pin in hole 6, and inclose. Twist the 1st pair twice ; work a half-

stitch with the 2nd and 1st pairs; put a pin in hole 7, and inclose. Repeat from *. When this stitch is understood, it

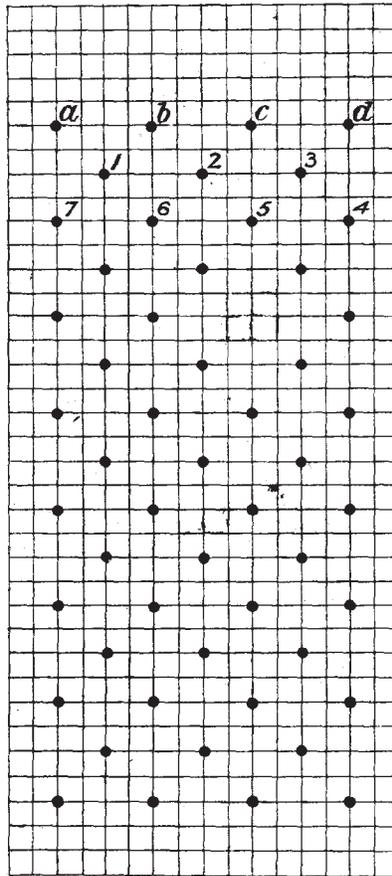


FIG. 13.—DESIGN FOR TORCHON STITCH.

will be found convenient to work it diagonally instead of in straight lines.

The following are the names of some reliable firms from whom lace materials can be had at the prices noted :—

C. Channer
31 Giles' Square
Northampton

Lace Pillows.—2s. 6d., 2s. 9d., 3s. 3d., 3s. 6d., according to size.

Parchment Skin for Patterns, 15 inches wide, 2½d. per inch, 2s. 4½d. per foot.

Glazed Board 20 × 24, 6d. per sheet, 5s. 9d. per dozen.

Pins for Lace Making :—

Short, 1d. packet, 8½d. dozen, 8s. 3d. gross.

Long, 1½d. ,, 1s. 5½d. ,, 17s. 6d. ,,

Linen Gimps and Silks suitable for torchon lace.

² *C.C. Channer*
10^e St. Giles' Square
Northampton

Linen Lace Threads, 1d. the skein. Large skeins for pillow lace-work from 3d. the ounce, the finer threads being more expensive.

Numbers in 2-cord Threads :—16, 20, 25, 30, 35, 50, 60, 70, 80, 100, 110, 140, 180.

Numbers in 3-cord :—16, 18, 20, 25, 30, 40, 50, 60, 70, 80, 110. The higher numbers are the finer.

³ H *C. Channer*
St. Giles' Square
Northampton

Bobbins, in several sizes, from 9d. to 11d. a dozen, or about 8s. or 9s. the gross.

Note: The names above pasted over by C. Channer are E. P. Rose & Son, High Street, Bedford, J. Harris & Sons, Derwent Mills, Cockermouth, and Howard Bros. Chesham, Buckinghamshire.

PATTERNS WORKED OUT

I.—A Narrow Edging.

Bobbins required, 7 pairs.

Design marked *a, b, c*, (Fig. 15).

Hang three pairs at *a*, and two pairs each at *b* and *c*.

* *Ground of Lace to left*.—Work a half-stitch with the 3rd and 4th pairs ; put a pin in hole 1, and inclose it.

x *Straight Edge of Lace*.—Work a half-stitch with the 2nd and 3rd pairs ; put a pin in hole 2, and inclose it ; twist the 1st pair once and work a double with the 1st and 2nd pairs ; take the pin out of hole 2, and replace it between the 2nd and 3rd pairs ; inclose with a double.

For the Diamond.—Work a half-stitch with the 6th and 7th pairs ; put a pin in hole 3 ; *twist the 7th pair once*, and inclose the pin.

NOTE.—The 11th bobbin now becomes the ‘worker,’ and must be carried on throughout the diamond. It should be marked in some way. The extra twist to the outer pair at each edge of the diamond is given so as to bring the ‘worker’ forward. A beginner must be careful to observe this.

Work a half-stitch with the 6th and 5th pairs ; put a pin in hole 4 ; *twist the 5th pair once*, and inclose the pin.

Work a half-stitch with the 6th and 7th pairs ; put a pin in hole 5 ; *twist the 7th pair once*, and inclose the pin.

Pairs 6th, 5th, 4th . . .	hole 6 ; twist and inclose.
„ 5th, 6th, 7th . . .	„ 7 ; „ „
„ 6th, 5th, 4th, 3rd . . .	„ 8 ; „ „
„ 4th, 5th, 6th, 7th . . .	„ 9 ; „ „
„ 6th, 5th, 4th . . .	„ 10 ; „ „
„ 5th, 6th, 7th . . .	„ 11 ; „ „
„ 6th, 5th . . .	„ 12 ; „ „
„ 6th, 7th . . .	„ 13 ; twist and enclose with a double.

Ground to left continued.—Work the *straight edge* again, **x**, putting a pin in hole 14.

Work a half-stitch with the 3rd and 4th pairs ; put a pin in hole 15, and inclose it.

Work the *straight edge* again, **x**, putting a pin in hole 16.

Work a half-stitch with the 4th and 5th pairs ; put a pin in hole 17, and inclose it.

Commence again from the beginning, *.

2.—Vandyke Edging.

Bobbins required, 12 pairs.

Design marked *a, b, c, d, e, f*, (Fig. 17).

Hang 2 pairs at each letter, and inclose the pins.

* *Ground of Lace to Left.*—Work a half-stitch with the 4th and 5th pairs ; put a pin in hole 1, and inclose it.

† *Straight Edge.*—Work a half-stitch with the 2nd and 3rd pairs ; put a pin in hole 2, and inclose it. Twist the 1st pair once, work a double with the 1st and 2nd pairs ; take the pin out of hole 2, replace it between the 2nd and 3rd pairs, and inclose it with a double.

Work a half-stitch with the 3rd and 4th pairs ; put a pin in hole 3, and inclose it.

The Vandyke.—Work a half-stitch with the 11th, 10th, 9th, 8th, 7th and 6th pairs ; put a pin in hole 4 ; twist the 6th pair

once, so as to bring the worker forward, and inclose the pin.
 Work a half-stitch with the 7th, 8th, 9th, 10th, 11th, and 12th

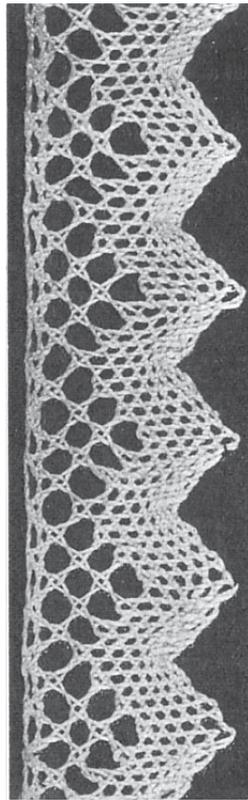


FIG. 16.—PATTERN OF VANDYKE EDGING.

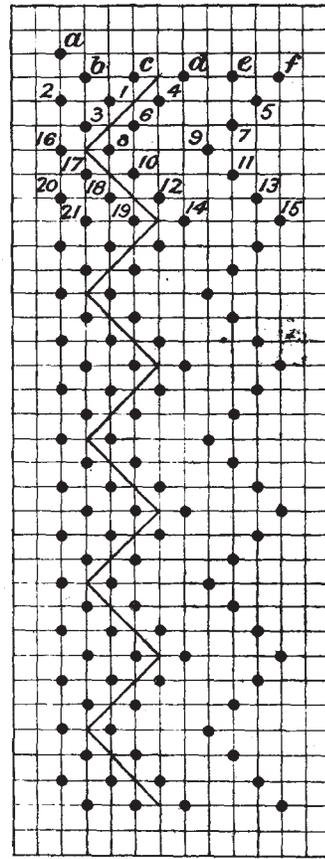


FIG. 17.—DESIGN FOR VANDYKE EDGING.

pairs; put a pin in hole 5; twist the 12th pair once, and inclose the pin.

Work a half-stitch with the 11th, 10th, 9th, 8th, 7th, 6th, and 5th pairs ; put a pin in hole 6 ; twist the 5th pair once, and inclose the pin.

Work a half-stitch with the 6th, 7th, 8th, 9th, 10th, 11th, and 12th pairs ; put a pin in hole 7 ; twist the 12th pair once, and inclose the pin.

Work a half-stitch with the 11th, 10th, 9th, 8th, 7th, 6th, 5th, and 4th pairs ; put a pin in hole 8 ; twist the 4th pair once, and inclose the pin.

Continue to work backwards and forwards in the same way until hole 15 is reached, leaving a pair of bobbins at each turn at the left side of the work, not forgetting to give the extra twist to the pairs at either edge, *and so carrying on the 'worker.'*

Work the straight edge † again, putting a pin in hole 16.

Work a half-stitch with the 3rd and 4th pairs ; put a pin in hole 17, and inclose it.

Work a half-stitch with the 4th and 5th pairs ; put a pin in hole 18, and inclose it.

Work a half-stitch with the 5th and 6th pairs ; put a pin in hole 19, and inclose it.

Work the straight edge † again, putting a pin in hole 20.

Work a half-stitch with the 3rd and 4th pairs ; put a pin in hole 21, and inclose it.

Commence again from the beginning, *.

3.—Insertion for Vandyke Edging.

Bobbins required, 15 pairs.

Design marked *a, b, c, d, e, f*, (Fig. 19).

Hang 3 pairs of bobbins each at *a, d* and *f*, and 2 pairs each at *b, c*, and *e*.

* *Ground of Lace to Left.*—Work a half-stitch with the 4th and 5th pairs ; put a pin in hole 1 and inclose it.

† *Straight Edge of Lace to Left*.—Work a half-stitch with the 2nd and 3rd pairs; put a pin in hole 2, and inclose it. Twist the 1st pair once, and work a double with the 1st and 2nd pairs. Take the pin out of hole 2, replace it between the 2nd and 3rd pairs, and inclose with a double.

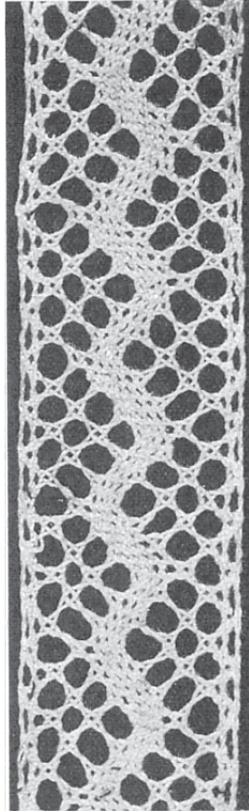


FIG. 18.—PATTERN OF INSERTION FOR VANDYKE EDGING.

Work a half-stitch with the 3rd and 4th pairs; put a pin in hole 3, and inclose it.

Work the straight edge † again, putting a pin in hole 4.

The Vandyke.—Work a half-stitch with the 11th, 10th, 9th, 8th, 7th, and 6th pairs; put a pin in hole 5; twist the 6th pair once, and inclose the pin.

Work a half-stitch with the 7th, 8th, 9th, 10th, and 11th pairs; put a pin in hole 6; twist the 11th pair once, and inclose the pin.

Work a half-stitch with the 10th, 9th, 8th, 7th, 6th, and 5th pairs; put a pin in hole 7; twist the 5th pair once, and inclose the pin.

Work a half-stitch with the 6th, 7th, 8th, 9th, and 10th pairs; put a pin in hole 8; twist the 10th pair once, and inclose the pin.

Work a half-stitch with the 9th, 8th, 7th, 6th, 5th, and 4th pairs; put a pin in hole 9; twist the 4th pair once, and inclose the pin.

Work a half-stitch with the 5th, 6th, 7th, 8th, and 9th pairs ; put a pin in hole 10 ; twist the 9th pair once, and inclose the pin.

Ground of Lace to Right.—Work a half-stitch with the 12th and 13th pairs ; put a pin in hole 11, and inclose it.

Work a half-stitch with the 11th and 12th pairs ; put a pin in hole 12, and inclose it.

Work a half-stitch with the 10th and 11th pairs ; put a pin in hole 13, and inclose it.

‡ *Straight Edge of Lace to Right.*—Work a half-stitch with the 13th and 14th pairs ; put a pin in hole 14, and inclose it. Twist the 15th pair once, and work a double with the 14th and 15th pairs. Take the pin out of hole 14, replace it between the 13th and 14th pairs, and inclose it with a double.

Work a half-stitch with the 12th and 13th pairs ; put a pin in hole 15, and inclose it.

Work the straight edge ‡ again, putting a pin in hole 16.

Work a half-stitch with the 11th and 12th pairs ; put a pin in hole 17, and inclose it.

Work a half-stitch with the 12th and 13th pairs ; put a pin in hole 18, and inclose it.

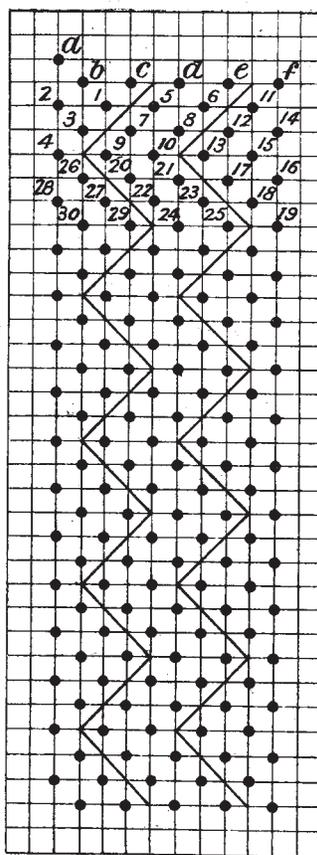


FIG. 19.—DESIGN FOR INSERTION FOR VANDYKE EDGING.

Work the straight edge ‡ again, putting a pin in hole 19.

The Vandyke (continued).—Work a half-stitch with the following pairs, and inclose the pin at either edge of the Vandyke, not forgetting to twist the pair with the *worker*, once at either edge, before inclosing the pin :—

Pairs 8th, 7th, 6th, 5th	hole 20; twist and inclose.
„ 6th, 7th, 8th, 9th, 10th	„ 21; „ „
„ 9th, 8th, 7th, 6th	„ 22; „ „
„ 7th, 8th, 9th, 10th, 11th	„ 23; „ „
„ 10th, 9th, 8th, 7th	„ 24; „ „
„ 8th, 9th, 10th, 11th, 12th	„ 25; „ „

Ground of Lace to Left (continued).—Work a half-stitch with the 3rd and 4th pairs; put a pin in hole 26, and inclose it.

Work a half-stitch with the 4th and 5th pairs; put a pin in hole 27, and inclose it.

Work the straight edge † again, putting a pin in hole 28.

Work a half-stitch with the 5th and 6th pairs; put a pin in hole 29, and inclose it.

Work a half-stitch with the 3rd and 4th pairs; put a pin in hole 30, and inclose it.

Commence again from *.

4. A Narrow Edging with Wheel.

Bobbins required, 11 pairs.

Design marked *a, b, c, d, e, f*, (Fig. 21).

Hang two pairs each at *a, b*, and *f*, one pair each at *c* and *d*, and three pairs at *e*.

* *Commence with the Straight Edge.*—Work a half-stitch with the 2nd and 3rd pairs; put a pin in hole 1, and inclose it. Twist the 1st pair once, and work a double with the 1st and 2nd pairs; take the pin out of hole 1, replace it between the 2nd and 3rd pairs, and inclose with a double.

The Wheel.—Twist the 5th and 6th pairs once, and work a

cloth-stitch with them ; twist the 4th pair once, and work a *cloth*-stitch with the 4th and 5th pairs ; twist the 7th pair once, and work a *cloth*-stitch with the 6th and 7th pairs. Work a

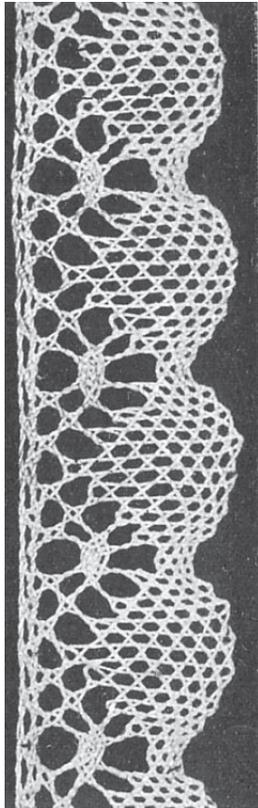


FIG. 20.—PATTERN OF NARROW EDGING WITH WHEEL.

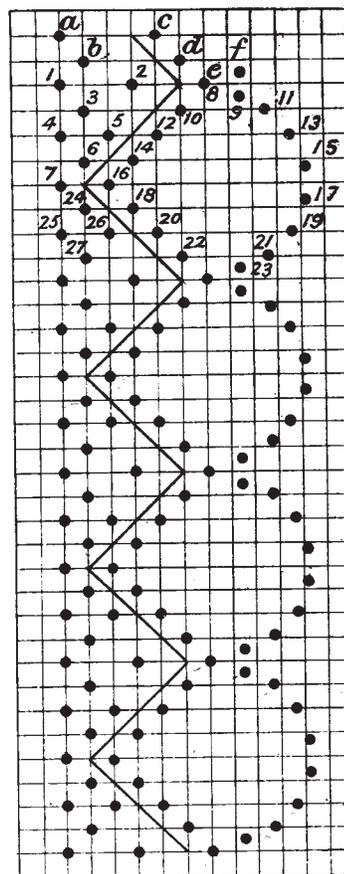


FIG. 21.—DESIGN FOR NARROW EDGING WITH WHEEL.

cloth-stitch with the 5th and 6th pairs; put a pin in hole 2 (the centre of wheel), and inclose with a *cloth-stitch*. Work a *cloth-stitch* with the 4th and 5th pairs; work a *cloth-stitch* into the 6th and 7th pairs; work a *cloth-stitch* with the 5th and 6th pairs. Twist each pair twice, and leave them hanging in their order. *This completes the wheel.*

Work a half-stitch with the 3rd and 4th pairs; put a pin in hole 3, and inclose it.

Work the straight edge again, *, putting a pin in hole 4.

Work a half-stitch with the 4th and 5th pairs; put a pin in hole 5, and inclose it.

Work a half-stitch with the 3rd and 4th pairs; put a pin in hole 6, and inclose it.

Work the straight edge again, *, putting a pin in hole 7.

The Diamond.—Inclose the pin at *f* with the 10th and 11th pairs in the first pattern. Work a half-stitch with the following pairs :—

Pairs 10th, 9th, 8th	hole 8; twist and enclose.
„ 9th, 10th, 11th	„ 9; „ „
„ 10th, 9th, 8th, 7th	„ 10; „ „
„ 8th, 9th, 10th, 11th	„ 11; „ „
„ 10th, 9th, 8th, 7th, 6th	„ 12; „ „
„ 7th, 8th, 9th, 10th, 11th	„ 13; „ „
„ 10th, 9th, 8th, 7th, 6th, 5th	„ 14; „ „
„ 6th, 7th, 8th, 9th, 10th, 11th	„ 15; „ „
„ 10th, 9th, 8th, 7th, 6th, 5th, 4th	„ 16; „ „
„ 5th, 6th, 7th, 8th, 9th, 10th, 11th	„ 17; „ „
„ 10th, 9th, 8th, 7th, 6th, 5th	„ 18; „ „
„ 6th, 7th, 8th, 9th, 10th, 11th	„ 19; „ „
„ 10th, 9th, 8th, 7th, 6th	„ 20; „ „
„ 7th, 8th, 9th, 10th, 11th	„ 21; „ „
„ 10th, 9th, 8th, 7th	„ 22; „ „
„ 8th, 9th, 10th, 11th	„ 23; „ „

Work a half-stitch with the 3rd and 4th pairs; put a pin in hole 24, and inclose it.

Work the straight edge again, *, putting a pin in hole 25.

Work a half-stitch with the 4th and 5th pairs; put a pin in hole 26, and inclose it.

Work a half-stitch with the 3rd and 4th pairs; put a pin in hole 27, and inclose it.

Repeat from the beginning, *.

5. Diamond Insertion with Wheel.

Bobbins required, 16 pairs.

Design marked *a, b, c, d, e, f, g*, (Fig. 23).

Hang three pairs each at *a* and *g*, and two pairs each at *b, c, d, e, f*.

Inclose the pin at *d* with the 8th and 9th pairs.

* *Ground of Lace to Left*.—Work a half-stitch with the 5th and 6th pairs; put a pin in hole 1, and inclose it.

Work a half-stitch with the 3rd and 4th pairs; put a pin in hole 2, and inclose it.

Work a half-stitch with the 4th and 5th pairs; put a pin in hole 3 and inclose it.

† *Straight Edge to Left*.—Work a half-stitch with the 2nd and 3rd pairs; put a pin in hole 4, and inclose. Twist the 1st pair once, and work a double with the 1st and 2nd pairs; take the pin out of hole 4, replace it between the 2nd and 3rd pairs, and inclose with a double.

Work a half-stitch with the 3rd and 4th pairs; put a pin in hole 5, and inclose it.

Work the straight edge † again, putting a pin in hole 6.

Ground of Lace to Right.—Work a half-stitch with the 11th and 12th pairs; put a pin in hole 7, and inclose it.

Work a half-stitch with the 13th and 14th pairs; put a pin in hole 8, and inclose it.

Work a half-stitch with the 12th and 13th pairs; put a pin in hole 9, and inclose it.

‡ *Straight Edge to Right.*—Work a half-stitch with the 14th and 15th pairs; put a pin in hole 10, and inclose it.

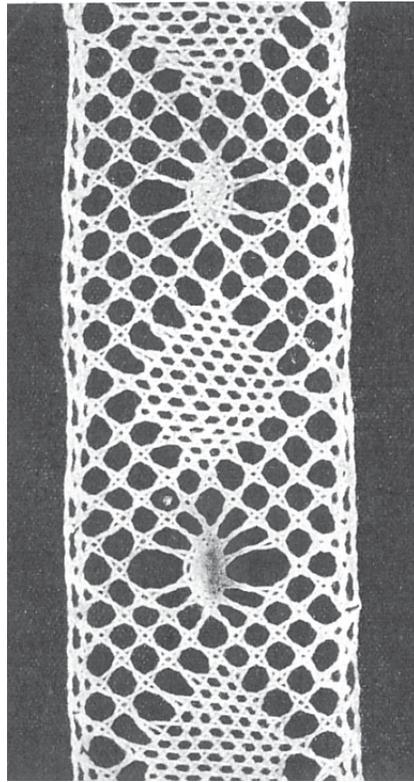


FIG. 22.—PATTERN OF DIAMOND INSERTION WITH WHEEL.

Twist the 16th pair once, and work a double with the 15th and 16th pairs; take the pin out of hole 10, replace it between the 14th and 15th pairs, and inclose with a double.

Work a half-stitch with the 13th and 14th pairs; put a pin in hole 11, and inclose it.

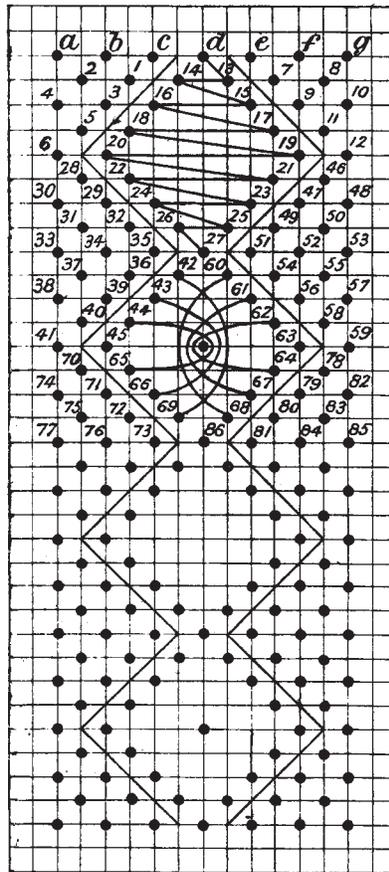


FIG. 23.—DESIGN FOR DIAMOND INSERTION WITH WHEEL.

Work the straight edge ‡ to right again, putting a pin in hole 12.

The Diamond.—Work a half-stitch with the 8th, 9th and 10th pairs ; put a pin in hole 13 ; twist the 10th pair once, and inclose the pin. Work a half-stitch with the 9th, 8th, and 7th pairs ; put a pin in hole 14 ; twist the 7th pair once, so as to bring the worker forward, which should be carried on throughout the diamond, and inclose the pin. Work a half-stitch with the following pairs until hole 20 is reached, not forgetting the extra twist at each edge of the diamond :—

Pairs	8th, 9th, 10th, 11th	.	.	.	.	.	hole 15
„	10th, 9th, 8th, 7th, 6th	.	.	.	.	.	„ 16
„	7th, 8th, 9th, 10th, 11th, 12th	.	.	.	.	.	„ 17
„	11th, 10th, 9th, 8th, 7th, 6th, 5th	.	.	.	.	.	„ 18
„	6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th	.	.	.	.	.	„ 19
„	12th, 11th, 10th, 9th, 8th, 7th, 6th, 5th, 4th	.	.	.	.	.	„ 20

In the second half of the diamond continue to work backwards and forwards in the same way, but leaving a pair of bobbins at each pin-hole until hole 26 is reached, which inclose. Work a half-stitch with the 8th and 9th pairs ; put a pin in hole 27, and inclose it.

Continue Ground to Left.—Work a half-stitch with the 3rd and 4th pairs ; put a pin in hole 28, and inclose it. Work a half-stitch with the 4th and 5th pairs ; put a pin in hole 29, and inclose it.

Work the straight edge to left again, **x**, putting a pin in hole 30.

Work a half-stitch with the 3rd and 4th pairs ; put a pin in hole 31, and inclose it.

Work a half-stitch with the 5th and 6th pairs ; put a pin in hole 32, and inclose it.

Work the straight edge † to left again, putting a pin in hole 33.

Work a half-stitch with the 4th and 5th pairs ; put a pin in hole 34, and inclose it.

Work a half-stitch with the 6th and 7th pairs ; put a pin in hole 35, and inclose it.

Work a half-stitch with the 5th and 6th pairs ; put a pin in hole 36, and inclose it.

Work a half-stitch with the 3rd and 4th pairs ; put a pin in hole 37, and inclose it.

Work the straight edge to left again, †, putting a pin in hole 38.

Work a half-stitch with the 4th and 5th pairs ; put a pin in hole 39, and inclose it.

Work a half-stitch with the 3rd and 4th pairs ; put a pin in hole 40, and inclose it.

Work the straight edge to left again, †, putting a pin in hole 41.

Work a half-stitch with the 7th and 8th pairs ; put a pin in hole 42, and inclose it.

Work a half-stitch with the 6th and 7th pairs ; put a pin in hole 43, and inclose it.

Work a half-stitch with the 5th and 6th pairs ; put a pin in hole 44, and inclose it.

Work a half-stitch with the 4th and 5th pairs ; put a pin in hole 45, and inclose it.

Work the ground to right in the same way, following the numbers in the order given in the design till you reach hole 63.

The Wheel.—Twist the 8th and 9th pairs once, and work a *cloth*-stitch with them. Twist the 7th pair once, and work a *cloth*-stitch with the 7th and 8th pairs. Twist the 6th pair once, and work a *cloth*-stitch with the 6th and 7th pairs. Twist the 10th pair once, and work a *cloth*-stitch with the 9th and 10th pairs. Twist the 11th pair once, and work a *cloth*-stitch with the 10th and 11th pairs.

Work a cloth-stitch with the 8th and 9th pairs, with the 7th and 8th pairs, with the 9th and 10th pairs, and again with the 8th and 9th pairs.

Put a pin between the 8th and 9th pairs in the centre of the wheel. *This completes half the wheel.*

To Complete the Wheel.—Work a cloth-stitch with the 8th and 9th pairs, with the 9th and 10th pairs, and with the 10th and 11th pairs; twist the 11th pair twice, and support by a pin in hole 64.

Work a cloth-stitch with the 7th and 8th pairs, and with the 6th and 7th pairs; twist the 6th pair twice, and support by a pin in hole 65.

Work a cloth-stitch with the 8th and 9th pairs, and with the 7th and 8th pairs; twist the 7th pair twice, and support at hole 66.

Work a cloth-stitch with the 9th and 10th pairs; twist the 10th pair twice, and support at hole 67.

Work a cloth-stitch with the 8th and 9th pairs, and support at holes 68 and 69. This completes the wheel.

Continue the ground to left and right in the arithmetical order of the holes until hole 85 is reached. (When working holes 64 to 69, remove the pins supporting the threads from the wheel, and work the holes in the usual way. When the wheel is thoroughly understood, it will be unnecessary to support the threads as here recommended.)

Work a half-stitch with the 8th and 9th pairs; put a pin in hole 86, and inclose it.

Commence again from the beginning, *.

6.—Zigzag Scollop Edging.

Bobbins required, 15 pairs.

Design marked *a, b, c, d, e, f*, (Fig. 25).

Hang two pairs each at *a, b, c, e*, and *f*, and inclose each pin, and five pairs between *d* and *e*.

* *Ground of Lace to Left.*—

Work a half-stitch with the 4th and 5th pairs; put a pin in hole 1, and inclose it.

x *Straight Edge of Lace.*—

Work a half-stitch with the 2nd and 3rd pairs; put a pin in hole 2, and inclose it. Twist the 1st pair once, and work a double with the 1st and 2nd pairs; take the pin out of hole 2, replace it between the 2nd and 3rd pairs, and inclose with a double.

Work a half-stitch with the 3rd and 4th pairs; put a pin in hole 3, and inclose it.

Work the straight edge again, x, putting a pin in hole 4.

The Vandyke.—Work a half-stitch with the 6th and 7th pairs; put a pin in hole 5, twist the 6th pair once, and inclose the pin.

Work a half-stitch with the

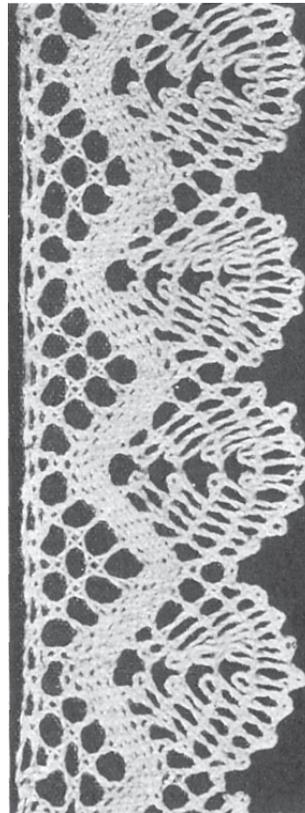


FIG. 24.—PATTERN OF ZIGZAG SCOLLOP EDGING.

7th, 8th, 9th, 10th, 11th, and 12th pairs; put a pin in hole 6;
twist the 12th pair once, and inclose the pin.

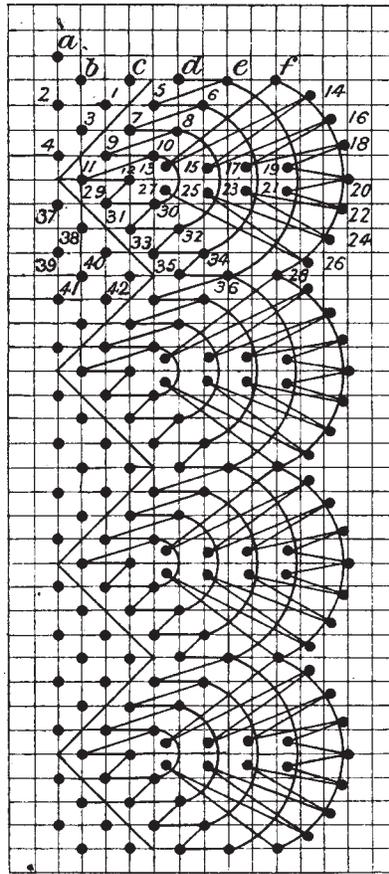


FIG. 25.—DESIGN FOR ZIGZAG SCALLOP EDGING.

Work a half-stitch with the 11th, 10th, 9th, 8th, 7th, 6th,
and 5th pairs; put a pin in hole 7; twist the 5th pair once,
and inclose the pin.

Work a half-stitch with the 6th, 7th, 8th, 9th, 10th, and 11th pairs; put a pin in hole 8; twist the 11th pair once, and inclose the pin.

Work a half-stitch with the following pairs, remembering to give an extra twist to the last pair at each edge of the Vandyke *before inclosing the pin*, so as to carry on the worker:—

Pairs	10th, 9th, 8th, 7th, 6th, 5th, 4th	hole 9
„	5th, 6th, 7th, 8th, 9th, 10th	„ 10
„	9th, 8th, 7th, 6th, 5th, 4th, 3rd	„ 11
„	4th, 5th, 6th, 7th, 8th, 9th	„ 12

The Zigzag Scollop.

NOTE.—Use a pair of bobbins with coloured thread for the 15th pair, and observe that it is this pair which is the ‘worker,’ and forms all the zigzag pattern seen in the design, whilst the hangers form the arcs through which the zigzag is worked. The ‘hangers’ are taken into the Vandyke when it is continued. The hangers and workers are *each twisted once before they are connected by a cloth-stitch*.

Work a cloth-stitch with the 14th and 15th pairs, and draw up close to the pin at *f*. Work a cloth-stitch with the hangers and workers, taking the former in the following order: 13th, 12th, 11th, and 10th; put a pin in hole 13 between the workers and 10th pair; twist both pairs once, and work a cloth-stitch with the workers and the following pairs: 10th, 11th, 12th, 13th, and 14th. Put a pin in hole 14 between the workers and the 14th pair; twist both pairs once, and carry the workers through pairs 14th, 13th, 12th, 11th to hole 15, twisting each pair once before connecting them. Continue to carry the workers backwards and forwards in the same way until hole 20 is reached, omitting a pair of hangers at each turn to the left. The design should be a sufficient guide, if the numbers are followed in their arithmetical order. After hole 20 is reached, which is the centre of the scollop, the pattern is reversed, and the arithmetical order of the numbers is that in

which the zigzag has to be worked. The scallop is finished at hole 28, when a cloth-stitch is worked with the 14th and 15th pairs. The 14th pair forms the outside arc, and does not enter into any other part of the lace.

Vandyke (continued).—Work a half-stitch with the following pairs, not forgetting to twist and inclose :—

Pairs 8th, 7th, 6th, 5th, 4th	hole 29
„ 5th, 6th, 7th, 8th, 9th, 10th	„ 30
„ 9th, 8th, 7th, 6th, 5th	„ 31
„ 6th, 7th, 8th, 9th, 10th, 11th	„ 32
„ 10th, 9th, 8th, 7th, 6th	„ 33
„ 7th, 8th, 9th, 10th, 11th, 12th	„ 34
„ 11th, 10th, 9th, 8th, 7th	„ 35
„ 8th, 9th, 10th, 11th, 12th, 13th	„ 36

Ground of Lace to Left.—Work the straight edge again, **x**, putting a pin in hole 37.

Work a half-stitch with the 3rd and 4th pairs ; put a pin in hole 38, and inclose it.

Work the straight edge again, **x**, putting a pin in hole 39.

Work a half-stitch with the 4th and 5th pairs ; put a pin in hole 40, and inclose it.

Work a half-stitch with the 3rd and 4th pairs ; put a pin in hole 41, and inclose it.

Work a half-stitch with the 5th and 6th pairs ; put a pin in hole 42, and inclose it.

Commence again from *.

7.—Cloth-stitch Insertion with Wheel.

Bobbins required, 16 pairs.

Design marked *a* to *h*, (Fig. 27).

Hang two pairs at each letter. Inclose the pin at *d*.

* *Begin with the Half-diamond.*—Work a half-stitch with the following pairs, not forgetting the extra twist at each edge of the diamond *before inclosing the pin* :—

Pairs	8th, 9th, 10th, 11th, 12th, 13th	. . . . .	hole 1
„	12th, 11th, 10th, 9th, 8th	. . . . .	„ 2
„	9th, 10th, 11th, 12th	. . . . .	„ 3
„	11th, 10th, 9th	. . . . .	„ 4
„	10th, 11th	. . . . .	„ 5

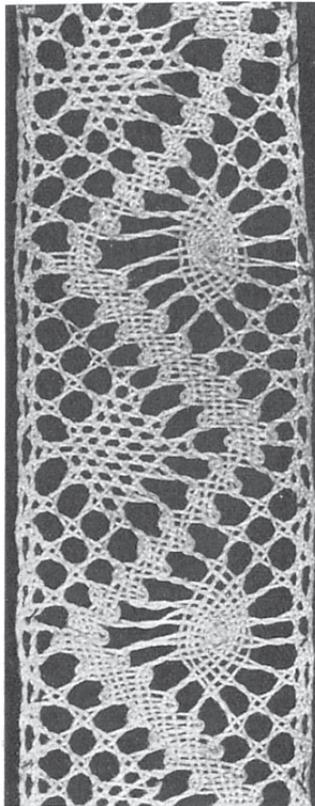


FIG. 26.—PATTERN OF CLOTH-STITCH INSERTION WITH WHEEL.

Straight Edge to Right.—Work a half-stitch with the 14th and 15th pairs; put a pin in hole 6, and inclose it. Twist the

16th pair once, and work a double with the 15th and 16th pairs; take the pin out of hole 6, replace it between the 15th and 16th pairs, and inclose with a double.

Work the ground to right from hole 7 to 15 in torchon

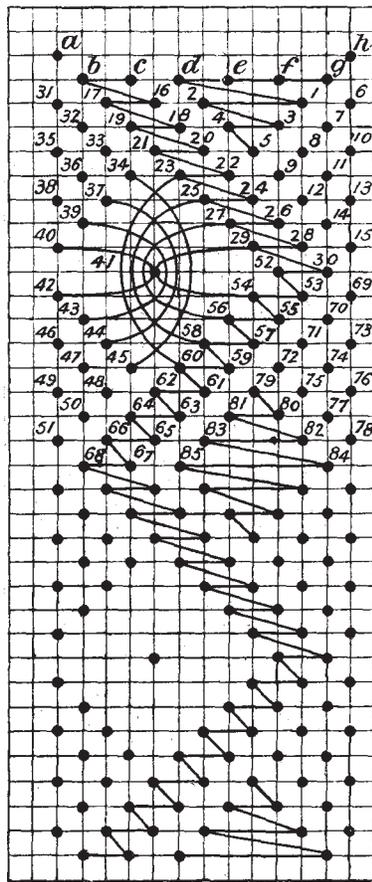


FIG. 27.—DESIGN FOR CLOTH-STITCH INSERTION WITH WHEEL.

stitch, the holes at the edge to be worked in the same way as hole 6.

The Vandyke.—Work a *cloth-stitch* with the following pairs, carrying on the *pair of workers* throughout, twisting them once at each turn backwards and forwards, and leaving a pair of hangers at each turn on the left :—

Pairs 3rd, 4th, 5th, 6th, 7th	hole 16
„ 7th, 6th, 5th, 4th	„ 17
„ 4th, 5th, 6th, 7th, 8th	„ 18
„ 8th, 7th, 6th, 5th	„ 19
„ 5th, 6th, 7th, 8th, 9th	„ 20
„ 9th, 8th, 7th, 6th	„ 21
„ 6th, 7th, 8th, 9th, 10th	„ 22
„ 10th, 9th, 8th, 7th	„ 23

Continue the Vandyke to hole 30, leaving a pair to the left at each turn, and taking up a fresh pair to the right.

Work the ground to left from hole 31 to hole 40 in torchon stitch. The pairs hanging from the *cloth-stitch* Vandyke must be twisted once before being used for the ground, as, in working *cloth-stitch*, they are left hanging without a twist.

The Wheel.—Twist each pair once before beginning the wheel. Work a *cloth-stitch* with the following pairs :—

6th and 7th, 5th and 6th, 4th and 5th, 3rd and 4th,
7th „ 8th, 8th „ 9th, 9th „ 10th, 6th „ 7th,
5th „ 6th, 4th „ 5th, 7th „ 8th, 8th „ 9th,
6th „ 7th, 5th „ 6th, 7th „ 8th, 6th „ 7th.

Put a pin into hole 41, which is the centre of wheel. To complete the wheel, repeat as for the first half. After completing the wheel, twist each pair twice, and support them at either side of the space containing the wheel. The pins so used must be withdrawn and the holes worked in the usual way, when the ground to left and the Vandyke are continued.

Complete the ground to left to hole 51.

Continue the Vandyke from hole 52 to 68, leaving a pair of hangers at each turn on the right.

The Diamond.—Work a half-stitch with the following pairs, not forgetting the extra twist at either edge of the diamond before inclosing the pin :—

Pairs 9th, 10th	hole 79
„ 10th, 11th	„ 80
„ 10th, 9th, 8th	„ 81
„ 9th, 10th, 11th, 12th	„ 82
„ 11th, 10th, 9th, 8th, 7th	„ 83
„ 8th, 9th, 10th, 11th, 12th, 13th	„ 84
„ 12th, 11th, 10th, 9th, 8th, 7th, 6th	„ 85

Commence again from the beginning, *.

8. Edging with Cloth Diamond.

Bobbins required, 16 pairs.

Design marked *a* to *i*, (Fig. 29).

Hang one pair each at *g* and *i*, and two pairs at each of the other letters in the design. Inclose the pin at *f* with the 11th and 12th pairs.

* *Commence with the half-diamond (lower half).*—Half-stitch with the following pairs :—

Pairs 11th, 10th, 9th, 8th, 7th, 6th	hole 1 ; twist and inclose.
„ 7th, 8th, 9th, 10th, 11th	„ 2 ; „ „
„ 10th, 9th, 8th, 7th	„ 3 ; „ „
„ 8th, 9th, 10th	„ 4 ; „ „
„ 9th, 8th	„ 5 ; „ „

x *Straight Edge.*—Work a half-stitch with the 2nd and 3rd pairs ; put a pin in hole 6, and inclose it. Twist the 1st pair once, and work a double with the 1st and 2nd pairs ; take the pin out of hole 6, replace it between the 2nd and 3rd pairs, and inclose with a double.

Half-stitch with the following pairs :—

Pairs 4th, 5th	hole 7 ; inclose.
„ 5th, 6th	„ 8 ; „
„ 6th, 7th	„ 9 ; „

Pairs 7th, 8th hole 10; inclose.
 „ 3rd, 4th „ 11; „
 „ 4th, 5th „ 12; „

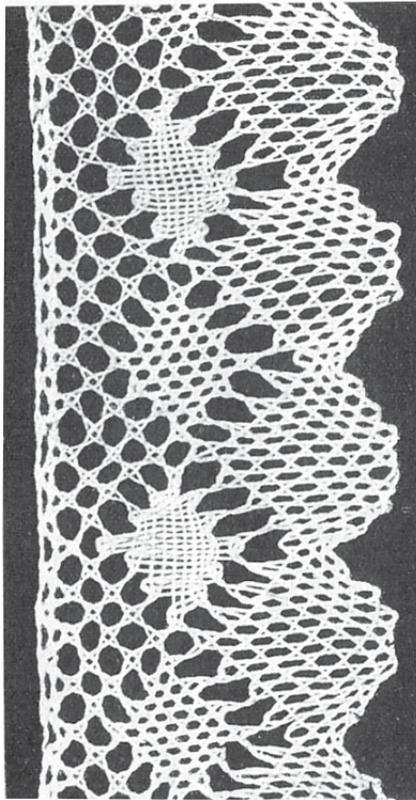


FIG. 28.—PATTERN OF EDGING WITH CLOTH DIAMOND.

Pairs 5th, 6th hole 13; inclose.
 „ 6th, 7th „ 14; „
 Straight edge again, x, hole 15.

Half-stitch with the following pairs :—

Pairs 3rd, 4th	hole 16 ; inclose.
„ 4th, 5th	„ 17 ; „
„ 5th, 6th	„ 18 ; „

Straight edge again, **x**, hole 19.

Half-stitch with the following pairs :—

Pairs 3rd, 4th	hole 20 ; inclose.
„ 4th, 5th	„ 21 ; „

Straight edge again, **x**, hole 22.

The Scollop.—Half-stitch with the following pairs :—

Pairs 16th, 15th, 14th, 13th, 12th	hole 23 ; twist and inclose.
„ 13th, 14th, 15th, 16th	„ 24 ; „ „
„ 15th, 14th, 13th, 12th, 11th	„ 25 ; „ „
„ 12th, 13th, 14th, 15th, 16th	„ 26 ; „ „
„ 15th, 14th, 13th, 12th, 11th, 10th	„ 27 ; „ „
„ 11th, 12th, 13th, 14th, 15th, 16th	„ 28 ; „ „
„ 15th, 14th, 13th, 12th, 11th, 10th, 9th	„ 29 ; „ „
„ 10th, 11th, 12th, 13th, 14th, 15th, 16th	„ 30 ; „ „
„ 15th, 14th, 13th, 12th, 11th, 10th	„ 31 „ „
„ 11th, 12th, 13th, 14th, 15th, 16th	„ 32 ; „ „
„ 15th, 14th, 13th, 12th, 11th	„ 33 ; „ „
„ 12th, 13th, 14th, 15th, 16th	„ 34 ; „ „
„ 15th, 14th, 13th, 12th	„ 35 ; „ „
„ 13th, 14th, 15th, 16th	„ 36 ; „ „
„ 15th, 14th, 13th	„ 37 ; „ „
„ 14th, 15th, 16th	„ 38 ; „ „

The Diamond.—Cloth-stitch with the following pairs, twisting the workers once at either edge before working back :—

Pairs 8th, 9th	hole 39
„ 9th, 8th, 7th	„ 40
„ 7th, 8th, 9th, 10th	„ 41
„ 10th, 9th, 8th, 7th, 6th	„ 42
„ 6th, 7th, 8th, 9th, 10th, 11th	„ 43
„ 11th, 10th, 9th, 8th, 7th, 6th, 5th	„ 44
„ 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th	„ 45
„ 12th, 11th, 10th, 9th, 8th, 7th, 6th	„ 46
„ 6th, 7th, 8th, 9th, 10th, 11th	„ 47

Pairs 11th, 10th, 9th, 8th, 7th	hole 48
, 7th, 8th, 9th, 10th	„ 49
„ 10th, 9th, 8th	„ 50

Inclose the pin at 50 with a cloth-stitch.

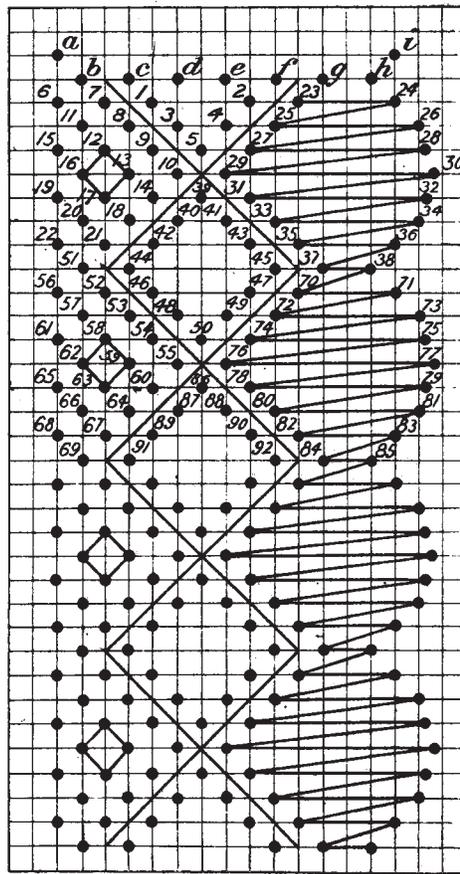


FIG. 29.—DESIGN FOR EDGING WITH CLOTH DIAMOND.

Left Ground.—Twist each pair hanging from the diamond once, and work a half-stitch with the following pairs :—

Pairs 3rd, 4th	hole 51 ; inclose.
„ 4th, 5th	„ 52 ; „
„ 5th, 6th	„ 53 ; „
„ 6th, 7th	„ 54 ; „
„ 7th, 8th	„ 55 ; „

Straight edge again, **x**, hole 56.

Half-stitch with the following pairs :—

Pairs 3rd, 4th	hole 57 ; inclose.
„ 4th, 5th	„ 58 ; „
„ 5th, 6th	„ 59 ; „
„ 6th, 7th	„ 60 ; „

Straight edge again, **x**, hole 61.

Half-stitch with the following pairs :—

Pairs 3rd, 4th	hole 62 ; inclose.
„ 4th, 5th	„ 63 ; „
„ 5th, 6th	„ 64 ; „

Straight edge again, **x**, hole 65.

Half-stitch with the following pairs :—

Pairs 3rd, 4th	hole 66 ; inclose.
„ 4th, 5th	„ 67 ; „

Straight edge again, **x**, hole 68.

Half-stitch with the 3rd and 4th pairs, hole 69 ; inclose.

Scollop (continued).—Work a half-stitch with the following pairs :—

Pairs 15th, 14th, 13th, 12th	hole 70 ; twist and inclose.
„ 13th, 14th, 15th, 16th	„ 71 ; „ „
„ 15th, 14th, 13th, 12th, 11th	„ 72 ; „ „
„ 12th, 13th, 14th, 15th, 16th	„ 73 ; „ „
„ 15th, 14th, 13th, 12th, 11th, 10th	„ 74 ; „ „
„ 11th, 12th, 13th, 14th, 15th, 16th	„ 75 ; „ „
„ 15th, 14th, 13th, 12th, 11th, 10th, 9th	„ 76 ; „ „
„ 10th, 11th, 12th, 13th, 14th, 15th, 16th	„ 77 ; „ „

Pairs 15th, 14th, 13th, 12th, 11th, 10th .	hole 78 ; twist and inclose.
„ 11th, 12th, 13th, 14th, 15th, 16th .	„ 79 ; „
„ 15th, 14th, 13th, 12th, 11th .	„ 80 „
„ 12th, 13th, 14th, 15th, 16th .	„ 81 ; „
„ 15th, 14th, 13th, 12th .	„ 82
„ 13th, 14th, 15th, 16th .	„ 83 ;
„ 15th, 14th, 13th .	„ 84 ; „
„ 14th, 15th, 16th .	„ 85 ; „

Half-diamond (upper half)—

Pairs 8th, 9th .	hole 86 ; twist and inclose.
„ 8th, 7th .	„ 87 ; „
„ 8th, 9th, 10th .	„ 88 ; „
„ 9th, 8th, 7th, 6th .	„ 89 ; „
„ 7th, 8th, 9th, 10th, 11th .	„ 90 ; „
„ 10th, 9th, 8th, 7th, 6th, 5th .	„ 91 ; „
„ 6th, 7th, 8th, 9th, 10th, 11th, 12th .	„ 92 ; „

Commence again from the beginning, *.

9.—Diamond and Star Insertion.

Bobbins required, 18 pairs.

Design marked *a, b, c, d, e, f, g, h, i*, (Fig. 31).

Hang two pairs at each of the letters. Inclose the pin at *e* with the 9th and 10th pairs.

Use 3-cord thread, number 40, 50, or 60.

* *Left Edge*.—Work a half-stitch with the 2nd and 3rd pairs ; put a pin in hole 1, and inclose. Twist the 1st pair once, and work a double with the 1st and 2nd pairs ; take the pin out of hole 1, replace it between the 2nd and 3rd pairs, and inclose with a double.

Left Ground.—Half-stitch with the 7th, 6th, 5th, and 4th pairs ; hole 2, inclose. Half-stitch with the 5th, 6th, 7th, 8th and 9th pairs ; hole 3, twist and inclose.

Half-stitch with the 8th, 7th, 6th, 5th, 4th, and 3rd pairs ; hole 4, inclose.

Work left edge again, *, hole 5.

Work a half-stitch with pairs as below:—

Pairs 4th, 5th, 6th, 7th, and 8th	hole 6; twist and inclose.
„ 7th, 6th, 5th, and 4th	„ 7; „ „
„ 5th, 6th, and 7th	„ 8; „ „
„ 6th, 5th, 4th, and 3rd	„ 9; „ „
„ 4th, 5th, and 6th	„ 10; „ „
„ 5th and 4th	„ 11; „ „

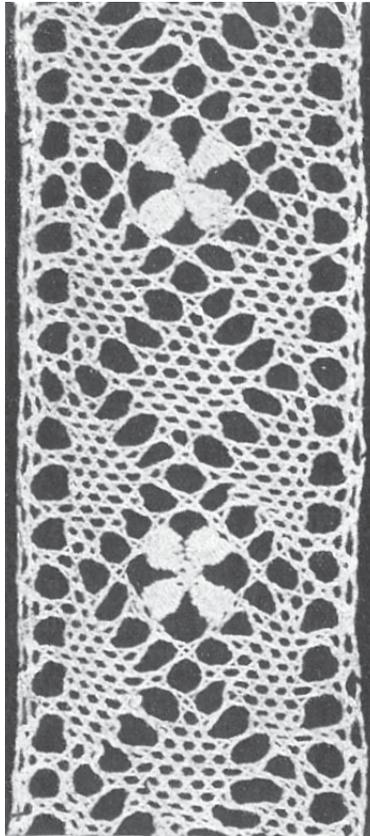


FIG. 30.—PATTERN OF DIAMOND AND STAR INSERTION.

Work left edge again, *, hole 12. Work a half-stitch with pairs as below :—

- Pairs 15th, 14th, 13th, 12th, 11th, 10th . . . hole 13; twist and inclose.
- „ 11th, 12th, 13th, 14th, 15th . . . „ 14; „ „
- „ 14th, 13th, 12th, 11th . . . „ 15; „ „

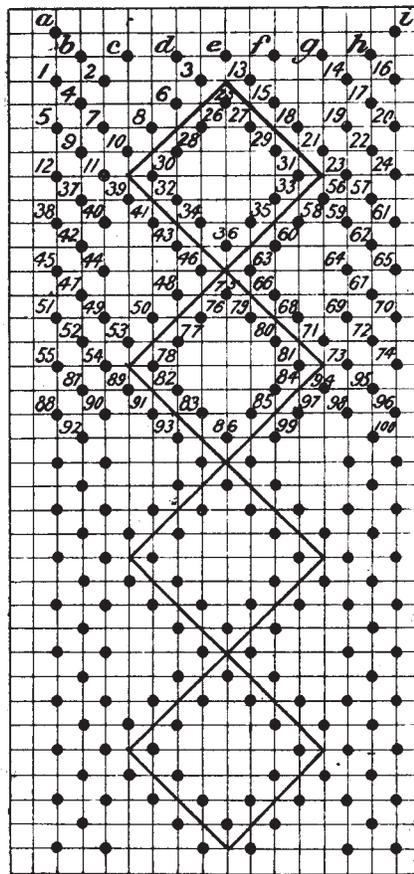


FIG. 1.—DESIGN FOR DIAMOND AND STAR INSERTION.

x *Right Edge*.—Work a half-stitch with the 16th and 17th pairs, put a pin in hole 16, and inclose. Twist the 18th pair once, and work a double with the 17th and 18th pairs; take the pin out of hole 16, replace it between the 16th and 17th pairs, and inclose with a double.

Right Ground.—Work a half-stitch with pairs as below :—

Pairs 12th, 13th, 14th, 15th, 16th . . . hole 17; inclose.
 „ 15th, 14th, 13th, 12th . . . „ 18; twist and inclose.
 „ 13th, 14th, 15th . . . „ 19; „ „

Work right edge again, **x**, hole 20. Work a half-stitch with pairs as below :—

Pairs 14th, 13th . . . hole 21; twist and inclose.
 „ 13th, 14th, 15th, 16th . . . „ 22; „ „
 „ 15th, 14th . . . „ 23; „ „

Work right edge again, **x**, hole 24.

The Diamond.—Half-stitch with pairs as below :—

Pairs 9th, 10th . . . hole 25; inclose.
 „ 9th, 8th . . . „ 26; twist and enclose.
 „ 9th, 10th, 11th . . . „ 27; „ „
 „ 10th, 9th, 8th, 7th . . . „ 28; „ „
 „ 8th, 9th, 10th, 11th, 12th . . . „ 29; „ „
 „ 11th, 10th, 9th, 8th, 7th, 6th . . . „ 30; „ „
 „ 7th, 8th, 9th, 10th, 11th, 12th, 13th „ 31; „ „
 „ 12th, 11th, 10th, 9th, 8th, 7th . . . „ 32; „ „
 „ 8th, 9th, 10th, 11th, 12th . . . „ 33; „ „
 „ 11th, 10th, 9th . . . „ 34; „ „
 „ 10th, 11th . . . „ 35; „ „
 „ 9th, 10th . . . „ 36; „ „

Left Ground (continued).—Half-stitch with the 3rd and 4th pairs, hole 37, and inclose. Work left edge again, *, hole 38.

Half-stitch with pairs as below :—

Pairs 4th, 5th, 6th . . . hole 39; twist and inclose.
 „ 5th, 4th . . . „ 40; „ „
 „ 5th, 6th, 7th . . . „ 41; „ „
 „ 6th, 5th, 4th, 3rd . . . „ 42; inclose.
 „ 4th, 5th, 6th, 7th, 8th . . . „ 43; twist and inclose.
 „ 7th, 6th, 5th, 4th . . . „ 44; „ „

Work left edge again, *, hole 45. Half-stitch with pairs as below :—

Pairs 5th, 6th, 7th, 8th, 9th	hole 46; twist and inclose.
„ 8th, 7th, 6th, 5th, 4th, 3rd	„ 47; inclose.
„ 4th, 5th, 6th, 7th, 8th	„ 48; twist and inclose.
„ 7th, 6th, 5th, 4th	„ 49; „ „
„ 5th, 6th, 7th	„ 50; „ „

Work left edge again, *, hole 51. Half-stitch with pairs as below :—

Pairs 6th, 5th, 4th, 3rd	hole 52; inclose.
„ 4th, 5th, 6th	„ 53; twist and inclose.
„ 5th, 4th	„ 54; „ „

Work left edge again, *, hole 55.

Right Ground (continued) :—

Pairs 14th, 13th	hole 56; twist and inclose.
„ 14th, 15th, 16th	„ 57; inclose.
„ 15th, 14th, 13th, 12th	„ 58; twist and inclose.
„ 13th, 14th, 15th	„ 59; „ „
„ 14th, 13th, 12th, 11th	„ 60; „ „

Work right edge again, x, hole 61.

Pairs 12th, 13th, 14th, 15th, 16th	hole 62; inclose.
„ 15th, 14th, 13th, 12th, 11th, 10th	„ 63; twist and inclose.
„ 11th, 12th, 13th, 14th, 15th	„ 64; „ „

Work right edge again, x, hole 65.

Pairs 14th, 13th, 12th, 11th	hole 66; twist and inclose.
„ 12th, 13th, 14th, 15th, 16th	„ 67; inclose.
„ 15th, 14th, 13th, 12th	„ 68; twist and inclose.
„ 13th, 14th, 15th	„ 69; „ „

Work right edge again, x, hole 70.

Pairs 14th, 13th	hole 71; twist and inclose.
„ 14th, 15th, 16th	„ 72; inclose.
„ 15th, 14th	„ 73; „

Work right edge again, x, hole 74.

Star Square.—Half-stitch with pairs as below :—

Pairs 9th, 10th	. . . . .	hole 75 ; inclose.
„ 8th, 9th	. . . . .	„ 76 ; „
„ 7th, 8th	. . . . .	„ 77 ; „
„ 6th, 7th	. . . . .	„ 78 ; „
„ 10th, 11th	. . . . .	„ 79 ; „
„ 11th, 12th	. . . . .	„ 80 ; „
„ 12th, 13th	. . . . .	„ 81 ; „

The Star.—Begin with the 8th and 9th pairs for the first ray ; count the bobbins from the left—1, 2, 3, 4. ‡ Place 1, 3, and 4 at equal distances from each other on the pillow. Take 2 in the right hand and weave the thread in and out of the other three bobbins, crossing *over* the middle thread when working towards the right, and *under* it when returning to the left. The weaving thread ought to be held loosely until nearing the centre of the star, when it should be slightly tightened and the threads drawn together. From 15 to 18 turns of the thread should be sufficient. Work a half-stitch with the two pairs ; place a pin below them close to the centre of the star, and leave them hanging. Now take the 10th and 11th pairs for the second ray ; count as before—1, 2, 3, 4, and repeat from ‡. Work a cloth-stitch with the 9th and 10th pairs ; place a pin between them in the centre of the star, and work a cloth-stitch with the 8th and 9th, the 10th and 11th, and the 9th and 10th pairs. Work a half-stitch with the 8th and 9th pairs for the third (lower left) ray ; place a pin between them close to the centre of the star ; count as before, and repeat from ‡. Twist each pair once and hang them in their order at holes 82 and 83. Now for the last ray. Work a half-stitch with the 10th and 11th pairs ; place a pin between them close to the centre ; weave as before ; twist each pair once, and hang them in their order at holes 84 and 85. The pins supporting the threads at holes 82 to 85 must be removed when those holes are worked.

SCOLLOPED EDGING WITH CLOTH-STITCH GROUND 57

Star Square (continued).—Half-stitch with pairs as below:—

Pairs 7th, 8th	hole 82; inclose.
„ 8th, 9th	„ 83; „
„ 11th, 12th	„ 84; „
„ 10th, 11th	„ 85; „
„ 9th, 10th	„ 86; „

This completes the star.

Half-stitch with the 3rd and 4th pairs . . . hole 87; inclose.

Work the left edge again, *, hole 88.

Half-stitch with pairs as below:—

Pairs 4th, 5th, 6th	hole 89; twist and inclose.
„ 5th, 4th	„ 90; „ „
„ 5th, 6th, 7th	„ 91; „ „
„ 6th, 5th, 4th, 3rd	„ 92; inclose.
4th, 5th, 6th, 7th, 8th	„ 93; twist and inclose.

Half-stitch with pairs as below:—

Pairs 13th, 14th	hole 94; twist and inclose.
„ 14th, 15th, 16th	„ 95; inclose.

Work the right edge again, **x**, hole 96.

Half-stitch with pairs as below:—

Pairs 14th, 13th, 12th	hole 97; twist and inclose.
„ 13th, 14th, 15th	„ 98; „ „
„ 14th, 13th, 12th, 11th	„ 99; „ „
„ 12th, 13th, 14th, 15th, 16th	„ 100; inclose.

Commence again from the beginning, *.

10. Scolloped Edging with Cloth-stitch Ground.

Bobbins required, 23 pairs.

Design marked *a* to *l*, (Fig. 33).

Hang one pair at *j*, and two pairs at each of the remaining letters.

* *Footing and Ground to Left* (the open left border of this pattern is called the 'footing').—Work a double with the

4th and 5th pairs; put a pin in hole 1, and inclose with a double.

✕ *Straight Edge*.—Work a half-stitch with the 2nd and 3rd pairs; put a pin in hole 2 and inclose. Twist the 1st pair

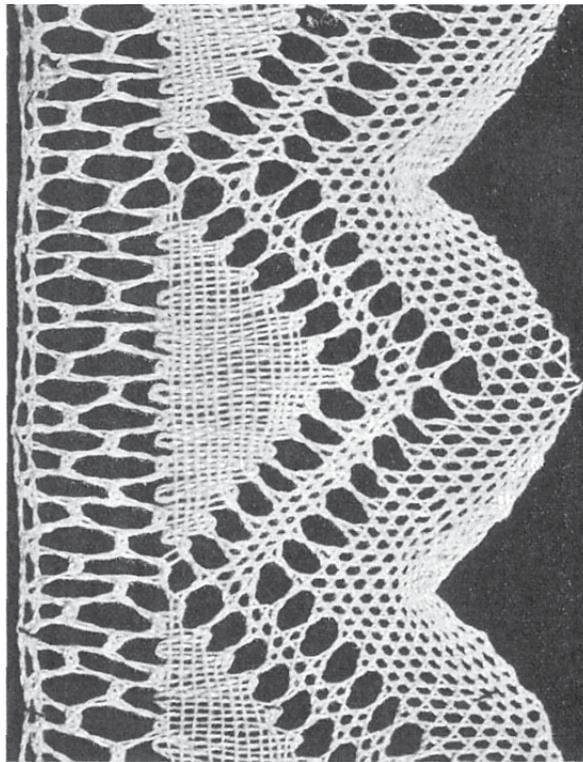


FIG. 32.—PATTERN OF SCOLLOPED EDGING WITH CLOTH-STITCH GROUND.

once, and work a double with the 1st and 2nd pairs; take the pin out of hole 2, replace it between the 2nd and 3rd pairs, and inclose with a double

SCOLLOPED EDGING WITH CLOTH-STITCH GROUND 59

Work a double with the 3rd and 4th pairs; put a pin in hole 3, and inclose with a double.

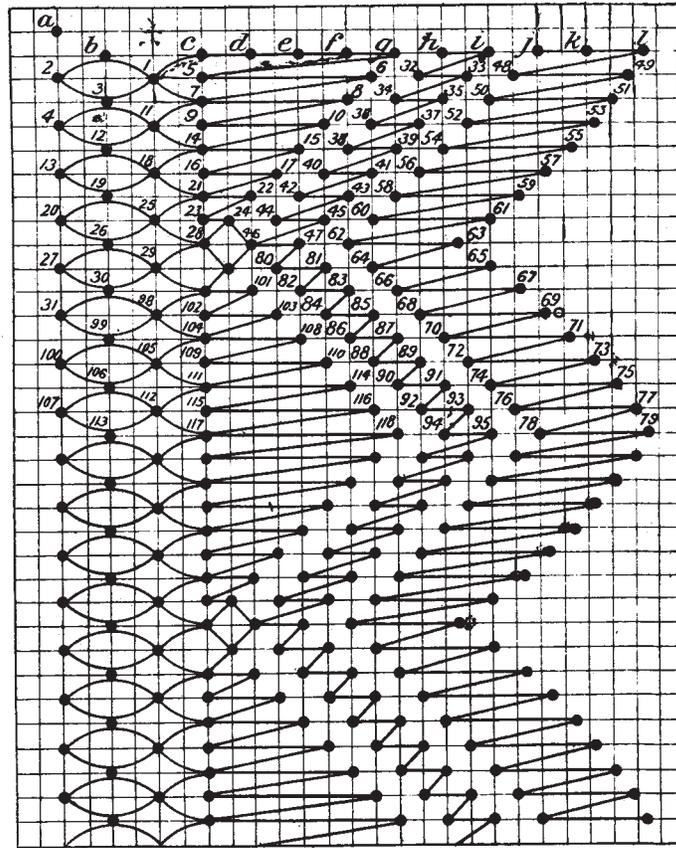


FIG. 33.—DESIGN FOR SCOLLOPED EDGING WITH CLOTH-STITCH GROUND.

Work the straight edge again, **x**, putting a pin in hole 4.
Work a cloth-stitch with the pairs below. (The *workers*

must be twisted once at every turn before commencing a new line. When the 5th pair is used to work a cloth-stitch with the 6th pair, *both* pairs must be twisted once *after* the cloth-stitch is made and the pin placed; and another cloth-stitch must be made so as to carry on the *workers*. The same workers are carried on throughout the cloth-stitch of the entire lace.)

Pairs 14th, 13th, 12th, 11th, 10th, 9th, 8th, 7th, 6th . . .	hole 5
„ 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th . . .	„ 6
„ 13th, 12th, 11th, 10th, 9th, 8th, 7th, 6th, 5th . . .	„ 7
„ 5th, 6th, 7th, 8th, 9th, 10th, 11th, 12th . . .	„ 8
„ 12th, 11th, 10th, 9th, 8th, 7th, 6th . . .	„ 9
„ 6th, 7th, 8th, 9th, 10th, 11th . . .	„ 10

Work a double with the 4th and 5th pairs; put a pin in hole 11, and inclose with a double. A double with the 3rd and 4th pairs; hole 12, inclose with a double.

Work the straight edge again, **x**, putting a pin in hole 13.

Work cloth-stitch with pairs as below :—

Pairs 11th, 10th, 9th, 8th, 7th, 6th, 5th	hole 14
„ 5th, 6th, 7th, 8th, 9th, 10th	„ 15
„ 10th, 9th, 8th, 7th, 6th	„ 16
„ 6th, 7th, 8th, 9th	„ 17

A double with 4th and 5th pairs, hole 18; inclose double.

A double with 3rd and 4th pairs, hole 19; inclose double.

Work the straight edge again, **x**, hole 20.

Work cloth-stitch with pairs as follows :—

Pairs 9th, 8th, 7th, 6th, 5th	hole 21
„ 5th, 6th, 7th, 8th	„ 22
„ 8th, 7th, 6th	„ 23
„ 6th, 7th	„ 24

A double with 4th and 5th pairs, hole 25; inclose double.

A double with 3rd and 4th pairs, hole 26; inclose double

Work the straight edge again, **x**, hole 27.

Work cloth-stitch with 7th, 6th, 5th pairs, hole 28.

SCOLLOPED EDGING WITH CLOTH-STITCH GROUND 61

A double with 4th and 5th pairs, hole 29; inclose double.

A double with 3rd and 4th pairs, hole 30; inclose double.

Work the straight edge again, **x**, hole 31.

The Vandyke.—Twist each pair hanging from the cloth-stitch once before working the Vandyke; inclose the pin at *i* with the 17th and 18th pairs.

Work a half-stitch with the following pairs, carrying on the worker:—

Pairs 17th, 16th, 15th, 14th	hole 32
„ 15th, 16th, 17th	„ 33
„ 16th, 15th, 14th, 13th	„ 34
„ 14th, 15th, 16th	„ 35
„ 15th, 14th, 13th, 12th	„ 36
„ 13th, 14th, 15th	„ 37
„ 14th, 13th, 12th, 11th	„ 38
„ 12th, 13th, 14th	„ 39
„ 13th, 12th, 11th, 10th	„ 40
„ 11th, 12th, 13th	„ 41
„ 12th, 11th, 10th, 9th	„ 42
„ 10th, 11th, 12th	„ 43
„ 11th, 10th, 9th, 8th	„ 44
„ 9th, 10th, 11th	„ 45
„ 10th, 9th, 8th, 7th	„ 46
„ 8th, 9th, 10th	„ 47

Inclose the pin at hole 47, and leave the workers hanging ready for the Vandyke to be continued.

The Scollop.—Inclose the pin at *l* with the 22nd and 23rd pairs. Work a half-stitch with the 22nd, 21st, 20th, 19th, and 18th pairs; put a pin in hole 48, and inclose. Work backwards and forwards in the same way until hole 63 is reached, taking up a fresh pair from the Vandyke at each turn on the left. After hole 63, and until hole 79 is reached, continue to work backwards and forwards in the same way, but leaving a pair on the left at each turn. (Use the 22nd to 12th pairs up to hole 64, and the 19th to 23rd pairs up to hole 79.)

Continue Vandyke from hole 47.

Work a half-stitch with the following pairs :—

Pairs 9th, 8th	hole 80
„ 9th, 10th, 11th	„ 81
„ 10th, 9th	„ 82
„ 9th, 10th, 11th	„ 83

Continue to work in the same way until hole 95 is reached, taking up a fresh pair at the right at each turn, and leaving a pair to the left.

Footing and Ground to Left (continued).—Work a cloth-stitch with the 6th and 7th pairs; put a pin in hole 96; twist the 7th pair once; work a cloth-stitch with the 7th, 6th, and 5th pairs; put a pin in hole 97; twist the 6th and 5th pairs once each, and work a cloth-stitch with them.

A double with the 4th and 5th pairs, hole 98; inclose double.

A double with the 3rd and 4th pairs, hole 99; inclose double.

Work the straight edge again, **x**, hole 100.

Work a cloth-stitch with the pairs below :—

Pairs 6th, 7th, 8th	hole 101
„ 8th, 7th, 6th	„ 102
„ 6th, 7th, 8th, 9th	„ 103
„ 9th, 8th, 7th, 6th, 5th	„ 104

Twist the 5th and 6th pairs once each, and work a cloth-stitch with them.

A double with the 4th and 5th pairs, hole 105; inclose double.

A double with the 3rd and 4th pairs, hole 106; inclose double.

Work the straight edge again, **x**, hole 107.

Work a cloth-stitch with the following pairs :—

Pairs 6th, 7th, 8th, 9th, 10th	hole 108
„ 10th, 9th, 8th, 7th, 6th	„ 109
„ 6th, 7th, 8th, 9th, 10th, 11th	„ 110
„ 11th, 10th, 9th, 8th, 7th, 6th, 5th	„ 111

Twist the 5th and 6th pairs once each, and work a cloth-stitch with them.

A double with the 4th and 5th pairs, hole 112; inclose double.

A double with the 3rd and 4th pairs, hole 113; inclose double.

Work a cloth-stitch with the following pairs:—

Pairs 6th, 7th, 8th, 9th, 10th, 11th, 12th	hole 114
„ 12th, 11th, 10th, 9th, 8th, 7th, 6th	„ 115
„ 6th, 7th, 8th, 9th, 10th, 11th, 12th, 13th	„ 116
„ 13th, 12th, 11th, 10th, 9th, 8th, 7th, 6th, 5th	„ 117

Twist the 5th and 6th pairs once each, and work a cloth-stitch with them.

Work a cloth-stitch with pairs 6th to 16th, hole 118.

Repeat from the beginning, *

II. Double Rose-stitch Insertion.

Bobbins required, 10 pairs.

Design marked *a*, *b*, *c*, *d*, (Fig. 35).

Hang three pairs each at *a* and *d*, and two pairs each at *b* and *c*. Inclose each pin with a half-stitch.

* Work a half-stitch with the 5th and 6th pairs; put a pin in hole 1, and inclose.

Work a half-stitch with the 4th and 5th pairs, and the 6th and 7th pairs, and leave them hanging.

Work a half-stitch with the 2nd and 3rd pairs. Work a half-stitch with the 3rd and 4th pairs; put a pin in hole 2, and inclose.

† *Straight Edge to Left.*—Work a half-stitch with the 2nd and 3rd pairs; put a pin in hole 3, and inclose. Twist the 1st pair once, and work a double with the 1st and 2nd pairs. Take

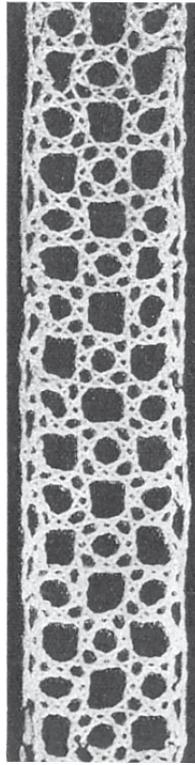


FIG. 34.—PATTERN OF DOUBLE ROSE-STITCH INSERTION.

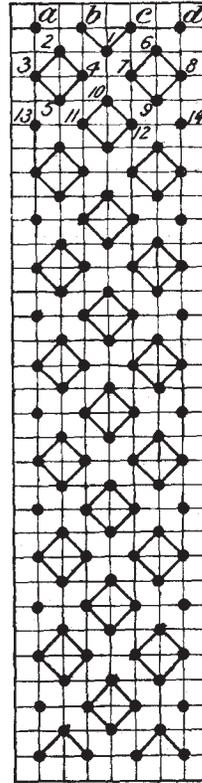


FIG. 35.—DESIGN FOR DOUBLE ROSE-STITCH.

the pin out of hole 3, replace it between the 2nd and 3rd pairs, and inclose with a double.

Work a half-stitch with the 4th and 5th pairs, observing the

cross in the space between them; put a pin in hole 4, and inclose.

Work a half-stitch with the 3rd and 4th pairs; put a pin in hole 5, and inclose. Work a half-stitch with the 2nd and 3rd, and with the 4th and 5th pairs, and leave them hanging.

Work a half-stitch with the 8th and 9th pairs. Work a half-stitch with the 7th and 8th pairs; put a pin in hole 6, and inclose.

Work a half-stitch with the 6th and 7th pairs, observing the cross in the space between them; put a pin in hole 7, and inclose.

‡ *Straight Edge to Right.*—Work a half-stitch with the 8th and 9th pairs; put a pin in hole 8, and inclose. Twist the 10th pair once, and work a double with the 9th and 10th pairs. Take the pin out of hole 8, replace it between the 8th and 9th pairs, and inclose with a double.

Work a half-stitch with the 7th and 8th pairs; put a pin in hole 9, and inclose. Work a half-stitch with the 6th and 7th, and with the 8th and 9th pairs, and leave them hanging. Work a half-stitch with the 5th and 6th pairs; put a pin in hole 10, and inclose, observing the cross in the space on either side of this hole before working holes 11 and 12.

Work a half-stitch with the 4th and 5th pairs; put a pin in hole 11, and inclose.

Work a half-stitch with the 6th and 7th pairs; put a pin in hole 12, and inclose.

Work straight edge to left again, †, putting a pin in hole 13 and keeping the cross on from the previous half-stitch.

Work straight edge to right again, ‡, putting a pin in hole 14 and keeping the cross on from the previous half-stitch.

Commence again from the beginning, *.

12. Edging with Maltese Cross and Wheel.

Bobbins required, 19 pairs.

Design marked *a* to *i*, (Fig. 35).

Hang three pairs each at *a* and *g*, one pair each at *c* and *d*, and two pairs each at the remaining letters.

**Ground to Left.*—Work a double with the 3rd and 4th pairs; put a pin in hole 1, and inclose with a double.

x Straight Edge.—Work a half-stitch with the 2nd and 3rd pairs; put a pin in hole 2, and inclose. Twist the 1st pair once, and work a double with the 1st and 2nd pairs; take the pin out of hole 2, replace between the 2nd and 3rd pairs, and inclose with a double.

‡ The Square Darning.—Use the 6th and 7th pairs. Cross each pair once. Count the bobbins from the left as they lie—1, 2, 3, 4; place them at equal distances from each other; lengthen the thread of No. 2, and weave it in and out of the other three, passing over the middle thread when working towards the right, and under it when working towards the left. Continue this for twelve turns. Twist each pair once, and support the threads with pins at holes 3 and 7.

Work a double with the 5th and 6th pairs; take the pin out of hole 3, replace it between the 5th and 6th pairs, and inclose with a double.

Work a double with the 4th and 5th pairs; put a pin in hole 4; inclose with a double.

Work a double with the 3rd and 4th pairs; put a pin in hole 5; inclose with a double.

Work the straight edge again, *x*, putting a pin in hole 6.

Work a double with the 7th and 8th pairs; take the pin out of hole 7, replace it between the 7th and 8th pairs, and inclose with a double.

Work a double with the 6th and 7th pairs; put a pin in hole 8; inclose with a double.

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Work a double with the 5th and 6th pairs; put a pin in hole 9; inclose with a double.

Work a double with the 4th and 5th pairs; put a pin in hole 10; inclose with a double.

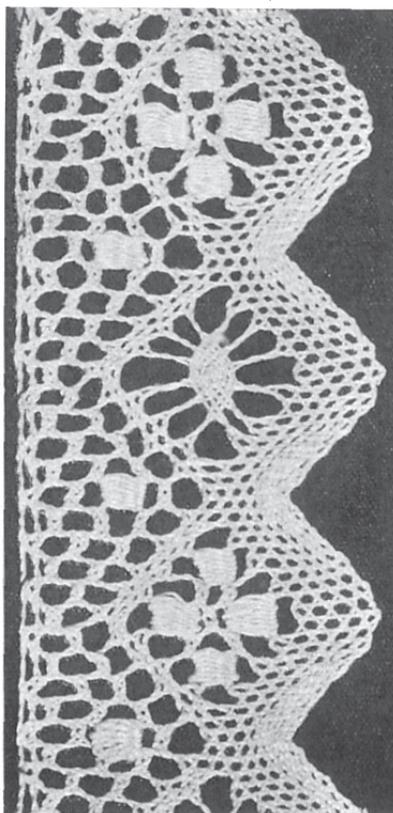


FIG. 36.--PATTERN OF EDGING WITH MALTESE CROSS AND WHEEL.

Work a double with the 3rd and 4th pairs; put a pin in hole 11; inclose with a double.

Work the straight edge again, **x**, putting a pin in hole 12.

The Scollop.—Inclose the pin at *i*. Work a half-stitch with the following pairs, not forgetting the extra twist at either turn, or to inclose the pin :—

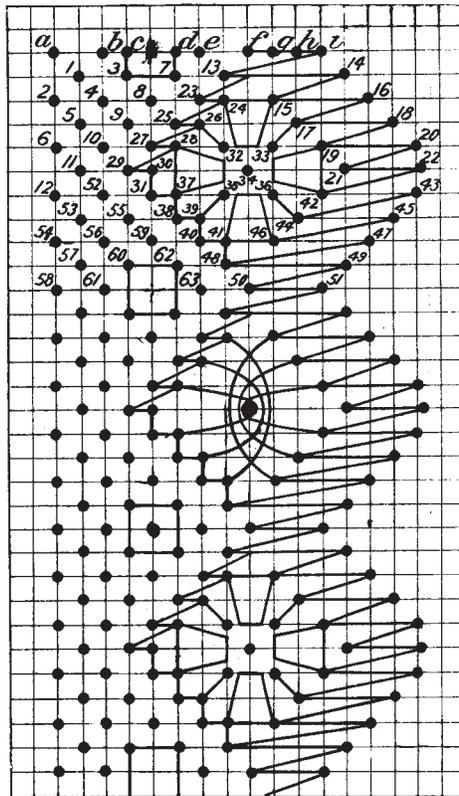


FIG. 37.—DESIGN FOR EDGING WITH MALTESE CROSS AND WHEEL.

Pairs 18th, 17th, 16th, 15th, 14th, 13th, 12th, 11th, 10th, 9th.	hole 13
„ 10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th	„ 14
„ 18th, 17th, 16th, 15th, 14th, 13th, 12th	„ 15

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Pairs	13th, 14th, 15th, 16th, 17th, 18th, 19th	hole 16
„	18th, 17th, 16th, 15th, 14th, 13th	„ 17
„	14th, 15th, 16th, 17th, 18th, 19th	. . . . .	„ 18
„	18th, 17th, 16th, 15th, 14th	. . . . .	„ 19
„	15th, 16th, 17th, 18th, 19th	. . . . .	„ 20
„	18th, 17th, 16th, 15th	. . . . .	„ 21
„	16th, 17th, 18th, 19th	. . . . .	„ 22

The Vandyke.—Work a half-stitch with the following pairs:—

Pairs	11th, 10th, 9th, 8th	. . . . .	hole 23
„	9th, 10th, 11th	. . . . .	„ 24
„	10th, 9th, 8th, 7th	. . . . .	„ 25
„	8th, 9th, 10th	. . . . .	„ 26
„	9th, 8th, 7th, 6th	. . . . .	„ 27
„	7th, 8th, 9th	. . . . .	„ 28
„	8th, 7th, 6th, 5th	. . . . .	„ 29
„	6th, 7th, 8th	. . . . .	„ 30
„	7th, 6th	. . . . .	„ 31

Maltese Cross.—Use the 11th and 12th pairs and follow the directions for the square darning, ‡; twenty turns will be sufficient. Support the threads with pins at holes 32 and 33. Twist the 10th pair twice; work a double with the 10th and 11th pairs; put a pin in hole 32, and inclose with a double. Twist the 13th pair twice; work a double with the 12th and 13th pairs, and inclose with a double. Work a double with the 11th and 12th pairs; put a pin in hole 34 (the centre hole), and inclose with a double. Work the cross to the right and left of the centre, using the 13th and 14th, and the 9th and 10th pairs; sixteen turns will be sufficient. Support with pins at holes 35 and 37, and at 36 and 42. Work a double with the 10th and 11th pairs; put a pin in hole 35, and inclose with a double. Work a double with the 12th and 13th pairs; put a pin in hole 36, and inclose with a double. Work the remainder of the cross in the same way, using the 11th and 12th pairs; twenty turns will be sufficient. Support at holes 41 and 47.

Twist the 10th and 13th pairs twice, and support at holes 37 and 45.

Continue Vandyke from hole 31. Work a half-stitch with the following pairs :—

Pairs	7th, 8th, 9th	. . . . .	hole 37
„	8th, 7th	. . . . .	„ 38
„	8th, 9th, 10th	. . . . .	„ 39
„	9th, 8th	. . . . .	„ 40
„	9th, 10th, 11th	. . . . .	„ 41

Inclose the pin at hole 41, and leave the worker ready for the Vandyke to be continued.

Continue scollop from hole 22. Work a half-stitch with the following pairs, *not forgetting the extra twist at either edge, or to inclose the pin* :—

Pairs	18th, 17th, 16th, 15th, 14th	. . . . .	hole 42
„	15th, 16th, 17th, 18th, 19th	. . . . .	„ 43
„	18th, 17th, 16th, 15th, 14th, 13th	. . . . .	„ 44
„	14th, 15th, 16th, 17th, 18th, 19th	. . . . .	„ 45
„	18th, 17th, 16th, 15th, 14th, 13th, 12th	. . . . .	„ 46
„	13th, 14th, 15th, 16th, 17th, 18th, 19th	. . . . .	„ 47
„	18th, 17th, 16th, 15th, 14th, 13th, 12th, 11th, 10th, 9th	. . . . .	„ 48
„	10th, 11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th	. . . . .	„ 49
„	18th, 17th, 16th, 15th, 14th, 13th, 12th, 11th, 10th	. . . . .	„ 50
„	11th, 12th, 13th, 14th, 15th, 16th, 17th, 18th, 19th	. . . . .	„ 51

Continue the ground to left from hole 52 to 63.

Commence again from the beginning, *.

In the pattern a wheel alternates with the Maltese cross. For the wheel, twist each pair twice before commencing, and work cloth-stitch with the following pairs :—11th and 12th, 10th and 11th, 9th and 10th, 12th and 13th, 13th and 14th, 11th and 12th, 10th and 11th, 12th and 13th, 11th and 12th; put a pin in the centre, hole 34. Work cloth-stitch with the 11th and 12th, the 10th and 11th, and the 9th and 10th pairs; twist the 9th pair twice, and support at hole 37. Work cloth-

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stitch with the 12th and 13th, and the 13th and 14th pairs ; twist the 14th pair twice, and support at hole 42. Support each finished pair, in the wheel, in the same way, so as to be ready to be taken into the Vandyke or scollop when they are worked. Work cloth-stitch with the 11th and 12th, the 12th and 13th, and the 11th and 12th pairs, which completes the wheel.