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The American Lace Maker

(ILLUSTRATED)

Volume One

Published by the

T O R C H O N

Lace Company

ST. LOUIS, MISSOURI

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PRICE, FIFTY CENTS

F o u r t h E d i t i o n

Introduction.



In presenting this book to the Ladies of America, we claim for it the distinction of being the most complete work of its kind ever published in this or any other country. Starting the beginner, as it does, with the grounds or weaves, which is the alphabet of Lace Making, and following up with the simplest patterns of Torchon Lace, then, step by step, to the more intricate ones, up to the finest patterns known to the Lace Making Art. The transition is so easy and gradual, that the learner who has had no previous knowledge of the art, is carried along by easy stages, until before they are aware of it, they have mastered it completely.

The instructions here given, are the result of years of study by practical lace teachers, who have had a wide experience in teaching the art to others, and no pains or expense has been spared by the publishers, in making this book as complete and thorough, as practical experience and money can produce. And we feel sure that the American ladies will appreciate the opportunity which it affords them to learn this most beautiful of all Arts, "Lace Making."

TORCHON LACE COMPANY,
St. Louis, Mo.

THE ART OF LACE MAKING.

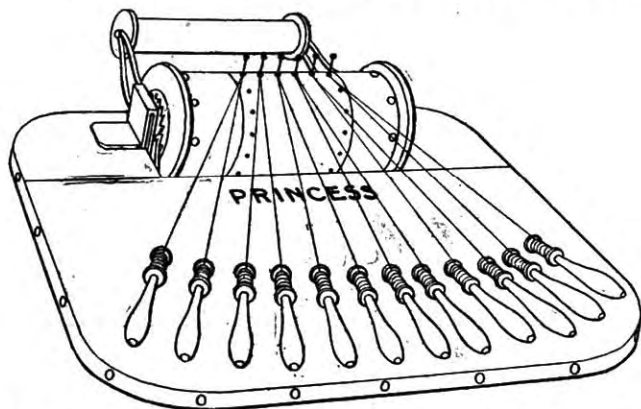


Figure A—Showing Loom with pattern around the cylinder and threads pinned on ready for work as per instructions given in Lesson No. 1.

designated by number. These are always put in between the two pins last used, “unless otherwise stated,” and the threads closed around them.

The lace is woven by means of the bobbins, which are passed back and forth over each other. The patterns are printed for perforation, and the dots are numbered for the placing of the pins as the work progresses. After a little passing of the bobbins, the work becomes as mechanical as a piano exercise, and it is not necessary to watch one’s work closely. These laces consist of “grounds” so-called, all of which are taught in this book and used in connection with the various patterns.

The pattern should be pinned smoothly around the cylinder of the loom taking care to have it match carefully at the ends in order to make it continuous. If too large, wind a strip of soft cloth around the cylinder before putting on the pattern. Tie the bobbin threads together at the ends in pairs, as shown in Figure A, pinning in holes designated, as many pairs as are specified in the directions for the pattern. The bobbins are used and numbered in pairs, always according to the place they occupy at the time of using and beginning at the left. Two pairs—right and left—are used at a time, and the weaves are formed by the twist and the cross of the bobbin threads. The frequent drawing up and straightening out of the threads as the pins are put in will come naturally with practice. The pins which are being continually removed and replaced in the pattern as the work goes on, should be pushed in evenly and deep enough to hold firmly.

Explanation of Abbreviations. HALF-THROW (ht)—Pass the Right bobbin of the left pair over the left bobbin of the right pair, then pass the right bobbin of each pair over the left bobbin of same pair.

WHOLE-THROW (wt.)—Repeat the half-throw once.

CROSS (c.)—Pass the right bobbin of the left pair over left bobbin of right pair.

General Directions. The implements used for the making of these laces are first, The Lace Loom; second, the Bobbins; third, Patterns; fourth, Pins; fifth, Thread. It should be borne in mind that only linen thread is suitable for lace making, and that to insure the best results, it should be smooth, lustrous, strong and flexible; pins and patterns vary in size according to the number of thread used, and purpose for which the lace is intended. The pins are pushed in the dots

TWIST (tw.)—Pass the right bobbin of each pair over the left of same pair. If but one of the two pairs is to be twisted, this will be specified, also the number of twists to be made.

CROSS, TWIST, CROSS (etc.)—Cross (as above), twist both pairs at once and cross.

CLOSE—Always close the pin with the same throw made before putting in the pin, i. e. *If ht is made before putting in pin, ht to close. If etc is made before putting in pin etc to close, etc.*

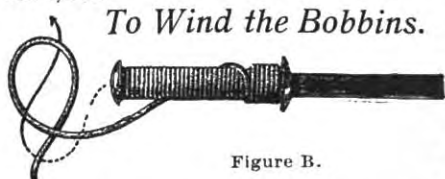


Figure B.

Hold the bobbin in the right hand, and the thread in the left hand, and wind from you, with a medium tension upon the thread. Fill the bobbins only to about two-thirds of their capacity, and when the winding is completed, cut the thread from the spool, at a length of ten inches, and secure it from unwinding too rapidly by looping

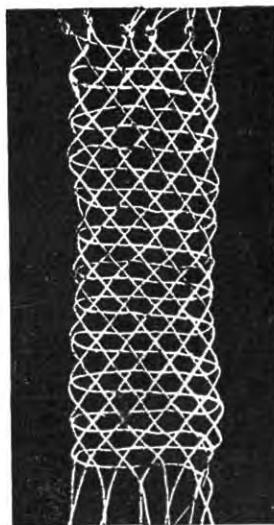
it. For the coarser threads, a simple loop as in Figure B, will suffice, but for the finer ones, which slip more easily, it should be made thus: Hold the bobbin in the left hand, extend the fore-finger of that hand along the length of the bobbin, then wind the thread once around finger and bobbin, then once around the bobbin alone, cast the finger-loop over the end of the bobbin and draw the thread end tightly. When a thread has become short in working, lift the bobbin in the left hand and turn it between the fingers from left to right, holding the thread tightly drawn over the right fore-finger. When a bobbin has been exhausted, re-fill and join the thread-ends with a simple knot.

LESSON NO. 1.

Net Ground.

This pattern requires 12 bobbins, or 6 pairs, and Barbour's Irish flax thread, Nos. 50 to

80. Place the pattern smoothly around the cylinder, lapping the ends and securing them with short pins. Tie a pair of threads (two) around a pin, and place the pin in the first dot on the right side at the top of the pattern. Prepare another pair in the same way, and pin on the opposite side of the pattern, a quarter of an inch above dot numbered one. Tie four other pairs of threads around pins, and stick the pins in a row across the top of the pattern between the first two pairs, leaving all the threads about seven inches long from pin to bobbin. This manner of attaching the threads is illustrated in Figure A. The pairs of bobbins are numbered from left to right. Begin with 5th and 6th pairs, which will be the last two pairs on the right hand side of the pattern. The 6th pair will be the right hand pair; the 5th pair will be the left hand pair. Have no regard for any others, for the time being. Lay the four bobbins on the bobbin table, and number them from right to left; first, second, third, fourth. Lift the third bobbin over the second bobbin, which is the first movement. Number the bobbins again, and at the same time, using both hands lift the first bobbin over the second, and the third bobbin over the fourth, which is the



Lesson No. 1.—Net Ground.

second movement. These two movements constitute the half-throw, written "ht." When the ht is made, lay aside the 6th pair, shift the 5th pair from the left hand to the right hand, and take up the fourth pair with the left hand. Make the ht with the 4th and 5th pairs, and lay aside the 5th pair, and take up the 3d pair; ht with the 3d and 4th pairs, lay aside the 4th pair, and take up the 2d pair; ht with the 2d and 3d pairs, lay aside the 3d pair, and take up the 1st; ht with the 1st and 2d pairs. Draw the pairs of bobbins as far apart as the threads will permit, the left hand pair to the left, the right hand pair to the right, lift the left hand pair, keeping the threads taut, place a pin between the pairs of threads, in the dot numbered 1, and "close" or tie in the pin by making the "ht" again, with the same 1st and 2d pairs.

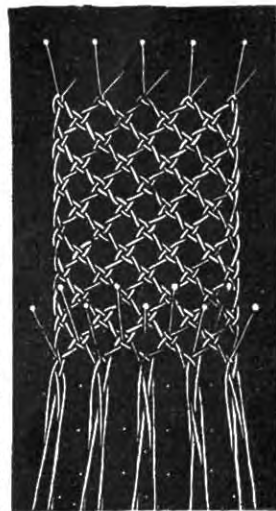
Work to the right again by laying aside the left hand pairs, and taking up new ones with the right hand, pin between the 5th and 6th pairs in the dot numbered 2, and "close" as before.

Move to the left in the same manner by laying aside the right hand pairs and taking up pairs with the left hand, pin between the 1st and 2d pairs in dot numbered 3, and close.

The work may be continued to any desired length. It is not a lace, properly speaking, as it has no selvage, but is simply a study in lace weaving.

LESSON NO. 2.

Plain Hole Ground. This pattern requires 20 bobbins, or 10 pairs, and is properly made in Barbour's Irish flax thread Nos. 50 to 80. Having placed the pattern around the cylinder, pin two pairs of threads (four), in each of five dots across the pattern, just above the row of four, numbered 1, 3, 7, 13, and arrange them in a uniform length of seven inches, or slightly more if desired. The pairs are counted from left to right. Ht 2d and 3d pairs, pin in dot numbered 1; close, or tie in the pin by making ht with same pairs. Lay aside 3d pair, take 2d pair in right hand and 1st pair in left hand, ht and pin in 2, close; ht 4th and 5th, pin in 3; close, ht 3d and 4th, pin in 4, close; ht 2d and 3d, pin in 5, close; ht 1st and 2d, pin in 6, close; ht 6th and 7th, pin in 7, close; ht 5th and 6th, pin in 8, close; ht 4th and 5th, pin in 9, close; ht 3d and 4th, pin in 10, close; ht 2d and 3d, pin in 11, close; ht 1st and 2d, pin in 12, close; ht 8th and 9th, pin in 13, close. Work with ht across diagonally, pinning in 14, 15, 16, 17, 18, 19, 20; ht 9th and 10th, pin in 21, close, and finish row to 29. To bring the work to a square end, ht 9th and 10th, pin in dot just below 21, close; ht 8th and 9th, pin in dot just below 22, close; ht 9th and 10th, pin in 2d dot below 21, close; ht 7th and 8th, pin in dot just below 23, close; ht 8th and 9th, pin in 2d dot below 22, close; ht 9th and 10th, pin in 3d dot below 21, close; ht 6th and 7th, pin in dot just below 24, close; ht 7th and 8th, pin in 2d dot below 23, close; ht 8th and 9th, pin in 3d dot below 22, close; ht 9th and 10th, pin in 4th dot below 21, close. Continue working on diagonal lines, to the right and left, alternately, until the sample is of the length desired. This pattern is simply an exercise in weaving, and not a lace, having neither scallop nor selvage.



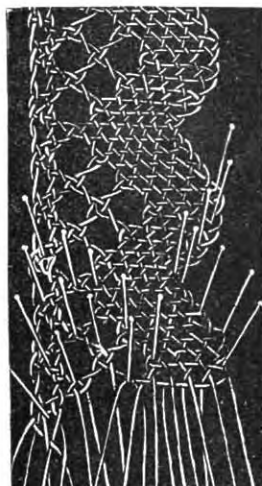
Lesson No. 2.—Plain Hole Ground.

Lesson No. 2.—Plain Hole Ground. This pattern is simply an exercise in weaving, and not a lace, having neither scallop nor selvage.

LESSON NO. 3.

Round Point Edging.

This pattern requires 20 bobbins, or 10 pairs, and is properly made of Barbour's Irish flax thread, Nos. 50 to 70. Pin two pairs of threads, each, in 17, 14, 16, 11 and 7; ht (half throw) 9th and 10th pairs, pin in 1, close with ht; ht 8th and 9th, 7th and 8th, 6th and 7th, 5th and 6th, 4th and 5th, pin in 2, close; ht 5th and 6th, 6th and 7th, 7th and 8th, 8th and 9th, 9th and 10th, pin in 3, close; ht 8th and 9th, 7th and 8th, 6th and 7th, 5th and 6th, pin in 4, close; ht 6th and 7th, 7th and 8th, 8th and 9th, 9th and 10th, pin in 5, close; ht 8th and 9th, 7th and 8th, 6th and 7th, pin in 6, close; ht 7th and 8th, 8th and 9th and lay aside five pairs of threads, without pinning, wt 2d and 3d pairs, pin in 7, and before closing, wt 1st and 2d. Then wt 2d and 3d, which "closes" the pin; ht 3d and 4th, pin in 8, close; wt 2d and 3d, pin in 9, wt 1st and 2d, 2d and 3d; ht 4th and 5th, pin in 10, close; ht 3d and 4th, pin in 11, close; wt 2d and 3d, pin in 12, wt 1st and 2d, 2d and 3d; ht 9th and 10th, pin in 13, close; ht 8th and 9th, 7th and 8th, 6th and 7th, 5th and 6th, pin in 14, close; ht 6th and 7th, 7th and 8th, 8th and 9th, 9th and 10th, pin in 15, close; ht 8th and 9th, 7th and 8th, 6th and 7th, 5th and 6th, 4th and 5th, pin in 16, close; ht 5th and 6th, 6th and 7th, 7th and 8th, 8th and 9th, 9th and 10th, pin in 17, close, ht 8th and 9th, 7th and 8th, 6th and 7th, 5th and 6th, 4th and 5th, 3d and 4th, pin in 18, close; ht 4th and 5th, 5th and 6th, 6th and 7th, 7th and 8th, 8th and 9th, and repeat instructions from the beginning; that is, from the phrase, "ht 9th and 10th, pin in 1, etc."

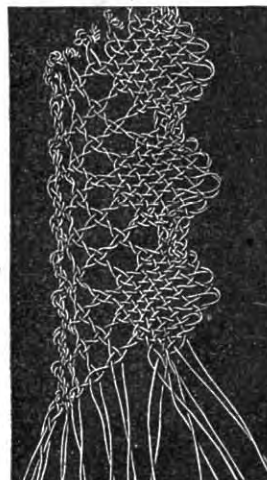


Lesson No. 3.—Round Point Edging.

LESSON NO. 4.

Diamond Point Edging.

This pattern, like the preceding one is a combination of lessons 1 and 2. It requires 20 bobbins, or 10 pairs, and is neatly made in Barbour's Irish flax thread, Nos. 60 to 80, as taste may direct. Pin 2 pairs of threads (four) each, in 11, 12 and 21, and 1 pair each in 10, 18, 19 and 20; ht 9th and 10th pairs, pin in 1, close; ht 8th and 9th, 7th and 8th, 6th and 7th, pin in 2, close; ht 7th and 8th, 8th and 9th, 9th and 10th, pin in 3, close; ht 8th and 9th, 7th and 8th, 6th and 7th, 5th and 6th, pin in 4, close; ht 6th and 7th, 7th and 8th, 8th and 9th, 9th and 10th, pin in 5, close; ht 8th and 9th, 7th and 8th, 6th and 7th, 5th and 6th, 4th and 5th, pin in 6, close; ht 5th and 6th, 6th and 7th, 7th and 8th, 8th and 9th, 9th and 10th, pin in 7, close; ht 8th and 9th, 7th and 8th, 6th and 7th, 5th and 6th, pin in 8, close; ht 6th and 7th, 7th and 8th, 8th and 9th, 9th and 10th, pin in 9, close; ht 8th and 9th, 7th and 8th, 6th and 7th, pin in 10, close; ht 7th and 8th, 8th and 9th, 9th and 10th, pin in 11, close; ht 8th and 9th, 7th and 8th, pin in 12,



Lesson No. 4.—Diamond Point Edging.

close; ht 3d and 4th, pin in 13 close; wt 2d, and 3d, pin in 14, and before closing, tw 1st pair, wt 1st and 2d, and to close the pin, wt 2d and 3d pairs, ht 4th and 5th, pin in 15, close; ht 3d and 4th, pin in 16, close; wt 2d and 3d, pin in 17, tw 1st, wt 1st and 2d, 2d and 3d; ht 5th and 6th, pin in 18, close; ht 4th and 5th, pin in 19, close; ht 3d and 4th, pin in 20, close; wt 2d and 3d, pin in 21, tw 1st, wt 1st and 2d, 2d and 3d; ht 8th and 9th, and repeat the lesson from the beginning; that is, from "ht 9th and 10th, pin in 1, etc."

LESSON NO. 5.

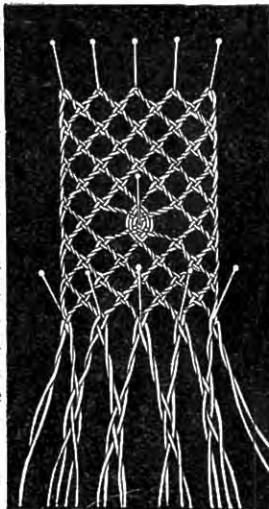
Twisted Hole Ground, with "Spider."

This pattern is designed to show the manner of introducing the Spider into the Hole Ground. It requires 10 pair of bobbins and No. 60 Barbour's linen thread. The twist (tw) is made from right to left. (See explanation of Abbreviations.) Tw 2d and 3d pairs, ht, pin in 1, close; tw 1st and 2d pairs, ht, pin in 2, close; tw 4th and 5th pairs, ht, pin in 3, close; tw 3d and 4th pairs, ht, pin in 4, close; tw 2d and 3d pairs, ht, pin in 5, close; tw 1st and 2d pairs, ht, pin in 6, close; tw 6th and 7th pairs, ht, pin in 7, close; tw 5th and 6th pairs, ht, pin in 8, close; tw 4th and 5th pairs, ht, pin in 9, close; tw 3d and 4th pairs, ht, pin in 10, close; tw 2d and 3d pairs, ht, pin in 11, close; tw 1st and 2d pairs, ht, pin in 12, close; tw 8th and 9th pairs, ht, pin in 13, close. Continue to work thus down the diagonal line, making a twist in each pair, before making the ht, and pinning in 14, 15, 16, 17, 18, 19, 20. Tw 9th and 10th, ht, pin in 21, close. Work in the same manner down another diagonal line, pinning last in 29. Tw 9th and 10th pairs, ht, pin in 30, close; tw 8th and 9th pairs, ht, pin in 31, close; tw 9th and 10th pairs, ht, pin in 32, close; tw 7th and 8th pairs, ht, pin in 33, close; tw 8th and 9th pairs, ht, pin in 34, close; tw 9th and 10th pairs, ht, pin in 35, close, tw 6th and 7th pairs, ht, pin in 36, close; tw 7th and 8th pairs, ht, pin in 37, close; tw 8th and 9th pairs, ht, pin in 38, close; tw 9th and 10th pairs, ht, pin in 39, close; tw 5th and 6th pairs, ht, pin in 40, close. Work from this point, down the diagonal lines, in both directions, as the numbers indicate, pinning in 43 and 46 respectively.

Twist twice the pairs 4th, 5th, 6th and 7th, and proceed to make the spider. To do so, the throw, "etc" is used.

The etc is made with three movements, thus:—Lay four bobbins upon the table, number them from right to left, one, two, three, four. Lift the third bobbin over the second, which is the first movement. Number the bobbins again, and lift the first and third bobbins, over the second and fourth bobbins, which is the second movement. Number again and lift the third bobbin over the second, which is the third movement.

Ctc 5th and 6th, 4th and 5th, etc 6th and 7th, 5th and 6th, place a pin between the 5th and 6th pairs, in the dot numbered 47. Draw each pair of threads to remove all looseness from the work. Then etc 5th and 6th, 4th and 5th. Ctc 6th and 7th, 5th and 6th. Draw up the threads close to the pin, and twist three times, the 4th and 5th, 6th and 7th pairs.



Lesson No. 5.—Twisted Hole Ground with Spider.

Complete the work, as the numbers indicate, on the diagonal lines. This is simply a detail in lace-making, and not a lace, properly so-called.

In lace patterns, the place for "the spider" is outlined by other figures.

LESSON NO. 6.

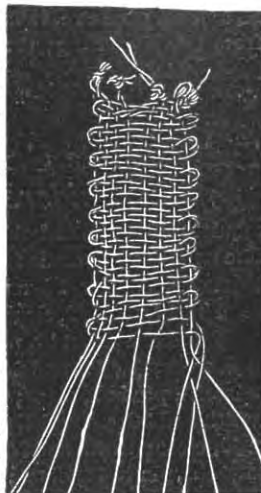
Linen or Cloth Ground.

This ground is so-called because it resembles woven linen in texture. The pattern given for Net Ground may be used, and five pairs of threads should be attached, by pinning in pin-holes to be made across the pattern, between the outside dots. The "throw" used is the "ctc.," made as described in the preceding lesson. Ctc 4th and 5th, 3d and 4th, 2d and 3d, 1st and 2d, pin in 1, close with etc. Ctc 2d and 3d, 3d and 4th, 4th and 5th, pin in 2, close; continue to desired length. This again, is simply an exercise in weaving, and not valuable as a lace, though its use is of paramount importance, as a detail in many laces.

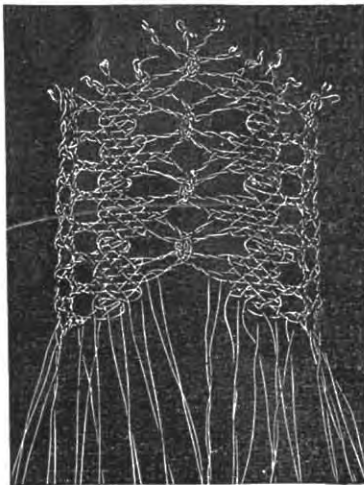
LESSON NO. 7.

Antique or "Spider" Insertion.

This pattern requires 16 pairs or 32 bobbins, and is effectively made in No. 60 Barbour's Irish flax thread, though Nos. 70 or 80 may be used if preferred, while it admits of such lower numbers, as its purpose may suggest. Pin 3 pairs of threads, each, in 11 and 21, and one pair each in 10, 8, 9, 7, 4, 14, 17, 19, 18, 20. The work is best begun with the spider. For this, select 7th, 8th, 9th and 10th pairs. Twist each pair twice, remembering that the twist is made from right to left.



Lesson No. 6.—Round Point Edgings

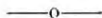


Lesson No. 7.
Antique or "Spider" Insertion.

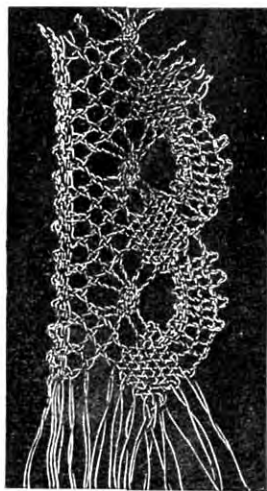
Ctc 8th and 9th, 7th and 8th; etc. 9th and 10th, 8th and 9th, pin between the 8th and 9th pairs, in dot numbered 1. Draw the threads strongly to remove loops from the twisted "legs." Ctc 8th and 9th, 7th and 8th; etc 9th and 10th, 8th and 9th. Draw threads up smoothly, and twist three times, the pairs 7th to 10th, inclusive; ht 6th and 7th, pin in 2, close; ht 5th and 6th, 4th and 5th, pin in 3, close; ht 5th and 6th, 6th and 7th, 7th and 8th, pin in 4, close; ht 6th and 7th, 5th and 6th, 4th and 5th, wt 3d and 4th, pin in 5, close with wt. (Wt 2d and 3d, pin in 6, before closing, tw 1st pair, wt 1st and 2d, and to close the pin, wt 2d and 3d.) The phrase in parenthesis describes the mode of making the edge, which is the same throughout the work on both sides, and need not be repeated. Ht 4th and 5th, 5th and 6th, 6th and 7th, pin in 7, close; ht 5th and 6th, 4th and 5th, pin in 8, close; ht 5th and 6th, pin in 9, close; ht 4th and 5th, wt 3d and 4th, pin in 10, close with wt. Make the edge as

directed, pinning in 11; ht 4th and 5th, 5th and 6th, and lay aside threads without pinning; ht 10th and 11th, pin in 12; ht 11th and 12th, 12th and 13th, pin in 13, close; ht 11th and 12th, 10th and 11th, 9th and 10th, pin in 14, close; ht 10th and 11th, 11th and 12th, 12th and 13th, wt 13th and 14th, pin in 15, close with wt. Make the edge as before, pinning in 16; ht 12th and 13th, 11th and 12th, 10th and 11th, pin in 17, close; ht 11th and 12th, 12th and 13th, pin in 18, close; ht 11th and 12th, pin in 19, close; ht 12th and 13th, wt 13th and 14th, pin in 20, close with wt. Make edge, pinning in 21; ht 12th and 13th, 11th and 12th, and lay aside threads without pinning. Repeat instructions from the starting point.

LESSON NO. 8.



Copenhagen Lace. This pattern requires 30 bobbins, or 15 pairs, and may be made in Barbour's Irish flax thread, Nos. 50 to 80, as adapted to the purpose in view. It should never be made with a finer thread than those named, unless the pattern is first reduced. Pin 4 pairs of threads in 43, 1 pair each in 42, 41, 40, 39, 23 and 25, 3 pairs in 33, and 2 pairs in 34. The spider in this pattern is irregularly made with 5 pairs of threads. For this purpose, twist once the 6th, 7th, 8th, 9th and 10th pairs; etc 8th and 9th, 7th and 8th, 6th and 7th; etc 9th and 10th, 8th and 9th, 7th and 8th, pin in 1, between 7th and 8th pairs; etc 7th and 8th, 6th and 7th, etc 8th and 9th, 7th and 8th; etc 9th and 10th, 8th and 9th. Twist twice the pairs 6th to 10th inclusive. Ht 5th and 6th, pin in 2, close; ht 4th and 5th, pin in 3, close; [etc 3d and 4th, 2d and 3d, tw 1st, etc 1st and 2d, pin in 4, close; etc 2d and 3d, 3d and 4th, tw 4th.] The sentence in brackets describes the edge, and is to be repeated as indicated. Ht 6th and 7th, pin in 5, close; ht 5th and 6th, pin in 6, close; ht 4th and 5th, pin in 7, close. Make edge, pinning in 8; ht 7th and 8th, pin in 9, close; ht 6th and 7th, pin in 10, close; ht 5th and 6th, pin in 11, close; ht 4th and 5th, pin in 12, close. Make edge, pinning in 13. Ht 10th and 11th, pin in 14, close; ht 9th and 10th, pin in 15, close; ht 10th and 11th, 11th and 12th, 12th and 13th, pin in 16, close; ht 11th and 12th, 10th and 11th, 9th and 10th, 8th and 9th, pin in 17, close. Ht to right, using 14th pair, pin in 18, close; ht to left, using 7th pair, pin in 19, close; ht to right, using 15th pair, pin in 20, close; ht to left, using 8th pair, pin in 21, close; ht to right, using 14th pair, pin in 22, close; ht to left, using 9th pair, pin in 23, close; ht to right, using 13th pair, pin in 24, close; ht 11th and 12th, 10th and 11th, pin in 25, close; etc 11th and 12th, 12th and 13th, tw 13th and 14th, wt 13th and 14th, tw 14th and 15th, wt 14th and 15th, pin in 26, close. Tw 13th and 14th, wt 13th and 14th, tw 13th, etc 12th and 13th, 11th and 12th, pin in 27, close. Ctc 12th and 13th, tw 13th and 14th, wt 13th and 14th, tw 14th and 15th, wt 14th and 15th, pin in 28, close. Tw 13th and 14th, wt 13th and 14th, tw 13th, etc 12th and 13th,



Lesson No. 8.—Copenhagen Lace.

11th and 12th, pin in 29, close. Ctc 12th and 13th, tw 13th and 14th, wt 13th and 14th, tw 14th and 15th, wt 14th and 15th, pin in 30, close. Tw 13th and 14th, wt 13th and 14th, tw 13th, etc 12th and 13th, 11th and 12th, pin in 31, close. Ctc 12th and 13th, tw 13th and 14th; wt 13th and 14th, tw 14th and 15th, wt 14th and 15th, pin in 32, close. Tw 13th and 14th, wt 13th and 14th, tw 13th, etc 12th and 13th, 11th and 12th, pin in 33, close. Ctc 12th and 13th, tw 13th and 14th, wt 13th and 14th, tw 14th and 15th, wt 14th and 15th, pin in 34, close. Tw 13th and 14th, wt 13th and 14th, tw 13th, etc 12th and 13th, 11th and 12th, tw once the pairs, 11th to 15th, and lay aside the five pairs of scallop-threads, without pinning. Ht 6th and 7th, pin in 35, close; ht 5th and 6th, pin in 36, close; ht 4th and 5th, pin in 37, close. Make edge, pinning in 38; ht 7th and 8th, pin in 39, close; ht 6th and 7th, pin in 40, close; ht 5th and 6th, pin in 41, close; ht 4th and 5th, pin in 42, close. Make edge, pinning in 43. Repeat the instruction from the starting point of the "spider."

LESSON No. 9.



Smyrna Edging. This pattern requires 20 bobbins, or ten pairs, and Barbour's Irish Flax thread, No. 100. Pin 2 pairs of thread in 39, 1 pair, each, in 40, 42, 44, 46, 48, and 47, and 2 pairs in 49. Wt 9th and 10th, 8th and 9th, 7th and 8th, 6th and 7th, 5th and 6th, 4th and 5th, 3rd and 4th, 2d and 3d, 1st and 2d, pin in 1, close. Wt 2d and 3d, 3d and 4th, 4th and 5th, 5th and 6th, 6th and 7th, 7th and 8th, 8th and 9th, 9th and 10th, pin in 2, close. Wt 8th and 9th, etc 7th and 8th, pin in 3, close, tw 8th, wt 8th and 9th, 9th and 10th, pin in 4, close. Wt 8th and 9th, etc 7th and 8th, 6th and 7th, pin in 5, close, etc 7th and 8th, tw 8th, wt 8th and 9th, 9th and 10th, pin in 6, close. Wt 8th and 9th, etc 7th and 8th, 6th and 7th, pin in 7, close, etc 6th and 7th, 7th and 8th, tw 8th, wt 8th and 9th, 9th and 10, pin in 8, close. Wt 8th and 9th, etc 7th and 8th, 6th and 7th, 5th and 6th, 4th and 5th, pin in 9, close, etc 5th and 6th, 6th and 7th, 7th and 8th, tw 8th, wt 8th and 9th, 9th and 10th, pin in 10, close. Wt 8th and 9th, etc 7th and 8th, 6th and 7th, 5th and 6th, 4th and 5th, 3d and 4th, pin in 11, close, etc 4th and 5th, 5th and 6th, 6th and 7th, 7th and 8th, tw 8th, wt 8th and 9th, 9th and 10th. Tw once the 3d to 7th pairs, inclusive.

Wt 2d and 3d, 1st and 2d, pin in 12, close, wt 2d and 3d; ht 3d and 4th, pin in 13, close, wt 2d and 3d, 1st and 2d, pin in 14, close, ht 4th and 5th, pin in 15, close, ht 3d and 4th, pin in 16, close, wt 2d and 3d, 1st and 2d, pin in 17, close, wt 2d and 3d, ht 5th and 6th, pin in 18, close, ht 4th and 5th, pin in 19, close, ht 3d and 4th, pin in 20, close, wt 2nd and 3d, 1st and 2d, pin in 21, close, wt 2d and 3d. Ht 6th and 7th, pin in 22, close, ht 5th and 6th, pin in 23, close, ht 4th and 5th, pin in 24 close, ht 3d and 4th, pin in 25, close, wt 2d and 3d, 1st and 2d, pin in 26, close, wt 2d and 3d. Ht 7th and 8th, pin in 27, close, ht 6th and 7th, pin in 28, close, ht 5th and 6th, pin in 29, close, ht 4th and 5th, pin in 30, close, ht 3d and 4th, pin in 31, close, wt 2d and 3d, 1st and 2d, pin in 32, close, wt 2d and 3d. Ht 8th and 9th, pin in 33, close, ht 7th and 8th, pin in 34, close, ht 6th and 7th, pin in 35, close, ht 5th and 6th, pin in 36, close, ht 4th and 5th, pin in 37, close, ht 3d and 4th, pin in 38, close, wt 2d and 3d, 1st and 2d, pin in 39, close, wt 2d and 3d.

Wt 9th and 10th, 8th and 9th, etc 7th and 8th, 6th and 7th, 5th and 6th, 4th and 5th, 3d and

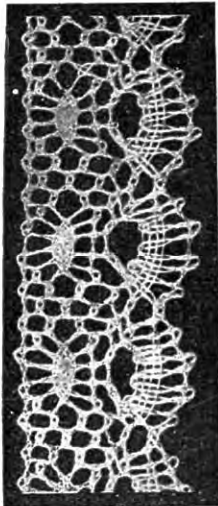
4th, pin in 40, close, etc 4th and 5th, 5th and 6th, 6th and 7th, 7th and 8th, tw 8th, wt 8th and 9th, 9th and 10th, pin in 41, close; wt 8th and 9th, etc 7th and 8th, 6th and 7th, 5th and 6th, 4th and 5th, pin in 42, close, etc 5th and 6th, 6th and 7th, 7th and 8th, tw 8th, wt 8th and 9th, 9th and 10th, pin in 43, close. Wt 8th and 9th, etc 7th and 8th, 6th and 7th, 5th and 6th, pin in 44, close, etc 6th and 7th, 7th and 8th, tw 8th, wt 8th and 9th, 9th and 10th, pin in 45, close; wt 8th and 9th, etc 7th and 8th, 6th and 7th, pin in 46, close, etc 7th and 8th, tw 8th, wt 8th and 9th, 9th and 10th, pin in 47, close; wt 8th and 9th, etc 7th and 8th, pin in 48, close, tw 8th, wt 8th and 9th, 9th and 10th, pin in 49 close. Tw once the pairs, 3d to 7th inclusive. Repeat instructions.

LESSON No. 10.

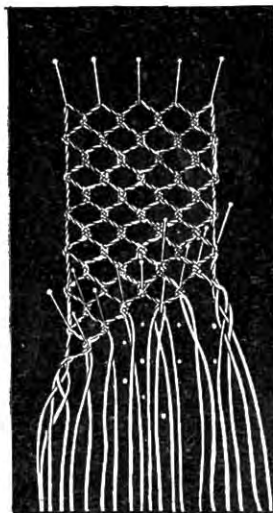
Brussels Net Ground. Use for this lesson, the pattern for Plain Hole Ground, and 20 bobbins, or 10 pairs. Barbour's Irish flax thread, No. 90 or 100, is the required size. The wt instead of ht, is used, thus:—wt 2d and 3d, pin in 1, close with wt. Wt 1st and 2d, pin in 2, close. Wt 4th and 5th, pin in 3, close. Wt 3d and 4th, pin in 4, close. Wt 2d and 3d, pin in 5, close. Wt 1st and 2d, pin in 6, close. Continue on diagonal lines, to desired length.

LESSON NO. 11.

Edging. This pattern requires 26 bobbins, or 13 pairs, and Barbour's Irish flax thread, No. 80 or 90. Pin 2 pairs of threads in 14, one pair each in 11, 12, 13, 25, 28, 29, and 30, and 4 pairs in 22. Twist once the pairs 2d to 7th inclusive, and with them make a "spider," thus:—etc



Lesson No. 11—Edging.



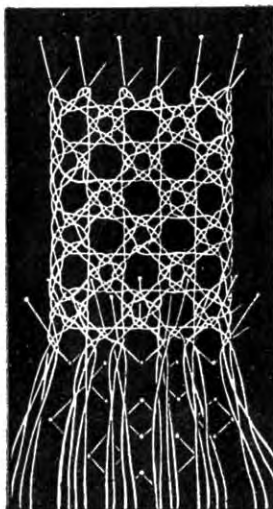
Lesson No. 10—Brussels Net Ground.

Ctc 4th and 5th, 3d and 4th, 2d and 3d. Ctc 5th and 6th, 4th and 5th, 3d and 4th. Ctc 6th and 7th, 5th and 6th 4th and 5th, pin in 1. Ctc 4th and 5th, 3d and 4th, 2d and 3d. Ctc 5th and 6th, 4th and 5th, 3d and 4th. Ctc 6th and 7th, 5th and 6th, 4th and 5th. Tw twice, 2d to 7th pairs. Wt 1st and 2d, pin in 2, close. Wt 2d and 3d, pin in 3, close. Wt 1st and 2d, pin in 4, close. Wt 3d and 4th, pin in 5, close. Wt 2d and 3d, pin in 6, close. Wt 1st and 2d, pin in 7, close. Wt 7th and 8th, 8th and 9th, pin in 8, close. Wt 6th and 7th, pin in 9, close. Wt 5th and 6th, pin in 10, close. Wt 4th and 5th, pin in 11, close. Wt 3d and 4th, pin in 12, close. Wt 2d and 3d, pin in 13, close. Wt 1st and 2d, pin in 14, close.

SCALLOP.—Ctc 11th and 12th, 12th and 13th, pin in 15, close. Ctc 11th and 12th, 10th and 11th, pin in 16, close. Ctc 11th and 12th, tw 12th, wt 12th and 13th, pin in 17, close. Ctc 11th and 12th, 10th and 11th, pin in 18, close. Ctc 11th and 12th, tw 11th, wt 12th and 13th, pin in 19, close. Ctc 11th and 12, 10th and 11th, pin in 20 close. Ctc 11th and 12th, tw 12th, wt 12th and 13th, pin in 21, close. Ctc 9th and 10th, 10th and 11th, wt 11th and 12th, tw 12th, wt 12th and 13th, pin in 22, close. Wt 11th

and 12th. Wt 8th and 9th, 7th and 8th, pin in 23, close. Wt 6th and 7th, pin in 24, close. Wt 5th and 6th, pin in 25, close. Wt 9th and 10th, pin in 26, close. Wt 8th and 9th, 7th and 8th, pin in 27, close. Wt 6th and 7th, pin in 28 close. Wt 10th and 11th, pin in 29, close. Wt 9th and 10th, 8th and 9th, pin in 30, close. Wt 7th and 8th, and repeat from the beginning.

LESSON NO. 12.



Lesson No 12—Pin-Check or Ornamental Ground.

Pin-Check or Ornamental Ground. This pattern in

width given, requires 28 bobbins, or 14 pairs, and Barbour's Irish flax thread, Nos. 60 to 90. It is a pretty and much-used detail of the lace-making art. Pin 2 pairs of threads, each, in a, b, c, d, e, f, and g. Ht with 2d and 3d, pin in 1, close. Ht 4th and 5th, pin in 2, close. Ht 3d and 4th, pin in 3, close. Wt 2d and 3d, 4th and 5th; ht 1st and 2d, pin in 4, close. Ht 6th and 7th, pin in 5, close; ht 8th and 9th, pin in 6, close. Ht 7th and 8th, pin in 7, close; wt 6th and 7th, 8th and 9th. Ht 5th and 6th, pin in 8, close. Ht 4th and 5th, pin in 9, close. Ht 6th and 7th, pin in 10, close. Ht 5th and 6th, pin in 11, close; wt 4th and 5th, 6th and 7th. Ht 3d and 4, pin in 12, close. Ht 2d and 3d pin in 13, close. Ht 4th and 5th, pin in 14, close. Ht 3d and 4th, pin in 15, close; wt 2d and 3d, 4th and 5th. Ht 1st and 2d, pin in 16, close. Ht 10th and 11th, pin in 17, close. Ht 12th and 13th pin in 18, close. Ht 11th and 12th, pin in 19, close; wt 10th and 11th, 12th and 13th. Ht 9th and 10th, pin in dot at upper point of the second square in the row, close. Ht 8th and 9th, pin in dot at left point of second square, close. Ht 10th and 11th, pin in dot at right point of second square, close. Ht 9th and 10th, pin in dot at lower point of second square, close; wt 8th and 9th, 10th and 11th.

Ht 7th and 8th, pin in upper point of 3d square, close. Ht 6th and 7th, pin in left point of 3d square, close. Ht 8th and 9th, pin in right point of 3d square, close. Ht 7th and 8th, pin in lower point of 3d square, close; wt 6th and 7th, 8th and 9th.

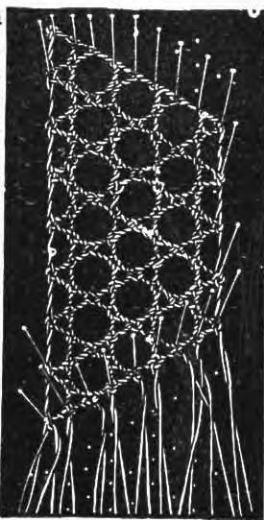
Ht 5th and 6th, pin in upper point of 4th square, close. Ht 4th and 5th, pin in left point of 4th square, close. Ht 6th and 7th, pin in right point of 4th square, close. Ht 5th and 6th, pin in lower point of 4th square, close; wt 4th and 5th, 6th and 7th.

Ht 3d and 4th, pin in upper point of 5th square close. Ht 2d and 3d, pin in left point of 5th square, close. Ht 4th and 5th, pin in right point of 5th square, close. Ht 3d and 4th, pin in lower point of 5th square, close; wt 2d and 3d, 4th and 5th. Ht 1st and 2d, pin in last dot. Ht 13th and 14th, 12th and 13th, pin in dot just below 18, close. Ht 11th and 12th, pin in dot just below 19, close. Ht 10th and 11th, pin in second dot below 17, close. Ht 12th and 13th, pin in second dot below 18, close. Ht 11th and 12th, pin in second dot below 19, close; wt 10th and 11th, 12th and 13th; ht 13th and 14th. Continue to desired length.

LESSON NO. 13.

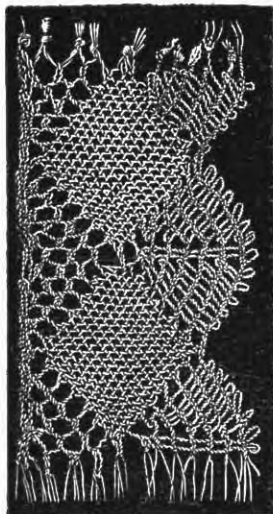
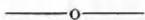
Rose Ground. This pattern requires, in the width given, 20 bobbins, or 10 pairs, and Barbour's Irish flax thread, Nos. 70 to 90. Pin 2 pairs in a, 1 pair each, in b, c, d, e, f, g, h, and i. Ht 2d and 3d, tw both pairs, pin in 1, close, and

tw both pairs. Ht 1st and 2d, tw both pairs, pin in 2, close, tw both pairs; ht 2d and 3d, tw both pairs, pin in 3, close, tw both pairs; ht 4th and 5th, tw, pin in 4, close and tw; ht 3d and 4th, tw, pin in 5, close and tw; ht 2d and 3d, tw, pin in 6, and close and tw; ht 1st and 2d, tw, pin in 7, close and tw; ht 4th and 5th, tw, pin in 8, close and tw; ht 2d and 3d, tw, pin in 9, close and tw; ht 6th 7th, tw, pin in 10, close and tw; ht 5th and 6th, tw, pin in 11, close and tw; ht 4th and 5th, tw, pin in 12, close and tw; ht 3d and 4th, tw, pin in 13, close and tw; ht 2d and 3d, tw, pin in 14, close and tw; ht 1st and 2d, tw, pin in 15, close and tw; ht 6th and 7th, tw, pin in 16, close and tw; ht 4th and 5th, tw, pin in 17, close and tw; ht 2d and 3d, tw, pin in 18, close and tw; ht 8th and 9th, tw, pin in 19, close and tw; ht 7th and 8th, tw, pin in 20, close and tw; ht 6th and 7th, tw, pin in 21, close and tw; ht 5th and 6th, tw, pin in 22, close and tw; ht 4th and 5th, tw, pin in 23, close and tw; ht 3d and 4th, tw, pin in 24, close and tw; ht 2d and 3d, tw, pin in 25, close and tw; ht 1st and 2d, tw, pin in 26, close and tw; ht 8th and 9th, tw, pin in 27, close and tw; ht 6th and 7th, tw, pin in 28, close and tw; ht 4th and 5th, tw, pin in 29, close and tw; ht 2d and 3d, tw, pin in 30, close and tw. This makes a very pretty net, suitable for veils and similar purposes.



Lesson No. 13.
Rose Ground.

LESSON No. 14.



Lesson No. 14—Block Lace.

Block Lace. This pattern requires 40 bobbins, or 20 pairs, and Barbour's Irish flax thread, Nos. 80 or 90. Pin 3 pairs of threads in 64 and 79. 2 pairs, each, in 65, 66, 67 and 51, and 1 pair, each, in 68, 70, 72, 74, 76, 78. Begin with Brussels-Net Ground, at left of pattern. Wt 3d and 4th pairs, pin in 1, close with wt. Wt 5th and 6th, pin in 2, close. Wt 7th and 8th, pin in 3, close. Wt 2d and 3d, pin in 4, wt 1st and 2d, 2d and 3d; wt 4th and 5th, pin in 5, close. Wt 6th and 7th, pin in 6, close. Wt 3d and 4th, pin in 7, close. Wt 5th and 6th, pin in 8, close. Wt 2d and 3d, pin in 9. Wt 1st and 2d, 2nd and 3d. Wt 4th and 5th, pin in 10, close. Wt 3d and 4th, pin in 11, close. Wt 2d and 3d, pin in 12; wt 1st and 2d, 2nd and 3d.

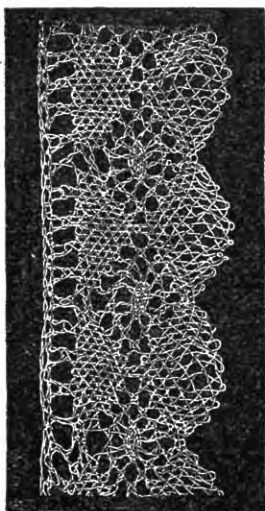
Scallop—Wt 18th and 19th, pin in 13, close. Wt 19th and 20th, pin in 16, close. Wt 18th and 19th, 17th and 18th, pin in 15, close. Wt to right, using 20th pair, pin in 18, close. Wt to left, using 16th pair, pin in 17, close. Wt to right, using 20th pair, pin in 20, close. Wt to left, using 15th pair, pin in 19, close. Wt to right, using 20th pair, pin in 22, close. Wt to left, using 14th pair, pin in 21, close. Wt to right, using 20th pair, pin in 24, close. Wt to left, using 13th pair, pin in 23,

close. Wt to right, using 20th pair, and lay aside scallop-threads without pinning.

Block.—Ht 11th and 12th, pin in 25, close. Ht 10th and 11th, 9th and 10th, pin in 26, close. Ht to right, using 13th pair, pin in 27, close. Ht to left, using 8th pair, pin in 28, close. Ht to right, using 14th pair, pin in 29, close. Ht to left, using 7th pair, pin in 30, close. Ht to right, using 15th pair, pin in 31, close. Ht to left, using 6th pair, pin in 32, close. Ht to right, using 16th pair, pin in 33, close. Ht to left, using 5th pair, pin in 34, close. Ht to right, using 17th pair, pin in 35, close. Ht to left, using 4th pair, pin in 36, close. Ht to right, using 18th pair, pin in 37, close. Ht to left, using 3d pair, pin in 38, close.

The middle or widest part of the Block having now been reached, the decreasing or narrowing begins. This is accomplished by leaving off a pair at either side, until the Block is completed, thus:—Ht 10th and 11th, pin in 51, close. Work Brussels Net-Ground at left of pattern. Work first-half of Scallop, Thus:—Wt 19th and 20th, pin in 69, close. Wt 18th and 19th, 17th and 18th, 16th and 17th, 15th and 16th, 14th and 15th, 13th and 14th, pin in 68, close. Wt to right, using 20th pair, pin in 71, close. Wt to left, using 14th pair, pin in 70, close. Wt to right, using 20th pair, pin in 73, close. Wt to left, using 15th pair, pin in 72, close. Wt to right, using 20th pair, pin in 75, close. Wt to left, using 16th pair, pin in 74, close. Wt to right, using 20th pair, pin in 77, close. Wt, to left, using 17th pair, pin in 76, close. Wt to right, using 20th pair, pin in 79, close. Wt to left, using 18th pair, pin in 78, close. Wt 19th and 20th, pin in in 80, close. Wt to left, using 12th pair, pin in 81, close. Wt to right, using 20th pair, pin in 14, close. Repeat from the beginning of instructions.

LESSON No. 15.



Lesson No. 15.
Diamond Antique Edging.

Diamond Antique Edging. This pattern requires 34 bobbins, or 17 pairs, and Barbour's Irish flax thread, No. 120. Pin 6 pairs of threads in 54, 3 pairs in 59, and 20, 2 pairs in 57, and 1 pair each in 35, 50, and 45, Ctc 10th and 11th, 9th and 10th, 8th and 9th,. Ctc 11th and 12th, 10th and 11th, 9th and 10th. Ctc 12th and 13th, 11th and 12th, 10th and 11th. Twist twice the pairs, 8th to 13th, inclusive. Wt 13th and 14th, pin in 1, close. Wt 12th and 13th, pin in 2, close. Wt 11th and 12th, pin in 3, close. Wt 7th and 8th, pin in 4, close. Wt 8th and 9th, pin in 5, close. Wt 9th and 10th, pin in 6, close. Wt 10th and 11th, pin in 7, close. Ht 6th and 7th, pin in 8, close. Ht 5th and 6th, 4th and 5th, pin in 9, close. Ht 5th and 6th, 6th and 7th, 7th and 8th, pin in 10, close. Ht to left, using 3d pair, pin in 11, close. Make edge thus:—Wt 2d and 3d, ht 1st and 2d, pin in 13, close with ht, wt 2d and 3d. Ht 4th and 5th, 5th and 6th, 6th and 7th, 7th and 8th, 8th and 9th, pin in 12, close. Ht to left, using 4th pair, pin in 14, close. Ht to right, using 10th pair, pin in 15, close. Ht to left, using 3d pair, pin in 16, close. Make edge as directed, pinning in 18, close. Ht

4th and 5th, 5th and 6th, 6th and 7th, 7th and 8th, 8th and 9th, 9th and 10th, and lay aside. Ht 14th and 15th, pin in 20, close. Ht 15th and 16th, 16th and 17th, pin in 21, close. Ht to left, using 13th pair, pin in 22, close. Ht to right, using 17th pair, pin in 23, close. Ht to left, using 12th pair, pin in 24, close. Ht to right, using 17th pair, pin in 25, close. Ht to left, using 11th pair, pin in 26, close. Ht to right, using 17th pair, pin in 27, close. Ht to left, using 10th pair, pin in 17, close. Ht to right, using 17th pair, pin in 38, close. Ht to left, using 11th pair, pin in 39, close. Ht to right, using 17th pair, pin in 40, close. Ht to left, using 12th pair, pin in 41, close. Ht to right, using 17th pair, pin in 42, close. Ht to left, using 13th pair, pin in 43, close. Ht to right, using 17th pair, pin in 44, close. Ht to left, using 14th pair, pin in 45, close. Ht to right, using 17th pair, pin in 46, close. Ht to left, using 15th pair, and lay aside 3 pairs. Ht 9th and 10th, 8th and 9th, 7th and 8th, 6th and 7th, 5th and 6th, 4th and 5th, pin in 19, close.

Ht to right, using 10th pair, pin in 28, close; ht to left, using 3d pair, pin in 29, close. Make edge, pinning in 30. Ht 4th and 5th, 5th and 6th, 6th and 7th, 7th and 8th, 8th and 9th, pin in 31, close; ht to left using 4th pair, pin in 32, close; ht to right, using 8th pair, pin in 33, close; ht to left, using 3d pair, pin in 34, close. Make edge, pinning in 37; ht 4th and 5th, 5th and 6th, 6th and 7th, pin in 35, close; ht to left, using 4th pair, pin in 36, close; ht 3d and 4th, pin in 55, close. Make edge, pinning in 56; ht 4th and 5th, 5th and 6th, and lay aside these threads. Wt 10th and 11th, pin in 47, close; wt 9th and 10th, pin in 48, close; wt 8th and 9th, pin in 49, close; wt 7th and 8th, pin in 50, close; wt 11th and 12th, pin in 51, close; wt 12th and 13th, pin in 52, close; wt 13th and 14th, pin in 53, close.

Twist once, the pairs, 8th to 13th, and then make a "spider," pinning center in 54; ht 5th and 6th, 4th and 5th, pin in 57, close; ht 3d and 4th, pin in 58, close. Make edge, pinning in 59. Repeat instructions, beginning at "wt, 13th and 14th, pin in 1," etc.

LESSON No. 16.

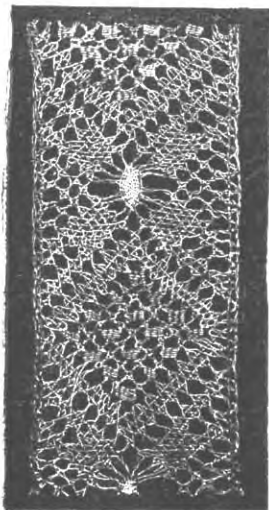
Jewel Insertion.

This pattern requires 44 bobbins, or 22 pairs, and should be made of Barbour's Irish flax thread, not coarser than No. 120. Pin 3 pairs of threads, each, in A and R, and 1 pair each in the other letters at top of pattern. It is always most convenient to begin an Insertion in the middle of the pattern, and to do so, in this instance, work net-ground on upper left side of jewel square, thus:—

Ht 11th and 12th, pin in 1, close; ht 10th and 11th, pin in 2, close; ht 11th and 12th, pin in 3, close; ht 10th and 11th, 9th and 10th, pin in 4, close; ht 10th and 11th, pin in 5, close; ht 9th and 10th, 8th and 9th, pin in 6, close; ht 9th and 10th, pin in 7, close; ht 8th and 9th, 7th and 8th, pin in 8, close; ht 8th and 9th, pin in 9, close; ht 7th and 8th, 6th and 7th, pin in 10, close; ht 7th and 8th, pin in 11, close; ht 6th and 7th, 5th and 6th, pin in 12, close; ht 6th and 7th, pin in 13, close; ht 5th and 6th, 4th and 5th, pin in 14, close; ht 5th and 6th, pin in 15, close; ht 4th and 5th, 3d and 4th, pin in 16, close; ht 4th and 5th, pin in 17, close; ht 3d and 4th, wt 2d and 3d, ht 1st and 2d, pin in 18, close, wt 2d and 3d.

Work net ground, on upper right side of jewel-square, thus:—ht 12th and 13th, pin in 19, close; ht 13th and 14th, pin in 20, close; ht 12 and 13th, pin in 21, close; ht 13th and

14th, 14th and 15th, pin in 22, close; ht 13th and 14th, pin in 23, close; ht 14th and 15th, 15th and 16th, pin in 24, close; ht 14th and 15th, pin in 25, close; ht 15th and 16th, 16th and 17th, pin in 26, close; ht 15 and 16, pin in 27, close; ht 16th and 17th, 17th and 18th, pin in 28, close; ht 16th and 17th, pin in 29, close; ht 17th and 18th, 18th and 19th, pin in 30, close; ht 17th and 18th, pin in 31, close; ht 18th and 19th, 19th and 20th, pin in 32, close; ht 18th and 19th, pin in 33, close; ht 19th and 20th, wt 20th and 21st, ht 21st and 22d, pin in 34, close; wt 20th and 21st; ht 19th and 20th, pin in 35, close; wt 20th and 21st, ht 21st and 22d, pin in un-numbered dot on edge, close, wt 20th and 21st.



Lesson No. 16—Jewel Insertion.

To make a "Jewel." For the first-one, select the 11th and 12th pairs. Pass right bobbin of 11th pair, over left bobbin of 12th pair, under right bobbin of 12th pair, back over right and under left bobbins of 12th pair, over left bobbin of 11th pair. Make this "weave," four more times, holding the three "passive bobbins" in the left hand, with threads drawn taut, and holding the shuttle or "working" bobbin in the right hand. When the weaving is done, be very careful not to injure the shape of the "jewel" by pulling on the shuttle thread, but draw the jewel to place by using the three passive threads for the purpose. Twist both pairs once. Wt 10th and 11th pairs, pin in 36, close. With 9th and 10th pairs, make a "jewel," as above. Wt 8th and 9th, pin in 37, close. With 7th and 8th, make a "jewel," wt 6th and 7th, pin in 38, close. With 5th and 6th pairs, make a "jewel." Ht 12th and 13th, pin in 39, close. Ht 11th and 12th, pin in 40, close. Ht 10th and 11th, pin in 41, close. Ht 9th and 10th, pin in 42, close. Ht 8th and 9th, pin in 43, close. Ht 7th and 8th, pin in 44, close. Ht 6th and 7th, pin in 81, close.

Beginning with 13th and 14th pairs, make another row of four jewels, pinning in 45, 46, 47. Beginning with 14th and 15th pairs, ht to left, diagonally pinning in 48, 49, 50, 51, 52, 53 and 82. Beginning with 15th and 16th, make another row of four jewels, pinning in 54, 55 and 56. Beginning with 16th and 17th, ht to left, pinning in 57, 58, 59, 60, 61, 62 and 83. Beginning with 17th and 18th, make another row of jewels, pinning in 63, 64 and 65. Ht 19th and 20th, 18th and 19th, pin in 68, close. Ht 19th and 20th, pin in 66, close. Ht 18th and 19th, 17th and 18th, pin in 69, close. Ht 18th and 19th, pin in 70, close. Ht 17th and 18th, 16th and 17th, pin in in 71, close. Ht 17th and 18th, pin in 72, close. Ht 16th and 17th, 15th and 16th, pin in 73, close. Ht 16th and 17th, pin in 74, close. Ht 15th and 16th, 14th and 15th, pin in 75, close. Ht 15th and 16th, pin in 76, close. Ht 14th and 15th, 13th and 14th, pin in 77, close. Ht 14th and 15th, pin in 78, close. Ht 13th and 14th, 12th and 13th, pin in 79, close. Ht 13th and 14th, pin in 80, close. Ht 12th and 13th.

To make net-ground on lower left of the jewel-square, ht 3d and 4th, pin in 84, close. Wt 2d and 3d, ht 1st and 2d, pin in 85, close; wt 2d and 3d, ht 3d and 4th, 4th and 5th, pin in 86, close. Ht 3d and 4th, pin in 87, close. Ht 4th and 5th, 5th and 6th, pin in 88, close. Ht 4th and 5th, pin in 89, close. Ht 5th and 6th, 6th and 7th, pin in 90, close.

Ht 5th and 6th, pin in 91, close; ht 6th and 7th, 7th and 8th, pin in 92, close; ht 6th and 7th, pin in 93, close; ht 7th and 8th, 8th and 9th, pin in 94, close; ht 7th and 8th, pin in 95, close; ht 8th and 9th, 9th and 10th, pin in 96, close; ht 8th and 9th, pin in 97, close; ht 9th and 10th, 10th and 11th, pin in 98, close; ht 9th and 10th, pin in 99, close; ht 10th and 11th, 11th and 12th, pin in 100, close; ht 10th and 11th, pin in 101, close; ht 11th and 12th, 12th and 13th, pin in 102, close; ht 11th and 12th, pin in 103, close. Wt 2d and 3d, ht 1st and 2d, pin in 104, close. Wt 2d and 3d, ht 3d and 4th, pin in 105, close. Wt 2d and 3d, ht 1st and 2d, pin in 106, close. Wt 2d and 3d, ht 3d and 4th, 4th and 5th, pin in 107, close; ht 3d and 4th, pin in 108, close; ht 4th and 5th, 5th and 6th, pin in 110, close; ht 4th and 5th, pin in 111, close; ht 5th and 6th, 6th and 7th, pin in 114, close; ht 5th and 6th, pin in 115; ht 6th and 7th.

Wt 2d and 3d, ht 1st and 2d, pin in 109, close. Wt 2d and 3d; ht 3d and 4th, pin in 112, close. Wt 2d and 3d, ht 1st and 2d, pin in 113, close. Wt 2d and 3d, ht 3d and 4th, 4th and 5th, pin in 116, close. Ht 3d and 4th, pin in 117, close. Ht 4th and 5th, wt 2d and 3d, ht 1st and 2d, pin in 118, close. Wt 2nd and 3d, wt 20th and 21st, ht 21st and 22d, pin in 67, close. Wt 20th and 21st, ht 19th and 20th, pin in 119, close. Wt 20th and 21st, ht 21st and 22d, pin in 120, close. Wt 20th and 21st, ht 19th and 20th, 18th and 19th, pin in 121, close; ht 19th and 20th, pin in 122, close; ht 18th and 19th, 17th and 18th, pin in 124, close; ht 18th and 19th, pin in 125, close; ht 17th and 18th, 16th and 17th, pin in 128, close; ht 17th and 18th, pin in 129, close; ht 16th and 17th, wt 20th and 21st, ht 21st and 22d, pin in 123, close. Wt 20th and 21st; ht 19th and 20th, pin in 126, close. Wt 20th and 21st, ht 21st and 22d, pin in 127, close. Wt 20th and 21st. Ht 19th and 20th, 18th and 19th, pin in 130, close; ht 19th and 20th, pin in 131, close; ht 18th and 19th, wt 20th and 21st, ht 21st and 22d, pin in 132, close. Wt 20th and 21st.

Net-Ground Square:—Ht 15th and 16th, pin in 133, close. With this beginning make a square, ending with, ht 15th and 16th, pin in 144, close. Make a square on the left side, beginning with, ht 7th and 8th, pin in 145, and ending with ht 7th and 8th, pin in 156. Make hole-ground and selvage on either side, beginning on the left with, ht 4th and 5th, pin in 157, close, and ending with, ht 1st and 2d, pin in 172, close. Wt 2d and 3d. On the right begin the hole-ground with ht 19th and 20th, pin in 173, close, and end with, ht 21st and 22d, pin in 186, close. Wt 20th and 21st. Twist once, the pairs 8th to 15th inclusive, and with them make a "spider," pinning in 187. Tw twice, the pairs used. Make a net-ground square, beginning with 7th and 8th, pin in 188, ending with ht 7th and 8th, pin in 199. Make a net-ground square, beginning with ht 15th and 16th, pin in 200, ending with ht 15th and 16th, pin in 211. Ht 4th and 5th, 6th and 7th; ht 16th and 17th, 18th and 19th, ht 19th and 20th, pin in 212, close; ht 18th and 19th, pin in 214, close; ht 19th and 20th, wt 20th and 21st, ht 21st and 22d, pin in 213, close. Wt 20th and 21st; ht 19th and 20th, pin in 215, close. Wt 20th and 21st, ht 21st and 22d, pin in 216, close. Wt 20th and 21st; ht 17th and 18th, pin in 217, close; ht 16th and 17th, pin in 221, close; ht 17th and 18th, 18th and 19th, pin in 218, close; ht 17th and 18th, pin in 222, close; ht 18th and 19th, 19th and 20th, pin in 219, close; ht 18th and 19th, pin in 223, close; ht 13th and 20th, wt 20th and 21st, ht 21st and 22d, pin in 220, close. Wt 20th and 21st; ht 19th and 20th, pin in 224, close. Wt 20th and 21st, ht 21st and 22d, pin in 225, close. Wt 20th and 21st; ht 3d and 4th, pin in 226, close; ht 4th and 5th, pin in 228, close; ht 3d and 4th, wt 2d and 3d, ht 1st and 2d, pin in 227, close. Wt 2d and 3d, ht 3d and 4th, pin in

229. Wt 2nd and 3d, ht 1st and 2d, pin in 230, close. Wt 2d and 3d, ht 5th and 6th, pin in 231, close; ht 6th and 7th, pin in 235, close; ht 5th and 6th, 4th and 5th, pin in 232, close; ht 5th and 6th, pin in 236, close; ht 4th and 5th, 3d and 4th, pin in 233, close; ht 4th and 5th, pin in 237, close. Ht 3d and 4th, wt 2d and 3d, ht 1st and 2d, pin in 234, close, wt 2d and 3d. Ht 3d and 4th, pin in 238, close. Wt 2d and 3d, ht 1st and 2d, pin in 239, close. Wt 2d and 3d. Repeat instructions from the first.

LESSON No. 17.



Lasson No. 17--Spider Lace.

Spider Lace. This pattern requires 46 bobbins, or 23

pairs, and Barbour's Irish flax thread, No. 150. Pin 3 pairs of threads, each, in 124, 125 and 49. 4 pairs each, in 127 and 73, and 2 pairs each in 63, 66 and 70. Cte 2d and 3d, ht 1st and 2d, pin in 1, close. Cte 2d and 3d. This line describes the manner of making the upper edge and does not need repetition. Wt 3d and 4th, pin in 2, close. Wt 4th and 5th, pin in 3, close. Wt 5th and 6th, pin in 4, close. Wt 10th and 11th, pin in 9, close. Wt 9th and 10th, pin in 8, close. Wt 8th and 9th, pin in 7, close. Wt 7th and 8th, pin in 6, close. Wt 6th and 7th, pin 5, close. Wt 11th and 12th, pin in 10, close. Wt 12th and 13th, pin in 11, close. Wt 13th and 14th, pin in 12, close.

Begin Net-Ground, thus:—Ht 18th and 19th, pin in 13, close. Ht 19th and 20th, 20th and 21st, 21st and 22d, 22d and 23d, pin in 14, close. Ht to left, using 17th pair, pin in 15, close. Ht to right, using 22d pair, pin in 16, close. Ht to left, using 16th pair, pin in 17, close. Ht to right, using 21st pair, pin in 18, close. Ht to left, using 15th pair, pin in 19, close. Ht to right, using 20th pair, pin in 20, close.

Ht to left, using 14th pair, pin in 21, close. Ht to right, using 19th pair, pin in 22, close. Ht to left, using 14th pair, and lay these threads aside without pinning.

Make edge, pinning in 23. Ht 3d and 4th, 4th and 5th, pinning in 24, and to close, ht 3d and 4th, 4th and 5th. Wt 5th and 6th, pin in 25, close. Make edge, pinning in 26. Wt 4th and 5th, pin in 27, close. Wt 3d and 4th, pin in 28, close. Make edge, pinning in 29. Tw once the pairs, 8th to 13th, inclusive, and with them make a "spider," pinning center in 30. Twist twice the pairs used, when the spider is completed.

Wt 7th and 8th, pin in 31. Wt 8th and 9th, pin in 32, close. Wt 9th and 10th, pin in 33, close. Twist once the pairs, 4th to 9th, and with them make a spider, pinning in 34. Wt 3d and 4th, pin in 35, close. Wt 4th and 5th, pin in 36, close. Wt 5th and 6th, pin in 37, close. To resume the net-ground figure. Ht 13th and 14th, pin in 43, close. Ht to right, using 18th pair, pin in 44, close. Ht to left, using 12th pair, pin in 45, close. Ht to right, using 17th pair, pin in 46, close. Ht to left, using 11th pair, pin in 47, close. Ht to right, using 16th pair, pin in 48, close. Ht to left, using 10th pair, pin in 49, close. Ht to right, using 15th pair, pin in 73, close. Ht to left, using 11th pair, pin in 74, close. Ht to right, using 15th pair, and lay aside these threads. Wt 9th and 10th, pin in 38,

close. Wt 8th and 9th, pin in 39, close. Wt 7th and 8th, pin in 40, close. Wt 6th and 7th, pin in 41, close. Make edge, pinning in 42. Ht 3d and 4th, 4th and 5th, pin in 89, and to close, ht 3d and 4th, 4th and 5th. Make edge, pinning in 90. Wt 5th and 6th, pin in 98, close. Wt 4th and 5th, pin in 99, close. Wt 3d and 4th, pin in 100, close. Make edge, pinning in 101.

Scallop:—Wt 16th and 17th, pin in 50, close. Wt to right, using 23d pair, pin in 51, close. Wt to left, using 17th pair, pin in 52, close. Wt to right, using 23d pair, pin in 53, close. Wt to left, using 18th pair, pin in 54, close. Wt to right, using 23d pair, pin in 55, close. Wt to left, using 19th pair, pin in 56, close. Wt to right, using 23d pair, pin in 57, close. Wt to left, using 20th pair, pin in 58, close. Wt to right, using 23d pair, pin in 59, close. Wt to left, using 21st pair, pin in 60, close. Wt 22d and 23d, pin in 61, close. Wt 21st and 22d, pin in 62, close. Wt 22d and 23d, pin in 63, close.

Wt to left, using 20th pair, pin in 64, close. Wt to right, using 23d pair, pin in 65, close. Wt to left, using 19th pair, pin in 66, close. Wt to right, using 23d pair, pin in 67, close. Wt to left, using 18th pair, pin in 68, close. Wt to right, using 23d pair, pin in 69, close. Wt to left, using 17th pair, pin in 70, close. Wt to right, using 23d pair, pin in 71, close. Wt to left, using 16th pair, pin in 72, close.

To resume net-ground, ht 15th and 16th, pin in 75, close. Ht to left, using 12th pair, pin in 76, close. Ht to right, using 17th pair, pin in 77, close. Ht to left, using 13th pair, pin in 78, close. Ht to right using 18th pair, pin in 79, close. Ht to left, using 14th pair, pin in 80, close. Ht to right, using 19th pair, pin in 81, close. Ht to left, using 15th pair, pin in 82, close. Ht to right, using 20th pair, pin in 83, close; ht to left, using 16th pair, pin in 84, close; ht to right, using 21st pair, pin in 85, close; ht to left, using 17th pair, pin in 86, close; ht to right, using 22d pair, pin in 87, close; ht to left, using 19th pair and lay these threads aside, without pinning. Tw once the pairs 8th to 13th. and with them, make a "spider," pinning in 88. Tw twice the pairs used.

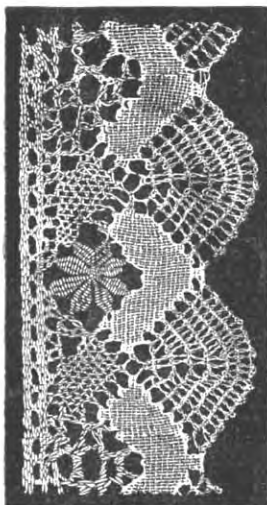
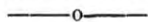
Wt 7th and 8th, pin in 91, close. Wt 8th and 9th, pin in 92, close. Wt 9th and 10th, pin in 93, close. Wt 13th and 14th, pin in 94, close. Wt 12th and 13th, pin in 95, close. Wt 11th and 12th, pin in 96, close. Wt 10th and 11th, pin in 97, close. Tw once the pairs, 4th to 9th, and with them make a "spider," pinning in 102. Tw twice the pairs used. Wt 3d and 4th, pin in 103. Wt 4th and 5th, pin in 104, close. Wt 5th and 6th, pin in 105, close. Make edge, pinning in 106. Ht 3d and 4th, 4th and 5th, pin in 107, and to close; ht 3d and 4th, 4th and 5th. Make edge, pinning in 108. Wt 9th and 10th, pin in 113, close. Wt 8th and 9th, pin in 114, close. Wt 7th and 8th, pin in 115, close. Wt 6th and 7th, pin in 116, close. Tw once the pairs, 12th to 17th, and make a "spider," pinning in 109. Tw twice the pairs used.

Wt 11th and 12th, pin in in 110, close. Wt 12th and 13th, pin in 111, close. Wt 13th and 14th, pin in 112, close. Tw once the pairs 8th to 13th, and make a "spider," pinning in 117. Tw twice the pairs used. Wt 7th and 8th, pin in 118, close. Wt 8th and 9th, pin in 119, close. Wt 9th and 10th, pin in 120, close. Wt 5th and 6th, pin in 121, close. Wt 4th and 5th, pin in 122, close. Wt 3d and 4th, pin in 123, close. Make edge, pinning in 124. Tw once the pairs, 4th to 9th, and with them make a "spider," pinning in 125. Tw twice the pairs used. Wt 3d and 4th, pin in 126, close. Wt 4th and 5th, pin in 127, close. Wt 5th and 6th, pin in 128, close. Make edge, pinning in 133. Ht 3d and 4th, 4th and 5th, pin in 134, and to close ht 3d and 4th, 4th and 5th. Make edge, pinning in

135. Continue net-ground from the beginning, 13, as instructed above, and work to 74. Then make another scallop, as before, and resume net-ground, working again to 13. Then proceed thus:—

Wt 9th and 10th, pin in 129, close. Wt 8th and 9th, pin in 130, close. Wt 7th and 8th, pin in 131, close. Wt 6th and 7th, pin in 132, close. Tw once the pairs, 8th to 13th, and with them make a "spider," pinning in 136. Wt 13th and 14th, pin in 137, close. Wt 12th and 13th, pin in 138, close. Wt 11th and 12th, pin in 139, close. Wt 7th and 8th, pin in 140, close. Wt 8th and 9th, pin in 141, close. Wt 9th and 10th, pin in 142, close. Tw the pairs 4th to 9th, and with them make a "spider," pinning in 146. Tw pairs used. Tw once the pairs, 12th to 17th, and make a spider, pinning in 147. Twist twice the pairs used.

LESSON No. 18.



Lesson No. 18—Medici Lace.

Medici Lace. This illustration is reduced to one-half the actual size of pattern. It requires 48 bobbins, or 24 pairs, and Barbour's Irish Flax thread, No. 70. Pin 2 pairs of threads, each, at 90 and 92, 1 pair, each, at 104, 106, 108 5 pairs at 100, and 2 pairs, each, at 105, 131, 65, 66, 67, and 62.

Ctc 3d and 4th, pin in 1, close, etc 2d and 3d, 1st and 2d, pin in 2, close, etc 2d and 3d. Ctc 4th and 5th, 5th and 6th, tw 6th, ht 7th and 8th, pin in 3, close, ht 9th and 10th, pin in 4, close, ht 8th and 9th, pin in 5, close, wt 7th and 8th, 9th and 10th. Ht 6th and 7th, pin in 6, close, etc 5th and 6th. 4th and 5th, 3d and 4th, pin in 7, close, etc 4th and 5th, 5th and 6th, tw 6th. Ht 7th and 8th, pin in 8, close, ht 6th and 7th, pin in 9, close, wt 7th and 8th. Ctc 2d and 3d, 1st and 2d, pin in 10, close, etc 2d and 3d. Ctc 5th and 6th, 4th and 5th, 3d and 4th, pin in 11, close, etc 4th and 5th, 5th and 6th, tw 6th. Ht 11th and 12th, pin in 12, close, ht 13th and 14th, pin in 13, close, ht 12th and 13th, pin in 14, close, wt 11th and 12th, 13th and 14th, ht 10th and 11th, pin in 15 close, ht, 9th and 10th, pin in 16, close, ht 11th and 12th, pin in 17, close. ht 10th and 11th, pin in 18, close, wt 9th and 10th, 11th and 12th. Ht 8th and 9th, pin in 19, close, ht 7th and 8th, pin in 20,

close, ht 9th and 10th, pin in 21, close, ht 8th and 9th, pin in 22, close, wt 7th and 8th, 9th and 10. Ht 6th and 7th, pin in 23, close, etc 2d and 3d, 1st and 2d, pin in 24, close, etc 2d and 3d. Ctc 5th and 6th, 4th and 5th, 3d and 4th, pin in 25, close, etc 4th and 5th, 5th and 6th, tw 6th. Ht 7th and 8th, pin in 26, close, ht 6th and 7th, pin in 27, close, wt 7th and 8th. Ctc 2d and 3d, 1st and 2d, pin in 28, close, etc 2d and 3d. Ctc 5th and 6th, 4th and 5th, 3d and 4th, pin in 29, close, etc 2d and 3d, 1st and 2d, pin in 30, close, etc 2d and 3d; etc 4th and 5th, 5th and 6th, tw 6th.

LINEN GROUND.—Ctc 21st and 22d, pin in 31, close, etc to left, until the 15th pair is used, pin in 32, close, etc to right, until 21st is used, pin in 33, close, etc to left, until 14th is used, pin in 34, close, etc to right, until 20th is used, pin in 35, close, etc to left, until 13th is

used, pin in 36, close, etc to right, until 19th is used, pin in 37, close, etc to left, until 12th is used, pin in 38, close, etc to right until 18th is used, pin in 39, close, etc to left, until 11th is used, pin in 40, close, etc to right, until 17th is used, pin in 41, close, etc to left, until 12th is used, pin in 42, close, etc to right, until 16th is used, pin in 43, close, etc 14th and 15th, 13th and 14th, pin in 44, close, etc 14th and 15th, pin in 45, close. Tw once, 11th to 22d pairs.

NET GROUND.—Ht 10th and 11th, pin in 46, close, ht 11th and 12th, pin in 47, close, ht 10th and 11, 9th and 10th, pin in 48, close, ht to right, until 13th is used, pin in 49, close, ht to left, until 8th is used, pin in 50, close, ht to right until 14th is used, pin in 51, close, ht to left, until 7th is used, pin in 52, close, ht to right until 13th is used, pin in 53, close, ht to left until 7th is used, wt 6th and 7th, pin in 54, close, etc 5th and 6th, 4th and 5th, 3d and 4th, pin in 55, close, etc 2d and 3d, 1st and 2d, pin in 56, close, etc 2d and 3d. Ctc 4th and 5th, 5th and 6th, tw 6th; ht 7th and 8th, 8th and 9th, 9th and 10th, 10th and 11th, 11th and 12th, pin in 57, close, ht to left until 7th is used, pin in 58, close, ht to right until 11th is used, pin in 59, close, ht to left until 7th is used, wt 6th and 7th, pin in 60, close, etc 5th and 6th, 4th and 5th, 3d and 4th, pin in 61, close, etc 2d and 3d, 1st and 2d, pin in 62, close, etc 2d and 3d. Ctc 4th and 5th, 5th and 6th, tw 6th. Ht 7th and 8th, 8th and 9th, 9th and 10th, pin in 63, close, ht 8th and 9th, 7th and 8th, pin in 64, close, ht 8th and 9th, pin in 65, close, ht 7th and 8th, wt 6th and 7th, pin in 66, close, etc 5th and 6th, 4th and 5th, 3d and 4th, pin in 67, close, etc 2d and 3d, 1st and 2d, pin in 68, close, etc 2d and 3d. Ctc 4th and 5th, 5th and 6th, tw 6th, ht 7th and 8th, pin in 69, close, wt 6th and 7th, pin in 70, close, etc 5th and 6th, 4th and 5th, 3d and 4th, pin in 71, close, etc 2d and 3d, 1st and 2d, pin in 72, close, etc 2d and 3d, etc 4th and 5th, 5th and 6th, tw 6th.

SCALLOP.—Wt 23d and 24th, pin in 73, close; wt to left, until 16th is used, pin in 74, close; wt to right, until 24th is used, pin in 75, close; wt to left, until 17th is used, pin in 76, close; wt to right until 24th is used, pin in 77, close; wt to left, until 18th is used, pin in 78, close; wt to right, until 24th is used, pin in 79, close; wt to left, until 19th is used, pin in 80, close; wt to right until 24th is used, pin in 81, close; wt to left, until 20th is used, pin in 82, close; wt to right, until 24th is used, pin in 83, close; wt 22d and 23d, 21st and 22d, pin in 84, close; wt 22d and 23d, 23d and 24th, pin in 85, close; wt to left, until 15th is used, pin in 86, close; wt to right, until 24th is used, pin in 87, close; wt 22d and 23d, 21st and 22d, pin in 88, close; wt 22d and 23d, 23d and 24th, pin in 89, close; wt to left until 20th is used, pin in 90, close; wt to right, until 24th is used, pin in 91, close; wt to left, until 19th is used, pin in 92, close; wt to right, until 24th is used, pin in 93, close; wt to left, until 18th is used, pin in 94, close; wt to right, until 24th is used, pin in 95, close; wt to left, until 17th is used, pin in 96, close; wt to right, until 24th is used, pin in 97, close; wt to left, until 16th is used, pin in 98, close, wt to right, until 24th is used, pin in 99, close.

LINEN GROUND.—Ctc 14th and 15th, pin in 99, close, etc 15th and 16th, pin in 100, close, etc 14th and 15th, 13th and 14th, pin in 101, close, etc to right until 17th is used, pin in 102, close, etc to left until 12th is used, pin in 103, close, etc to right until 18th is used, pin in 104, close, etc to left until 11th is used, pin in 105, close, etc to right until 19th is used, pin in 106, close, etc to left until 12th is used, pin in 107, close, etc to right until 20th is used, pin in 108, close, etc to left until 13th is used, pin in 109, close, etc to right until 21st is used, pin in 110, close, etc to left until 14th is used, pin in 111, close, etc to right until 22d is used, pin in 112, close. Tw 11th, 12th, 13th and 14th pairs.

THE ROSETTE is made as follows:—For each of the upper four leaves, allow two pairs of threads. Weave one of the four threads, back and forth across the three others, in the manner as directed for the “jewel.” Do this ten times to make the leaf of the right length. Use 7th and 8th pairs for the first leaf, 9th and 10th for the second leaf, 11th and 12th for the third leaf, and 13th and 14th, for the fourth leaf. When the four leaves are made, join them in the center of the rosette, by using each pair of bobbins, as if it were a single bobbin, crossing them as if making a “spider,” and pinning the center 112. Then make the lower four leaves in the same way.

Ht 6th and 7th, pin in 113, close, etc 5th and 6th, 4th and 5th, 3d and 4th, pin in 114, close, etc 2d and 3d, 1st and 2d, pin in 115, close, etc 2d and 3d; etc 4th and 5th, 5th and 6th, tw 6th. Ht 7th and 8th, pin in 116, close, ht 6th and 7th, pin in 117, close, wt 7th and 8th. Ctc 5th and 6th, 4th and 5th, 3d and 4th, pin in 118, close, etc 2d and 3d, 1st and 2d, pin in 119, close, etc 2d and 3d; etc 4th and 5th, 5th and 6th, tw 6th. Ht 8th and 9th, pin in 120, close, ht 7th and 8th, pin in 121, close, ht 9th and 10th, pin in 122, close, ht 8th and 9th, pin in 123, close, wt 7th and 8th, 9th and 10th, ht 6th and 7th, pin in 124, close, etc 5th and 6th, 4th and 5th, 3d and 4th, pin in 125, close, etc 2d and 3d, 1st and 2d, pin in 126, close, etc 2d and 3d; etc 4th and 5th, 5th and 6th, tw 6th. Ht 7th and 8th, pin in 127, close, ht 6th and 7th, pin in 128, close, wt 7th and 8th. Ctc 5th and 6th, 4th and 5th, 3d and 4th, pin in 129, close, etc 2d and 3d, 1st and 2d, pin in 130, close, etc 2d and 3d; etc 4th and 5th, 5th and 6th, tw 6th.

Resume the linen ground. Ctc 21st and 22d, pin in 31, close; etc to left, until the 15th pair is used, pin in 32, close; etc to right, until 21st is used, pin in 33, close; etc to left, until 13th is used, pin in 34, close; etc to right, until 20th is used, pin in 35, close; etc to left, until 12th is used, pin in 36, close; etc to right, until 19th is used, pin in 37, close; etc to left, until 12th is used, pin in 38, close; etc to right, until 18th is used, pin in 39, close; etc to left, until 11th is used, pin in 40, close; etc to right, until 17th is used, pin in 41, close; etc to left, until 12th is used, pin in 42, close; etc to right, until 16th is used, pin in 43, close; etc 14th and 15th, 13th and 14th, pin in 44, close; etc 14th and 15th, pin in 45, close. Tw once, 11th to 22d pairs.

Resume net ground. Ht 10th and 11th, pin in 46, close, ht 11th and 12th, pin in 47, close, ht 10th and 11th, 9th and 10th, pin in 48, close, ht to right, until 13th is used, pin in 49, close, ht to left, until 8th is used, pin in 50, close, ht to right until 14th is used, pin in 51, close, ht to left, until 7th is used, pin in 52, close, ht to right until 13th is used, pin in 53, close, ht to left until 7th is used, wt 6th and 7th, pin in 54, close, etc 5th and 6th, 4th and 5th, 3d and 4th, pin in 55, close, etc 2d and 3d, 1st and 2d, pin in 56, close, etc 2d and 3d. Ctc 4th and 5th, 5th and 6th, tw 6th; ht 7th and 8th, 8th and 9th, 9th and 10th, 10th, and 11th, 11th and 12th, pin in 57, close, ht to left until 7th is used, pin in 58, close, ht to right until 11th is used, pin in 59, close, ht to left until 7th is used, wt 6th and 7th, pin in 60, close, etc 5th and 6th, 4th and 5th, 3d and 4th, pin in 61, close, etc 2d and 3d, 1st and 2d, pin in 62, close, etc 2d and 3d. Ctc 4th and 5th, 5th and 6th, tw 6th. Ht 7th and 8th, 8th and 9th, 9th and 10th, pin in 63, close, ht 8th and 9th, 7th and 8th, pin in 64, close, ht 8th and 9th, pin in 65, close, ht 7th and 8th, wt 6th and 7th, pin in 66, close, etc 5th and 6th, 4th and 5th, 3d and 4th, pin in 67, close, etc 2d and 3d, 1st and 2d, pin in 68, close, etc 2d and 3d. Ctc 4th and 5th, 5th and 6th, tw 6th, ht 7th and 8th, pin in 69, close, wt 6th and 7th, pin in 70, close.

etc 5th and 6th, 4th and 5th, 3d and 4th, pin in 71, close, etc 2d and 3d, 1st and 2d, pin in 72 close, etc 2d and 3d; etc 4th and 5th, 5th and 6th, tw 6th.

Make scallop as instructed, numbers 73 to 98.

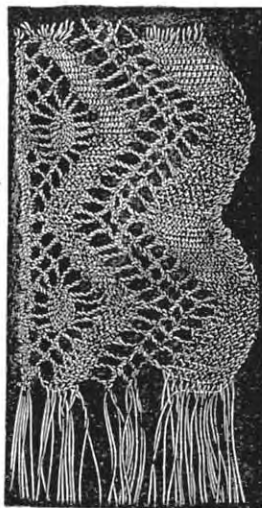
Work linen ground as instructed, numbers 99 to 111.

Wt 9th, and 10th, 11th and 12th, ht 10th and 11th, pin in 131, close, ht 9th and 10th, pin in 132, close, ht 11th and 12th, pin in 133, close, ht 10th and 11th, pin in 134, close, wt 9th and 10th, 11th and 12th. Ht 12th and 13th, pin in 135, close, ht 8th and 9th, pin in 136, close. Repeat instructions.

LESSON No. 19.

Zigzag Lace. The illustration is reduced to one-half actual size of pattern. This requires 52

bobbins, or 26 pairs, and Barbour's Irish flax thread, No. 80, Pin 5 pairs of threads, each, in 112 and 82, 4 pairs each in 113, 83 and 76, 2 pairs each, in 99 and 91. Beginning with net-ground scallop, tw 13th and 14th pairs, ht 13th and 14th, pin in 1, close. Work to right, ht with 25th and 26th, pin in 2, close. Ht to left, drop 13th pair, ht 14th and 15th, pin in 3, close. Continue to work in this way, dropping 1 pair on left each time, until you pin in 16, on edge. Work to left, ht with 21st and 22d, and put aside. For the open-hole "zigzag," tw 12th and 13th, ht, pin in 17, close. Tw 13th and 14th, ht, pin in 18, close. In this way work down to point of scallop using 19th and 20th, pin in 24, close. Tw 11th and 12th, ht, pin in 25, close. Use 12th and 13th the same way, and so on, working down to 18th and 19th, pin in 32, close. Working the net-ground zigzag, tw 8th and 9th, ht, pin in 33, close. Work to left, ht with 4th and 5th, pin in 34, close; ht to right, take in 10th, which tw. Then to left, dropping off 4th. Work in this way to the point, using 15th and 16th, pin in 47; to left, ht with 11th and 12th; put aside. On the edge, use 3 pairs, as follows: (a), tw 2d and 3d, etc, tw 1st and 2d, etc, pin in 48, close. Tw



Lesson No. 19—Zigzag Lace.

2d and 3d, etc (a). Tw 3d and 4th, ht, pin in 49, close. Repeat from (a) to (a), putting pin in 50. Tw 4th and 5th, ht, pin in 51, close. Tw 3d and 4th, ht, pin in 52, close.

Repeat edge, pin in 53. Tw 5th and 6th, ht, pin in 54, close. Tw 4th and 5th, ht, pin in 55, close. Tw 3d and 4th, ht, pin in 56, close. Repeat edge, pin in 57. Tw twice the pairs, 3d, 4th, 5th, 6th, 7th, 8th, 9th, 10th, and with them make a spider in the usual way, pinning centre in 58. Finish by twisting 3 times the pairs used. Ht 10th and 11th, pin in 59, close. Work to right, ht with 14th and 15th, pin in 60, close. Ht to left taking in 9th, pin in 61, close. Then to right, dropping 15th, continue to work back and forth, to ht, 11th and 12th, pin in 66, close; ht to left, to ht 7th and 8th, and put aside.

On edge, etc 2d and 3d, tw 1st and 2d, etc, pin in 67, close. Tw 3d and 4th, etc, pin in 68, close. Repeat edge, putting pin in 69. Tw 4th and 5th, ht, pin in 70, close. Tw 3d and 4th, ht, pin in 71, close. Repeat edge pinning in 72. Tw 5th and 6th, ht, pin in 73,

close. Tw 4th and 5th, ht, pin in 74, close. Tw 3d and 4th, ht, pin in 75, close. Repeat edge, pin in 76. Tw 6th and 7th, ht, pin in 77, close. To right, ht with 10th and 11th, pin in 78, close. To left as before, taking in 5th, pin in 79. Then to right dropping 11th, pin in 80, close. Work back and forth, putting pin in 83, between 3d and 4th; then to right, ht with 7th and 8th, put aside. This finishes the net zigzag.

To complete open-hole zigzag, tw 16th and 17th, ht, pin in 84. Same with 15th and 16th, pin in 85, close. Continue to 9th and 10th, with pin in 91. On other side, tw 17th and 18th, ht, pin in 92, close. Work in same way to 10th and 11th, pin in 99. For remainder of net-ground scallop, tw 20th and 21st, ht, pin in 100, close. To right, ht with 25th and 26th, pin in 101, close. To left taking in 19th, work as before, then work to right, and continue back and forth to 14th and 15th, pin in 112, close. To right pin in 113, and back to 13th and 14th, ht, pin in 1 again. This completes the design, which is a very useful one for many purposes.

LESSON No. 20.

Tondern Edging.

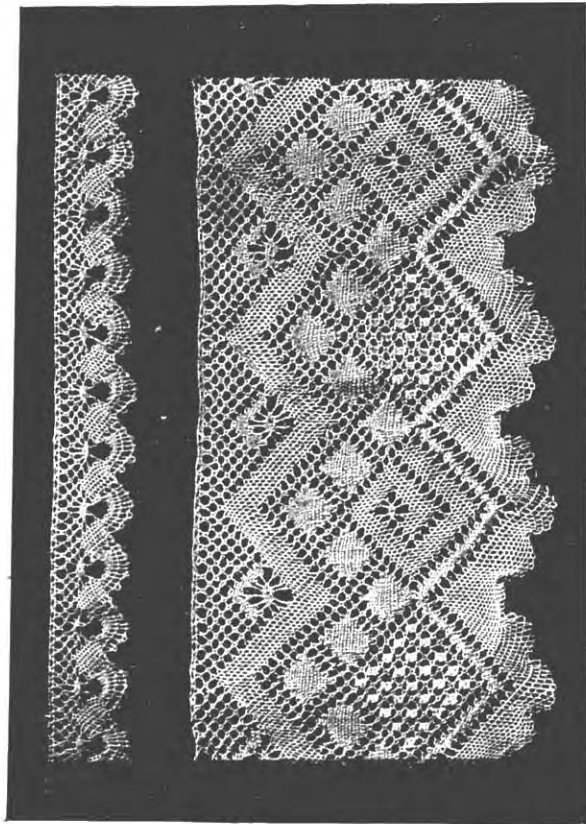
This pattern requires 28 bobbins or 14 pairs, and Barbour's Irish flax thread, Nos. 100 to 120. Pin 3 pairs of threads each, in 43, and 33, 2 pairs in 34, and one pair, each, in 23, 25, 39, 40, 41, 42. Twist once the pairs, 5th to 9th, inclusive, and with them make a "spider," having 3 "legs" on left side, and 2 "legs" on the right side. Pin in 1. Ht 4th and 5th, pin in 2, close. Ht 3d and 4th, pin in 3, close. Wt 2d and 3d, pin in 4; wt 1st and 2d, 2d and 3d. Ht 5th and 6th, pin in 5, close. Ht 4th and 5th, pin in 6, close. Ht 3d and 4th, pin in 7, close. Wt 2nd and 3d, pin in 8, wt 1st and 2d, 2d and 3d. Ht 6th and 7th, pin in 9, close. Ht 5th and 6th, pin in 10, close. Ht 4th and 5th, pin in 11, close. Ht 3d and 4th, pin in 12, close. Wt 2d and 3d, pin in 13, wt 1st and 2d, 2d and 3d. Ht 9th and 10th, pin in 14, close. Ht 8th and 9th, pin in 15, close. Ht 9th and 10th, 10th and 11th, 11th and 12th, pin in 16, close. Ht to left using 7th pair, pin in 17, close. Ht to right using 13th pair, pin in 18, close. Ht to left using 6th pair, pin in 19, close. Ht to right using 14th pair, pin in 20, close.

From this point, decrease or narrow the figure by leaving off a pair on either side, until the square is ended at, ht 9th and 10th, pin in 25, close. Scallop:—Cte 10th and 11th, 11th and 12th, tw 12th and 13th, wt, tw 13th and 14th, wt, pin in 26, close. Tw 12th and 13th, wt, tw 12th, etc 11th and 12th, 10th and 11th, pin in 27, close. Cte 11th and 12th, tw 12th and 13th, wt, tw 13th and 14th, wt, pin in 28, close. Tw 12th and 13th, wt, tw 12th, etc 11th and 12th, 10th and 11th, pin in 29, close. Cte 11th and 12th, tw 12th and 13th, wt, tw 13th and 14th, wt, pin in 30, close. Tw 12th and 13th, wt, tw 12th, etc 11th and 12th, 10th and 11th, pin in 31, close. Cte 11th and 12, tw 12th and 13th, wt, tw 13th and 14th, wt, pin in 32, close. Tw 12th and 13th, wt, tw 12th, etc 11th and 12th, 10th and 11th, pin in 33, close. Cte 11th and 12th, tw 12th and 13th, wt, tw 13th and 14th, wt, pin in 34, close. Tw 12th and 13th, wt, tw 12th, etc 11th and 12th, 10th and 11th, and lay aside the five pairs of scallop-threads without pinning.

Ht 5th and 6th, pin in 35, close. Ht 4th and 5th, pin in 36, close. Ht 3d and 4th, pin in 37, close. Wt 2d and 3d, pin in 38, wt 1st and 2d, 2d and 3d. Ht 6th and 7th, pin in 39, close. Ht 5th and 6th, pin in 40, close. Ht 4th and 5th, pin in 41, close. Ht 3d and

4th, pin in 42, close. Wt 2d and 3d, pin in 43, wt 1st and 2d, 2d and 3d. Repeat from the beginning of instructions.

LESSON No. 21.



Lesson No. 20.
Tondern Edging.

Lesson No. 21.
Maltese Lace.

Maltese Lace. This pattern requires 112 bobbins or 56 pairs, and Barbour's Irish flax thread, Nos. 50 to 80. Pin 3 pairs of threads in 831, 1 each, in 836, 842, 847, 851, 3 in 852 and 807, 5 in 806, 1 each, in 786, 720, 721, 735, 4 each, in 729 and 730, 1 each in 575, and 574, 2 each in 753 and 754, and 10 each, in 776 and 781. Ht 3d and 4th, pin in 1, close. Wt 2d and 3d, pin in 2, wt 1st and 2d, 2d and 3d. Ht 5th and 6th, pin in 3, close. Ht 4th and 5th, pin in 4, close. Ht 3d and 4th, pin in 5, close. Make edge, pin in 6. Tw twice the pairs, 11th to 16th, and make a "spider," pinning centre in 7. Twist three times the pairs used. Ctc 7th and 8th, pin in 8, close. Ctc 8th and 9th, 9th and 10th, pin in 9, close. Ctc 8th and 9th, pin in 10, close. Ctc 9th and 10th, 10th and 11th, pin in 11, close. Ctc 9th and 10th, pin in 12, close. Ctc 10th and 11th, 11th and 12th, pin in 13, close. Ctc 10th and 11th, pin in 14, close. Ctc 11th and 12th, 12th and 13th, pin in 15, close. Ctc 11th

and 12th, pin in 16, close. Twist once the pairs 7th to 13th, inclusive. Begin with 6th and 7th, and ht on a diagonal line, pinning in 17, 18, 19, 20 and 21. Continue with plain hole-ground, until a pin is placed in 51, ht 21st and 22d, pin in 52, close. Ht to left using 17th pair, pin in 53, close. Ht to right using 21st pair, pin in 54, close. Ht to left using 16th pair, pin in 55, close. Ht to right using 20th pair, pin in 56, close. Ht to left using 15th pair, pin in 57, close. Ht to right using 19th pair, pin in 58, close. Ht to left using

14th pair, pin in 59, close. Ht to right using 18th pair, pin in 60, close. Ht to left using 13th pair, pin in 61, close. Ht to right using 17th pair, pin in 62, close. Ht to left using 12th pair, pin in 63, close; ht to right using 16th pair, pin in 64, close; ht to left using 11th pair, pin in 65, close. Ht to right using 15th pair, pin in 66, close. Ht to left using 10th pair, pin in 67, close. Ht to right using 14th pair, pin in 68, close. Ht to left using 9th pair, pin in 69, close. Ht to right using 13th pair, pin in 70, close. Ht to left using 8th pair, pin in 71, close. Ht to right using 12th pair, pin in 72, close. Ht to left using 7th pair, pin in 73, close. Ht to right using 11th pair, pin in 74, close. Ht to left using 6th pair, pin in 75, close. Ht to right using 10th pair, pin in 76, close. Ht to left using 5th pair, pin in 77, close. Ht to right using 10th pair and lay aside the 6 pairs; ht 23d and 24th, pin in 78, close; ht to left on a diagonal line, pinning last in 90, between 11th and 12th pairs. Cte 25th and 26th, pin in 91, close. Cte to right using 34th pair, pin in 92, close. Cte to left using 26th pair, pin in 93, close. Cte to right using 33d pair, pin in 94, close. Cte to left using 27th pair, pin in 95, close. Cte to right using 32d pair, pin in 96, close. Cte to left using 28th pair, pin in 97, close. Cte to right using 31st pair, pin in 98, close. Cte 29th and 30th, pin in 99, close. Tw pairs 25th to 34th, ht 24th and 25th, pin in 100, close; ht 25th and 26th, pin in 101, close; ht 26th and 27th, pin in 102, close; ht 27th and 28th, pin in 103, close; ht 28th and 29th, pin in 104, close. Cte 23d and 24th, pin in 105, close. Cte 22d and 23d, pin in 106, close. Cte to right using 25th pair, pin in 107, close. Cte to left using 21st pair, pin in 108, close. Cte to right using 26th pair, pin in 109, close. Cte to left using 20th pair, pin in 110, close. Cte to right using 27th pair, pin in 111, close. Cte to left using 19th pair, pin in 112, close. Cte to right using 28th pair, pin in 113, close. Cte to left using 20th pair, pin in 114, close. Cte to right using 27th pair, pin in 115, close. Cte to left using 21st pair, pin in 116, close. Cte to right using 26th pair, pin in 117, close.

Cte to left using 22d pair, pin in 118, close. Cte to right using 25th pair, pin in 119, close. Cte 23d and 24th, pin in 120, close. Twist pairs 19th to 28th, once. Ht 18th and 19th, pin in 121, close. Ht 19th and 20th, pin in 122, close. Ht 20th and 21st, pin in 123, close. Ht 21st and 22d, pin in 124, close. Ht 22d and 23d, pin in 125, close. Make another linen-ground square, beginning with etc 17th and 18th, pin in 126, close, ending with etc 17th and 18th, pin in 141, close. Tw once the pairs, 13th to 22d, ht 12th and 13th, pin in 142, close; ht 13th and 14th, pin in 143, close; ht 14th and 15th, pin in 144, close; ht 15th and 16th, pin in 145, close; ht 16th and 17th, pin in 146, close

Resume the net-ground with, ht 10th and 11th, pin in 147, close, and work as before, taking up pairs on the right, and leaving off on the left, until the pin is placed in 158, between 10th and 11th pairs. Ht to right using 16th and lay aside the 6 pairs. Make plain-hole ground, as previously instructed, using pin-dots, up to 200.

Scallop:—Ht 55th and 56th, pin in 201, close; ht to left using 37th pair, pin in 202, close; ht to right using 56th pair, pin in 203, close; ht to left using 38th pair, pin in 204, close; ht to right using 56th pair, pin in 205, close; ht to left using 39th pair, pin in 206, close; ht to right using 56th pair, pin in 207, close; ht to left using 40th pair, pin in 208, close; ht to right using 56th pair, pin in 209, close; ht to left using 41st pair, pin in 210, close; ht to right using 56th pair, pin in 211, close; ht to left using 42d pair, pin in 212, close; ht to right using 56th pair, pin in 213, close; ht to left using 43d pair, pin in 214, close; ht to right using 56th pair, pin in 215, close; ht to left using 44th pair, pin in 216,

close; ht to right using 56th pair, pin in 217, close; ht to left using 45th pair, pin in 218, close; ht to right using 56th pair, pin in 219, close; ht to left using 46th pair, pin in 220, close; ht to right using 56th pair, pin in 221, close; ht to left using 47th pair, pin in 222, close; ht to right using 56th pair, pin in 223, close; ht to left using 48th pair, pin in 224, close; ht to right using 56th pair, pin in 225, close; ht to left using 49th pair, pin in 226, close; ht to right using 56th pair, pin in 227, close; ht to left using 49th and lay aside scallop threads.

For the linen-ground point, bordering scallop:—Cte 35th and 36th, pin in 228, close. Cte 34th and 35th, pin in 229, close. Cte 35th and 36th, 36th and 37th, pin in 230, close. Cte 35th and 36th, pin in 231, close. Cte 36th and 37th, 37th and 38th, pin in 232, close. Cte 36th and 37th, pin in 233, close. Cte 37th and 38th, 38th and 39th, pin in 234, close. Cte 37th and 38th, pin in 235, close. Cte 38th and 39th, 39th and 40th, pin in 236, close. Cte 38th and 39th, pin in 237, close. Cte 39th and 40th, 40th and 41st, pin in 238, close. Cte 39th and 40th, pin in 239, close. Cte 40th and 41st, 41st and 42d, pin in 240, close. Cte 40th and 41st, pin in 241, close. Cte 41st and 42d, 42d and 43d, pin in 242, close. Cte 41st and 42d, pin in 243, close. Cte 42d and 43d, 43d and 44th, pin in 244, close. Cte 42d and 43d, pin in 245, close. Cte 43d and 44th, 44th and 45th, pin in 246, close. Cte 43d and 44th, pin in 247, close. Cte 44th and 45th, 45th and 46th, pin in 248, close. Cte 44th and 45th, pin in 249, close. Cte 45th and 46th, 46th and 47th, pin in 250, close. Cte 45th and 46th, pin in 251, close. Cte 46th and 47th, 47th and 48th, pin in 252, close. Cte 46th and 47th, 45th and 46th. Tw pairs 34th to 44th. Ht 33d and 34th, pin in 253, close. Ht 32d and 33d, pin in 254, close.

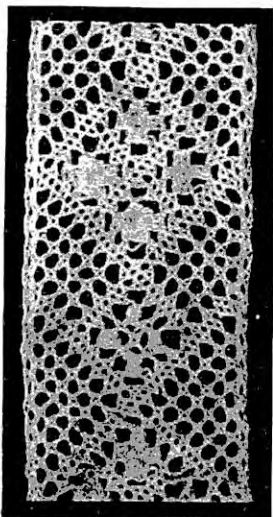
Ht 33d and 34th, 34th and 35th, pin in 255, close. Ht to left using 31st pair, pin in 256, close. Ht to right, using 36th pair, pin in 257, close. Ht to left using 32d pair, pin in 258, close. Ht to right using 37th pair, pin in 259, close. Ht to left using 33d pair, pin in 260, close. Ht to right using 38th pair, pin in 261, close. Ht to left using 34th pair, pin in 262, close. Ht to right using 39th pair, pin in 263, close. Ht to left using 35th pair, pin in 264, close. Ht to right using 40th pair, pin in 265, close. Ht to left using 36th pair, pin in 266, close. Ht to right using 41st pair, pin in 267, close. Ht to left using 37th pair, pin in 268, close. Ht to right using 42d pair, pin in 269, close. Ht to left using 38th pair, pin in 270, close. Ht to right using 43d pair, pin in 271, close. Ht to left using 39th pair, pin in 272, close. Ht to right using 44th pair, pin in 273, close. Ht to left using 39th pair and lay aside these threads. Ht 30th and 31st, pin in 274, close.

Ht 29th and 30th, pin in 275, close. Ht to right using 32d pair, pin in 276, close. Ht to left using 28th pair, pin in 277, close. Ht to right using 33d pair, pin in 278, close. Ht to left using 27th pair, pin in 279, close. Ht to right using 34th pair, pin in 280, close. Ht to left using 26th pair, pin in 281, close. Ht to right using 31st pair, pin in 282, close. Ht to left using 25th pair, pin in 283, close. Ht to right using 30th pair, pin in 284, close. Ht to left using 24th pair, pin in 285, close. Ht to right using 29th pair, pin in 286, close. Ht to left using 23d pair, pin in 287, close. Ht to right using 28th pair, pin in 288, close. Ht to left using 24th pair, pin in 289, close. Ht to right using 28th pair, and lay aside these threads. Ht 31st and 32d, 32d and 33d, 33d and 34th, 34th and 35th, pin in 290, close. Ht to left using 31st, pin in 291, close; ht to right using 36th, pin in 292, close; ht to left using 32d, pin in 293, close; ht to right using 37th, pin in 294, close; ht to left using 33d,

pin in 295, close; ht to right using 38th, pin in 296, close; ht to left using 33d, and lay aside these threads. Tw twice the pairs, 29th and 30th, 31st and 32d, and make a "spider," pinning in 297. Tw three times the pairs used; ht 32d and 33d, pin in 298, close; ht to right using 37th pair, pin in 299, close; ht to left using 31st, pin in 300, close; ht to right using 36th, pin in 301, close; ht to left using 32d, pin in 302, close; ht to right using 35th, pin in 303, close; ht 33d and 34th, pin in 304, close; ht 28th and 29th, pin in 305, close; ht to left using 25th pair, pin in 306, close; ht to right using 30th pair, pin in 307, close; ht to left using 26th pair, pin in 308, close; ht to right using 31st pair, pin in 309, close; ht to left using 27th pair, pin in 310, close; ht to right using 32d pair, pin in 311, close; ht to left using 28th pair, pin in 312, close; ht to right using 33d pair, pin in 313, close; ht to left using 29th pair, pin in 314, close; ht to right using 32d pair, and lay aside the threads, ht 38th and 39th, pin in 315, close; ht to right using 43d pair, pin in 316, close; ht to left using 37th pair, pin in 317, close; ht to right using 42d pair, pin in 318, close; ht to left using 36th pair, pin in 319, close; ht to right using 41st pair, pin in 320, close; ht to left using 35th pair, pin in 321, close; ht to right using 40th pair, pin in 322, close; ht to left using 34th pair, pin in 323, close; ht to right using 39th pair, pin in 324, close; ht to left using 33d pair, pin in 325, close; ht to right using 38th pair, pin in 326, close; ht to left using 30th pair, pin in 327, close; ht to right using 37th pair, pin in 328, close; ht to left using 31st pair, pin in 329, close; ht to right using 36th pair, pin in 330, close; ht to left using 32d pair, pin in 331, close; ht to right using 35th pair, pin in 332, close; ht 33d and 34th, pin in 333, close.

To resume work on the linen-ground row, etc 44th and 45th, pin in 334; close. Continue it by taking up pairs on the left and leaving off on the right, pinning at last in 355. Tw once the pairs, 35th to 48th. Resume work on scallop, beginning, ht 48th and 49th. pin in 356, close, and continue to middle of second scallop. The figures of this pattern are too well known to need repetition of instructions already given.

Bring the work forward, as the numbers designate, up to dot, 636. It is then only necessary to instruct for the "jewel"-square. Ht 33d and 34th, pin in 637, close and work with ht to the left, diagonally, pinning at last in 653. Ht 34th and 35th, pin in 654, and work with ht to the right, diagonally, ending at 663. With 33d and 34th pairs, make a "jewel," by weaving the right thread of the 33d pair, back and forth, across the remaining three threads, four times or more, if a heavier "jewel" is admired. Ht 34th and 35th, pin in 664, close. Ht 32d and 33d, pin in 665, close. Ht 33d and 34th, pin in 666, close. With 31st and 32d make another "jewel." Ht 32d and 33d, pin in 667, close. Ht 30th and 31st, pin in 668, close. Ht 31st and 32d, pin in 669, close. With 29th and 30th make another "jewel." Ht 30th and 31st, pin in 670, close. Ht 28th and 29th, pin in 671, close. Ht 29th and 30th, pin in 672, close. With 27th and 28th, make a fourth "jewel." Ht 28th and 29th, pin in 673, close. Ht 26th and 27th, pin in 674, close. Ht 27th and 28th, pin in 675, close. With 25th and 26th, make a fifth "jewel." Ht 26th and 27th, pin in 676, close. Ht 24th and 25th, pin in 678, close. Make four more diagonal rows of "jewels," five in a row, to finish "jewel"-square. Finish second scallop and the linen-ground row above it, and having brought forward the other parts of the pattern, repeat from the beginning of instructions.



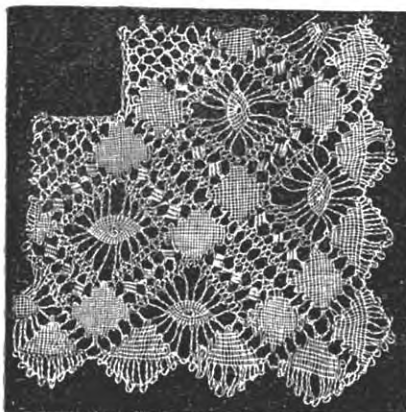
LESSON NO. 22.

Insertion. This pattern requires 48 bobbins, or 24 pairs, and Barbour's Irish Flax thread, No. 120. Pin 3 pairs of threads each, in 151, 214, 215, 195, and 2 pairs each, in 218, 220, 221, 227, 226, 224. Ht 3d and 4th, pin in 1, close; wt 2d and 3d, ht 1st and 2d, pin in 2, close, wt 2d and 3d. Ht 5th and 6th, pin in 3, close; ht 4th and 5th, pin in 4, close; ht 3d and 4th, pin in 5, close; wt 2d and 3d, ht 1st and 2d, pin in 6, close; wt 2d and 3d. Begin with 7th and 8th, ht to left, until a pin is placed in 11, make selvage, pinning in 12, close. Ht 12th and 13th, pin in 13, close. Ht to left, until 9th is used, pin in 14, close; ht to right, until 12th is used, pin in 15, close; ht to left, until 8th is used, pin in 16, close. Ht to right, until 11th is used, pin in 17, close; ht to left, until 7th is used, pin in 18, close; ht to right, until 10th is used, pin in 19, close; ht to left, until 6th is used, pin in 20, close; ht to right, until 9th is used, pin in 21, close; ht to left, until 5th is used in in 22, close; ht to right, until 8th is used, pin in 23, close ht to left, until 4th is used, pin in 24, close; ht to right, until 7th is used, pin in 25, close; ht to left, until 3d is is used,

Lesson No. 22.—Insertion.

pin in 26, close; ht to right, until 6th is used, pin in 27, close; ht to left, until 3d is used, wt 2d and 3d, ht 1st and 2d pin in 28, close; wt 2d and 3d, ht to right, until 4th is used, pin in 29, close; ht 3d and 4th, 4th and 5th, 5th and 6th. Make selvage, pinning in 30. Make Plain Hole Ground, on right of pattern, until a pin is placed in 42. Work Net Ground on right, until a pin is placed in 59. For the Maltese Cross, use the 12th and 13th pairs, holding the first, 3d and 4th bobbins in the left hand, and the 2d bobbin, in the right hand, and weave thus: Over the 3d, under the 4th, over the 4th, under the 3d, over the 1st, under the 1st, over the 3d, etc. Repeat 5 times, add the 11th and 14th, weave across, from 11th to 14th pairs, 5 times, drop the 11th and 14th, weave across 12th and 13th, 5 times. Ht 10th and 11th, pin in 60, close; ht 9th and 10th, pin in 61, close; ht 10th and 11th, 11th and 12th, pin in 62, close; ht 10th and 11th, pin in 63, close; ht 11th and 12th. Ht 14th and 15th, pin in 64, close; ht 15th and 16th, pin in 65, close; ht to left, until 13th is used, pin in 66, close; ht to right, until 15th is used, pin in 67, close; ht to left, until 12th is used, pin in 68, close; ht to right, until 14th is used, pin in 69, close; ht to left, until 11th is used, pin in 70, close; ht 12th and 13th, pin in 71, close. Ht 11th and 12th, 13th and 14th. Repeat the "cross" three times with the pairs indicated. Ht 6th and 7th, pin in 80, close; ht 5th and 6th, 4th and 5h, pin in 81, close. Continue Net Ground, until a pin is placed in 91, ht 10th and 11th, 11th and 12th. Ht 18th and 19th, pin in 92, close; ht 19th 20th, 20th and 21st, pin in 93, close. Continue Net Ground, until pin is placed in 106, ht 11th and 12th. Having worked Hole Ground on both sides to 133 on left, and 178 on the right, work Net Ground figure, as before, beginning on the left. Ht 12th and 13th, pin in 134, close; and on the right, with ht 13th and 14th, 14th and 15th, 15th and 16th pin in 179, close, and ending, on the left, with ht 5th and 6th, pin in 143, close; ht 6th and 7th, 7th and 8th, 8th and 9th, and on the right with ht 19th and 20th, pin in 187, close; ht 18th and 19th, 17th and 18th, 16th and 17th. Make four "jewels" with the pairs indicated, and complete Net Ground and Hole Ground on both sides.

LESSON No. 23.



Lesson No. 23.—Wide Antique Lace.

Wide Antique Lace. This pattern requires 68 bobbins, or 34 pairs, and Barbour's Irish flax thread, Nos.

50 to 80. Pin 3 pairs of threads, each, in 53 and 220, 5 pairs each in 76 and 137, 1 pair each in 162, 163, 165, 174, 175, 184, 192, 199, 205, 210, 214, 217, 219, 101, 102, 104, 110, 114. Scallop:—Ctc 31st and 32d pairs, pin in 2, close. Ctc 32d and 33d, tw 33d twice, wt 33d and 34th, pin in 3, close. Tw 33d once, etc 32d and 33d, 31st and 32d, 30th and 31st, pin in 4, close. Ctc 31st and 32d, 32d and 33d, tw 33d twice, wt 33d and 34th, pin in 5, close. Tw 33d once, etc 32d and 33d, 31st and 32d, 30th and 31st, 29th and 30th, pin in 6, close. Ctc 30th and 31st, 31st and 32d, 32d and 33d, tw 33d twice, wt 33d and 34th, pin in 7, close. Tw 33d once, etc 32d and 33d, 31st and 32d, 30th and 31st, 29th and 30th, pin in 8, close. Ctc 29th and 30th, 30th and 31st, 31st and 32d, 32d and 33d, tw 33d, wt 33d and 34th, pin in 9, close. Tw 33d once, etc 32d and 33d, 31st and 32d, 30th and 31st, 29th and 30th, 28th and 29th, 27th and 28th, pin in 10, close. Ctc to right using 33d pair, tw 33d twice, wt 33d and 34th, pin in 11, close. Tw 33d once, etc to left using 28th pair, pin in 12, close. Ctc to right using 33d pair, tw 33d twice, wt 33d and 34th, pin in 13, close. Tw 33d once, etc to left using 29th pair, pin in 14, close. Ctc to right using 33d pair, tw 33d twice, wt 33d and 34th, pin in 15, close. Tw 33d once, etc to left using 30th pair, pin in 16, close. Ctc to right using 33d pair, tw 33d twice, wt 33d and 34th, pin in 17, close.

Tw 33d once, etc to left using 31st pair, pin in 18, close. Ctc to right using 33d pair, wt 33d and 34th, pin in 19, close. Ctc 32d and 33d. Tw once the pairs, 27th to 31st.

Linen-ground square:—Ctc 26th and 27th, pin in 20, close. Ctc 25th and 26th, pin in 21, close. Ctc to right, using 28th pair, pin in 22, close. Ctc to left using 24th pair, pin in 23, close. Ctc to right using 29th pair, pin in 24, close. Ctc to left using 23d pair, pin in 25, close. Ctc to right using 30th pair, pin in 26, close. Ctc to left using 22d pair, pin in 27, close. Ctc to right using 31st pair, pin in 28, close. Ctc to left using 23d pair, pin in 29, close. Ctc to right using 30th pair, pin in 30, close. Ctc to left using 24th pair, pin in 31, close. Ctc to right using 29th pair, pin in 32, close. Ctc to left using 25th pair, pin in 33, close. Ctc to right using 28th pair, pin in 34, close. Ctc 26th and 27th, pin in 35, close. Tw once, the pairs, 22d to 31st, inclusive. Make scallop, as previously instructed, and tw once the pairs, 27th to 31st.

First jewel-square:—Ht 21st and 22d, pin in 54, close. Ht 22d and 23d, pin in 55, close. Ht 21st and 22d, 20th and 21st, pin in 56, close. Ht 21st and 22d, pin in 57, close. Ht 20th and 21st, 19th and 20th, pin in 58, close. Ht 20th and 21st, pin in 59, close. Ht 19th and 20th, 18th and 19th, pin in 60, close. Ht 19th and 20th, pin in 61, close. Ht 18th and

19th, 17th and 18th, pin in 62, close. Ht 18th and 19th, pin in 63, close. Make a "jewel" as previously instructed, with 23d and 24th pairs. Wt 22d and 23d, pin in 64, close. With 21st and 22d, make second "jewel." Wt 20th and 21st, pin in 65, close. With 19th and 20th, make a third jewel. Ht 24th and 25th, pin in 66, close. Ht 25th and 26th, pin in 67, close. Ht 24th and 25th, 23d and 24th, pin in 68, close. Ht 24th and 25th, pin in 69, close. Ht 23d and 24th, 22d and 23d, pin in 70, close. Ht 23d and 24th, pin in 71, close. Ht 22d and 23d, 21st and 22d, pin in 72, close. Ht 22d and 23d, pin in 73, close. Ht 21st and 22d, 20th and 21st, pin in 74, close. Ht 21st and 22d, pin in 75, close. Tw twice the pairs, 22d to 31st, and with the ten pairs make a "spider," pinning centre in 76. Twist the ten "legs," three times each.

Make another linen-ground square, beginning, etc 16th and 17th, pin in 77, close, and ending, etc 16th and 17th, pin in 92, close. Tw once the pairs used.

Second jewel square:—Ht 21st and 22d, pin in 93, close. Ht 20th and 21st, pin in 94, close. Ht 21st and 22d, 22d and 23d, pin in 95, close. Ht 21st and 22d, pin in 96, close. Ht 22d and 23d, 23d and 24th, pin in 97, close. Ht 22d and 23d, pin in 98, close. Ht 23d and 24th, 24th and 25th, pin in 99, close. Ht 23d and 24th, pin in 100, close. Ht 24th and 25th, 25th and 26th, pin in 101, close. Ht 24th and 25th, pin in 102, close. Make a jewel with 19th and 20th; wt 20th and 21st, pin in 103, close. Make a jewel with 21st and 22d, wt 22d and 23d, pin in 104, close. Make a jewel with 23d and 24th. Ht 18th and 19th, pin in 105, close. Ht 17th and 18th, pin in 106, close. Ht 18th and 19th, 19th and 20th, pin in 107, close. Ht 18th and 19th, pin in 108, close. Ht 19th and 20th, 20th and 21st, pin in 109, close. Ht 19th and 20th, pin in 110, close. Ht 20th and 21st, 21st and 22d, pin in 111, close. Ht 20th and 21st, pin in 112, close. Ht 21st and 22d, 22d and 23d, pin in 113, close. Ht 21st and 22d, pin in 114, close.

The third jewel square, is worked in the same direction as the first one. Begin it with, ht 11th and 12th, pin in 115, close. Ht 12th and 13th, pin in 116, close. To complete it follow instructions for first jewel-square, changing the pinning points as designated on pattern. Tw twice, the pairs, 12th to 21st, and with the ten pairs make a "spider," pinning centre in 137. Twist the ten "legs," three times each. Make another linen-ground square, beginning with etc 6th and 7th, pin in 138, close, and ending with etc 6th and 7th, pin in 153, close. Twist once the pairs used.

The fourth jewel-square is worked in the same direction as the second. Begin it thus:—Ht 11th and 12th, pin in 154, close. Ht 10th and 11th, pin in 155, close. Selvage. Wt 2d and 3d, pin in 176. Wt 1st and 2d, 2d and 3d.

Twisted hole-ground:—Tw 3d and 4th once, ht, pin in 177, close. Tw 4th and 5th, ht, pin in 178, close. Tw 5th and 6th, ht, pin in 179, close. Tw 6th and 7th, ht, pin in 180, close. Tw 7th and 8th, ht, pin in 181, close. Tw 8th and 9th, ht, pin in 182, close. Tw 9th and 10th, ht, pin in 183, close. Tw 10th and 11th, ht, pin in 184, close. The twisted hole-ground is continued until a pin is placed in 220. The instruction is then repeated from the beginning.

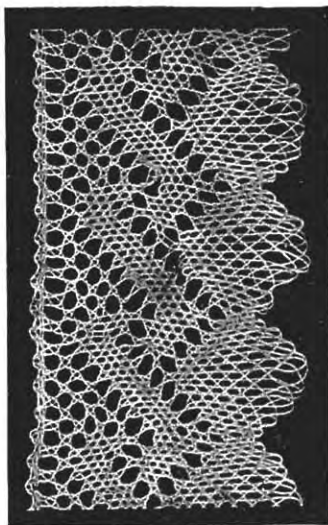
TO TURN A CORNER:—When a sufficient length has been made, bring the work up to a diagonal line, running forward from dot 145, at the top, to dot 53, at the lower edge. Tie each pair of threads in a "hard knot." Take out the pins in the work, excepting those on the last line (the diagonal line mentioned above). Lift the lace from the pattern,

keeping the pins in the lace, and place the pins in their order, in an opposite diagonal, that is, one running backward from dot 220, on the upper edge, to dot 51, on the lower edge. It will be necessary to make four additional pin-holes, between the numbers, 42 and 51; three, between 25 and 34; three, between 82, and 91; and three between 143 and 152. Twist once, all the pairs, and work, as before.

LESON No. 24.

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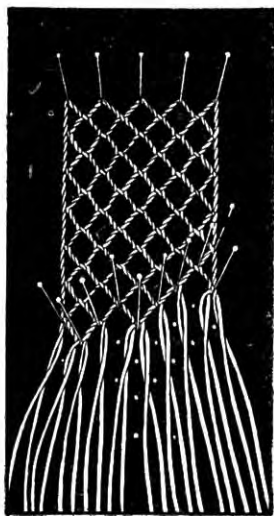
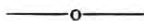
Nile Edging. This pattern requires 44 bobbins, or 22 pairs, and Barbour's Irish flax thread, No. 90, or 100. Pin 3 pairs of threads in 17, 4 pairs in 39, 5 pairs, each, in 38, 57 and 65. Ht 3d and 4th pairs, pin in 1, close. (Wt 2d and 3d, ht 1st and 2d, pin in 2, close, wt 2d and 3d). The line in parentheses describes the manner of making selvage. Ht 4th and 5th, pin in 3, close. Ht 3d and 4th, pin in 4, close. Make edge, pinning in 5. Beginning with 5th and 6th, ht to left, diagonally, as before, pinning in 6, 7, 8 and 9. Beginning with 6th and 7th, ht to left, pinning in 13, 14, 15, 16 and 17. Beginning with 7th and 8th, ht to left, pinning in 18, 19, 20, 21, 22 and 23. Ht 15th and 16th, pin in 24, close. Ht 14th and 15th, 13th and 14th, 12th and 13th, 11th and 12th, pin in 25, close. Ht to right using 15th pair, pin in 26, close. Ht to left using 10th pair, pin in 27, close. Ht to right using 14th pair, pin in 28, close. Ht to left using 9th pair, pin in 29, close. Ht to right using 13th pair, pin in 30, close. Ht to left using 8th pair, pin in 31, close. Ht to right using 12th pair, pin in 32, close. Ht to left using 7th pair, pin in 33, close. Ht to right using 11th pair, pin in 34, close. Ht to left using 6th pair, pin in 35, close. Ht to right using 10th pair, pin in 36, close. Ht to left using 5th pair, pin in 37, close. Ht to right using 9th pair, pin in 38, close. Ht to left using 4th pair, pin in 39, close. Ht 17th and 18th, pin in 40, close. Ht to right using 22d pair, pin in 41, close. Ht to left using 16th pair, pin in 42, close. Ht to right using 22d pair, pin in 43, close. Ht to left using 15th pair, pin in 44, close. Ht to right using 22d pair, pin in 45, close. Ht to left using 14th pair, pin in 46, close. Ht to right using 22d pair, pin in 47, close. Ht to left using 13th pair, pin in 48, close. Ht to right using 22d pair, pin in 49, close. Ht to left using 14th pair, pin in 50, close. Ht to right using 22d pair, pin in 51, close. Ht to left using 15th pair, pin in 52, close; ht to right using 22d pair, pin in 53, close; ht to left using 16th pair, pin in 54, close; ht to right using 22d pair, pin in 55, close; ht to left using 17th pair, pin in 56, close; ht to right using 22d pair, pin in 57, close; ht to left using 18th pair, pin in 58, close; ht 12th and 13th, pin in 59, close; ht 11th and 12th, pin in 60, close; ht 12th and 13th, 13th and 14th, pin in 61, close; ht to left using 10th pair, pin in 62, close; ht to



Lesson No. 24.—Nile Edging.

right using 15th pair, pin in 63, close; ht to left using 11th pair, pin in 64, close; ht to right using 16th pair, pin in 65, close; ht to left using 12th pair, pin in 66, close; ht to right using 17th pair, pin in 67, close; ht 5th and 6th, 6th and 7th, 7th and 8th, 8th and 9th, 9th and 10th, pin in 68, close; ht to left using 5th pair, pin in 69, close; ht to right using 11th pair, pin in 70, close; ht to left using 6th pair, pin in 71, close; ht to right using 10th pair, pin in 11, close; ht to left using 7th pair, pin 10, close; ht 8th and 9th, pin in 12, close. Repeat instruction from the beginning.

LESSON No. 25.



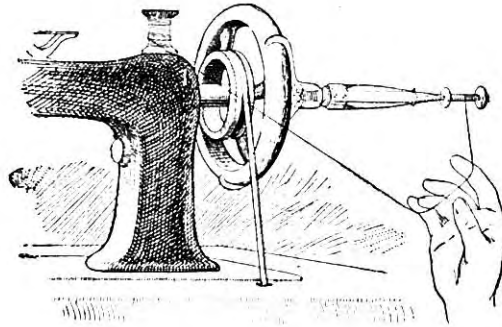
Tulle Ground. Pattern same as for plain hole ground, and bobbins pinned on in the same way. This ground is worked exactly as is the twisted hole ground, only that you do not close in any of the pins save those on the edge, for the selvage. Ht with 1st and 2d pairs, pin in—remembering not to close. Ht with 1st and 2d, pin in 2, close, this for the edge; ht 3d and 4th, pin in 3; ht 2d and 3d, pin in 4; ht 1st and 2d, pin in 5, close. Continue in this way. Made in fine thread, this ground is the foundation of many of the beautiful Mechlin and Brussels laces. It is not used in any of the lessons given in this book, but will be needed in working the more advanced lessons given in volume Two of the "American Lace Maker," which begins with pattern No. 26, shown in our catalogue of patterns, entitled, "Practical Lace Making." Among others, this ground forms the foundation of the beautiful pattern known as Regency Point, being No. 39 as given in our catalogue of patterns. There are two

Lesson No. 25.—Tulle Ground.

varieties of the Tulle Ground, the round mesh, and the hexagonal mesh. The latter as being the most greatly admired is illustrated above.



THE PRINCESS BOBBIN WINDER.



PRICE 75 CENTS.

This bobbin-winder is made to attach to a sewing machine same as shown in the above illustration. The prongs of the winder should be clamped on the rim of the fly-wheel on top of the machine, and the small nut at the foot of the prongs screwed up tightly against them, so they will clamp the rim of the wheel tightly. The bobbin chuck which holds the bobbin, should then be screwed up against the nut, and the handle of the bobbin inserted in the chuck, while the spool of thread is placed upon the machine in the usual manner, holding it out with the finger opposite the bobbin so it will wind evenly, as shown in the illustration.

This attachment will fit any sewing machine, where the little belt wheel comes on the inside of the fly-wheel, as shown in the above cut, as the prongs of the winder are adjustable and will fit any size of fly-wheel.

For machines where the little belt-wheel comes on the outside of the fly-wheel, we have a special attachment with the prongs made to clamp the rim of the little belt-wheel, instead of the fly-wheel.

In ordering a bobbin-winder, be sure and state the make of sewing machine you wish to use it on, and if the little belt-wheel is on the outside or the inside of the fly-wheel.

With the use of one of these winders, the bobbins can be wound very rapidly and easily, and they will be found to be almost indispensable to ladies who work at all steadily at lace making.

TORCHON LACE CO.,
ST. LOUIS, MO.

Price List of Materials.

Barbour's Irish Flax Thread, per spool	\$0.10
Lace Patterns, \$1.00 per dozen; each.....	10
Bobbins per dozen.....	50
Bobbin Winders, each.....	75
Instruction Books, each.....	50
Quadrille Paper, per sheet.....	05
Imported Lace Thread, per skein.....	10
Bead Headed Lace pins, per box.....	05

Our Bobbin Winders are made to attach to a Sewing Machine. In ordering please state make of machine on which you intend to use it.

Any of the above will be sent postage paid upon receipt of order.

TORCHON LACE CO.,

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