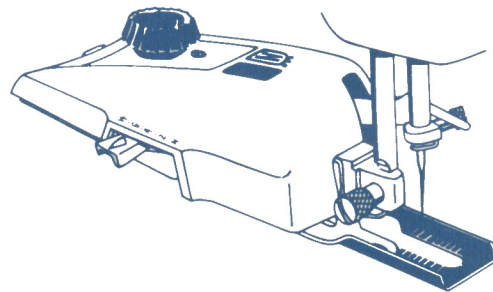




## *Buttonholes*



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## VIKING BUTTONHOLER

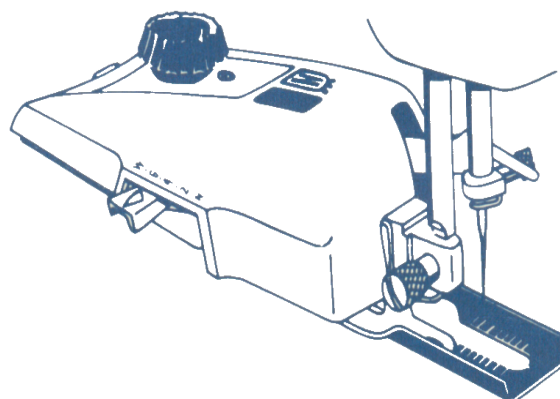
The Viking Buttonholer creates a perfect buttonhole. Once it is properly regulated, it does its job quickly and is a useful aid to sewing. The material does not have to be turned to change the direction of the stitching. The buttonhole attachment moves forward and backward, stitching both sides of the buttonhole.

If you have had trouble keeping buttonholes the same size, you will find the buttonhole

attachment helpful with guesswork. Buttonholes will be uniform in size and shape as long as you are using the same template.

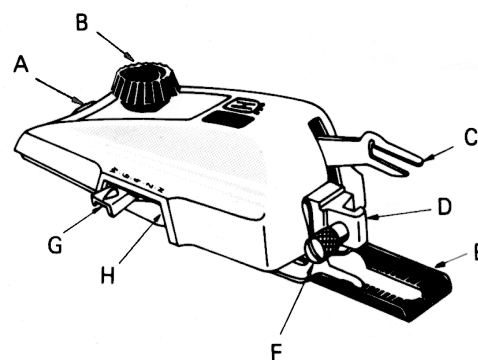
Before you begin to use this time-saving attachment, read carefully the information given in this booklet.

THE BUTTONHOLE ATTACHMENT



## PARTS AND THEIR FUNCTION

A – Lock	Keeps template retainer plate in place.
B – Adjusting Knot	Controls position of cloth clamp.
C – Fork Arm	Straddles needle clamp in order to operate.
D – Adaptor	Attaches to presser bar.
E – Cloth Clamp	Holds fabric firmly.
F – slotted Clamping Screw	Fastens attachment to presser bar.
G – Stitch Width Adjuster	Controls width of side stitch.



# VARIETY OF TEMPLATES

## STRAIGHT



eyelet



straight

1/2"

13  
mm



straight

5/16"

8  
mm



straight

5/8"

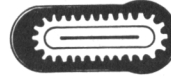
16  
mm



straight

3/8"

10  
mm

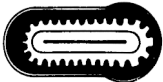


straight

13/16"

21  
mm

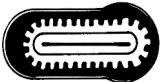
## STRAIGHT



straight

7/8"

22  
mm



straight

15/16"

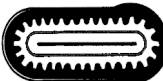
24  
mm



straight

1"

25  
mm

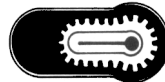


straight

1 1/16"

27  
mm

## KEYHOLE



keyhole

5/8"

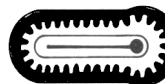
16  
mm



keyhole

7/8"

22  
mm



keyhole

1 1/16"

27  
mm

A set of 13 templates is furnished with the attachment. See Diagram.

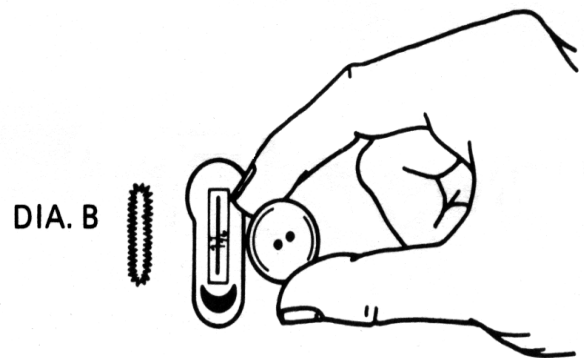
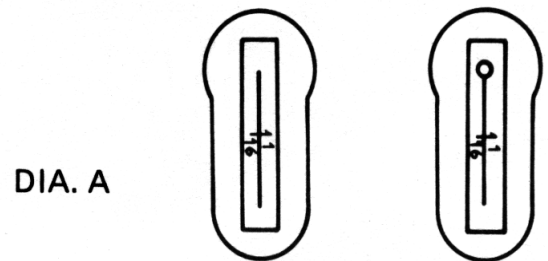
## SELECTING PROPER TEMPLATE FOR BUTTON

The template used will depend on the size of the button and the type of buttonhole desired. Keyhole buttonholes are usually placed in suits and coats.

The size of the buttonholes is indicated by the measurement line on the back of template as shown in diagram A.

Measure the button against the buttonhole measurement line on the back of the template as shown in diagram B.

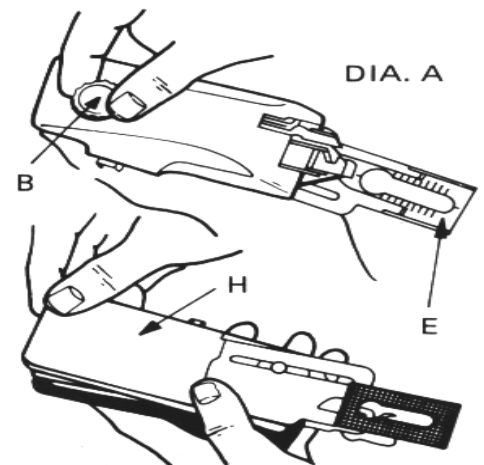
For regular flat buttons, the measurement line corresponds to the diameter of the button. For thicker buttons, larger buttonholes would be needed.



## TO CHANGE OR INSERT TEMPLATE

DIA. A

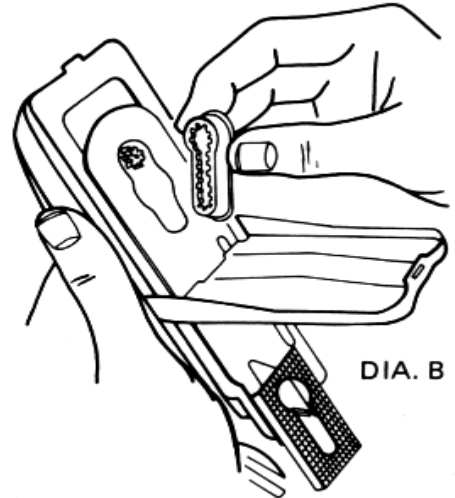
- 1 — Turn the adjusting knob (B) clockwise so that the cloth clamp (E) is fully extended.
- 2 — Turn the attachment over.
- 3 — To unlock template retainer plate (H) press and push away from you on the hinged edge with the thumb of your left hand.



## CHANGING TEMPLATE

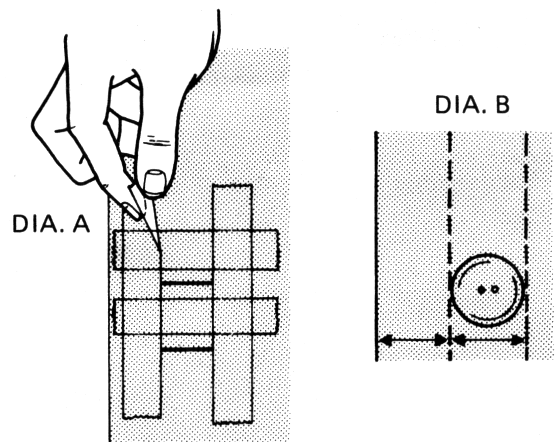
DIA. B

- 1 - Insert the thumb and finger in the curved slots and lift template as shown. (Diagram)
- 2 - Place desired template in slot.
- 3 - It may be necessary to turn the adjusting knob (B) so that the gears mesh, allowing the template to drop into place.
- 4 - Snap the template retainer plate in position and the attachment is ready to be placed on the presser bar of the machine.



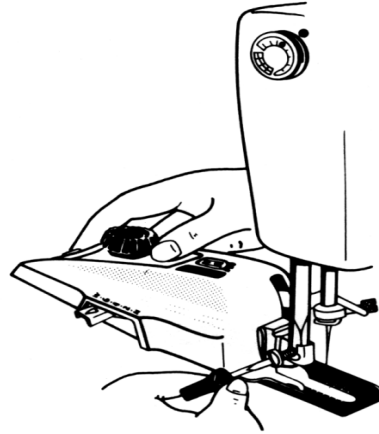
## TO MARK BUTTONHOLE POSITION

1. Mark buttonhole by transparent tape, thread or chalk.
2. When using tape check first to ensure that tape does not damage the fabric. Tape should be placed alongside the buttonhole position so that you do not sew into the tape. Diagram A.
3. The distance from the edge of the garment should normally equal the width of the button. Diagram B.



## HOW TO FASTEN BUTTONHOLE ATTACHMENT

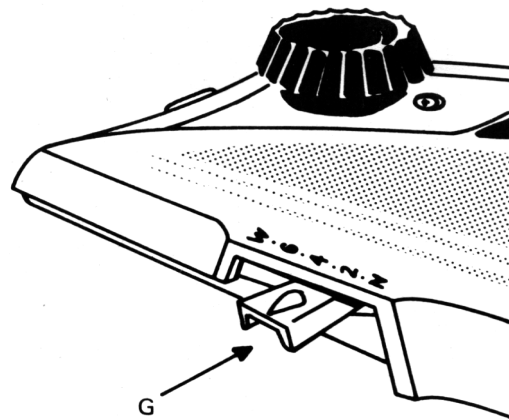
1. Remove presser foot and ankle.
2. Tilt attachment slightly to the right and guide the buttonholer into position from the rear of the machine so that the presser bar slides into the adaptor and the fork arm slides around the needle clamp screw.
3. Securely fasten to the presser bar with the slotted thumb screw using a screwdriver.









## STITCH WIDTH ADJUSTER

The stitch width adjuster (G) is used in conjunction with the stitch width dial on the Viking sewing machine to obtain the perfect buttonhole.

To operate, press the adjuster down and move to the setting desired. N for narrow stitches, W for wider stitches.



The following chart clearly explains the function of the adjuster, while the stitch width dial on the machine remains constant. As you increase the stitch width adjuster, the buttonhole opening gets wider.







Stitch Width Dial	2½	2½	2½	2½	2½	2½
Stitch Width Adjuster (G)	1	2	3	4	5	6
Buttonhole						

For more complete information refer to "Buttonholes and Fabric".

## STITCH WIDTH DIAL

As you increase the stitch width dial, leaving the stitch width adjuster constant, the Buttonhole opening gets narrower.  
The following chart clearly explains the function of the stitch width dial.



Stitch Width Dial	1	1½	2	2½	3	3½
Stitch Width Adjuster (G)	3	3	3	3	3	3
Buttonhole						

For more complete information refer to "Buttonholes and Fabric".

## BUTTONHOLES AND FABRIC

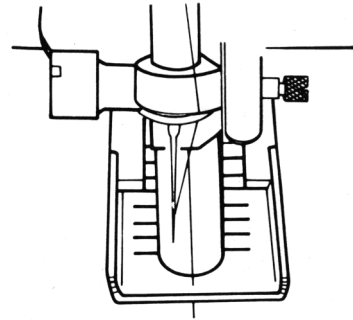
When working with finer and heavier than normal fabrics, proper adjustments must be made on the stitch width adjuster and the stitch width dial.  
The following chart is an excellent guideline for producing the perfect buttonhole.

FABRIC TYPE	STITCH WIDTH ADJUSTER (G)	STITCH WIDTH DIAL
Extra fine	1	1 ¾
Fine	2	2
Medium	3	2 ¼
Medium Heavy	4	2 ½
Heavy	5	2 ¾
Extra Heavy	6	3 ¼

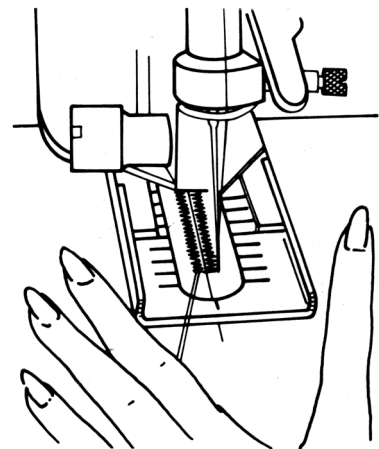


## MAKING A BUTTONHOLE

1. Attach buttonhole attachment to Viking Sewing machine. Refer to Page 11 for Diagram and instructions.
2. Make Viking sewing machine's adjustments.
  - a. Turn top tension to buttonhole symbol.
  - b. Turn pattern selector knob and stitch length knob to buttonhole symbol.
  - c. Drop the feed dogs.
  - d. Turn stitch width dial to appropriate setting - refer to chart on Page 14
3. Make buttonhole attachment adjustments.
  - a. Turn adjusting knob (B) so that the cloth clamp (E) moves all the way forward towards you and the needle is in the center of cloth clamp. (Diagram)
  - b. Place material under cloth clamp and align buttonhole length markings with front and rear lines on the cloth clamp with needle at end of length mark (diagram).
  - c. Turn stitch width adjuster to appropriate setting – refer to chart on page 13
4. Make a test buttonhole first!
5. Lower presser bar so that the cloth is held smoothly under the cloth clamp.
6. Hold the needle thread and take a stitch drawing the bobbin thread up to the right side of material.



7. Hold the two threads in your left hand and in front of the attachment.
8. Stitch buttonhole, allowing a few Stitches to cover the threads so that they are fastened securely.
9. For a reinforced buttonhole, stitch around buttonhole twice.
10. For a purled effect, refer to page 18
11. to lock stitch, turn stitch width knob to 0 and stitch in place.



12. Clip Threads.

## PURLED BUTTONHOLE

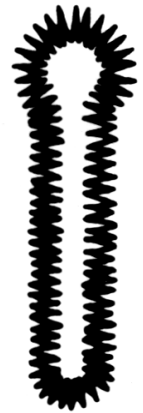
To create the purled effect which is seen in a hand-worked buttonhole, first make a buttonhole with the adjuster (G) set for a wide stitch. Then without removing the buttonhole from the attachment, change the adjuster (G) so that a narrow stitch can be made. Stitch around the buttonhole again. This will give the buttonhole a raised, smooth look. Finish the buttonhole in the usual manner.

Following the above method for making a buttonhole, a lovely two-toned effect may be produced by changing the color of the upper thread when the width of the stitch is changed.

PURLED  
EFFECT



REGULAR



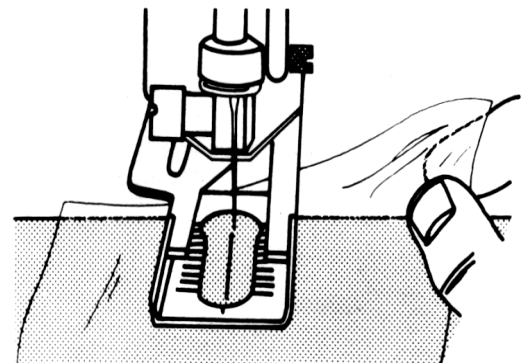
## HELPFUL HINTS

### Interfacing

Appearance of buttonhole is improved if a piece of interfacing is used. The correct interfacing should be selected according to the fabric type. Always test sew a buttonhole first.

### Material Protection

On heavy material the teeth of the cloth clamp may interfere with the inserting of the garment. To ensure a smoother placement under the cloth clamp with no danger of teeth catching into the fabric, place a piece of cellophane over the buttonhole marking before it is placed under the cloth clamp. After garment is correctly positioned, remove cellophane before lowering presser foot. Slide cellophane over the finished buttonhole when removing the garment. (Diagram)



### Cutting

Use the buttonhole knife which comes with the Viking machine to cut the buttonhole opening. Start at each end and slit towards center. Cut to middle of buttonhole and repeat the cut at the other end.