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# Hat Making: Crinoline Frame

A. Linfield

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NET MAKING  
(Crinoline Frame)

by  
Azalca Linfield,  
Extension Specialist in Clothing.

EXTENSION SERVICE  
South Dakota State College  
W. F. Humlion, Director  
Brookings, S. Dak.

Cooperative Extension Work in Agriculture  
and Home Economics, South Dakota State  
College and U. S. Department of Agriculture  
Cooperating.

## INSTRUCTIONS FOR CRINOLINE FRAME HAT

### I. Material.

1. A true bias strip of crinoline, six inches wide.  
Note: One yard crinoline will make 3 hats.
2. Medium weight wire(2 yards).
3. Millinery thread or cotton thread 30.
4. Cheese cloth or cotton flannel, for lining, if hat is of silk.
5. 3/4 to 1 yard of at least 36 inch material for hat depending on style of crown desired.
6. Thread - color of material used.
7. Tie wire.

### II. Laboratory Equipment.

1. Work table.
2. Pins.
3. Wire cutters(pliers or old scissors may be used).
4. Tape measure.
5. Pencil.
6. Needles.
7. Thimble.

### ORDER OF CONSTRUCTION

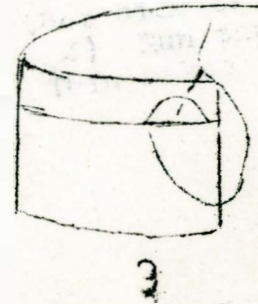
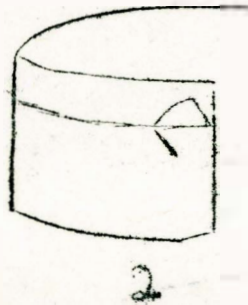
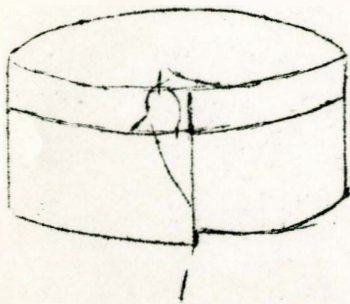
1. Cut a true bias strip of crinoline six inches wide.
2. Fold through center.
3. Cut one end off straight.
4. Measure up from folded edge 2 inches and make dots, down length of material every 3 or 4 inches apart.
5. Take head size measure. This is an easy measure around the largest part of the head and down to the eyebrows.
6. Measure along the strip starting at the straight end, the headsize plus 3 inches. Mark and cut off straight.
7. Measure along the wire(holding wire in center of tape measure), the head size plus 1 inch and make a dot with a pencil, then measure off 2 inches more and cut wire.  
(Note: The headsize of the hat is made 1 inch larger than is measured because this amount is taken up by the lining. The 2 inches is allowed for lapping. Do not straighten out the wire, leave it in its curled shape.)
8. Lap the wire 2 inches and tie the ends with tie wire.  
(Note: This wire circle is one inch larger than the head size measure.)

9. Note: In millinery all joinings are kept in the center back.

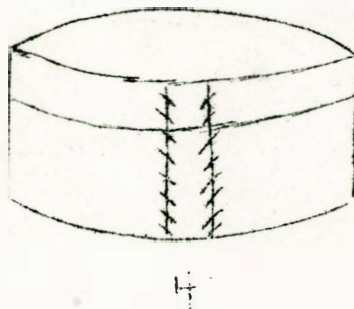
Starting at the back pin the crinoline on the inside of the wire. Put pins in from the inside about 3 or 4 inches apart. Do not pin down the lap of crinoline.

10. Sew wire on using milliner's knot stitch.

To make stitch - Start at center back and fasten wire to crinoline, bring needle out on outside. (1) Then take a half inch stitch, putting the needle close to the wire and draw thread through leaving a small loop. (2) Then come back on the other side of the wire directly opposite where the needle went in and (3) Run the needle through the top of the loop and pull thread tight. This makes a knot and holds the wire firmly to the crinoline.



11. Join the ends of the crinoline together by using an overcasting stitch.



12. Shaping the hat.

13. Stretch the outer edge of hat, then work up toward wired head size. When stretched desired width, frame is ready for edge wire.

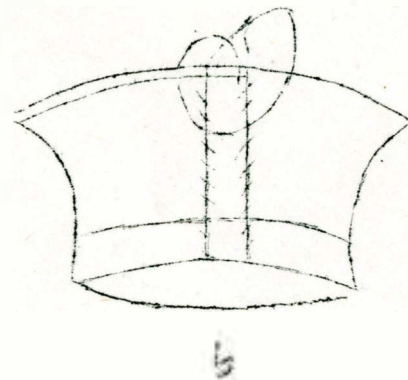
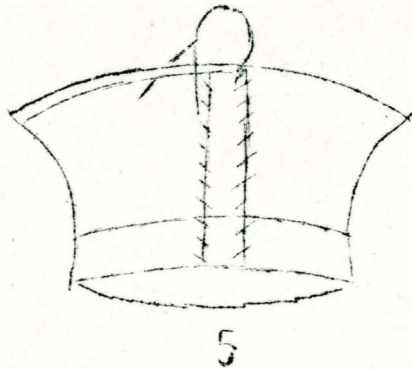
13. Shaping head size.

As our heads are oval instead of round the headsize must be so shaped. This is done by pulling the hat lengthwise until desired oval is obtained.

14. Measure outer edge of brim and then measure off wire this amount, plus two inches.

15. Sewing on edge wire.

Start at back of hat and use milliner's knot stitch. The wire is sewed on the upper brim of the hat about  $1/16$  of an inch from the edge. Fasten the end of the wire to the crinoline. Then take  $1/2$  inch stitches bringing the needle in from the under brim, close to the wire; have a loop of thread, then bring the needle in through the top of the loop as was done in the milliner's knot stitch. And draw thread tight.

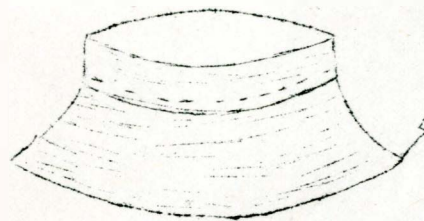


16. Covering edge wire.

1. Cut bias strips of crinoline 1 inch wide and stretch. Fold in center and cover edge wire. Sew at the edges of the crinoline and not down near the wire. Use a small back stitch on the upper brim and a long stitch on the lower brim. If the bias strips need joining just lap them.

17. Covering hat.

If silk is to be used in covering the hat an interlining of either cheesecloth or cotton flannel should be used. Cut a bias strip of the material 6 inches wide and long enough to go around the hat and allow for a lap. Sew the interlining about the headsize wire.





18. Covering for brim.

- a. Measure the outer brim of the hat.
- b. Cut a bias strip of material 6 inches wide and the length of the outer brim. Do not need to allow for seam.
- c. Starting at the back. Stretch the material on the edge wire, pin in place at the headsize.  
Note: Do not stick pins in the brim as pins will leave a mark. When material is pinned in place, stitch it to frame just above the headsize wire. (See figure 7).
- d. At center back cut off extra material and leave only enough to lap 1 inch.
- e. Turn each edge under 1/2 inch and slip stitch.

To slip stitch take a small stitch on one side and then directly across a small stitch on the other side.

CROWNS

The kind of crown that is used will depend upon whether the hat is for a 3-year old, a 10-year old or an adult.

I. Tan shaped crown for child's hat.

Note: This crown is prettier if material such as chambray, gingham, organdy, or taffeta were used. The size of the crown will depend upon the size and shape of the head. For an average 5-year old child the following measurements may be used.

- a. Cut a 16 inch circle.
- b. Mark front, back and each side of head size.
- c. Mark circle into four equal parts and pin to back, front and each side of head size.
- d. The crown may either be pleated or gathered on.
- e. Trimming.

Cut bias strip of material 4 or 5 inches wide. Hem edges. Tie around hat, leaving ends hang. Pull top of hat over on one side and tack in place.

f. Lining.

Cut a 5 inch bias strip of material long enough to go around hat and 1 inch for seam allowances. Cut an oval top 5 by 6 inches. Gather the side band to the oval top. Sew up the seam and slip stitch the lining in the hat.

## II. Circular Crown.

This crown is prettiest made of organdy or taffeta. The size of the crown will depend upon the size of the head. For an average 4-year old child - - - -

- a. Cut a 14 inch circle.
- b. Gather and spread gathers evenly around head size.
- c. Trimming.

1. Silk hat - Knife pleated ruffle around the hat, with a ribbon in center and small tailored bow at back looks well.

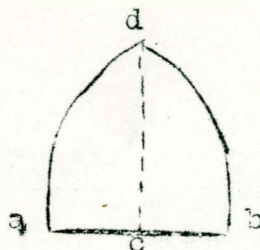
2. Organdy - A ruffle made of 4-5 inch bias material with the edges hemmed and cable stitched with colored thread and gathered in the center may be twisted around the hat. To hide the gathering string a wreath of dainty flowers or an 1/2 inch ribbon may be wound around the hat. The ribbon may be finished off by simple tailored bow or streamers may be left hanging.

- d. Lining.

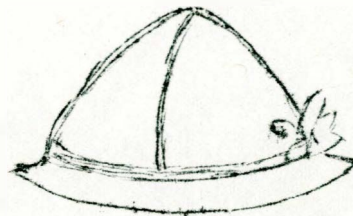
1. Cut a second 14 inch circle. Turn up 1/2 inch and gather in fullness until it is head size measurement. Slip stitch unto hat.

## III. Four quartered crown.

- a. Again the size of the crown depends upon the size of the head and the amount of hair. This style crown can be worn by an adult as well as a child.



1/4 crown



The distance from a to b is  $\frac{1}{4}$  head size. The distance from c to d is  $\frac{1}{2}$  the distance from the spot between the eyebrows to the back of the head plus 1 inch.  $\frac{1}{2}$  inch seam allowances must be allowed on all three sides.

If cording is used between the quarters the crown is much prettier. To make the cord, cut  $1\frac{1}{2}$  inch bias strips of material and use either heavier twine or several strands of yarn as filler.

#### ADULT CROWNS

1. Shirred.
2. Oval top - Same size as head size. 10 inch bias side crown. Brought down in fold.
3. Large oval top and shaped side crown.
4. Small oval top and shaped side crown.