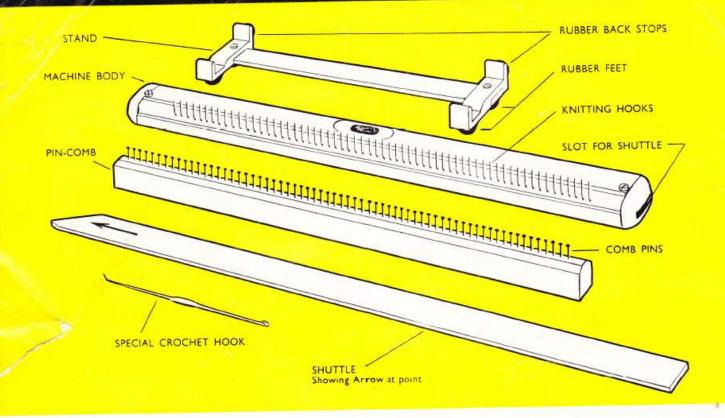


JUNIOR Knitting machine



DESCRIPTION OF MACHINE

The 'Zip' Junior Home Knitting Machine is not a toy but a real machine that can knit many different clothes for your dolls, or baby brothers and sisters, even small articles of clothing for your parents, such as scarves, gloves, etc.

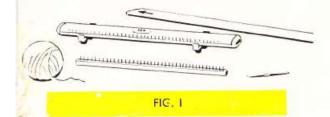
After mastering the simple initial stitch, there is unlimited scope for working out many new and interesting pattern stitches for a wide range of woollies.

'Zip' Junior enables you to knit very fast with even stitches. It is capable of producing almost any type of pattern, using any number of combinations of colours, and permits you to make any shape by simply increasing or decreasing the rows knitted. The 'Zip' Junior is a solid all metal unit, no mechanical parts to wear out or go wrong. It needs absolutely no maintenance whatsoever.

Important. Before commencing to knit on the 'Zip' Junior machine, make yourself conversant with its principles of operation, by referring to the illustration above, and reading the 9 simple steps. If you are in doubt about anything—ASK YOUR MOTHER OR FATHER. They, we are sure, will be delighted to explain any little point which is troubling you.

spare Pin-Combs. If you wish to have more than one garment in the making at the same time, you can purchase extra pin-combs at your 'Zip' store. This enables you to leave dolls' clothes part-made whe you try your hand at Dad's scarf. Always handle the pin-comb with care. If the comb is frequently dropped or misused the pins may be bent and cause uneven knitting.

It's simple to knit with 'Zip'



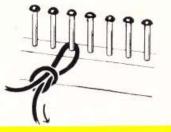


FIG. 2

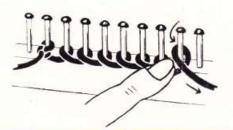


FIG. 3

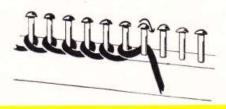


FIG. 4

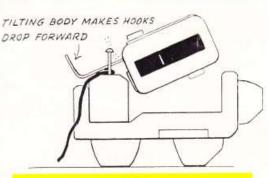


FIG. 5

Step 1. Sit at a table with the body of the machine resting on its stand, and with the shuttle pulled out to the right of the machine, arrow on top, pin-comb placed on table in front of machine. Have wool ready rolled in balls at left of machine. (Fig. 1.)

Step 2. TO CAST ON. Use the number of pins on the pin-comb which correspond to the required width of the knitting. Make a loop in the wool, tie a slip knot and tighten the loop on the pin (Fig. 2) from where you wish to start knitting (not necessarily on the extreme outside for smaller widths).

Step 3. Commence from the left-hand side, simply wind the wool anti-clockwise around each pin to the width required as shown in (Fig. 3) being careful as you do it to place your first finger of the left hand on the wool, as you wind it around the pins, in order to keep the wool loose. The last stitch, however, must be placed clock-wise around the last pin and the thread is then left to hang down the front of the pin-comb (Fig. 4).

Step 4. Place the pin-comb centrally in the slots at the front of the machine.

Step 5. Lift the body of machine out of the stand, tilt it towards you and allow knitting hooks to fall forward, passing between the pin-comb pins (Fig. 5).

Step 6. The wool hanging down from the last clockwise turn on the pin-comb is now taken along the channel between the hooks and pins (Fig. 6) across the width of the knitting and then allowed to hang down between any two pins to the left of the work.

DO NOT PULL WOOL TIGHTLY ALONG THE CHANNEL

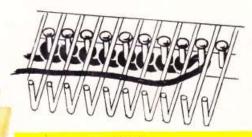


FIG. 6

CHANNEL FORMED BY HOOKS AND PINS

Step 7. Replace the body on its stand, the hooks staying forward (Fig. 7). Pick up shuttle, arrow on top, and push it point first from right to left through the slot in body of machine, until point appears at left.

back stops (Fig. 8). Begin at the right and with the point of the special hook provided, lift the loop or stitch between the first and second pins over the second pin-head (Fig. 9). The first stitch on the first pin is to be left alone. Now lift the loop between the 2nd and 3rd pins over both 2nd and 3rd pin heads (Fig. 10). Then the loop between 3rd and 4th pins is lifted over 3rd and 4th pin-heads. Continue like this along the row, but at the end, instead of pulling the last loop over the last 2 pin-heads, pull it over the 2nd last pin-head only. Finally lift the original knotted loop over the last pin-head (Fig. 11). Loose end of wool is still on your left.

Step 9. Tip machine forward on to its feet. Pull shuttle out to the right of the machine. Lift out pincomb, turn it around (Fig. 12) so that loose end of wool is on right, and replace pin-comb in slots. Push all stitches on pins, hard down against wood, and take care that each pin has only one stitch on it. As before, pick up body of machine, tilt towards you so that knitting hooks move forward and replace on stand with hooks between pin-comb hooks. Once again take the wool along the channel between hooks and pins and bring down beyond width of knitting at left. Push shuttle through machine to left as before. Tilt machine once again on to the back stops, starting at right-hand side take loops between 1st and 2nd pin-heads and place over the 2nd pin-head (Fig.13) making sure that only one stitch is left on pin-head. Take loops between 2nd and 3rd pin-heads and place

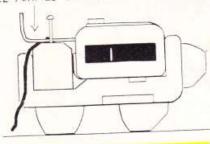


FIG. 7

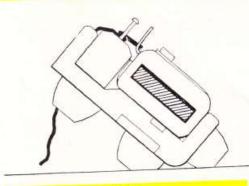


FIG. 8

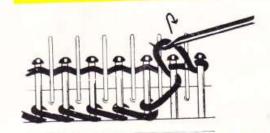


FIG. 9

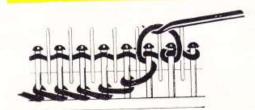


FIG. 10

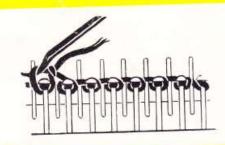
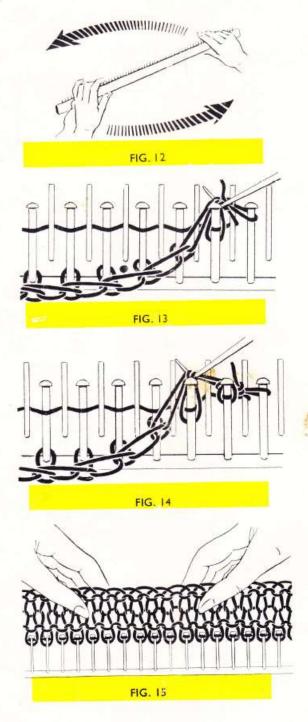


FIG. 11



Step 9-continued.

over 3rd pin-head (Fig. 14) and continue in same way until the end of row is reached. out shuttle to right of machine and reverse pincomb as before, allowing loose end of wool to hang down in front of comb at right. Push all stitches on pins hard down against wood. You have now cast on and knitted one row. Lift body of machine and tilt towards you, allowing hooks to come forward forming a channel as before. Again take wool along channel so formed, beyond width of knitting at left, push shuttle through machine to left once again. Although this may seem difficult at first and may require a little patience and perseverance, after practising once or twice with old wool it will become quick and easy to do.

Now we really begin to knit. The advantages of the machine become clear because you can now take the knitting between your thumb and fingers and draw it over the pin-heads (Fig. 15), without the help of the special hook. There is no further need to finish one stitch after the other, as several may be done at once. When the knitting is about \(\frac{1}{4} \) in. to \(\frac{1}{2} \) in. long you can finish a whole row by drawing all the stitches over the pin-heads in a few quick movements, but holding (with the finger), the first stitch on the right which always remains on the pin.

GENERAL REMARKS

It is IMPORTANT in all 'Zip' knitting to always keep the ball of wool on your left-hand side, even though the wool is always used from the right-hand side. Also always make certain that the wool lies only between the hooks and pins, and DO NOT STRETCH TIGHTLY along the channel. 5

TO INCREASE

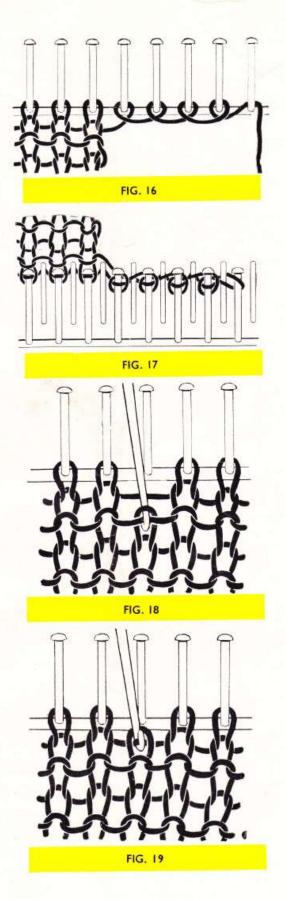
You can increase as many stitches as you need to give the knitting any shape you want. Increase always on the right-hand side of the machine. To add one stitch wind the yarn clockwise around the next pin to the work (as on the last pin on the right, Fig. 16), then take the yarn along the channel as before.

To add several stitches, wind the yarn anticlockwise around the required number of pins, the last stitch being wound clockwise (Fig. 16) and proceed as usual.

These new stitches must be handled with the hook, exactly as in casting on (Figs. 9 and 10, page 4). Then lift the rest of the work over the pin-heads with the fingers (Fig. 17).

TO CORRECT MISTAKES

Mistakes may occur when the stitches of a row are not finished up tightly enough, i.e., if stitches are loose there is a possibility that they may slip back from the pin and drop. It is, therefore, very important that you never forget to push each finished row down on the pincomb, and to pull the knitting in order that all the stitches lie firmly on the bottom end of the pins against the wood, leaving the pin-heads standing free. Do this always after turning the comb and before recommencing the knitting procedure. If a stitch has dropped, pick it up with the crochet hook (as you would do when knitting by hand, Figs. 18 and 19) the plain stitch in front, the purl from behind the knitting and hang the stitch again on the pin it dropped from. If you have to correct a mistake, let the stitch drop as far as you need to correct the faulty stitch, pick it up again by means of the crochet hook and hang it on the pin from where you have let it fall.



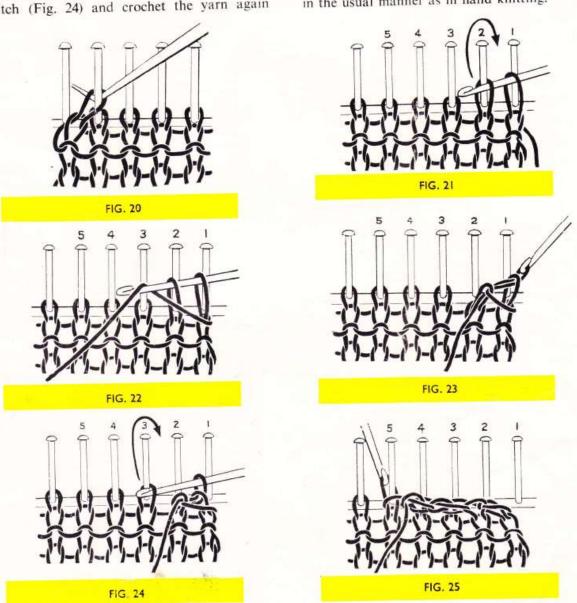
TO DECREASE AND CAST OFF

You can decrease by one stitch on either the right or left side, or on both sides of the work by drawing the last stitch over the next (two stitches on one pin. Fig. 20).

To decrease by several stitches (four in our example) do it only on the right-hand side of the machine. Pick up the last two stitches with the crochet hook, lifting them off the pins (Fig. 21) and crochet the loose yarn through them (Figs. 22 and 23). Pick up the third stitch (Fig. 24) and crochet the yarn again

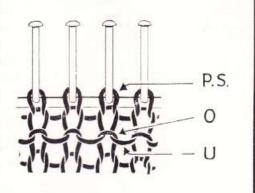
through both stitches on the hook. Do the same with the fourth stitch.

Pick up the *fifth* stitch and crochet it through the loop already on the hook, and hang it again on the fifth pin (Fig. 25). Carry the yarn along the channel and knit as before, being careful to hold the stitch on the fifth pin, which now forms the end stitch of the shortened row. CASTING OFF is done in exactly the same way, working from right to left, and tying off in the usual manner as in hand knitting.



HOW TO KNIT A PATTERN

There are three kinds of stitches used for knitting patterns: the under loop "u", the over loop "o", and the stitches on pin-heads, "p.s." The over loop lies directly underneath the pin, whereas the under loop is placed between the pins. It is necessary to count the stitches only when you are doing the first and second rows. After this you see the pattern lying before you, so that you need not count again. First and last stitches are always to be left alone and never to be counted in pattern rows.



HONEYCOMB STITCH

(Note: When reading pattern rows do not count 1st and last pin-head. These are always left alone. 1st stitch in pattern will be on the 2nd pin-head. This gives a firm edge to work.)

Cast on an even number of stitches. Knit plain 2 rows.

Pattern:

1st row (right side of work): Hang the 2nd over loop on to the pin standing directly above it.

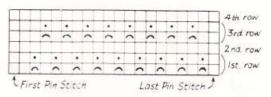
* Miss 1 stitch, hang the next over stitch on to the pin standing directly above it. Repeat from * to end then knit through as usual.

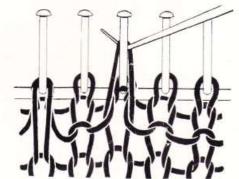
2nd row: Plain knit.

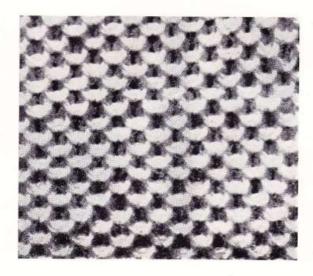
3rd row: Hang the 3rd over loop on to the pin standing directly above it, miss 1 stitch * hang the next over loop on to the pin directly above it, miss 1 stitch. Repeat from * to end then knit through as usual.

4th row: Knit plain.

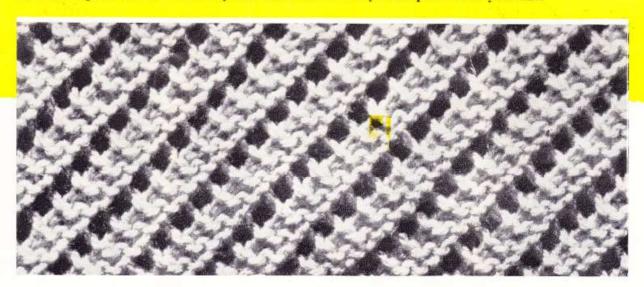
Repeat 1st to 4th row for pattern.







We are illustrating and giving directions for only two of the many patterns you may work on 'Zip' Junior. It is left to you to work out as many other patterns as you wish.



FANCY PATTERN STITCH

(Note: When reading pattern rows do not count 1st and last stitches. These are always left alone. 1st stitch in pattern will be on the 2nd pin-head. This gives a firm edge to work.)

Cast on stitches in multiples of 4. Then add 2 sts. for 1st and last stitch.

(Examples: 16+2=18 stitches. 20+2=22 stitches.)

Cast on 22 stitches and knit I row.

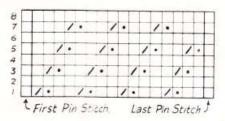
PATTERN:

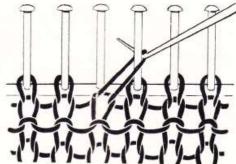
1st row: Take 1st pin stitch off and hang on 2nd pin stitch. Miss 2 stitches * Take 3rd pin st. off and hang on 4th pin stitch, miss 2 sts. Repeat from * to end then knit through as usual.

2nd row: Knit plain.

3rd row: Take 2nd pin stitch off and hang on 3rd pin stitch, miss 2 stitches * Take 3rd pin st. off and hang on 4th pin stitch. Miss 2 sts. Repeat from *. At end miss 1 st. only. Then knit through as usual.

4th row: Plain knit.





5th row: * Miss 2 sts., take 3rd pin stitch off and hang on 4th pin st. Repeat from * to end then knit through as usual.

6th row: Plain knit.

7th row: Take 4th pin st. off and hang on 5th pin st., miss 2 sts. * take 3rd pin st. off and hang on 4th pin, miss 2 sts. Repeat from * ending, miss 3 sts. instead of 2 sts. Then knit through as usual.

8th row: Knit plain.

Repeat 1st to 8th rows for pattern.

KNITTING instructions

BARY'S JUMPER

Materials: 2½ oz. 3-ply wool. 2 Buttons.

Measurements: 20 inch chest. Length from top of shoulder, 10½ inches. Sleeve, 8½ inches.

Front: Cast on 64 sts. Knit plain 26 rows. To make ribbing, lift 2nd p.s. off and drop to 1st row, being careful not to lose st. at cast on row. Using crochet hook sl. st. it up each row back into pin-head * miss 1 p.s. drop next p.s. to 1st row, sl. st. as before on to pin-head. Repeat from * to end. Knit through as usual. Reverse pin-comb and repeat this crochet hook row. This forms k.1 p.1 rib.

Knit plain 76 rows ($6\frac{1}{2}$ inches from commencement).

Cast off 5 sts. at beginning of next two rows, then 2 sts. at beginning of 2 following rows (50 sts.).

Knit plain 16 rows (length now 8 inches).

Shape Neck: Knit plain 25 sts. sl. next 25 sts. on to a stitch holder and work on first 25 sts. Cast off 6 sts. at beginning of next row (neck edge). Knit plain 19 sts. Then decrease once in following 4 alternate rows (neck edge). Then knit plain until work measures 10 inches from commencement.

Shoulder shaping: Cast off 5 sts. at armhole edge in next and following 2 alternate rows. Place remaining 25 sts. back on to pin-comb and work in same manner.

BACK: Work as given for front until armhole shaping is completed. Then continue in knit plain until work measures same as front at armhole edge.

Shape Shoulder: Cast off 5 sts. at beginning of next 6 rows. Cast off remaining sts.

ABBREVIATIONS USED IN FOLLOWING INSTRUCTIONS

p.s. = pin stitch

d.c. double crochet

tr. treble

sl. st. = slip stitch

sl. = slip

ch. chain

SLEEVES: Cast on 44 sts. Knit plain 20 rows. Then rib as for front.

Knit plain, increase once at beginning of every 4th and 5th row until there are 52 sts. Work without shaping until work measures $8\frac{1}{2}$ inches.

Shape Top: Cast off 8 sts. at beginning of next 2 rows. Then decrease once at each end of next row. Knit plain 2 rows. Repeat last 3 rows 12 times.

Cast off.

Neck Band: Cast on 84 sts. Knit plain 12 rows. Rib as for front band. Cast off.

To Make Up: Sew up left shoulder. Then right shoulder for $\frac{1}{2}$ inch. Sew neck band on. Turn over and sl. st. to right side of jumper. Sew in sleeves. Sew up side and sleeve seams. Make 2 loops on shoulder. Sew on buttons.





DOLL'S COAT

Materials: 3 oz. 3-ply wool and ribbon.

Measurements: 15 inches chest. Length from shoulder 12 inches. Length of sleeve 6 inches.

BACK: Cast on 64 sts. Knit plain 120 rows (74 inches). Slip first 20 p.s. on to special hook. Then hang them back 2 at a time on to 10 pinheads. Do the same with last 20 p.s. Then knit through row as usual. (44 sts. on pin-comb.) Next row make ribbon holes * miss 3 p.s. take 4th p.s. off and hang on 5th p.s. Repeat from * ending miss 4 p.s. Then knit through as usual. Knit plain 4 rows.

Shape Armhole: Cast off 2 sts. at beginning of next 2 rows. Then decrease 1 st. at each end of next row (38 sts.).

Knit plain 28 rows.

Shape Shoulder: Cast off 12 sts. at beginning of next 2 rows. Then cast off remaining sts.

FRONTS (Both alike):

Cast on 50 sts. Knit plain 120 rows. Slip 44 sts. on to special hook leaving 6 sts. on pinheads for front edge of coat. Then hang the 44 sts. two at a time back on to 22 pin-heads. Knit through as usual (28 sts.).

Continued on page 12.

BARY'S VEST

Material: 1½ oz. 3-ply wool.

Measurements: 15 inch chest. Length 13 in.

(Back and Front alike.)

Cast on 54 sts. Knit plain 128 rows.

Cast off 6 sts. at beginning of next 2 rows.

Next row decrease once at beginning of row.

Knit 20 sts.

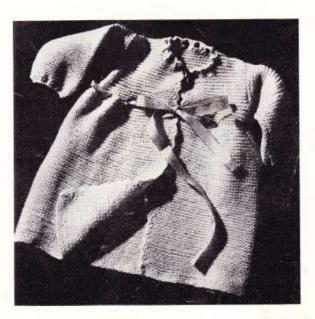
Slip next 21 sts. on to a stitch holder.

Continue on remaining sts. Cast off 6 sts. beginning of next row (neck edge). Then decrease once at beginning of 4 alternate rows (10 sts. in all, at neck edge).

Knit plain 28 rows. Cast off.

Place remaining 21 sts. back on pin-comb and work in same manner.

To Make Up: Press lightly. Sew up shoulder and side seams. Work one row d.c. round armholes. Then work 1 d.c. 3 chain sl. st. into d.c. evenly round neck.



Doll's Coat-continued

Next row make ribbon holes. Miss 3 p.s., * hang 4th p.s. on 5th p.s., miss 3 p.s., repeat from * to end. Knit through.

Knit plain 4 rows.

Shape Armhole: Armhole edge cast off 3 sts. at beginning of next row. Then 2 sts. at beginning of following alternate row. Knit plain 20 rows.

Shape Neck: Cast off 8 sts. at beginning of next row (neck edge). Then decrease once at same edge in following 3 alternate rows. Cast off remaining sts.

SLEEVES (Both alike)c =

Cast on 40 sts. Knit plain 80 rows. Cast off. To Make Up: Press lightly. Sew up shoulder seams. Sew in sleeves. Sew up side and sleeve seams. Using crochet hook—commencing at lower edge of right front work 3 treble into 1st row * 3 ch. miss 1 row 2 tr. into next row. Repeat from * to neck edge. Work 1 tr. 2 ch. evenly around neck edge. Work down left front as for right front. Work 1 row of d.c. round sleeves missing every 3rd st. Thread ribbon through ribbon holes.



DOLL'S JACKET

Materials: 1½ oz. 3-ply wool.

Measurements: 14 inch chest. Length from top of shoulder, 8 inches. Sleeve, 5 inches.

Cast on 51 sts. (49 sts. for pattern).

Knit plain 10 rows.

Then work 16 pattern rows as given for dress twice.

Knit plain 6 rows.

**Armholes: Cast off 18 sts. Knit through to

Next row: Knit plain.

Next row: Cast on 18 sts. Knit through to end.**

Knit plain 95 rows.

Repeat from ** to ** once.

Knit plain 6 rows. Then twice repeat 16 pattern rows as given for dress.

Knit plain 10 rows. Cast off.

SLEEVES (Both alike):

Cast on 39 sts. (37 sts. for pattern).

Work 16 pattern rows as given for dress 4 times. Cast off.

To Make Up: Sew up shoulder and sleeve seams. Sew in sleeves. Finish neck and sleeves as for dress.

DOLL'S DRESS

Materials: 2½ oz. 3-ply wool.

Measurements: 13 inch chest. Lergth, 121/2

inches.

SKIRT: Cast on 63 sts. (61 sts. for pattern).

1st, 2nd, 3rd, 4th rows: Knit plain.

5th row: Miss 5 p.s. Hang next p.s. on p.s. to left (5th p.s.) miss 1 p.s. Hang next p.s. on p.s. to right. * Miss 8 p.s. hang next p.s. on p.s. to left, miss 1 p.s. hang next p.s. on p.s. to right. Repeat from * ending miss 4 p.s. Knit through.

6th row: Knit plain.

7th row: Miss 4 p.s. Hang next p.s. on p.s. to left. Miss 3 p.s. Hang next p.s. on p.s. to right.* Miss 6 p.s. Hang next p.s. on p.s. to left. Miss 3 p.s. Hang next p.s. on p.s. to right. Repeat from * ending miss 3 p.s. Knit through.

8th row: Knit plain.

9th row: Miss 3 p.s. Hang next p.s. on p.s. to left. Miss 5 p.s. Hang next p.s. on p.s. to right. * Miss 4 p.s. Hang next p.s. on p.s. to left. Miss 5 p.s. Hang next p.s. on p.s. to right. Repeat from * ending miss 2 p.s. Knit through.

10th row: Knit plain.

11th row: * Miss 2 p.s. Hang next p.s. on p.s. to left. Miss 7 p.s. Hang next p.s. on p.s. to right. Repeat from * ending miss 1 p.s. Knit through.

12th row: Knit plain.

13th row: Hang 2nd p.s. on 1st p.s. Miss 9 p.s. * Hang next p.s. on p.s. to right. Then next p.s. on p.s. to left (3 sts. on 1 pin-head). Miss 9 p.s.



Repeat from * to last 2 sts. Hang next p.s. on p.s. to right. Knit through.

14th row: Knit plain.

15th and 16th rows: Knit plain.

Repeat these 16 rows 17 times. Cast off.

YOKE:

Cast on 26 sts. Knit 40 rows plain.

** Cast off 16 sts. Work to end of row.
Knit plain 1 row.

Next row: Cast on 16 sts. Work to end of row.

**Knit plain 67 rows. Repeat from ** to **
once.

Knit plain 40 rows. Cast off.

SLEEVES (Both alike):

Cast on 40 sts. Knit plain 30 rows. Cast off.

To Make Up: Sew up skirt seam. Sew skirt to yoke with opening at front. Sew up shoulder and sleeve seams. Sew in sleeves. Crochet ribbon holes round neck and 2 loops on front for buttons. Work 1 row d.c. round sleeves, missing every other stitch. Sew on buttons.

DOLL'S BONNET

Cast on 51 sts. (49 sts. for pattern). Knit plain 40 rows then work 16 pattern rows as given for dress twice. Knit plain 10 rows. Cast off.

To Make Up: Work 1 row of d.c. along front edge. Sew up back. Turn front edge back. Work ribbon holes. Crochet 1 tr. 2 ch. 1 tr. evenly along lower edge. Thread ribbon through.

SCARF

Small Size: Cast on 29 sts.—27 pattern sts. Large Size: Cast on 61 sts.—59 pattern sts.

Do not count first and last pin stitch when working pattern. First pattern stitch is second pin stitch.

Knit plain 2 rows.

1st pattern row: Miss 1 p.s., hang 2nd p.s. on 3rd p.s. * miss 2 p.s., hang 3rd p.s. on 4th p.s. repeat from * end miss 4 p.s., knit through.

2nd row: Knit plain.

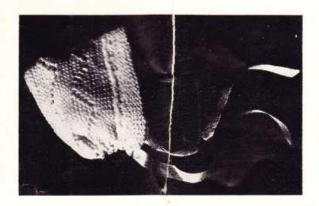
3rd row: * Miss 2 p.s., hang 3rd p.s. on 4th p.s., repeat from * ending, miss 3 p.s., knit through.

4th row: Knit plain.

5th row: Miss 3 p.s., hang 4th p.s. on 5th p.s. * miss 2 p.s., hang 3rd p.s. on 4th p.s., repeat from * ending, miss 2 p.s., knit through.

6th row: Knit plain.





7th row: Miss 4 p.s., hang 5th p.s. on 6th p.s. * Miss 2 p.s., hang 3rd p.s. on 4th p.s. repeat from ending, miss 1 p.s., knit through.

8th row: Knit plain.

9th row: Miss 5 p.s., hang 6th p.s. on 7th p.s. * Miss 2 p.s., hang 3rd p.s. on 4th p.s., repeat from * to end, knit through.

10th row: Knit plain.

11th row: Miss 4 p.s., hang 5th p.s. left on to 4th p.s. * miss 3 p.s., hang 4th p.s. left on to 3rd p.s., repeat from * ending, miss 2 p.s., knit through.

12th row: Knit plain.

13th row: Miss 3 p.s., * hang 4th p.s. back on to 3rd p.s., miss 3 p.s., repeat from * to end, knit through.

14th row: Knit plain.

15th row: Miss 2 p.s., hang 3rd p.s. back on to 2nd p.s. * miss 3 p.s., hang 4th p.s. back on to 3rd p.s., repeat from * ending, miss 4 p.s., knit through.

16th row: Knit plain.

17th row: Miss 1 p.s., hang 2nd p.s. back on to 1st p.s. * miss 3 p.s., hang 4th p.s. back on to 3rd p.s., repeat from * ending, miss 5 p.s., knit through.

18th row: Knit plain.

3rd to 18th rows form pattern, repeat these rows to required length ending by knitting 2 plain rows. Cast off.

To make fringe: Take piece of cardboard 4" wide and double in half to 2" wide. Wind sufficient wool round this and cut along open edges of cardboard. You now have even 4" strands of wool. Take four strands at a time, double in half, pull the loop through end of scarf with crochet hook. Pull the loose ends through the loop and pull tight. Repeat this along end of scarf.



