

DUET

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INTERNATIONAL

THE magazine for
PASSAP & PFAFF
Knitting Machine
Owners



Articles
Patterns
Letters
Hints
Tips –
Just for
Passap
System
Knitters

Number 6
Spring 1991

PICTO Intarsia lock

PICTO...

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ELECTRONIC 6000
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separate needle return
carriage is needed

knits without weights or
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is guaranteed by
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for single bed, double bed
and tubular knitting

casts off even if you
haven't knitted with all
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shows you how many
stitches you have already
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can be used on
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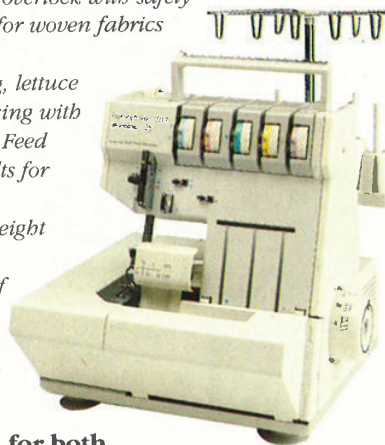
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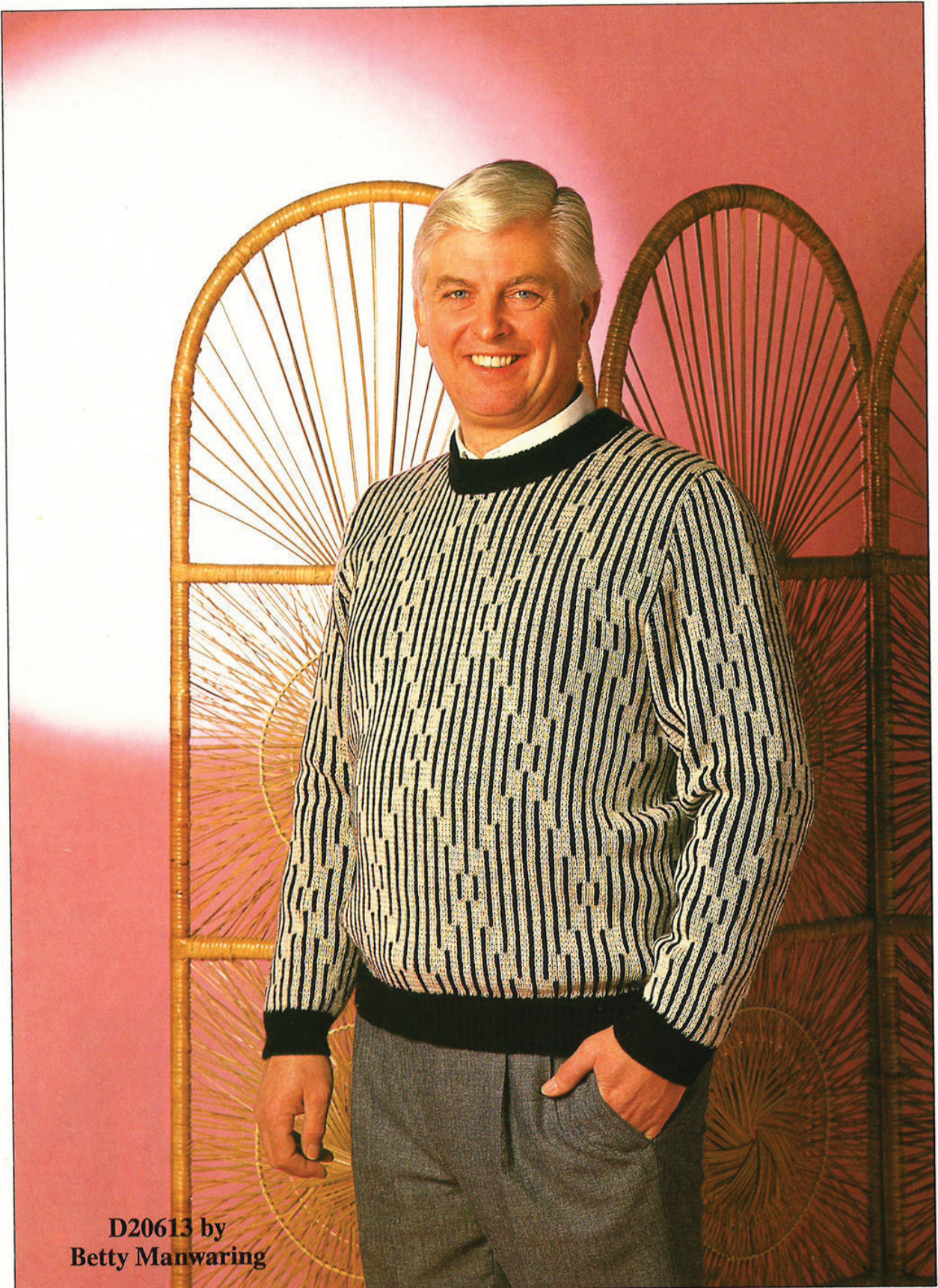
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D20613 by
Betty Manwaring

DUET

INTERNATIONAL

THE magazine for
PASSAP & PFAFF
Knitting Machine
Owners

Volume 2, Number 6

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The Editor's Letter

Dear Readers,

Spring is almost upon us once again, (at least here in the Northern Hemisphere), and it is time once again to be looking forward to lighter evenings and warmer weather to come.

I know that many knitters look on this time as one when less knitting is done and the garden begins to take over. For others, knitting takes preference throughout the whole year, even if we do have to fight our way through the garden as if it were a jungle, with uncut weeds etc. Perhaps we should all learn to spread ourselves out a little between the jobs and chores so that everything gets done. (But what a waste of valuable knitting time!)

We have more interesting garments and articles for you again in this issue of Duet, including garments that mix differing knitting techniques and stitch types within the design, such as Ontario. A sweater that mixes single and double bed knitting within the same garment parts.

The new Nice'n'Easy section will be featuring in future issues, taking a basic shape or stitch pattern, and making variations on a theme. Although written primarily for newcomers to the Passap System, this is useful to all knitters.

The 6000 stitch pattern chart is something that we have been longing for ever since the electronic machines first appeared. Now at last we can all see at a glance where stitch patterns made using differing techniques appear within the pattern manual. No more hunting through the pages for comparisons.


































We welcome in this issue Pat Cook, whose name I am sure many of you will know already. Pat is talking about using the Passap System machines to create some beautiful stitch patterns, without the aid of Deco or electronics. A capability that many of us seem to forget about, and it is so easy!

See you again in the summer.

Best wishes,

George

SYMBOLS AND ABBREVIATIONS

	BLACK STRIPPERS ABAISSEURS NOIRS		HANDLE DOWN EN BAS		EASY FACILE		SKIRT JUPE
	BLUE STRIPPERS ABAISSEURS BLEU		HANDLE UP		FORM COMPUTER FORME		ACTUAL MEASUREMENTS DIMENSION ACTUEL
	ORANGE STRIPPERS ABAISSEURS ORANGE		TRANSFER POS POSITION 9 HEURES		MAKING UP ASSEMBLAGE		SIZE(S) TAILLES
	DECO SETTING DECO PROGRAMME		RACK 1 POS LEFT UN TOUR À GAUCHE		BACK LE DOS		STITCH PATTERN DESSIN
	FORM COMPUTER FORME		RACK 1 POS RIGHT UN TOUR À DROITE		FRONT DEVANT		SWATCH SIZE ECHANTILLON
	WITH FRONT LOCK ALONE TRAVAILLER UNIQUEMENT AVEC LE CHARIOT AVANT		RACK 2 POS RIGHT DEUX TOURS À DROITE		SLEEVE(S) MANCHE		GARMENT WEIGHT
	LEVER POS FOR U80/U100/100E POSITION DE MANETTE D'U80/U100/U100E		TRANSFER TO BACK BED TRANSFÉRER D'AVANT À L'ARRIÈRE		RIB or BAND COTE		YARN(S) LAINE/FILS
			TRANSFER TO FRONT BED TRANSFÉRER D'ARRIÈRE À L'AVANT		BUTTONHOLE BAND BANDE DES BOUTONS		FABRIC YARDAGE TISSU TRICOT
					COLLAR COL		MACHINE(S)

YARN NOTES

For accurate results, you must use the yarn specified. If you wish to substitute, then use a yarn of the same thickness and fibre type. Thickness is denoted by "count", e.g. 2/28's, or by yards/ounce metres/100gm. If you substitute yarns with a totally different fibre content, i.e. use cotton instead of lambswool, the resulting garment will not be accurate in sizing. It is also important to remember that the colour of the yarn will slightly affect the tension swatch size, so knitting a swatch is essential, even if you are not substituting yarns. Also remember that all machines vary slightly. Stitch sizes given are intended only as a starting guide to knitting your own personal swatch.

alt	alternate
approx	approximate
BB	back bed
beg	beginning
circ	circular
cm	centimetre
CoF	cast (bind) off
Col 1,2, 3,4	Colours 1, 2, 3, 4
CoN	cast on
cont	continue
dec	decrease(s)
Diag	diagram(s)
FB	front bed
ff	fully fashioned
fol	following
g	grams
inc	increase(s)
K	knit
K/K	every needle rib
Lk(s)	lock(s)
LT	left
mm	millimetres
N(s)	needle(s)
NWP	non-working
	position
opp	opposite
P	purl
pos	position
pshr	pusher(s)
1/4P	transfer position
RC	row counter
RP	rest position
rk	rack
R(s)	row(s)
rel	release
str	straight
SS	stitch size
st(s)	stitch(es)
stst	stocking stitch
trans	transfer
WP	working position
CoRak	Cast on with racking
	Cast on with circular rows

KNITTING FROM DIAGRAMS & CHARTS

Please read this section carefully before commencing to knit from charts

The pattern writing method used within DUET utilizes all the Paspap/Pfaff pictograms from the Model Books by permission of Madag, Switzerland, as well as our own for yarn, weight and so on. These symbols are not difficult to read and are logical. All garment parts are shown drawn to shape, *but not necessarily to scale*. Symmetrical shapes are shown only as the right half of the part. A broken line always denotes the centre of the part. The opposite side of the shape is knitted at the same time, in reverse. If there is no broken line at the left, this means that the part is drawn complete and the shape seen in full.

Each garment section is sub-divided into smaller sections A,B, C etc. Always cast on and commence knitting at A, and continue through B, C and so forth. At the start of each section there are written instructions for that section within the pattern. The size of each section is given in centimetres at the bottom and left side of the chart. Needles/stitches are quoted at each section where necessary. The number given is always the number of needles and spaces

counted on the FRONT BED ONLY, in line with Madag's Model Books, unless otherwise stated in the pattern notes.

Shaping, increasings, decreasings are noted in blocks. These are ALWAYS read from the bottom to the top. e.g. -1K2 X 2[1:2:0:2]

-2K2
-3K2
-4K4

is read as

Cast off 4 and knit 4 rows.

Cast of 3 and knit 2 rows.

Cast of 2 and knit 2 rows.

Decrease 1 and knit 2 rows TWICE, [or once, none, twice], depending on the size followed.

Instructions in italics always refer only to 6000 electronic machines.

N.B.

Patterns will only be as accurate as your tension swatch and measurements. It is essential to match the swatch exactly and use specified yarns, or close substitutes of the same fibre type. (See Yarn notes above).

Alternatively, use Form Computer programmes and the yarn and stitch pattern swatch of your choice.

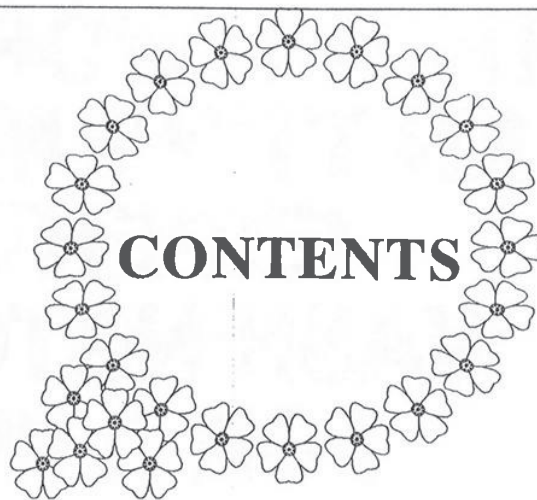
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Following our successful two day seminar 1990, there will be a similar event again this year

- **BIGGER & BETTER!** Held on a Saturday and Sunday in late Autumn 1991.
- A completely new set of topics & lectures, with new & more lecturers, plus a new venue with more facilities
- Most lectures will be followed by a "hands on" session, covering the appropriate techniques etc.
- You will NOT be required to bring your machine, yarns, accessories etc. with you!
- Lecture notes on ALL the topics will all be contained in a single, soft-bound book for each person. Also provided are notepads, folders, pens, pencils etc. So all you need to do is bring is yourself, and BE THERE!
- Hotel accommodation, meals and seminar are all inclusive, from Friday evening to Sunday tea, (based on single occupancy room).
- "Open" times on each day for individual questions etc.

For more details, please write to:-

Susan Loader (1991 Seminar),
DUET International Magazine,
7 Flambard Road,
POOLE,
Dorset, England,
BH14 8SU



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! Patterns with this symbol are easy to knit.

WITH THE WORLD'S BEST KNITTING MACHINE EXPERTS IN WASHINGTON, D.C. FOR A WEEK, THIS IS YOUR OPPORTUNITY TO CAPITALIZE.

If you've always dreamed of spending some time in the knitting capitol of the world, then plan on attending the Passap University in Washington, D.C. this summer.

Knitters from around the world will be there to share the inside secrets of the world's ultimate knitting machine, Passap.

Headquarters for this event is the lavish new Hyatt Regency Hotel located just a short 6 minute shuttle ride from Dulles

International Airport, and just 45 minutes away from Washington, D.C.

Tuition for this years university is just \$225.00. And if you get your check and registration form in by February 1 1991, the cost is just \$200.00.

As always, space is limited. So please call
1-800-PASS-KNIT
for registration materials.

But whatever you do, don't miss it. With this much machine knitting talent on hand, not being there would be a capitol crime.

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NEWS FROM THE U.S.A.

with MONA EARLY

Dear Passap Knitters,

One of the services that Passap U.S.A. provides for its knitters is Passap Club.

Passap Club is knitting information that Passap U.S.A. publishes each month. It may be a professionally designed pattern, and old Duomatic 80 favourite translated for the E6000, or a knit for charity programme. Club membership is of course only available through a Passap U.S.A. dealer. I thought that it might be fun this time, to share with all Duet readers some of the information that we pass on. The following is from the November 1990 Passap Club Newsletter.

ENTERING TECHNIQUES VIA THE E6000 READER

Those of you who have already read and memorized your manual will already know that it is possible to enter a knitting technique via the pattern reader.

Madag, in Switzerland, has told me that they do not have any information for us on how to draw our own techniques on cards, regarding the actual programming. However, they do have several pre-drawn techniques that they will share with us.

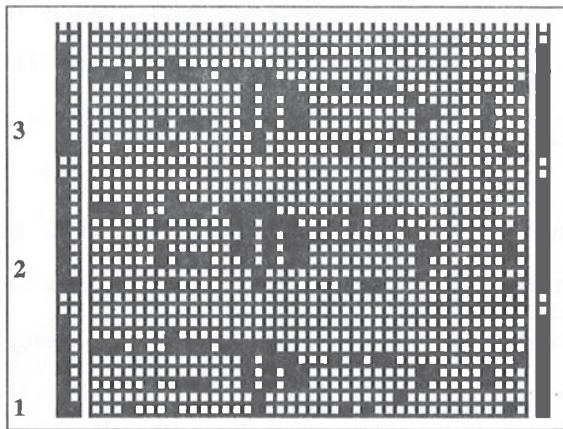
You need to transpose these techniques onto E6000 cards exactly as they appear here, or the technique will not work properly.

Cards for techniques are scanned through the computer optics in exactly the same way that pattern designs are scanned. After you have entered the stitch pattern that you have selected, (and if desired, altered it), the console display will read **KNITTING TECHNIQUE**. At this point you will read in and scan the card as follows:-

DISPLAY	ACTION	RESULTS
KNIT TECH	Press ● key	The console interprets the scanned information to knit the technique & displays knit information
READER	Read in card	
ENLARGE POSITION	Continue programme	

The following techniques allow you to take advantage of the superimposing option in the E6000 programming, to knit three or four colour summer fairisle and blister fabric with TWO colours blistered. Superimposing is done in the ALTER - ADD part of the programme.

In the past we have had to separate out the colours within each stitch pattern, and draw a separate row for each colour onto the card. (This process is explained on page 132 of the E6000 manual). Instead of going through this process, we can now simply superimpose the colours one on top of the other, and the technique card will explain to the computer what it has to do to knit the fabric. The card also contains information for the proper console displays while knitting; which strippers to use, when to change lock settings, and when to change colours.



Technique number 1 shown on the card is for 3 colour superimposed summer fairisle. There are several photographs of two colour summer fairisle in the E6000 manual on pages 41 - 43. This technique allows you to superimpose two pattern designs, using three colours, that are then knitted as a three colour summer fairisle fabric.

Technique number two is a four colour superimposed blister fabric, with colours 2 and 4 blistered. This means that for each row of pattern

squares in colours 2 and 4, there will be six rows of fabric knitted. It is important that when you go into the ALTER - ADD loop to programme the stitch patterns, that you enter them in the correct order. If this is not done, the wrong colours will have the blister rows. The colours that will have the blister rows are the black squares on the first pattern entered, and the black squares on the third pattern entered.

Technique number three is for four colour superimposed summer fairisle. This technique allows you to enter and superimpose three pattern designs, using four colours, that are then knitted as a four colour summer fairisle fabric.

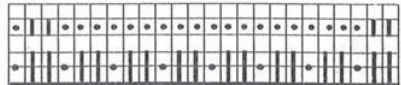
BLISTER FABRIC NOTES

Please be aware that all blister techniques will elongate the actual pattern design when knitted up as fabric.

STITCH SIZE

This varies with the yarn used, but the front lock should be about one and a half numbers higher than the back lock, e.g. Back 4, front 5.5

BACK BED NEEDLE SET UP



Back lock set to N for colours 1 and 3. Back lock set to BX for colours 2 and 4.

Next time I shall be talking about three and four colour blister fabrics on the Duomatic machines, and how to programme the cards to make this completely automatic.

See you next time,

Mona



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KNITTERS

6000 ONLY



Edward Taylor, England.



To fit up to 92cm Bust/Chest.



104cm Bust/Chest.
Length 71cm.



DESIGN - DESIGN 2/24's
Botany (merino) Wool:-
200g each Shades 767, 100.
100g each Shades 613A, 714,
10, 170, 235, 265, 370, 400, 721,
725, 725A, 728, 735, 744.
Picasso Cotton/Synthetic
blend:-
100g each Shades 50, 307.



40sts = 112mm, 40Rs =
31mm, measured over 4 col
jacquard after washing &
pressing.
40Rs Rib = 43mm.



From cards given. Tech 181 &
Tech 207 acc to Nd Diags &
charts, also colour sequence.



Page 4.



900g in 6 buttons.



Note differing Techs are used
within this patt and a jacquard
ribbing. Programme very care-
fully, entering correct Tech at
each appropriate place.
The shades & tones of colour
are obtained by changing the
mixes of yarns as sequence. To
make a simpler version,
choose 4 main colours and use
these for whole garment.

PROGRAMME

CAST ON - 4 - ENT

ST PATT A - 1100 - ENT
ALTER - NO
TECH - 181 - ENT
ENLARGE/POSITION - ENT
↔ STS 2 - NO
↔ STS X 1 - 3 - ENT
↔ STS - 6 - ENT
POSITION - ENT
TO R/L - 1 ENT

ST PATT B - ● - ENT (reader)
(Enter cards 1A & 1B)
ALTER - ENT
DIRECT - E→m ENT
ADD - ● (reader)
(Enter cards 2A & 2B)
DIRECT - E→m ENT
ADD - ● (reader)
(Enter cards 3A & 3B)
DIRECT - E→m ENT
KNIT TECH - 207 - ENT
ENLARGE/POSITION - NO



A. Cast on 4. Col 1 + blue
knit-in elastic if desired. Set as
Diag 1 & St Patt A. RC000. K
in col sequence as foll:-
Col 1 2 ends 767, 1 end 100 +
elastic throughout.
Col 2a 1 end 613A, 2 ends 71 to
RC20.
Col 2b 1 end 728, 2 ends 170 to
RC22.
Col 2c 2 ends 235, 1 end 370 to
RC 26.
Col 2d 1 end 728, 2 ends 170 to
RC30.
Col 2e 1 end 613A, 2 ends 714
to RC56.
For the above changes, change
yarn mixes in feeder 2. Push up
all empty Ns. K 1 R Col 1, N/N.
2Rs CX/CX, 1R N/N.
B. RC000. K in St Patt B.
Colour sequence :-
2Rs Col 1, 2 Rs Col 2, 2 Rs Col
3, 2Rs Col 4.
Col 1 = 1 end each 767, 100.
Col 2 = 1 end each 613A, 714.
Col 3a = 1 end each 235, 265
to RC72.
Col 3b = 2 ends 400 to RC232.
Col 3c = 2 ends 170 to RC392.
Col 3d = 2 ends 235 to RC552.
Col 3e = 1 end each 744, 400
to RC712.
Col 3f = 1 end each 170, 728 to
end.

Col 4a = 2 ends Picasso 50 to
RC152.

Col 4b = 1 end each 725, 725A
to RC304.

Col 4c = 1 end each Picasso
307, 721 to RC472.

Col 4d = 1 end each 170, 728
to RC624.

Col 4e = 1 end each Picasso
50, 735 to RC792.

Col 4f = 1 end each 370, 10 to
end. Change yarn mixes in
feeders 3 & 4 as shown in se-
quences while knitting this sec-
tion.

C. CoF - centre sts as chart.
Work RT side first in patt & col
sequence. K Lt side. CoF.



RIGHT

A. CoN as for back but over RT
90 Ns only. K as Back Col se-
quence.

B. As Back B & Col sequence.
C. Cont in Patt & dec as chart.
CoF. LEFT

K as Rt reversing shaping.
Reposition Patt 88 sts to Rt &
use Rt side of machine again.



A. Position St Patt B 1 st to RT.
CoN as Back A from N 45 Lt
to N 48 Rt.

K as Back A in Col sequence.
When K CX/CXRs add 1 extra
N ar Lt.

B. K in St Patt B as chart & Col
sequence as Back B. Inc as
chart.



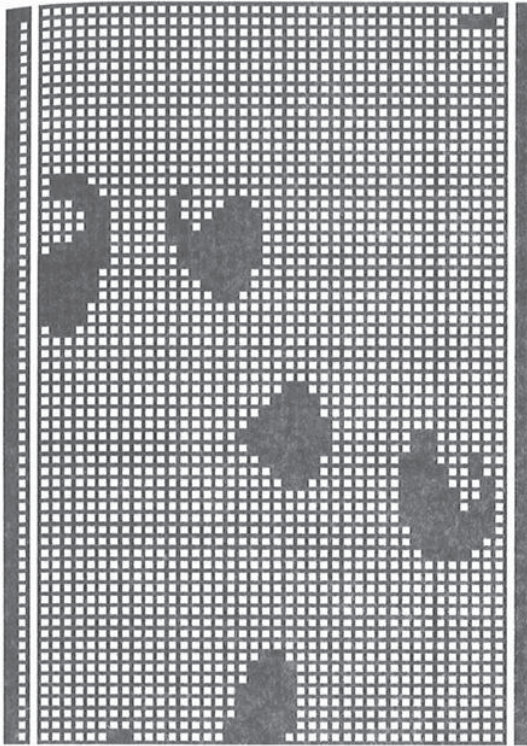
CoCir 19sts each bed, 1 X 1,
Col 1. RC000. Lks EX/N SS
2.25/2.25 K str to RC4 make
buttonholes over Ns 5,6,7 and
13,14,15, both beds, using odd
lengths of Col 1 yarn. Cont K
str. Rep buttonholes at RC36,
108, 182, 256, 328. Then K str
to RC1108. CoF.



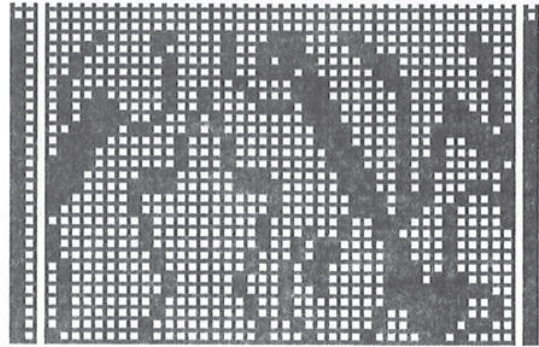
Wash, dry & block all parts to
size. Press all parts except ribs
& band. Join shoulder seams.
Match centre top sleeves to
shoulder seams & attach
sleeves. Join side & sleeve
seams. With right sides together, sew
on front band. Fold in half to inside,
stitch down. Sew buttonholes
together. Sew on buttons to match
buttonholes.. Give final light press.

to
5A
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28
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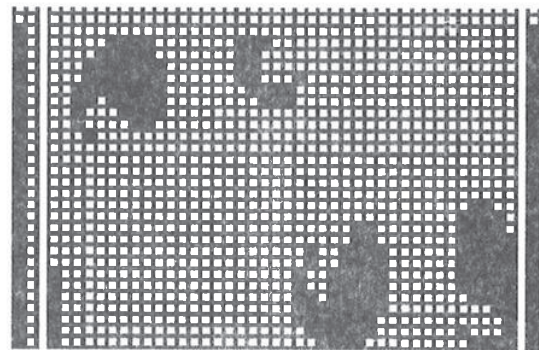
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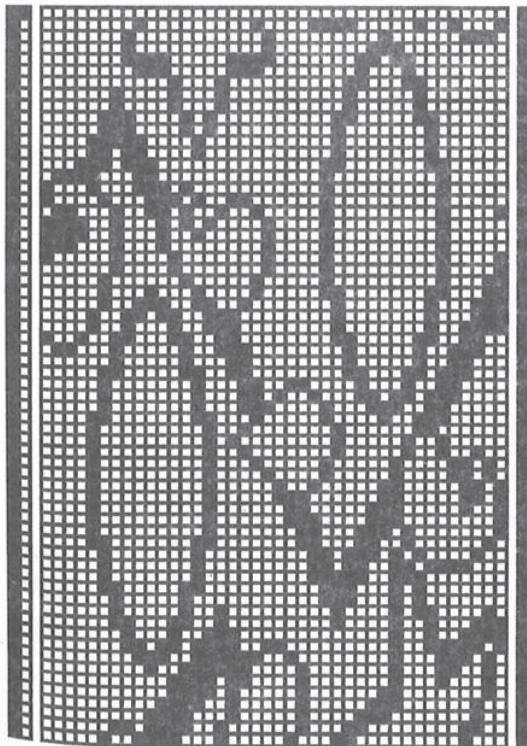
D20601 CARD 1B



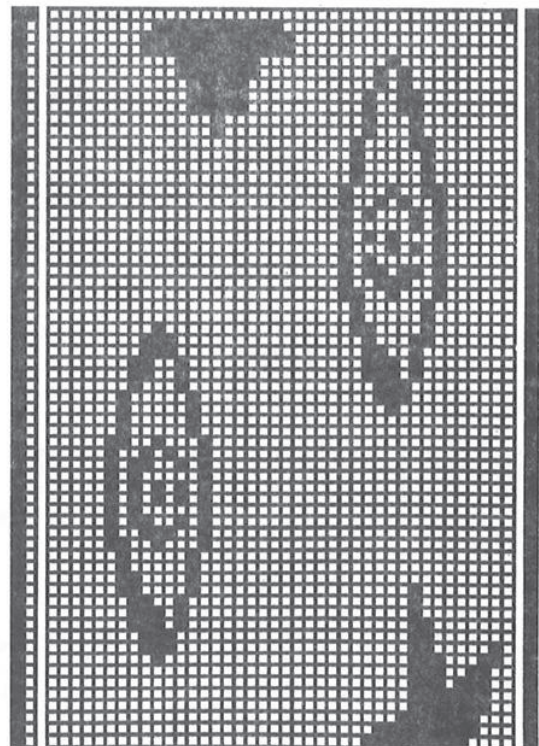
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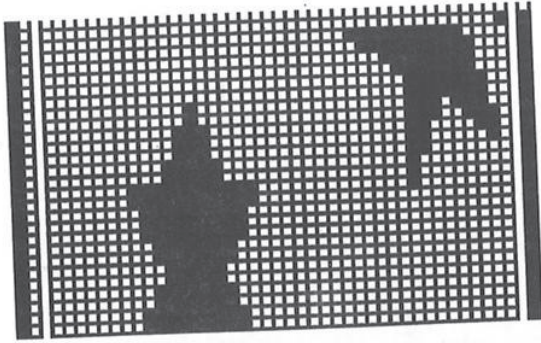


D20601 CARD 1A

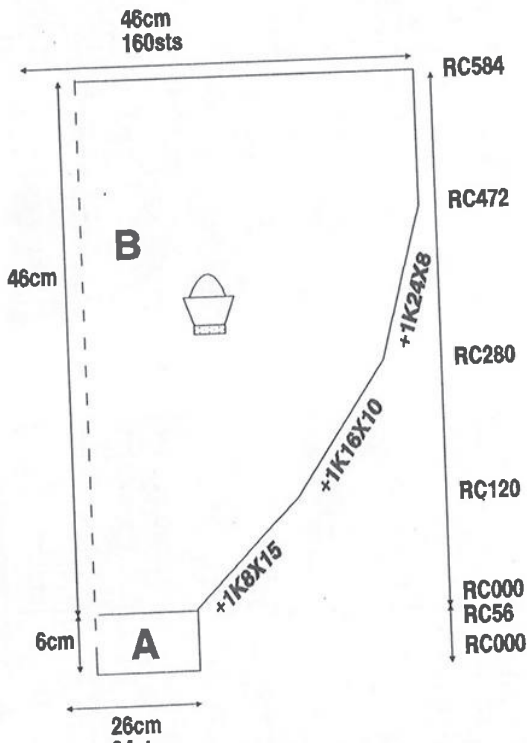
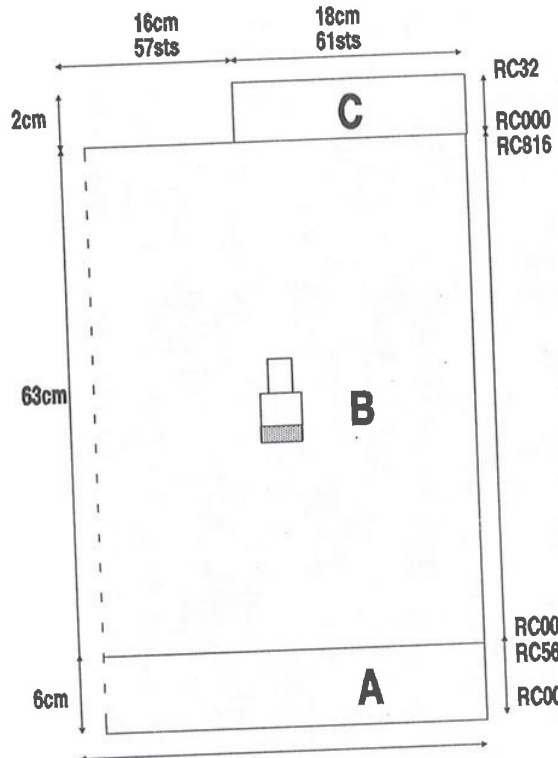


D20601 CARD 3A

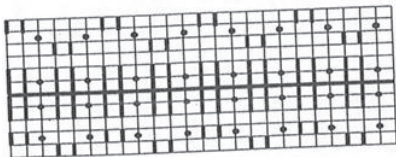




D20601 CARD 3B

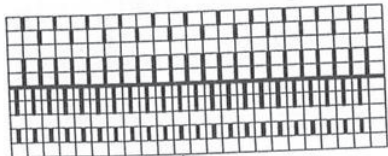


Diag 1

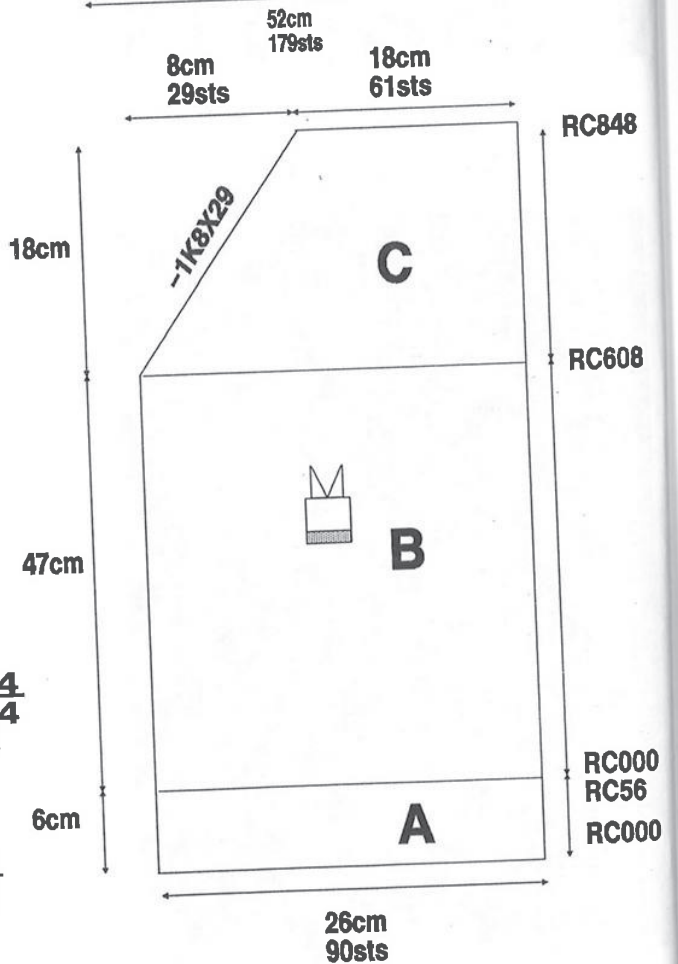


Diag 2

← BX 4
 LX 4
 TECH 181



← BX 4.5
 LX 4.5
 TECH 207





5, 80, 6000



Eileen Metcalfe, for
BRAMWELL.



86[92:97:102:107:112:117:122]
cms bust.



97[102:107:112:117:122:127:
132] bust.



1 X 500g BRAMWELL Duo
Magic = Col 1. Top Col 1
Lavendula, jacket White.
100% Acrylic 270 metres per
100g.



Tuck Panel
40sts = 200mm, 40Rs =
48mm.
Half Fisherman's Rib
40sts = 200mm, 40Rs =
50mm.
Measured without stretching
the fabric.

C848



Half fisherman's rib *Tech 105*.
Double bed tuck patt with
cards given. *Tech 138*.

C608



Page 4.



360 g Size 102cm.



This is a total sideways knit
garment.
Back panel & sleeve sections
identical for both garments.
Front panel instructions for
cardigan given in brackets
thus :- {20} etc.

RC000
RC56
RC000



A. CoCir K/K *Cast on 2*. Col 1.
Set Lks for patt as Diag. K str
in patt.
B. Place marker thread at Rt.
Dec as chart & K str to

C. Inc as chart.
D. Place marker thread at Rt.
K str as chart. CoF loosely.



A. As Back A.
B. Place marker thread at Rt.
Dec as chart & K str to
{CARDIGAN ONLY RC124.
CoF loosely. Lt front same, but
dec at Lt}
C. Inc as chart & K str to
D. Place marker thread at Rt.
K str & CoF loosely.



FRONT
Arrange 54Ns K/K. Lower
front bed. Bring work up be-
tween beds, wrong side of front
panel facing you. Pick up neck
edge onto BB Ns between
marker threads. Raise front
bed. Lks N/N SS 3/3 K 10Rs
Cof.

BACK
As front neckband using 50Ns.
Join shoulder seams. Overlap
back neckband with front
neckband & catch down.



A. Arrange Ns K/K as chart.
Lower front bed. With wrong
side of work facing you, pick up
side edges of back & front
panels onto BB Ns.
Break off 2 metres yarn before
commencing to knit.
Raise front bed.
K str as chart.

B. CoF as chart using the 2
metres spare yarn. K str as
chart.

C. K & dec as chart.
D. Lks N/N SS 3/3. K str as
chart. CoF.

Repeat A - D as above for
second side & sleeve.



RIBS
Arrange K/K
108[114:120:126:138:144:150]
Ns. Lower front bed. With
wrong side of work facing you,
pick up lower edge of front
onto BB Ns. Raise front bed.
N/N SS 3/3. Col 1 K 40Rs. CoF.
Repeat as above for Back.



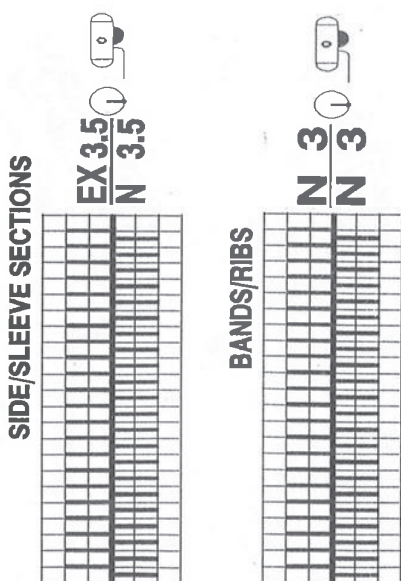
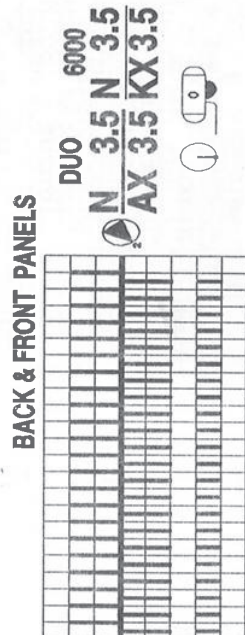
{CARDIGAN ONLY
Arrange Ns K/K to suit length
of fronts. Lower front bed.

With wrong side of work facing
you, pick up edge onto BB Ns.
Raise front bed. N/N SS 3/3
Col 1. K 10Rs CoF.

BUTTONHOLE BAND.
As for Lt front band, but
making 7 evenly spaced but-
tonholes at RC5. Remember
top place 1 buttonhole at the
neckband, and 1 at the lower
end of the rib.}

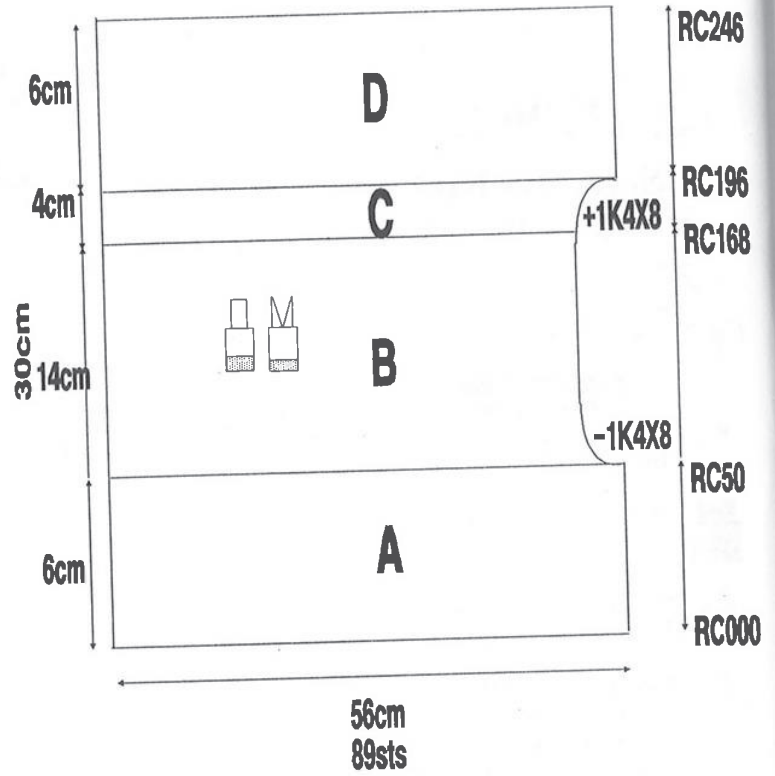
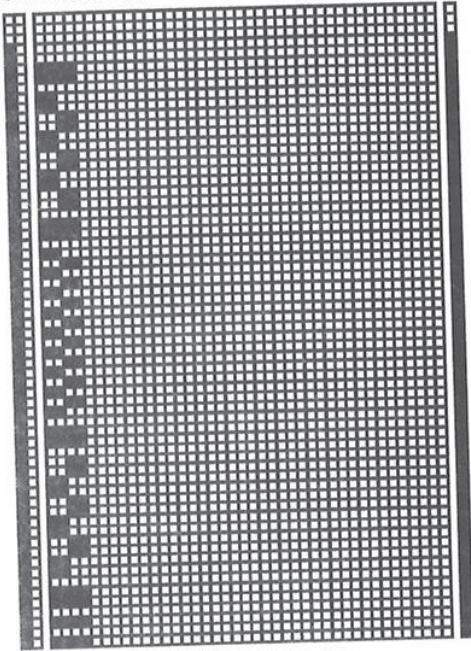


Join underarm seams. There
only remains a VERY LIGHT
steaming to finish the garment.
Sew buttons to cardigan.

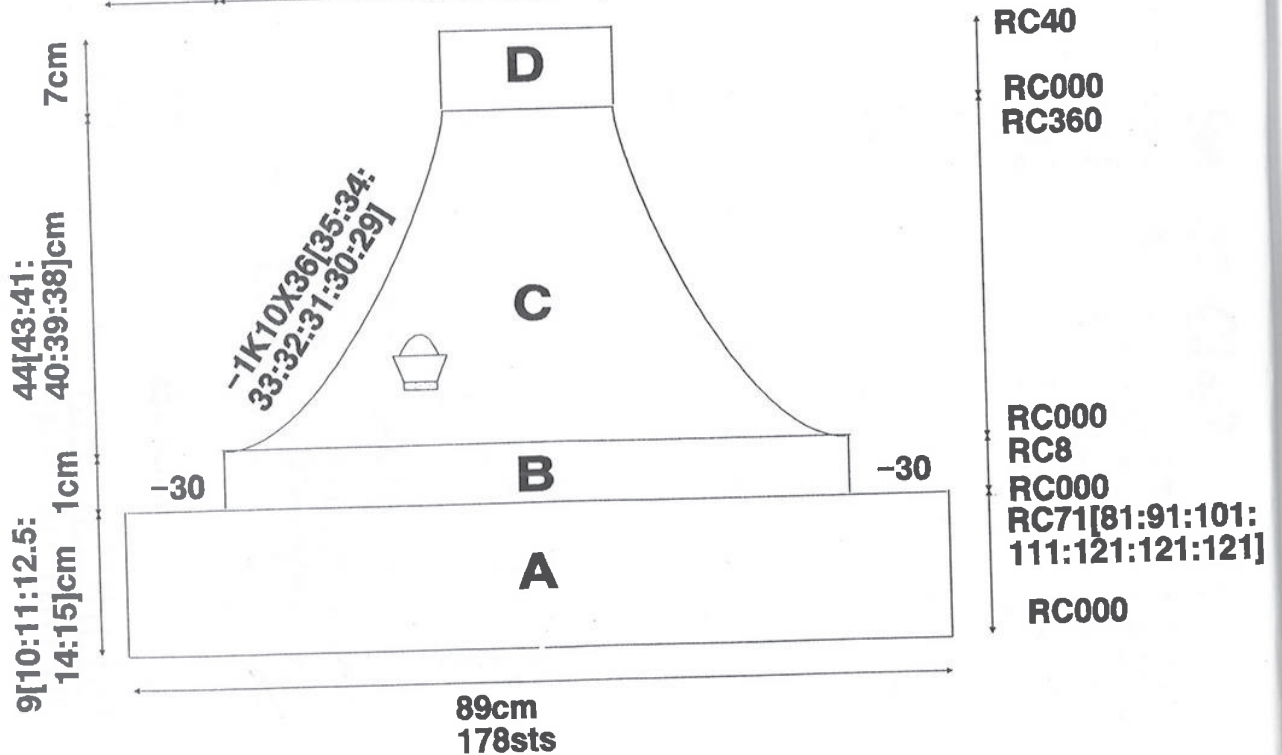


6000 & Duomatic Card

Duomatic, punch design 10 times over Deco card width, omitting last 4 rows shown at top of card below and side columns.



23[24:25:26:
27:28:29:30]cm
18[17.5:17:16.5:16:
15.5:15:14.5]cm
15cm 46[48:50:52:
54:56:58:60]sts



246

196

168

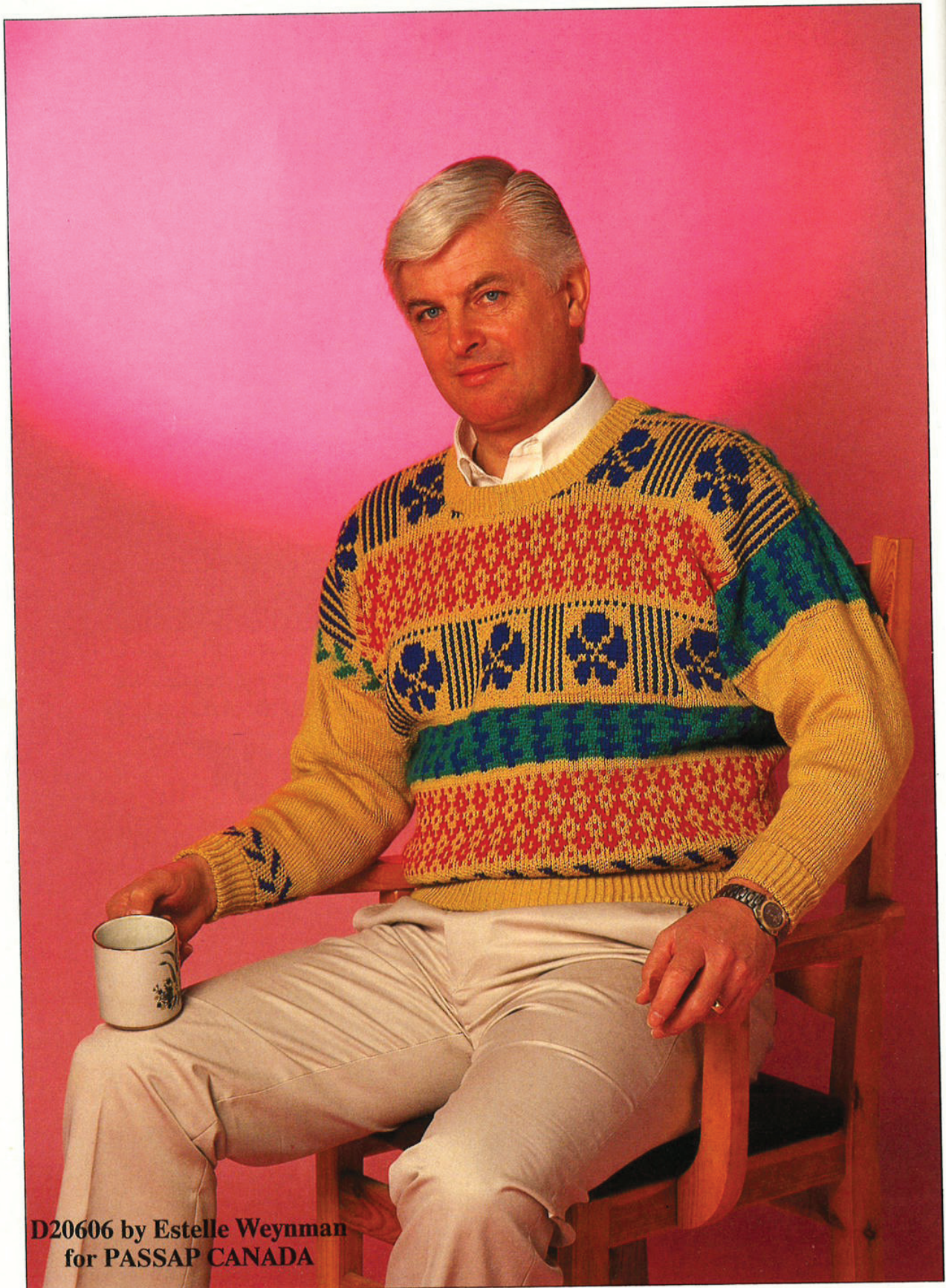
350

000

101:
121]



D20607
by EILEEN METCALF



D20606 by Estelle Weynman
for PASSAP CANADA



6000 ONLY

Estelle Weynman, for Passap
Canada. © Husqvarna White,
Canada.



84[97:102]cm Chest/Bust.



94{107:112}cm Chest Bust.
Length 59cm all sizes.



SCHAFFHAUSER Wolle
Soirée Mustard 8 X 50g = Col
1, **PATONS** Kroy 3 ply Blue 3
X 50g = Col 2, **PATONS** Kroy
3 ply Red 1 X 50g = Col 3,
FILATURA DI CROSA Kinair
Green 2 X 20g (used double)
= Col 4.

YARN SUBSTITUTIONS

Cols 1, 2, 3:- **Bramwell**
Roseknit 4 ply Machine wash-
able Pure New Wool. Col 4:-
Nina Miklin Milan Super Kid
Mohair, OR, **Celandine** Dawn
Super Kid Mohair. See notes
on yarn substitution page 4.



40sts = 160mm, 40Rs = 64mm
measured over jacquard. 40Rs
rib = 80mm. 40sts StS =
147mm, 40Rs = 115mm.



Cast on 1.
BACK & FRONT
St Patt A : 1129 Tech 183.
St Patt B : 1267 Tech 183.
St Patt C : 1245 Tech 183.
St Patt D : 1172 Tech 187.1*.
St Patt E : 1267 Tech 183.
St Patt F : 1172 Tech 187.1*.
St Patt G : 1129 Tech 180.
SLEEVE 1

Cast on 1.
St Patt A : 100 (StS)
St Patt B : 1245 Tech 183.
SLEEVE 2
Cast on 1.
St Patt A : 1129 Tech 180

St Patt B : 100 (StS).
St Patt C : 1129 Tech 180.



Page 4.



540g Size 102cm.



Note the mixtures of techni-
ques used, & the mixture of
single & double bed work
within the same garment parts.
On Back & Front, each pattern
is separated from the next by
knitting 4Rs of Col 1 with both
lks set to N/N. All ribs are k
double length and folded in
half to inside.

DUOMATIC KNITTERS may
knit this garment by substitut-
ing suitable Deco cards for the
jacquard designs. Use N/< BX
for jacquard sections, Deco4.



A. CoCiR 1X1 Col 1, Cast on 1.
K as chart.

B. Trans to K/K picking up purl
loops to opp Ns. St Patt A. Col
1 & Col 2. K as chart. K 4Rs
N/N Col 1 only.

C. St Patt B, Col 1 & Col 3. K
as chart. K 4Rs N/N Col 1 only.

D. St Patt C, Col 2 & Col 4. K
as chart. K 4Rs N/N Col 1 only.

E. St Patt D, Col 1 & Col 2. K
as chart. K 4Rs N/N Col 1 only.

F. St Patt E, Col 1 & Col 3. K as
chart. K 4Rs N/N Col 1 only.

G. St Patt F, Col 1 & Col 2. K as
chart. K 4Rs N/N Col 1 only.

H. St Patt G, Col 1 & Col 4, K
as chart.

I. Shape neck as chart, working
on Rt side first. CoF. Rep at Lt
reversing shapings.



K as Back A to F.
G. St Patt F Col 1 & Col 2. K &
shape neck as chart, working
on Rt side first. K 4Rs N/N Col
1 only.

H. St Patt G Col 1 & Col 4. Cont
shaping & K as chart. CoF. Rep
for Lt side from G, reversing
shapings.



SLEEVE 1

A. CoCir 1X1 Col 1 Cast on 1.
K as chart.

B. Trans sts to FB. St Patt A
(100), Col 1. K & inc as chart.

C. St Patt B, Col 2 & Col 4.
Push up BB Ns to correspond
with FB Ns. K as chart. CoF.

SLEEVE 2

A. As Sleeve 1 A.

B. St Patt A (Sleeve 2) Col 1 &
Col 2. K & inc as chart.

C. Trans all sts to FB. St Patt B
(StS). K & inc as chart.

D. St Patt C, Col 1 & Col 4.
Push up BB Ns to correspond
with FB Ns. K & inc as chart.
CoF.



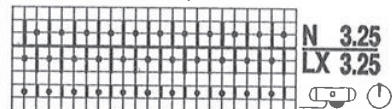
Join Lt shoulder seam. Lower
FB. With wrong side of work
facing you, hang neck edge sts
onto BB Ns. Raise FB.

Col 1. Lks N/N, orange strip-
pers. SS 3.25/3.25. K 40Rs.
CoF.



Block & steam all parts to size.
Join second shoulder seam &
neckband seam. Fold band in
half to inside & catch down.
Set in sleeves. Join side and
sleeve seams. Fold ribs in half
to inside and catch down,
forming double welts.

CAST ON/RIB



FB PUSHERS 6000 ONLY

TECH 100

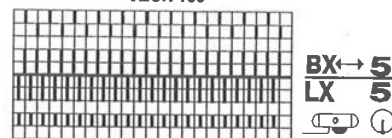


PUSHERS 6000 ONLY

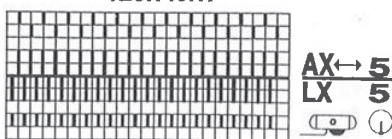
TECH 183

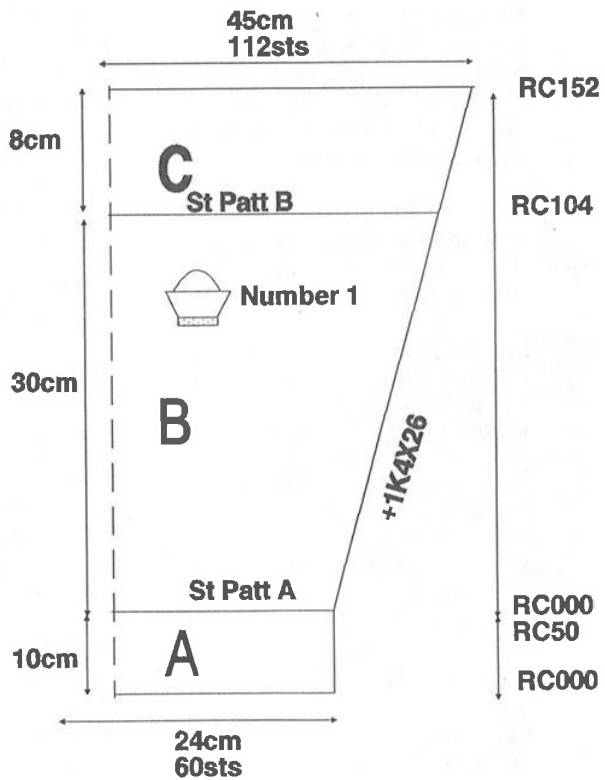
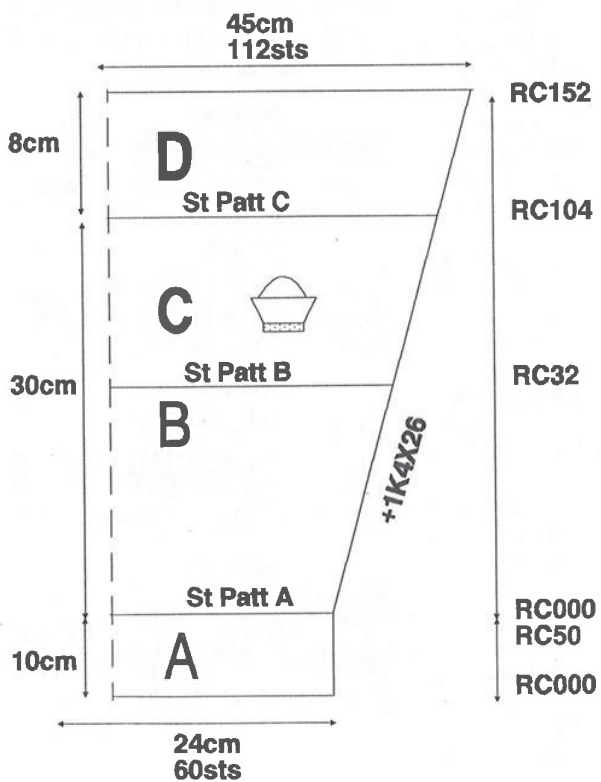
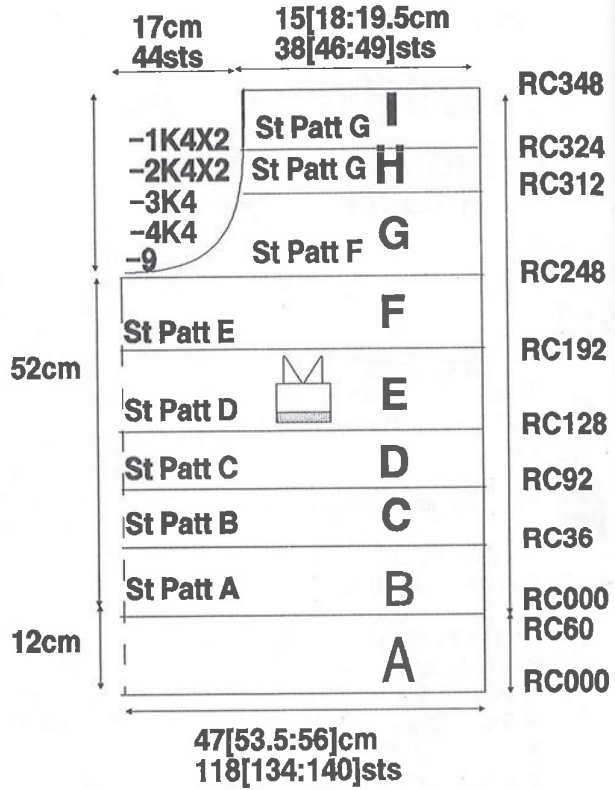
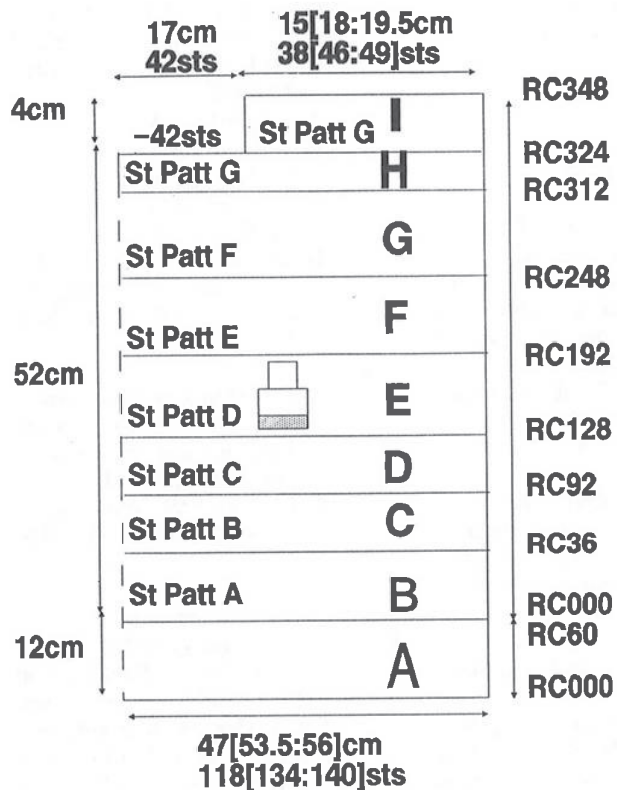


TECH 180



TECH 187.1





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THE U70, U80, & U100(E) TRANSFER LOCKS

by

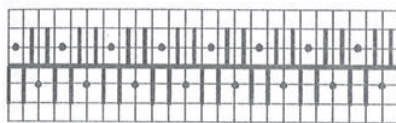
Pat Coulston

In Duet Number 3, we looked at the transfer locks in detail. It was seen how important it is to give the lock a light oiling before using for the first time. Also, it needs this treatment if it has not been used for a long time, and of course, regularly when in constant use. We studied in detail the "racking position" and the transferring of a 1 X 1 rib to both beds.

Now we progress to other things.

2 X 2 (INDUSTRIAL) RIB TO STOCKING STITCH

The needle set up looks like this:-



If you try to transfer this rib in the normal way, with the U100(E) lever on number 4, you are likely to get problems, in that some of the stitches may not transfer properly. To avoid these problems, try the method given below, transferring in two stages.

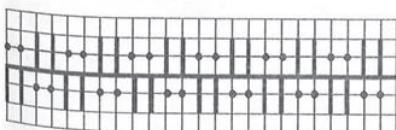
Knit the final row left to right, at one whole stitch size number higher on both locks.

Hang a claw weight at each end of the work.

Bring all the empty needles on the front bed to working position, plus a couple more at both ends.

Bring a pusher into working position beneath the FIRST needle of every pair of needles on the back bed..

Rack to transfer position, (and move the edge springs out of the way).



Set the lever on the transfer lock to number 1, and take the U100(E) across the beds from left to right.

All the stitches that had a pusher beneath the needles have transferred to the opposite bed.

U100(E) lever to number 4, and take the lock from left to right again. The remainder of the stitches transfer. Check that all stitches landed correctly.

TRANSFERRING FROM THE FRONT BED TO THE BACK BED

After a little practice, this method is quick and works every time.

To transfer stitches from the front to the back bed, the procedure is reversed.

TRANSFERRING TRUE 2 X 2 RIB TO ONE BED

The needle set up looks like this for this rib:-

Knit the final row at one whole stitch size number higher on both locks.

Hang a claw weight at each end of the work.

Bring all the empty needles on the front bed to working position, plus a couple more at both ends.

Bring a pusher into working position beneath the FIRST needle of every pair of needles on the opposite bed.

Rack to transfer position, quarter turn anti-clockwise (and move the edge springs out of the way).

Set the lever on the transfer lock to number 1, and take the U100(E) across the beds.

All the stitches that had a pusher beneath the needles have transferred to the opposite bed.

U100(E) lever to number 4, and take the lock across again. The remainder of the stitches transfer. Check that all stitches landed correctly.

TRANSFERRING STITCHES FROM K/K (EVERY NEEDLE RIB) TO ONE BED

Knit the final row at one full number higher on both beds. Place claw weights at both ends of the knitting. Set the U100(E) lever to 4. Rack to transfer position and take the U100(E) from one side of the bed to the other.

TRANSFER FROM 1x1 RIB TO STOCKING STITCH

Knit the final row at one full number stitch size higher on both locks. Bring up to working position, all the needles on the bed required for stocking stitch, plus a few extra at each end. Racking handle to transfer position, and hang claw weights at each end of the work. Set the U100(E) lever to number 4 and transfer. Note that all the stitches have transferred to the opposite bed, and you are now ready to knit stocking stitch. Black strippers, increase stitch size, and continue to knit.

TRANSFERRING STITCHES FROM STOCKING STITCH FOR 1x1 RIB

Bring all needles on bed opposite work to working position. Racking handle to transfer position, and hang claw weights at each end of the work. U100(E) lever set to number 2. If all the stitches are on the back bed, place the U100(E) at the left, and vice versa.

Take the U100(E) across smoothly. (This transfer feels "rough" until you get used to it's action.

Note, you are now in 1X1 rib. Return empty needles to non-working position. Lower stitch size, racking hand-

le up, orange strippers, and continue to knit in rib.

GARTER STITCH

Whilst learning and practicing garter stitch, it is best to use some good natured 4 ply type acrylic yarn. Before you start to practice, make sure that you have at least several inches of knitting on the machine, and that the work is evenly weighted.

WE will start by casting on in stocking stitch, and knitting on the front bed. If you are going to start with a rib, you would complete the rib, and transfer all stitches to the front bed. Locks at right.

Black strippers and claw weights at each end of the work. Remove the edge springs.

CX/CX knit one row. Only the front bed needles have knitted.

Racking handle to transfer position, (and it can be left there throughout the knitting). Put all corresponding needles on the back bed to working position. U100(E) lever to number 3. Take U100(E) right to left, transferring all stitches to the back bed. As you slide the lock across, it's action feels a little uneven. This is normal, and you will become used to the action the more you practice.

Check that all the stitches landed correctly. Knit 1 row, and this time only the back bed needles have knitted. Check that there are no unknitted stitches at the edges of the work.

Take the U100(E) from left to right, check, and knit 1 row.

Repeat throughout knitting one row and transferring in this way.

WARNING - It does take a little practice to become used to this, so don't be discouraged!

This stitch pattern is interesting if perhaps used as a border, rather than as an all-over pattern, and is traditional on real Guernsey sweaters. You could also make it edge a border of a fair isle pattern.

LACE

This is very easy to do, and is great fun.

DUOMATIC knitters, choose a suitable lace pattern such as card 19 from the basic set, and set locks N/BX with the Deco set to 2.

6000 knitters, choose a lace pattern such as 1008, Tech 280.

Whilst learning, cast on and have several inches of knitting on the machine, before going into the lace pattern. Transfer all stitches to the back bed, but leave the empty needles and pushers in working position on the front bed, except for about four at each end. This way, the end stitches are always knitted plain, the edges of the fabric will be neater, and be easier to sew up.

DUOMATIC

Insert card into reader. Bring Deco to the right and attach to the lock.

6000

Enter in pattern 1008 and Technique 280. Set stitch size on back lock to that for stocking stitch with the yarn used. Front lock one number tighter.

Knit to the left and back to the right. Only selected needles on the front bed have knitted. Racking handle to transfer position, (and it stays there throughout). Remove edge springs. The console bleeps, and up comes the transfer lock symbol with the number 4. This is the U100(E) lever setting. Set U100(E) lever to 4 and transfer all front bed stitches to the back bed. (Note, when the transfer symbol appears, it is not flashing, therefore there is no need to confirm with ENT each time you complete a transfer). Knit two rows and transfer. Repeat throughout.

ALL MACHINES

When knitting a garment in lace, the 2X2 rib is attractive, then, when the rib is complete, transfer all the stitches to the back bed, and you are ready for patterning.

SHAPING IN LACE

Increasing, decreasing, and casting off are done in just the same way as you would for single bed work. Make these increases, decreases etc. always after transferring. Remember also to adjust the number of needles and pushers in working position on the front bed at the same time, thus keeping your neat edges.

To shape a neck

DUOMATIC - Remember the card row number where the shaping starts.
6000 - Remember the row number on the console where the shaping starts.

On the back bed, place the centre neck stitches onto a nylon cord. Place the left side stitches onto a separate nylon cord. Take all the needles and pushers on the front bed corresponding to the stitches removed, out of work.

Knit the right side first.

Second side of neck

Replace the stitches for the left side from the nylon cord onto their original back bed needles. Push up corresponding front bed needles and pushers.

DUOMATIC

Return card to noted row. Take Deco across from left to right and attach to lock. Continue knitting.

6000

With a RC number showing in the display, press button COR. Up comes the number of needles programmed for left and right. (These stay the same, unless you changed them to knit the first side of the neck). Next is shown the number row you are currently on flashes. Enter the row number that you noted. The display now shows RETURN and the number of rows that you want to go back. Press ENT. The display will ask you to WAIT as it sorts this out for you. It asks if you want St Patt A. If that is the one you were using, say ENT, and then follow the programme instructions.

YARNS

Many yarns are suitable for lace knitting 3 plys, 4 plys, 2/14's, 2/8's, industrial yarns knitted together. Whilst learning, try to avoid yarns with no "give", or elasticity in them, and those with a high proportion of nylon or polyamide. Shiny yarns work well.

THE U100(E) LEVER SETTINGS

Number 1

This is used when you need to transfer selected needles only, to empty needles on the back bed. e.g. the 2X2 rib described earlier. Only needles that have pushers will be transferred. In the instruction manual, there is a suggestion given for the Duo 80 that

has selected needles and pushers on both beds, and is knitted by altering the BX and arrow key settings.

6000 A similar pattern can be obtained by using Technique 285. Follow the needle set up very carefully. Watch especially when to change the back bed setting and release the arrow key. The first transfer is from front to back, on number 3. The second transfer follows immediately on number 1, and goes from back to front. Always keep a careful eye on the changes in back bed setting. This is quite different to the Duomatic instructions in the instruction manual. Apart from the above pattern, this setting is useful if you want to transfer selected stitches to the opposite bed.

Number 5

This, like number 1, needs to have a pusher beneath every needle that you require to transfer to the opposite bed. But this time, the stitch has to go to a needle that already contains a stitch. The instruction manual gives for the Duo 80, a pattern with a Deco card number, 29. This time, the HX setting is used with the Deco set to 2.

6000 users can use pattern 1146 and Technique 286 for a similar effect.

With these patterns, not all the stitches on the front bed will be transferred to the back bed, when taking the U100(E) across. This is quite correct and not a mistake! Numbers 1 and 5 are used for transferring only SELECTED stitches from one bed to the other.

For example, if you are knitting stocking stitch, and want to transfer to a 2X2 rib, place a pusher beneath each needle to be transferred. Put up to working position all the needles on the opposite bed. Racking handle to transfer position. Set the U100(E) lever to number 1, and take it across the beds. All the stitches whose needles had a pusher in working position have transferred to the opposite bed. Take down the pushers, and empty needles on both beds and continue to knit in rib.

RE-CAP

Numbers 1 and 5

Need pushers beneath selected needles to operate.

Number 1 transfers stitches to empty needles.

Number 5 transfers stitches only to needles that contain a stitch already.

Number 2

Transfers stocking stitch into a 1X1 rib.

Number 3

Is garter stitch.

Number 4

Used for lace, and will transfer all stitches from one bed, to the opposite bed needles, if those all contain stitches already.

Numbers 1 and 4 are used for 2X2 rib transfers.

SPECIAL NOTES

Transfer locks are not interchangeable for all of the machines. This is shown below.

6000

MACHINES

ONLY the U100E must be used on 6000 machines. DO NOT use the U100 or the U80 on the 6000.

This will certainly cause damage to both the machine and the transfer lock. This is because of the shape of the 6000 front bed pushers. The U100E has been specially adapted to take account of this and operates the round headed pushers of the 6000 smoothly with a special cam.

However, the U100E may be used on the Duomatic 80, Duomatic 5, and most other Duomatics, without any problems.

DUOMATIC MACHINES

The U100 and U80 may be used on all Duomatic machines, but NOT the 6000 electronics, see above.

The U70

(Which is a non-selective transfer lock without selection levers, and therefore does not operate pushers)

May be used on all machines.

TRANSFERRING A FULL BED OF NEEDLES

When using a full bed of needles, the transfer lock will not fit onto the right hand side of the bed - there is not enough room!

To get over this problem, it is necessary to remove the front and back locks from the machine entirely.

Either,

a, finish knitting with the locks at the left, or

b, if knitting must finish at the right, remove the yarn, set both locks to GX/GX and take them to the left and remove.

This leaves a clear space for the transfer lock to go onto the machine as usual. This is a little fiddly, but still much quicker than transferring the stitches by hand!

One last thing.

Please remember that "PRACTICE MAKES PERFECT", so keep practicing, and you will soon have the hang of the transfer lock.

Best wishes till next time, *Pat.*

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"CANADA CALLING"

Dear Fellow Knitters,

Here we are, already in 1991, and it's time again to keep you up to date with what has, and what is going to happen here in Canada. The beautiful land of the Maple Leaf.

I don't know about you, but the Fall of 1990 was a very busy one for Passap. I hardly spent any time at home!

The 1990 Creative Sewing & Knitting Festival held in Toronto, increased 35% in size over 1989, with 35,000 plus people attending over only 3 days. This Festival is a consumer show that gives the public a chance to learn

more about sewing, knitting, and the needlework industry. The daily Fashion Show was a great success. Two celebrities, Marlane Oliver, and Henry Shannon from CFRB, (radio station for Toronto), were wearing two

spectacular Passap sweaters designed by Cathie Hendra, (Marketing Manager for Husqvarna White), and Marj Empey from Marj's Knitting Machines. Marj knitted both sweaters on the Passap. Bravo Cathie and Marj! Our two celebrities loved them so much, they insisted on keeping them after the show!

In 1991, the Festival is going national, and the locations have been confirmed. Halifax in June, Vancouver and Calgary in September, and Toronto in November. Passap will be there of course.

I am very proud to see some Canadian designs in Duet this time. Would any other Canadian knitters like to see their designs in Duet International? You can! Please call me on (416) 759-4486, and I will be delighted to give you all the details.

Now I have some incredible news. George le Warré is coming back to Canada. George will be here for 5 days and is scheduled to visit 5 different locations in Ontario, visiting Passap dealers and giving special workshops, starting on May 1st 1991. For more information, please call me on (416) 759-4486.

Best wishes, and see you next time,

FAY BUTCHER

Agent for - PASSAP E6000, DUOMATICS, 4 COLS, DECO, FORM COMPUTER, TRICOFIT, U70/U100E, ELECTRA MOTORS 3000A+I+II, M75B+II

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6000 ELECTRONIC PATTERN MATCHING CHARTS

Robert Nichol

Not long after my wife and I received our Passap Electronic 6000, I became intrigued by the capabilities of the computer to manipulate stitch patterns. However, it became a bit of a chore to try to find patterns of the same size to overlay to make three and four colour designs. I conceived the idea of entering the width, height, and pattern number, to produce the charts you see here.

After you have chosen the first stitch pattern, check the size. Look for the size in the chart to see if there are any other patterns of the same size. Then go to those pages in your pattern book, to see if the patterns will work well with the first one. If you will be rotating the pattern by 90 degrees, be sure to exchange the width and height when looking for a match.

There is no guarantee that the patterns will "go" together in designing terms, as the charts work strictly by size only. However, there are some nice surprises that will work well together, even if you have to flip one of them upside down.

An example of this is 1116 on page 136 and 1120 on page 137. These go together very nicely, if one of them is flipped upside down.

I hope that these charts will be of use to all E6000 knitters, and that they will help you to create some new and beautiful knits.

In the charts these headings are used

W = width,

H = height,

P = pattern,

PP = page numbers where the design is shown in the stitch pattern book which came with your machine.

Robert Nichol.

	W	H	P	PP	W	H	P	PP
	1	4	1360	170	8	8	1245	161
	1	5	1361	170	8	8	1259	163
	2	1	1100	136	8	8	1260	163
	2	2	1000	132	8	8	1272	165
	2	4	1001	132	8	8	1289	167
	2	4	1002	132	8	8	1290	167
	2	6	1003	132	8	8	1293	167
	3	1	1101	136	8	8	1294	167
	3	1	1102	136	8	8	1296	168
	3	4	1063	136	8	8	1304	169
	3	12	1188	146	8	8	1306	169
	4	1	1103	136	8	9	1115	136
	4	1	1104	136	8	10	1256	162
	4	3	1073	136	8	12	1131	137
	4	4	1004	132	8	12	1180	145
	4	4	1033	134	8	12	1181	145
	4	4	1062	135	8	12	1182	145
	4	4	1065	136	8	12	1183	145
	4	6	1005	132	8	12	1184	145
	4	6	1064	136	8	12	1185	145
	5	4	1055	134	8	12	1186	145
	5	5	1257	162	8	12	1187	145
	5	6	1118	136	8	12	1189	146
	5	13	1114	136	8	12	1190	146
	6	4	1006	132	8	12	1191	146
	6	4	1054	134	8	12	1194	146
	6	4	1067	136	8	12	1195	146
	6	12	1206	147	8	12	1196	146
	6	13	1267	164	8	12	1197	146
	7	3	1057	135	8	12	1198	146
	7	5	1061	135	8	12	1200	146
	7	7	1126	137	8	12	1203	146
	7	8	1410	172	8	12	1205	146
	7	12	1209	147	8	12	1207	147
	7	12	1212	147	8	12	1208	147
	8	1	1105	136	8	12	1210	147
	8	1	1106	136	8	12	1211	147
	8	4	1066	136	8	12	1213	147
	8	6	1069	136	8	12	1214	147
	8	6	1070	136	8	12	1215	147
	8	6	1254	162	8	14	1292	167
	8	7	1116	136	8	16	1015	132
	8	8	1120	137	8	16	1127	137
	8	8	1007	132	8	18	1031	134
	8	8	1008	132	8	20	1140	138
	8	8	1009	132	8	32	1138	138
	8	8	1013	132	9	3	1060	135
	8	8	1034	134	9	12	1199	146
	8	8	1059	135	9	12	1204	146
	8	8	1121	137	9	16	1322	170
	8	8	1129	137	9	20	1162	144
	8	8	1132	137	9	20	1163	144
	8	8	1136	137	10	4	1128	137
	8	8	1139	138	10	6	1025	133
	8	8	1243	161	10	6	1124	137
	8	8	1244	161	10	7	1117	136

W	H	P	PP	W	H	P	PP	W	H	P	PP
10	7	1119	137	16	16	1273	165	24	18	1312	169
10	8	1072	136	16	16	1274	165	24	20	1268	165
10	9	1165	144	16	16	1281	166	24	24	1270	165
10	10	1010	132	16	16	1284	166	24	24	1278	166
10	10	1017	132	16	16	1288	167	24	24	1291	167
10	10	1020	133	16	16	1408	172	26	10	1313	169
10	10	1125	137	16	20	1271	165	26	10	1316	170
10	10	1130	137	16	22	1261	163	28	13	1262	163
10	10	1134	137	16	32	1258	163	28	28	1263	163
10	10	1275	165	17	6	1253	162	28	28	1287	167
10	10	1279	166	17	14	1172	145	30	30	1242	160
10	10	1280	166	17	26	1156	142	30	34	1264	164
10	10	1295	168	18	8	1252	162	30	43	1217	148
10	12	1122	137	18	12	1202	146	30	43	1218	148
10	12	1192	146	18	38	1282	166	30	43	1219	148
10	12	1193	146	19	12	1317	170	31	28	1169	144
10	12	1201	146	19	17	1160	143	31	33	1157	142
10	14	1014	132	19	17	1311	169	32	28	1405	172
10	15	1167	144	20	3	1019	133	32	28	1406	172
10	16	1133	137	20	8	1251	162	32	32	1071	136
10	17	1011	132	20	10	1016	132	32	32	1265	164
10	18	1012	132	20	16	1310	169	32	32	1266	164
10	18	1123	137	20	18	1021	133	34	14	1250	162
10	20	1135	137	20	20	1018	132	34	28	1269	165
10	20	1152	141	20	20	1142	138	34	34	1027	133
10	20	1362	170	20	20	1143	138	34	34	1032	134
10	20	1364	171	20	20	1146	139	36	12	1029	134
10	28	1022	133	20	20	1216	147	40	20	1158	142
10	40	1141	138	20	20	1228	155	40	20	1305	169
10	40	1363	171	20	20	1229	155	40	32	1155	142
11	6	1255	162	20	20	1232	156	40	34	1224	152
11	11	1164	144	20	20	1239	160	40	35	1246	161
12	4	1058	135	20	20	1283	166	40	35	1247	161
12	6	1277	166	20	20	1301	169	40	35	1248	162
12	12	1285	167	20	20	1302	169	40	37	1170	145
12	12	1286	167	20	20	1303	169	40	40	1144	139
12	15	1323	170	20	22	1149	140	40	40	1147	139
13	4	1056	135	20	22	1150	140	40	40	1148	140
13	16	1321	170	20	24	1023	133	40	40	1151	140
13	22	1171	145	20	24	1137	138	40	40	1153	141
14	9	1315	170	20	40	1241	160	40	40	1154	141
14	14	1145	139	20	40	1299	168	40	40	1161	143
14	24	1297	168	20	40	1300	168	40	40	1223	152
14	24	1298	168	21	38	1159	143	40	40	1230	156
15	12	1319	170	22	10	1314	169	40	40	1231	156
16	6	1409	172	22	20	1168	144	40	40	1236	159
16	8	1024	133	23	12	1166	144	40	40	1237	159
16	14	1318	170	24	10	1407	172	40	40	1238	160
16	15	1249	162	24	11	1276	166	40	60	1225	153
16	15	1320	170	24	12	1400	171	40	64	1220	149
16	16	1026	133	24	12	1401	171	40	64	1221	150
16	16	1028	134	24	12	1402	171	40	64	1222	151
16	16	1030	134	24	12	1403	171	40	64	1226	154
16	16	1240	160	24	12	1404	171	40	64	1227	155
								40	64	1234	157
								40	64	1235	158

To become used to using these charts, look up the patterns in the pattern book as grids on the pages noted. Try to visualize them superimposed over one another to see the ultimate effect.

You can of course superimpose 3 patterns on top of each other, for four colour work, or only 2, for 3 colour jacquard.



5, 80, 6000



Estelle Weynman for PASSAP Canada. © Husqvarna White Canada.



97[102:107]cm Chest/Bust.



104[114:125]cm Chest/Bust.
Length 60cm (adjustable).



COTOLINO 68% cotton 32% acrylic 5 X 50g = Col 1, 4 X 50g White = Col 2, HJERTÉ Tema 100% mercerized cotton 1 X 50g Brick = Col 3, ALMONDE SETA Charmant 13% silk 87% acrylic White 1 X 50g = Col 4.
YARN SUBSTITUTIONS:-
Col 1 & Col 2 KING COLE "Cool Cotton", Col 3 ROWAN Cabled Mercerised cotton, Col 4 CELANDINE "Sienna" 2 ends together. **NOTE**, if substituting yarns, The tensions & sizes may be changed.



40sts = 192mm 40Rs = 84mm measured over tuck patt.
40sts = 168mm 40Rs = 128mm measured over stst.
40Rs rib = 107mm.



St Patt A 2 Col tuck patt 1019 Tech 131 or from card given DUO. Stocking stitch St Patt B 100.



Page 4.



450g Size 102cm.



The addition of comb & weights will help with the ribs and blue strippers. Note colour sequences.



A. CoCir 1X1 Cast on 1. Col 1. K as chart & Col sequence.
B. Trans all sts to FB. Set for st patt A. Lks as Diag 2.
C. CoF centre sts as chart.
*Cont K in patt at Rt side only.
CoF*. Rep from * to * at Lt.



A. As Back A.
B. As Back B & cart.
C. Trans Lt half os sts to BB. K on Rt side in patt. Dec as chart. Trans Lt side sts to FB. K as Rt side, reversing shapings.



SLEEVE 1
A. As Back A foll Col sequence, K as chart.
B. Trans all sts to FB. Set for St Patt B. K & inc in Col sequence as chart.
SLEEVE 2
A. As sleeve 1 & chart.
B. As sleeve 1 & chart.
C. Set for st patt A. K & inc as chart & Col sequence.
D. St Patt B, stocking st. K as chart. CoF.

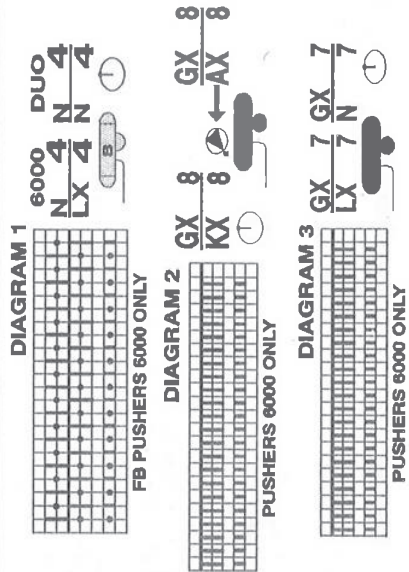
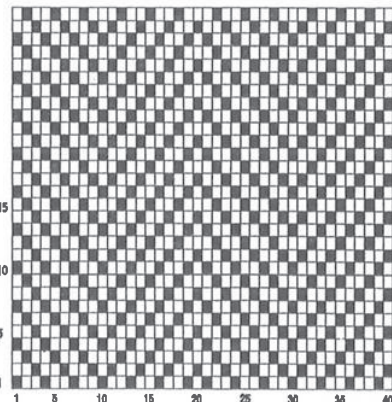


Join one shoulder seam. Hold neck edge from point of V to open shoulder against bed to assess Ns. CoCir 1X1 Col 1 over assessed Ns. K 16Rs. Lower FB with wrong side of work facing you, hang neck edge sts from point of V to shoulder onto Ns. CoF. Rep with Col 2 for second side of band, using Col 2.



Block & steam all parts to size. Join second shoulder seam. Overlap neckbands at V point. Sew in sleeves. Join side & sleeve seams.

DECO CARD



COLOUR SEQUENCES

RIBS

Back & Front

- Col 1 - 12Rs
- Col 3 - 4Rs
- Col 1 - 4Rs
- Col 3 - 4Rs
- Col 1 - 8Rs

Sleeve 1

- Col 1 - 14Rs
- Col 3 - 2Rs
- Col 1 - 2Rs
- Col 3 - 2Rs
- Col 1 - 2Rs
- Col 3 - 2Rs
- Col 1 - 4Rs

Sleeve 2

As order for sleeve 1, but Col 2 in place of Col 3.

PATTERN

Back & Front

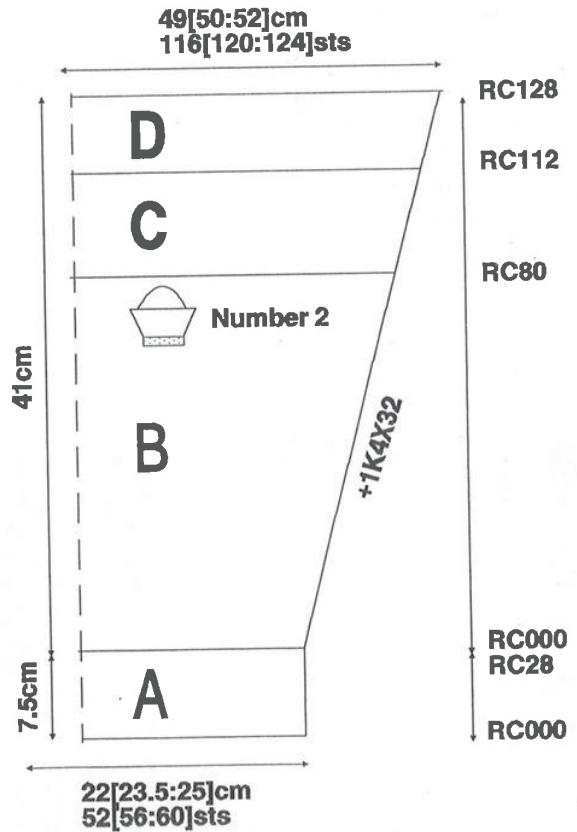
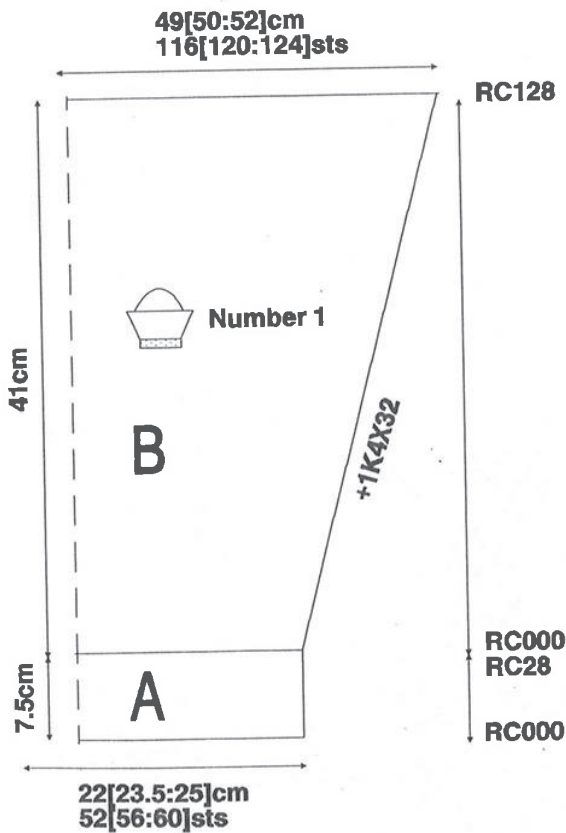
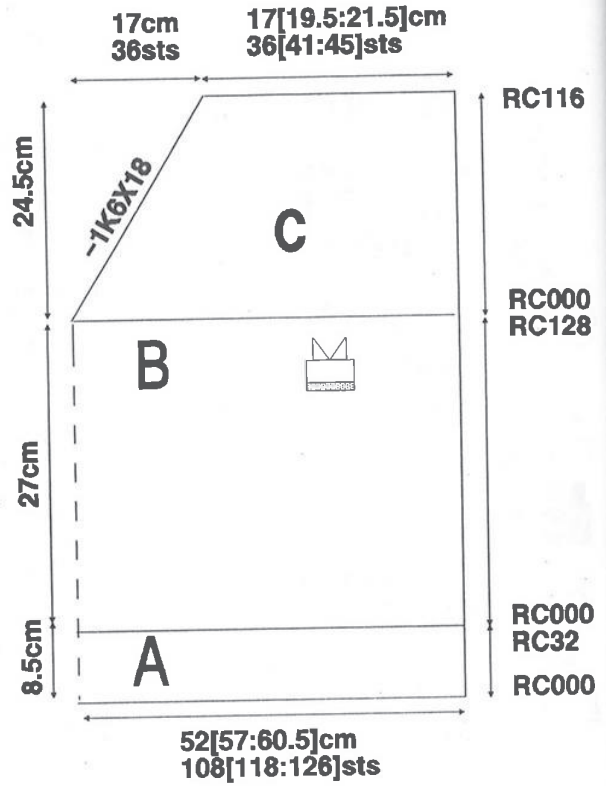
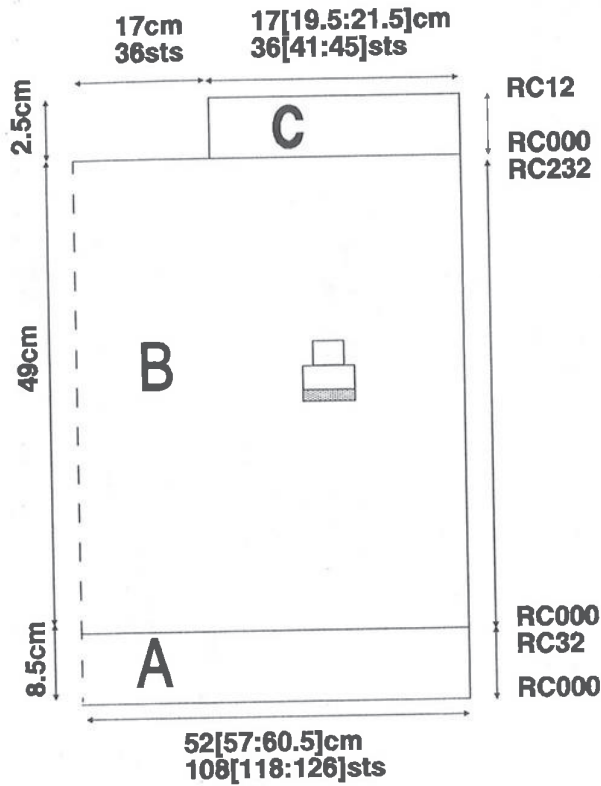
2rs Col 1, 2Rs Col 2 throughout.

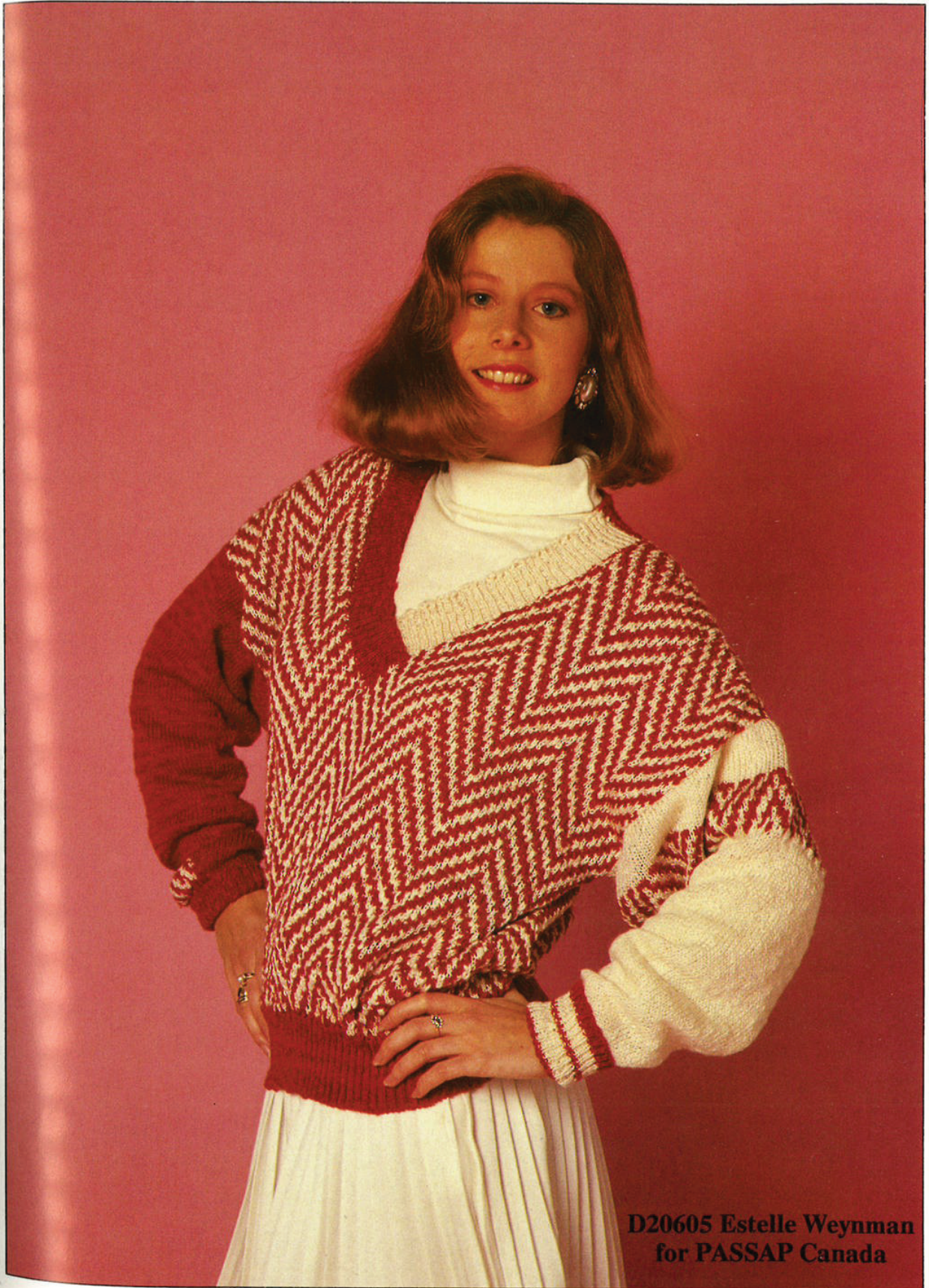
Sleeve 1

2Rs Col 1, 2Rs Col 3 throughout.

Sleeve 2

- B. 2Rs Col 2, 2Rs Col 4.
- C. 2Rs Col 1, 2Rs Col 2.
- D. 2Rs Col 2, 2Rs Col 4.





D20605 Estelle Weynman
for PASSAP Canada

D20603 Mona Early
for PASSAP U.S.A.



D20611 by Wilma Roberts
for PASSAP Canada



5, 80, 6000



Mona Early for Passap U.S.A.
© Passap U.S.A.



Approx 165cm Long, and
109cm Wide.



1000g any 2/12's acrylic yarn
= Col 1, or 2 ends any 2/24's
acrylic yarn together.
You may also substitute a
2/24's merino, (botany), or
lambswool, but not that this
will change the tension swatch
and the overall sizing.



40sts = 244mm, 40Rs =
51mm, measured before
steaming.



Double bed tuck patterns ac-
cording to cards & instructions
given. **DUOMATIC** double
bed tuck patterns according to
pusher setting charts & in-
structions given.



Page 4.



750g.



Although the design looks
complex, this is an easy article
to knit, being just one single
rectangle. *Newer 6000 users will be-
come familiar with the programming
sequence. The afghan requires 13 stitch
patterns, and we recommend that all
other stitch patterns are removed from
memory before starting to programme,
by pressing ENT at Erase. 6000 users
may also knit this by setting the back
bed pushers as for Duo, and having the
front lock on N. No console. All
Duomatic owners will become more*

familiar with setting up a pattern by
means of pushers without the use of
Deco.

6000 Programming

PROG - ENT
ERASE - ENT
CAST ON - 3 - ENT
ALL ST. PATT - NO
ST. PATT A - ● ENT (Reader)
Card 1, Design 1, Line 1
ALTER - NO
KNIT TECH 138 - ENT
ST. PATT B - ● ENT (Reader)
Card 1, Design 1, Line 1
ALTER - ENT
DIRECT - NO
ADD - ENT
ADD WHAT - ● ENT (Reader)
Card 1, Design 2B, Line 11
ALTER - NO
3 COL - NO
DIST. R 0 - NO
DIST. R - ENT
DIST. ST 0 - ENT
ADD - ENT
ADD WHAT ● - ENT (Reader)
Card 1, Design 3B, Line 21
ALTER - NO
3 COL - NO
DIST. R 0 - NO
DIST. R - ENT
DIST. ST 0 - ENT
ADD - ENT
ADD WHAT ● - ENT (Reader)
Card 1, Design 4B, Line 31
ALTER - NO
3 COL - NO
DIST. R 0 - NO
DIST. R - ENT
DIST. ST 0 - ENT
ADD - ENT
ADD WHAT ● - ENT (Reader)
Card 1, Design 5B, Line 41
ALTER - NO
3 COL - NO
DIST. R 0 - NO
DIST. R - ENT
DIST. ST 0 - ENT
ADD - ENT
ADD WHAT ● - ENT (Reader)
Card 1, Design 6B, Line 51
ALTER - NO
3 COL - NO
DIST. R 0 - NO
DIST. R - ENT
DIST. ST 0 - ENT
ADD - ENT
ADD WHAT ● - ENT (Reader)
Card 3, Design 7, Line 1
ALTER - NO
3 COL - NO
DIST. R 0 - NO
DIST. R - ENT
DIST. ST 0 - ENT
ADD - ENT
ADD WHAT ● - ENT (Reader)
Card 1, Design 1, Line 1
ALTER - NO
3 COL - NO
DIST. R 0 - NO
DIST. R - ENT
DIST. ST 0 - ENT
ADD - NO
KNIT TECH - 138 - ENT
ENLARGE POSITION - NO
ALL ST. PATT - NO

You have now completed programming ST
PATT A, which is the plain border at the
beginning of the afghan, and ST PATT B, the
first group of patterns above the border. To
continue programming in ST PATTS C to M,
see the diagram which shows how the St Patts
appear on the article. For patterns C, E, G, I,
K, and M, programme as for St Patt A. For St
Patts D, F, H, J, and L, use the programming
for St Patt B, but be sure to change the order
of the designs as shown in the diagram, so
that the block patterns will alternate.
If the 6000 card was copied exactly as shown,
the designs on the card are as follows:-

DESIGN 1 CARD 1 LINE 1
DESIGN 2B CARD 1 LINE 11
DESIGN 3B CARD 1 LINE 21
DESIGN 4B CARD 1 LINE 31
DESIGN 5B CARD 1 LINE 41
DESIGN 6B CARD 1 LINE 51
DESIGN 7B CARD 2 LINE 1
DESIGN 2 CARD 2 LINE 11
DESIGN 3 CARD 2 LINE 21
DESIGN 4 CARD 2 LINE 31
DESIGN 5 CARD 2 LINE 41
DESIGN 6 CARD 2 LINE 51
DESIGN 7 CARD 3 LINE 1

The B indicates that the border design be-
tween each block is included on the right side.
After ST PATT M is programmed, when the
display reads ALL ST. PATT press ENT.
Finish programming as foll:-
FORM - NO
L. ND -90 89- ENT
R. ND +90 89 ENT
Programming is now complete.

DUOMATIC

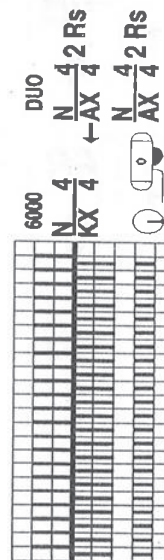
Set pushers as diags and follow chart
changing patterns where indicated.

ALL MACHINES

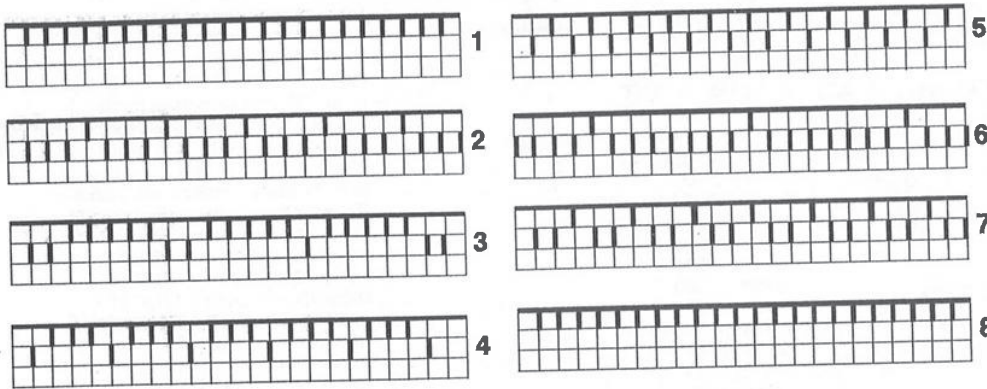
A. CoCir K/K Col 1. K as chart.
Locks N/N SS 5/5 K 1R. Make
latch tool CoF using sts on Ns
without additional yarn.



Gently steam afghan. DO
NOT PRESS.



DUOMATIC ST PATT PUSHER SETTINGS
YOU MAY ALSO SUBSTITUTE ANY OTHER SETTINGS FROM PATTERN BOOKS
ALL ARE FRONT BED PUSHER SETTINGS

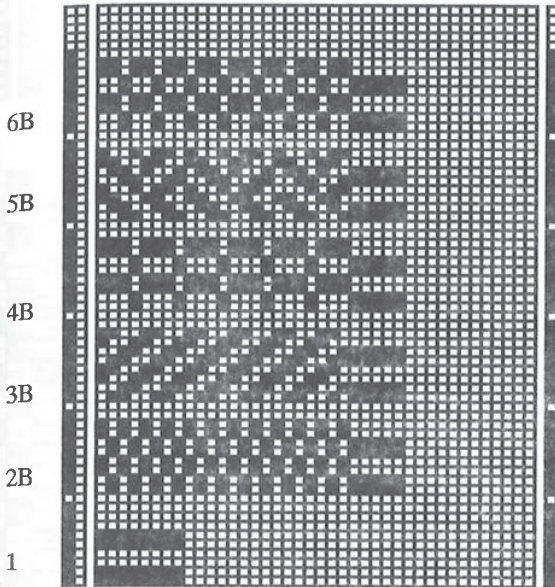


Patterns 2, 3, 4, 5, 6, 7 are all 23
pushers wide.
Patterns 1 and 8 are 11 and 10
pushers wide at
Left & Right edges respectively.
5 pushers in WP between
each set of 23.

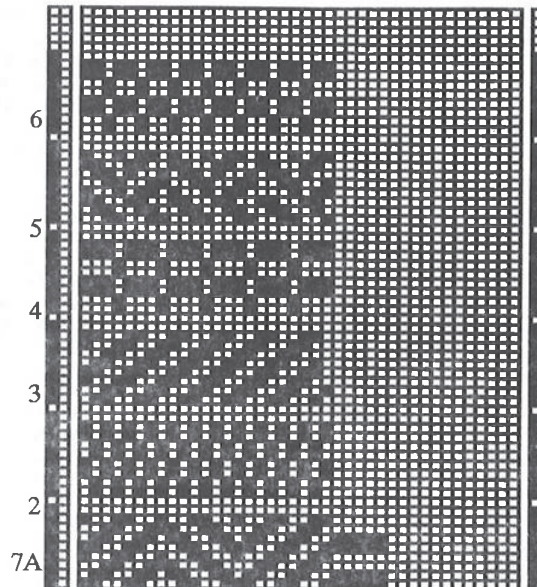
PATTERN FIGURES IN ITALICS REFER TO 6000 MACHINES

M	1	BORDER							RC1290
L	1	3B	4B	5B	6B	7B	2	1	RC1250
		3	4	5	6	7	2	8	
K	1	BORDER							RC1082
		BORDER							RC1042
J	1	5B	6B	7B	2B	3B	4	1	RC874
		5	6	7	2	3	4	8	
I	1	BORDER							RC834
		BORDER							
H	1	7B	2B	3B	4B	5B	6	1	RC666
		7	2	3	4	5	6	8	
G	1	BORDER							RC626
		BORDER							
F	1	4B	5B	6B	7B	2B	3	1	RC458
		4	5	6	7	2	3	8	
E	1	BORDER							RC418
		BORDER							
D	1	6B	7B	2B	3B	4B	5	1	RC250
		6	7	2	3	4	5	8	
C	1	BORDER							RC210
		BORDER							
B	1	2B	3B	4B	5B	6B	7	1	RC42
		2	3	4	5	6	7	8	
A	1	BORDER							RC2 after cast on

CARD 1



CARD 2



CARD 3



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Wilma Roberts for PASSAP
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White + Col 1.

YARN SUBSTITUTE

BRAMWELL DuoMagic
100% acrylic, 270 metres/100g
1 X 500g cone White = Col 1.



40sts = 215mm 40Rs = 46mm
measured over tuck pattern.



Double bed tuck stitch pattern
from cards given. *Tech 140.*
ALL MACHINES Manual
cast on:- 1R N/N SS3/3. 2Rs
CX/CX SS4/4. 1R N/N SS4/4.
Cast on complete.



Page 4.



325g.



The stitch patterns for the
6000 and the Duomatic are
slightly different. 6000 pattern
shown in photograph.
*6000 knitters, CoN over N83 at
Lt to N85 at Rt. K str in patt as
shown.*

DUOMATIC knitters:-
CoN from N87 at LT to N86 at
Rt only. This will ensure bor-
der is knitted correctly at both
sides.

6000 PROGRAMMING

PROGRAM - ENT
ERASE - ENT
CAST ON - 3 - ENT
ALL ST PATT - NO
ST PATT A - • ENT

(READ IN CARD LINES 7 - 11)
ALTER - NO
KNIT TECH - 140
ENLARGE POSITION - NO
TEST - NO
ALL ST PATT - NO
ST PATT B - • - ENT
(READ IN CARD LINES 1 - 5)
ALTER - NO
KNIT TECH - 140
ENLARGE POSITION - ENT
CM? - NO
↔ ST 20 - NO
1X - 2 ENT
↔ ST 40 - ENT
ALL ST PATT - NO
ST PATT C - • - ENT
(READ IN CARD LINES 7 - 11)
ALTER - NO
KNIT TECH - 140
ENLARGE POSITION - NO
ALL ST PATT - ENT
FORM - NO
L ND -90 83 - ENT
R ND +90 85 ENT

ALL MACHINES

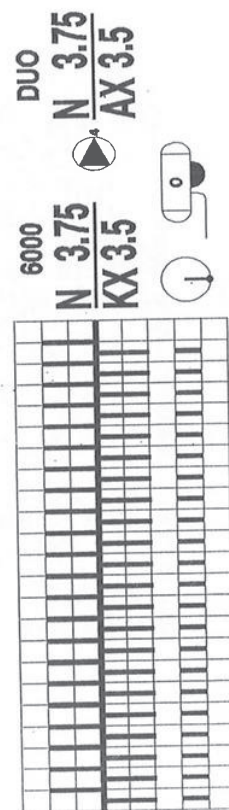
A. CoCir Col 1 K/K over Ns
noted & according to method
in NOTES.

Set for St Patt A. K as chart.

B. Set for St Patt B. K as chart.

C. Set for St Patt C. K as chart.
CoF using latch tool, working
in zig-zag from bed to bed.

Diag 1
For St Patt A, B & C



Exclusive Italian Designer
Yarns
on cones

Nina A. Miklin

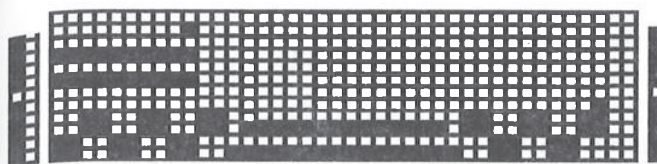
1 to 4 ply equivalent
IDEAL FOR PASSAP/PFAFF MACHINES

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Angora, Cotton, Ciufetto

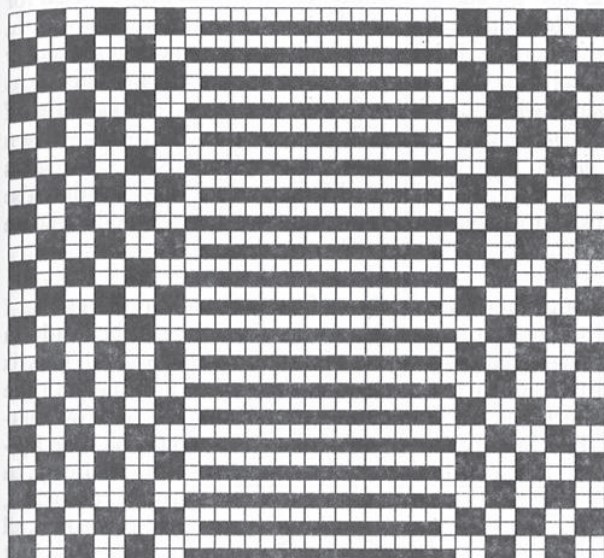
For shade cards, pattern details, knitting tips,
send large S.A.E. and £3.00 to:-

Nina A. Miklin, 104 Biddulph Mansion, Elgin Avenue,
London W9 1HU, England.

Tel: 071 286 1532



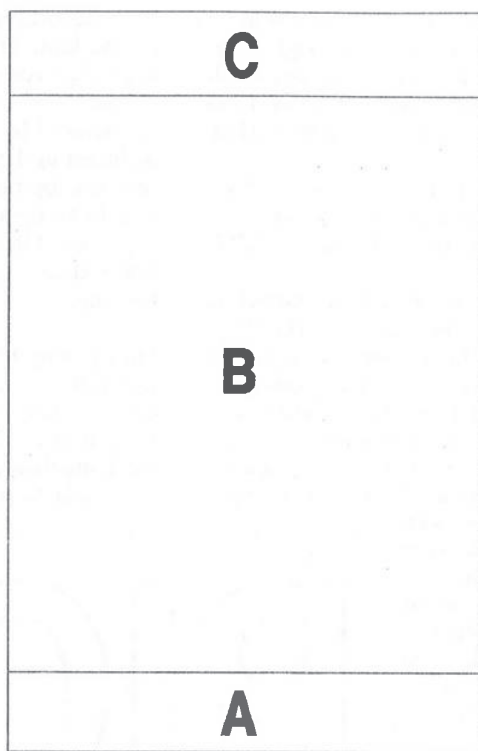
6000 CARD



DECO CARD 1
ST PATT B



DECO CARD 2
Repeat design 9 times
vertically on card
ST PATT A & C



RC68
RC000
RC700
RC000
RC68
RC000

DUOMATIC 173sts
6000 168sts

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THE NEW INTARSIA LOCK

George le Warré

Last year, at Passap University in Los Angeles, I was lucky enough to see the what was then prototype, for the new Passap System Intarsia Lock, and was most impressed with what I saw.

Here we are, almost a year later, and the product is now perfected and on the market, under the name PICTO.

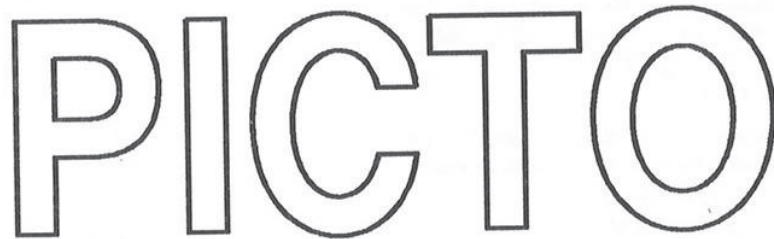
You are probably as confused as I was at first by the name PICTO. There seemed to be no connection with the technique of intarsia and this name, and it wasn't until I asked the reason, that it fell nicely into place. Pictorial knitting - Picto. Logical when you stop to think about it. Wanting to know where the name came from is irrelevant really. The important thing is, does it work well? And the answer to this is, yes, like a dream. The whole thing is so well thought out and easy to operate, that it would be difficult not to be able to use it.

Now I do know that intarsia is not everyone's cup of tea, and that some knitters absolutely hate the idea of a picture of a farmyard all over a sweater, and is the last thing that they would want. But the Picto has more than one application, and is not limited to knitting just pictures. More of this later.

The Picto fits all models of Duomatic machines, as well as the 6000 electronic, so is a universal accessory not depending on model, or how old your machine is. The recommended retail price in the U.K. is £59.50, which makes it one of the least expensive intarsia carriages on the market here. It also has one very important attribute. It knits without weights, or any other "pull down" device. So there

is no distortion of the knitted fabric as you knit. There is also a built in three digit row counter to keep track of where you are in the knitting. This is operated by a special cam that is included in the package, which clips onto the top rail of the back bed. The Picto operates on the back bed of the machine, and the front bed is lowered, and remains so throughout knitting.

On opening the box, the first thing that you see are the front bed striking comb covers, and I must say that I was really impressed with the thought that went into these, for a start. They come as five plastic pieces that clip over the



front bed upper section, to stop the yarn getting tangled in the needles or striking comb. But in addition, they are numbered 1 to 5, and also have a needle scale marking from 90 at the left to 90 at the right. This makes selection of needles on the back bed very quick and easy throughout the knitting. There is no need to sit and count needles, just follow the scale.

The Picto lock itself, has a snap on mechanism that clips it securely to the rails of the back bed. The stitch size dial corresponds exactly to that on the main locks, so that if you knit part of the garment in stocking stitch on the back bed using the main locks, and then part using the Picto, these will both be at the same tension. A big advantage.

It also operates over the whole width of the needle bed, so large garments are as easy as small ones.

The yarns that may be used are as varied as those that may be used for stocking stitch in the normal way. In fact, I found that some slightly thicker yarns than normal are a possibility as well, and of course, mixing yarns of different textures and twists within a row, are simplicity itself. Even yarns of different thicknesses within the same row, and this can produce some really stunning effects.

One of the clever little things that I found very useful, is the built in needle return mechanism. This is used at the end of knitting with the Picto normally, on the last row knitting from left to right. The little button is held in upper position, and as you knit, all the needles knit the yarn, and are then returned from the upper working position, down to the normal working position in the same operation - magic.

As I said earlier, you are not limited to making just multicolour patterns, or to using yarns of differing thicknesses, all in a stocking stitch formation.

With the Picto, it is possible to knit more than one piece of knitting at the same time.

For instance, how about knitting both sleeves for a child's sweater at the same time, one on each side of the back bed? Easy, knit two ribs, hang each one in the centre of each half of the needles bed, and using a separate end of yarn for each sleeve, knit both together at the same time!

All in all, a very good accessory, and one that I am sure is going to prove so useful to many knitters who have been wanting to knit true stocking stitch based intarsia on Passap System machines for many years.

KNIT SOMETHING SIMPLE

with

IRENE KRIEGER

Now that the Christmas season is safely behind us, most of us are turning our attentions to the next important matter at hand - our summer holiday.

I am sure I am not the only one who has been forced to concede that just cutting down on food intake is not going to shift the extra Christmas pounds. More drastic measures are needed. It cannot be just co-incidence that the slimming product manufacturers start their campaigns at the same time as the holiday brochures come out. As I write this, I find myself at that all too familiar stage of my diet, day six and all I have lost is two ounces and my sense of humour.

As you can tell, diet and exercise are very much in my mind at the moment and I have worked on that theme for this issue's Knit Something Simple. My exercise class, like many others is held in a church hall, hardly "Health Club to the Stars" but it serves the purpose. The worst thing about it is that it is freezing cold. Many of you will have little ballerinas in the family who suffer in the same way every Saturday morning, so I have designed a ballet style crossover cardigan. It is quick to knit and could easily be made up in the morning and worn that afternoon.

Being a crossover style, it can accommodate the (hopefully) changing the shape of the body inside it. You just wrap it further around and tie it up tighter as you loose bulk. Mine is snug now but in a few months I hope to be trussed up in it like an oven ready chicken. There is a slot at each side for the tie to be threaded through so the fronts can sit flat. As you can see from the diagrams, the actual size of the garment is only slightly more than that of the body it is to cover. This is normal with this type of gar-

ment. They are meant to be a close fit.

I have made it in two versions, the classic style in pink for a little girl, and something a bit more interesting for the larger sizes. Both are made in Amberyarns Academy and you should be able to get both one adult and one child's garment from one cone but this of course will depend on the sizes made. Look at the weights given with the pattern as a guide.

The adult version has a mixer yarn in with the Academy, in this case, Atkinsons Twizzle in a multi colour. It is quite amazing how this changes the feel as well as the look of the garment. After brushing up the Twizzle, the crossover feels quite fluffy and I am sure it would be warmer.

The magazines are saying that exercise wear is going to be seen a lot for everyday and evening wear and this style lends itself admirably to all sorts of design variations. Changing the mixer yarn to Lurex would give a totally different effect, but if you didn't want to go all glittery, how about knitting in a strand of a fine shiny yarn with the 4ply. It could either be or a self colour to add another dimension. There is no need to go to a lot of expense, a strand of sewing thread can look very effective.

If you are going to add in a mixer yarn, the size of the garment will change slightly because overall, the yarn will be thicker but the difference will not be enormous. You can always knit on a slightly tighter stitch size to compensate. Once you have made the tension swatch, the difference can be worked out and you can decide on what course of action to take, if any.

If you want to stay with a flat colour, the design could be varied by making the bands in a contrast colour or for a really way out version, make all the garment pieces and bands in different

colours. It would certainly be a way to get rid of the ends of cones that we all hang on to.

There are any number of ready made motifs available now and one of these could be stitched on to the shoulder for an elegant effect. Pearls, studs or "diamonds" could be stitched along the crossing edges or for something really unusual, onto the welts.

As you can see, there are many, many things that could be done to decorate the garment to lift it out of the ordinary.

In knitting the garment, there are no bands to make or apply and the back and fronts are put together on the machine which not only saves time in casting off but also in assembling. After these are knitted together, there will be a chain along the shoulder edge on the outside. This adds to the decorative effect and will make the shoulder stable. The back neckband is knitted all in one with the front and is applied at the same time as the back and fronts are joined, saving even more time and effort. Perhaps it is not technically correct, but I have made the cord ties in stocking stitch. Worked over only four needles, it curls to form a cord and halves the number of rows that have to be knitted if the cord were made conventionally in tubular, using pushers.

The natural curling of the stocking stitch is also used to form the edges on the fronts. To give a really nice finish, the shaping on these is fully fashioned. Once uncurled slightly and steamed they are permanent. The shoulders are shaped using pushers which is also very quick. This is a method of shaping that you may like to consider when designing your own garments.

You will see that I have used the back bed of the machine for knitting this design. Usually, our front bed is used

as the main bed, but as there are stitches to be picked up and fully fashioned decreases to be made, I think it is easier to see what you are doing if you work on the back bed.

The shaping is based on multiples of three. I know that this is unusual for our machines, but there is no reason why it should not be done.

Because I have stuck to threes throughout, you will not find yourself having to count separately for the shapings on each edge. For example, if the shaping at the crossing edge is made every three rows and at the underarm every nine rows, when knitting, you would count one, two, three rows - decrease front edge, four, five, six - decrease front edge, seven, eight, nine - decrease front edge and increase underarm, one, two, three - front edge, etc.

I have written the pattern for the adult sizes out fully as is usual in Knit Something Simple. The pattern for the childrens sizes comes after the adult version. I have not written these out fully, as they are made in exactly the same way as the adult sizes. If you are unsure of what to do, read through the relevant section of the adult pattern.

Lastly, it is important that both fronts are made before the back. The back is not taken off the machine. The fronts are hung onto the machine and all are knitted off together. The sleeves can be knitted whenever you please.

I designed this garment for a friends little four year old girl who has just started Ballet lessons. She can just about point her toe and bend her knees in time to music but she is so enthusiastic. Her shining little face on a Saturday as she goes off to her class is quite a picture!

Until next time,



Irene Krieger, England.



Adult: 81[86:91:96:101]cm bust
Child: 66[71:76]cm Chest.



Adult: 87[92:96:100:104]cm.
Child: 72[76:80]cm.



AMBERYARNS Academy
100% acrylic 564 metres per
100g. 1 X 400g cone = Col 1 for
either garment. Adult version
additional fancy yarn, such as
ATKINSON'S Twizzle, Op-
tional.



40sts = 139mm, 40Rs =
101mm, measured over stst.
Rib 40Rs = 80mm.



Stocking stitch throughout for
main parts, & 1 X 1 ribs.



Page 4.



225g Size 86cm.



These garments are made
using the 6000 machine
manually, without the console.
It is therefore not necessary to
switch the computer on. Follow
the instructions as given.



**MAKE 2 WITH REVERSED
SHAPINGS**

A. * Handle up. Push up
61[71:76:81:84:87:90:93]Ns to
WP on both beds. Arrange for
1 X 1 welt as shown in Diag 1.

Orange strippers. SS 3/3. Locks N/N,
Col 1. K 1 Row. Set Locks CX/CX, K
2 Rows. Set Locks N/N, K 1 Row. This
completes a circular cast on, which is
normally abbreviated in this
magazine to CoCir.

Row counter 000. SS 3.5/3.5. Knit to
RC20[20:20:30:30:30:30]. Trans all
sts to the back bed. This completes
the welt.

B. Black strippers. SS 6.5, Locks
N/GX RC000. (The front lock will not
be knitting)*.

The front edge is shaped at the same
time as the underarm (side) seam. On
the front edge, (right hand side), the
decreases are made using the "fully
fashioned" method, also known as
"Italian decreasing". To do this, select
the three pronged, black handled
eyelet tool. Pick up the end three
stitches on the tool, and move them
one stitch inwards, and replace the
stitches onto the needles. The third
needle will now have two stitches
hanging on it. Make sure that you
push the now empty edge needle
down to non working position.

Knit 3 rows and decrease one stitch
at the right hand edge, fully
fashioned.

Do this 30[33:36:46:47:48:49:51]times
in all, at the same time as shaping the
left (side seam) as foll.

Knit 6[6:6:9:9:9:9] rows and in-
crease 1st at left, fully fashioned 6
times in all. Continue to
RC41[53:66:81:87:93:98:98] The lock
will be at the left.

C. Cast off 4[4:4:4:4:4:6]st at left
and knit 3 rows. Decrease 1 stitch at
left and knit 3 rows 8[8:8:3:3:3:3]
times in all. Then continue without
further shaping at the left side to
RC110[126:142:150:156:168:180:180]
Remember to continue shaping at the
right edge.

D. Shape shoulders. On the back bed,
bring pushers to upper working posi-
tion under very needle in work. Set
locks to BX/GX.

Place the 3[3:3:4:4:4:4] left edge
pushers to lower position. Knit 1 row.
Place 1 pusher at the left to lower
position and knit 1 row. Repeat these
2 rows another 3[3:3:4:4:4:4] times.
16[16:16:25:25:25:25] pushers in
lower position. This type of shaping
gives a smoother line to the shaping.
The lock will be on the right. Place all
pushers except the right side last 4,

into lower position. These 40 stitches will now be used to form the back neck band.

E. RC000.

Knit 26[26:28:34:38:40:44:44] rows and cast off.

Thread the machine with waste yarn. Set the locks to N/GX. Knit several rows in waste, and release work from the machine.

Make second front reversing shapings. The fully fashioned decrease will be made at the left and the underarm and armhole at the right. It will be necessary to work 1 row less before casting off for the armhole and shaping the shoulders. e.g. RC80, instead of RC81. This is so that the locks will be on the correct side to allow the shapings to be reversed.

TIES

One for each front.

With the wrong side of the work facing you, pick up

10[10:10:15:15:15:15:15] stitches from the edge of the front welt at the lower edge. Set locks to N/GX SS 6.5

Knit 3 rows & decrease 1 stitch at the garment edge, (not the lower edge of the rib side). Repeat until only 4 stitches remain, the knit straight to RC100[110:120:140:150:160:170:180] Break yarn and thread into double ended bodkin. Thread bodkin through stitches and remove stitches from machine. Pull yarn through stitches to gather in, and fasten off. Repeat on second front.



A. Cast on over

92[98:104:112:120:126:

132:138] needles exactly as for fronts.

Knit as fronts from * to * over these needles.

B. Knit 6[6:6:9:9:9:9] rows and increase 1 stitch at both ends 6 times in all.

Continue to knitting to RC42[54:66:80:86:92:98:98].

C. Shape armhole.

Cast off 4 stitches beginning of next 2 rows. Knit 1 row- Decrease 1 stitch at both ends of work and knit 3 rows 8[8:8:3:3:3:3] times in all. Continue without further shaping to RC110[126:142:150:156:168:180:180].

D. Shape shoulders.

Set locks to BX/GX. Bring pushers for every working needle to upper working position. Place last 3[3:3:4:4:4:4] at left and 1 at right to lower position. Knit 1 row. Place 1 pusher at left and 3[3:3:4:4:4:4] at right to lower position. Knit 1 row.

Repeat these 2 rows 3[3:3:4:4:4:4] more times.

16[16:16:25:25:25:25:25] pushers remain in upper working position. Return all pushers to upper working position and knit 1 row. Attach fronts.

Lower front bed. Present fronts from up between the beds. Rehang fronts onto back by picking up stitches held on waste yarn. Take care that armhole edges are hung on top of armhole edges. Bring centre needles of back slightly forward, so that you can see where they are. Make stitches along edges of back neck band and hang onto back so that cast off edges of back neck bands are in the centre. Take care that the bands are not twisted. SS 8. N/GX. Knit 1 row. Cast off using latch tool method.



A. Push up

54[58:62:60:62:64:66:70] needles, and knit as back from * to *.

B. Knit 6[6:6:9:9:9:9] rows and increase 1 stitch at both ends of the work

15[15:15:16:16:16:16] times in all.

Continue knitting straight to RC130[136:142:152:158:164:170:170].

C. Shape sleeve head.

Cast off 4 stitches beginning next 2 rows.

Knit 2[1:2:4:4:4:4] rows. Decrease 1 stitch at both ends of work and knit 3 rows 11[13:14:12:12:12:12] times in all. Cast off 4[4:4:6:6:6:6] stitches at the beginning next 6 rows. Cast off the remaining 30[30:32:16:20:20:20:24] stitches.



Block out to size and steam lightly all garment parts. Do not steam any ribbed sections, as this would make them lose their elasticity. Do not steam the front edges completely flat. Uncurl only to allow the front edges to sit nicely. The fully fashioned edge should still be turned under slightly. Sew in sleeves. Join side seams, leaving slit of 2.5 cm open immediately above welt to allow ties to pass through. Join sleeve seams.

DIAGRAM 1
ALL MACHINES

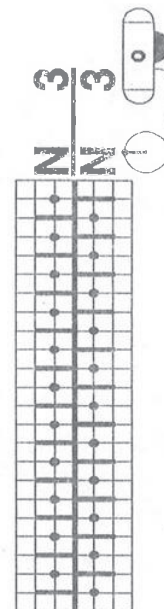
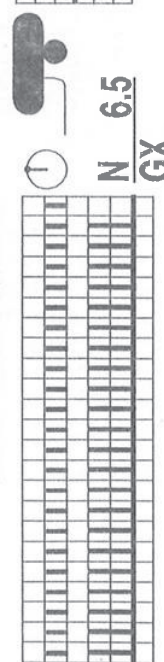
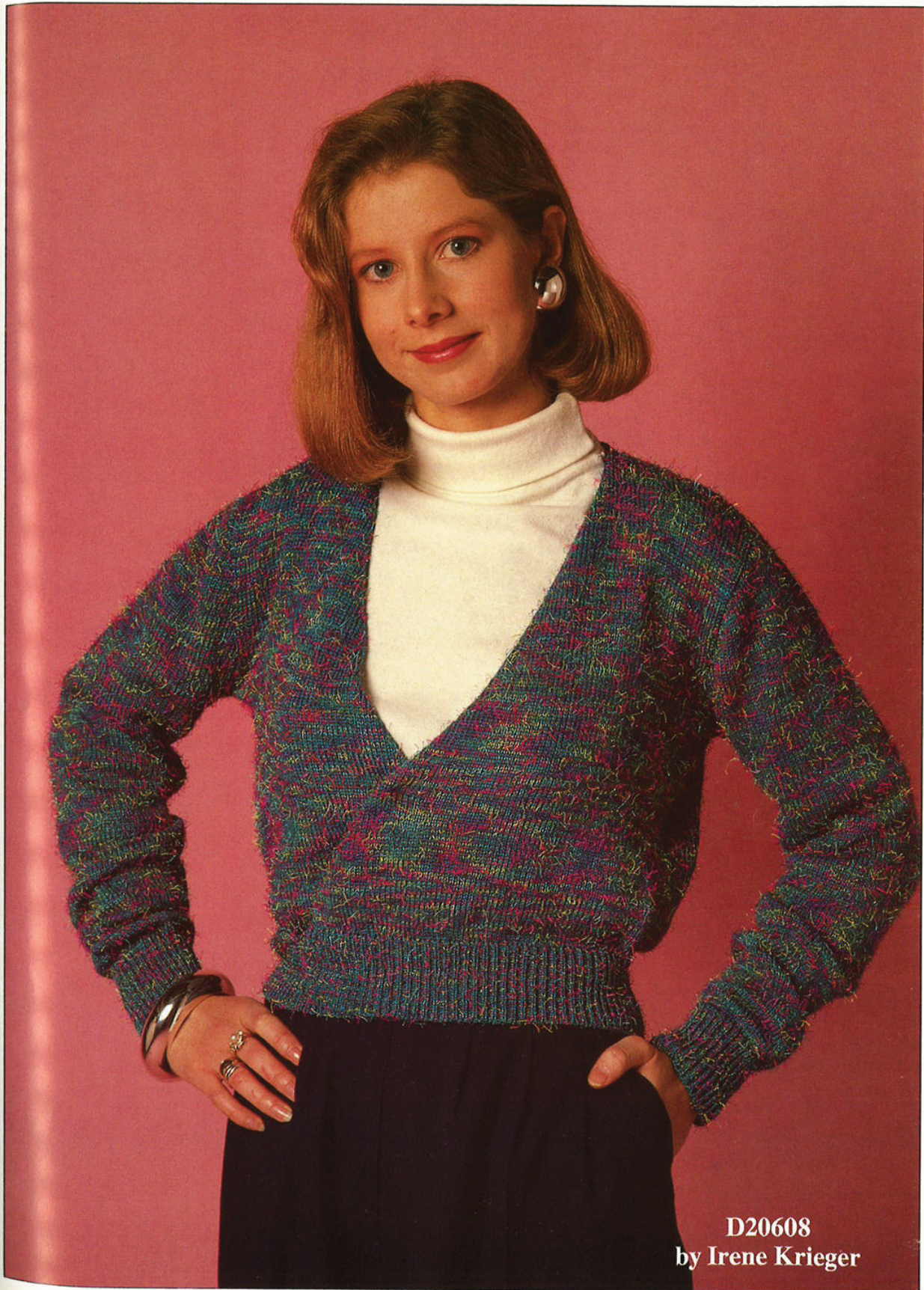
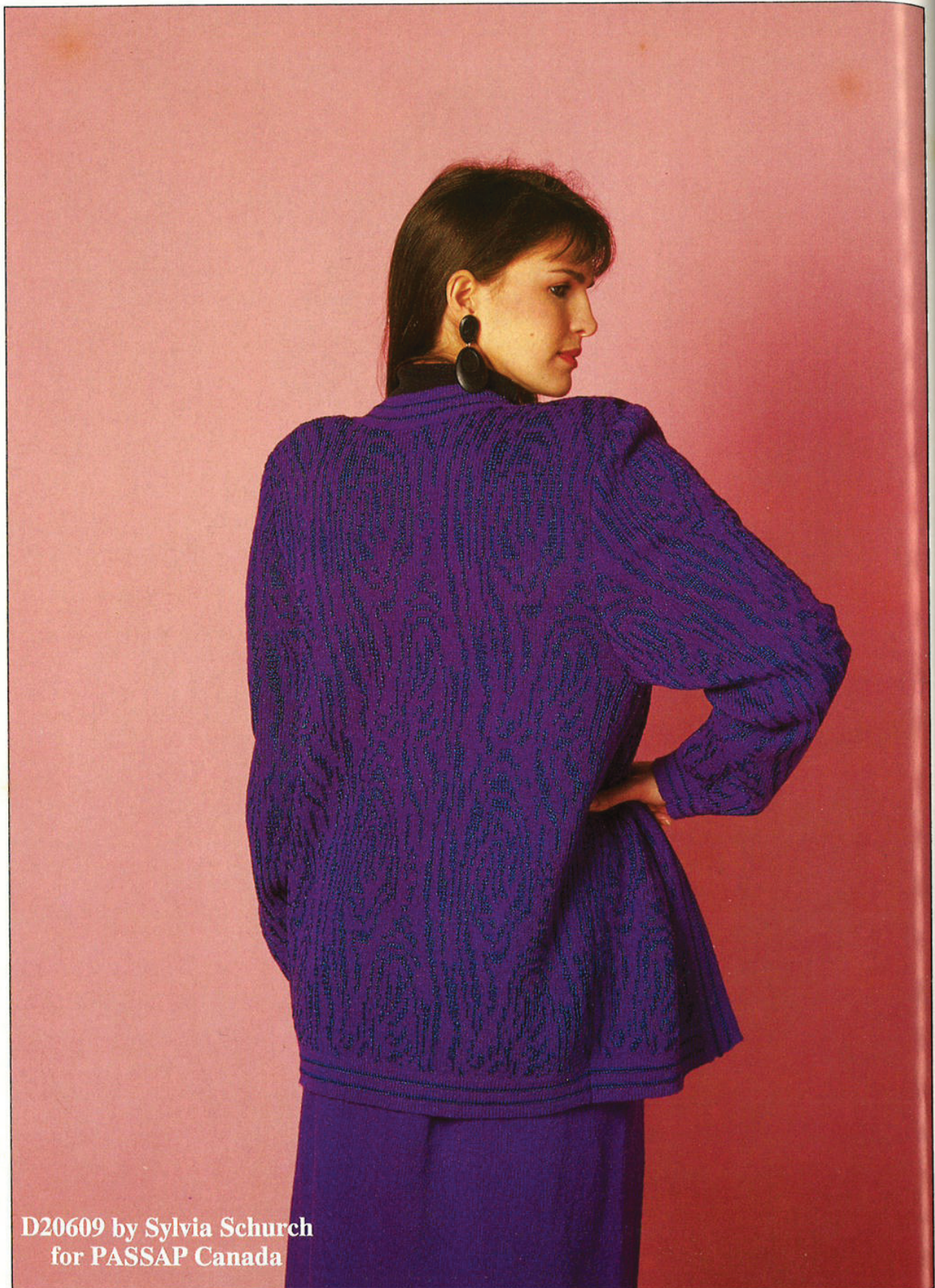


DIAGRAM 2
ALL MACHINES





D20608
by Irene Krieger



D20609 by Sylvia Schurch
for PASSAP Canada



Sylvia Schurch for PASSAP
Canada. © Husqvarna White.



82[87:92]cm Bust.
Hips 90[100:110]cm.



92[97:102]cm Bust.



GENE BAYLEY Dynasty
70% wool 30% Rayon, (578
metres per 100g), Purple 900g
= Col 1. Dynasty with 2/3
Rayon Twist, 50% wool 50%
Rayon, (385 metres per 100g),
Purple 500g = Col 2.

These yarns are available by
Mail Order, see Yarn Informa-
tion on Page 72.



JACKET 40sts = 147mm,
40Rs = 59mm, measured over
jacquard pattern.

SKIRT 40sts = 119mm, 40Rs
= 82mm, measured over patt.



JACKET Jacquard *Cast on 8,
St Patt A 1225, Tech 183.*

Tubular cast on. Patt with card
given and Diags.
SKIRT Stocking stitch.



Page 4.



JACKET 950g Size 87cm.
SKIRT 400g Size 100cm.



The jacket fronts may be made
separately by casting on at left
of centre for 1st side, & right
of centre for 2nd side, to keep
pattern correct. Or knit as one
piece and cut through centre
and make shaping. Bands are
attached in the same way for
either method. You will re-
quire purchased skirt lining.



A. CoCir K/K. *Cast on 8.* Col
1. (N/N SS 1.5 K 1R. CX/CX SS
4 K 3Rs).

*Lks CX/CX SS 4.5 K 14Rs
Col 1. Lks N/N K 2Rs Col 2*.
Rep from * to * once more. Lks
CX/CX SS 4.5 Col 1 K 14Rs.

B. Set for St Patt A as Diag. K
as chart & Diag. K as chart in
patt.

C. Dec & K in patt as chart.

D. Shape shoulders as chart by
short rowing method,
(pushers). CoF. {Neck shaping
is cut afterwards}.



A. As Back A.

B. As Back B. K 1st side over
only half Ns from centre to Lt,
2nd side from centre to Rt, K
& shaping as chart. Or K as
back & cut in half & cut shap-
ing.

C. As Back C.

D. K & dec as chart.

E. As Back D. CoF.



A. As Back A.

B. K in patt & K and inc as
chart.

C. Dec and K as chart. CoF.



CoCir as Back A 176 Ns K/K.
K as Back A throughout. Mark
st 66 at Lt for point of V.
Change to WY K several Rs &
rel. Repeat for second side, but
mark st 66 at Rt.



CoCir & K as front bands &
Back A over 52Ns.



Block and steam press all parts
to size.

If using cut & sew method, cut
front in half & to shape as
chart.

Join shoulder seams. Sew in
sleeves.

Cut back neck shaping in even
curve 2.5 cm deep.

Attach back neck band back-
stitching through open loops to
outside of garment, unravelling
WY as you go. Slip stitch to
inside enclosing edges.

Attach front bands in same
way, matching marked stitches
on band to V shaping point.
Join band seams at neck.

Sew side and sleeve seams.
Sew in shoulder pads if re-
quired. Give final light steam
pressing.

FRONT

A. CoCir 1 X 1 Col 1. Push up
all Ns FB to WP. **Lks GX/N
SS 5. Black strippers K 4Rs. SS
4.75 K 2 Rs. SS 4.5 K 2 Rs.
SS 4.25 K 2 Rs. SS 4 K 2 Rs. SS
3.75 K 2 Rs. SS 3.5 K 2 Rs. **
(16 Rs K in all). K 1 R SS 5.
Repeat these 16 Rs from ** to
** in reverse order, but last 2
Rs at SS 5.5.

Transfer loops from BB to FB.

B. K in Stst as chart. CoF.

BACK

A. As Front A.

B. K as Back B & dec with 20
decker comb as chart. CoF.

WAISTBAND

CoRak K/K in WY
100[110:120] Ns. K several Rs.
Trans all sts to FB. Black strip-
pers, K 10 Rs. Col 1 SS 5.5. K
26 Rs. Lower FB.



Block & press skirt panels to
size.

With wrong side of skirt front
facing you, hang centre sts of
skirt front onto centre Ns, &
edge sts of skirt front onto
edge Ns. Make 2 pleats at ap-
prox 24 Ns from each edge in
skirt front, doubling sts on
these Ns.

Ease remaining sts onto Ns
evenly. Crochet CoF all sts
together.

Repeat for back of skirt but
omit pleats.

Fold band in half to inside and
slip st into place enclosing
waistband elastic. Join side
band seams with mattress
stitch.

Give final light pressing.

Make lining from purchased
lining fabric, and attach to in-
side of skirt.

DECO CARD

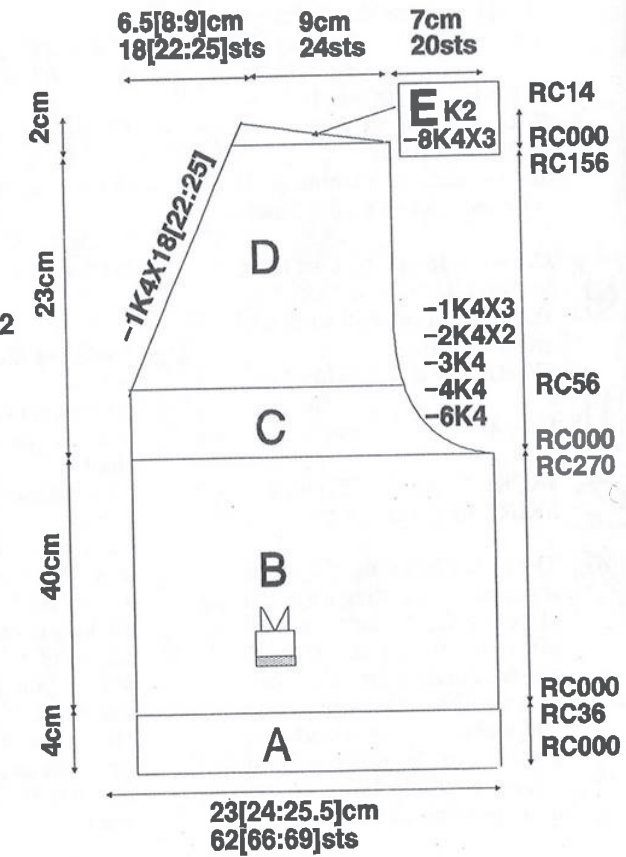
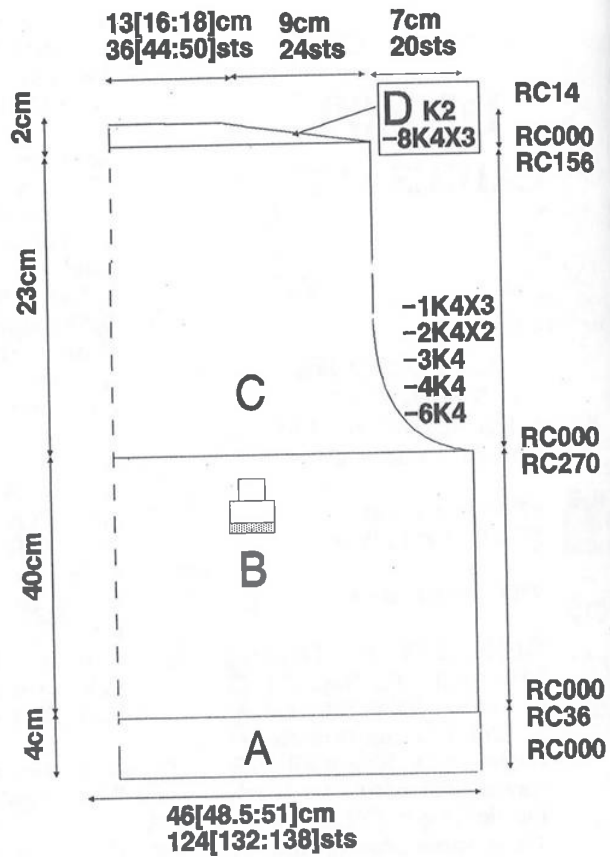
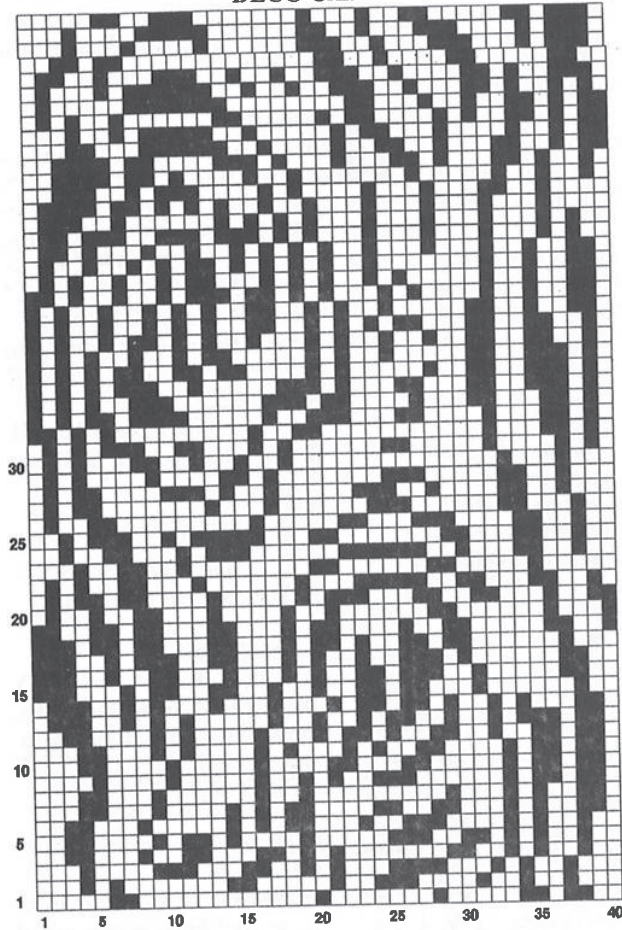
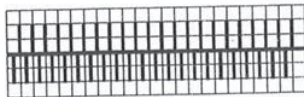
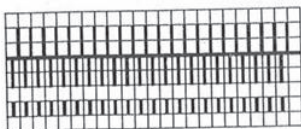


DIAGRAM 1



$\text{CX } 4.5 \times 14$ $\text{N } 4.5 \times 2$
 $\text{CX } 4.5$ $\text{N } 4.5$
 Col 1 Col 2

DIAGRAM 2

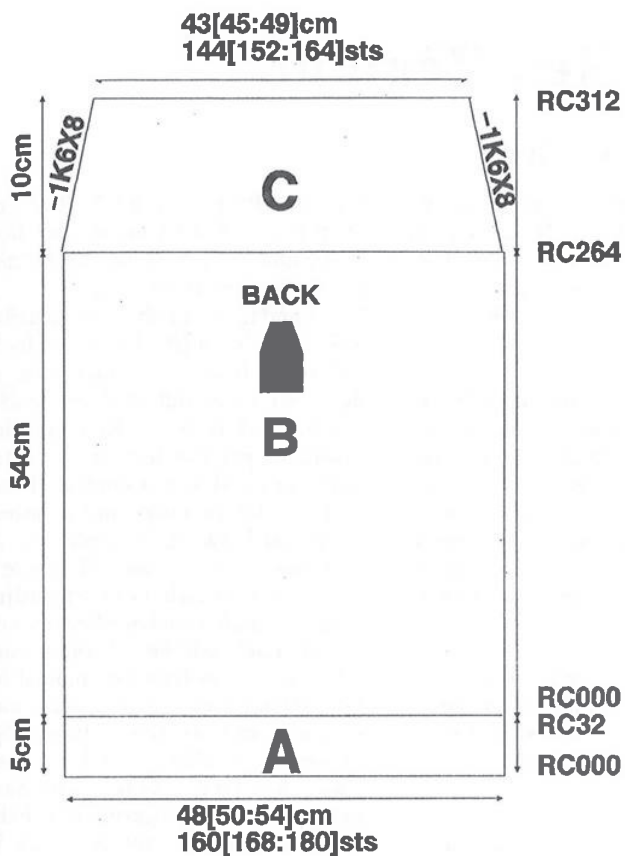


$\text{N } 4.5$ DUO
 $\text{LX } 4.5$ $\text{N } 4.5$
 $\text{BX } 4.5$
 2Rs Col 1, 2 Rs Col 2

DIAGRAM 3

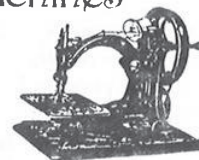


GX
 $\text{N } 5.5$



Derek Robert

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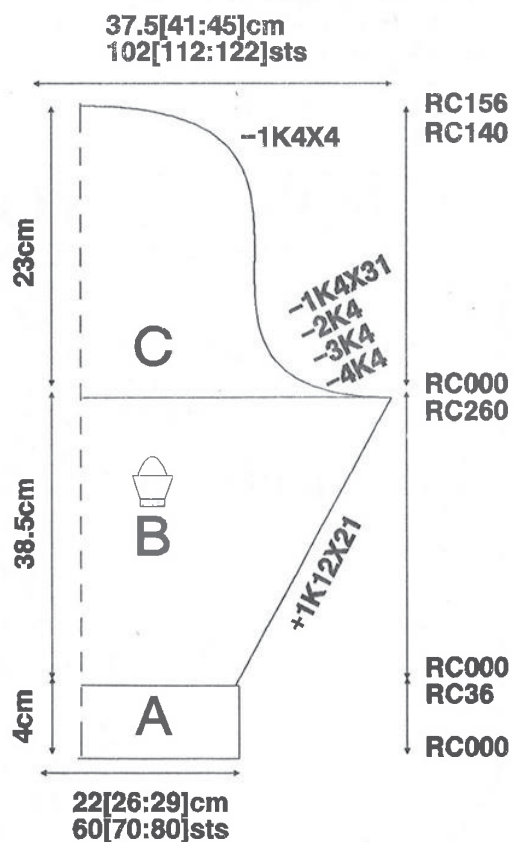
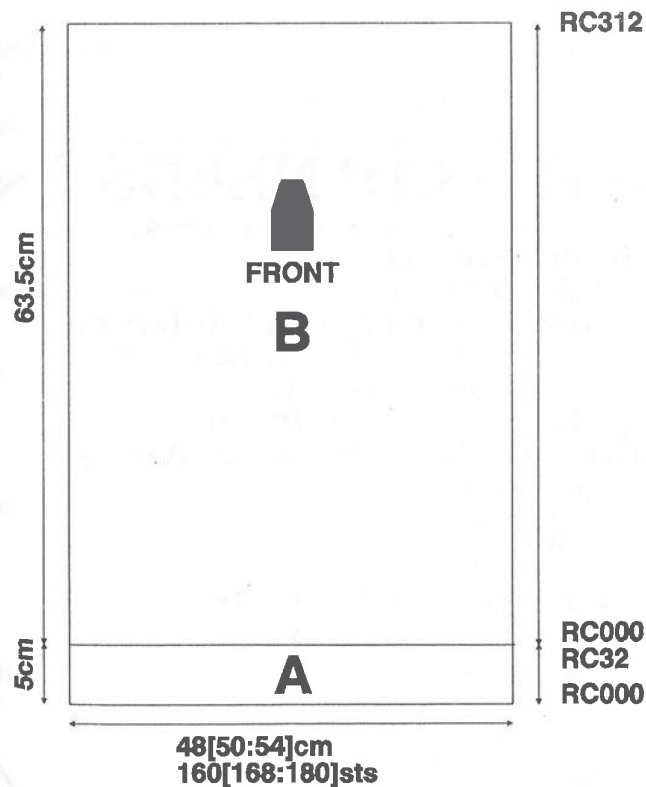
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Hello from New Zealand

Doris Paice

Hello Passap System Knitters.

For those of you who are unfamiliar with the geography of New Zealand, Auckland is in the northern part of the North Island. It is the largest city and sits on an isthmus, with the Tasman Sea on one side and the Pacific Ocean on the other, consequently we have two harbours, which is rather unique, and we invariably have a breeze, which can be refreshing, depending on the temperature at the time! Also for those whose geography is not a strong point, we are NOT connected to Australia. There is a 1200 miles of ocean between us!

Now this is a New Zealand letter not an Auckland one. I am hoping that other knitters will contribute towards it as time goes on. Perhaps that way a New Zealand flavour will creep through. I travel throughout New Zealand, and find within the country that the knitting varies considerably. The winters are colder in the South Island and their knitting is influenced by this. The North Island knitters knit lighter clothing, and in the summer months knit with the finer yarns.

The South Island is more sparsely populated than the North Island, which in many cases means that those knitters in the country areas travel quite long distances for their club meetings.

This copy will be in the February issue, but as I write this we are approaching our summer, and getting ready for Christmas. We have had one of the wettest winters on record and so are looking forward to some of the hot summer weather that the Northern Hemisphere experienced in 1990.

My hint for this issue is a buttonhole band that I use on all my cardigans, jackets and coats - the width varying for the weight of the garment.

For cardigans I cast on 9 stitches on each bed in K/K and make buttonholes over 3 stitches - I am a lazy knitter and that way I don't have to count. Cast on K/K with zig zag row, followed by one round of circular, or use the racking cast on. Duo 80 knit ters, set both locks to BX with both

arrows. Pushers 1 up 1 down, on front bed, 1 down 1 up on back bed. 6000 machines use Technique 119 and use the settings as directed.

This band takes much more yarn than a rib band but it sits flatter and looks tailored. It has very little give so never stretches out of shape, and it can be used for belts. Knit a tension length to get the feel of the stitch structure, and knit a couple of buttonholes for practice, and measurement test between buttonholes. At buttonhole row - cast off centre 3 stitches through corresponding centre 3 stitches on back bed, cast off centre back stitches through each other as per instruction manual for Duo 80 machines. Don't touch lock settings. knit two rows. Twist loops on centre needles, both beds, continue knitting. Once you have knitted, and worn a garment with this band, and had compliments for its appearance I am sure you will always use it.

Until the next issue, happy knitting.

Doris

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Index of 6000E Stitch Patterns

Compiled by Wilma Roberts, Ontario, Canada

Each time I browse through the 6000E stitch pattern book that accompanies the machine, I see patterns knitted in a particular technique, and recognize the pattern as being one that appears in another technique on a different page. But what page? Hence this index. I can now refer to the index and see which other pages of the book contain information on the pattern that I have chosen. This makes life a lot easier, and I hope you find it useful too.

Column 1 is the Pattern Number. **Column 2** the Knit Technique used. **Column 3** the page containing the picture. Figure in brackets is the page where other instructions are to be found.

PATT	TECH	PAGE	PATT	TECH	PAGE	PATT	TECH	PAGE
1000	139*	38(129)	1013	130	13	1021	129	13
	167*	38(129)		131	19		130	15
	169	33		139	29		138	29
	170*	38(129)	1014	129	10		169	34
	280	122		130	13		170	36
1001	130	7		131	19		180	61
	131	18		183	51		185*	43(129)
	140	33		256	114		256	114
1002	130	12		280	122		280	128
	138	25	1015	130*	8(129)	1022	129	12
	170*	36(129)		131	19		131	18
1003	130	7		169	33		180	50
	132	16		170	36		185**	42(129)
	138	27		188	50		256	114
	140	24		280	127		280	123
1004	130	7	1016	129	11	1023	129	9
	133	15		130	11		130	9
1005	130	6		131	16		130	12
	132	16		169	39		131	19
	149*	21(129)		180	50		180	50
1006	130	13		256	115		280	122
	133	16		280	122	1024	130	9
1007	130	12	ADD	198*	95(129)		280	124
	138	32	1017	130	15	1025	130	8
1008	130	6		131	17		280	128
	131	19		186	51	1026	130	8
	176	44		280	128		179	58
	280	123	1018	130	10		280	123
1009	130	6		130	13	1027	130	8
	131	18		131	18		280	124
	140	25		118	23	1028	130	11
1010	130	9		180	50		280	124
	131	17		256	114	1029	130	9
	184	48		280	127		185**	42(129)
	256	114	ADD	200	88		280	122
	280	127	1019	130	15	1030	130	10
1011	130	12		131	17		280	128
	131	19		137	32	1031	130	14
	139	25		170	34		280	123
	176	61		256	115	1032	130	10
	256	114		280	122		280	124
	280	126	1020	130	11	1033	130	11
1012	130	15		131	20		131	18
	131	16		180	46		280	126
	184	50		280	124	1034	130	14
	256	115	ADD	207	86		131	16
	280	126						

PATT	TECH	PAGE	PATT	TECH	PAGE	PATT	TECH	PAGE
1054	530	5	1119	170	35	1135	139	29
1055	529	14		184	46		140	26
	530*	7		186	55		170	35
1056		14	1120	<i>no picture</i>	<i>no picture</i>		180	47
	530*	8	1121	180*	46(129)		280	126
1057	530*	6(129)		183	46	ADD	198	95
	530*	12		187	46(129)	ADD	208	109
1058	529*	9(129)		255	110	1136	183	48
	530	10(129)	1122	180	51		183*	48(130)
1059	530*	8(129)		186	55		183*	49(130)
1060	530	10	1123	139	24		280	123
	530	14		170	35	ADD	210*	84(130)
	530	15		180*	51(129)	1137	170	37
1061	530	11(129)	1124	140*	28(129)	1138	138	29
	530*	14		190*	48(129)		140	27
1062	137	21	ADD	195	94		170	35
	140	28	ADD	196*	109(129)		183	48
1063	140	33	1125	183	52		185**	43(130)
1064	137	26	ADD	195*	85(129)		250	113
1065	137	27	ADD	196*	84(129)		255	112
	140	25	1126	180	44	1139	138	26
1066	138	29		188	44(129)		170	36
	149	26		190*	44(130)		182	44
1067	170	36	ADD	196*	106(130)	1140	188	62
1069	149	31	1127	137	32	1141	140	24
1070	138	22		180	61		191	44
	138	26	1128	138	28	1142	180	53
	149	28		139	27		185**	41(130)
	170	35		140	22		187.2	79(130)
1071	138	30		167	33	1143	183.3	79(130)
	140	24		187	53		185**	41(130)
	194	78		252	112		194	64
1072	537*	33(129)	1129	140	27	1144	137	22
1073	530*	13(129)		176	76		138	22
1100	184	45		180	61		167	38
1101	184	45		251	113		180	60
	257*	120(129)		255	112	1145	180	46
1102	259	120	1130	138	29		280	126
1103	183	45		167	39	1146	137	24
ADD	183*	45(129)		180	81		140	22
1104	259*	118(129)		185*	43(130)		170	36
1105	183	45		194	64		185**	41(130)
	259*	119(129)		210	84		193	64
ADD	183*	45(129)		251	112		200*	97(130)
1106	258*	118(129)		254	110		255	113
1114	170	34		280	123		286	119
	184	47	ADD	210	84(130)	1147	180	60
	186	55	1131	140	28		185**	42(130)
1115	170	35		140	38	1148	183*	54
	184	51		170	34	1149	179	58
	186	55		176	49	1150	179	58
1116	184	47	1132	190	49		185**	42(130)
	186	55	1133	170	34	1151	185**	41(130)
1117	170	39		188	81		186	56
	184	51	1134	185**	42	1152	180	61
	186	55		187	48	1153	180	80
1118	184	47		253	112		185**	41(130)
	186	55	ADD	211	88			

PATT	TECH	PAGE	PATT	TECH	PAGE	PATT	TECH	PAGE
1154	180	60	1229	183.1*	79 (130)	1264	183	56
	185**	42 (130)		188	80		187*	56 (130)
1155	169	39	ADD	205	88	1265	183	56
	180	61	ADD	206*	89 (130)	ADD	195	57
	185**	43 (130)	ADD	216	109 (130)	1266	183	56
1156	189	104	1230			1267	183	76
1157	180	77	ADD	198	89	1268	193	65
	185**	41 (130)	1231	183	89	1269	188	96
	286	119	1232	183	77	ADD	198*	96 (130)
1158	180	53	1234	187*	101 (130)	1270	187*	54 (130)
	185*	43 (130)	1235	183*	100 (130)		188	54 (130)
1159	180	77	ADD	199*	100 (130)		188*	107
1160	180	77	1236	183	95	1271	180	56
1161	180	101	ADD	198	100	1272	183*	52 (130)
	185**	43 (130)	ADD	207	88		188*	52 (130)
1162	180	71	1237	187	101		187	52
1163	180	71	1238	188	101	1273	183*	82 (1'30)
1164	180	71	1239	183	97		183*	82 (130)
1165	180	70	ADD	195*	97 (130)		188	82
1166	180	70	ADD	198*	91 (130)	1274	180	103
1167	180	70	1240	183	62		187*	102 (130)
1168	180	71		188*	62 (130)	ADD	198*	102 (130)
1169	180	71		188*	62 (130)	1275	183	90
1170	180	70		187.2	79 (130)	ADD	199*	91 (130)
1171	185	103	1241	183*	100 (130)	ADD	200*	91 (130)
1172	187.1	79 (130)		188	98	1276	193	64
	183	109	1242	183	100	1277	180	107
1180	Letters	66 & 67		195*	98 (130)		181*	107 (130)
to	A - R	"	1243	179	58		191*	107 (130)
1197	180	"	1244	179	47	ADD	195*	107 (130)
1198	Letters	"	1245	183	78	1278	193	78
to	S - Z	"		187*	78	1279	187*	106 (131)
1205	180	68	ADD	196*	85 (130)		188	106
1206	Numbers		1246	188	98	ADD	198*	106 (131)
to	1 - 0		ADD	198*	98 (130)	1280	183	95
1215	180	69	ADD	211	99	ADD	198*	95 (131)
1216	187	108	1247	191	103	A	199*	94
ADD	187*	101 (130)	ADD	199*	98 (130)	1281	183	63
1217			1248	no pic			183*	63 (131)
ADD	198*	86 (130)	1249	180	77	1282	183	63
ADD	207*	86 (130)	1250	179	59		193	64
ADD	207	87	1251	179	59	1283	180	76
1218	188	86	1252	179	59		183*	76 (131)
1219	no pic		1253	179	59		188*	76 (131)
1220			1254	179	59	ADD	199*	76 (131)
ADD	211*	104 (130)	1255	179	59	ADD	204*	89 (131)
1221	188*	104 (130)	1256	187	60	1284	187	108
ADD	198*	104 (130)		196	64		187*	108 (131)
ADD	207*	105 (130)	1257	180*	47 (130)		188*	108 (131)
1222	180*	104 (130)		183*	53 (130)	ADD	196*	108 (131)
1223	180	81	1258	187	80	1285		
1224	180	77	1259	188	62	ADD	198	86
1225	180	83		188*	63 (130)	1286	183	86
1226	180	92	1260	187	80	1287	183	90
1227	180	92		191	81 (130)		183*	90 (131)
ADD	195	93	1261	183	54	ADD	196*	90 (131)
ADD	196*	92 (130)	1262	183	54	ADD	196*	90 (131)
1228	183	81	1263	183*	54 (130)	1288	180	102
				179	58	ADD	199	102

PATT	TECH	PAGE
1289	180*	92 (131)
	183	92
ADD	198*	92 (131)
1290	183	101
ADD	195*	94 (131)
ADD	198*	100 (131)
1291	179	58
1292	182*	53 (131)
	183	53
	183	102
1293	183	102
ADD	198*	103 (131)
1294	186*	52 (131)
	187	52
ADD	196*	84 (131)
1295	180	103
	182*	103 (131)
	183	49
	186*	49 (131)
	188*	49 (131)
1297	188	82
ADD	198	82
1298	188	82
1299	185	62
ADD	198	94
ADD	205	97
1300	193	193
ADD	197*	85 (131)
ADD	217*	108 (131)
1301	193	63
ADD	208*	88 (131)
ADD	195*	108 (131)
1302	183.2*	79 (131)
	188	78
ADD	207*	84 (131)
1303	187	78
ADD	198*	104 (131)
1304	190	91
ADD	199*	90 (131)
1305	183	96
ADD	195*	96 (131)
1306	187	107
ADD	196*	106 (131)
1310	180	73
1311	180	73
1312	180	73
1313	180	72
1314	180	72
1315	180	72
1316	180	72
1317	180	75
1318	180	75
1319	180	75
1320	180	75
1321	185	74
1322	185	74
1323	185	74
1360	no pic	
1361	no pic	

PATT	TECH	PAGE
1362	183*	81 (131)
	187	80
ADD	198*	80 (131)
ADD	199*	85
ADD	195	102
	253	111
1363	185*	60 (131)
ADD	197	89 (131)
ADD	199*	85
	253	110
	170	34
1364	199*	85 (131)
ADD	280	126
1400		
ADD	199*	85 (131)
	245*	115 (131)
ADD	246*	116 (131)
ADD		
1401		
ADD	246*	115 (131)
ADD	248*	116 (131)
1402	no pic	
1403		
ADD	246*	116 (131)
1404	no pic	
1405		
ADD	246*	117 (131)
1406		
ADD	198*	109 (131)
	245*	115 (131)
1407	188*	106 (131)
ADD	197*	91 (131)
	245*	116 (131)
1408	182*	91 (131)
ADD	197*	88 (131)
	245*	116 (131)
1409	245*	116 (131)
1410	no pic	

NOTE

Where "no pic" appears in the chart, there is no illustration of a knitted piece in the book.

There is a grid pattern shown in the back of the book however, and all these patterns have been used to ADD to other patterns.

Charts compiled by:-
Ms. Wilma Roberts
Ontario
Canada

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& Duet Magazine 1991

**BASIC
STITCH PATTERN
CHART**

**THESE ARE THE BASIC STITCH
PATTERN TYPES THAT RE-
QUIRE NO KNIT TECHNIQUES
TO BE ENTERED.**

The pattern is shown in the left column, and the appropriate page number for each pattern in the right column.

Patt	Page	Patt	Page
100	2	151	
101	2	152	21
102	2	153	20
103	2	154	
104	2	155	25
105	2	156	30
106	2	157	21
107	3	158	21
108	3	159	25
109	3	160	30
110	3	161	26
111	3	162	40 (2)
112	3	163	40 (2)
113	3	164	40 (2)
114	4	165a	39
115	4	165b	39
116	4	166	20(129)
117	4	167	32
118	4	168	32
119	4	251	110
121	4	253	110
129	6	255	110
130	6	259	118
131	18	260	118
132	17	262	119
133	17		
134	17	263	113
135	7	264*	118(129)
136	7		119
137	30	265	128
138		266	113
139	30	267	118
140		268	121
141	21	269	120
142	20	270	120(129)
143	20	270*	120
144	20	271	113
145	38	272	120
146	27	281	128
147	20	282*	125(129)
	28	283	127
148	32	284	127
149	30	285	119
150	22		



5, 80, 6000



Alice Cartwright, England.



66[71:76]cm Chest.



71[82:86]cm Chest.



BRAMWELL 2/30's 100%
Acrylic. 1 X 500g cone Red =
Col 1, 1 X 500g cone White =
Col 2, 1 X 500g cone Black =
Col 3.



40sts = 155mm, 40Rs =
40mm, measured over jac-
quard pattern.
40Rs rib = 50mm. (Yarn used
triple).



Double bed jacquard with
cards given. Duo according to
Diags. 6000 Tech 180.



Page 4.



250g Size 71cm.



Yarn used 2 ends each colour
in eyelets together. Yarn used
3 ends together for ribs &
band. As Col 2 & Col 3 are
required in small amounts
only, this garment is ideal for
using up ends of cones in ap-
propriate colours. Wind off
half Col 1 into balls before
starting to knit. This garment
has a cut & sew neckline, & is
one of our Nice'n'Easy selec-
tion. The back & front are
plain rectangles, & the sleeves
a modified rectangle.

6000 PROGRAMMING

CAST ON - 1 - ENT
ALL ST PATT - NO
ST PATT A - ● - ENT (READER)
Read in card
ALTER - NO
TECH - 180 - ENT
ENLARGE POSITION - ENT
CM - NO
↑ R 244 - ENT
↔ STS 27 - ENT
POSITION - ENT
PATT AFTER R0 - ENT
TO R/L/ 12 - ENT
IN PATT AT R0 - ENT
↑ REP R0 - NO - ENT
↔ REP STS - ENT
TEST - NO
ALL ST PATT - NO
ST PATT B - ● - ENT (READER)
Read in card as for St Patt A.
ALTER
DIRECTION - ENT
E→ - ENT
ADD - NO
TECH - 180
ENLARGE POSITION - ENT
CM - NO
↑ R 244 - ENT
↔ STS 27 - ENT
POSITION - ENT
PATT AFTER R0 - ENT
TO R/L/ 12 - ENT
↑ REP R0 - NO - ENT
↔ REP STS - ENT
ALL ST PATT - ENT
FORM - ENT
Enter Form programme as shown in box

DUOMATIC

Punch Deco Card placing design in
centre of card as shown. The design
will be slightly different from that
shown in the photograph.



BOTH ALIKE, KNIT 2

A. CoCir 1X1 Col 1 3 ends. K
as chart.
B. Bring all Ns on BB to WP.
Lks CX/CX. SS 4/4 Handle
down K 3Rs. All FB Ns to WP.
Lks N/N K 1R.
Set for St Patt A. K in Patt with
2 ends Col 1 2Rs, 2 ends Col 3
2Rs as chart.
C. K in St Patt A 2Rs Col 1, 2
Rs Col 2 as chart.
D. Set for St Patt B. **DUO** Take
out card & turn it over. Then
return it to reader reversed.
This will make cats face in opp
direction. K 2 Rs Col 1, 2 Rs
Col 2 as chart.
E. K in patt 2Rs Col 1, 2Rs Col
3 as chart. CoF.



A. As Back A.
B. As Back B & inc as chart.

C. As Back C & inc as chart.
CoF.



Make cut neck on front and
back. 8cm deep on front, 2 cm
deep on back, both across the
centre one third of total width,
in an even curve. Join Rt
shoulder seam. Place neckline
against Ns to assess number re-
quired for collar. Join second
shoulder. Sew in sleeves. Join
side & sleeve seams.



Arrange FB & BB Ns assessed
for 1X1 rib. 3 ends Col 1.
CoCir. SS 3.5/3.5 K 28Rs.
Lks CX/CX SS 5/5 Black strip-
pers. Push all Ns to WP. K RC8.
Change to WY K several Rs &
release. Starting at Lt shoulder
seam, backstitch through open
loops of collar, unravelling
WY as you go. Slip stitch
second side of envelope to in-
side of garment, enclosing cut
edges. Fold collar in half to in-
side. Slip stitch down. Give
final light steaming.



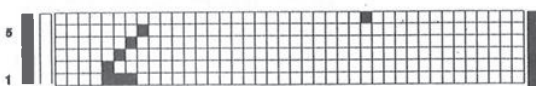
	66cm	71cm	76cm
1	80	80	80
2	160	160	160
3	A	A	A
4	B	B	B
5	75	75	75
6	30	30	30
7	35	41	43
8	38	38	38
9	75	75	75
10	30	30	30
11	35	41	43
12	6	6	6
13	6	6	6
14	56	58	60
15	0	0	0

	66cm	71cm	76cm
1	80	80	80
2	160	160	160
3	A	A	A
4	B	B	B
5	75	75	75
6	30	30	30
7	18	19	20
8	38	38	38
9	75	75	75
10	30	30	30
11	35	41	43
12	6	6	6
13	6	6	6
14	32	34	36
15	0	0	0

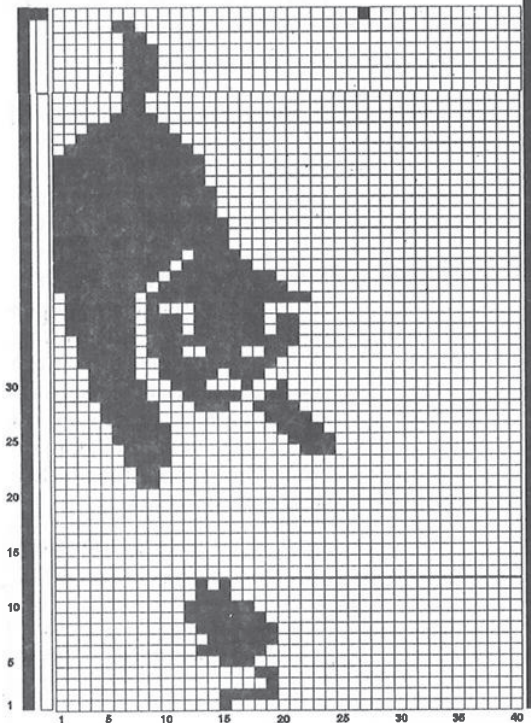
DECO

Place design in centre of card, punching holes for black squares. Omit the complete line containing single black square at top of both cards shown. DUO design will differ from that shown in photograph

Design Card Continuation



Deco & 6000 Design Card



FORM & FORM COMPUTER PROGRAMME

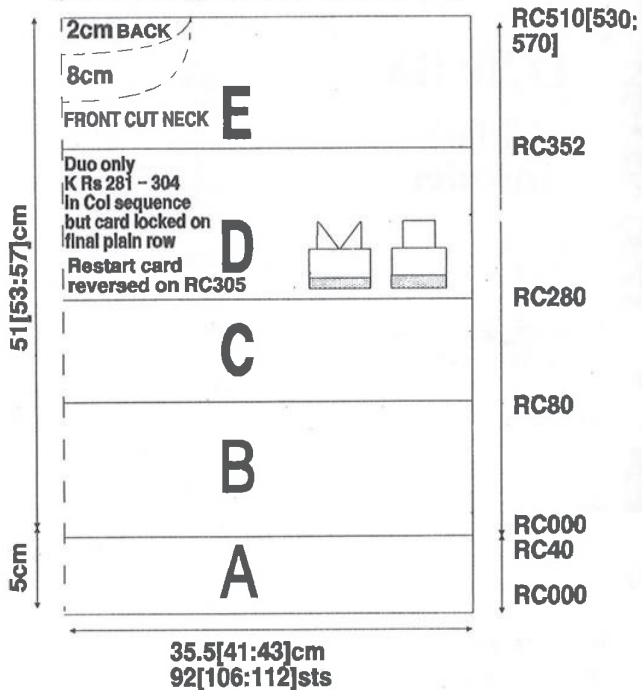
This programme is the Collar Programme shown in the instruction manual, and shows that it is possible to knit complete garments from this simple, basic shape.

There are no indications for knitting the ribs. Knit these from the chart manually, and change to stitch pattern, then switch on for form. Enter the swatch measurements for **jacquard** at A & B.

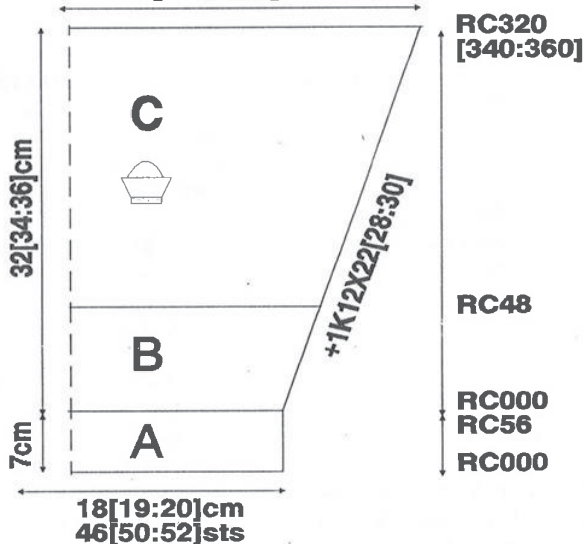
There are also no indications when to change from stitch pattern A, to stitch pattern B. (DUO owners remove Deco card and replace card in reader at row 1, but with back of card showing uppermost).

For larger size garments, enter your width measurements at both lines 7 & 11. Length measurement at line 14. Width measurements may be different for lines 7 & 11. Smaller at 7 will give a V shape. Smaller at 11 will give a piece of fabric that decreases in width towards the top, A shaped. Experiment with this programme & see how versatile it is!

12[13.5:14]cm



35[41:43]cm
90[106:112]sts



18[19:20]cm
46[50:52]sts

DIAGRAM 1 RIBS & BAND

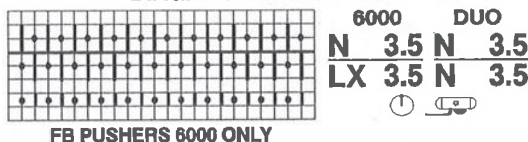
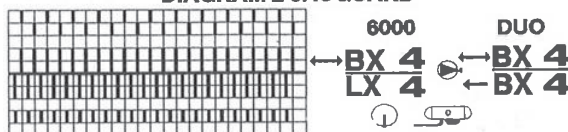
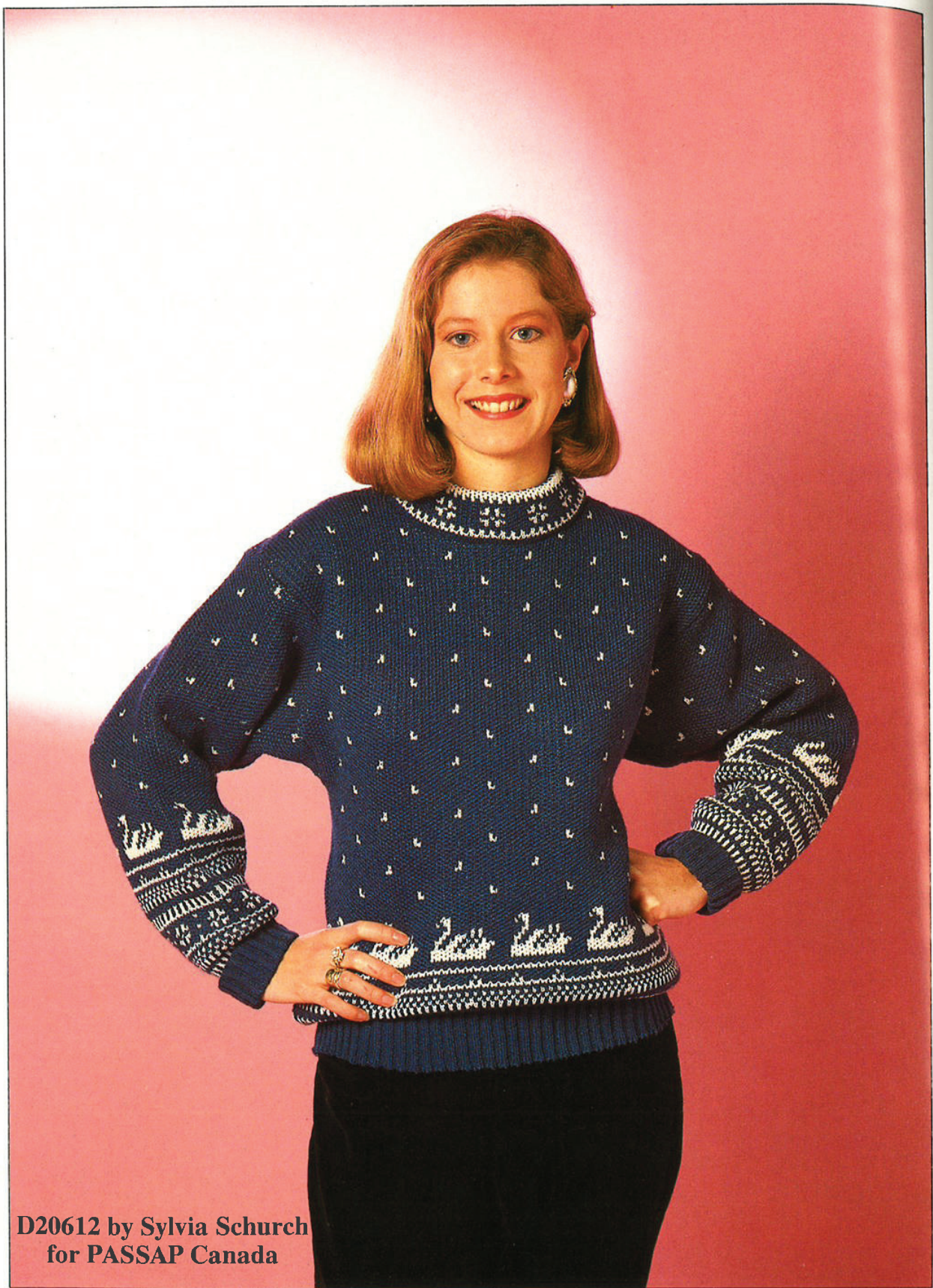


DIAGRAM 2 JACQUARD





D20604 by
Alice Cartwright, England



D20612 by Sylvia Schurch
for PASSAP Canada



5, 80, 6000



Gina Lund of Navian Designs
for PASSAP Canada.
© Husqvarna White



94[102]cm Chest/Bust
Length 58[60]cm



102[120]cm Chest/Bust.



BOUQUET Paisley 100% acrylic 2/12's 1X450g cone Blue Jay = Col 1.

BOUQUET Newry 100% acrylic 2/16's 1X450g cone White = Col 2.

Substitutions: BRAMWELL 2/30's acrylic 2 ends together for each Col. CHECK TENSIONS!



40sts = 157mm, 40Rs = 39mm measured over jacquard.
40Rs Rib = 60mm.



Jacquard from cards given & Diags. Cast on 4. Tech 180.



Page 4.



500g Size 94cm.



DUOMATIC Make 3 Deco cards of dotted pattern & join to main patt card in loop.

6000 Read card with swans, then dotted design card 5 times. This will make a continuous St Patt A. Collar Card = St Patt B.



KNIT 2 ALIKE

A. CoRak 1X1 Col 1 as chart. K as chart.

B. Set Lks for St Patt. K as chart in 2Rs Col 1 & 2Rs Col 2. CoF.



A. As Back/Front A & chart.
B. As Back/Front B and inc as chart. CoF.



CoRak K/K 136 Ns. Col 1. RC000. Set for St Patt, Collar Card. K in jacquard 2Rs Col 1 2Rs Col 2 to RC56. K with Col 1 ONLY to RC110. CoF loosely.



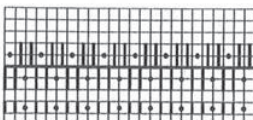
Block out to size and gently steam. Do Not Press. If using cut & sew neckline, cut out front neck 10cm deep and 17cm wide in even curve. Back 17cm wide & 2cm deep.

Join shoulder seams. Join collar seam. Match collar seam to centre back of garment. Sew collar 0.5cm below neck edges with backstitch through CoN of collar to outside of garment first. Ease as necessary. Fold collar in half to inside & slip stitch down, enclosing edges. Join side & sleeve seams, ensuring that patterns match.



	92 cm	102 cm	112 cm
1	40	40	40
2	164	164	164
3	A	A	A
4	B	B	B
5	120	130	140
6	3	3	3
7	3	3	3
8	195	195	195
9	C	C	C
10	7	7	7
11	24	24	24
12	38	38	38
13	120	130	140
14	3	3	3
15	3	3	3
16	40	40	40
17	61	61	61
18	(3)	(3)	(3)
19	98	98	98
20	7	7	7
21	68	68	68
22	0	0	0

(3) = Total Length Required in Form Programmes given.

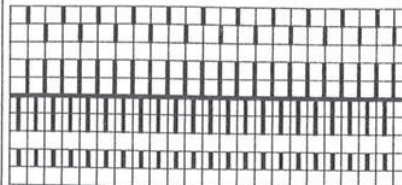


FB PUSHERS 6000 ONLY

6000 DUO
N 3 N 3
LX 3 N 3

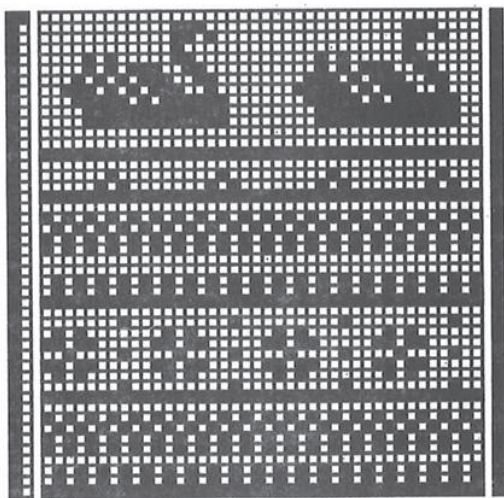
	92 cm	102 cm	112 cm
1	40	40	40
2	164	164	164
3	A	A	A
4	B	B	B
5	120	130	140
6	3	3	3
7	3	3	3
8	195	195	195
9	C	C	C
10	7	7	7
11	24	24	24
12	38	38	38
13	120	130	140
14	3	3	3
15	3	3	3
16	40	40	40
17	61	61	61
18	(3)	(3)	(3)
19	226	226	226
20	7	7	7
21	68	68	68
22	73	73	74
23	152	152	160
24	180	180	189
25	166	166	128
26	159	167	166
27	128	1	167
28	151	151	2
29	3	3	159
30	7	7	3
31	128	1	7
32	0	0	1
33			0

	92 cm	102 cm	112 cm
1	40	40	40
2	164	164	164
3	A	A	A
4	B	B	B
5	73	78	83
6	3	3	3
7	3	3	3
8	195	195	195
9	C	C	C
10	7	7	7
11	39	39	39
12	38	38	38
13	122	127	132
14	3	3	3
15	3	3	3
16	38	38	38
17	58	59	60
18	(3)	(3)	(3)
19	98	98	98
20	7	7	7
21	128	128	128
22	0	0	0

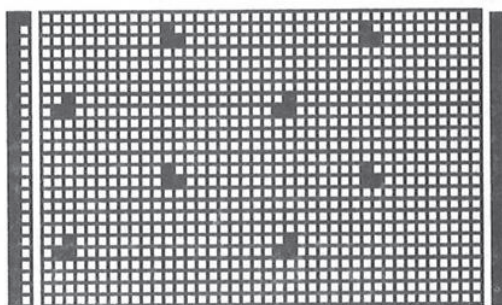


← BX 4.75 LX 4.75 → BX 4.75 ← BX 4.75

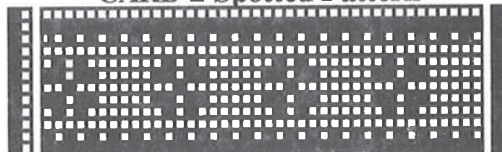




CARD 1, Main Pattern



CARD 2 Spotted Pattern



CARD 3 Collar Pattern

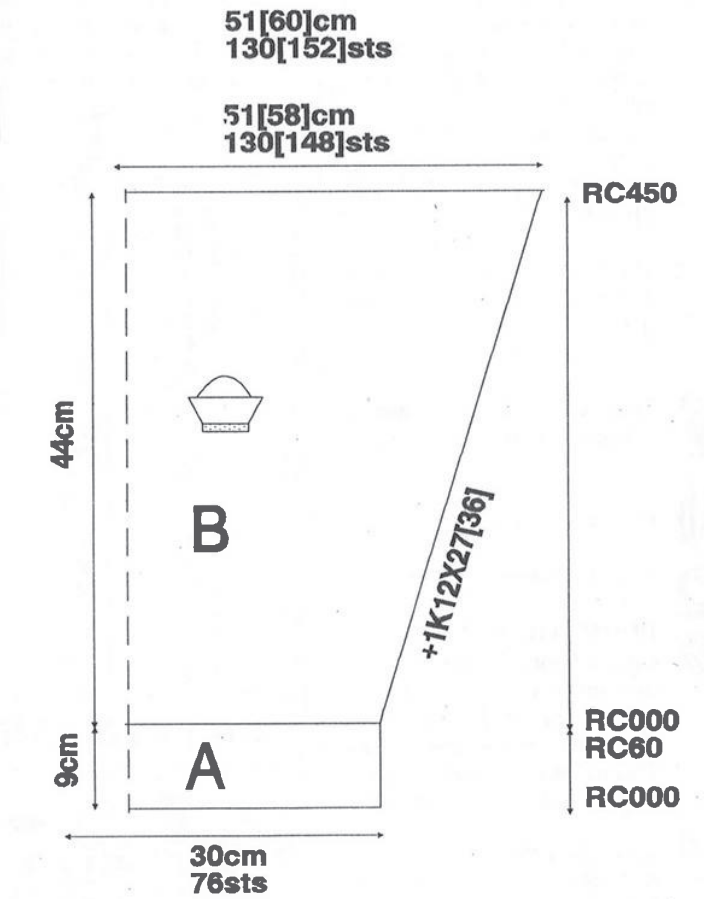
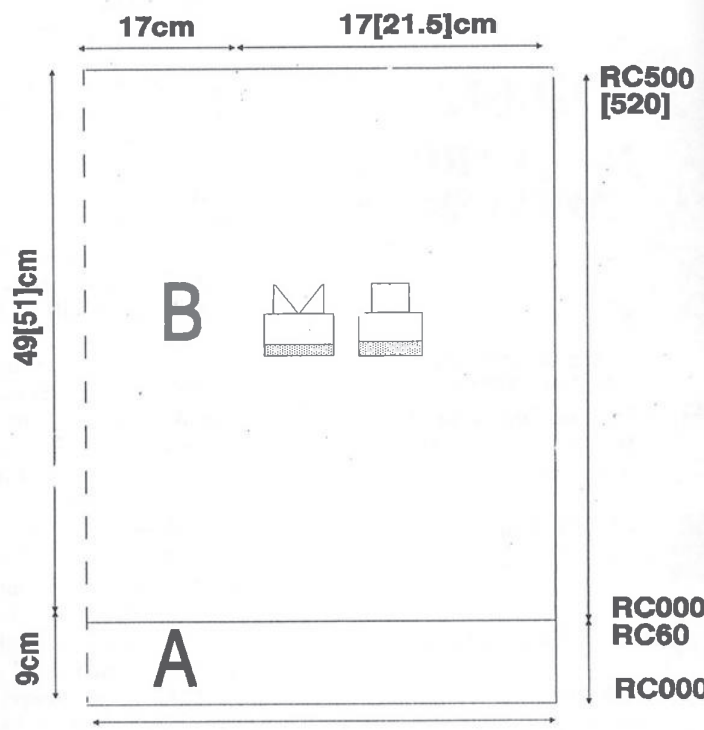
DUOMATIC DECO CARDS

Punch holes for black squares. Omit final blank row of each card completely. This row is for 6000 electronic programming only, and is not part of the pattern. Black & White column at left, and Black column at right apply to E6000 machines only, and are for electronic programming. Ignore these.

Locks & Deco setting for collar card as for main pattern. Knit through design once.

E6000

Collar Card is St Patt B. Set locks and console as for St Patt A. Knit through design once.





D20613

**Man's
Jacquard
Sweater**



5, 80, 6000



Betty Manwaring, England.



97[102:106]cm Chest.



108[112:116]cm Chest.



WORTH KNITTING 3 ply
100% acrylic approx 270
metres/100g. 1 cone Aran =
Col 1, 1 cone Black = Col 2.



40sts = 166mm 40Rs = 56mm
measured over jacquard.
40Rs rib = 92mm.



Jacquard from card(s) given *
Diags. 6000 Cast on 1. St Patt A
= Reader Patt given. Tech 183.



Page 4.



450g Size 106cm Chest.



2 ends Col 2 used or all ribs. 1
end Col 2 used for collar.
Garment K in jacquard
throughout, using 1 end Col 1
2Rs, & 1 end Col 2, 2Rs.
6000 & DUO patterns are
slightly different. 6000 pattern
appears in photograph.



A. CoCir 1X1 Col 2. Cast on 1.
K as chart.

B. Set for jacquard and St Patt
A as Diag. Fill all empty Ns
with purl loop from opp need-
les. K as chart.

C. Dec & K as chart.

D. Dec & K as chart. CoF.



A. As Back A.

B. As Back B.
C. As Back C.
D. Divide work. K Rt side first,
noting patt row number. Dec &
K as chart.
E. Dec & K as chart. CoF.
Return non working Ns to work
at Lt. Turn back to noted row
number. Repeat for Lt side as
above, reversing shapings.



A. As Back A.

B. As Back B. Inc & K as chart.

C. Dec & K as chart. CoF.



K without electronics. CoCir
1X1 Col 2 1 end 165 Ns. Handle
up. N/N SS3/3. K 24 Rs.

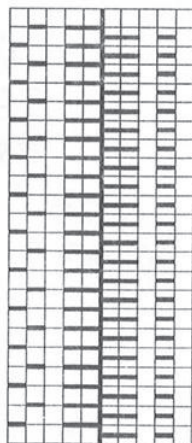
Push up all empty Ns. Lks
CX/CX SS 4/4 Black strippers
K 2 Rs. Lks GX/N SS 6/6. K 6
Rs.

Pull down yarn between beds.
Lks N/GX S/S 6/6 K 6 Rs. Lks
CX/CX WY K 4 Rs. Lks N/N
Handle down Orange strippers
SS 4/4 K several Rs & rel.



Block & steam all parts to size.
Steam tubular edges on collar
to set sts. Join shoulder seam at
Rt. Starting at Lt side, attach
one side of envelope on collar
backstitching through open
loops to outside of garment,
unravel WY as you go. Slip
stitch inside of envelope to in-
side, unravel yarn as you go.
Join Lt shoulder & collar seam.
Fold collar in half to inside, slip
stitch down. Sew in sleeves.
Join side & sleeve seams.

DIAGRAM 2



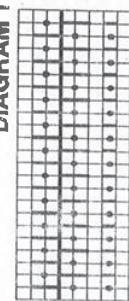
BX 4.75
LX 4.75



	97	102	106
	cm	cm	cm
1	101	101	101
2	161	161	161
3	A	A	A
4	B	B	B
5	135	140	146
6	108	112	116
7	(1)	(1)	(1)
8	195	195	195
9	C	C	C
10	7	7	7
11	7	7	7
12	38	38	38
13	135	140	146
14	96	100	104
15	(2)	(2)	(2)
16	30	30	30
17	65	66	66
18	(3)	(3)	(3)
19	105	106	106
20	7	7	7
21	1	2	1
22	169	169	169
23	162	153	161
24	155	162	162
25	7	146	146
26	159	7	7
27	190	160	161
28	155	190	190
29	0	155	157
30		0	0



DIAGRAM 1



FB PUSHERS 6000 ONLY

	97	102	10	97	102	1
	cm	cm	6cm	cm	cm	cm
1	101	101	101	101	101	06
2	161	161	161	161	161	101
3	A	A	A	A	A	161
4	B	B	B	B	B	A
5	135	140	146	5	70	73
6	108	112	116	6	28	29
7	(1)	(1)	(1)	7	(1)	(1)
8	195	195	195	8	195	195
9	C	C	C	9	C	C
10	7	7	7	10	7	7
11	7	7	7	11	5	5
12	38	38	38	12	38	38
13	135	140	146	13	105	108
14	96	100	104	14	42	43
15	(2)	(2)	(2)	15	(2)	(2)
16	30	30	30	16	40	41
17	65	66	66	17	62	63
18	(3)	(3)	(3)	18	(3)	(3)
19	234	235	235	19	110	108
20	7	7	7	20	5	4
21	1	2	1	21	169	177
22	169	169	169	22	153	161
23	162	153	161	23	145	162
24	155	162	162	24	191	191
25	7	146	146	25	131	132
26	159	7	7	26	3	4
27	191	160	161	27	191	191
28	155	191	191	28	131	132
29	128	155	157	29	131	132
30	70	128	128	30	188	188
31	177	70	70	31	129	179
32	178	177	177	32	153	177
33	179	178	178	33	169	0
34	155	179	179	34	0	0
35	7	164	164	35		
36	3	7	7			
37	0	2	3			
38		0	0			

THE KNIT CLINIC

George le Warré

There are several topics that always seem to arise when a group of Passap System knitters get together, and these, for many of them, cause problems. It is within the pages of the Knit Clinic, that I hope to be able to help knitters with some of the solutions to some of the most frequently appearing difficulties.

We should all remember of course, that there is very rarely only one solution to anything, and one of my favourite sayings is that there are as many "right" ways to do something as there are machine knitters. In other words, there is no "right" and "wrong" way. If the way you have found to do something works, does no damage, looks good, and suits you then it is right. Don't let anyone tell you otherwise!

The main thing we are going to look at this time, is mainly for the Duomatic knitters, which is only fair, because in this issue we have featured several things that really only apply to the electronic machines in the form of the pattern charts etc. Although many 6000 knitters may also possibly find this useful as background knowledge too.

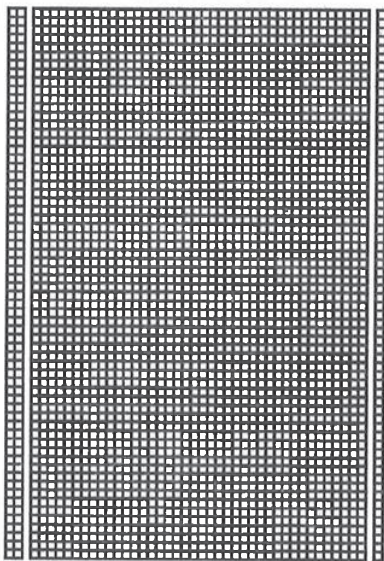
With the advent of the electronic machines, and their ability to make 3 and 4 colour patterns by superimposing cards, many knitters with the Duo and Deco are wanting to copy designs for their system. So here goes.

MAKING DECO CARDS FROM 6000 DESIGNS

First, a little explanation of 6000 cards, what they look like, and how they work, for those of you who are unfamiliar with these.

The basic card is 64 rows long, and 40 stitches wide. These are shown as squares on the cards, (not rectangles, as on cards for Japanese machines). In addition to these squares, there are a further 2 columns of 64 squares at the left, and one column at the right. Plus one more column numbered 1 to 64 on the left and right, that are set 5

squares lower than the double column.



The lower left & right single columns not shown here.

The 40 by 64 area of squares is the design area, and corresponds directly to that on the Deco cards, although the area on the blank Deco cards is 40 wide and only 48 long.

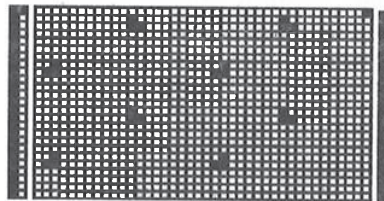
As you know, Deco cards may be physically joined together almost endlessly, to make a design card of any length. This is not so for the 6000 cards. They cannot be joined together to read into the machine, so are always used singly.

This is where the left and right hand columns come in. The left hand column of the two on the left, and the one on the right are used to tell the machine exactly how long the design is. They are filled in with the black pen to the length of the design, plus one row. This information is then read by the machine console, as the card is read into the electronic memory. When the reader comes to the end of these columns, and the scanner comes to a white square at the left and right, the console knows that it has reached the top of the design. These two columns are always filled in to the total length of the

design, *PLUS ONE EXTRA SQUARE* at the top, and this is the reason why when copying cards to Deco, it is necessary to omit the last row shown at the top of the design. It is not part of the design, but an electronic information row denoting length etc.

So far so good. We now know how the length of a design is determined. But what if the design is more than 64 rows long? As we said, with Deco cards we just join on more, and this cannot be done on 6000 cards.

This is what the right column of the left hand pair is for. This column also gives information to the console, and the main function that concerns us here, is additional length. By filling in the right column top square at the same level as the left side column, the information sent to the console is, *CONTINUATION*.



Card showing right column of pair filled in for CONTINUATION, & black square in top right of final row.

The electronics go onto hold, and allow the user to remove the current card and replace it with another, which continues the design. So again, almost any length may be read into the console, but in a different way than joining our Deco cards.

Once the design is completely in the memory, the cards are removed, and this is one of the main differences in the way the two systems read cards. The 6000 reads the card(s) all at one go, before knitting, and holds this in memory, sending one row at a time to the lock. The Deco reads one row at a time as you knit.

What about the single columns at the far left and right of the card? These

are simply marker columns, numbered 1 to 64, and are used in setting the card into the reader. When the row 1 is showing at the lower window of the console, then row 1 of the design is in the correct position to be read by the reader. So the correspond to the start row marking on the Deco cards.

One of the main advantages of the 6000 over the Duomatic system, as far as pattern cards is concerned, is that the design on the card does not have to be reproduced over the whole 40 stitch squares. The machine is capable of reading anything from 1 to 40 wide, then knitting this and repeating without the squares that have been left blank. Designs are always filled in at the left side, and blank areas left at the left side.

Now the Deco cannot do this. If you leave blank areas, then they knit as part of the pattern, it cannot omit squares during patterning. However, this need not present too much of a problem to our adaptation, because often we can just repeat the design again across the width, and sometimes length as well.

The 6000 needs only a single repeat of a pattern to knit an all over design, whereas on Deco, we need to fill in the complete width, and at least 36 rows long if we wish to join the card to knit continuously. So remembering this, we can see that if we take a design repeat from a 6000 card and place it as many times as necessary across the width, plus as many times as necessary in height to make more than 36 rows, we shall end up with the same pattern.

Obviously there are some width repeats that do not fit exactly into 40 stitches. The ones that do easily are 2, 4, 5, 8, 10, 20. If the basic design is not one of these, then you will need to make some adaptation.

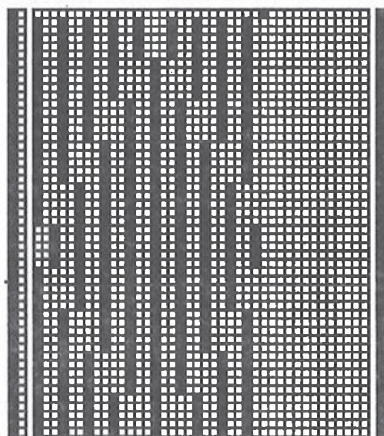
Possibly the easiest is to space the repeat wider to make it one of the above. Alternatively, make it narrower to fit into one of these.

Sometimes if the design is wider than 20 stitches, it is best to expand it on width and length, and place this new design in the centre of the card as a single repeat. Remember that the blank squares at each side of your new design will also knit, so count

these on both sides, and the total will be the area of plain colour between designs.

So how do we determine the pattern width repeat on a 6000 card?

Simple. If the design does not fill the whole width of the card, look at the last row at the top of the design, (the one we discussed earlier, that determines length of the design), and in this row you will find a single black square. This is placed in this row to tell the console how wide a design is. When it sees a black square within this row, it simply throws away anything that is at the right of the square in all the preceding rows it has read.



If there is no black square at any point in this row, then the repeat is 40 stitches, or more. But be careful here, as some designs are drawn to be mirrored on width, or one that has other card(s) added at the side to complete the design. The lack of a square in this row does not always mean that the repeat will be 40. If the design looks symmetrical, then it probably is complete. If it looks like half a pattern, then it is a mirror pattern, and the repeat will be possibly up to 80. So check first before you start to punch holes in the Deco card!

We have looked at fairly simple cards that involve either one or two colours. But what about cards that are designed to produce three or four colour patterns?

These really present no more difficulty than any other. In fact in some ways, they make the production of Deco cards for this work easier. We still

need to look for the points mentioned for width and height of pattern, but remember that to superimpose, the 6000 demands that ALL designs placed over each other must be the same width and height. So once you have decided upon the width and height on one card, there is no need to do this again on the rest.

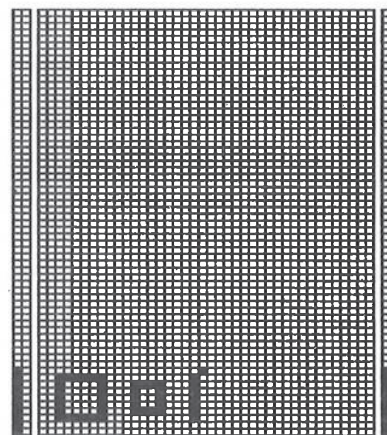
Three colour designs on the 6000 consist of two cards. Four colour ones, three cards. This is because the white areas on card 1 in the series will always knit the background colour. Once the first card has been read in, and the console told that the design is three of four colour, on all following cards, the white areas are considered as totally transparent, and not read. The black areas on card 1 are the second colour.

The black areas on card 2 are the third colour, and black areas on card 3, become the fourth colour, where appropriate.

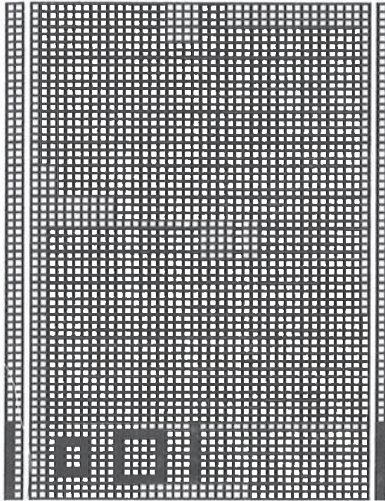
Put simply, on card 1 black and white areas are read. On any subsequent cards for three and four colour work, only black areas read.

If the second or third cards have black areas where there are also black areas on preceding cards, then these black areas take preference. In other words, they take the place of those already there.

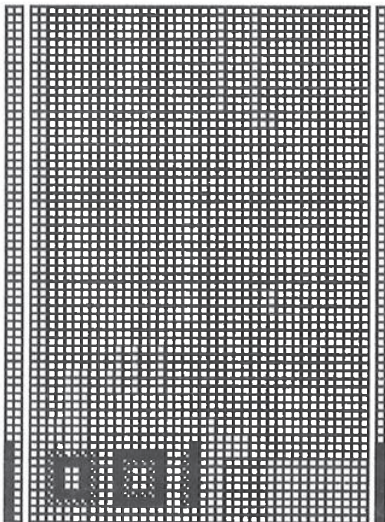
Let's look at a simple four colour card set for a very easy design.



CARD 2



The first thing we need to do, is decide what colour will come out where, and perhaps the easiest way to do this, is to place one on top of the other, and look at the result. This is how this one looks with this done.



Now it is just a case of remembering how the Deco copes with 3 and four colour designs. That is, a row on the card is programmed for every colour individually.

So we need some squared paper to note down these colour rows. Your design for Deco will be three times the length of the 6000 design for three colour work, and four times the length for four colour. So make sure your squared paper is large enough

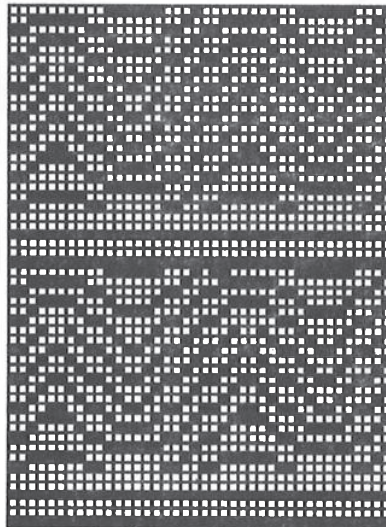
before you start. Or tape several pieces together on the back.

Use a pencil to mark out squares to start with, then if you do make errors, it will be easy to erase them. Only when the design is completed fill in with ink, so that you are ready to copy onto a blank Deco card.

Mark out the squares starting on the first row, for background colour. (White on the original). Next those for colour 2. (Black on card one). Place these in the second row of your paper. Now colour three in the third row, and colour 4 in the fourth row. You will have completed the first row of the 6000 cards, but filled in four rows on the Deco card. Continue in this way right through the design.

It is not a difficult task, but it does take time, and a little concentration. But patience will be rewarded in that you will have a nice new design at the end of the work.

The design shown as an example will look like this when programmed row for row.



Notice that on the original for the 6000 is only 20 stitches wide, and we have repeated this twice on width.

The design would have to be punched complete several more times to make a Deco card that would join up into a continuous loop before knitting. But from just this double repeat, you can see that the whole design, when separated out into single rows for each colour, makes an interesting all over design of it's own. With possibilities for use in alternative stitch

patterns, such as single bed fairisle, or slip stitch, and even double bed tuck. Several patterns from your newly created colour card!

LOCK SETTINGS & TECHNIQUES

Whilst we are on the subject of the 6000 and the Duomatic equivalents, perhaps I should mention some of the technique numbers, and their counterparts on the Duo. This is something that many knitters who have one or other machine, have been asking for.

The main difference on the front locks, is that the pattern selection dials on each machine have different letters. Their broad equivalents are as follows:

DUO	6000
AX	KX
BX	LX
CX	CX
DX	OX
EX	EX or KX
FX	KX
GX	GX
GX + Deco	SX
None	UX (future use)

Generally speaking, whenever the letter on the 6000 is one that is not the same as that on the Duo, electronics are used. This means that on the Duo the Deco will be necessary to create a pattern in the same or similar format.

To set up the pushers for a pattern on the 6000, it is necessary to pass the locks over the beds with no yarn or strippers for 2 rows, locks set to Front SX, Back GX. In this instance it is exactly the same as setting a pattern on the Duo, using GX both locks, and with the Deco attached set to 0. (Alternatively, pass the Deco over the bed alone). On both machines these are pattern setting operations.

Next time, we shall be looking at some of the lock settings on both machines for specific stitch patterns and types, as well as dealing with more general frequently encountered problem areas for all knitters. Plus a few hints that should make things easier for us all.

Hello again,

Once more there is an awful lot to cram into a small space, so I will get on with the "biz" straight away! This time it is all about seminars and tuition that is to be available this year.

SEMINARS

PASSAP UNIVERSITY

Passap University in the U.S.A. will soon be upon us, (May 24th, 25th, and 26th), and this year it is to be held in Reston, Virginia, which is very close to Washington D.C.

We have just received our programme of events here at the office, and it looks a very packed event, with so many interesting things to learn and see. I think knitters will be really spoilt for choice, and have a lot of heart searching to do, before deciding exactly which lectures they wish to take, and which they mind missing the least.

There are over 200 sessions to choose from, including lectures by such well known people as Susanna Lewis, Alicia Niles from Canada, Grace Benglsdof, Mary Ann Beckner, and Billie Hall, as well as all the Passap U.S.A. instructors and staff, who most of the knitters in the States have known and loved for a long time.

Also attending will be Miss Schnetzer and H el ene Napaul from the Madag factory in Switzerland.

CREATION 6 computer design software, developed specifically for the 6000 electronic machines, will be shown by Miss Schnetzer, the innovator of this new product. The Passap University brochure says that this equipment makes knitting even easier, as the computer is capable of sending information direct to the console, making it possible to knit without drawing pattern cards. So it will almost be worth attending the University just to see this.

And before all you knitters outside the U.S.A. set pen to paper, or pick up the 'phone, to ask when you will see the product in your country, the answer is I don't know. What I do

know, is that this will be the first public showing of Creation 6, and that it should be available for purchase later in 1991.

So please don't plague your local importer or dealer for information on availability. Remember that this is more by way of a preview of the product, and it is after all, only fair that this is shown for the first time at Passap University, because this is the biggest all-Passap event in the world, and Passap U.S.A. is the daughter company of Madag Switzerland.

The University fee is \$225 plus hotel. Details from: **Passap University 1991, 271 West 2950 South, Salt Lake City, Utah 84115, U.S.A.**

gather that also there are plans to make some of the practical teaching rooms available during breaks, with at least one of the lecturers on hand to give help and advice to anyone who wishes.

Of course the big advantage is that you are not expected to bring your machine along with you. Everything is provided, including yarns etc.

The whole weekend will also be accompanied by a course book, that is included, and this will contain all the seminar lectures and information, printed and bound into one volume for easy reference later.

There will also be on hand a very small number of selected dealers who will be able to provide machine acces-

sories, books, magazines, yarns and so forth. But please remember that this is NOT a selling exhibition. The main aim is tuition and knowledge. The dealers attending will only be there to provide you with sales backup, should you require it, and in a separate area of the hotel, so as to make more teaching space in the lecture rooms.

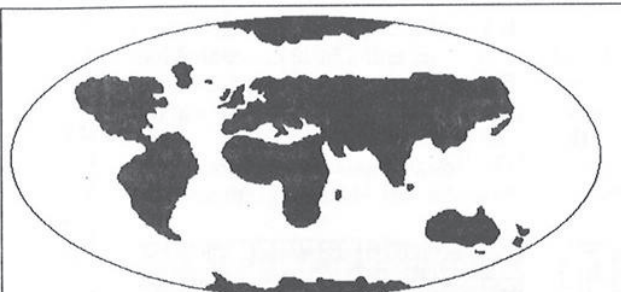
The whole thing looks very promising and interesting, and the biggest Passap System event yet held in the

U.K. So why not send now for details to:-

**Susan Loader
(1991 Seminar),
Duet Magazine,
7 Flambard Road,**

Poole, Dorset, England, BH14 8SU.
Please remember to enclose a large stamped self addressed envelope, and Susan will be please to send you a brochure.

Yet again the space has beaten me. I shall have to have a word with George and tell him that one page is never enough for me. There are always more items to talk about than space allows. In the meantime, remember to keep an eye on your local clubs for more information on lectures, books, yarns, etc. They are always a good source of information.



NEWS & AROUND

with
Heather Jonson

THE PASSAP SYSTEM EXPERIENCE 1991

Once again Duet International Magazine will be hosting this event. This year on October 26th and 27th, Saturday and Sunday, and is in response to the demands of the participants of the seminar last year.

The tuition venue has been changed to much larger premises, with many more lecture rooms and facilities, and this year registration will be followed by a reception.

The highlight of the Saturday evening is to be a professional fashion show, which will be followed by a fashion show for seminar participants. Giving them an opportunity to show their own garments and skills, if they wish.

As well as a new tuition venue, there are new lectures, with many new lecturers and topics, and a great deal of "hands on" tuition will be included. I



D20610
Ladies Suit



Lise Andrew, England.



92[97:102:112]cm Bust
87[92:97:102]cm Hips.



104[109:114:124]cm Bust
92[97:102:107]cm Hips
Skirt length 72cm.



BONNIES French Crepe.
89% acrylic 11% polyamide
2 X 500g cones Shade F25
(Purple) = Col 1, 1 X 500g
cone Shade F8 (Lilac) = Col
2. 1248 metres = 100g.



TOP 40sts = 146mm, 40Rs =
58mm, measured over jac-
quard. 40Rs rib = 80mm.
SKIRT 40sts = 131mm, 40Rs
= 66mm, measured over K/K.



Top Jacquard from card(s)
given. *Cast on 4 St Patt A Tech*
183. & card. **Skirt.** K/K *Cast on*
2 St Patt A Tech 102. Both from
Diags & charts.



Page 4.



Top 475g Skirt 530g. Size 92cm



The top has a cut & sew neck-
line. The skirt contains no ac-
tual shaping, but a waisted
shape is produced by the
change in needle set up.



A. CoCir as Diag 1, 2X23 ends
Col 1. K as chart.
B. All Ns to WP. K 2Rs CX/CX
1R N/N. Set for st patt as Diag
2. 2 ends Col 1, 2 ends Col 2



K as chart.
C. CoF as chart. Cont K to end
of C. CoF.



A. As Back & Front A.
B. As Back & Front B. K and
inc as chart. CoF.

K Back & Front. Join Rt
shoulder seam. Make cut neck-
line 10cm deep on front & 2cm
deep on back, width as shown
on chart. CoCir K/K 2 ends Col
1. SS2.5/2.5 Lks N/N K 140Rs.
Lks GX/N SS 5 Black strippers
K 8Rs. Lks N/GX SS 5 Black
strippers K 8Rs. Lks CX/CX
SS 5/5 WY Black strippers K
4Rs. Lks N/N Orange strippers
K several Rs & rel.

Steam press st st Rs only to set
sts. Attach cowl collar back-
stitching through open loops to
outside of garment, unravelling
WY as you go. Slip stitch
second side of envelope to in-
side, enclosing cut edges.



Join second shoulder seam and
collar seam. Sew in sleeves.
Join side & sleeve seam. Give
light steaming.



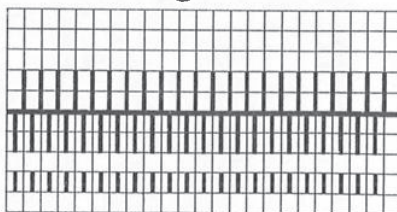
KNIT 2 PANELS

A. CoCir K/K as Diag 3. *Cast*
on 2. 3 ends Col 1. K as chart.
B. Handle up trans sts as Diag
4. K as chart & Diag.
C. Trans sts to BB. SS 5.5 Lks
N/GX. K as chart CoF.



Block & steam to size. Join side
seams. Fold waistband in half
to inside & slip stitch down
enclosing waistband elastic.

Diagram 3



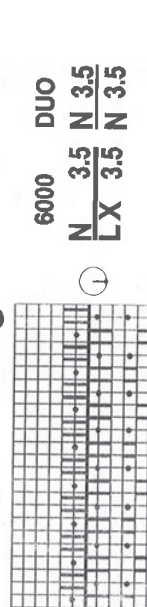
FB PUSHERS 6000 ONLY



N 3.75
LX 3.75

N 3.75
N 3.75

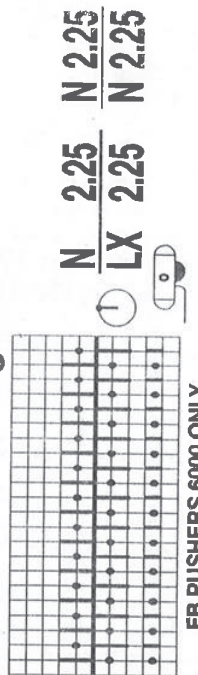
Diag 1



Diag 2



Diagram 4

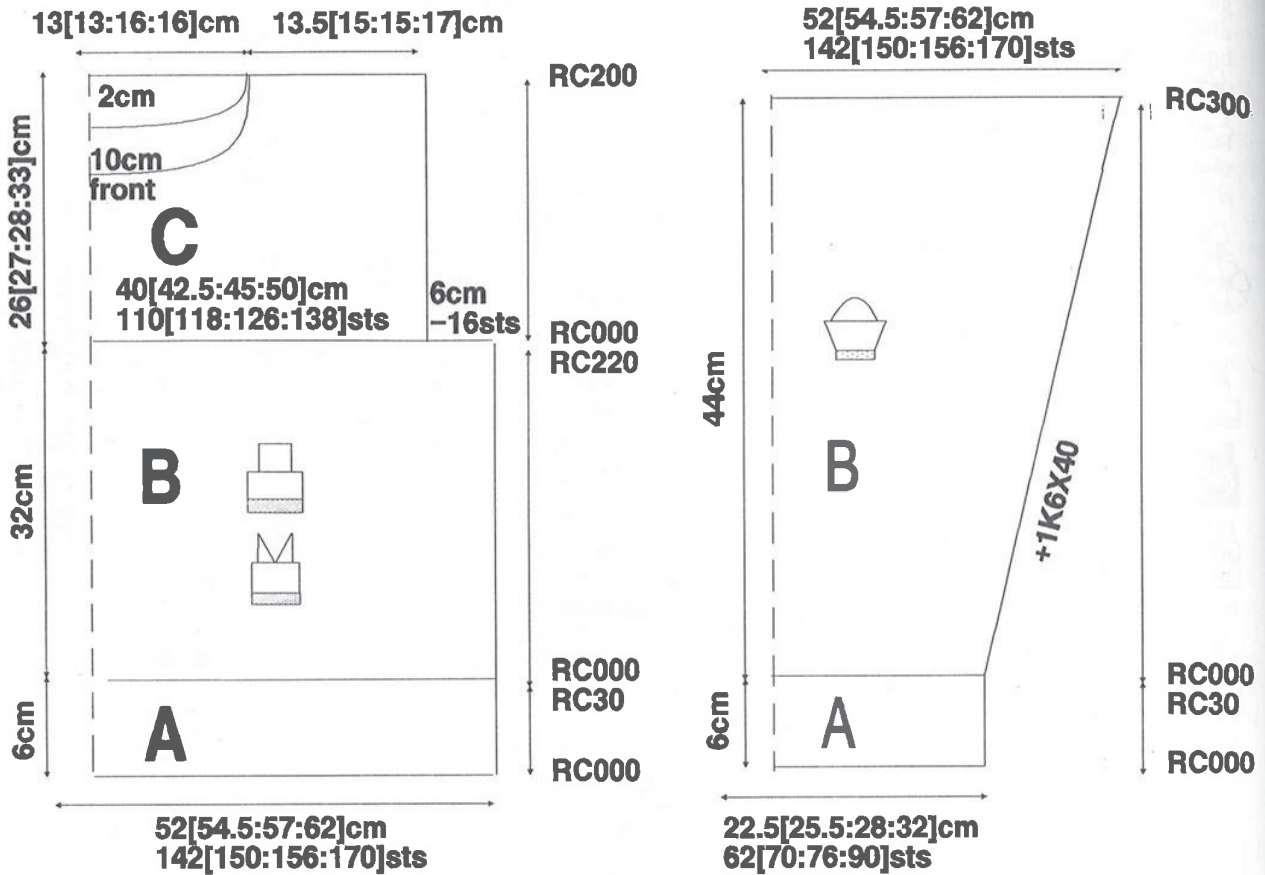


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LERWICK, SHETLAND



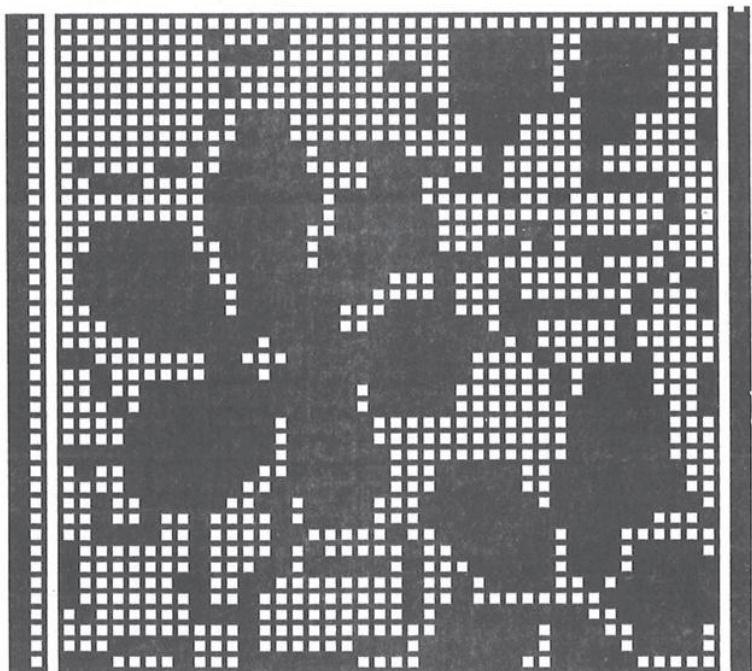
STITCH PATTERN CARD

The jacquard stitch pattern shown in the photograph is from Deco Card 66.

The card shown at right is a free adaptation of this original design, and whilst overall it is very similar, will not give the pattern exactly as shown.

6000 users use this card, and draw onto a blank reader sheet.

Note that Duomatic users may use this version, or the original Card Number 66. If you do choose to use this card, then remember to omit the final row shown at the top of this pattern card from your Deco card, when you punch out the pattern.





D20610 by
Lise Andrew, England



D20614 by
Lynda Wells, U.S.A.



LJai Incorporated, U.S.A.



Small, Medium, Large.



BRAMWELL Duomagic
100% acrylic, 270 metres per
100g. 1 X 500g Aran = Col 1.

PLUS:

1.5 metres 150cm wide purchased woven medium to heavy weight fabric for sleeves etc. 2 metres 150cm wide lining fabric. Interfacing. 6 Buttons. Stretch & sew paper pattern No. 378 from:-
LJai Inc. 6220 Carmen Blvd., Las Vegas, NV 89108, U.S.A. (write for details to this address).



40sts = 74mm 40Rs = 62mm measured over pattern after steaming.



Double bed slip patterns with card given. Cast on 8. St Patt A from card. Tech 252.



Page 4.



Knitted fabric only 400g.



This is one of an occasional series of patterns that we shall be publishing, that incorporate knit fabric made on the machine, & purchased fabrics. The paper patterns are specifically designed with machine knits in mind, for this purpose.

6000 Programming

Cast on 8. Sta Patt A - • - ENT
Read In Card

St Patt B - • - ENT
Read in card
Continue to ADD
ALTER - ENT
ENLARGE POSITION - ENT
TO R/L - 20 - ENT
Continue to end of Prog.

DUOMATIC

Start knitting with card reader at central position. at RC80, *move reader 20Ns to RIGHT K 80 more rows*. Repeat from * to * TWICE more.

F

KNIT 2 SECTIONS

A. CoCir K/K over all Ns Col 1. Black strippers, Lks CX/CX SS 4/4 K as chart. K final row N/N.

B. *Set for St Patt A. K as chart 80 Rs.

Duo Move reader as described 6000 Select St Patt B. K as chart*.

Repeat from * to * until RC 480.

C. Lks N/NK as chart. Release.

RIBBING

CoCir 1X1 60 Ns. 2 ends Col 1 Lks N/N SS 4/4. K to RC160. CoF.



CONSTRUCTION

Cut Front & Back from knitted fabric.

NOTE Be very sure your grainline is perfectly straight before cutting. Cut only one thickness at a time. An overlocker or serger with a differential feed, will make construction much easier, though not essential.

Cut sleeves, bands & collar from woven fabric. Cut sleeves, fronts & back from lining fabric.

1. Sew shoulder darts into all 4 sleeve sections.
2. Sew centre back seam on fabric and lining pieces. Press.
3. Sew knit back to fabric, matching notches. Sew with the knit side down & fabric on the top.
4. Sew front knit sections to corresponding fabric sections, matching notches & in the same way as in 3.
5. Sew lining back sections together. Press.
6. Sew lining front sections together. Press.

7. Sew lining side sections together. Press.

8. Feed elastic through the open tube of border. Make sure both ends are open. Pull elastic through just enough to slightly pull in. Pin in place.

9. Sew side seams on the garment. It may be necessary to sew the knit part twice.

10. Top stitch 4mm around yoke., pushing the seam towards the fabric, away from the knitting. Press seam carefully so as not to "kill" the fabric.

11. Pin baste front band, front & lining. Be careful not to warp the knit. Sew all three layers together.

12. Sew sides of collar together. Pin right side of collar to right side of fabric, ending each side at the fold of the front bands. Sew in place through one thickness of collar, the neck edge of fabric and lining. Clip, trim, turn and press.

13. Turn bands under at fold line. Press. Turn raw edge under to match width and press. Top stitch 4mm on both sides of bands. Sew in the same direction - top to bottom.

14. Fold collar edge under and hand stitch in place.

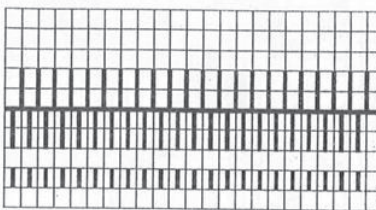
15. Fold ribbing section in half widthways and cut.

Measure cuff to wrist and cut ribbing to fit, leaving 1cm for seam allowance. Sew cuff side seams making tube. Fold tube in half, and sew to fabric sleeve edge.

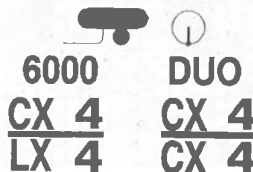
16. Hand stitch lower edge of sleeve lining, covering raw edges on knit.

17. Mark front bands for buttonhole and button positions. Make buttonholes. Sew on buttons to opposite band to match.

18. Give light steaming to knit fabric, and press remainder. Take care not to press the knit, as this will "kill" it.



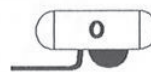
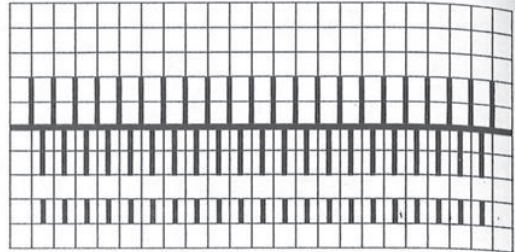
FB PUSHERS 6000 ONLY






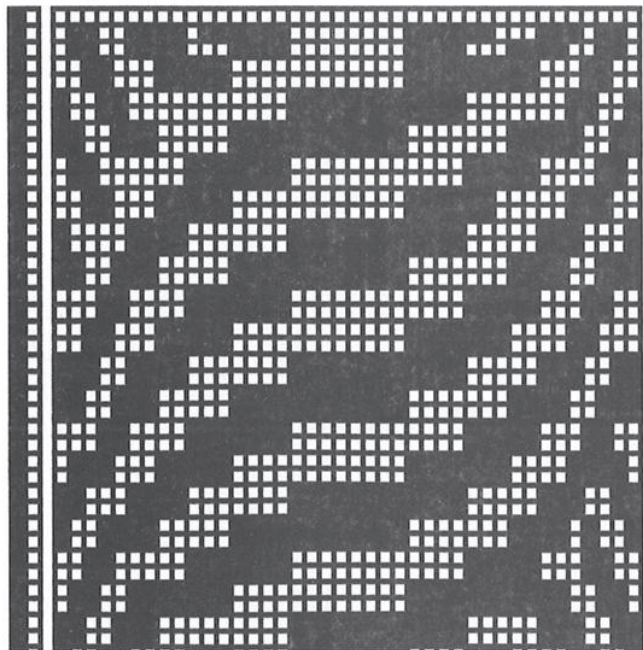
33.5cm
180sts

RC12
RC000
RC480



6000		DUO
<u>N 4.5</u>		<u>N 4.5</u>
LX 2.25		BX 2.25

RC000
RC36
RC000



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POOLE, Dorset, England, BH14 8SU.**

LACE WITHOUT COMPUTER OR DECO

by

Pat Cook

Hello everybody,

My name is Pat Cook. George has asked me to help you get to know more about your machines. I have found that many of you, especially 6000 owners, are unaware of what your machine can do manually, in addition to working with the Console, without even turning on the computer or using the Deco. In this article I would like to show you some very pretty lace effects that have a multitude of uses.

The yarn I have used in the samples is Christiana Wools 2/30's. I found this to be ideal as it contains a percentage of wool which gives it body and can be steamed and pressed if necessary.

CIRCULAR LACE MOTIF

These can be joined together to make table or side-board mats, shawls, arm covers for chairs, settee back covers, tablecloths, bed spreads, edgings for curtains or shawls, etc. I expect you will be able to think of many more uses than these yourself. I have used them as part of a jumper the pattern for which can be found in "The Pat Cook Collection for Duo 80 MACHINES". The jumper can be easily made on the 6000 machine by substituting KX for AX on the front lock. No computer is necessary for any of the garment.

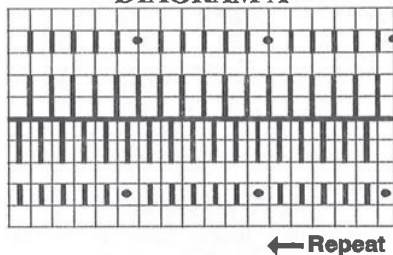
Thread the machine with 2 strands of 2/30's through the same feed. It is best to use 2 separate cones going through the same feed, than to wind 2 strands together as this latter method can have problems if the strands are not wound up on an industrial cone winder.

HANDLE DOWN.

ORANGE STRIPPERS

Bring 48 needles each bed to WP.

Arrange needles and pushers as
DIAGRAM A



STEP 1

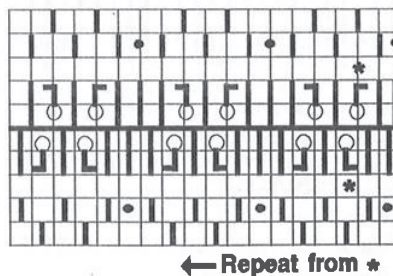
SS 3 and 2/2 on both locks.
N/N cast on by knitting 2 rows (do not rack). This will form the picot edge of the lace.

STEP 2

SS 4 and 1/2 on both locks.
Check that pushers are set as diagram A.
Duo 80 - AX/AX
6000 - AX on back lock, KX on front lock.
Knit 2 rows.

STEP 3

Transfer stitches as
DIAGRAM B



- transfer st to N at left & put empty N to NWP

- transfer st to N at right & put empty N to NWP

NOTE - for the 6000 only, take the NWP pushers right down as far as possible on the front bed (out of WP).
SS 4/4
Duo 80 - AX/AX

6000 - AX on back lock, KX on front lock.
Knit 2 rows.

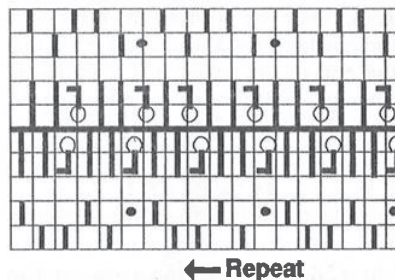
STEP 4

Reset the pushers and needles as
DIAGRAM A.
SS 4/4
Duo 80 - AX/AX
6000 - AX on back lock, KX on front lock.
Knit 2 rows.
N/N K2 rows.

STEP 5

Transfer stitches as

DIAGRAM C



- transfer st to N at left & put empty N to NWP

- transfer st to N at right & put empty N to NWP

NOTE - for the 6000 only, take the NWP pushers right down as far as possible on the front bed (to NWP).
Stitch Size 4/4
*Duo 80 - AX/AX
6000 - AX on back lock, KX on front lock.
Knit 4 rows.

Turn racking handle 1 whole turn
ANTI-CLOCKWISE

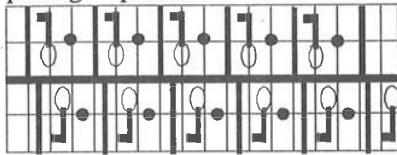
N/N knit 2 rows.*

Turn the racking handle 1 whole turn
CLOCKWISE.

Repeat once more from * to * which is knitting the last 6 rows again but missing out the last racking movement clockwise.

STEP 6

Transfer stitches as **DIAGRAM D** putting all pushers to NWP



← Repeat

SS 3 and 1/2 on both locks.
N/N knit 1 row. (locks at left)
Rack 1 whole turn **CLOCKWISE**
N/N knit 7 rows (locks at right)

THREAD OFF as follows--

Push every needle with a stitch on it forward, one at a time, until the stitch just goes behind the latch of the needle. Break the yarn leaving a fairly short end approximately 10cm long. Knit each stitch through by hand by placing the yarn into the hook of the needle and pulling the needle down until the latch closes and pulls the yarn through the stitch. Then with the hook end of the Orange Tool, place the point of the hook into the newly formed stitch and pull until the end of the yarn pulls completely through. Repeat until the yarn is pulled through all the stitches.

TO FINISH

Sew the two edges together carefully, I use mattress stitch, starting at the outer edge working down towards the centre. When you reach the ladder effect centre section, join leaving strands to mimic the other ladder segments. Then draw up the centre tightly and fasten off.

SMALL LACE MOTIF

to fit between the large motifs - arrange 8 needles each bed with 2 nwp needles between as

DIAGRAM E.

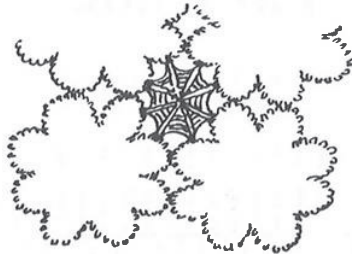


HANDLE DOWN.
ORANGE STRIPPERS.
2 STRANDS 2/30's.
SS 3 and 1/2 on both locks.
N/N knit 6 rows. Thread off

TO FINISH

Join by making a ladder effect to mimic the other segments. Draw the centre up tightly and secure. Sew into place as shown in

DIAGRAM F

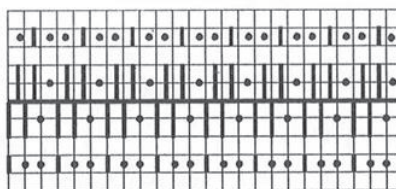


LACE FABRIC

This makes lovely jumpers or the centre parts of shawls, blankets, etc. It can be knitted with a single strand of 2/30's for a very fine fabric using a SS around 3 and 1/2 on each lock, or with 2 strands for a firmer fabric at SS 4 and 1/2 or 5 on each lock. A useful feature is that the fabric is exactly the same on both sides. This means if you are knitting a jacket or cardigan all the shaping can be done at the right on both fronts.

Bring the required number of needles to WP on both beds and arrange as

DIAGRAM G



HANDLE DOWN.
ORANGE STRIPPERS
N/N rack one whole turn **ANTI-CLOCKWISE**.

Knit 1 row.
Rack one whole turn **CLOCKWISE**.
Knit 1 row. RC at 000

Cast on complete.
Rack one turn **ANTI-CLOCKWISE**
***DUO 80 AX/AX**

6000 AX on back lock, KX on front lock.

Knit 4 rows. Rack one turn **ANTI-CLOCKWISE**.

N/N knit 2 rows.
DUO 80 AX/AX

6000 AX on back lock, KX on front lock.

Knit 4 rows. Rack one turn **ANTI-CLOCKWISE**.

N/N knit 2 rows.*

Repeat from * to *.

NOTES ON SHAPING

When increasing or decreasing using the lace pattern I include the out of work needles. If the next increase involves the 2 out of work needles (one on each bed), I bring them up into WP and transfer the edge stitches onto them and then fill the newly emptied needles with loops from the knitting. When the next increase arrives I then move out the edge stitches (one back and one front) one place and put the empty needles back to NWP to keep the pattern correct. This method gives a fairly even and neat edge. The same method of using the out of work needles works equally well for decreasing. Remember to bring out pushers to keep the pattern correct where necessary when increasing and to put them back into the rail when decreasing.

COLLAR with LACE EDGING

The edging gives a lovely frilly effect at the bottom of a cuff and works particularly well with 2x2 rib. Just knit the edging and then transfer the stitches for 2x2 rib (2 needles up and one needle down in repeat). Here I have used it on a collar. for a larger neck just add extra stitches but the number must divide by 6. Remember that with this type of collar there is no rib to fill in the neck opening therefore the neck opening should be made higher and smaller than normal.

Bring 96 needles to WP on both beds and arrange pushers as **DIAGRAM A** (Circular Lace Motif). Knit as circular lace motif up to and including **STEP 4**. (Edging complete).

N/N. **CAST OFF** 6 stitches each bed at the beginning of the next 2 rows. Remember to put the pushers of the castoff stitches back into the rail or for 6000 knitters, into rail on back bed and down as far as they will go on the front bed.

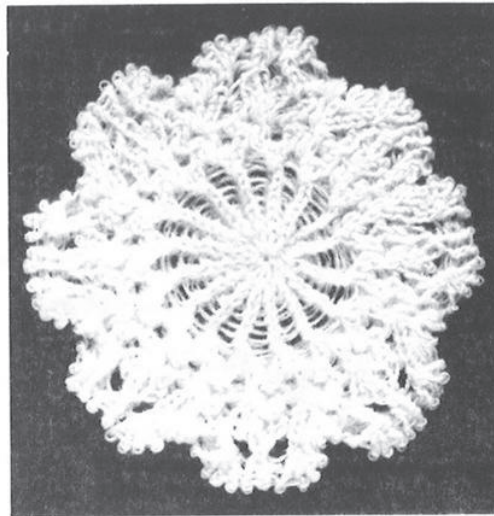
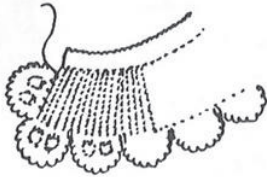
N/N. SS still 3 and 1/2 on both locks,
knit 4 rows.

N/N. SS3/3, K4 rows.

CX/CX. BLACK STRIPPERS. SS
5/5, knit RC6.

Change to WY and knit RC12.
Release from machine. Sew the cast
off stitches of the edging at each side
of collar to the side edges of collar see

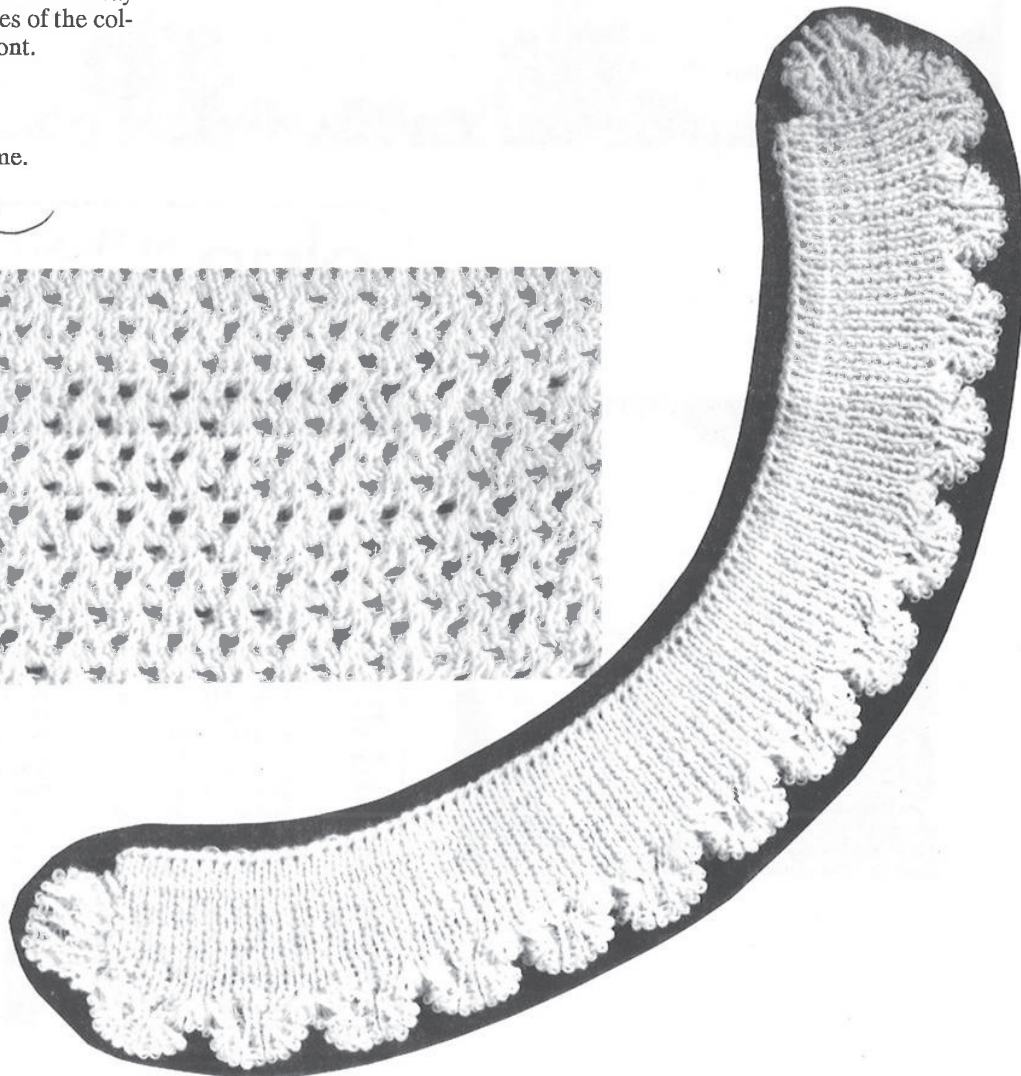
DIAGRAM H.

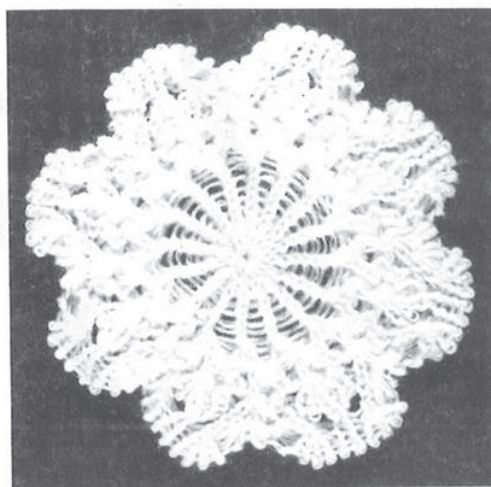
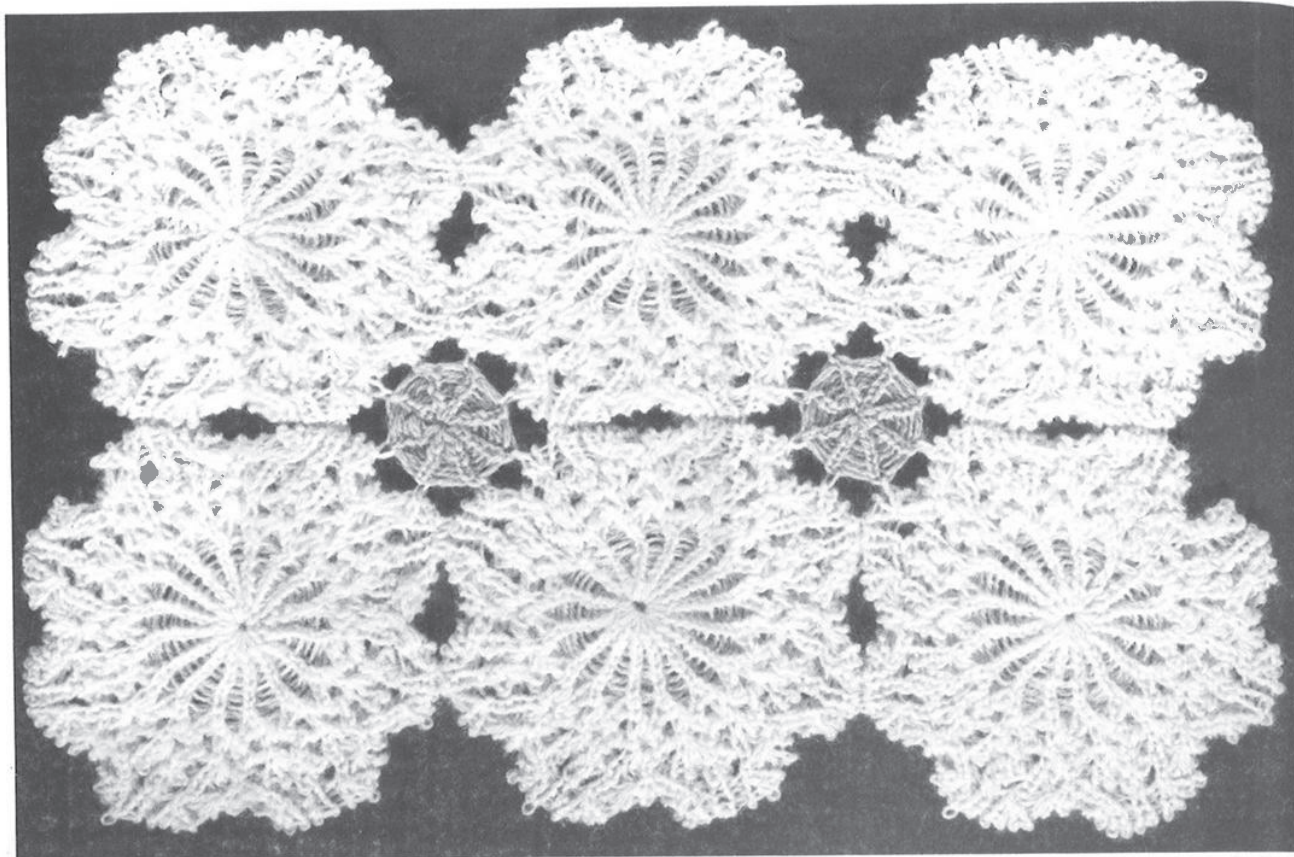


Back stitch the neck edge between
the circular rows in the usual way
making the two side edges of the col-
lar meet at the centre front.

Well that's all for this time.
Have fun - -

Pat





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KNITTING MACHINES

NICE 'N' EASY

This is a feature that we intend to continue in most future issues of the magazine.

At first sight, it may appear that it is only intended for beginners, but this is not really so. It is for all knitters, and the basic principle is to show that designing and creating a garment, or other knitted item, need never be a laborious task!

We shall be taking basic shapes, stitch patterns, and yarns etc., and using them to create something "different" from an idea that is quite basic in concept. Along the way, there may be new techniques or ideas to learn and use. So it is very much a "learn as you knit" process. Often the least painful way of practicing something. Sometimes the garments will be specially prepared for this section, but at times, such as in this issue, items lend themselves to the concept.

We have taken basic squares or rectangles as the basis for Nice 'n' Easy in this issue, and the Baby Blanket D20611, and the Afghan D20603 are nothing more than knitted rectangles. It is what has been done with the actual stitch construction that makes these items what they are. You could of course choose to make them in different patterns, but using the ones here will actually teach you something as you go.

First the Baby Blanket. The construction of this item is a double bed tuck stitch. The back bed knitting plain with the lock on N throughout. The pattern is made by the front lock patterning, either on KX for 6000 machines, or AX and the Deco on Duomatics.

Nothing different so far, you may think. But what is clever, is that as well as knitting the start and end of the fabric as a border pattern tuck, the side borders are knitted at the same time in border pattern, by careful placement of the pattern.

On 6000 machines the repeat is 38 stitches. The Duomatic version is of course 40 stitches, and in both cases, the border stitch pattern is at each

side. If you start this pattern in the centre of the bed, the repeats will fall at a regular number of needles on each side. In the case of the Duomatic at needle 21, 61 on each side. So if you choose to knit on needles where the repeat falls, then the edge border will be exactly the same as the start and finish pattern. It is the same on 6000 machines, but the repeat is slightly less.

This is an easy project to learn this trick of repeats at edges of the knitting. Where this can really come into it's own, is for matching side seams in skirts and jackets of course. If you calculate the pattern repeat across the bed, it is often possible to make the garment parts fit within these, so the edges will match. If the repeat and the number of needles do not match up, then it is sometimes best to pattern out to the last complete repeat within the needles working, and knit the end number of needles both sides without pattern. In other words set it as a motif. (Use positioning pins on the Duomatic). This works on all pattern types of course, not only for tuck.

The Afghan is using this method of border patterning too, but more important, if you knit this on the 6000 machine, you will certainly learn an awful lot about programming the console with many stitch patterns, position, alter, add, etc.

For Duomatic knitters, this is a wonderful exercise in hand selection of pushers for patterning. Before the Passap Jac and Deco appeared, hand selection was one of the main ways of creating patterning on Duomatics, and many of us spent many happy, (and sometimes frustrating), hours arranging pushers for some of the most complex patterns.

If you have the 6000, you can also use this for hand selection by knitting on the back bed with lock set to AX and the front lock on N.

It is a shame to let hand selection fall into disuse, just because we now have automatic patterning devices, as sometimes this comes in very useful, and you can always hand select back bed pushers on both machines, whilst

patterning automatically on the front bed. This can give some really stupendous effects.

Other garments in this issue that utilize rectangle knitting are D20604, the Cat & Mouse Sweater, D20612, the Swan Sweater, and D20610, the Ladies Suit.

All the sweaters are back and front rectangles, started with a rib. The sleeves are the next progression from a rectangle, containing the simplest shaping. Increasing up the length to produce a trapezoid shape, as it is called.

The suit skirt is once again two panels of straight rectangles, but when removed from the machine, both panels have shape. The trick here is that the shape is created by stitch pattern, and not by increasing or decreasing. Instead, to make the waist area, the designer has transferred from knitting on every needle, to knitting in 1X1 setting, which will automatically knit a narrower width.

In some garments, shape is made by changing stitch sizes, and this trick is often seen on sleeves that are knitted from the top down, decreasing stitch size over the length to give a shaped sleeve.

Pattern variation depends on many things, and in this series we hope to give knitters an insight into some of them. Varying shapes, patterns, needle settings, etc., etc., within the knitting. As well as give you several "tricks of the trade" to make design and creation easier.

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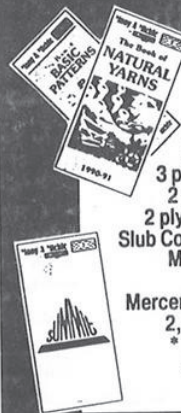
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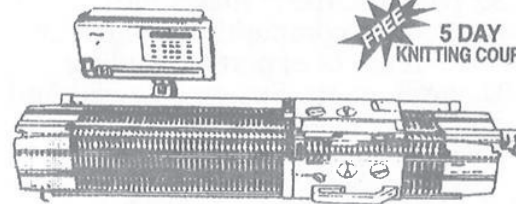
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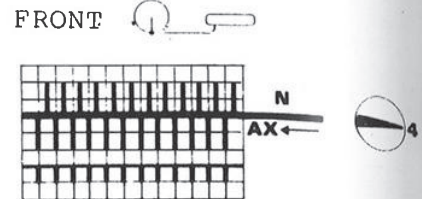
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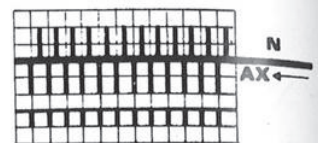
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Ribs worked with 2 strands of Duette.
Pattern worked in 2 rows Magicolor, 2 rows Duette single strand.
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BACK : Push 82(86,98,102,106) Ns set up for full needle rib, work 30 rows s.s. 4/4 Duette double. Remove one strand of duette and commence pattern. RC000: Knit to RC 232. SHAPE ARMHOLE : Dec 1 st both ends of next and ev. foll 4th row 9 times in all, knit to RC 364(372,384,396,400,408) SHAPE SHOULDER : cast off 19(20,23,25,27,28) sts beg of next 2 rows, change to WY knit a few rows on rem 26(28,28,30,30,32) and release from machine.

FRONT : Work welt as back. Remove 1 strand of duette and set up for front pattern by setting motif pins on RHS of machine at sts 1-41(1-41,1-41,5-45-5.45-5-45) and beyond right hand edge of work. Fit Deco holder with arrows under motif pins. Work as back, marking depth of front neck on RC 316(324,332,344,344,348) over centre 6 sts continue as back.

SLEEVES : Push 40(42,44,44,46,46) Ns to WP knit welt as back. RC000: knit in pattern as back increasing 1 st each end of RC 24(24,24,23,23,23) and ev. foll 12th row to 74(80,84,90,94,98) sts. Knit to RC 280(288,296,300,308,316) SHAPE SLEEVE TOP : Dec 1 st both ends of next and ev. foll 4th row 9 times in all. Cast off rem sts.

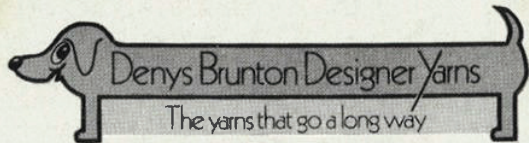
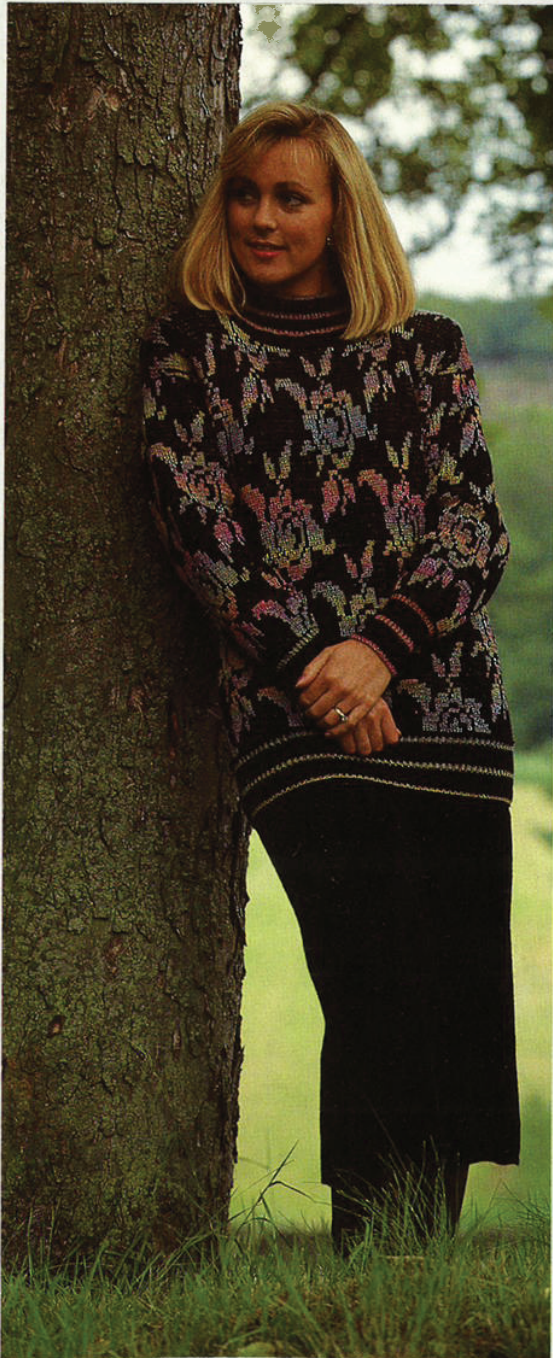
NECKBAND : Work in Magicolor. Push 134(136,138,140,142,144) to WP on both beds arrange for 1 x 1 rib. Work racked cast on. K 15 rows N/N ss 4/4, 1 row 6/6 15 rows 4/4. Bring up all in between needles, handle down K2 rows N/N s.s. 5/5, using 1 strand of Duette work 6 rows GX/N, 6 rows N/GX ss 5/5. Take off on waste yarn.

MAKING UP : Join shoulder seams, work a cut and sew neckline to marked depth. Stitch neckband into position first onto right sides backstitching through open loops of last row knitted in MY, then slip st open loops down on wrong side completely enclosing neck.

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