Schmetterlinge **Butterflies**

10 Prickings with Detailed Descriptions by Ulrike Löhr Translated into English by Sally C. Barry

Page 3:

Blue Butterfly

A small blue butterfly flitters, blown by the wind, a mother-of-pearl shower, glitters, shimmers, passes. As with momentary glances, as in fluttering past, I saw happiness beckon me, glittering, shimmering, passing.

Hermann Hesse

For my sister, the best sister of all.

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Page 4:

Ten Butterflies and Moths – designs, text, diagrams and photographs: Ulrike Löhr.

Introduction: This booklet is intended for skilled bobbin lacemakers, for deepening their knowledge of various techniques and grounds, some of which have not been previously described. Many of the procedures I have developed are unusual in bobbin lacemaking and can lead to surprising solutions in places which have always been unsatisfactory until now. In any case, it is hoped that they will also contribute to expanding your technical possibilities and perhaps also to encouraging your joy in improvisation. Very important: I would strongly advise you to make Butterfly A first, even if your heart throbs for a different one; you will then be able to try out the most important techniques on this one without strain. (Butterflies A-D are described in special detail.) Apart from that, I have tried to design the butterflies to be quite different from each other, not only visually, but also technically; each one has different refinements. The endless technical possibilities of bobbin lace are what continue to fascinate me, and I hope to be able to find or awake your enthusiasm for them, as well.

The prickings can naturally also be worked just as well with traditional Honiton techniques.

About the thread: I used DMC "Broder Machine" cotton No. 50 (dD16). Threads of comparable size: Mimosa No. 90 / Brok No. 60/2 / Egyptian Cotton 60. If you do not have the

courage to use fine thread, you can work on the technical diagram with approx. dD20: Bockens No. 90/2 linen / Mimosa No. 60/2 cotton / Fresia No. 100 linen / FFR:Bouc No. 100 linen / Egyptian Cotton Ne 50/3. Source: Martina Wolter-Kampmann, Faden und Brief (Thread and Pricking). Caution: The procedure described in that book for enlargement and reduction cannot be used in this case.

<u>Symb</u>	<u>ols</u> :	
KR	C	cross
DR	T	twist
HS	HS	half stitch (CT)
LS	CS	cloth stitch (CTC)
GS	WS	whole stitch (CTCT)
SS	FS	fixing stitch (CTCTC)
VF	VP	Venetian plait
PSS	PS	princess stitch (CTT)
FF	FP	false plait
FR	FR	flat rib
NN4		pin-after-4, footside pin

Open circle – helping pin. It is best to use pins with glass heads so you do not forget to pull them out again. Hatched circle – existing pin Solid circle – pin placed in this step of the work

Actions to be done at this step of the work are drawn with a heavy line, previous steps are drawn with a light line.

At the edge of the pages, the number of bobbins after performing the step are given so you can check your work. Example: 8(10) = 8 pairs being worked + 10 pairs not currently being worked = 18 pairs on the lace pillow.

The body and the right wing are always described.

Rutterfly A may 10 nairs, about 4.5 hours

But	terny A, max. 10 pairs, about 4.5 nours	
Page 6:		
A1	Begin with 2x5 pairs, make a tally-bar (like a Ve	enetian
	plait).	10
A2	Make the head with cloth stitch in the Panama w	ay
	<that a="" as="" each="" is,="" pair="" passive="" single="" th="" threa<="" using=""><th>d > .10</th></that>	d > .10
A3	Form a segment (see General Technique), contin	nue
	with cloth stitch.	10
A4	Form segment 2 and continue with Ground 11.	10
A5	Work the last rows only in cloth stitch, end by	
	fastening all the pairs marked with double-heade	ed
	arrows with square knots (reef knots), so that the	knots
	move away from the edge! Knot the worker pair	* after
	all the other pairs have been knotted, then knot a	l
	bundle on the body, gradually adding the rest of	the

- pairs. 0 A6 Begin the flat rib. 8 Turn the flat rib. 8 Α7
- Begin the half stitch, do not forget the inside whole stitch (see General Technique).
- Turn to form the roll; set the edge pair aside at the last pinhole, also set the worker pair aside after the last row. Pull the 1st pair through with a hook and pass the 3rd pair through the loop. Pull the 4th pair through with

	a hook and pass the 6 th pair through the loop, but lay the 3 pairs on the left between them before this! Knot	1	ace pillow; the 11 th pair is free on the right, now make the roll with it.
A 10	where shown, then make a roll with the edge pair which was set aside (undo the twists). 8 Transition to helf tritch	(After making the last sewing, tie a square knot at the corner, twist the left pair, make the roll with it, pin-
	Transition to half stitch. 8 To form the division, work toward the inside with the		after-4 on the right, immediately hang 1 pair over each par at the 1 st pin. 11 (2)
АП	edge pair in cloth stitch (heavy line), make a sewing		Keep setting pairs from the roll aside on the left; as of
	with the edge pair and the worker pair together, then		oin *, work a rib instead of a roll. 3 (10)
	work the edge pair to the outside edge again in cloth		Work Ground 2, setting a helping pin on the right side
	stitch, followed by the worker pair in half stitch.		before the last passive pair, and make a sewing with the
	Tie off 2x1 pairs on the left side.		ast passive pair on the left side, so that the ground has
	See A9. 6		good tension. Only work a half stitch at the °, then
	See A10, but in cloth stitch. Cut off the edge pair, pull it through the bar and knot it		make a sewing with the edge pair and the worker pair, and then immediately set one pair aside. 13
АП	with the last passive pair, catch all pairs together into a		Set aside pairs at the edge little by little, make sewings
	bundle behind the wing.		with the remaining passive pairs at the end and tie then
_	•		nto a bundle (behind the wing).
age 7: <dia< td=""><td>gram> A5 See page 6</td><td>Page 10:</td><td></td></dia<>	gram> A5 See page 6	Page 10:	
414	8.4 1.10 0.00 b. 20.00		ram> B2 antenna antenna
age 8:	terfly B, max. 16 pairs, about 5 hours		
But	terny b, max. 16 pans, about 5 nours	Page 11:	erfly C, max. 19 pairs, about 3.5 hours
age 9:			,
B1	Begin at the antennae in princess stitch with 2 pairs each.	Page 12:	Begin with plaits, make knotted picots on the left and
В2	Hang in 2 pairs as if making a pin-after-4 (3-pair		right (see 7.1.3, <i>Tricks und Kniffe</i>).
D2	connection, then half stitch, twist with the pairs from		Hang in 2 pairs for the pin-after-4 edge (see B2).
	the princess stitch.)		Begin working cloth stitch. Hang 1 pair over the
В3	Begin the head in cloth stitch.		worker pair on the left and the right (1.1.5, <i>Tricks</i>). 8
B4	Hang 2 new pairs over helping pins (*), work them		Form the 1 st segment, then half stitch (see General
D.	across in cloth stitch.		Fechnique).
B5	Begin working half stitch, with an inner and outer whole stitch on both edges.		Form the 2 nd segment, then Ground 6. 8 Work the last rows in cloth stitch. To end, see A5. 0
В6	Form the subdivision (see General Technique).		Begin the cloth stitch with 9 pairs and pin-after-4 on
B7	Lay 4 pairs back: work the last passive pair in half		both sides.
	stitch toward the outside through the inside whole	C8	Make the corner (see 1.3.4, <i>Tricks und Kniffe</i>). 9
	stitch pair. 6		At the end of each of the last 3 pin-after-4 pinholes on
В8	End (see A5). Tie bundles in the direction of the		he inside, set aside 1 pair for the half stitch ground,
	antennae, catching the pairs laid back in B7 in them, or		work a fixing stitch with the last passive pair of the
	just knot these pairs off with square knots (reef knots).		cloth stitch, make a 3-pair connection with the edge pair, pin-after-6 (see 5.3.4, <i>Tricks und Kniffe</i>). 6 (3)
В9	Hang in 7 pairs for the flat rib.		Begin a flat rib with 7 pairs (see A6). 7 (9)
	Turn the corner with the flat rib, and now hang in 9		Γake 6 pairs into the flat rib. In their place, set aside
	pairs distributed along the bars; that looks better than		pairs from the flat rib for the cloth stitch ground.13 (3)
	hanging them in with sewings later. 7 (9)		Γurn the flat rib. Set aside the * pairs as passive pairs
	At each *, set aside 1 pair from the rib until it ends.(16)		for the cloth stitch ground. The pair with the arrow
B12	Make ground 1 (or a different one, it is quite difficult).	,	works the 1 st row of cloth stitch as the worker pair.
	In this ground, all pairs can remain until the end of the wing.	C13	7 (9) Begin the half stitch area, hang 3 pairs into the bars (*
B13	Tie off 5 pairs in the hole where the flat rib began, lay		= existing pairs), as shown, sew the worker pair into
DIS	a bundle behind the wing. Make sewings with the		the upper bar. 6 (13)
	remaining 11 pairs and take them upward in a roll. Pull		Set aside 5 passive pairs on the left. 1 (18)
	the 1 st pair from the left through and pass the 3 rd pair		$\Gamma ie off the last pair. $ (18)
	through the loop. Then pull the 4 th pair through and lay		Begin the cloth stitch area with the pair with the arrow
	the 3 pairs on the left between before passing the 6 th		from C12.
	pair through the loop. Next pinhole: Pull the 7 th pair through the left bar, lay all the pairs on the left		Make the hole (see 7.3.8, <i>Tricks und Kniffe</i>). 18 End behind the flat rib. 0
	between, pass the 8 th pair through the loop, do the same	C16 1	Bild bening the flat flu.
	thing with the right bar and the 9 th and 10 th pairs. Make	<diag< td=""><td>ram> C1 Cross between the picots</td></diag<>	ram> C1 Cross between the picots
	a square knot (reef knot) around all of the pairs with	_	•
	the 10 th pair and then add it to the bundle. Now turn the	Page 13:	ram> C8 Begin here with whole stitch
		\((I)A)	rang vo - destingte with whole shich

Butterfly D, max. 18 pairs, about 9 hours

,	, , , , , , , , , , , , , , , , , , , ,			in the pans from E11.	0 (2)
Page 15:				Transition to flat rib.	8 (2)
	antennae with 7 pairs each, insert a	magic	E14	Begin the forewing, as in B2 and D5. Remove	
	the false plait.	14		helping pin after the 4 th pin, when everything	is
	head in the Panama way <that is,="" td="" us<=""><td></td><td></td><td>completely tensioned, then tension again.</td><td>9 (10)</td></that>			completely tensioned, then tension again.	9 (10)
			E15	Set 2x1 pairs aside on the left again (see C9).	7 (12)
	single thread> according to the diagr			Turn around into a roll.	7 (12)
	pairs are shown in an abbreviated for			Transition to a flat rib, as in E13.	7 (12)
	dditional pairs.	16		Turn (see D7). After the 1 st row (still in cloth	
D3 Hang in 2	2 pairs.	18	L10		
D4 Make a co	onnection in the center.	6 (12)		and the 2 nd row (half stitch), temporarily set the	
D5 Lay aside	the pairs marked with * without known	otting			7 + 8 (4)
them.	r	16	E19	first make the square tallies, always using	
D6 Make 2 fl	at ribe	16		worker bobbin (see 3.13, Tricks und Kniffe), a	and after
	of the pins marked with *, lay back p			making a sewing into the edge, secure the pai	rs with a
				square knot.	4 (15)
	in the cloth stitch.	16	F20	After making the last sewing, include these pa	\ /
	cloth stitch, working 1-3 holes into		220	working the half stitch.	19
	itch or a fixing stitch at the places m	arked	E21		
with a circ	cle.	16	E21	Lay out pairs as you wish, ending the half stit	cii iii tiiis
D9 Tie off be	chind the Panama crossing.	0		way.	0
	rib that lies on the top with 9 pairs.	9			
	mply laying back the 3 "rolled" pairs		See	also p. 17 for diagrams.	
	em off (cut them short later).	6	<dia< td=""><td>gram> E12 for tally</td><td></td></dia<>	gram> E12 for tally	
D12 Flat rib (a		8 (6)		gram> E16 for tally	
	cloth stitch with twists.	8 (6)	·arc	grain E10 for any	
D14 Make fals	se plaits.	8 (6)	Page 20:		
D15 Set aside	3x1 passive pairs.	5 (9)		terfly F, max. 25 pairs, about 6.5 hours	
D16 Tie off 4	pairs, set aside 1 pair on the left for t		Duc	terriy i , max. 20 pano, about olo nouro	
stitch.	1	(10)	Page 21:		
	rith 6 pairs (as in A6).	6 (10)	F1	Begin the antennae with 2 tallies, later transit	ion to
	rget the false plaits (as in D14).	6 (10)		plaits.	4
			F2	•	· ·
	ib by making a sewing into the bars.		ΓZ	Begin the head (see B2) and the 2 segments in	
D20 Hang in I	extra pair and begin the half stitch.	17		stitch, work the 3 rd segment with 2 cloth stitch	
				stitch, 2 cloth stitches.	8
<diagram> D1</diagram>	helping pins		F3	End the body, make a 4-pair connection at the	*. The
	without pins			wiggly lines indicate pairs to be worked in ha	lf stitch.
	insert magic thread for false plait				(8)
	last row before the head		F4	Begin a flat rib with 7 pairs (see A6).	7(8)
			F5	Upper corner, simply place the pairs you set a	
Page 16:			13	the right over the work. After making the 1 st s	
<diagram> D3</diagram>	2 pairs			-	-
uiugiuiii 23	tally			the left, work the last passive pair on the outs	
<diagram> D10</diagram>	2			stitch; always make a fixing stitch on the inside	
~diagrain/ DT	o no pin			after-4.	5 (10)
D 17			F6	Hang in 2x4 pairs for each tally.	5 (18)
Page 17:	as a Chana alamana fining atital		F7	For the last tally, only hang in 2 pairs * over t	he bar
<diagram> E1</diagram>	as of here, always fixing stitch			(see B10), then make a flat rib with fixing stit	
D 10				E1) until the bottom	5 (20)
Page 18:	nov 40 noine about 7 hours		F8	and tie off there.	(20)
Butterny E, n	nax. 19 pairs, about 7 hours				
D 10			F9	Make the tallies and begin the half stitch with	-
Page 19:	1 4 11 14 6 1 1	10		4 (for the edge, see 2.2, <i>Tricks und Kniffe</i> .)	12 (8)
	lat ribs with 5 pairs each.	10	F10	Set aside 1 pair on the right end of each row.	To end,
E2 Make the		10		make sewings and tie off.	(8)
E3 Form seg	ment (see General Technique).	10	F11	Hang on 2 pairs at the body and also begin the	
E4 Hang 2x1	pairs over the worker pair.	12		curves here: 2 cloth stitches, 2 twists, 2 cloth	
E5 As E3.	•	12		whole stitch on the outside, pin-after-4, fixing	
	lay out pairs at * (B7), end as in B8.				
	flat rib (see A6).	8	F10	the inside, pin-after-4.	6 (4)
_	1141 110 (500 110).			Hang in 3x4 pairs for the tallies (see F6).	6 (16)
	2-1	8		Tie off the edge.	(16)
	2x1 pairs.	10	F14	Make the tallies and the cloth stitch ground. N	
E10 Make a ho	ole (see D8).	10		1 st sewing on the right side with the edge pair	and the

E11 Take out 5x1 pairs on the right (see C9). 5 (5) E12 Make a roll, setting aside 2x1 pairs for the tallies, work in the pairs from E11 8 (2) 8(2) as in B2 and D5. Remove the e 4th pin, when everything is ed, then tension again. 9 (10) on the left again (see C9). 7 (12) roll. 7(12)rib. as in E13. 7(12)er the 1st row (still in cloth stitch) If stitch), temporarily set them aside 7 + 8(4)juare tallies, always using the same 3.13, Tricks und Kniffe), and after to the edge, secure the pairs with a st sewing, include these pairs when u wish, ending the half stitch in this ms. airs, about 6.5 hours with 2 tallies, later transition to B2) and the 2 segments in half segment with 2 cloth stitches, 1 half e a 4-pair connection at the *. The te pairs to be worked in half stitch. (8) h 7 pairs (see A6). 7(8)ly place the pairs you set aside on ork. After making the 1st sewing on st passive pair on the outside in half a fixing stitch on the inside, pin-5(10)or each tally. 5 (18) nly hang in 2 pairs * over the bar ke a flat rib with fixing stitch (see n ... 5 (20) (20)d begin the half stitch with pin-after-2.2, Tricks und Kniffe.) 12(8) the right end of each row. To end, tie off.

aside passive pairs and the them off. <diagrams f3<="" p=""> 3-pair connection, see B2 <diagrams f3<="" p=""> "pair for the tally 2nd pairs for the tally Page 2: <diagrams g5<="" p=""> see B2 <di>see B2 <di>see A5 <di>acting pair connection Page 3: <di>diagrams G5 see B2 <di>see B2 <di>see A5 <di>acting pair connection Page 3: <di>diagrams G5 see B2 Butterfly G, max. 25 pairs, about 4.5 hours Butterfly G, max. 25 pairs, about 4.5 hours Butterfly G, max. 25 pairs, about 4.5 hours Butterfly G, max. 26 pairs, about 4.5 hours Butterfly G, max. 26 pairs, about 4.5 hours Butterfly G, max. 26 pairs, about 4.5 hours Hape 20: Butterfly G, max. 27 pairs for each view of the pairs of the pai</di></di></di></di></di></di></di></di></diagrams></diagrams></diagrams>			at the same time, and then gradu	ally set	H4	Form the segment (see General Techniques), continue
Section of the start of the s		aside passiv	e pairs and tie them off.	(4)		
stick, twist (see p. 32). **Side pairs for the tally **Pager 22: **Caliagram> G13 see 2.2, **Tricks und Kniffle* **A-pair connection **Pager 23: **Caliagram> G13 see 2.2, **Tricks und Kniffle* **A-pair connection **Caliagram> G13 see 2.2, **Tricks und Kniffle* **A-pair connection **Caliagram> G13 see 2.2, **Tricks und Kniffle* **A-pair connection **Caliagram> G13 see 2.2, **Tricks und Kniffle* **A-pair connection **Caliagram> G18 see B2, **Ade to the begin with Ground 9. 10 G2 Gradually begin with Ground 10. 10 G3 Form the 2" segment and begin with Ground 9. 10 G4 Form the 2" segment and begin with Ground 9. 10 G5 Fond the bead and make the antennae with plaits. 0 G6 Flat rib with 7 pairs for each vein (see B10). 7 (12) G18 Flat rib with 7 pairs for each vein (see B10). 7 (12) G19 Hang in 3×2 pairs for each vein (see B10). 7 (12) G10 Hang in 3×2 pairs for each vein (see B10). 7 (12) G10 Hang in 3×2 pairs for each vein (see B10). 7 (12) G11 He other pairs. **Caliagram> Ho separation to the flat rib, knotting the bundle over the flat rib toward the back, sew 2 pairs into the bars here and set them aside for the "w'en inforness stitch), cut off the other pairs. **Caliagram> Ho separation to the flat rib, knotting the bundle over the flat rib toward the back, sew 2 pairs into the bars here and set them aside for the "w'en inforness stitch), cut off the other pairs. **Caliagram> Ho separation to the flat rib, knotting the bundle over the flat rib toward the back, sew 2 pairs into the bursh and the flat rib. Make a sewing swith the 6 pairs of the grant side and begin with form the flat rib with flat rib off the pairs (13) set aside on the flat rib. Make a sewing swith flat of pairs on the flat rib with flat rib off the pairs (13) set aside on the flat rib. Make a sewing with the 6 pairs of the grant some the flat rib. Water and the flat rib. Water a	. 11	. 53	2 · · · · · · · · · · · · · · · · · · ·			
Page 22: **Catingram>** Graph See B2 **See A5 **See B2 **See B1 **See B2 **See B1 **See					H6	
page 32	<alag< td=""><td>gram> F5</td><td></td><td></td><td>Ц7</td><td></td></alag<>	gram> F5			Ц7	
see AS **diagram>** G5 see B2 see AS **diagram>** G3 see 2.2, <i>Tricks und Kniffe</i> **4-pair connection **Pupe: 23* **Buttlerfly G, max. 25 pairs, about 4.5 hours **Pupe: 24* G1 Begin the body in cloth stitch (see B2, D5). Remove the helping pin after the 4" pin has been placed and ceverything is completely tensioned. G2 Gradually begin with Ground 10. G3 Form the 1" segment and begin with Ground 9. 10. G4 Form the 2" segment and begin with Ground 9. 10. G5 Flat rib with 7 pairs (see M6). G7 Hang in 2 pairs for each "vein" (see B10). G10 Hang in 32- pairs for each "vein" (see B10). G10 Hang in 32- pairs for each "vein" (see B10). G10 Hang in 32- pairs for each win (see B10). G110 Hang in 32- pairs for each win (see B10). G12 Begin the surface of the wing in Ground 7 with a pin-after-4 setting as shown in the diagram, that is easier to tension (cross, 2 twists on the left, 1 twist on the right, Depriming as shown in the diagram, that is easier to tension (cross, 2 twists on the left, 1 twist on the right, C20a, Tricks und Kniffe), otherwise like G13. G14 Tre off pairs on the left little by little, sew the rest of the pairs into the body and the with a bundle. G3 Begin the surface of the wing in Ground 7 with a pin-after-4 setting as shown in the diagram, that is easier to tension (cross, 2 twists on the left, 1 twist on the right, C20a, Tricks und Kniffe), otherwise like G13. G14 Tre off pairs on the left little by little, sew the rest of the pairs into the body and the with a bundle. G3 Begin the surface of the wing in Ground 7 with a pin-after-4 setting as the pairs necessary to make the plairs and stars each time. G14 Tre off pairs on the left little by little, sew the rest of the pairs into the pairs little by little, sew the rest of the pairs into the pairs little by little, sew the rest of the pairs into the pairs little by little, sew the rest of the pairs into the pairs little by little, sew the rest of the pairs into the pairs little by little, sew the rest of the pairs into the pair			2 pairs for the tarry		Π/	
sea A5 sea A6 s	Page 22:					
sec 2.7 tricks und Kniffe) as a 6-pair connection **Page 2.3:** **Gilagram>** Gil 3 sec 2.2, Tricks und Kniffe) **Lepair connection **Buttlerffy G, max. 25 pairs, about 4.5 hours **Page 2.3:** **Gil Begin the body in cloth stitch (see B2, D5). Remove the helping pin after the 4th pin has been placed and cverything is completely tensioned. **Gil Gradually begin with Ground 10. 10 **Gil Flart piw thi? **Pagrent and begin with Goround 9. 10 **Gil Flart piw thi? **Pagrent and begin with Goround 9. 10 **Gil Flart piw thi? **Pagrent and begin with cloth stitch. 10 **Gil End the head and make the antennae with platts. 0 **Gil Hang in 2 pairs for each "vein" (see B10). 7 (12) **Gil Transition to the flat rib kace E13). 7 (12) **Gil Hang in 3.2 pairs for each "vein" (see B10). 7 (18) **Gil Sew in and tie the flat rib, knotting the bundle over the flat rib toward the back, see 2 pairs into the bars bera and set them aside for the 4th vein" (princess stitch), cut off the other pairs. **Gil Hang in 3.2 pairs for each "vein" (see B10). 7 (12) **Gil Hang in 3.2 pairs for each "vein" (see B10). 7 (18) **Gil Sew in and tie the flat rib, knotting the bundle over the flat rib knotting the bundle over the flat rib with the pairs flow the flat rib. An example the pairs into the flat rib. An example the		gram> G5	see B2			
Solution of the pairs through the plait. 4-pair connection (without a pin) between the plait and the flat rib. 7-(6) 8-page 24 Gl Begin the body in cloth stitch (see B2, D5). Remove the helping pin after the 4 th pin has been placed and everything is completely tensioned. 10 G2 Gradually begin with Ground 10. 10 G3 Form the 2 th segment and begin with Ground 9. 10 G4 Form the 2 th segment and begin with Ground 9. 10 G5 End the head and make the antennae with plaits. 10 G6 Flat rib with 7 pairs (see A6). 17 Hang in 2 pairs for each vein (see B10). 17 (12) 18 Flat rib with 7 pairs (see A6). 19 Transition to the flat rib kee F13). 10 To Ham in 3×2 pairs for each vein (see B10). 11 Gl Sew in and te the flat rib, knotting the bundle over the flat rib toward the back, sew 2 pairs into the bars here and set them aside for the 4 th vein (princess stitch). Cl G13 Begin the G2 pairs for each vein (see B10). 11 Gl Sew in and the the flat rib, knotting the bundle over the flat rib toward the back, sew 2 pairs into the bars here and set them aside for the 4 th vein (princess stitch). Cl G15 End the pairs for each vein (see B1). 11 G16 Tie off the pairs liftle by little, sew the rest of the pairs into the body and tie with a bundle. 21 G16 Flag in the 2 nd wing area. For working the princess sitch, see B2. Add in 1 additional pair (see 2.12, Tricks and Kniffe), and the pairs line body and tie with a bundle. 22 Gl Far pairs on the left little by little, sew the rest of the pairs into the body and tie with a bundle. 23 Flag in the 2 nd wing area. For working the princess sitch, see B2. Add in 1 additional pair (see 2.12, Tricks and Kniffe), which is a sewing the pair connection cloth stitch cross cross cross 24 Flag 228 25 Butterfly H, max. 31 pairs, about 8.5 hours 26 Flag in the 2 nd wing area. For working the princess sitch, see B2 and G1) in cloth stitch, and flag 2 nd wing area. For working the princess sitch see B10. 26 Flag in the 2 nd wing area. For working the princess sitch see B10.					Н8	
Page 23: Butterfly G, max. 25 pairs, about 4.5 hours Page 24: GI Begin the body in cloth stitch (see B2, D5). Remove the helping pin after the 4" pin has been placed and everything is completely tensioned. GI Grandually begin with Ground 10. GI Form the 1" segment and begin with Ground 9. 10. GI Form the 2" segment and begin with Ground 9. 10. GI Form the 2" segment and begin with Ground 9. 10. GI Form the 1" segment and begin with Ground 9. 10. GI Form the 1" segment and begin with Ground 9. 10. GI Form the 1" segment and begin with Ground 9. 10. GI Form the 1" segment and begin with Ground 9. 10. GI Form the 1" segment and begin with Ground 9. 10. GI Form the 1" segment and the flat rith (see B10). 7 (12). GI Form the 1" segment and the flat rith (see B10). 7 (12). GI Form the bead and make the antennae with planis. 0. GI Form the bead sown in the diagram; that is easier to the flat rith (see B13). 7 (12). GI Form the beginning as shown in the diagram; that is easier to tension (cross. 2 twists on the left, 1 twist on the right, princess stitch). CI GI Form the 1" segment and the edge part together on the left (19.16 (8). GI Begin the surface of the wing in Ground 7 with a pinalifer-1 edge (see B2). A 4-pin connection on the right, princess stitch). CI GI Form the 2" wing area. For working the princess stitch, see F2. Add in 1 additional pair (see 2.12, Pricks and Kniffe). Otherwise like G13. GI Form the P2" wing area. For working the princess stitch, see F2. Add in 1 additional pair (see 2.12, Pricks and Kniffe). Otherwise like G13. GI Form the P2" wing area. For working the princess stitch, see F2. Add in 1 additional pair (see 2.12, Pricks and Kniffe). Otherwise large pair together on the left (19.16 (8). Also see the diagrams on page 24. Form the pairs and the edge pair together on the left (19.16 (8). Also see the diagrams on page 24. Form the 2" segment and work further in cloth stitch, analysing a pair connection of the bady and the wind pair (see 2.12, Pricks and Kniffe). Other	<diag< td=""><td>gram> G13</td><td></td><td></td><td></td><td></td></diag<>	gram> G13				
Flage 35. Flage 34. Gil Begin the body in cloth stitch (see B2, D5). Remove the helping pin after the 4"pin has been placed and everything is completely tensioned. Girdadually begin with Ground 1.0 Gil Form the 1" segment and begin with Ground 9. 10 Gil Form the 2"di segment and begin with Ground 9. 10 Gil Form the 2"di segment and begin with Ground 9. 10 Gil Flat the with 7 pairs (see A6). Franction of the trib and a make the antennae with plaits. Gil Flat the with 7 pairs (see A6). Franction of the flat trib and begin with Ground 9. 10 Gil Sew in the bead and make the antennae with plaits. Gil Flat the with 7 pairs (see A6). Franction of the flat trib and begin with Ground 9. 10 Gil Sew in the pairs and the teld (7 pairs on the eff. (18) Gil Sew in the pairs and set them aside. Gil Affact them saide for the type against the saider of the flat trib toward the back, sew 2 pairs into the bars here and set them aside for the 4" veri (princess stitch), cut off the other pairs. Gil Make the maside for the 4" veri (princess stitch), cut off the other pairs. Gil Begin the surface of the wing in Ground 7 with a pinalfert-4 edge (see B2). A 4-pin connection on the right, princess stitch, princess stitch, princess stitch, see B2. Add in 1 additional pair (see 2.12, Iricks and Kniffe). Make a sewing with the worker pair and the edge pair together on the left (**)16 Gil Flat the Pairs into the body and tie with a bundle. Gil Flat the Pairs into the body and tie with a bundle. Gil Flat the pairs into the body and tie with a bundle. Command Hill Age and the pairs (13) set aside on the left. Gil Wake the masside for the forewing, beginning as shown in the diagram; that is easier to tension (cross, 2 twists on the left). Two the forewing, beginning as shown in the diagram; that is easier to tension (cross, 2 twists on the left). Two the forewing, beginning as shown in the diagram; that is easier to tension (cross, 2 twists on the left). Twist on the right, of the pairs into the body and tie with a bundl			4-pair connection		Н9	
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Butterfly H, max. 31 pairs, about 8.5 hours Also see the diagrams on page 24. 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in half stitch. 10 K7 Hang in 2 new pairs for the tally and end the rib. (9)						
				10		

K9	Hang in 10 more pairs for the ground and begin in	half			
	stitch. 15 (
K10		19			
	Set aside a pair on the right after each pin (work a h	nalf			
	stitch through the inside and a whole stitch through				
	outside whole stitch pair). 8 (1				
K12	Further below, take the half stitch pairs to the right	-)			
	between the (tally) whole stitches, so that there are				
	2 and then only 1 half stitch pair between the "fat"				
	whole stitches. 8 (1	1)			
K13	Sew in the remaining 8 pairs of the ground, tie off				
1110		.3)			
K14	Hang in 6 pairs over the 1 st pair that was set aside a	ind			
	begin a flat rib (see A6).	2)			
K15	Hang in 2 pairs for the tally. 7 (1				
	Corner. 7 (1				
	Make the point with a twisted picot (9-11 twists) (s	_			
121,	7.1.7, <i>Tricks und Kniffe</i>). 7 (1				
K18	Sew in the worker pair together with the edge pair a				
1110	make a roll, setting aside 1 pair at each place you n				
		23)			
K19	Make the 2 tallies, then work princess stitch up the	,			
	body and make sewings there. 4 (1	9)			
K20	Begin the ground with 4 pairs from K19	,			
1120	2 pairs from K18				
	2 pairs from K13				
	1 pair from K11 9 (1	4)			
	Work the first couple of rows in cloth stitch, then w				
	the right wing in Ground 8a, the left one in Ground				
		23			
K21	Lay back the pairs of the rib little by little and tie				
	everything off.	0			
	, ,				
Also see the diagrams on page 27.					
Page 30:					
	terfly L, max. 21 pairs, about 8 hours				
Page 31:					
L1	Begin with a leaf tally that has a magic thread at the	e			

princess stitch. Work the eyes as square tallies (for the beginning, see F1); at the end, sew the middle thread into the loop at the top, pass the worker through it, and with the two outer threads pull the tally round. 8 Head (see B2, G1). L3 10 Form the segment and continue with Ground 5. L4 Transition to cloth stitch and make the end as shown.

start, fold over the tally, make a sewing, work in

- L6 Make a flat rib with 7 pairs (see A6). 7(10) L7 Corner. 7 (10)
- At the end, turn around into a roll along the body.7 (10)
- At the end of the body, include the pairs from the body in the roll, use the last pairs from the body as the worker pair and edge pair.
- L10 Work the roll upward, setting aside pairs occasionally. Perhaps set helping pins by the roll so that it lays nicely in the corner. Also hang in 4 more pairs (see B10). To form the point, make a plait with a picot. 15 (6)
- L11 When there are only 3 passive pairs in the roll, transition to a flat rib and end at *. (21)

- L12 Begin with Ground 11, laying back 2x1 pairs on the right. At the upper wing on the left, make a sewing with the edge pair and the worker pair together, 15 (6) and set aside a pair at every place marked with "-", but set aside 2 pairs at the first place you make a sewing. Sew the worker pair into the upper bar and the passive pair being set aside into the lower bar. Tie off the upper 2 pairs on the right and the left (the passive pairs that were set aside). After the last sewing on the body, tie off the remaining passive and worker pairs. (13)
- L13 Hang in 2 pairs for each of the long, thin tallies and begin to make them.
- L14 At the end, sew in the tallies and spread out the bobbins according to the ground, which I always begin (according to the diagram) from the outside edge with: CTCTT-CTTT.

L10aFor the left wing, only hang in 2 more pairs here.

<diagram> L5 see B2 4-pair connection

Page 32:

General Technique

Tying off

Body: Take the bundle toward the antennae!

Wing: Always tie off the bundle away from the body!

I always pull the whole thread through, that is, cut off the bobbin, pull the thread completely through with the hook and tie it with the other thread of the pair. That looks flatter and nicer than first making a sewing and then tying a knot.

Always twist 2-3 times before pin-after-4

At half stitch, pin-after-4, always work an interior whole stitch, but do not forget the extra twist before the pin-after-4!

Always make a sewing into the bar, usually the lower bar (see 8.4.6, Tricks und Kniffe).

Making a flat rib

Without twist 1 twist 2 twists fixing stitch, twist

Optimal pinholes look

like this not like this (a) or like this (b)

See To correct the problem, p. 33.

Forming segments

Page 33:

(10)

To correct the problem

in case a)

- worker pair on the side without pins: instead of no twists, twist once
- worker pair on the side without pins: instead of 1 twist, twist twice
- do not tension the worker pair so much! toward the top

in cas - tens - few	haps use more passive pair se b) sion better! ver twists on the side witho haps use fewer passive pai	out pins	<i>5</i> → ←	CS { Always FS { tension { after the FS { fixing
<u>Maki</u>	ing a roll			CS { stitch
Grou	<u>nds</u>		6a + 6	
Page 34:			\rightarrow	CS TC
1				
CS CT. t	wist passive pair }		←	CS
C	} repe	at	\rightarrow	CS
CS CS	<u>}</u>			
CT, t	wist passive pair }		←	CS TC
C CS	} repe	at		ic
CB	<u>_</u>		7	
natur	ground is very difficult to al appearance because of in take it in linen, as it breaks	ts irregularity. If possible, do	\rightarrow	HS WS
			←	HS
<i>2</i> →	CS			WS
,	$CS 1^{st} + 2^{nd} pair$		8a + 6	8 <i>b</i>
	CS $3^{rd} + 4^{th}$ pair, etc.		\rightarrow	CS
_	CS			C, T worker pair
_	$CS 2^{nd} + 3^{rd} pair$		←	CS
	$CS 2^{nd} + 3^{rd} pair$ $CS 4^{th} + 5^{th} pair$, etc.			
	helping pins		\rightarrow	CS
3			←	CS
\rightarrow	HS		•	C, T worker pair
	C, T worker pair		0	
←	HS		<i>9</i> →	CS
	C, T worker pair		,	HS }
Inste	ad of half stitch, cloth stitc	h is also possible.		CS } repeat CS }
4			←	CS
\rightarrow	CS $C 2^{nd} + 3^{rd}$ threads			HS }
	$C 2^{+3}$ threads $C 4^{th} + 5^{th}$ threads, etc.			CS } repeat CS }
←	CS		10	
	T 1 st pair		\rightarrow	CS
	T 3 rd pair, etc.			T all pairs
\rightarrow	CS			CS
,	$C 2^{nd} + 3^{rd}$ threads		←	CS $C 2^{nd} + 3^{rd} \text{ threads}$
	$C 4^{th} + 5^{th}$ threads, etc.			$C 4^{th} + 5^{th}$ threads, etc.
←	CS			helping pins

CS T 2nd pair T 4th pair, etc. 11

 \rightarrow HS

C, T worker pair

- \leftarrow HS
- → C, T worker pair HS

 \leftarrow HS

In General

- Each box drawn with a thin line shows the working procedure between the worker pair and <u>one</u> passive pair.
- The arrows show the working direction.
- The grounds can be used on the same pricking as half stitch, cloth stitch, whole stitch.

Translations of sections of 400 Tricks und Kniffe:

Note: The sections referred to in this booklet refer to the earlier version of the book, 350 Tricks und Kniffe. For the most part, they seem to be the same section numbers as in the more recent book, 400 Tricks und Kniffe. Section 2.20a referenced in step G13 is now numbered 2.22a, which is translated below. The translator does not know if any of the text in the earlier book is different from what is shown below.

1.1.5, Inserting an extra pair

This method is especially suitable where a pair is already being added anyway. Hang the new pair on a helping pin above the work, after placing the pin for the pin-after-2. Work the new pair along with the others and remove the helping pin after the end of the row. <Note: Pin-after-4 is used in *Butterflies* here.>

1.3.4, 90° Corner (Kralova)

Work up to the 45° line ahead of time (a). While doing this, simply go around the pins at 1-3 without any twists(b). When everything shown in picture a is made, turn the work 90°. Work a whole stitch with the 2nd pair from the left (the last passive pair) and the edge pair, pin-after-4 in pinhole 4. Make a cloth stitch with the worker pair toward the right, pull the pin out of pinhole 3 and make a sewing according to 8.4.1 (page 166). The pair beside it (*) now goes to the left in cloth stitch as the new worker pair (c). At pinhole 0, place another pin right next to the one already there.

2.2, <Adding> 2 pairs <to half stitch> at a pin-after-4 - 1st way

Make a half stitch with the inner of the two pairs and the edge pair, make a half stitch with the worker pair and then a whole stitch with the last pair, pin-after-4.

2.12, Widening by 1 pair at a pin-after-4 $- 2^{nd}$ way

Hang a new pair over the next pinhole (a).

Work the new pair in half stitch, whole stitch (b).

Remove the pin from pinhole 2 and replace it after 2 pairs.

Continue to work normally (c).

2.22, Connections <of half stitch> with plaits

No matter which connections are chosen and which edge the half stitch has, always take the last two pairs (including the worker pair) for the connection, never only one, otherwise the edge will not look continuous and the half stitch section would get a hole at that place. The connections shown are those with one plait (a) according to 5.2.1 (page 80) and with two plaits (b) according to 5.2.3 (p. 80). If there is an edge pair, work a half stitch with it and the worker pair before and after the connection.

A connection between a pin-after-4 edge and a pair is also made correspondingly. (c)

Make a three-pair connection according to 5.3.4.

3.13, Square tallies in the ground

As lovely as they look, decorating a ground with square tallies is unpleasant for many because they are easily pulled out of shape by accidentally pulling on the worker in the next row of torchon ground. Therefore:

- 1. Always twist the left pair one extra time before beginning the square tally, work the tally as usual and leave the worker on the right. If the ground is now worked in diagonal rows, absolutely nothing can pull out of shape, since the worker always stays the same.
- 2. The same is true for tallies lying diagonally in the ground.
- 3. For other grounds, check the course of the pairs if necessary, and draw in where a pair has to be given an extra twist in order to keep the same worker.
- 4. The square tallies become smaller if the pairs are twisted one more time before and after making them (b).
- 5. If you are still having difficulty with them, secure the tally with a half square knot (3.14b).
- *5.1.22*, Small 6-pair connection Steps for making it:
- 5.3.4, Three-pair connection

7.1.7, Twisted picot

In step a, take care to make enough twists, and in step b, take care that the twists slip around the pin by making suitable back and forth motions of the bobbins.

In diagram c, you see the typical unsuccessful picot.

The number of twists depends on the thickness of the pins and the weight of the thread, and it varies between 4 twists (thick thread, picot on a plait) to 8 twists (fine thread, picot at the headside).

7.3.8, Big hole (Kralova)

The inside edge is worked with turning stitch, CTTC.

8.4.6, Sewing in at pin-after- $4 - 2^{nd}$ way Made as in 8.4.2.

This type is used above all in Honiton and Duchesse lace.

a: in the lower bar

b: in the upper bar

c: in both bars.

Notes on the translation:

This booklet has been translated with the kind permission of the author. This translation may be reproduced, but it **may not be offered for sale**.

In this translation, half stitch is CT, cloth stitch is CTC and whole stitch is CTCT.

See the note about Ulrike Löhr's earlier book, 350 Tricks und Kniffe, at the beginning of the last section of this translation. Translations of the sections of the later version of her book, Klöppeln, Handbuch mit 400 Tricks und Kniffe, corresponding to the sections referred to in the booklet have been provided. However, they are not very useful if you do not also have access to the diagrams in the book.

Note that "Falter" can mean either a butterfly or a moth, so the translation may not always be technically correct in that respect.