

Thread: 50

Sewing Pintucks

Stitch length: Needle position: Stitch width: Feed control: Automatic: center 0 WWWW and MW about 1/2

To sew pintucks, 2 top threads are needed (for double needle). When threading the machine take care that the two bring them singly from take-up lever to the needles. threads are not twisted together, but

machine for pintucking The quickest way to set up the

lower thread yet.) Insert and thread the twin needle.

needle plate (the free arm cover can Pintuck foot. up the bottom thread and clip on the be removed for this) and finally bring Thread the gimp through the hole in the

(3)

The gimp is threaded like this

embroidery is eventually to be sewn ves on the underside of the foot. (When is controlled automatically by the groo-1 presser foot is required.) between tucks, then a width of exactly The regular spacing between the tucks

Sewing Pintuck Corners

stitch, as with a single needle. cannot be turned at right angles in one Because of the double needle, corners

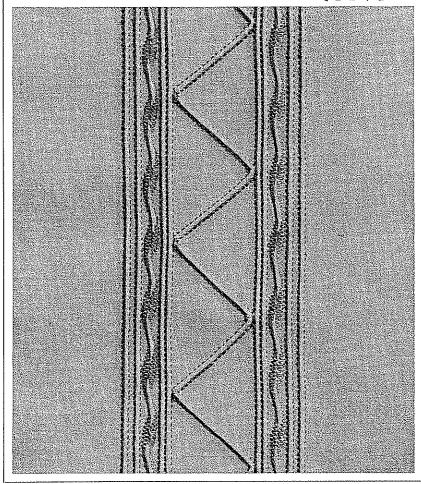
work. Lift presser foot. Half turn work. plete the turn. Lower presser foot and points in work. Lift presser foot. Com-Bring the points of the needles into the You should therefore proceed thus: continue by hand to do one stitch leaving needle Lower presser foot. Turn balance wheel

(Remove the cord) Fancy patterns with double needle

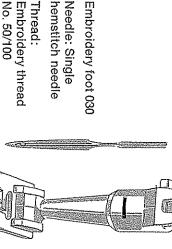
Needle position: Stitch width: Automatic: Stitch length: as desired center about 1/4

Feed control: Thread: 30 or 50

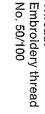
for automatic guiding. For twin needle close to the tucks, use the pintuck foot When designs are sewn in between or embroidery foot. embroidery without pintucks, use the

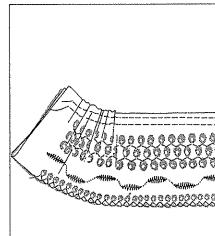


Hemstitching (for fine fabrics)



Embroidery foot 030 hemstitch needle Needle: Single





Single hemstitch needle

Stitch length: Stitch width:

Needle position: 0 wwww and www center

Feed control: Automatic:

Ruche

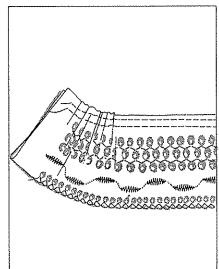
Iron bias strip of organdy in two. Sew hem stitches at the desired distance over the folded with a normal needle. edge. Sew the ornamental stitch in between

same way. An Entre-deux (insertions) is worked in the

(use Organdie double) Applique with Pre-Embroidered Material

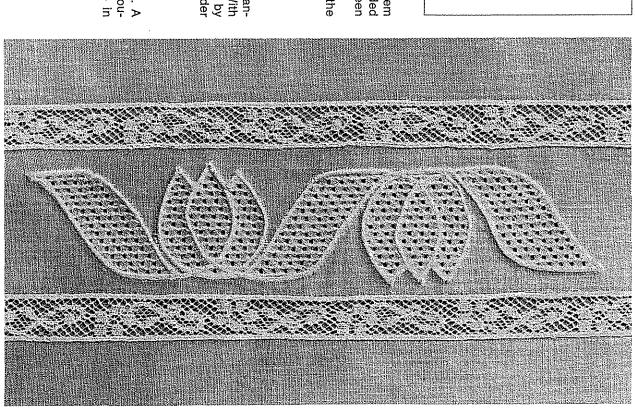
cutting away background material from under this trellis make a normal applique. Finish by ner described until you get a trellis effect. With Hem stitch a piece of fine material in the man-

ble metallic thread is led through the hole in very attractive effect is brought about if a dou-Can be used as a border (e.g. for a stole). A



Trellis work with metallic thread (Lurex)

the embroidery foot

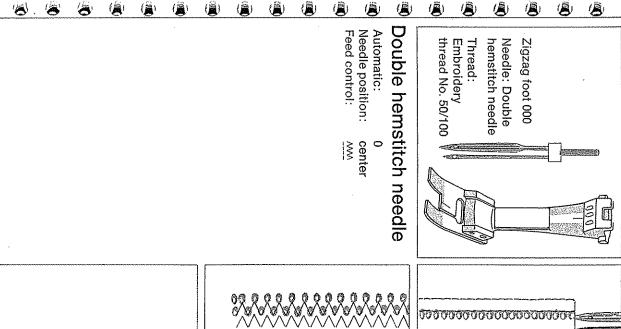


will then pierce holes of first row on one side)

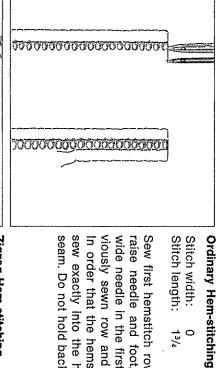
Sew first row of stitching. Leave tip of needle in work, turn and sew second row (the needle

Method

(8)

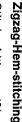


हैं कि बिकार है। किया है। किया



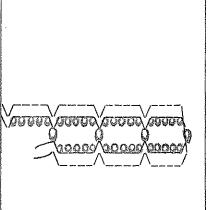
Stitch width: Stitch length: 13/4

sew exactly into the holes of the first viously sewn row and resume sewing Sew first hemstitch row of embroidery, seam. Do not hold back work. wide needle in the first hole of the preraise needle and foot, turn work. Put In order that the hemstitch needle can



Stitch width: Stitch length:

again and raise the presser foot. Turn stitch, then turn back the hand wheel of embroidery. Just pierce the last left Sew the first side of the hemstitch row work. With the wide needle stitch through linue sewing. Do not hold the work back. the previously pierced hole and con-



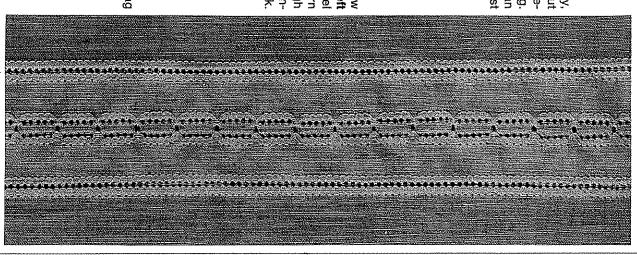
Fancy Hem-stitching

Stitch length: Stitch width: 13/4

Automatic:

(No. 1) and 1-20

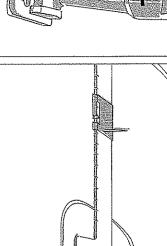
hem-stitching. Worked in the same way as the zigzag



Embroidery foot 030 Needle: 80

Thread:

Embroidery thread No. 30/60



Stitch width:

Stitch length: Automatic: As desired and 1-20 almost 0

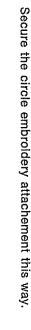
Feed control: Needle position: center

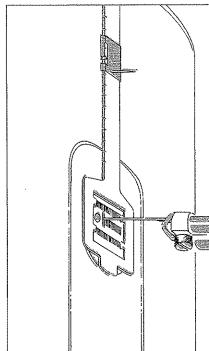
safety pins. To prevent large pieces from pulling fold in the corners and fasten with should be stiffened (with Vilene) or pre-For circular embroidery the material ferably worked in an embroidery hoop.

Easy Circular Embroidery

(Circles with the same center point)

Place the embroidery work onto the Combinations of circles prong (arrange distance from needle accordingly) and embroider. If further Distinctly marking the center make a design on paper with circles are to be embroidered the work a pair of compasses. must be moved accordingly.





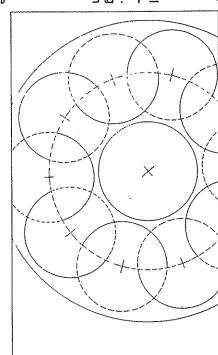
X

1

1

with tracing paper. Transfer the center point of all the circles onto the material

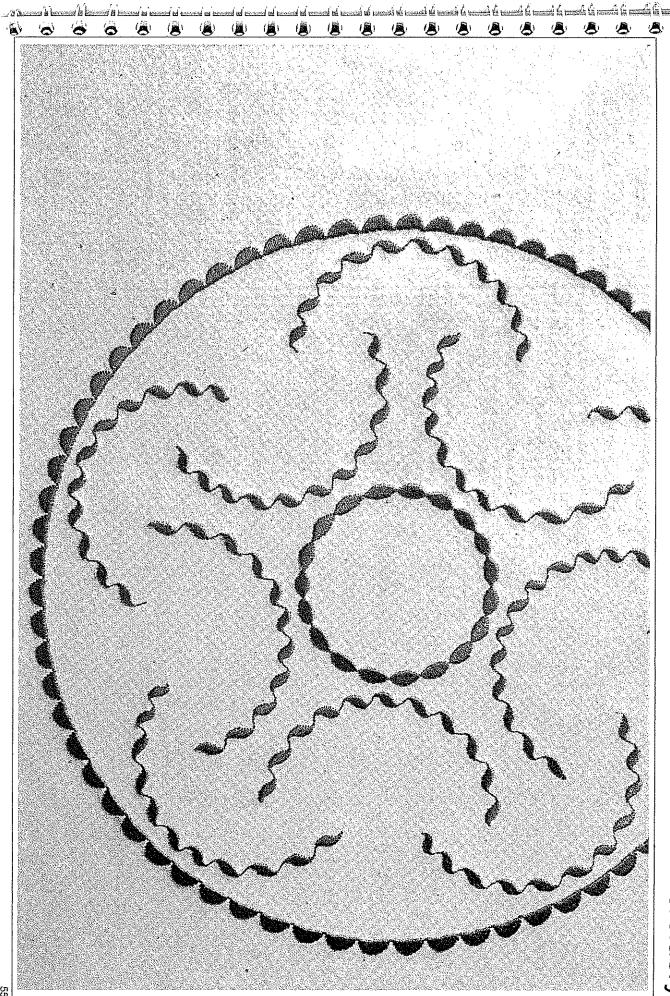
1



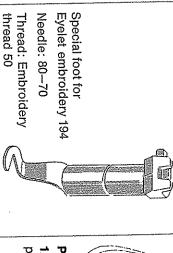
Secure a center point onto the prong and embroider the required parts of the circle.

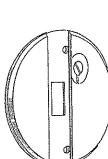
(

1



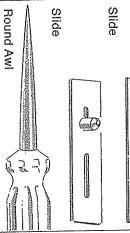
Eyelet or English embroidery





Special needle plate

L



Stitch length: Stitch width: 11/2 small / 21/2 large

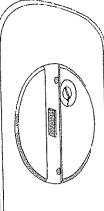
Square Awl

(C

Needle position:

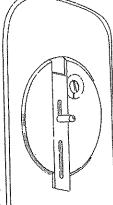
Automatic:

0 www and MW lowered 嶽

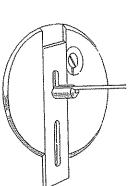


Preparation

placing the screw at top left 1. Set machine, change needle plate,



with the prong slot on the left, but do 2. Loosen screw, secure required slide not tighten screw yet



along until the needle is just inside the into the opening, then slide the pate 3. Place the needle (swinging to right) prong. Carefully tighten screw.

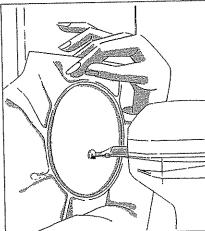
Thread bottom cotton through hole in finger of bobbin case (as with button

Method

- 1. Always use frame. Stretch material.
- 2. Punch holes with hand awl, pushing halfway through for small and right for felt and leather.) through for large eyelets. (Square awl
- eyelet embroidery. Sew twice around the small holes and three times around 3. Secure work onto the prong and sew the large.

ing speed. rounds (b) and do not change the sewfirst round (a), then for the following Important: Turn the frame faster for the

fasten with a few stitches. 4. Set zigzag to 0. Turn work again and



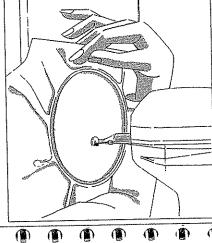
one's hold. Turn without varying movestopping the machine and renewing can be turned around in one go without ment. Hold the work in such a manner that i

Allow machine to run at a medium and constant speed.

soon as one has finished turning, other-Important: Start turning as soon as machine is in motion. Stop machine as

Guiding the work

terial, fold back the corners and secure when turning.) them with safety pins to prevent pulling (When sewing with large pieces of ma-



(1)

wise uneven tickness will occur.

Feed control:

embroidery around the eyelet Ornamental stitching

(work with frame)

Stitch length: Stitch width: Automatic:

Feed control:

As desired and 1-20

lowered 抽法

9

broider circle. As the drop feed control set pattern indicator to center and em-Secure embroidered hole onto the prong, punch embroidery. circle cannot be sewn in one go as with be turned by hand too. Naturally the is lowered, the embroidery frame must

slow speed of the machine even. It is recommended to use the the embroidery is to appear neat and One must sew slowly and unvaryingly if and renew hold on embroidery frame.

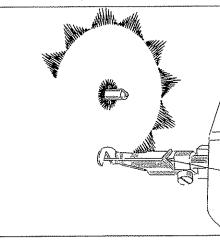
quired. The opening in the plate underthe left according to size of circle re-

neath should be clear and not covered

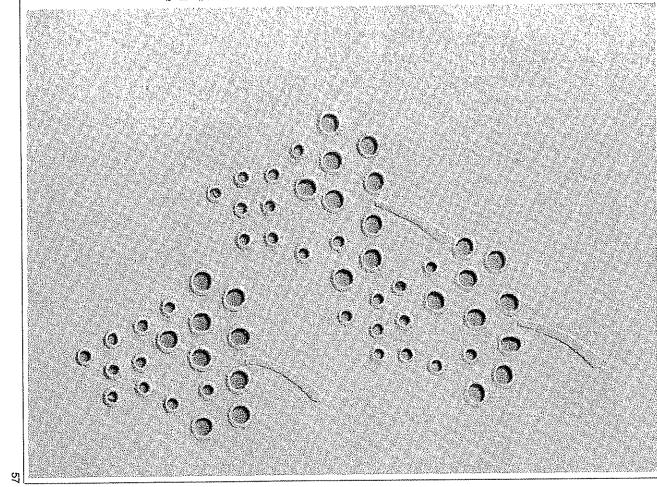
by the slide.

Put needle into its highest position.

Loosen screw and move slide towards



Interrupt the work after a few motifs



Without foot

Needle: 80-70

٩

®.

(

Embroidery thread 50

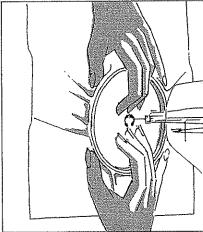
Thread:

Stitch width: Stitch length: 4-2

Feed control: Needle position: Automatic: 0 wwww and www center lowered

a foot. Important: Lower the foot lever as the work is to be carried out without Stretch the material tightly in the frame unatractive work will result. top thread tension will remain open and Hold frame as when darning. Do not ust the same as usual, otherwise the

will run more smoothly (as with buttonhole sewing). the finger of the bobbin case the work grams. If the bottom thread is draw through movements produce uneven mono-



Guiding the work

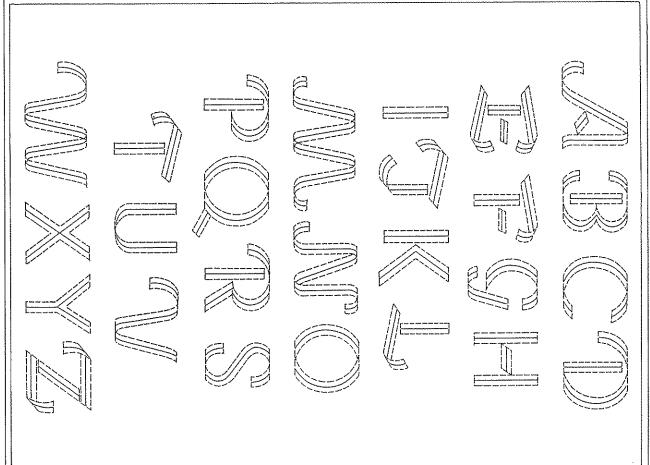
move fingers while working, as jerky

Method

needle ready to begin and make a test better the result. stitch. The drawn line must be in the Bring up the bottom thread through the To produce a perfect monogram a great material, sew a few straight stitches and deal depends on how the frame is held. cut the thread ends. Set zigzag. Place middle of the zigzag. The more securely the work is held the

(P)

Move the frame as though wanting to **Important**: Allow the machine to run write with it. **Do not stop moving frame** rather quickly; however, the frame until the monogram is complete. should be guided slowly and steadily.



Presser foot 000 if necessary cording foot 499 (for hard fabrics)

Cordonnet can be worked in two ways: A — as upper thread

B - in the bobbin case

Important:

The sewing machine needle has a long groove at the front. It must be possible for the thread to lie completely in this groove while sewing, otherwise wrong stitches and broken threads result, in addition to an unsightly stitch pattern. The thickness of the needle must therefore correspond as always to the thread thickness. In addition, synthetic cordonnet is being used increasingly.

Hence the golden rule is:
When cordonnet as upper thread
Needle No. 110

It is quite possible that for certain kinds of fabric even a needle No. 100 (possibly No. 90) produces a perfect result.

عا فأ تحصيها فأ ته

6

ä

Sew a trial sample

A. Cordonnet as upper thread

Needle No. 110

Presser foot 000, if necessary cording foot 499 Lower thread normal sewing thread or synth. thread

Stitch with: 0 Stitch length: 4

Needle position: center
Automatic: 0 WWWW and MW

Feed-dog: to sewing

Sew a trial sample.

B. Cordonnet in the bobbin case

If the work cannot take the thick no.110 needle, the cordonnet thread must be sewn as lower thread. In this case, work is done on the back of the material if the sewing line is not visible, e.g. when sewing-on pockets, they are first sewn on from the right side with darning thread (contrasting colour), stitch length 4. This basting seam provides the sewing line on the back and is easily removed at the end.

There are two possibilities of sewing cordonnet from the bobbin case.

1. Normal backstitch

Needle No. 80

Presser foot No. 000
Upper thread normal sewing thread or synth. thread,

colour as cordonnet

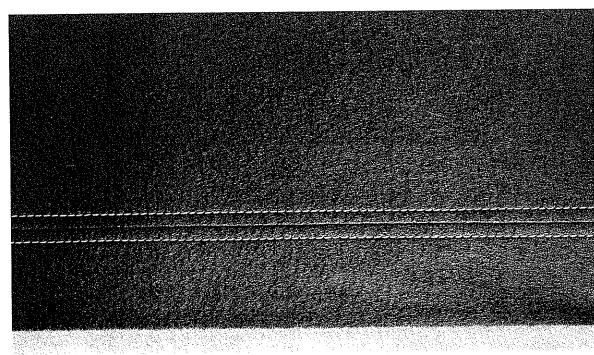
Stitch with: 0
Stitch length: 4

Needle position: center
Automatic: 0 WWWW an

Automatic: 0 WWWW and WW Feed-dog: to sewing

Place bobbin with cordonnet in case (use cordonnet case, it is identified by a black flap). **Sew a trial sample.**

Standard straight stitch: stitch length 4



Decorative Seams with Cordonnet (silk, cotton, synthetic cordonnet)

Saddle stitch

2. Saddle stitch hook) (Only for Bernina machines with CB-bobbin

4 mm), this can be obtained using the Magic needle and zigzag stitch (not blindstitch). If a particularly long stitch is required (over

Thread upper eye of Magic needle Presser foot No. 000

Upper thread normal sewing thread or synth.

thread colour as cordonnet

Stitch width:

Stitch length: Needle position: center 2-4

Automatic: 0 wwww and www

Feed-dog: to sewing

Place cordonnet in bobbin case as in 1.

material. Work is again performed on the back of the

Sew a trial sample.

basting) at the left-hand needle penetration. Warning: the decorative seam is formed (as with

thread with this needle. See introductory com-Therefore cordonnet cannot be sewn as upper The Magic needle is only available as No. 80.

Fancy saddle stitch

tive fancy saddle stitch. The Bernina universal stitch produces an attrac-

Thread upper eye of Magic needle Presser foot No. 000

Upper thread normal sewing thread or synth thread

Colour: contrasting with cordonnet

Stitch width:

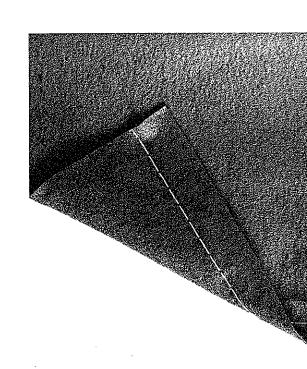
Stitch length:

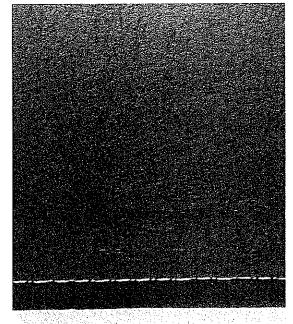
Automatic No. 3 ///// Feed-dog: Needle position: center to sewing

Sew a trial sample.

Saddle stitch and fancy saddle stitch are suitable for soft materials.

Fancy saddle stitch





caused by incorrect handling of the aged by the needle and needs repolish- movement. The machine must be dis- Generally, most examine whether: breakdowns are

flat side of the needle must be at the a) the needle is inserted properly (the

back);

needle and thread table); b) the correct needle is being used (see

free arm cover plate and remove sewing c) the machine is claned properly. Lift

between the thread tension discs or e) there are pieces of thread caught under the bobbin case spring;

f) handwheel is secured properly;

g) before starting to sew please always hole knob (21) is at position «0». ensure that the marker of the button-

b) use of inferior needles (buy them

c) needle inserted wrongly. Flat side must be at the back;

e) poor quality or knotted thread. Thread has dried out due to long stor- seam results:

the free arm cover plate to authorized needle and needs repolishing (bring f) the needle plate hole is pitted by Bernina dealer);

g) hook point is damaged (call authorized Bernina dealer).

3. If bottom thread breaks.

b) bobbin is crushed and jammed in the bobbin case;

change needle plate).

ing causes:

d) the hook race is clean and oiled;

2. If the upper thread breaks. Can have the following causes:

a) the thread is too tight;

preferably at a Bernina dealer);

d) the needle is blunt or crooked;

age;

the following causes: Can have

a) the bottom thread tension is too tight; ly (call authorized Bernina dealer); b) foot starter does not function proper-

machine. If breakdowns do occur then ing (call autorized Bernina dealer to

4. Faulty stitches. Can have the follow-

correctly (push needle right up in the foot starter. b) needle is crooked or not inserted pert, please take along accessories and a) wrong needle. Use system 705 B only; needle bar!);

c) low quality needle, roughly polished

5. Needle breaks. Can have the following causes:

tightened; a) needle clamp screw is not sufficiently

should always be withdrawn to the rear); in, therefore it bent, touched the throat b) the material was withdrawn towards plate and broke; was pushed whilst the needle was still c) when sewing over thick part material the operator and needle bent (material

d) when cheap cotton, irregularly twisted or even containing knots is used.

တ Seam irregularities. A bad uneven

thread tension discs; bobbin case tension spring b) if thread remnants are under a) if thread remnants are between the

7. Machine runs slowly

(call authorized Bernina dealer); a) Motor does not function properly

c) tension of driving belt is either too

tight or too loose;

c) needle hole in throat plate is dam- d) use of low quality oil can block the mantled and cleaned. Call Bernina dealer;

e) machine has been standing in a cold

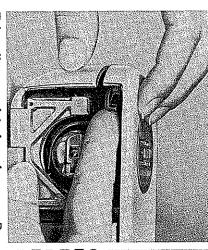
room.

When you bring your machine to an ex-

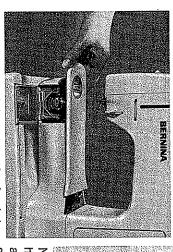
again become fluid.

Cleaning and oiling

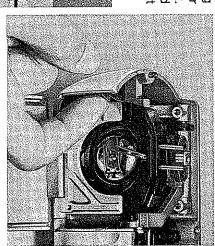
If the machine has been standing in a Cleaning the machine. During sewing be removed from time to time so that pieces of thread and fluff collect under The cover plate of the free arm should the needle plate and around the hook. the sewing fluff can be cleaned away.



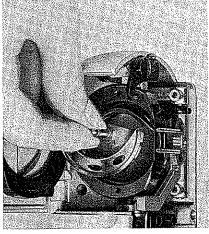
hook cover. Hold cover plate with the mov presser foot and needle. Open releasing lever. forefinger of the right hand press the left hand and at the same time with the Take off cover plate from free arm. Re-



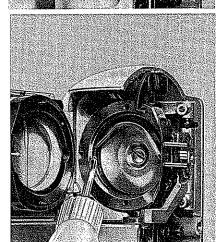
be cleaned at the same time. is exposed and can be easily cleaned The under side of the needle plate can After removal of the cover the feed dog



right hand press latch to the left. The race cover can now be turned down. locking bridge together with the hook bobbin case. With the forefinger of the hours of sewing 1-2 drops of oil. Remove Cleaning and oiling the hook. After 3-4



removing thread particles. such as screwdrivers and scissors for and cotton duster. Never use hard tools hook race cleaned with small brush Now the hook can be taken out and the



place the free arm cover by sliding it Oil a little after cleaning the hook race. cover down. The latch is self-locking. groove provided for it. Press the arm small metal projection on toward the vertical arm until in. Check by turning handwheel. Reand lock the bridge. Latch must snap Insert the hook again with the left hand hinged hook cover can be closed After inserting the bobbin case the the

