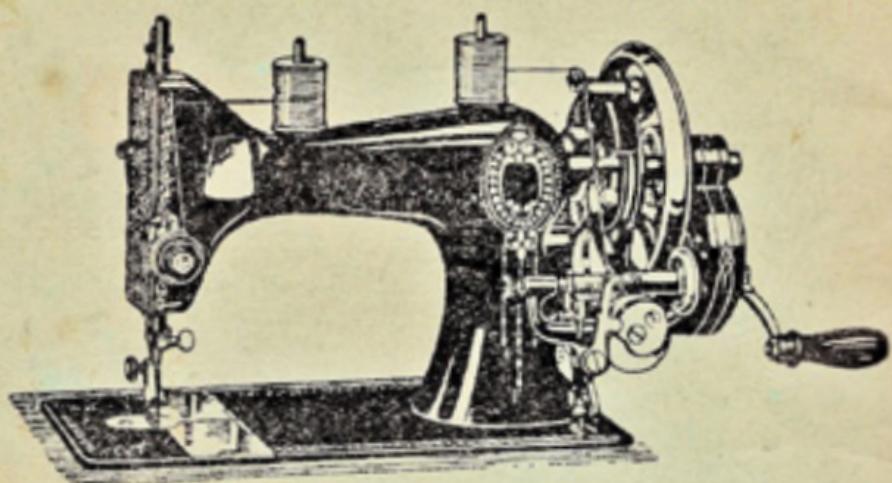


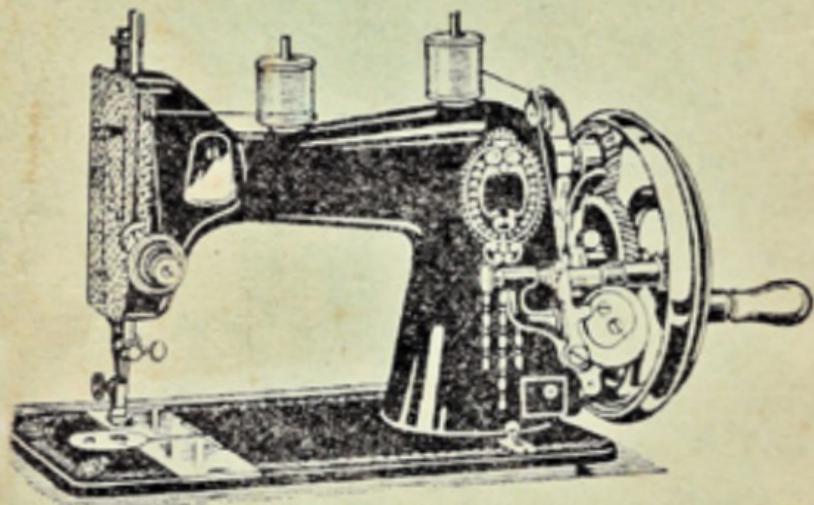
Instructions
for using the
vibrating shuttle
sewing machine
MUNDLOS
ORIGINAL-VICTORIA
Class 77





**Hand sewing machine
with turning gear
System I**

The machine is worked by gear wheels
specially fitted on.



**Hand sewing machine
with turning gear
System II**

The machine is worked by direct
transmission.

When ordering please
state the system of turning gear required

*Manual restoring project: Judi Mckail, Sew What Maryborough Travelling
Sewing Machine Museum, Victoria, Australia*

*Grafic processing and re-design: Signe Grassman, Grassman Ord & Bild,
Stockholm, Sweden*

**Before you start to use this machine
please read**

**the general directions and then follow
them exactly.**

**Do not forget: As soon as the machine is
unpacked drop a few drops of petroleum
into the oil holes, run the machine a short
time and then lubricate well.**

Manual restoring project:

Judi Mckail

Sew What Maryborough

Travelling Sewing Machine Museum

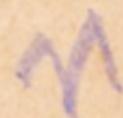
Victoria, Australia

Grafic processing and re-design:

Signe Grassman

Grassman Ord & Bild

Stockholm, Sweden



General directions

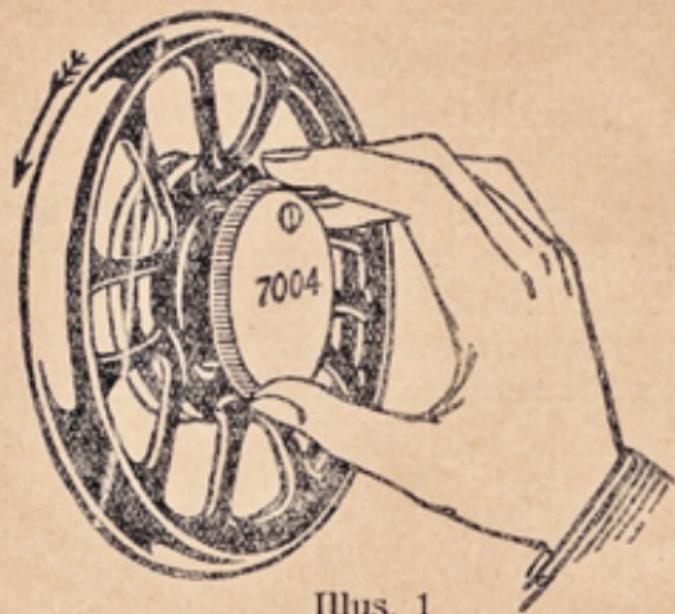
True to its principle of supplying nothing but the best, the factory manufactures sewing machines only. For this reason it is possible to construct sewing machines of unsurpassable quality by using only the best materials and special machinery of the highest precision, thus ensuring the highest standard of excellence.

Every machine on leaving the works has been tested for perfect sewing and is thus ready for use. Before despatch all bright parts are well greased to prevent rusting. On unpacking the grease must be removed and the machine lubricated with best sewing machine oil.

The presser foot must never be lowered on the needle-plate without the work being placed on the plate beforehand. The machine must not be started working till the shuttle-plate is fully closed. Inattention to this may easily cause damage to the machine.

Never turn the machine on the reverse as this will affect the good running of the inner parts of the machine.

While sewing the fabric must not be helped forward by forcing it with the hand; this movement must be left entirely to the action of the machine. Disregard of this leads to frequent breakage of needles.

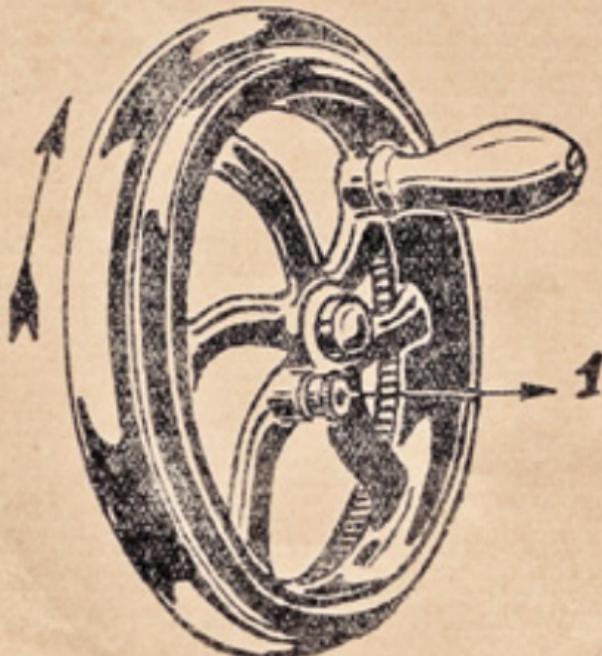


Illus. 1

Disconnecting the fly wheel on the machine style I

This is done for putting the mechanism of the machine in and out of action. To put into action turn the screw-cap to the right, and to put out of action turn it to the left.

When spooling, the mechanism must be disconnected, i.e., the screw-cap must be turned to the left.



Illus. 2

Disconnecting the fly wheel on the machine style II

This is done by pulling out and turning the head 1 (see illus. 2). To put into action again, turn the head round till it springs back by itself.

Directions for selecting suitable needles and thread

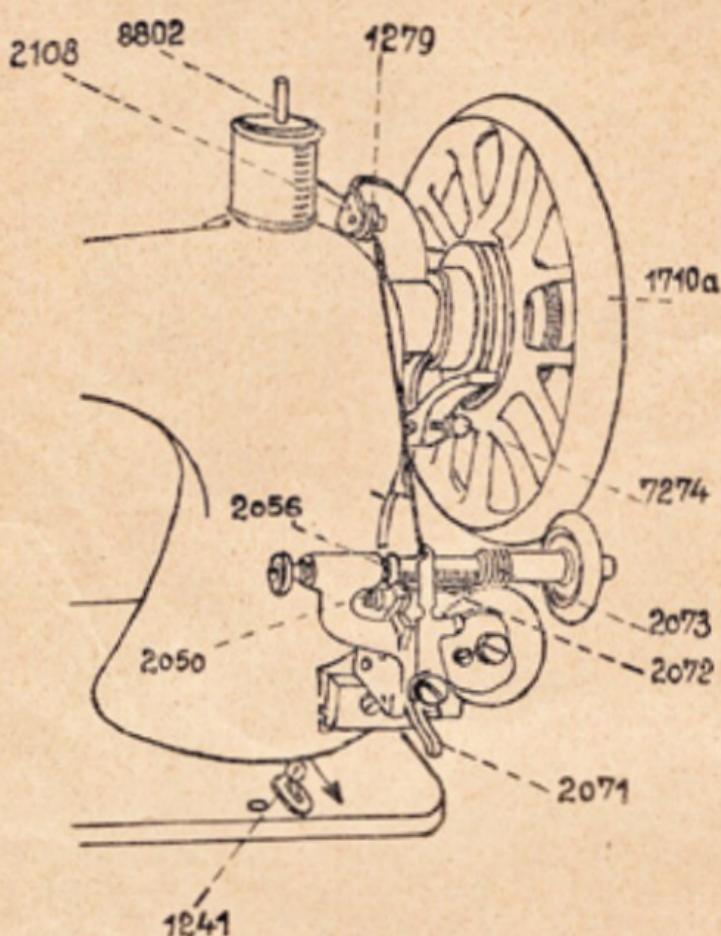
The thread should be chosen in accordance with the material to be sewn. It should be kept in mind that for machine-sewing finer thread numbers must be used than for hand-sewing. Only best soft cotton should be used. Glazed thread must never be employed in machine-sewing.

American no.	Size of needles qual. 691 or 705, with flat shaft			MATERIAL	Numbers of the cotton, linen and silk threads
	English no.	American no.	German no.		
9	0	7	7	Lace, nainsook, batiste and fine silk	100—150 of cotton or 000 of silk
11	B	8	8	Finest muslin, linen and cambric . . .	80—100 of cotton or 00 of silk
14	1½	9	9	Heavy silk, light woollens, calico and muslin . . .	60—80 of cotton or 0 of silk
16	1	10	10	Unbleached muslin, cotton, flannel etc.	50—60 of cotton or A & B of silk
18	2	11	11	Fustian and light tailoring material	20—40 of cotton or B & C of silk
19	3	12	12	Heavy and coarse cloth generally, and heavy tailoring material . . .	16—20 of cotton or C & D of silk

Upper and lower threads should bear the same number. Care must be taken not to use bent or blunt needles.

Winding thread on the bobbin

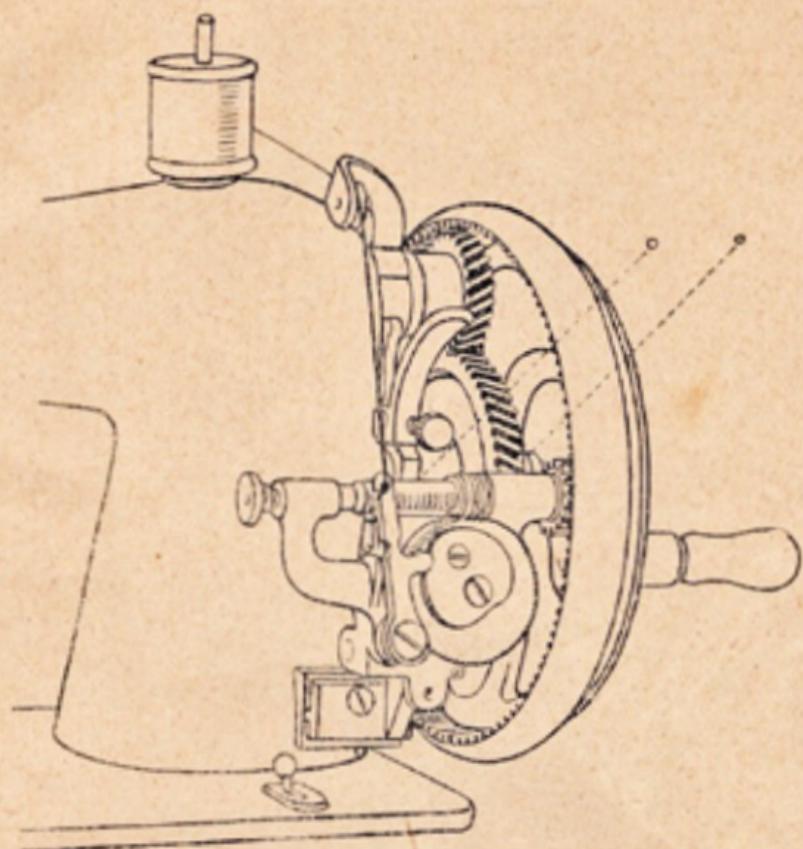
Spooler for Machine System I



Illus. 3

Put the reel on spindle 8802, lay the thread under hook 2108 and lead it between the discs 1279 to the bobbin. Fit the bobbin in the spooler by inserting the small pin of the spooler spindle into the corresponding hole in the bobbin, at the same time pressing the thread between bobbin and spooler spindle at the right side. After disconnecting the mechanism of the machine (see page 2) press the lever 2071 upward. This connects the spooler with the flywheel 1710a and spooling can begin. As soon as the bobbin is full the spooler disconnects itself automatically from the flywheel and the filled bobbin may be removed for use in the machine. Should the spooler disengage before the bobbin is filled, unscrew a little the regulating pin 2050, behind which the hook of the spool cover 2072 holds when the spooler is set in. If, however, the spooler fails to disengage when the bobbin is full, the regulating pin must be screwed up a little.

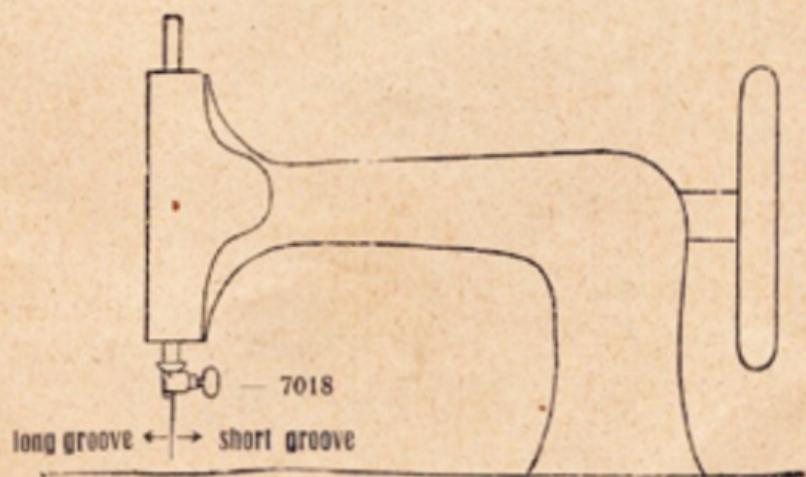
Spooler for Machine System II



Illus. 4

Spooling is done in exactly the same manner as described on page 4, excepting that the spooler is engaged by pulling its upper part forward slightly.

To set the needle



Illus. 5

First bring the needle rod to its highest point, loosen the winged screw 7018, and slide the shaft of the needle into the needle-holder as far as it will go. The long groove of the needle must be to the left, the short groove to the right (see illus. 5). The needle is fastened by tightening the winged screw 7018.



Illus. 6



Illus. 7



Illus. 8

Placing the filled bobbin in the shuttle

Take the shuttle, with the slit in front, in your left hand, and the filled bobbin in your right, so that the end of the thread passes in front from left to right, and let the bobbin slip into the shuttle. (See illus. 6.)

To thread the shuttle

Pass the thread through the slit and draw it well downward. (See illus. 7.)

Then draw the thread upward, thus completing the threading. (See illus. 8.)

To remove the shuttle from the machine

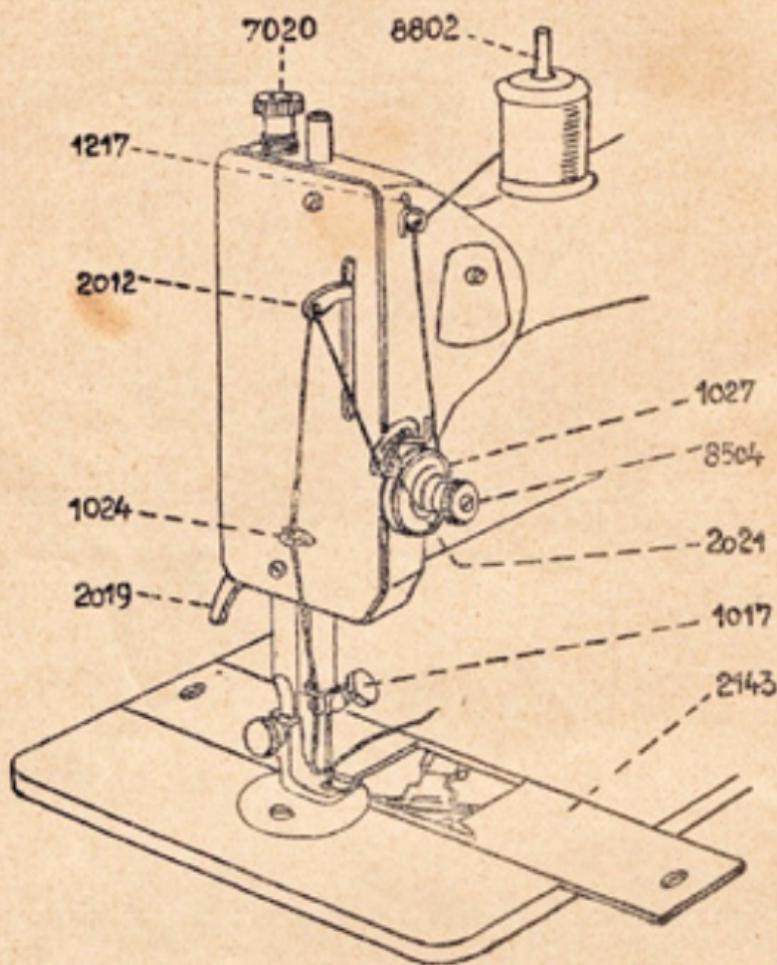
Open the front shuttle-plate 2143 (see illus. 9) and bring the shuttle-rest under the opening by turning the flywheel. Then press forward, in the direction of the arrow, the small knob 1241 on the shuttle ejector. This raises the shuttle which can then be easily removed.

Threading the machine

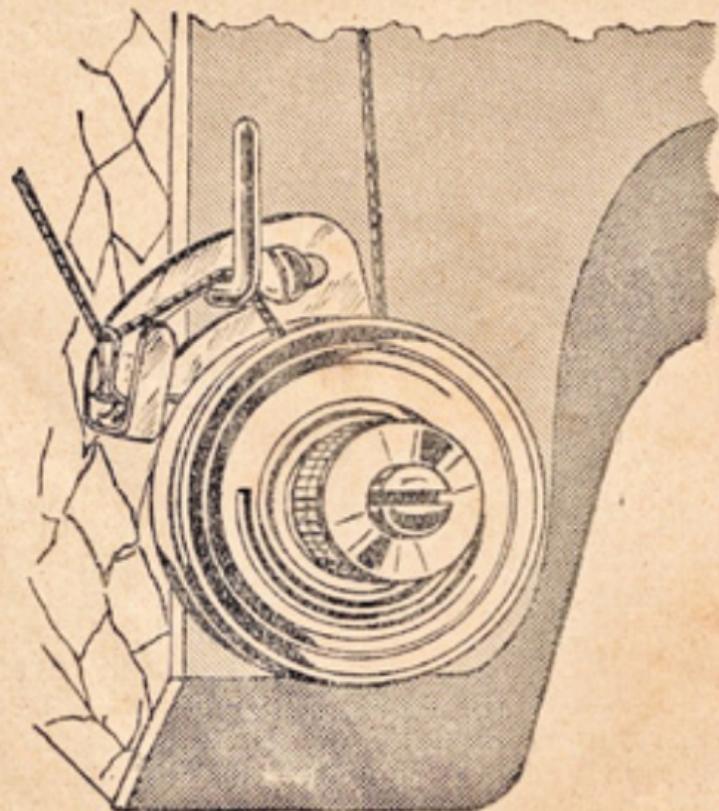
(Upper Thread)

Put the reel of thread on the spindle 8802, draw the thread through the hook 1217 and from there downwards and place it from right to left between the tension discs 1027. Then pass it through eyelet of the thread regulating spring 2021, thread it through the hole in the thread lever 2012, then again downwards through the eyelet 1024, next pass it behind the hook 1017 at the lower end of the needle rod,

and finally pass it from left to right through the eye of the needle (see illus. 9 and 10).



Illus. 9



Illus. 10

Commencing sewing

To draw the lower thread upward hold the upper thread, but not too tight in order not to bend the needle, and work this up and down once. The under thread now appears through the needle plate hole in the form of a loop and, with the upper thread, is drawn towards the back under the presser foot.

Regulating the tensions

To obtain a perfect seam the tensions on the upper and lower threads must be uniform. If the shuttle tension is tight and the top tension too loose, the lower thread will lie straight along the fabric, because the top tension is not strong enough to pull it in. (See illus. 11.)



Illus. 11

On the other hand, if the shuttle tension is too loose and the top tension too tight the seam will appear as in illus. 12.



Illus. 12

Correct adjustment of both upper and lower tensions will result in the two threads catching each other in the middle of the fabric. (See illus. 13.)



Illus. 13

The tension of the upper thread is regulated by turning the nut 8504 (see illus. 9).

7381



Illus. 14

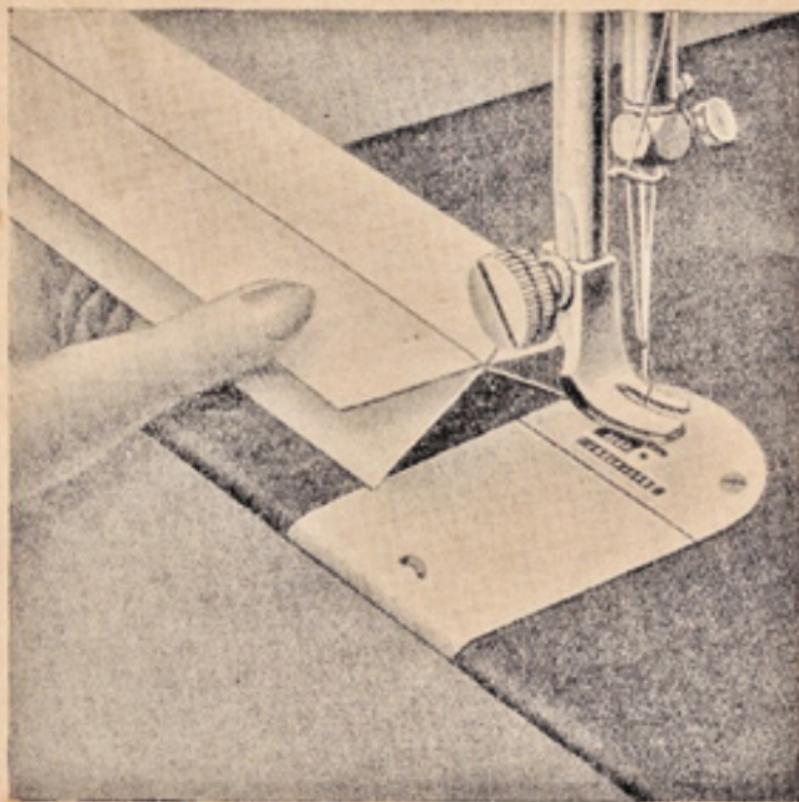
and the tension of the shuttle thread by tightening or loosening screw 7381 (see illus. 14).

To turn a corner

stop the machine leaving the needle half way in the fabric; lift the presser-foot and turn the work as required.

To take the work out of the machine

raise the needle to its highest point, lift the presser-foot by the lever 2019 and



Illus. 15

draw away the work to the back of the machine. (See illus. 15.)

Regulating length of stitch

(See illus. 3)

When the screw 7274 is in a horizontal position the length of stitch is nil, the screw being screwed quite up. By unscrewing it and raising the lever the stitch can be lengthened as desired. To shorten the stitch turn the screw in again.

Fastening off by sewing backward

Sewing backward must only be employed when fastening off a seam: long seams must not be sewn backward. Press the lever down, without turning the screw 7274 (see illus. 3), until resistance is felt; the length of stitch will remain unchanged when doing this.

To sew forward again, push the lever up to its original position.

Whether sewing forward or backward the fly-wheel must always turn the same way, i.e., the revolving direction of the wheel must, under no circumstances, be changed. (See illus. 1 and 2.)

To regulate the pressure of the presser foot on the fabric

turn the screw 7020 (see illus. 9) to the right if more pressure is required, and to the left for less pressure. Thick and strong fabrics require more pressure according to the character of the material, while finer fabrics, such as voile, silk, etc. require a lighter pressure. Pressure not suited to the material will cause faulty stitching

Missing stitches

If the machine misses the stitch, the following points must be attended to:

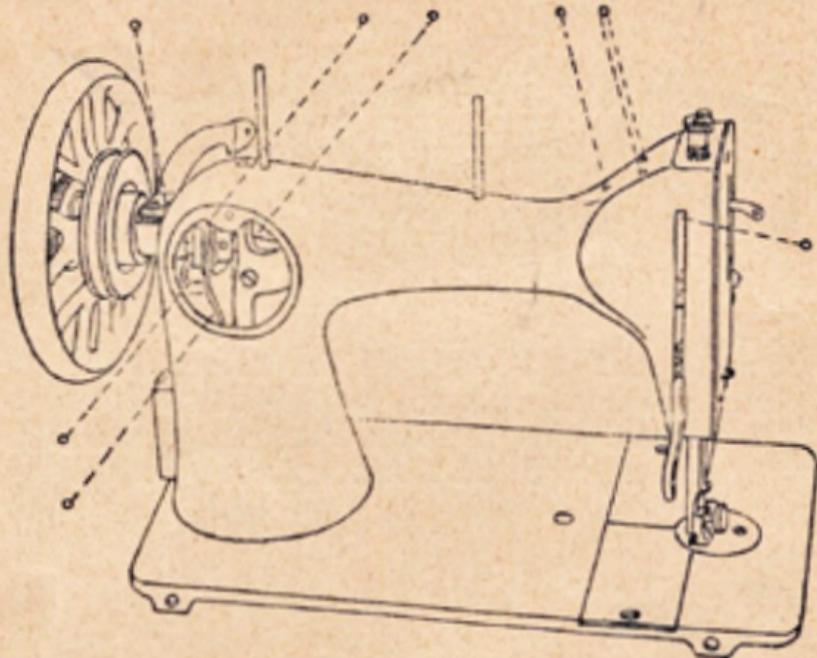
1. Is the needle correctly set, according to directions (see illus. 5)?
2. Is the needle blunt or bent?
3. Is the needle in the machine the proper one for the thread used?
4. Is the pressure on the presser-foot suitable for the work?

Breaking of threads

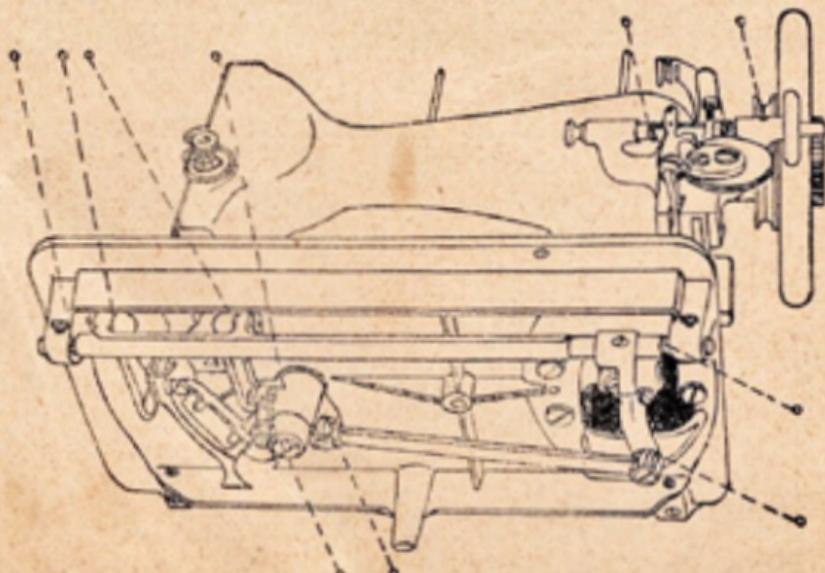
The upper thread breaks or unsightly seams are formed if the needle is too thick for the thread or the under thread is too thin. The tension on upper or lower thread may also be too tight; the necessary adjustment will quickly remedy the fault.

Oiling and cleaning the machine

For oiling only the best oil should be used, in no case rape seed or poppy seed oil, etc., as these oils congeal and cause heavy running. Do not omit to oil the heart-shaped guide (slit at back of arm-head, and through the slit the inner parts, the heart-shaped curve and roller). All the places to be oiled are indicated by points in illustrations 16 and 17. To reach the places to be oiled inside the arm open the cover at the back of machine by sliding it sideways. Do not neglect to keep the hand wheel bearing oiled, when doing this disconnect the wheel.



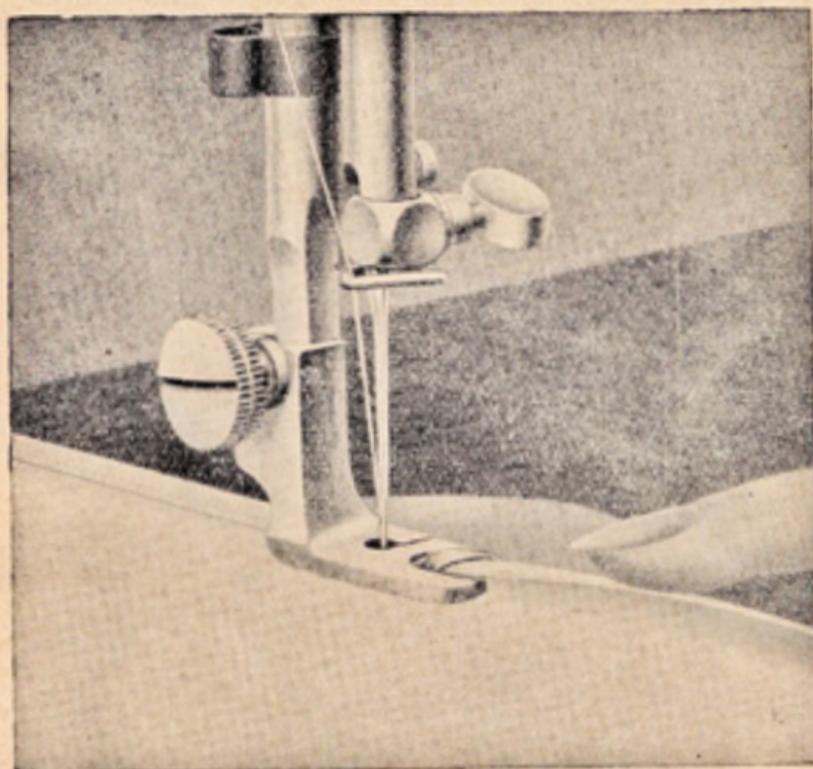
Illus. 16



Illus. 17

A P P L I A N C E S

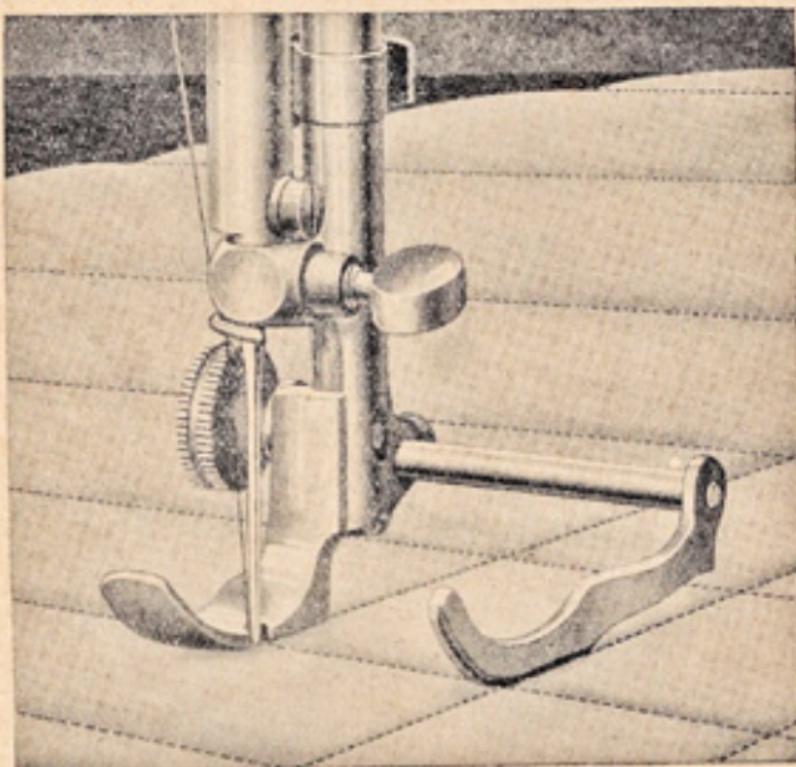
The hemmer



Before putting the material into the hemmer, cut it at the corner where the hem is to begin and turn it over nearly half an inch wide. The material must be drawn in far enough to be readily caught by the needle. When hemming special care must be taken to see that the material always completely fills the opening of the hemmer. Should the edge of the material slip out of the hemmer, hold the material a little higher to the right, or, if too much has got in, hold it a little lower to the left.

Missing pages propably had text and illustrations/photos about various appliances. No replacement found in the "class 79 instructions".

The quilter



The quilter is fixed to the edging foot according to the distance the seams are required to be apart, and high enough for the wadded material to pass underneath it.

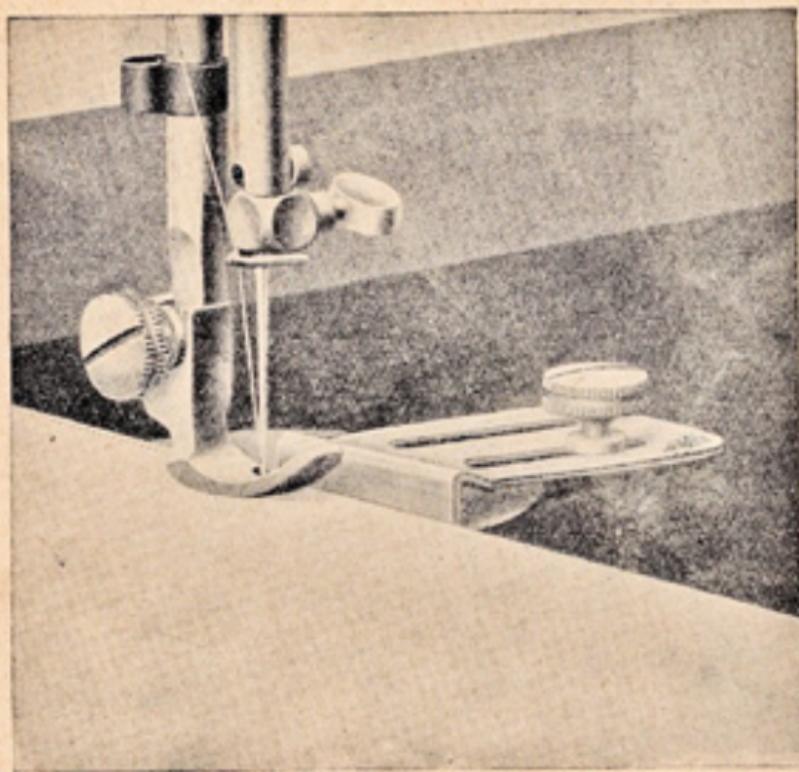
As soon as the first seam has been made at the required distance from the edge, the quilter must in the following seams be guided along the previous seam: this keeps the distances between the seams always uniform.

The edging foot

(see above illustration)

or single sided sewing foot, is used for making seams close along the edge of the material.

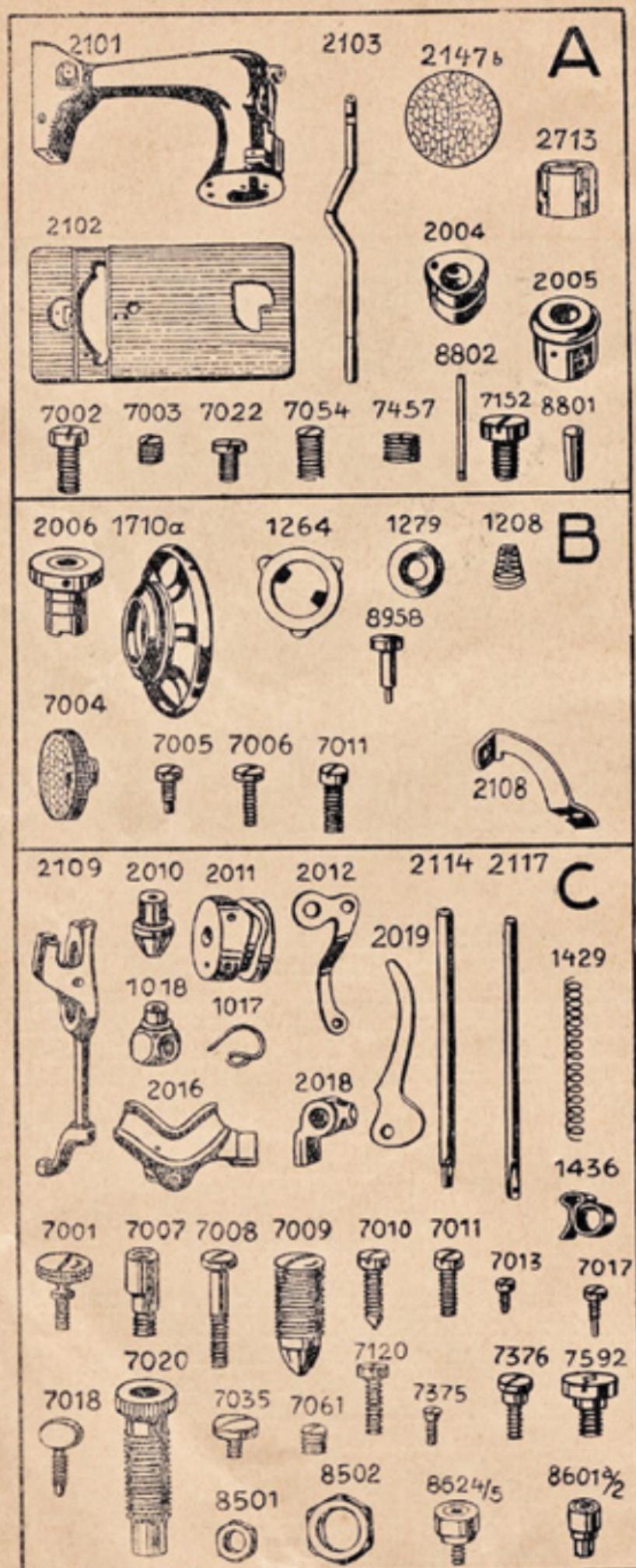
The stitch guide



The stitch guide is used in order to obtain a row of stitching parallel to the edge of the material. Use the ordinary presser foot or the edging foot and fasten the stitch guide at the desired distance by means of the headed screw on the bed plate.

Accessories

- Ordinary sewing foot in the machine 9157
- Edging foot with quilter 9129/30
- 4 Spools (including 1 in shuttle)
- 6 Needles (including 1 in the machine),
3 medium sizes, assorted
- 1 Adjustable hemmer
- 1 Straight guide
- 1 Oil can
- 1 Screw driver for shuttle
- 1 Medium screw driver
- 1 Spring for thread tension
- 1 Appliance fastening screw in the machine



A

2101	1	Arm
7002	3	Fastening screw for arm
8801	2	Fastening pin for arm
2147b	1	Arm cover
7022	1	Screw for arm cover
8802	2	Pin for reel
2102	1	Base
7003	2	Fastening screw for hinge
2103	1	Arm shaft
2004	1	Eccentric for arm shaft
7054	1	Fastening screw for eccentric
2005	1	Box for arm shaft
7003	1	Fastening screw for box
2713	1	Set ring for front bearing
7457	1	Fastening screw for set ring
7152	2	Fastening screw for hinge

B

2006	1	Disengaging box
7011	2	Screw for disengaging box
1710a	1	Hand wheel
1264	1	Disengaging disc
7004	1	Disengaging screw
7005	1	Stop screw for disengaging screw
7006	1	Fastening screw for belt cap
2108	1	Carrier for thread discs
1279	2	Thread disc
1208	1	Spring for thread discs
8958	1	Pin for thread discs

C

2109	1	Oscillating lever
7008	1	Regulating screw for oscillating lever
7007	1	Eccentric screw pin
7035	1	Screw for eccentric screw pin
8501	1	Nut for eccentric screw pin
2010	1	Conical pivot for oscillating lever
7009	1	Pointed screw for oscillating lever
8502	1	Nut for pointed screw
2011	1	Thread lever roller
7011	1	Screw for thread lever roller
7010	1	Screw for thread lever roller
2012	1	Thread lever
7592	1	Pivot screw for thread lever
8601a/2	1	Pin and roll for thread lever roller
2114	1	Needle bar
1018	1	Needle holder
7018	1	Fastening screw for needle holder
1017	1	Thread guide for needle bar
7017	1	Screw for thread guide
2016	1	Heart
7013	1	Fastening screw for heart
7120	1	Clamping screw for heart
7375	1	Regulating screw for heart guide
8624/5	1	Pin and roll for heart
2117	1	Presser bar
2018	1	Guide for presser bar
7061	1	Fastening screw for presser bar guide
7375	1	Regulating screw for presser bar guide
1429	1	Spring for presser bar
7020	1	Regulating screw for presser bar spring
2019	1	Lever for presser bar
7376	1	Screw for presser bar lever
7601	1	Fastening screw for sewing foot
1436	1	Thread cutter

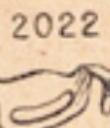
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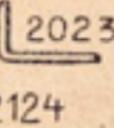
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2022

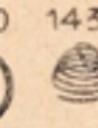
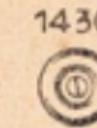
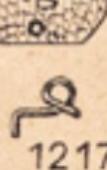


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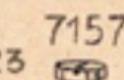


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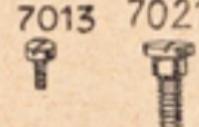
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7215



1217

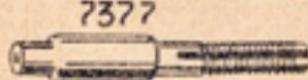


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8504

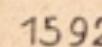


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2127

1592



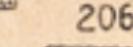
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E



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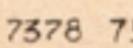


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7043

7566



8516



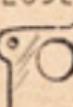
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2131



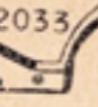
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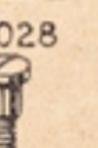
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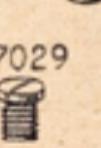
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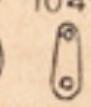
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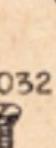
8501



1041



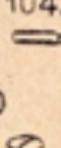
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F



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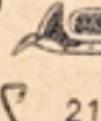
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2079



2080



G

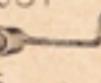
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2178



2081



1241



1243



7022



7034



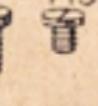
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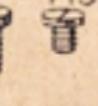
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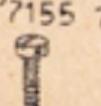
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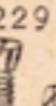
7229



1244



7384a



8805a

D

2120	1	Front plate
7350	2	Fastening screw for front plate
1024	1	Thread guide on front plate
7023	1	Screw for thread guide
7377	1	Tension bolt
7215	1	Fastening screw for tension bolt
2021	1	Spring for thread regulator
2022	1	Thread regulator
7013	1	Fastening screw for thread regulator
2023	1	Thread guide
1027	2	Tension disc
8858	1	Pin for loosening tension
1430	1	Disc for loosening tension
2124	1	Lever for loosening tension
7021	1	Screw for tension loosening lever
1431	1	Tension spring
8504	1	Nut for regulating tension
2126	1	Small arm cover
7157	1	Screw for small arm cover
1217	1	Thread guide for arm

E

2127	1	Feed rocking shaft
1592	2	Pointed bolt for rocking shaft
7566	2	Set screw for pointed bolt
2028	1	Block for rocking shaft
7043	1	Fastening screw for block
2029	1	Feed bar
7299	2	Pointed screw for feed bar
8516	2	Nut for pointed screw
2030	1	Feed plate
7025	1	Fastening screw for feed plate
8629	1	Roll for feed bar
7378	1	Pin screw for roll
2069	1	Spring for feed bar

F

2131	1	Stitch regulator fork
7028	1	Pin screw for fork
8501	1	Nut for pin screw
7190	1	Regulating screw for fork
8630	1	Roller for fork
7379	1	Screw pin for roller
2032	1	Stitch regulator casing
7032	2	Fastening screw for casing
2033	1	Guide for stitch regulator
1040	1	Brake disc for guide
7029	1	Screw for brake disc
7274	1	Screw for stitch regulator
1041	1	Brake spring for stitch regulator screw
1042	1	Pin for brake spring
7039	1	Fastening screw for brake spring

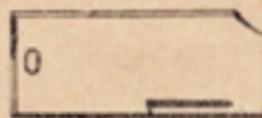
G

2034	1	Shuttle lever
7384a	1	Axle for shuttle lever
2035a	1	Collar for axle
7043	1	Fastening screw for collar
7034	1	Screw pin for shuttle lever
2136	1	Connecting rod
7155	2	Regulating screw for connecting rod
2079	1	Shuttle holder
7135	1	Fastening screw for shuttle holder
2080	1	Liner for shuttle holder
8805	2	Rivet for liner
2178	1	Shuttle ejector
7022	2	Screw for shuttle ejector
2081	1	Spring for shuttle ejector
1241	1	Button for shuttle ejector
1243	2	Guide for shuttle ejector
1244	1	Guide plate
7229	1	Fastening screw for guide plate

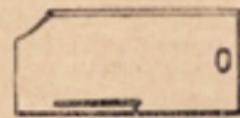
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2143

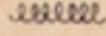


2144



H

1248



7350



8807



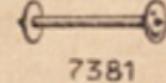
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9538



9539

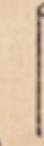


J

2048



2049



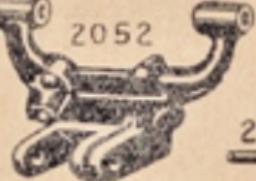
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2051



2052



K

2073



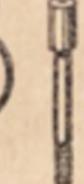
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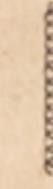
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2056



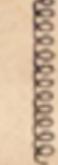
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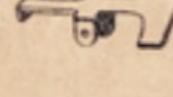
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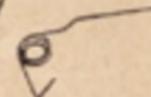
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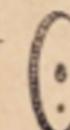
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2070



2063



2064



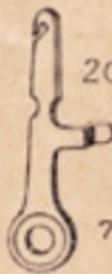
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2076



2067



2068



7043



7062



7065



7094



7098



7155



7214



7261



7326



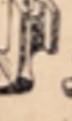
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8525



9155



9114



9115



9116

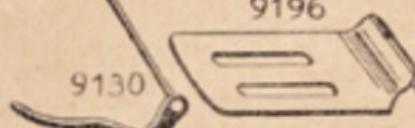


L

9129



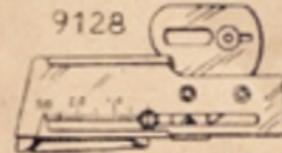
9196



2047



9128



7001a



9129a



H

2042	1	Needle plate
7350	1	Screw for needle plate
2143	1	Front cover slide
2144	1	Back cover slide
8807	1	Stop pin for cover slide
1248	1	Spring for pin

I

9537	1	Shuttle
9538	1	Spring for shuttle
7381	1	Tension screw for shuttle
9539	6	Spool

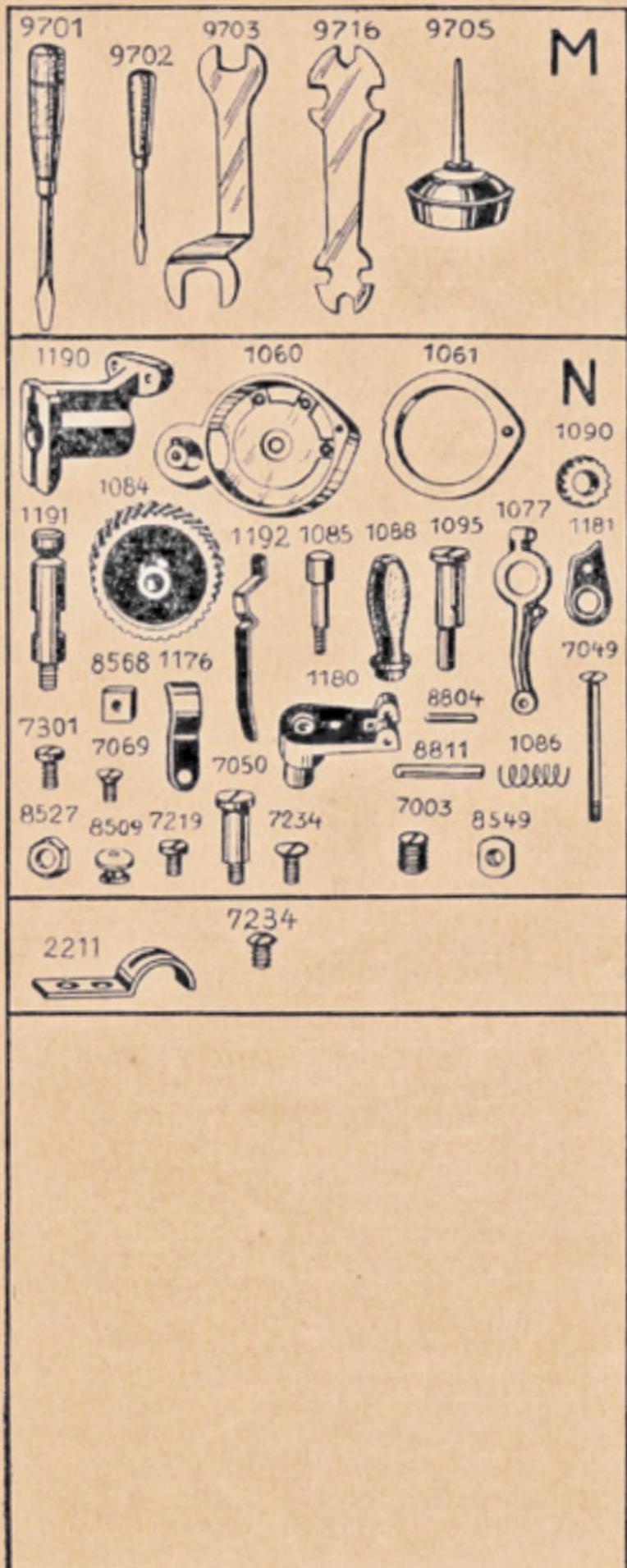
K

System I

2048	1	Winder jack
7043	1	Fastening screw for winder jack
2049	1	Hinge pin for winder jack
7062	1	Fastening screw for pin
2050	1	Regulating pin
7098	1	Screw for regulating pin
2051	1	Holder for regulating pin
7155	1	Fastening screw for holder
2052	1	Winder frame
2073	1	Winder spindle
1488	1	Winder disc
2055	1	Rubber ring for winder disc
2056	1	Piston
8525	1	Nut for piston
1065	1	Spring for piston
2071	1	Engaging lever
2058	1	Spring for engaging lever
2059	1	Stop pin for engaging lever
2072	1	Spool cover
7214	1	Hinge screw for spool cover
2070	1	Spring for spool cover
2063	1	Worm wheel
2064	1	Heart for worm wheel
7326	1	Fastening screw for heart
2065	1	Eccentric bolt for worm wheel
7485	1	Fastening screw for bolt
2076	1	Brake spring for worm wheel
2067	1	Thread guide lever
7261	1	Screw pin for thread guide lever
2068	1	Spring for thread guide lever
7094	1	Regulating screw for eccentric bolt
7065	1	Fastening screw for regulating screw

L

9155	1	Ordinary sewing foot
9114	1	Wide hemmer
9115	1	Narrow hemmer
9116	1	Feller
9128	1	Adjustable hemmer
9129	1	Edging foot
9129a	1	Screw for edging foot
9130	1	Quilter
9196	1	Straight guide
7001a	1	Screw for fastening guide
2047	1	Embroidering plate

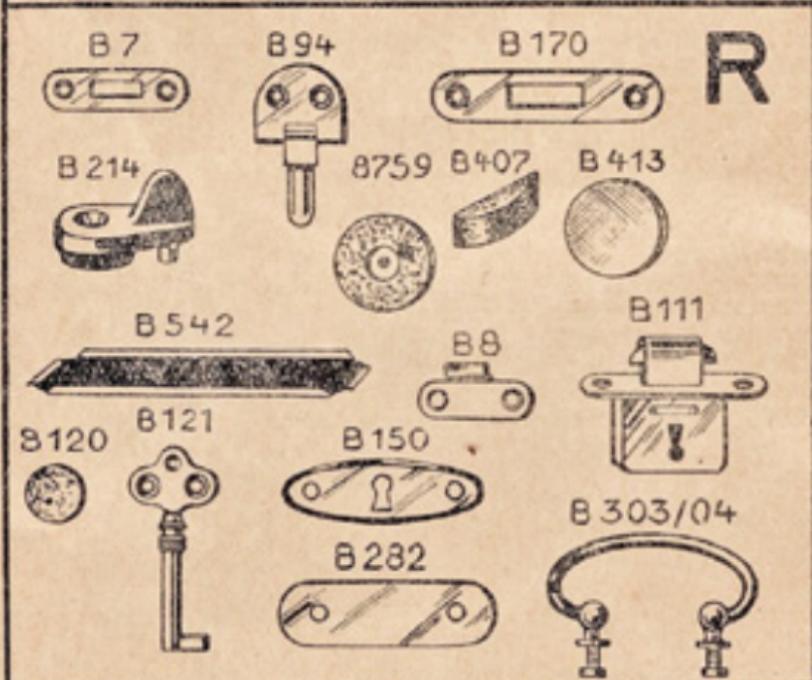
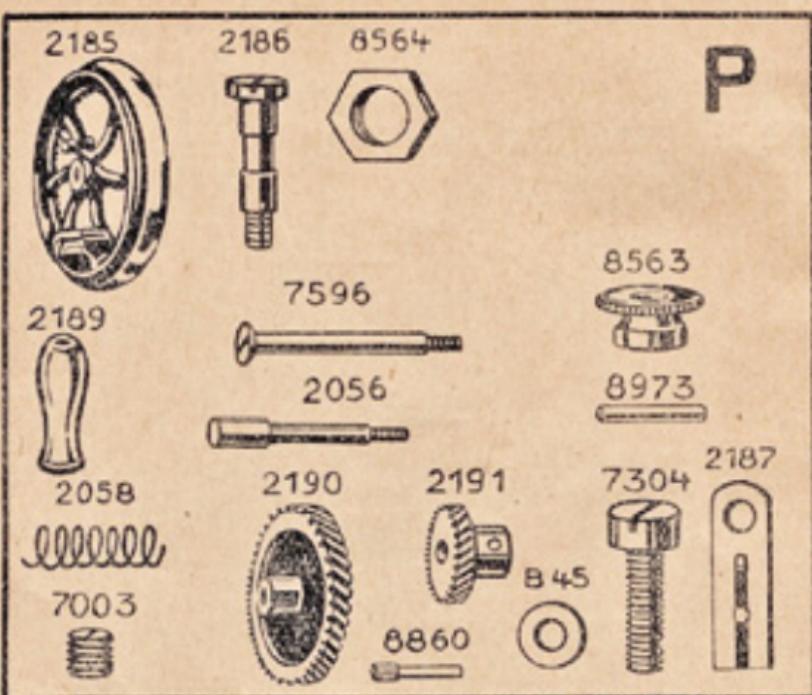


M

9701	1	screw driver
9702	1	screw driver for shuttle
9703	1	angular spanner
9716	1	spanner
9705	1	oil can

N

1060	1	casing
7069	1	fastening screw for above
1061	1	cover for casing
7234	1	fastening screw for above
1084	1	large toothed wheel
7050	1	shank sown for above
8549.	1	nut for shank screw
1077	1	turning lever
8811	1	hinge pin for turning lever
1085	1	piston for turning lever
1086	1	spring for piston
8569	1	nut for piston
7049	1	handle screw
8527	1	nut for handle screw
1088	1	handle
1090	1	small toothed wheel
1180	1	crank
1095	1	crank axle
7003	1	holding screw for crank axle
1176	1	crank spring
7219	1	fastening screw for above
1190	1	turning apparatus angle
1181	1	engaging plate
8804	1	hinge pin for engaging plate
1191	1	axle
1192	1	spring
7301	1	screw
8568	1	nut
7234	2	fastening screw for above



P

System II

2185	1	Hand wheel
2186	1	Axle for hand wheel
8564	1	Nut for axle
2189	1	Handle
7596	1	Screw for handle
2056	1	Piston
8563	1	Nut for piston
8973	1	Disengaging pin
2058	1	Spring for piston
2190	1	Large pinion
2191	1	Small pinion
7003	2	Fastening screw for small pinion
2187	1	Holder for hand wheel
7304	1	Fastening screw for holder
B 45	1	Washer for fastening screw
8860	1	Pin for holder

R

B 7	2	Slotted plate
B 94	2	Hinge complete
B 170	1	Bolt nab
B 214	1	Catch complete
8759	1	Leather disc for catch
B 407	2	Felt pad
B 413	4	Rubber foot
B 542	1	Tray for catching oil
B 8	2	Hook plate
B 111	1	Lock
B 120	4	Cork disc
B 121	1	Key
B 150	1	Key plate
B 282	1	Cover plate
B 303/04	1	Handle

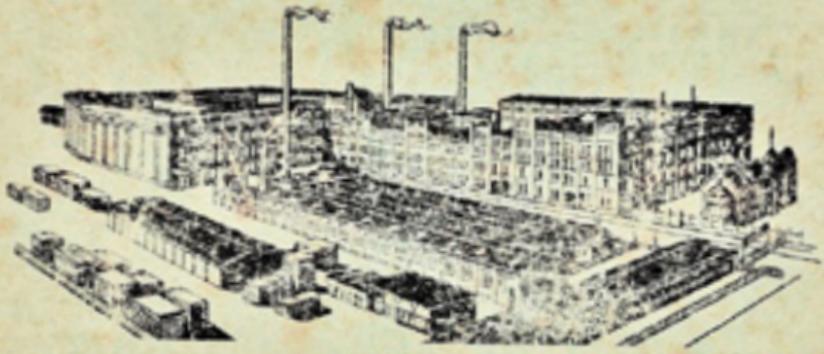
— 100 —
— 1000 —

If you wish at all
times to be satisfied
with your machine kindly
observe the following hint.

Mundlos Original Victoria Sewing Machines are masterpieces of German sewing machine technique, produced with the greatest precision. If your machine does not work, the fault can only lie in the operating. With the instructions to help you, examine where the fault lies and follow the directions. Never try to repair the machine yourself, nor allow any unskilled person to meddle with the mechanism. They spoil more than they help.

If you have trouble with the machine please send a postcard to the dealer who sold you it.

Should you still get no assistance, simply write to us at our works. We will see that you are always satisfied with your Mundlos Original Victoria Sewing Machine.



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Established 1863