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F.W. Müller

Hand Sewing Machine

Number 12

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The sewing machine contains a small box which is opened by a screw located in the middle (NB: this is a tin box located underneath the sewing machine). Located in the box are:

1. One oil can,
2. One screwdriver,
3. One ruler,
4. One hem guide,
5. Three needles.

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Instructions for use for Hand Sewing Machine Number 12.

Labelled parts are as follows:

- Thread Spool Pin
- Thread Tension Discs
- Thread Tension Knob
- Thread Guide
- Needle Bar
- Presser Foot Lever
- Presser Foot
- Looper Hook
- No item "I" is listed (assume Stitch Plate as "I" as it is missing from this diagram)
- Stitch Length Regulator

Dimensions:

- Length 30cm
- Width 17cm
- Height 24cm
- Weight 4kg
- Total packed weight 5kg

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This machine is delivered completely ready to sew. It is not necessary to screw or fasten the machine (to a table etc), as it is stationary thanks to the cork plugs in the feet.

The fabric to be sewn is placed on the *Stitch Plate* (I) below the *Presser Foot* (G), which is raised by the *Presser Foot Lever* (F), and the *Needle Bar* (E) which is raised by rotating the *Handwheel*.

After the fabric has been placed in the correct position, pull the thread 4 to 5 cm through the eye of the needle and place it backwards below the *Presser Foot*, then release the *Presser Foot* down again.

Now start sewing by turning the *Handwheel*; the thread should be held firmly with one hand until the first stitches are completed, then you can let go of the thread and guide the fabric with your hand.

It is important to follow these instructions.

If the thread is not held firmly, it can become entangled around the *Looper Hook* (H) and further sewing is impossible. The *Looper Hook* must be freed from thread before you can continue sewing.

If you want to access the *Looper Hook*, turn the protective *Guard Plate* (K) downwards in the direction of the arrow.

After finishing the seam, pull the fabric out after raising the needle and *Presser Foot*, and cut the thread. The final stitch is secure with a few needle stitches by hand.

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### **Thread Spool and Thread Guide**

Place the spool of thread on the *Thread Spool Pin* (A), take the thread and pull it from the thread spool pin on the right, around the back of and in between the two *Thread Tension Discs* (B) (wrap it counterclockwise coming in from behind around the front and out behind as shown in the diagram of the German instruction manual) through the *Thread Guide* (D) on the left, through the hole on the upper end of the *Needle Bar* (E), and down to the needle (threading from left to right).

### **Thread Tension**

Ensure that the thread tension is correctly regulated as a good seam is entirely dependent on this. The thread tension must be neither too tight nor too loose. The thread tension is regulated by turning the *Thread Tension Knob* (C); clockwise increases the tension and counterclockwise reduces the tension. A too tight or too loose thread tension can cause problem, and the thread can break, or loops can form.

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### **Inserting the Needle**

The needle is inserted in the following way:

Loosen the screw at the bottom of the *Needle Bar* (E), insert the needle upwards into the hole of the *Needle Bar* as deep as possible with the longer groove of the needle facing to the left (eye of needle left to right), and fasten it with the screw.

The needle used on this machine is the Willcox and Gibbs needle, which is available in the stores where this sewing machine was purchased, as well as spools and thread and spare parts.

### **Stitch Length Regulator**

The Stitch Length Regulator (J) is located below the Stitch Plate (I), and by bringing it forwards or backwards you can adjust the length of the stitch from small to medium or large.

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### **The Hem Guide**

The Hem Guide (provided accessory) is screwed onto the *Stitch Plate* (I) using the screwdriver in the box. It is important to ensure that the needle is stitching at the correct distance from the edge of the hem. The edge of the fabric is slightly folded over and passed through the hem guide. The ruler is used to guide the fabric in a straight line for long seams.

Note: It is necessary to oil the parts subject to friction every now and then. Individual spare parts available.