SINGER
136W105

SPECIAL INSTRUCTIONS

FOR USING AND ADJUSTING

SINGER*

MACHINE 136w105

The instructions given in Form 2236w apply to Machine 136w105 with the following exceptions:

Machine 136w105 has Horizontal Trimmer and continuous Wheel Feed, for simultaneously stitching the edges and undertrimming the linings of shoes, sandals, slippers, etc.

TO OPERATE THE TRIMMER

To throw the knife **A, Fig. 27** out of action, press down on the knurled nut **B, Fig. 27.** To throw the knife into action, move the handle **E, Fig. 27** to the right until the plunger **G, Fig. 27** springs into the hole **F, Fig. 27.**
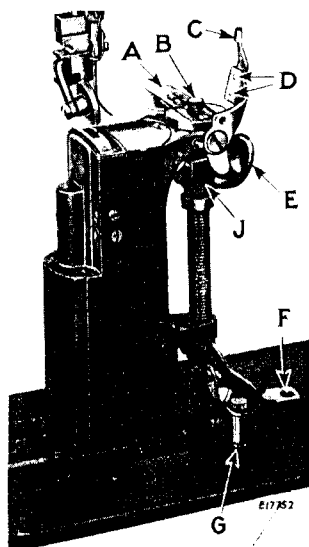

Fig. 27. Adjustments on Trimmer

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TO ADJUST THE EDGE GUIDE

The edge guide **C, Fig. 27** can be adjusted so that the knife will trim the edge of the under ply of leather from flush up to $\frac{1}{8}$ inch under the edge of the upper ply. To change the margin from the edge to the line of stitching on the upper ply of leather, loosen the two screws **D, Fig. 27** and move the edge guide **C** to the right or left until the desired margin is obtained, then securely tighten the screws **D.**

Fig. 27 shows the edge-guide swung out of its operative position. To bring the edge-guide into operative position, push back the handle **J, Fig. 27** of the locking pin and lower the edge-guide. Then release the handle **J** to securely lock the edge-guide in its operative position.

If desired, the edges of both the upper and under pieces of material can be trimmed simultaneously.

When desired, the throat plate can also be slightly moved sidewise to allow of narrower margin from the line of stitching to the trimmed edge.

TO TIME THE TRIMMER

The knife **A, Fig. 27** should be timed so that it is at its most forward position toward the operator and $\frac{1}{32}$ inch in front of the needle when
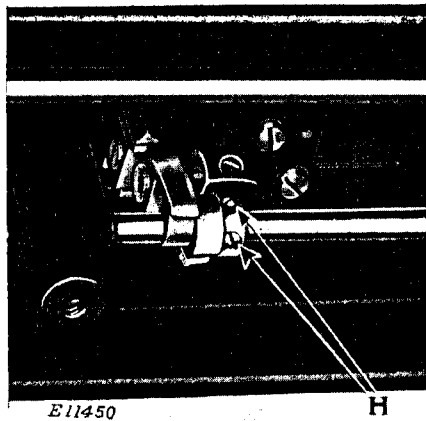

Fig. 28. View of Machine 136w105 Showing
Adjustment for Timing the Knife

the needle bar is at its lowest point. In case the knife is not correctly timed, loosen the two set screws in the cam **H, Fig. 28** and turn this cam on the shaft until the correct timing of the knife is obtained, then securely tighten the two set screws in the eccentric **H.**

TO SHARPEN THE KNIFE

When it is necessary to resharpen the knife **A, Fig. 27,** loosen the screw and remove the knife from the knife holder. Knife Hone 259283 should be used to sharpen the knife. As this hone can be used for several machines, it should be ordered separately.
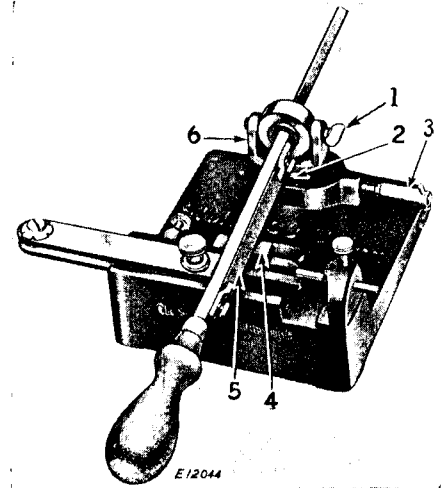

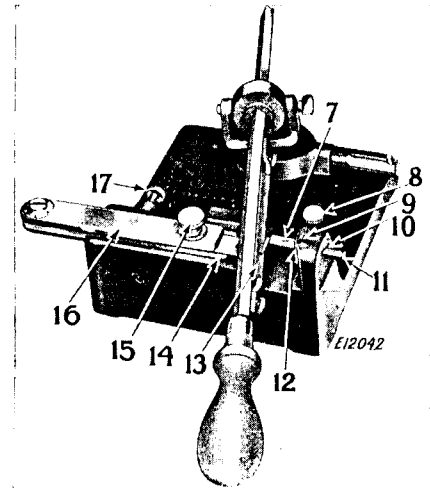Fig. 29. Setting Hone
at Proper Angle

Fig. 30. Knife Hone 259283
with Knife in Position
Ready to Sharpen

To set the hone at the proper angle, loosen the wing screw **1, Fig. 29,** rest the stone **5, Fig. 29** flat on the leveling surface **4, Fig. 29,** then tighten the wing screw **1.**

Loosen the adjusting screw **3, Fig. 29** and set the yoke **6, Fig. 29** as low as it will go while the end of the adjusting screw **3, Fig. 29** remains on the flat of the yoke bushing **2, Fig. 29,** then securely tighten the adjusting screw **3, Fig. 29.**

For 30° cutting angle knives the lower knife stop pin **7, Fig. 30** should be set flush with the outside surface of the casting **10, Fig. 30** so that the pin extends to the left toward the knife holder slide. Larger cutting angles may be obtained by moving the knife stop pin **7, Fig. 30** to the right. When flush with the inside surface of the casting **12, Fig. 30,** the cutting angle will be honed to 45°.

The knife stop pin **11, Fig. 30** not being used should be set as far as possible to the right, then tighten screws **8 and 9, Fig. 30.**

Clamp knife into position on knife holder **14, Fig. 30** and tighten thumb screw **15, Fig. 30,** slide holder **16, Fig. 30** into position on base until knife rests against the stop pin **7, Fig. 30,** tighten knife holder set screw **17, Fig. 30,** place hone **13** in position as illustrated in Fig. 30 and proceed to hone knife. Care should be taken not to press down too heavily on the knife.