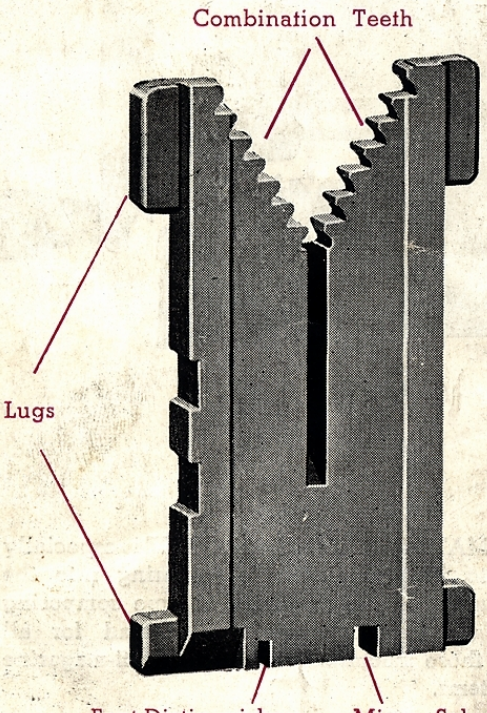
MATRIX MILLING MACHINE



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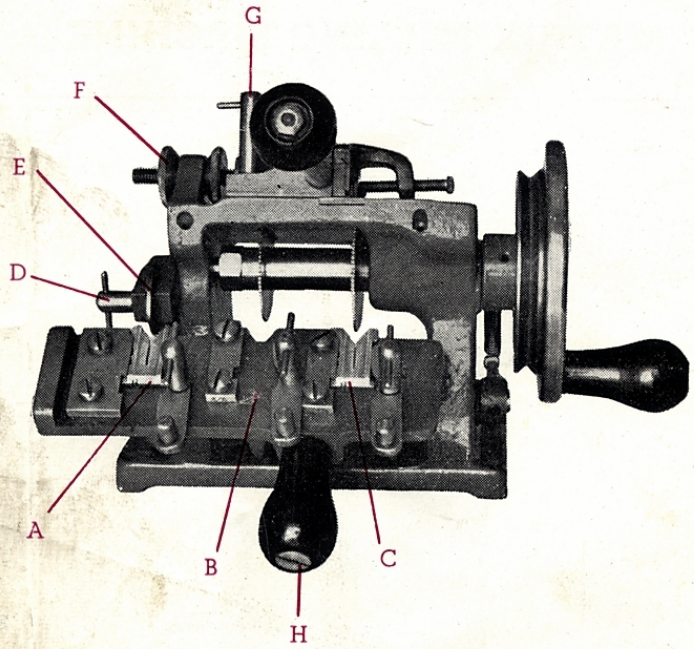
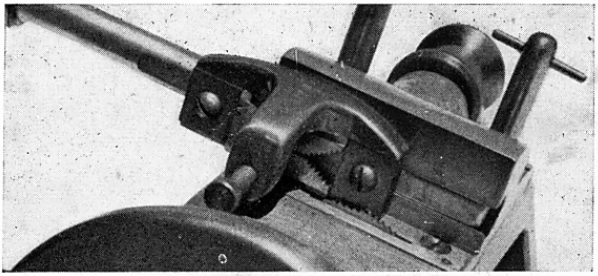


ESHAM'S MATRIX MILLING MACHINE is especially designed to fit Pi matrices for entering into the desired channel in the magazine of type composing machines. Its actions cover the demand for all models of those machines, including multi-magazine mixer systems.

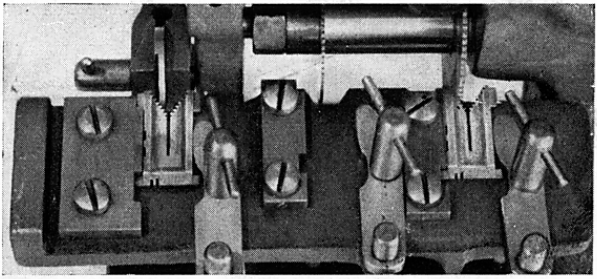
Changing of a Pi matrix into a running one, the following four operations are smoothly done by this milling machine.

1. Milling lugs to channel width.
2. Cutting combination teeth.
3. Cutting mixer selector notch.
4. Cutting font distinguisher slot.



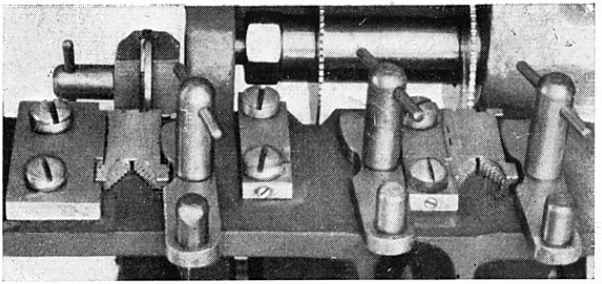
ACTION 1

Place matrix in the holding stick **with the Bar Slot facing outwards** and tighten the screw. Insert holding stick in the hole of the adjusting block. Width of lugs is adjusted by loosening one F nut and tightening the other while screws G are loosened. Revolve wheel anticlockwise, pushing holding stick lightly against the circular saw.



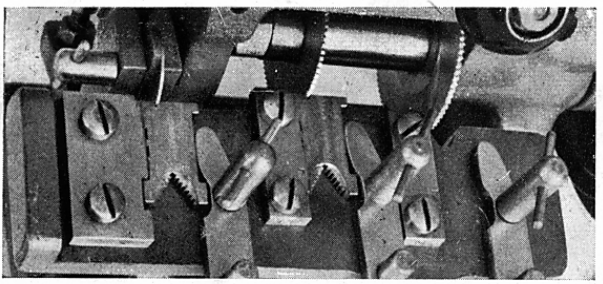
ACTION 2

As a model release a good matrix from the desired channel (a new one is preferred) and insert it in place A, letters to your left, combination teeth upwards, and tighten it by the lever and screw. Insert the Pi matrix in place C and tighten it. Loosen screw D and turn disc E so that the thick blade will be opposite the combination teeth. Hold handle H in left hand and move the tray until recess tooth of the model matrix engages blade E. Proceed upward motion until the Pi matrix in place C touches the circular saw. Now, revolve wheel quickly with right hand and **very lightly** touch the Pi matrix with the saw until the tooth is milled.



ACTION 3

As a model take any matrix with the desired mixer selector notch and insert it in place A, with notch upwards and letter to your left. Insert the matrix to be slotted in place C, letter to the left. Turn disc E so that the thick blade will be opposite mixer notch.



ACTION 4

As a model take any matrix with the desired font slot and insert it in place A, with slot upwards and letter to your left. Insert the matrix to be slotted in place B, letter to your left. Turn disc E so that the thin blade will be opposite font slot.