

Orig. copy to

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19 September 1958Comments on Thermo-Fax Microfilm Reader-Printer

1. Provide handles on sides if machine is to be moved around at all.
2. Eliminate two screws which are used to hold screen panel in place. The panel on the machine evaluated remained in place adequately without them. If concerned about screen breakage in case panel does come open by itself, a small chain could be added to limit its travel and prevent this. An accessible panel permits easy cleaning of the screen and mirror, and also lubrication of the small spur gear which drives the turret.
3. "Thermo-Fax" trade mark may cause confusion with regard to use of correct paper.
4. Screw threads on 58mm lens make it awkward to remove. This would be a definite nuisance factor if the other lens is to be used often. Bayonet or similar attachment preferred.
5. With present lens spacing it is impossible to replace 58mm lens without refocusing other lens. Again, a factor of minor nuisance value.
6. Accuracy of timer:

<u>Setting</u>	<u>Actual Time</u>
5 sec	6 sec
10 sec	11 sec
15 sec	16 sec
20 sec	21 sec
30 sec	30 sec

Discrepancy judged of no real importance.

7. Reflector housing is held in place by friction fit. Positive action detent preferable to maintain lamp filament at proper distance from condensing lens, although this distance may not be too critical.
8. Spring clip at base of reflector housing is presently serving no useful purpose. If intended to hold reflector housing in place it is ineffective; or if intended to hold lamp wires in place (as it probably is) it is not being used as such.

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9. Why not have an interlock on film gate and hold down levers so all can be raised at once, perhaps with one lever?

10. Sponge deposits dirt or other foreign matter on paper and does not always effectively wet entire surface of paper. If this defect persists, it is suggested to incorporate a pressure pad in the underside of the cover to press paper against sponge.

11. Set screw missing from small spur gear located behind screen on unit evaluated.

12. Small lever used to swing turret assembly is difficult to use. In actual use we used both hands to swing turret and align it so film was projected squarely. We suggest this lever be dispensed with and that the turret be left as is, or, for maximum ease in rotating, install a rim circumferentially about turret.

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This was a cursory evaluation performed at the request of Mr. [Redacted] PSD. 25X1