

DRAFTIlion, New York
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TO: J. P. LINDE
FROM: F. E. MARTIN
SUBJECT: M/600 FIRE CONTROL

M/600 Fire Control problem has been defined and the necessary parts have been altered and redesigned. During the course of investigation and definition of the problem, it was decided that a permanent solution should be reached. This has been done. The changes that have been made are as follows:

A new design safety lever to provide greater lift and a longer cam duration ~~AND A:~~
~~An easier method of inspection of purchased parts.~~
~~A New~~ ~~THIS~~ ~~(M/600)~~
~~The next area was the housing. We~~ will use parts (side plates) that are
~~COMMON~~ similar to the M/700. The assembly will be rivited and side plates hardened. This will give us better dimensional control of the assembly and the heat treated plate will give us a better wearing surface in the detent area. A more positive detent has been developed in conjunction with the longer duration cam found on the safety lever.

The last area of concern is the sear safety cam; this is a powder metal part. It was found during the investigation that this part, among others was out of tolerance. This part has also been redimensioned. ~~REWORK~~

Prints of all revised and redesigned parts have been sent to our vendors and most have been returned. There are presently 10 model guns in the Test Lab and testing is presently under way to determine total cam lift and lift available. ~~LIFE~~

FEM:bd
Ilion Research Division