

April 25, 1977

NOTES FOR OPERATIONS COMMITTEE

MOHAWK 600, MODEL 700 FIRE CONTROL REVIEW

Mohawk 600 Rifles

Drawings have been transmitted to the plant to alter the Mohawk 600 Fire Control. The Fire Control Housing presently used on the M/700 has been modified so that it will fit the Mohawk 600. This change will yield a common Fire Control Housing for the Mohawk 600 and M/700 rifles. It will reduce cost, as the factory cost of the M/700 Fire Control Housing is less than the factory cost of the Mohawk 600 Fire Control Housing. This change should also improve the detent action of the Mohawk 600 Fire Control. The side plate on the M/700 Housing is heat treated. This is the surface the hardened steel detent ball is spring loaded against to obtain the two Safety positions.

The Safety functions by camming the Sear away from the Trigger; thus the Trigger is disconnected from the firing mechanism. The cam on the Safety Lever was altered to increase the disconnecting clearance. The Sear also had to be altered slightly to allow for the increased clearance. It was felt that the clearance should be increased somewhat to allow for manufacturing tolerances and lower costs by eliminating guns which would be rejected for insufficient clearance. The Safety mechanism operation is checked by the assembler, gallery personnel, and final inspector.

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PLAINTIFF'S
EXHIBIT

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AL 0023597

Mohawk 600 and Model 700 Rifles for Export to Australia

One thousand (1000) Mohawk 600 rifles were shipped to Australia and stopped by the customs officials as being unacceptable for importation. This action was taken because the customs officials claimed the trigger adjusting screws should have a mechanical locking means.

It has been our experience with the Mohawk 600, M/721, M/722 and M/700 rifles that the trigger adjusting screws stay in adjustment. The screws on the Mohawk 600, M/722, M/721 were staked and sealed with Du Pont Duco cement. The M/700 trigger engagement screw is Loc-Tited and sealed with Du Pont Duco cement. All of these trigger adjustment screws will stay in adjustment if they are not tampered with by the customer. The Owner's Manual instructs the customer not to adjust the trigger engagement on the Mohawk 600 and Model 700 rifles.

All Mohawk 600 rifles and Model 700 rifles to be shipped to Australia will be assembled with lock screws in the trigger assembly. These modifications are being made so the rifles will pass their customs requirements and has nothing to do with the safety, function, or performance of the rifles.

Future Program

Research will do a complete design analysis on all the bolt action rifles and present a proposal to the Operations Committee. The areas of investigation will include:

1. Trigger Assembly adjustability
2. Increase commonality of parts in bolt action line
3. Allow M/700 to be unloaded with Safety in the "on safe" position
4. Improve the trigger pull characteristics
5. Reduce the cost of the Trigger Assembly

J.P. Linde/nl

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