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MINUTE #2 - 1976

Jan. 23, 1976

FROM PAGE NUMBER

1

SUBJECT

Item 1 - Development Schedule

MODEL 700 IMPROVEMENT

1. Model 700 Improvement

R & D reported they are investigating safety mechanism performance in all bolt action firearms, both Remington and competition. From this review, a design proposal is being developed to modify the safety mechanism in the Model 700 and Mohawk 600 rifles. The most important alteration would be a design change to allow the shooter to unload the rifle with the Safety in the ON position.

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MINUTE #2 - 1977

Jan. 26, 1977

FROM PAGE NUMBER

2

SUBJECT

M/700-600 Fire Control Improvement
(Item 1 - Dev. Sched.)

1. M/700-600 Fire Control Improvement

R & D reported that design changes are being developed to make the fire control more versatile. The preliminary design should be completed by September, 1977.

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MINUTE #8 - 1977

April 21, 1977

FROM PAGE NUMBER

13

SUBJECT

MOHAWK 600 & MODEL 700 FIRE CONTROL REVIEW

SPECIAL REPORTS

MOHAWK 600 AND MODEL 700 FIRE CONTROL REVIEW

MOHAWK 600 RIFLE

R & D reported that 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 Rifle. 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.

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MINUTE #8 - 1977

April 21, 1977

FROM PAGE NUMBER

13 & 14

SUBJECT

MOHAWK 600 & MODEL 700 RIFLES
FOR EXPORT TO AUSTRALIA

MOHAWK 600 AND MODEL 700 RIFLES FOR EXPORT TO AUSTRALIA

R & D reported that one thousand 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, 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 have nothing to do with the safety, function, or performance of the rifles.

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MINUTE #13 - 1977

July 19, 1977

FROM PAGE NUMBER

12

SUBJECT

M/700-600 FIRE CONTROL IMPROVEMENTS
Chart 19

M/700-600 FIRE CONTROL IMPROVEMENTS

Research is presently performing a design analysis on the M/700 - M/600 trigger assemblies to improve their performance and customer desirability. The development program is aimed at designing a trigger assembly with the following features (see Chart 19): 1) trigger externally adjustable for pounds pull within safe limits; 2) sear engagement and trigger over-travel determined by design (not adjustable by customer); 3) rifles can be unloaded with the safety in the "On Safe" position; 4) improved trigger pull characteristics; and 5) reduction of trigger assembly costs.

The Development Schedule states that prototypes with different design options will be available for inspection and testing by March, 1978. The preferred model will be ready for extensive testing in July, 1978; and the design will be complete in March, 1979.

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FIRE CONTROL IMPROVEMENTS

M 700 - M 600

RESEARCH IS PRESENTLY DOING A DESIGN ANALYSIS OF THE M 700 - M 600 FIRE CONTROLS.

THE DESIGN OBJECTIVE IS TO DEVELOP A NEW FIRE CONTROL WITH THE FOLLOWING FEATURES:

- TRIGGER EXTERNALLY ADJUSTABLE FOR POUNDS PULL WITHIN SAFE LIMITS
- SEAR ENGAGEMENT AND TRIGGER OVERTRAVEL DETERMINED BY DESIGN (NOT ADJUSTABLE BY CUSTOMER)
- RIFLE CAN BE UNLOADED IN THE "ON SAFE" POSITION
- IMPROVED TRIGGER PULL CHARACTERISTICS
- COST REDUCTION OF TRIGGER ASSEMBLY

DEVELOPMENT SCHEDULE:

- PROTOTYPES WITH DIFFERENT DESIGN OPTIONS AVAILABLE FOR ANALYSIS - MARCH 1976
- PREFERRED MODEL READY FOR EXTENSIVE TESTING JULY 1978
- DESIGN COMPLETE MARCH 1979

CHART 19

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MINUTE #17 - 1979

October 18, 1979

FROM PAGE NUMBER

17

SUBJECT

Model 700 Bolt Lock

MODEL 700 BOLT LOCK

(1981 Introduction)

Research reported that two designs for a separate Bolt Lock are progressing. A model of each has been fabricated and assembled, but requires revisions. The next samples of both designs will be ready for review in December.

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MINUTE # - 1979 December 12, 1979
FROM PAGE NUMBER 15
SUBJECT MODEL 700 BOLT LOCK

MODEL 700 BOLT LOCK
(1981 Introduction)

Research reported that layouts of newly suggested designs are being made. Assembly of previous designs is scheduled for mid-December.

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MINUTE #3 - 1230 FEBRUARY 20, 1980

FROM PAGE NUMBER 8 & 9

SUBJECT MODEL 700 BOLT LOCK

MODEL 700 BOLT LOCK
(1982 Introduction)

Research reported that revisions have been made to increase the size and appearance of the two versions. Parts are being fabricated, and should be available shortly.

The Chairman commented that, because of the purpose of this change, it is important to emphasize this item. Research felt that they could have a prototype available in May.

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MINUTE #9

APRIL 16, 1980

FROM PAGE NUMBER 13

SUBJECT MODEL 700 BOLT LOCK

MODEL 700 BOLT LOCK
(1981 Introduction)

Research reviewed a design concept for a selective Bolt Lock that is independent of the Fire Control. This system allows the shooter the freedom to choose the type of Bolt Lock operation he desires and to operate the Safety in any condition the rifle may be in. This means the Bolt may be open or closed, and the rifle may be fired or unfired.

Exhibit 4-2 shows the Safety in the "ON SAFE" position with the Bolt locked and the Bolt handle down.

Exhibit 4-3 shows the Safety in the "ON SAFE" position, the Bolt unlocked and the Bolt handle raised. Here the shooter depresses the release with his thumb to unlock the Bolt.

Exhibit 4-4 shows the Safety in the "ON SAFE" position, the Bolt unlocked with the Bolt handle raised and starting back to a load and unload position.

Exhibit 4-5 shows the Safety in the "OFF SAFE" position, the Bolt locked and the gun ready to fire.

Exhibit 4-6 shows the Safety again in the "OFF SAFE" position. The gun has been fired and the Bolt handle can be raised to load or unload the next round without having to depress the release

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MINUTE #10 - 1980 May 14, 1980

FROM PAGE NUMBER 6

SUBJECT MODEL 700 BOLT LOCK

MODEL 700 BOLT LOCK
(1981 Introduction)

Research reported that model drawings are complete for the latest Bolt Lock design, reviewed at the April meeting, and have been forwarded to Process Engineering for cost estimates. They requested Marketing approval to transmit the design, explaining that potential appearance changes should not affect the cost. Marketing responded that they are satisfied with the appearance of the latest design.

Production reported that work has already begun on the cost estimate.

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MINUTE # 12 - JULY 27, 1981

FROM PAGE NUMBER 5

SUBJECT: MODEL 700 BOLT LOCK

MODEL 700 BOLT LOCK

The Chairman asked that Production and Research develop an implementation schedule for eliminating the Bolt Lock from the Model 700 Safety Assembly. He indicated that the schedule should be based on a flying transition.

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MINUTE # 18 - OCT. 15, 1981

FROM PAGE NUMBER 3

SUBJECT - MODEL 700 BOLT LOCK

CENTER FIRE RIFLES

MODEL 700 BOLT LOCK

Production reported that plans have been finalized to delete the Bolt Lock from the Model 700 Fire Control. Research will transmit drawings by October 16. Vendor samples of the new Safety Lever will be available by the end of November. Production quantities will be available from the vendor by mid-December.

Marketing noted that the Bolt Lock is to be phased out of the Model 700 line in order to simplify unloading. Because it is a change in process only, it will not affect guns currently in the warehouse or guns received for repair.

The Chairman directed that the Product Safety Committee should review the owner's manual, and that the change be implemented in December.

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MINUTE # 4 - 1982

FROM PAGE NUMBER 3

SUBJECT - MODEL 700 BOLT LOCK DELETION

CENTER FIRE RIFLES

MODEL 700 BOLT LOCK DELETION

Production reported that the initial sample of Safety Levers from the vendor's new tooling was rejected for hole size and cam position. New samples are expected by February 12. Production shipments will begin two to four weeks after sample approval.

About 10,000 old style Safety Levers have been modified by the vendor. The modification involves clipping the Safety Arm to a new (shorter) dimension. Another 10,000 will be modified by mid-February. As soon as sample parts from new production tooling have been approved, the change will be implemented using the modified Safeties on hand. Research will test a sample from the first production lot.

The Chairman noted that further discussion is required to determine how to handle the transition and subsequent customer repairs. The Chairman also pointed out that the Bolt Locks will be deleted from other bolt action rifles as well.

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