

CENTER FIRE RIFLESBOLT ACTION FIRE CONTROL - Contd.

The present design has a mechanism to block the Trigger as well as the Sear. Research is also considering using an interceptor lever to support the Sear if the Trigger fails to reposition itself properly.

Research further reported that, if practical, they would like to design the Safety so it can be placed on "safe" at any point in the firing and cocking cycle. In the present rifle, this is impossible as the Sear cannot be blocked by the Safety because the Firing Pin Head is in the way.

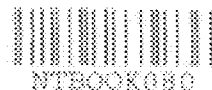
Research plans to begin layouts of two designs in May, one of which will satisfy the preceding requirements, and begin fabricating model parts in June. It now appears that a prototype Fire Control will be ready for testing in September.

BOLT ACTION CARBINE

Research reported that the focus panel report has been received by Marketing, and a copy furnished to Research. Research is now waiting on Marketing's decision on what combination of features should be included in the final design prototype.

Marketing reported that they are presently working on a comprehensive Bolt Action marketing study that includes a carbine for future introduction. Based on the findings to date, Marketing sees a market position, and opportunity for Remington, for a carbine between the Model 760 and Model 700 ADL. When their Bolt Action marketing strategy is complete, Marketing will give a full report to the Committee.

Marketing's recommendations concerning desirable marketing features for a Bolt Action Carbine will be finalized and given to Research before the end of the month.



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September 10, 1982

TO: J. H. Hennings

FROM: R. Williams

REPORT TITLE: NEW DESIGN M/700 TRIGGER/SEAR BLOCK EVALUATION

ABSTRACT:

A total of (5) M /700 Fire control assemblies with the New Design safety assemblies, were delivered to the Test Lab by Fred Martin for testing. This safety assembly blocks the trigger and the sear so that the firing pin won't fall when the trigger is held back while the safety switch is pushed from the safe to fire position. Both dry cycle and live fire endurance tests were used to test the assemblies. A M/700 fire control assembly (Current Production) was used as a control and (4) out of the (5) New Design assemblies were used in the test.

SCOPE OF TEST

To evaluate the functional performance of the New Design safety assembly, in the M/700 Rifle during lab testing.

TEST RESULTS

No functional problems arose during testing. Both the New Design safety and the control functioned normally. There was no significant change in the safe On/Off forces measured before, during and after testing, on all the assemblies, including the control.



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