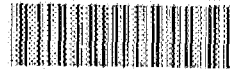


CENTER FIRE RIFLES

NTBOOK107

MODEL 700 BOLT LOCK

Research reported that five prototype Model 700 Rifles with the Bolt Lock and Fire Control Safety separated, are ready for testing. The prototype design includes blocks of both the Trigger and the Sear. Upon successful completion of tests, drawings can be transmitted to Production. Research noted that Production has estimated costs for the Bolt Lock, and indicated that drawings for estimating Fire Control costs will be released by December 20.

The Secretary reviewed the economics of adding the Bolt Lock to the Model 700 Fire Control (Exhibit 9). At Marketing's request, three cases were considered: 1) Adding the Bolt Lock with no price adjustment; 2) Adjusting the price to maintain margin and 3) Maintaining the price but deleting the sling currently included with BDL grades. Adding the Bolt Lock increases factory cost by \$3.00 per gun. Research noted that the Bolt Lock design will be reviewed for potential cost reductions before drawings are transmitted.

Jan. 21, 1981

Minute # 1 - 1981

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CENTER FIRE RIFLESMODEL 700 BOLT LOCK

Research presented samples of the Model 700 with and without the Bolt Lock feature for Committee review. Research has discussed potential cost reductions with Production, and the Plunger and Operating Handle are being re-evaluated. They pointed out, however, that costs are not expected to be reduced more than 5% to 10%. Five prototypes of the latest design are being tested along with the new Fire Control System. Testing will be completed this month.

A review of competitors' designs (Exhibit 14) indicates that a few of them have Bolt Locks but only the Colt Sauer has a Bolt Lock which can be released independent of the Safety.

Feb. 11, 1981

Minute #3 - 1981

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CENTER FIRE RIFLESMODEL 700 FIRE CONTROL IMPROVEMENTS

(1983 introduction)

Research reported that an alternative Model 700 Fire Control design has been completed, featuring a blocked Trigger and Sear. The design has the added advantage of making it very difficult to adjust the system to a "hair" Trigger. When adjusting to the extreme light trigger pull setting, the Safety binds and is difficult to move from "Safe On" to "Fire" position. Five prototypes of the new design are in test. The 100 round functional test portion has been completed and results indicate no major problems with the design. Dry cycle endurance tests are scheduled for the end of February. Drawings have been provided to Production for cost estimating.

Marketing noted that both the Fire Control Improvements and Bolt Lock will influence long range Bolt Action Rifle