

EXHIBIT LIST OF INVISION DOCUMENTS

- NTBK001 EXHIBIT A - THE SAFETY DESIGN IN THE 721 AND 722 IS CONSIDERED INADEQUATE; SALES ATTACHES GREAT IMPORTANCE TO THE IMPROVEMENT IN THE SAFETY
- NTBK002 at least 20 complaints in 72 and 4 so far in 73 HAVE BEEN ATTRIBUTED TO THE CONNECTOR SEAR INTERFERENCE
- NTBK003 TYPED VERSION OF ABOVE
- NTBK004 ***
- NTBK005 MEMO FROM SPRELING TO HART ORDERING CHANGE IN OWNERS MA~JAIH INSTRUCTION ON UNLOADING GUN
- NTBK006 THE COST OF CHANGING TO A THREE POSITION SAFETY FOR THE 700 WOULD BE \$4400 A YEAR AND \$25,600 FOR NEW TOOLING. THE FULL BOOK UNIT COST WOULD BE AN INCREASE OF \$.056 FOR EACH RIFLE
- NTBK007 KNOWN PRODUCT DEFICIENCIES-SAFE GUNHANDLING DEMANDS A DESIGN THAT ALLOWS SHOOTER TO OPERATE ACTION WITH SAFETY ON
- NTBK008 NTBOOK007 TYPED BY PAT
- NTBK009 THREE POSITION SAFETY WOULD BE DESIRABLE-IT IS BEING REVIEWED, REC'S WILL BE MADE IN SECOND HALF OF 175
- NTBK010 FOUR MODEL 600 GUNS FOUND TO FIRE UNDER SIMILAR CIRCUMSTANCES AS 700
- NTBK011 DEVELOP PLANS TO CONDUCT A SAFETY ANALYSIS OF BOLT ACTION FIRE CONTROLS-- THE PRESENT DESIGN FOR A 3 POS. SAFETY IS INADEQUATE-- SECOND HALF OF 175 DEVELOP A NEW SAFETY M-HANISM
- NTBK012 MARKETING WILL REVIEW GUNSMITH REPORTS, ARMS REPAIR DATA, PARTS USAGE ECT...A LIST OF RECOMMENDATIONS FOR IMPROVING QUALITY PERFORMANCE WILL BE DEVELOPED AND REVIEWED BY THE PRODUCT SAFETY DIVISION
- NTBK013 PRODUCT SAFETY MEETING: ANALYZE PRODUCT SAFETY OF BOLT ACTION FIRE CONTROLS

NTBK014 4 OF 147 FSR

NTBK015 4 OF 147 FSR

NTBK016 ****

NTBK016 ****

NTBK017 ****

NTBK018 SOME 600s CAN BE ~"TRICKED" in to firing

NTBK019 023 MEMO FROM LEEK TO LINDE EVALUATING THE BOLT ACTION SAFETY MECHANISMS--*****

NTBK024 THE MODEL 600 CAN BE ~"TRICKED~" INTO FSR BUT GIVEN THAT THERE HAVE BEEN ONLY A FEW INCIDENTS REPORTED FROM THE FIELD REMINGTON CONCLUDES THAT A SHOOTER IS UNLIKELY TO PLACE HIS GUN IN THE TRICK POSITION

NTBK025 DESIGNS ARE BEING ANALYZED TO ALLOW THE CUSTOMER TO UNLOAD THE 700 WITH THE SAFE IN THE ON POSITION

NTBK026 SEPT 19,1975 DESIGNS ARE BEING ANALYZED TO ALLOW THE CUSTOMER TO UNLOAD THE MODEL 700 WITH THE SAFE IN THE ON POSITION AS AN ADDITIONAL SAFETY FEATURE

NTBK027 029 DEC. 10, 1975 M/700 SAFETY EVALUATION--DESIGN INITIATED A REVIEW OF THE BOLT ACTION RIFLE SAFETY FUNCTION THE FINAL PHASE OF THIS PROGRAM INVOLVED THE M 700

NTBK030 JAN 23 '76 THE MOST IMPORTANT ALTERATION WOULD BE A DESIGN CHANGE TO ALLOW THE SHOOTER TO UNLOAD THE RIFLE WITH THE SAFETY IN THE ON POSITION.

NTBK031 PRDCT DEFICIENCIES INTERESTS OF SAFE GUN HANDLING DEMAND A DESIGN THAT ENABLES A SHOOTER TO OPERATE THE ACTION WITH THE SAFETY ~ON~

NTBK032 PAT-S TYPED VERSION OF 031

NTBK033 A COMPETITIVE TEST HAS BEEN STARTED TO ANALYZE THE BEST SAFETY MECHANISMS

NTBK034 NOV 18, 1976 M/700 R&D REPORT AT BUSINESS MEETING- THE DESIGN OF THE TRIGGER MECHANISM IS BEING ANALYZED. THIS

ANALYSIS SHOULD LEAD TO POSSIBLE DESIGN OPTIONS WHICH WILL BE PURSUED

- NTBK35 JAN 26 1977 M700-600 FIRE CONTROL IMPROVEMENT DESIGN
C H A N G E S A R E B E I N G D E V E L O P E D
PRELIMINARY DESIGN SHOULD BE COMPLETED BY SEPT. 177
- NTBK036 APRIL 21, 1977 SPECIAL REPORTS ON THOUSAND M 600 RIFLES WERE
STOPPED BY AUSTRALIAN CUSTOMS AS UNACCEPTABLE FOR
IMPORTATION BECAUSE TRIGGER ADJUSTING SCREWS SHOULD
HAVE MECHANICAL LOCKING MEANS...M/700 ALSO LACKS
MECHANICAL LOCKING MEANS FUTURE PROGRAM R&D WILL
COMPLETE DESIGN ANALYSES TO ALLOW M/700 TO BE UNLOADED
WITH SAFETY IN THE "ON SAFE" POSITION
- NTBK38 JULY 19. 1977 FIRE CONTROL IMPROVEMENTS***
- NTBK041 SEPT 20| 1977 OPERATIONS COMMITTEE: DESIGN PROGRAM BEING
PURSUED TO IMPROVE THE FUNCTION AND RELIABILITY OF BOLT
ACTION FIRE CONTROLS
- NTBK043 NOV. 16,1977 BUSINESS MEETING TWO OBJECTIVES TO
DEVELOPMENT EFFORT -SHOOTER UNLOAD RIFLE IN ~ON SAFE"
AND IMPROVE FIRING MECHANISM
- NTBK045 change _ to improve function of trigger by eliminating interference between
trigger and housing
- NTBK046 CHANGE TO IMPROVE FUNCTION OF THE TRIGGER
- NTBK047 FEB 15,1978 SEAR ENGAGEMENT AND TRIGGER OVERTRAVEL TO BE
DETERMINED BY DESIGN AND NOT ADJUSTABLE BY CONSUMER
- NTBK048 FEB 15, 1978 OPERATIONS COMMITTEE: DESIGN OBJECTIVES FOR
NEW FIRE CONTROL FOR M/700, M/600
- NTBK049 DESIGN CHANGE ORDER FOR TRIGGER IN M 700
- NTBK050 JULY 18, 1978 MAJOR PRODUCT UPGRADING M/700: BOLT ACTION
FIRE CONTROL REFINEMENTS
- NTBK055 MEMO FROM ERICSON TO BROOKS SEPT. 14, 1978 RE: PATENTS ON
THREE POSITION SAFETY AND RELEASABLE BOLT LOCK
- NTBK057 SEPT 20,1978 OPERATIONS COMMITTEE MEETING:FIRE CONTROL
ASSEMBLIES HAVE BEEN DESIGNED AND FABRICATED THAT CAN

BE ADJUSTED FOR POUNDS PULL WITHIN SAFE LIMITS, HAVE FIXED TRIGGER AND SEAR ENGAGEMENT AND FIXED OVERTRAVEL, WILL ALLOW RIFLE TO BE UNLOADED IN ON SAFE

- NTBK059 OCT 23, 1978 PRODUCT SAFETY MEETING: GIVEN 6,800,000 VERDICT IN COATES CASE COMMITTEE RECOMMENDS RECALL OF MODEL 600 GUNS AND CHANGE IN TRIGGER ASSEMBLY...PRESIDENT APPROVED THESE RECOMMENDATIONS ON OCT. 23, 1978
- NTB061 10 TO 15 REPRESENTATIVES WILL BE SENT ON PROPAGANDA VISITS TO GUN SMITHS WHO WILL BE PARTICIPATING IN RECALL
- NTBK062 LETTER NOV,6 1978 FROM R. B. SPERLING ASSOCIATE COUNCIL FOR REMINGTON TO R. R. INGHAM OF FINANCE FOR DU PONT DE NEMOURS AND CO.THE LETTER IS ABOUT THE COATES V. REMINGTON CASE AND THE RECALL ANNOUNCED THE DAY AFTER SETTLEMENT
- NTBK065 NOV. 13, 1978 SAMPLE FIRE CONTROLS OF MODEL 700 AND 600 ~RF~ TN TF~.~TTN(~:
- NTBK066 DEC. 13, 1878 TWO PROTOTYPE FIRE CONTROLS HAVE BEEN GIVEN TO MARKETING FOR USE WITH FOCUS PANELS...CURRENTLY WORKING TO DESIGN FIRE CONTROL THAT WILL BLOCK HAMMER AND SEAR...RESEARCH IS DEVELOPING A POSITION ON EXACTLY WHAT BOLT ACTION SAFTEYS SHOULD DO
- NTBK067 PAT~S TYPED VERSION OF 066 SEAR AND HAMMER SECTION
- NTBK068 PRODUCT SAFETY SUBCOMMITTEE MEETING JAN. 2, 1979:Remington believes 1% of all 700s CAN BE TRICKED (AROUND 20,000 DEFECTIVE GUNS) BUT DO NOT FEEL A RECALL IS APPROPRIATE FOR THE 700
- NTBOOK073 JAN. 24, 1979 PROGRAM HAS BEEN INSTITUTED TO DESIGN NEW FIRE CONTROLS FOR THE ENTIRE BOLT ACTION LINE THESE ARE ~IRRENTLY ON PROTOTYPE RIFLES
- NTBOOK074 RESULTS OF FOCUS GROUP INDICATE THAT CONSUMER PREFERS BOLT ACTION SEPARATED FROM THE SAFETY
- NTBOOK075-079 MARKET EVALUATION OF A NEW BOLT ACTION CARBINE STYLE CENTER FIRE RIFLE: TOP PRIORITY IS ON THE BOLT LOCK DESIGN SEPARATE FROM THE SAFETY FURTHER INFORMATION SHOULD BE AVAILABLE BY JUNE MEETING ON DIRECTION RESEARCH WILL TAKE. EMPHASIS WILL BE ON THIS DESIGN AND IT WILL SLOW BUT NOT STOP.

NTBOOK081 PAT-S TYPED VERSION OF ABOVE

NTBOOK082 JUNE 20, 1979 LETTER TO REM.'S RECOMMENDED GUNSMITHS: IF YOU HAVE ANY GUNS RETURNED FOR SAFETY REASONS OR BEARING ON SHOOTER OR BYSTANDER'S SAFETY PLEASE SEND THE GUN TO US. DO NOT FIX YOUR SELF

NTBOOK083 REMINGTON WILL NOT ALLOW ANY ONE TO SELL THE 700 TRIGGER ASSEMBLY

NTBOOK084 PRODUCT SAFETY COMMITTED RECOMMENDS CONCENTRATING RESEARCH EFFORTS ON SEPARATING THE BOLT LOCK FROM SAFETY MECHANISM

NTBOOK085 TWO DESIGNS ARE IN PROCESS TO ALLOW THE OPERATION OF T-F ~-AFTT~Y T~ FIUNCTION IN ANY CONDITION

NTBOOK086 ***

NTBOOK087 MODEL 700 FIRE CONTROL IMPROVEMENTS-1982 INTRODUCTION
NTBOOK088 PSSC JAN. 22, 1980 REMINGTON BELIEVES ONLY .6% OF GUNS IN FT~TT,n WTT,T, F.C,R oR TRTCK

NTBOOK089 35 GUNS FAILED THE TRICK TEST, 38 RETURNED MODEL 700'S WERE FOUND TO FIRE OFF SAFE

NTBOOK090 ***

NTBOOK091 THE TWO FIRE CONTROL MECH. HAVE BEEN ASSEMBLED

NTBOOK092 TYPED VERSION OF 091

NTBOOK093 THE CHAIRMAN COMMENTED THAT BECAUSE OF THE PURPOSE OF THIS CHANGE IT IS IMPORTANT TO EMPHASIZE THIS ITEM. RESEARCH FELT THEY COULD HAVE A PROTO TYPE AVAILABLE IN MAY

NTBOOK094-095 IMPROVED MODEL 700 CONTROL...THE SAFETY TRIGGER AND INCEPTOR HAVE A COMMON PIVOT

NTBOOK096 PRODUCTION HAS BEGUN COST ESTIMATE WORK IS PROCEEDING ON THE SEPARATE DESIGNS

NTBOOK097 WORK PROCEEDING ON THREE DESIGNS--NONE OF THEM HAVE BEEN R~IT~W~n WTT~ PR~DICTION OR MARKETING

NTBOOK098 *****

NTBOOK099 CATEGORY I PROJECTS ARE INTENDED TO PUT REMINGTON IN A MORE SECURE POSITION WITH RESPECT TO PRODUCT LIABILITY THE 700 SAFETY HAS BECOME A CATEGORY I PROJECT

NTBOOK100 CATEGORY I CHART

NTBOOK101 MORE CAT. I CHARTS

NTBOOK102-103 : 099-101 TYPED

NTBOOK104 ***

NTBOOK105 PROPOSED BOLT LATCH MECHANISM WILL RESULT IN 3.00 DOLLAR INCREASE IN UNIT FACTORY COST

NTBOOK106 PATENT SEARCH WAS MADE ON BOLT LOCK AND REM. DOESN-T BELIEVE IT SHOULD BE A PROBLEM TO OBTAIN NEW PATENT

NTBOOK107 REVIEW OF COMPETITORS' DESIGNS-ONLY THE COLT SAUER HAS A BOLT LOCK WHICH CAN BE RELEASED INDEPENDENTLY OF SAFETY. RESEARCH ALSO REPORTED THAT ADDING THE BOLT LOCK INCREASES WOULD INCREASE FACTORY COST BY \$3.00. 1983 INTRODUCTION-MODEL 700 FIRE CONTROL DESIGN HAS BEEN COMPLETED. SUCH DESIGN HAS THE ADDED ADVANTAGE OF MAKING IT VERY DIFFICULT ADJUST THE SYSTEM TO A HAIR TRIGGER.

NTBOOK108 COMPARISON OF ALL AVAIL. RIFLES ON MARKET, CONTRASTING T-ETR nTFFERENT CHARACTERISTICS.

NTBOOK109 PG.1 OF REM.LETTER 1/9/81. MARTIN TO CAPELETTI. SAID IT WAS AGREED THAT REM. WOULD STAY WITH PRESENT DESIGN ON MODEL 700 BOLT LOCK.

NTBOOK110 PG.2 OF SAME LETTER. MODEL 788 SAFETY-PROPOSE TO PROCESS ENGR. TO ALTER PRESENT SAFETY LEVER TO 100DEGREE ANGLE.

NTBOOK111 CHRONOLOGICAL RECORD OF 700 BOLT LOCK TEST, DATED 1/23/81.

NTBOOK112 CHRONOLOGICAL RECORD OF 700 BOLT LOCK TEST, DATED 2/24/81.

NTBOOK113 CHRONOLOGICAL RECORD OF 700 BOLT LOCK TEST, DATED 2/25/81.

NTBOOK114 LTR-MARTIN TO CAMPBELL-2/3/81. PREPARE COST EST. FOR 700

WITH ALTERED PARTS, INCL. SAFETY LEVER, TRIGGER, HOUSING.

- NTBOOK115 2/11/81 MINUTE-RESEARCH SAID AN ALTERNATIVE 700 FIRE CONTROL DESIGN HAS BEEN COMPLETED FEATURING A BLOCKED TRIGGER AND SEAR.
- NTBOOK116 1981 PROJECT AUTHORIZATION FORECAST-ILION PLANT. M/700 FIRE CONTROL IMPROVEMENTS PROJECTED TO COST \$250K.
- NTBOOK117 SAME AS NTBOOK116.
- NTBOOK118 3/19/81 MEMO. PG.1 BOLT ACTION RIFLES COMPRISE 40% OF CENTER FILE RIFLE MARKET. M700 & 788 ACCOUNT FOR AT LEAST 1/3 OF ALL BOLT ACTION RIFLES SOLD. CONCERN IS WITH COMPETITOR, RUGER MODEL 77. PRICE IS MAIN FACTOR. M700 BDL IS MOST EXPENSIVE RIFLE IN ITS GROUP.
- NTBOOK119 3/19/81 MEMO. PG 2. GOAL IS TO PUT PRICE OF M700ADL IN LINE WITH RUGER, WHICH IS CHEAPER. 1ST STEP IS TO UPGRADE ADL THROUGH ADDT'L PRODUCT FEATURES, MOSTLY COSMETIC. RECOMMEND THEY DROP M700 CLASSIC.
- NTBOOK120 3/19/81 MEMO. PG.3. M700 BDL IS ~TOP OF THE LINE~. INCREASE ITS PERCEIVED VALUE BY ADDING GRIP CAP AND MOUNTS. MENTIONS DEVELOPMENT OF NEW MODEL SEVEN.
- NTBOOK121 3 / 1 9 / 8 1
MEMO. PG.4. SUMMARY OF PROPOSED CHANGES TO BE M-700 TN R&T, T ACTION LINE.
- NTBOOK122 3/19/81 MEMO. EXH.2A. RETAIL PRICE COMPARISON OF M700BDL, CLASSIC, ADL, AND RUGER M77. MODEL 700 BDL MOST EXPENSIVE.
- NTBOOK123 4/8/81 MEMO. RE: M700 BOLT LOCK MFG.COSTS. PE&C ESTIMATED HIGH COST. WAS SENT TO RESEARCH TO REVIEW. RESEARCH HAD THE LOWEST ESTIMATE.
- NTBOOK124 4/8/81 MEMO. EXH.1. MFG.COSTS AS ESTIMATED BY PE&C, R&D, ANT- RE.ST CASE.
- NTBOOK125 4/9/81 MEMO. TO MARTIN FROM PATENT COUNSEL, STATING DRAFT PATENT APPLICATION FOR BOLT LATCH READY FOR MARTIN'S SIGNATURE.
- NTBOOK126 4/6/81-M700 NEW DESIGN BOLT LOCK EVALUATION SHEET.

- NTBOOK127 4/8/81 MEMO.PG.1. M700 NEW DESIGN PARTS EVALUATION. ANALYSIS OF 5 PROTOTYPE M700 RIFLES WITH NEW BOLT LOCK SYSTEM. TEST WAS TO DETERMINE DEGREE OF RELIABILITY OF NEW DESIGN.
- NTBOOK128 4/8/81 MEMO.PG.2. TEST OBSERVATIONS: ONE FIRE CONTROL HAD A SAFETY RELATED PROBLEM CONNECTED WITH THE TRIGGER BLOCK. THEN EACH RIFLE WAS EXAMINED SEPARATELY AFTER TEST COMPLETION.
- NTBOOK129 4/8/81 MEMO.PG.3. DESCRIPTION OF TEST PROCEDURES.
- NTBOOK130 4/8/81 MEMO.PG.4. DESCRIPTION OF PARTS TESTED: BOLT LOCK, WEIGHT & PULL ADJUSTMENT SCREW & SPRING, AND TRIGGER BLOCK. FUTURE WORK: ADD'L SAMPLES OF THE NON-DETENTED BOLT LOCK AND WEIGHT OF PULL ADJUSTMENT SCREW AND TRIGGER. BLOCK WILL HAVE TO BE EVALUATED.
- NTBOOK131 4/15/81: QUALITY REASSESSMENT-MKT COMMENTS BY HOLMBERG. FINDINGS: REM. IS UNDER NO MKT-BASED PRESSURE TO UPGRADE. NO NEED TO INCREASE MFG COSTS ON THINGS THAT DON'T MATTER. ALSO SAID DECISION TO DO NOTHING IS BETTER THAN DECISION TO CHANGE CURRENT QUALITY STANDARDS. RECOMMENDATIONS: MAKE WOOD FINISH LOOK BETTER.
- NTBOOK132 "GUN-E-SACK~ ARTICLE BY JON SUNDRA. RE: BOLT SAFETIES- HE IS OPPOSED TO TWO-POSITION SAFETIES WHICH LOCK THE BOLT HANDLE. SAYS THEY ARE NOT SAFE.
- NTBOOK133 6/18/81 MEMO. M700 TRIGGER ASSEMBLY: PRESENT ASSEMBLY V. PROPOSED ASSEMBLY. PROPOSED ASSEMBLY CUTS OFF THE LOCKING ARM AND ADDS A COUNTERSINK TO ACTUATE THE NEW SAFETY PLUNGER WHEN THE ~SAFE~ IS ON. ANNUAL COST INCREASE: \$35,270 IN OPERATING COST. \$16,800 AFTER AMORTIZATION OF OPER. CHARGES OF \$16,500 WILL BE REALIZED WITH TOTAL CAP. REQ~D-\$20,600.
- NTBOOK134 ESTIMATE #4305: EST. SAVINGS AND RETURN ON INVESTMENT. RETURN ON CAPITAL REQ'D: 83.7%
- NTBOOK135 6/23/81 MEMO. ESTIMATE FIGURES \$.32 ADD'L COST PER GUN. RECOMMENDATION: REM SHOULD IMPROVE ITS FIRE CONTROL, SAID F.E.MARTIN.
- NTBOOK136 SAME AS NTBOOK135.
- NTBOOK137 6/24/81 MEMO. TEST RESULTS OF 4/8/81 INDICATE FIRE CONTROL

PERFORMANCE IS ACCEPTABLE. ORDERED MORE TESTING.

- NTBOOK138 SAME AS NTBOOK137.
- NTBOOK139 OPERATIONS CMTE. ROSTER. MEETING HELD 7/17/81.
- NTBOOK140 MINUTE#II 6/29/81. FIREARMS PROCESS DEVELOPMENT.
- NTBOOK141 MINUTE#II. PG.12. CENTER FIRE RIFLES-M700 ADL RESTYLE. FINAL DECISION TO COME OUT OF MARKETING BY JULY 1981.
- NTBOOK142 MINUTE#II PG.13. NEED TO DEMONSTRATE IMPROVED FIRE CONTROL MECHANISMS FOR BOLT ACTION RIFLES.
- NTBOOK143 MINUTE#II PG.25. FIREARMS NEW PRODUCT DEVELOPMENT STRATEGY FOR 81-82 YEAR.
- NTBOOK144 MINUTE#II PG.26. UNDER NECESSITY HEADING REM. HAS ONE COMMITMENT: BOLT ACTION FIRE CONTROLS. OBJECTIVE: TO ENABLE THE SHOOTER TO LOAD/UNLOAD GUN WITH SAFETY SWITCH IN THE ~ON~ POSITION & PREVENT HIM FOR ~ADJUSTING~ HIMSELF INTO TROUBLE. 2 WAYS TO DO THIS: 1) MAKE PRESENT FIRE CONTROL MORE TAMPER PROOF, 2) DESIGN NEW FIRE CONTROL. WORKED WITH PRODUCTION, LEGAL DEPT, & DUPONT ON THIS.
- NTBOOK145 MINUTE#II PG.27. NEW FIRE CONTROL SELECTED. KEY FEATURE: SAFETY THAT BLOCKS THE SEAR & TRIGGER. GOAL: COMPLETE REDESIGN OF M700 AND TO EXTEND THAT DESIGN TO M788 AND S80 TRIGGERS.
- NTBOOK146 ***
- NTBOOK147 MINUTE#II RECAP.
- NTBOOK148 7/16/81 MEMO. MARTIN TO SR. PATENT COUNSEL RE: BOLT LATCH RA-0247. REVISED DRAFT PATENT APPLICATION FOR MARTIN-S SIGNATURE.
- NTBOOK149 CONFIDENTIAL MINUTE#12 DATED 7/27/81 RE:M700 BOLT LOCK. CHRMAN ASKED P&R DEVELOP AN IMPLEMENTATION SCHEDULE FOR ELIMINATING THE BOLT LOCK FROM M700 SAFETY ASSEMBLY. SCHEDULE TO BE BASED ON A FLYING TRANSITION.
- NTBOOK150 SAME AS NTBOOK149.

- NTBOOK151 CHRONOLOGICAL RECORD OF TESTING M700 TRIGGER BLOCK. 4/8/91-9/1/81.
- NTBOOK152 SAME AS NTBOOK151.
- NTBOOK153 CONFID. MINUTE#18 DATED 10/15/81 RE: M700 BOLT LOCK. PLANS FINALIZED TO DELETE BOLT LOCK FROM M700 FIRE CONTROL. MARKETING NOTED REASON TO PHASE OUT IS TO SIMPLIFY UNLOADING. THIS IS A CHANGE IN PROCESS ONLY, SO IT WON'T AFFECT GUNS CURRENTLY IN WAREHOUSE OR GUNS RECEIVED FOR REPAIR.
- NTBOOK154 SAME AS NTBOOK153.
- NTBOOK155 SAME AS NTBOOK153.
- NTBOOK156 12/7/81 MINUTE#8 PG.2. POLICY FOR DEALING WITH BOLT LOCKS ON M700 FIREARMS RETURNED FOR REPAIRS. THE BOLT LOCK IS NOT A SAFETY PROBLEM, SAID PRODUCT SAFETY CMTE.
- NTBOOK157 SAME AS NTBOOK156.
- NTBOOK158 CONFID. MEMO DATED 12/21/81 RE:BOLT ACTION PROGRAM, 1984 INTRODUCTION-FIRE CONTROL REVISION & REDESIGN.
- NTBOOK159 CONFID. MINUTE#4-1982, RE:M700 BOLT LOCK DELETION. 10,000 OLD STYLE SAFETY LEVERS HAVE BEEN MODIFIED TO A SHORTER DIMENSION. ANOTHER 10,000 DONE BY FEB. CHRMAN SAYS - FURTHER DISCUSSION REQ'D TO DEAL WITH TRANSITION AND SUBSEQUENT CUSTOMER REPAIRS.
- NTBOOK160 MEMO DATED 1/4/82 RE:BOLT ACTION SAFETY W/SEAR & TRIGGER BLOCKS. SR. PATENT COUNSEL SAID OK TO GO AHEAD WITH PATENT FOR MARTIN.
- NTBOOK161 CONFIDEMO DATED 1/15/82 RE: IDEAS TO SUPPORT NEW BOLT ACTION LINE. NEGATIVE FEATURE: TRIGGER ADJUSTMENT INSECURE & WEAK.
- NTBOOK162 SAME AS NTBOOK161.
- NTBOOK163 NEW PRODUCT DEV. MEMO DATED 1/82. RESEARCH TESTING NEW TR T (~.~. ER r) E .S T ('N
- NTBOOK164 FIREARMS: NEW PRDCT DEVELOPMENT: FIVE MODEL 700 FIRE C-NTR-T,.S ARE TN TE.ST LABB F-R TING OF NEW TRIGGER DESIGN

- NTBOOK165 JAN 1982 NEW PRODUCT DEVELOPMENT: FIVE M 700 FIRE CONTROLS ARE IN THE TEST LAB FOR EVALUATION -- NEW TRIGGER DESIGN WHICH DOES NOT REQUIRE CONNECTOR
- NTBOOK166 RESEARCH DEPT: REASONS FOR REMOVAL OF CONNECTER: ELININATE A PART, INSURE MORE POSITIVE LIFT, MAINTAIN PROPER CLEARANCE
- NTBOOK167 FEB 1982 RESEARCH DEPT: 5 FIRE CONTROLS ARE IN TESTING, SAMPLE CONTROLS ARE COMPLETE WITHOUT A CONNECTOR, TWO MODEL 7 NEW GENERATION BOLT ACTION RIFLES ARE NOW COMPLETE
- NTBOOK168 FEB 24, 1982 RESEARCH: AS OF FEB 26 ALL NEW TRIGGER ASSEMBLIES WILL HAVE BOLT REMOVED....ALL MODEL 700s ARE RETURNED SHOULD BE TAGGED IF THEY HAVE A SAFETY WITH A BOLT LOCK
- NTBOOK169-171 LETTER FR: CAPLETTI TO: WORKMAN RE: BOLT ACTION RIFLE MARKETING STRATEGY
- NTBOOK172 LETTER APR. 30, '82 FR: CAPELTTI TO: WORKMAN RE: REPLACEMENT FOR M 700 LIST PROPOSED SPECS FOR BOLT ACTION RIFLE DEVELOPMENT
- NTBOOK173 LIST OF MISFIRE OCCURRENCES WITH DIFFERENT LUBRICANTS ~WE FELT THIS INFORMATION WAS WORTH WHILE TO NOTE~ THE WRITING OF THE OWNERS MANUAL ON CLEANING AND LUBRICATING IS PRESENTLY IN PROGRESS BOTH LEGAL AND MARKETING WILL BE CONTACTED FOR INPUT AND APPROVAL
- NTBOOK174 LETTER APR 30 '82 FR: CAPELETTI TO: WORKMAN RE: BOLT ACTION RIFLE DEVL P-REPLACEMENT FOR 700: PROPOSED SPECS FOR SAFETY AND FIRE CONTROL
- NTBOOK175 PAT~S TYED VERSION OF 174
- NTBOOK176 MORE SPECS FOR NEW/REPLACEMENT 700
- NTBOOK177 MAY 13, 1982 RECOMMENDED GUNSMITH BULLETIN: CHANGE IN OPERATION: DUE TO DECREASE IN CUSTOMER INTEREST NEW 700s WILL LACK BOLT LOCK FEATURE, THIS ALLOWS LOADING OR UNLOADING IN "SII OF "F" FEATURE
- NTBOOK178 MAY 19, '82 700 TRIGGER PULL SPECS: CURRENT STANDARDS AND PROPOSED CHANGES TO 700 TRIGGER ASSEMBLY, ASSEMBLY IS

ADJUSTED WITH 10 POWER OPTICAL COMPARATOR, CHROME PLATED SEAR SAFETY CAMS...IMPROVING ITS PLATING PROPERTIES

- NTBOOK179 MINUTE 10 MAY 19, '82 M 700 TRIGGER PULL SPECS NEW GAGE FOR MEASUREMENT OF SEAR SAFETY CLEARANCE, NEW LUBRICANT, IMPROVED CHROME BOLT LOCK DELETION: BOLT LOCK HAS BEEN REMOVED FROM CURRENT PRODUCTION MODEL 700s
- NTBOOK180 MINUTE 12 JUNE 30, 1982 FIRE CONTROL LUBRICATION EVALUATION: EVAN RITCHIE SR. SUPERVISOR OF ILLION RESEARCH, TESTING AND MEASUREMENT LAB DISCUSSES PROBLEM WITH LUBRICATION AND CLEANING OF M 700 DISCUSSES NEW RECOMMENDED LUBRICANTS
- NTBOOK181 JUN. 30, 1982: ~IT IS CLEAR WE HAVE A PROBLEM IN FIREARMS DUE TO IMPROPER CLEANING AND LUBRICATING." FURTHER EXPLANATION TYPED BY PAT
- NTBOOK182 9/10/82 FR: WILLIAMS TO: HENNINGS RE: M/700 TRIGGER/SEAR BLOCK EVAL. SAFETY ASSEMBLY BLOCKS TRIGGER & SEAR SO FIRING PIN WON'T FALL WHEN TRIGGER IS HELD BACK WHILE SAFETY SWITCH IS PUSHED FROM SAFE TO FIRE POSITION. BOTH NEW DESIGN SAFETY AND CONTROL WORKED NORMALLY.
- NTBOOK183 9/10/82 REPORT NO.812441 NEW DESIGN M/700 TRIGGER/SEAR BLOCK EVAL. PREP. BY: WILLIAMS. REC'VD BY: HENNINGS, RITCHIE.
- NTBOOK184 REPORT NO.812441-TEST ~ MEASUREMENT LAB REPORT. PART TESTED: TRIGGER ASSEMBLY (5 GUNS TESTED, 2500 ROUNDS PER GUN).
- NTBOOK185 MINUTE #16 9/22/82, PG.24. RE: NEW BOLT ACTION RIFLE. 3 CONTINGENCY DESIGNS DESIGNS ARE BEING CONSIDERED AS A REPLACEMENT FOR THE 700.
- NTBOOK186 MINUTE #16, PG.25. ~IT IS DESIRABLE THAT THE SAFETY BLOCK THE TRIGGER AS WELL AS THE FIRING PIN, FOR THE Ann~n MAR~IN OF SAFETY AGAINST ACCIDENTAL DISCHARGE."
- NTBOOK187 M/700 ADL PRODUCT/MARKETING REVITALIZATION RESEARCH REPORT, DATED 6/82.
- NTBOOK188 SAME REPORT AS NTBOOK187, TABLE OF CONTENTS PAGE.
- NTBOOK189 PURPOSE OF RESEARCH WAS CONCERN OVER REM~S MKT SHARE LOSS OF ITS M/700 ADL BOLT ACTION CENTER RIFLE TO THE RUGER

M/77.

- NTBOOK190 MINUTE #16 9/22/82-MODEL REQ~TS-NEW BOLT ACTION RIFLE-KEY ELEMENTS RE:SAFETY ARE BLOCK TRIGGER AND FIRING PIN & INDEPENDENT BOLT LOCK.
- NTBOOK191 FRED MARTIN~S INVENTION REPORT NO.IT-300. SUMMARY OF INVENTION-TRIGGER BLOCK PLUNGER. THIS SYSTEM WAS DESIGNED TO ELIMINATE UNNECESSARY TRIGGER MOVEMENT, AND MAY BE ADAPTED TO REM'S PRESENT LINE.
- NTBOOK192 COMPLAINT CODE NUMBERS: 107-JARS OFF OR FIRES CLOSING. 108-FIRES ON SAFE OR SAFE DOESN~T HOLD. 109-FIRES WHEN SAFE IS PUSHED OFF. 110-FOLLOWS DOWN OR HAMMER FALLS.
- NTBOOK193 MARTIN~S REPORT TO PATENT DEPT. DATED 12/7/82 RE: FIRE CONTROL FOR BOLT ACTION RIFLES HAVING A TRIGGER AND SEAR BLOCK. REASON FOR DEVELOPMENT: "TO ELIMINATE UNWANTED TRIGGER MOVEMENT~. PROBLEM W/PRESENT FIRE CONTROLS:~UNWANTED ~ UNNECESSARY TRIGGER MOVEMENT WHEN THE SAFETY IS IN THE ON SAFE POSITION".
- NTBOOK194 SAME AS NTBOOK193.
- NTBOOK195 MINUTE #20 12/15/82 PG.8. RE:M/700 BDL REPLACEMENT. NEW BOLT ACTION RIFLE BEING INTRODUCED TO REPLACE THE BDL.
- NTBOOK196 MINUTE #20 12/15/82 PG.8. REM/700 BDL REPLACEMENT. NEW INTRODUCTION OF BOLT ACTION CENTER FIRE RIFLE DEVELOPMENT INCLUDES REDUNDANT (DOUBLE LOCK) SAFETY, FULLY ADJUSTABLE FTRE (~)NTRnT.
- NTBOOK197 LIST OF AVAIL. TYPE RIFLES IN 1982,INCLUDING PRICE, MKT. SHARE.
- NTBOOK198 1/83 REM. REPORT ON QUALITY ATTRIBUTES IN BOLT ACTION CENTER FIRE RIFLES.
- NTBOOK199 1/83 REM. REPORT PG.17. RE:SAFETY. DESIRE IS FOR A SAFETY THAT IS QUIET. ALSO A SAFETY THAT IS SOLID, YET SMOOTH IN ACTION, W/O BEING SUBJECT TO ACCIDENTAL SHIFTING.
- NTBOOK200 1/83 REM. REPORT, PG.18. REM. PRAISED AS HAVING THE BEST TRIGGERS. CONSUMERS LIKE THE THREE-POSITION SAFETY, B/C THEY CAN CLEAR A WEAPON IN THE "ON" POSITION.
- NTBOOK201 "GUNS & AMMO" MAGAZINE COVER, 1/83.

- NTBOOK202 "GUN-E-SACK" ARTICLE BY JON SUNDRA. ARTICLE ABOUT M/700 WINCHESTERS WITH 3-POSITION SAFETIES.
- NTBOOK203 SAME ARTICLE AS NTBOOK202, SECOND PAGE. AUTHOR DISFAVORED TWO-POSITION SAFETIES. ARTICLE SAID REM.M/700 WAS WISELY MODIFIED TO A THREE-POSITION SAFETY TO ALLOW THE ACTION TO BE OPERATED W/SAFETY ENGAGED. AUTHOR SAID HE HOPED ALL RIFLES WOULD FOLLOW REM'S LEAD.
- NTBOOK204 3/83 CONFID. MEMO. NEW M/700 INTRO IN 1986. WILL INCLUDE A REDUNDANT SAFETY SWITCH, AND A FULLY ADJUSTABLE FIRE CONTROL THAT DOES NOT REQUIRE REMOVAL FROM THE STOCK.
- NTBOOK205 9/28/83 THIRD QTR.PROGRESS REPORT. REM. R&D-FIREARMS.
- NTBOOK206 9/28/83 REPORT, PG.6. RE: BOLT ACTION RIFLE DEVELOPMENT. M/700 LIGHTWT. DRAWING TO BE COMPLETED BY 10/1/83. M/700 BDL REPLACEMENT WILL INCLUDE A FULLY ADJUSTABLE FIRE CONTROL W/REDUNDANT SAFETY SWITCHES.
- NTBOOK207 MEMO: MURPHY TO RAWSON, DATED 12/9/83. RE: NEW BOLT A(-TT~N RTFT,r~ N(~FRNF1) W/~-Po.STTioN .SAFETY.
- NTBOOK208 USPATENT #4,445,292. 5/1/84, FRED MARTIN, INVENTOR. BOLT ACTION FIREARM HAS AN IMPROVED BOLT LATCH MECHANISM WHICH IS OPERABLE INDEPENDENT OF A SAFETY MECHANISM. LATCH LOCKS THE BOLT IN A CLOSED POSITION AUTOMATICALLY WHEN THE FIRING PIN IS COCKED, AND RELEASES THE BOLT UPON FIRING.
- NTBOOK209 PG.2 OF PATENT #4,445,292. DRAWING.
- NTBOOK210 SAME AS NTBOOK209.
- NTBOOK211 DETAIL OF BOLT-ACTION FIREARM IN PATENT #4,445,292. SAID IN A BOLT-ACTION FIREARM INTENDED FOR HUNTING USE, "IT IS DESIRABLE TO PROVIDE BOTH A SAFETY, AND A BOLT LATCH FOR SECURING THE BOLT LOCKED IN A CLOSED POSITION." THE USER SHOULD BE "ENABLED TO OPEN THE BOLT READILY AND SAFELY F~R T~rl~AnTN~
- NTBOOK212 CONTINUATION OF NTBOOK211.
- NTBOOK213 CONTINUATION OF NTBOOK211.
- NTBOOK214 QTRLY REPORT 9/84. RE:NEW BOLT ACTION RIFLE. M/700 REPLACEMENT DUE FOR 1988. "PREFERRED" DESIGN HAS BEEN

SELECTED BY MARKETING & RESEARCH.

- NTBOOK215 11/9/84 MEMO. TO:COLEMAN FROM:BOWER. RE: **NEW BOLT ACTION RIFLE(1988)**. TECHNICAL IMPROVEMENTS INCLUDE: SIMPLIFIED FIRE CONTROL CONTAINING PRESET ENGAGEMENT & OVERTRAVEL, CUSTOMER-ADJUSTABLE TRIGGER PULL TO A SAFE LOWER LIMIT, STEEL TRIGGER AND SEAR. ALSO A TANG MOUNTED SAFETY THAT BLOCKS BOTH THE TRIGGER AND SEAR, AND A BOLT LOCK WHICH ATT~W.S T~E ~T~.S~MER TO UNLOAD THE GUN W/THE SAFETY ON.
- NTBOOK216 GEDIMAN RESEARCH GROUP REPORT ON NEW BOLT ACTION CENTER FTRE RTFLE DEVELOPMENT RESEARCH, DATED 4/85.
- NTBOOK217 SAME REPORT AS NTBOOK216, TABLE OF CONTENTS.
- NTBOOK218 SAME REPORT AS NTBOOK216,PG.8. SUMMARY OF RESULTS. THOSE TESTED PREFER A RIFLE W/ A BOLT LOCK OVER ONE W/O. MOST PREFER THE ONE WHICH LOCKS ON "SAFE" ONLY. REPORT SAID EDUCATION IS NEEDED TO ENSURE CUSTOMER FAMILIARITY AND ~OMFORT W/ROT.T LOCK.
- NTBOOK219 SAME REPORT AS NTBOOK216, PG.25. ADVANTAGES TO HAVING A BOLT LOCK: PREVENTS ACCIDENTAL SNAGGING ON A TWIG & LIFTING THE BOLT. IT PREVENTS THE BOLT FROM OPENING AND DIRT FROM GETTING INTO IT. KIDS CANT OPEN THE BOLT AND LOAD THE GUN.
- NTBOOK220 SAME REPORT AS NTBOOK216, PG.26. THOSE WHO PREFERRED NO LOCK AT ALL PROBABLY WERE NOT EXPLAINED THE PURPOSE OF THE BOLT LOCK MECHANISMS.
- NTBOOK221 SAME REPORT AS NTBOOK216, PG.27. MOST PREFER A BOLT LOCK THAT LOCKS ON "SAFE" ONLY.
- NTBOOK222 SAME REPORT AS NTBOOK216, PG,28. MANY PREFER A BOLT LOCK THAT LOCKS IN BOTH POSITIONS, MAINLY FOR SAFETY REASONS. CONSUMER COGNITION OF BOLT LOCK RELEASE MECHANISM IS WEAK. CUSTOMER EDUCATION IS REQUIRED IN THIS AREA. CONSUMERS NEED TO BE MADE AWARE OF **THE FACT THAT THE BOLT LOCK CAN BE RELEASED AT ANY TIME, W/O ADJUSTING THE POSITION OF THE SAFETY OR SQUEEZING THE TRIGGER.**
- NTBOOK223 SAME REPORT AS NTBOOK216, PG.29. BOLT LOCK RELEASE LOCATED RIGHT ON THE BOLT PLUG IS PREFERRED OVER A RELEASE LOCATED ON THE SIDE OF THE RECEIVER. CONSUMERS PREFER THE SHROUD LOCATION FOR CONVENIENCE AND EASE OF

ACCESS.

- NTBOOK224 SAME REPORT AS NTBOOK216, PG.30. CONTINUATION OF NTBOOK223.
- NTBOOK225 SAME REPORT AS NTBOOK216, PG.40. CONSUMERS PREFER THE .STANDARD BDL SAFETY 3:1 OVER THE TANG MOUNTED SAFETY.
- NTBOOK226 SAME REPORT AS NTBOOK216, PG.41. SECOND ONLY TO CONVENIENCE WAS THE SAFETY ISSUE. PERSONAL SAFETY IS MORE A FUNCTION OF THE DESIGN OF MECHANISM THAN OF ITS LOCATION. SOME CONSUMERS SAID A TANG SAFETY IS MORE LIKELY TO BE ACCIDENTALLY DISENGAGED BY THE CARRIER'S HAND, B/C IT IS OFTEN CARRIED BY THE PISTOL GRIP.
- NTBOOK227 SAME REPORT AS NTBOOK216, PG.42. ARGUMENTS FOR THE TANG MOUNTED SAFETY: CONVENIENCE, SAFETY, SMALL SIZE, QUIET.
- NTBOOK228 SAME REPORT AS NTBOOK216. CONTINUATION OF NTBOOK227.
- NTBOOK229 SAME REPORT AS NTBOOK216-APPENDIX.
- NTBOOK230 SAME REPORT AS NTBOOK216, FEATURE PREFERENCES: PREFER A BOLT LOCK; BOLT PLUG AS BEST LOCATION FOR BOLT LOCK RELEASE.
- NTBOOK231 SAME REPORT AS NTBOOK216. CONTINUATION OF PREFERENCES STARTED IN NTBOOK230. PREFERRED BOLT RELEASE TO BE LOCATED ON SIDE OF RECEIVER; BOLT PLUG STYLE-FULLY ENCLOSED; SAFETY LOCATION-STANDARD BDL PREFERRED OVER TANG-MOUNTED.
- NTBOOK232 SAME REPORT AS NTBOOK216. CONTINUATION OF APPENDIX AS IN NTBOOK229. DEMOGRAPHICS OF SAMPLE.
- NTBOOK233 4/16/85 MEMO. TO:BOWEN FROM:MURPHY. RE: MONTHLY REPORT 4/85. NEW BOLT ACTION RIFLE. TEST RESULTS OF FIRST PHASE DID NOT GO WELL. CONTINGENCY DESIGN BEING IMPLEMENTED BOLT LOCK ADDED, SAFETY RELOCATED TO THE TANG, FIRE CONTROL ADJUSTMENT RELOCATED.
- NTBOOK234 FIREARMS BUSINESS TEAM MEETING, 5/31/85. RE:NEW BOLT ACTION RIFLE. TECHNICAL IMPROVEMENTS INCLUDE: **IMPROVED** FIRE CONTROL, A SAFETY THAT BLOCKS BOTH TRIGGER AND SEAR, A BOLT LOCK WHICH ALLOWS THE CUSTOMER TO UNLOAD THE GUN W/SAFETY ON.

- NTBOOK235 5/85 RESEARCH DEPT. MEMO RE: NEW BOLT ACTION RIFLE. DEVELOPMENT OF THE EXPOSED COMPONENT FIRE CONTROL HAS BEEN STOPPED IN FAVOR OF A MODIFIED M/700 DESIGN.
- NTBOOK236 SAME AS NTBOOK234.
- NTBOOK237 7/15/85 MEMO RE:TRIGGER PULL ADJUSTMENT. OBJECTIVE IS TO ADJUST THE TRIGGER WEIGHT OF PULL FROM A SAFE LOWER LIMIT TO A REAS. UPPER LIMIT W/O REMOVING THE BARRELLED ACTION FROM THE STOCK. GOALS: MUST NOT ADVERSELY AFFECT FIREARM SAFETY.
- NTBOOK238 7/15/85 MEMO RE: NBAR FIRE CONTROL HOUSING & SAFETY. OBJECTIVE: TO PROVIDE A POSITIVELY DETENTED TRIGGER BLOCK, SEAR BLOCK SAFETY IN A CUTAWAY HOUSING TO BE USED IN THE NEW BOLT ACTION RIFLE. STAKE:ENHANCED FIREARM SAFETY.
- NTBOOK239 7/15/85 MEMO.RE;NBAR BOLT LOCK. OBJECTIVE:TO PROVIDE AN INDEPENDENT BOLT LOCK TO POSITIVELY LOCK THE BOLT IN BOTH THE SAFE AND FIRE.POSITIONS. BOLT LOCK SHOULD BE UNLOCKED AUTOMATICALLY ON FIRING. ALSO, A MEANS SHOULD BE PROVIDED TO OVERRIDE THE BOLT LOCK ONLY WHEN THE RIFLE IS ON "SAFE". GOALS: READILY IDENTIFIED, EASILY OPERATED IN ALL SHOOTING CONDITIONS, MUST NOT ADVERSELY AFFECT FIREARM SAFETY. STAKE: ENHANCED FIREARM SAFETY & REDUCED LIABILITY.
- NTBOOK240 2/12/86 MEMO. TO:MURPHY FROM:MARTIN. RE: NEW BOLT ACTION RIFLE. FIVE MODEL GUNS READY FOR TESTING.
- NTBOOK241 3/86 REM. REPORT. NEW BOLT ACTION CENTER FIRE RIFLE DESIGN FEATURE DEVELOPMENT RESEARCH.(NO MENTION OF SAFETY IN REPORT).
- NTBOOK242 3/86 REM. REPORT-TABLE OF CONTENTS.
- NTBOOK243 3/14/86 MEMO TO:BOWER FROM:MURPHY. QTRLY REPORT 3/86. NBAR REPLACEMENT FOR M/700 BDL SET FOR INTRODUCTION IN 1988. TECHNICAL IMPROVEMENTS INCLUDE A SAFETY TO BLOCK BOTH THE SEAR & THE TRIGGER.
- NTBOOK244 CONFID. MEMO BY BAUMAN/MURPHY/MARTIN. RE:NBAR. BAUMAN IS TEAM LEADER ON PROJECT. MEETING OF 10/31 W/LITIGATION DEPT. WAS USEFUL.
- NTBOOK245 8/26/86 MEMO. TO:COLEMAN FROM:BOWER. RE:NEW PRODUCT

DEVELOPMENT. MONTHLY REPORT 8/86. NBAR: BASED ON 2000 ROUNDS OF ENDURANCE AND 3 FIELD FUNCTION TESTS, PROBLEMS REMAIN W/BOLT LOCK. NEW BOLT LOCK COMPONENTS SHOULD BE OUT OF THE MODEL SHOP BY 8/27.

NTBOOK246 CONFID. MEMO. RE:NBAR. NBAR PERFORMANCE TO DATE HAS NOT BEEN SATISFACTORY. 6 ADDT'L RIFLES ARE BEING ASSEMBLED FOR TESTING. IF THEY PASS A FIELD FUNCTION TEST W/O A MALFUNCTION, DESIGN ACCEPTANCE TESTING WILL BEGIN.

NTBOOK247 SAME AS NTBOOK244.

NTBOOK248 CONFID. MEMO. RE: NEW PRODUCTS-1990 AND BEYOND. NBAR-FABRICATION OF PROTOTYPE PARTS NECESSARY FOR THE NEXT PHASE OF TESTING HAS BEGUN.

NTBOOK249 9/16/87 MEMO. NBAR SPECIFICATION LIST.

NTBOOK250 12/29/88 MEMO TO:COLEMAN FROM:BOSQUET. RE:NEW PRODUCTS DEVELOPMENT MONTHLY REPORT.

NTBOOK251 SAME REPORT AS NTBOOK250, PG.16. RE:NBAR. LISTS FEATURES IN ORDER OF PRIORITY. 2ND ON LIST WAS IMPROVED FIRE CONTROL. 3RD ON LIST WAS BOLT LOCK W/OVERRIDE.

NTBOOK252 PRODUCT REDESIGN CRITERIA-NBAR. 3/14/89. METALWORK & WOODWORK.

NTBOOK253 RESULTS OF 7/18/89 NEW PRODUCTS PRESENTATION MEETING. RE:NBAR- SUGGESTED NAME-M792. FORCE TO PULL TRIGGER MUST NOT EXCEED 4 POUNDS. ITEMS UNDER CURRENT DEVELOPMENT INCLUDE: IMPROVED FIRE CONTROL-TO MEET SPECS SET FORTH BY R&D, MKTN ' G, & LEGAL DEPTS .

NTBOOK254 9 / 2 9 / 8 9
MONTHLY REPORT-NBAR. KEN ROWLANDS IS STILL WORKING ON FIRE CONTROL. JIM HUTTON, OUT OF THE LEGAL DEPT. HAS OFFERED DIRECTION FOR FIRE CONTROL DEVELOPMENT.

NTBOOK255 FRED MARTIN'S MONTHLY REPORT 1/91. RE;NBAR-GOAL: TO PRESENT PLAN TO MARKETING TO ~'CATCH UPII W/COMPETITION. THIS CAN BE DONE "IF" THERE IS NO "CHANGING OF MINDS" (SPECS) ONCE THEY ARE ACCEPTED & THE PROGRAM STARTED.

NTBOOK2 5 6 SAME AS NTBOOK2 4 4 .

NTBOOK2 5 7 SAME AS NTBOOK2 5 4 .

NTBOOK258 1993/94 NEW PRODUCT INTRODUCTIONS. NBAR-STAINLESS STEEL MODEL PROPOSED TO BE OFFERED IN 1993. 1994-NBAR-(ITS 2ND YEAR OF PRODUCTION), NBAR WILL REPLACE ALL M/700 BDLs. BALANCE OF THE BDL LINE LINE WILL BE REPLACED W/A NON-STAINLESS STEEL VERSION OF THE NBAR. M/700 ADL TO REMAIN IN THE PRODUCT LINE.

NTBOOK259 CONFID. MEMO. NBAR MAY BE CLOSER TO THE 1ST QTR OF 1995.
NTBOOK260 1994 AND BEYOND DEVELOPMENT SCHEDULE. RE:NBAR-SCHEDULED FOR 1995 INTRODUCTION, NOT 1994.

NTBOOK261 PRODUCT SAFETY SUBCMTE POSITION ON BOLT LOCK: 7/18/79--ILION-S GOAL IS TO REDESIGN BOLT LOCK OF M/700, AND SEPARATING ITS OPERATION FROM THE MECHANISM OF THE SAFETY. OBJECTIVE: ABILITY TO UNLOAD THE RIFLE W/SAFETY LEVER IN ~ON~ POSITION. 12/7/81--PROCEDURE TO BE FOLLOWED IN REPAIRING FIREARMS W/BOLT LOCKS. ABSENCE OF BOLT LOCK IS NOT A SAFETY PROBLEM, SO WAS NOT A MATTER FOR THE PRODUCT SAFETY SUBCMTE.

NTBOOK262 HISTORY OF TRIGGER ADJUSTMENT INSTRUCTIONS.

NTBOOK263 SAME AS NTBOOK262. FROM 1962 TO 1972, INSTRUCTIONS ALLOWED ADJUSTMENT OF TRIGGER. IN 4/1973, INSTRUCTIONS SAID OWNER ADJUSTMENT OF TRIGGER IS NOT RECOMMENDED. IN 9/1980, INSTRUCTIONS SAY NEVER MAKE ADJUSTMENTS TO rT'R T - R

NTBOOK264 OPERATIONS CMTE-ILION DIVISION 3/21/75. M/700 SAFETY KNOWN/SUSPECTED AS A PRODUCT DEFICIENCY. 3/18/76: M/700 SAFETY LEVER WAS A KNOWN/SUSPECTED PRODUCT DEFICIENCY.

NTBOOK265 M/700 YEARLY SALES 1962-1988. TOTAL SOLD:2,338,459.

NTBOOK266 SAFETY RECOMMENDATIONS OF REM. RESEARCH DEPT.

NTBOOK267 OPERATIONS CMTE-ILION DIVISION. M/700 FIRE CONTROL IMPROVEMENT: MINUTE#17, PG.17, 10/18/79. MINUTE#20, PG.15, 12/12/79. MINUTE#3, PG.9, 2/20/80.

NTBOOK268 REM. OWNERS' MANUAL SUMMARY OF WARNINGS & INSTRUCTIONS. (CHART)

NTBOOK269 CONTINUATION OF NTBOOK268.

- NTBOOK270 CONTINUATION OF NTBOOK268.
- NTBOOK271 CONTINUATION OF NTBOOK268.
- NTBOOK272 M/700 SAFETY PERFORMANCE CHECK MATERIALS. ~TRIGGER PULL ADJUSTMENT ON ANY FIELD RIFLE SHOULD NEVER BE ADJUSTED BELOW THREE POUNDS.~ "...TARGET RIFLE SHOULD NEVER BE ADJUSTED BELOW TWO POUNDS."
- NTBOOK273 SAME AS NTBOOK272.
- NTBOOK274 2/72-OWNERS~ MANUAL INSTRUCTED OWNERS HOW TO ADJUST PULL OF TRIGGER. 4/72 OWNER'S MANUAL SAID ADJUSTMENT OF WEIGHT PITT,T, T~ TIT~'~S.S THAN THREE POUNDS IS NOT RECOMMENDED.
- NTBOOK275 9/80 OWNER'S MANUAL. INSTRUCTS OWNER TO NEVER MAKE An~TTT~sTMT~NT~s T~ THE TRIGGER.
- NTBOOK276 9/80 OWNER'S MANUAL INSTUCTS OWNER TO CLEAN ACTION W/GUN CLEANING SOLVENT AND DRY W/ CLOTH. APPLY A THIN COAT OF OIL TO PREVENT RUST.
- NTBOOK277 12/82 OWNER'S MANUAL INSTRUCTS OWNER TO NEVER PULL THE TRIGGER WHEN THE SAFETY SWITCH IS IN THE "S" POSITION.
- NTBOOK278 6/86 OWNER~S MANUAL INSTRUCTS OWNERS TO NEVER MAKE ADJUSTMENTS TO ANY PARTS OF A FIREARM.
- NTBOOK279 6/86 OWNER~S MANUAL SAYS TO CLEAN RECEIVER & TRIGGER ASSEMBLY ONLY W/REM. OIL.
- NTBBOK280 CHRONOLOGY OF LUBRICATION INSTRUCTION. 2/72-CLEAN BOLT & ACTION IN SOLVENT & WIPE CLEAN. DON~T USE OIL TO CLEAN M/700. 9/80-CLEAN W/ GUN CLEANING SOLVENT. APPLY A THIN COAT OF OIL TO PREVENT RUST. 12/82-CLEAN ONLY W/ DUPONT TEFLON WET LUBRICANT.
- NTBOOK281 CONTINUATION OF NTBOOK280. 6/86-THIN COAT OF REM. OIL SHOULD BE APPLIED TO PREVENT RUSTING. CLEAN RECEIVER & TRIGGER ASSEMBLY W/REM. OIL. NON-RECOMMENDED LUBRICANT COULD CAUSE PROBLEMS POSSIBLY LEADING TO ACCIDENTAL FIRING.
- NTBOOK287 REM. RECOGNIZED CAUSES OF M/700 MISFIRES: (1) OIL/DIRT IN FIRE CONTROL, (2) ADJUSTMENT OF ENGAGEMENT, OVERTRAVEL OR