

7-29-89

MONTHLY REPORT - SEPTEMBERNEW BOLT ACTION RIFLE - BAUMAN/ROWLANDS/MARTIN SEPPALA

WORK IS CURRENTLY CONTINUING ON THE N'BAR PROGRAM. ONE SPECIFICATION, NOT PREVIOUSLY LISTED, HAS BEEN ADDED TO GUN SPEC'S. & THAT IS FOR THE BOLT DESIGN TO INCLUDE A COCKING INDICATOR. THIS IS TO ENABLE SHOOTER TO VISUALLY DETERMINE IF THE FIRING PIN IS COCKED OR UNCOCKED.

EARL SEPPALA HAS STARTED THE INVESTIGATION STAGE FOR A DETACHABLE MAGAZINE BOX, LOOKING AT THE COMPETITION & AFTERMARKET KWIK-KLIP.

KEN ROWLANDS IS PROGRESSING ON THE INVESTIGATION & IDEA STAGE FOR AN IMPROVED FIRE CONTROL. THE LEGAL DEPT., JIM HUTTON, HAS OFFERED DIRECTION & ASSISTANCE FOR FIRECONTROL DEVELOPMENT.

LAYOUTS ARE IN PROGRESS CURRENTLY BY T. BAUMAN FOR AN IMPROVED BEDDING/ACCURACY CONCEPT, ORIGINATING FROM WAYNE CABLE OF THE CUSTOM SHOP. PROTOTYPES WILL BE BUILT IN 30-06 FOR EVALUATION.

ED KLOCK IS BEING ASSIGNED TO AID N'BAR PROJECT WITH ANY COMPUTER VISION WORK REQUIRED. WE WILL START BY MODELING & DETAILING CURRENT M/700 MODEL DWG'S. ON "CV" SYSTEM THAT WILL NOT CHANGE FOR N'BAR PROGRAM.

9-27-89

NEW BOLT ACTION RIFLE - BAUMAN / ROWLANDS / MARTIN /  
SEPPALA

- WORK IS CURRENTLY CONTINUING ON THE N'BAR PROGRAM. ONE SPECIFICATION, NOT PREVIOUSLY LISTED, HAS BEEN ADDED TO SPEC'S & THAT IS FOR RESERVA TO INCLUDE A COCKING INDICATOR. THIS IS TO ENABLE THE SHOOTER TO DETERMINE IF <sup>VISUALLY</sup> ~~THE BOLT~~ <sup>THE BOLT</sup> PIN IS COCKED OR UNCOCKED. ~~YES~~

EARL SEPPALA HAS STARTED THE INVESTIGATION STAGE FOR A DETAILED INVESTIGATING BOX, LOOKING AT THE COMPETITION & AFTERMARKET Kwik-Klip.

KEN ROWLANDS IS PROCESSING ON THE INVESTIGATING & IDEA STAGE FOR <sup>AN IMPROVED</sup> FIRE CONTROL. THE LEGAL DEPARTMENT, JIM HUTTON, HAS OFFERED DIRECTION & ASSISTANCE FOR FIRECONTROL DEVELOPMENT.

DESIGNS ARE IN PROGRESS CURRENTLY <sup>BY T. G. DUNN</sup> FOR AN IMPROVED DESIGN / DESIGN CONCEPT, ORIGINATING FROM WORKS WORLD OF THE CUSTOM SHOP. PROTOTYPE'S WILL BE BUILT IN 30-06 TO EVALUATE.

ED KLOCK HAS BEEN ASSIGNED TO AID N'BAR PROJECT WITH ANY COMPUTER / VISION WORK REQUIRED. WE WILL START BY <sup>REVIEWING 8 PROGRAMS CURRENTLY IN 700</sup> ~~DESIGNING~~ MODEL RULES ON CV SYSTEM THAT WILL NOT CHANGE FOR N'BAR PROGRAM.

CONFIDENTIALNEW BOLT ACTION RIFLE - Bauman/Rowlands/Martin

A new Products Presentation and Marketing Meeting was held on 7/18/89 with Field Reps. and Ilion R&D Personnel at Ilion. During this meeting, design specifications and parameters were presented, discussed and modified as follows:

Suggested Name: Model 792

Trigger pull must be crisp, with no overtravel or creep.  
Force to pull trigger must not exceed 4 pounds.

Magazine box should be installed in the receiver and then retained by a latched floor plate. This will also allow the opening in the bottom to be covered when the magazine box is removed from the gun.

Scope mount should be comprised of two separate bases instead of a one-piece bridged type.

Utilize nylon or delrin inbedded into the barrel channel at the front of the stock to improve accuracy.

Retain M/700 receiver configuration at the front but restyle at the rear.

Consider restyle of the bolt handle.

A schedule for N'BAR Research Development Costs for periods June '89 thru October '92 or June '89 thru October '91 were completed and a decision was made to utilize the October '91 Cost/Manpower Schedule. R. Murphy has done some preliminary layout work on an improved fire control for N'BAR. R. Murphy's work has terminated on N'BAR. Ken Rowlands will be working on N'BAR as SP-10 Mag. Commitments allow and R. Martin part time as consultant.

Items currently being developed are:

- o Detachable magazine box attached to floor plate in conjunction with Steve LaCrosse of Sure-Cast Industries & Bardane Manufacturing Company who distributes the 'Kwik-Klip' aftermarket magazine box. Bauman
- o Improved Fire Control - Ken has started investigation and familiarization of fire control status to meet specifications and parameters set forth by R&D, Marketing and Legal Departments. SPEC'S ALSO COCKING INDICATOR TO BE INCLUDED Rowlands
- o Improved Bedding/Accuracy - A design is being worked on to improve accuracy, that originated from Wayne Cable of the Custom Shop. Basically, it is relieving part of the thread in the receiver to allow piloting an elongated solid hub section of the barrel for accurate alignment of both parts. A thicker, relieved barrel bracket is also being incorporated. This is currently at the Layout/Detail stage of development. Bauman

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