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2/25/93

TO: M. D. KEENEY

FROM: J. R. BALIO

SUBJECT: REVISED NBAR PROTOTYPE SPECIFICATIONS

Mike,

As we discussed, I have committed to having two prototypes complete for June 1993. These do not need to be functional, but they must be finished gun quality cosmetic samples. The characteristics I am interested in determining customer preference on are:

- o Barrel profile
- o One piece vs. two piece action design
- o Ejection port configuration
- o Scope mount design
- o Stock configuration
- o Recoil pad style
- o Wood finish gloss
- o Bolt handle styling
- o Bolt body styling
- o Bolt plug styling
- o Overall appearance

The two prototypes should be configured as follows:

COMMON ATTRIBUTES:

- o 24" Barrel
- o Long action
- o Receiver drilled and tapped for new scope base
- o Appearance of a magazine box
- o Sling swivel studs
- o Free floated barrel
- o No safety or bolt lock (use current guns for discussion)
- o Non-functional

GUN 1:

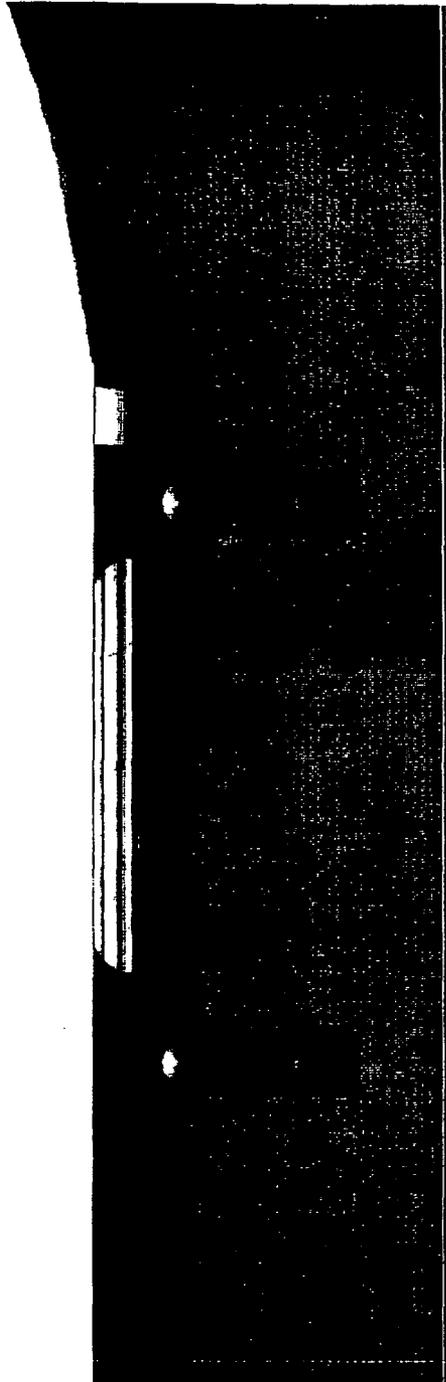
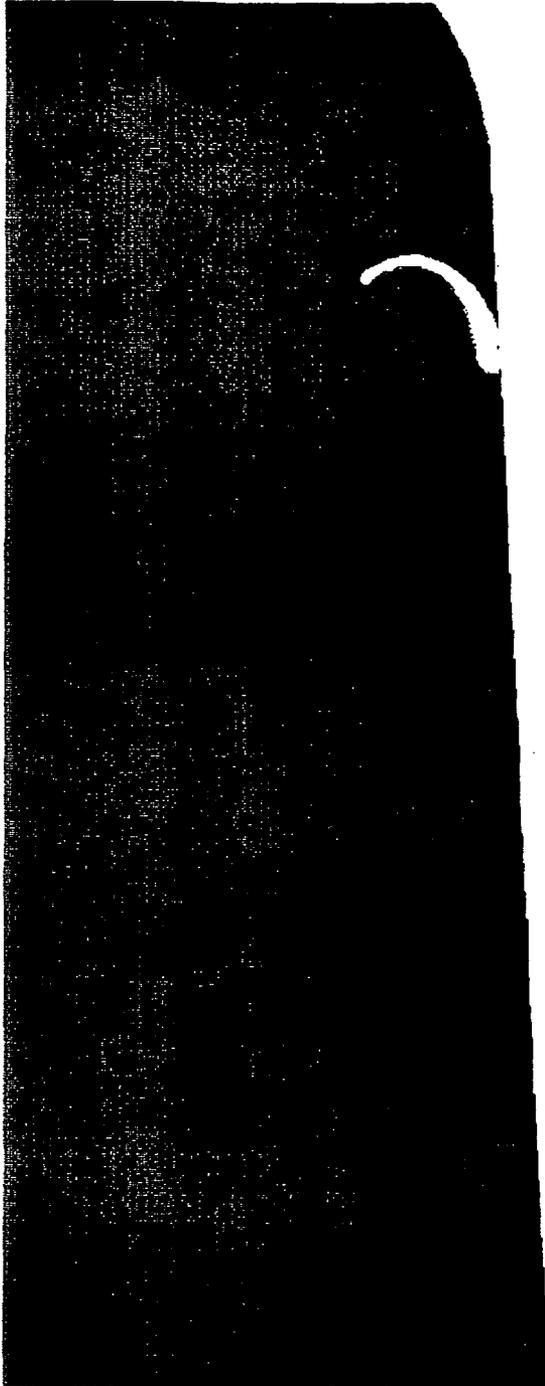
- o New barrel/receiver profile with transition at receiver
- o Clean barrel
- o Flat crown with counterbore - Mountain Rifle style
- o Oval ejection port
- o High polished (better than 320 oil) blue
- o New bolt handle style
- o Jeweled bolt body
- o New bolt plug style
- o High gloss stock with black fore-end tip, grip cap and plugs with white line spacers
- o Monte Carlo with cheek piece
- o Black vented recoil pad
- o Stock shape to be between the BDL and MTR

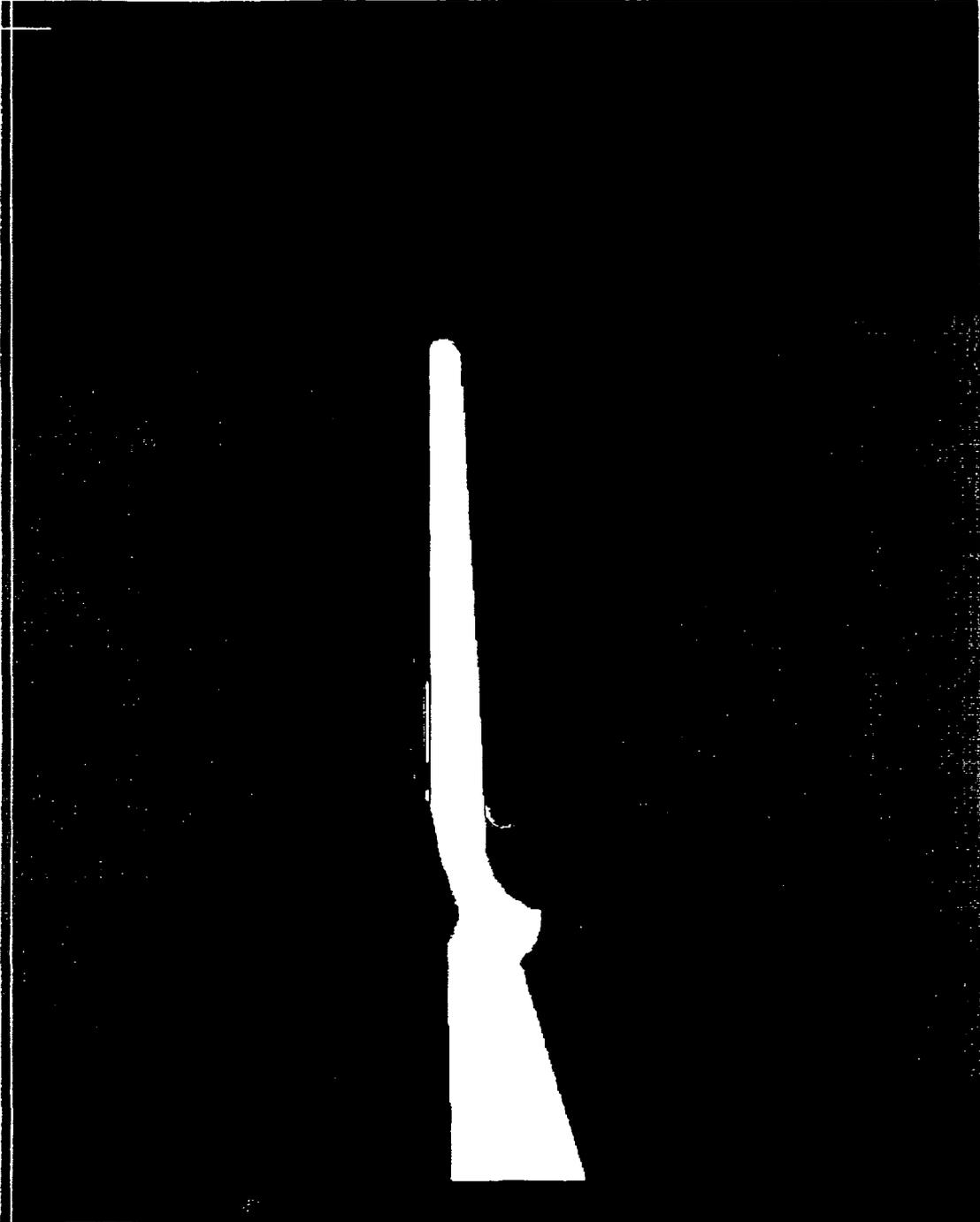
GUN 2:

- o New barrel/receiver profile with altered transition at receiver
- o Clean barrel
- o Round crown - Current BDL style
- o Traditional ejection port
- o High polished (better than 320 oil) blue
- o New bolt handle style - different from GUN 1
- o Fluted bolt body - high polish OD - black flutes?
- o New bolt plug style - different from GUN 1
- o Mid gloss stock with "B" grade fore-end tip & grip cap with spacers and black plugs
- o Classic shape stock with cheek piece
- o Black solid recoil pad

The competitive guns we will use are:

A-Bolt Medallion w/o sights  
77 RS MKII  
A-Bolt Stainless Stalker  
Weatherby Mark V  
70 SM  
700 BDL  
Sako





TRIGGER ASSEMBLY:

1. TWO POSITION SAFETY WITH RELEASABLE BOLT LOCK
2. CUSTOMER ADJUSTABLE TRIGGER PULL ABOVE SAFE LIMIT
3. WIDE TRIGGER

STOCK ASSEMBLY:

1. ALUMINUM RECOIL/BEDDING INSERT EPOXIED OR MOLDED INTO STOCK (FRONT AND REAR ALUMINUM BEDDING)
2. FUTURISTIC SYNTHETIC STOCK WITH INSERTABLE PADS
3. CLASSIC WALNUT STOCK

Lock TIME : ~~3.0~~ <sup>30%</sup> REDUCTION IN LOCK TIME FROM M/700  
(3.0 ms → 2.1 ms)  
5-10% QUICKER THAN M/788 (788 = 2.3 ms)  
↳ that is for long action !!  
↳ short action NBAR possibly under 2ms