

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

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March 18, 1985

TO: J.W. Bower
F.E. Martin
F.H. Smith

FROM: R.S. Murphy RSM

Competitive Reviews - Fire Control & Safety

On Monday, March 11, and Thursday, March 14, competitive reviews of bolt action fire controls were held in the Research Conference Room. Six major competitor's designs were reviewed and a listing of comments follows.

Weatherby Vanguard (S&W 1500 similar)

- o plunger trigger block, no sear block
- o 788 style sear
- o cast trigger
- o right side tang safe; null position possible
- o S&W has no trigger overtravel stop screw
- o trigger adjustable out of stock
- o fully machined flat bottom receiver
- o plunger safety detent
- o can't put safety on after firing
- o can put safety on with bolt open

Browning BBR

- o trigger block, no sear block (screw through trigger)
- o center tang safe
- o torsion spring for safety detent
- o bolt lock on safe
- o can't put safe on after firing or with open bolt
- o lots of trigger/sear engagement
- o weight of pull adjustable out of stock
- o stamped metal housing
- o safety link not peened or staked

Competitive Review - Fire Control & Safety -cont'd.

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Ruger 77

- o tang safe
- o trigger housing part of cast receiver
- o bolt lock on safe
- o can't put safe on after firing or with bolt open
- o torsion safety detent spring
- o weight of pull adjustable from bottom in stock
- o safety link not peened or staked
- o flat bottom receiver

Winchester 70

- o bolt plug three position safety, firing pin block
- o extremely hard to put safe on
- o exposed component fire control
- o pre-set engagement, lots of overtravel
- o weight of pull adjustable out of stock
- o trigger pull factory set to 6 lbs.

Sako L61R

- o action tailored to cartridge size (fewer feeding problems)
- o trigger block, no sear block
- o plunger safety detent; null position probable
- o fully adjustable out of stock
- o firing pin head/sear engagement determined by pivot and two screw arrangement
- o sear slides vertically in operation

Colt Sauer

- o bolt lock on bolt handle
- o housing all stampings
- o engagement adjustable in stock
- o trigger block, no sear block
- o roller on top of sear
- o center tang safety
- o stamped safety detent
- o can't put safe on after firing
- o can put safe on with bolt open
- o loaded chamber indicator on receiver

Competitive Review - Fire Control & Safety - cont'd.

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A drop test of these models will be scheduled to determine what happens when weight of pull adjustment screws are backed out.

I will also attempt to determine what court cases are pending against our competitors as well as the issues concerned.

A Ruger 77-22 with a bolt plug safety that blocks the firing pin and sear will be purchased for evaluation.

RSM:sps