

F-136

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

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"CONFINE YOUR LETTER TO ONE SUBJECT ONLY"

November 8, 1982

TO: R. E. FIELITZ

FROM: T. L. CAPELETTI *TC*

SUBJECT: HIGHLIGHTS FOR STAFF MEETING

Model Seven Lightweight

During trial and pilot testing, premature opening of the floor plate latch occurred. A redesign has been made by pinning it to the latch spring and altering the front camming surface. During extended jack and shoulder shooting, there has been no premature opening of the floor plate. Parts were made to retrofit in the Writers' Seminar rifles. If no other problems develop, this new latch design will be implemented in production.

Model 7400 Carbine, .223

The Model 7400 carbine in .223 caliber is being finalized. The four shot box has been tested in both the jack and field and looks promising. Five guns are being assembled to the latest design and will be in test by the week of November 22, 1982. However, there are specifications that need to be finalized (eg: barrel, wood, and receiver designs).

Bolt Action Rifle

Bob Emmons has not started the fourth model due to a delay in receiving the revised barreled action from Pete Grisel. That rifle should be completed in December.

Component parts for the new action design are planned for completion in mid-December. Prototypes of the rotary magazine box and new extractor design are being worked on in the N/C and Model Shops.

Model 1100 Special

Four Model 1100 Special 12 Ga. shotguns are now complete. One Model 1100 Special 20 Ga. has been assembled except for the fore-end.

Stock drawings are being detailed and should be completed by the end of November. All other model drawings are complete and ready to transmit.

Fore-end testing will begin the week of November 15, 1982. Fore-ends for the 20 Ga. will be completed by the week of November 22, 1982.

Cut Checkering Machine Development

A Research project is circulating in Ilion for a low cost (\$50M per spindle) cut checkering system. This system will be comprised of three elements - a standard CNC machine for pressed wood, a specially developed machine for sanded wood, plus automation equipment.

The CNC machine has been demonstrated, at the vendor's site, on Model Four stocks. Diamond quality was excellent. We could use the Research machine to produce Model Four and Six stocks next summer, freeing a current N/C machine to checker the Model 1100 Special.

Injection Molded Metal and Ceramic Components

The mold for the Model 700 magazine follower will be completed (Research N/C Shop) by the end of November. A mold for the Model 700 rear sight base is scheduled for completion (Wilmington Shops) in March.

A Remington mixed 316 stainless steel has been processed with acceptable results in all categories except density. Alterations to the sintering cycle are being explored which should result in improved density.

Witec has been sold. They are now a part of the Technetics Materials group of Brunswick.

TLC:ws
Ilion Research Division