

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

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Xc: C. B. Workman

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

Ilion, New York
April 14, 1982

TO: R. E. FIELTIZ
FROM: T. L. CAPELETTI *TC*
SUBJECT: HIGHLIGHTS FOR STAFF MEETING

CURRENT PRODUCT DEVELOPMENT

Model Seven LWT (Bolt Action Carbine)

Redesign of the stock bedding area to provide barrel tension may be required to produce acceptable accuracy in the 7mm-08 caliber rifles. Recent test results indicate that preloaded barrels produced the best and most consistent 5 shot groups. New stocks are expected the end of April to confirm these findings and to determine the optimum amount of preload. All other planned calibers will also be included in the test to determine if the stock modification can be implemented without regard to caliber.

Model 700 Sporter

Specifications have been finalized, drawings and parts lists have been provided for cost estimation, and a stock former is being prepared at EDL. Based on digitizing of a hand finished stock, the stock drawing will be prepared and Design Transmittal will be completed by May 15th. Twenty-eight (28) sets of machined, aluminum scope mounts have been provided to Process Engineering for development of a finishing process.

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Model 870 Limited Edition

Etched and plated plates have been received from Newcut and provided to Marketing for evaluation. Newcut quality remains questionable and may require submission to an alternative vendor (eg. Fountain Plating). Revised artwork is expected by the end of April.

Ducks Unlimited - 1983

Artwork for the Commemorative and Trade guns will be completed in April. Providing there are no changes compared to 1981 and 1982 models, a receiver will be engraved and a model gun completed in May. Drawings and Parts Lists will be provided for cost estimating in May.

Model 700 Classic, .300 H&H

Engineering test models will be completed in June.

Model 700 BDL, .223 Caliber

Engineering test models will be completed in May.

NEW PRODUCT DEVELOPMENTXSG/XPG Shotguns

Six new model guns are being prepared for Research and Marketing evaluation. Four of the six will be completed by May 1, 1982. The two remaining will be complete by July 1, 1982. A cost and design analysis is in progress to reduce the capital investment projected for implementation of this design.

M/7400/7600 Centerfire Rifles

An Engineering test sample of the Model Four/Six, 223 Caliber Carbine has been completed for Test Lab evaluation. Six guns each of the M/7400 New Calibers (7mm-08 and 25-06) are in the Test Lab for evaluation.

MATERIALS AND PROCESS DEVELOPMENTCNC Vertical Machining Center

A Matsura CNC machining center, authorized under Project TI-123, was installed on April 13. This machine, which replaces a badly worn, and outdated Ex-Cell-O N/C machine, will be used for the manufacture of prototype firearms parts.

Form-Rolling

A pilot run of M/1100 and 870 trigger plate pins was successfully form-rolled at Rol-Flo Engineering, Incorporated's facilities in Rhode Island. Burnishing of M/1100 - 870 and M/7400 - 7600 firing pins will be tried next. If successful, a project will be started for purchase of equipment.

(Form-Rolling is a deformation process, similar to thread rolling, which may be applicable to manufacturing symmetrical, basically cylindrical parts.)

Injection Molding Metal and Ceramic Components

Installation of the pilot-line is proceeding on schedule. The Arburg molding machine was successfully started up on April 14. All of the Witec processing equipment is in place. Witec's factory representative is due here April 20.

Compilation of the materials properties handbook has started with parts molded here and processed at Witec.

Seismic Guns

All guns required to fulfill Mapco's order have been shipped.

PERSONNEL ITEMS

The following changes in personnel are projected for the near future:

- Thelma Ireland, Secretary to Division Manager
 - Retiring effective April 30, 1982

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- Eloise Burdick, Secretary to Division Manager
 - Vice Thelma Ireland
- Sal Fanelli, Associate Engineer - New Product Development Group
 - Resigning to accept a position with Fabrique Nationale - Columbia, S.C.
 - Effective April 23, 1982
- Merle Carter, Engineering Assistant - New Product Development Group
 - Being terminated for excessive, inexcused absences

TLC:ws
Firearms Research Division