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## REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

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"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" \_\_\_\_\_

Ilion, New York  
February 11, 1983

TO: C.B. WORKMAN  
FROM: T.L. CAPELETTI *TC*  
SUBJECT: HIGHLIGHTS FOR REMINGTON STAFF MEETING

New Product Developmento Model 1100 Special Shotgun

Model drawings have been transmitted to production for both 12 & 20 Ga. Model 1100 Special Field shotguns. The two piece butt plate design is transmitted and the 20 Ga. Stock will be complete in February.

The thirty-five (35) sample guns for use by the Market Field Force personnel are complete. They will be shipped by mid-February.

o Model 870 Special Field

A sample of the final design specifications approved by Marketing is being assembled. Design specifications are 100% complete and drawings are 75% complete to those specifications. Drawings for economic analysis will be sent to process by March 1, 1983.

o Parker Shotgun

Arrangements are proceeding to complete one (1) VH Grade, 12 Ga. Parker in the First Quarter of 1983. One frame and barrel set has been fitted and returned to Larry Del Grego. Further work also has been completed per Larry Del Grego's instructions and is now ready to be returned for the second time.

For the long-term program, a 20 Ga. Parker modified by Del Grego is being considered. Arrangements are being made with Jess Briley (Houston) to design and build prototypes.

To: C.B. Workman

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2-11-83New Product Development - Contd.o Model 870 Riot Gun

Function tests on twelve (12) guns and endurance tests on two (2) guns with modified slides and carriers are in progress with no major problems. The endurance test goal is 20,000 rounds without a jamming malfunction. The endurance guns have successfully completed 2500 and 5,000 rounds, respectively, to date.

Current Product Developmento Model 870 12 Ga. Mag. 18" Full Choke Police Shotguns

Point of impact testing was satisfactory on barrels with the new design sight base. Parts list and drawings have been sent to Process for cost estimating.

o Model Seven Lightweight Aluminum Floor Plate Assembly

Three (3) prototype samples are in test. Ten (10) prototypes will be ready for extended testing in March. No bind follower tests with 222 Caliber prototypes were good with a 2% malfunction rate. A larger quantity has been ordered for extended testing with new design magazine springs to eliminate the stem malfunctions.

Ten (10) 223 Cal. rifles are in the Test Lab for function and accuracy testing.

o Model 700 ADL Restyle

Testing was completed and drawings modified on a vendor requested change on the long action no bind follower.

Preliminary testing of the latest 222 caliber no-bind follower gave a high percentage of overrides on the last round in the magazine.

A master stock has been completed and is being digitized for model drawing dimension.

To: C.B. Workman

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Process and Materials Research

o Cut Checkering Machine Development

Appropriation Request TIF-126 has been approved. Quotes for checkering machines are being reviewed. All questions are expected to be resolved by 2/18, and a purchase requisition issued at that time.

Research is reviewing the program in light of Marketing's request to have cut checkering on the M/870 for 1984.

o Injection Molded Metal and Ceramic Components

A commercial order has been received from West Comp. for 2500 lyphilization stoppers. Sandia National Laboratories has verbally given us an order to develop an injection molded ceramic piezoelectric element. Development for Sandia will be carried out in cooperation with EDL and CR&D.

The M/700 Magazine Follower mold is being revised to reduce warpage. Additional followers will be processed next week.

TLC:js