

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE

Remington
OUTPOND

PETERS
OUTPOND

Distribution: W.H. Coleman, II

J.W. Bower

C.E. Ritchie

R.S. Murphy

F.E. Martin

File

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

RESEARCH TEST and MEASUREMENT REPORT - Report No. 840191

M/700 .280 CALIBER PROTOTYPE MOUNTAIN RIFLE DESIGN
ACCEPTANCE EVALUATION

Prepared by: J. Baggetta

Date Prepared: 1-31-84

Proofread and Cleared by:

R.E. Nightingale,
Foreman - Test, Measurement Lab

R.E. Nightingale 2-6-84
Signature Date

C.E. Ritchie, Sr. Supervisor
Testing, Measurement & Mech. Analysis Lab

C.E. Ritchie 2/6/84
Signature Date

TEST & MEASUREMENT LAB REPORT

REPORT NUMBER: 840191

REPORT TITLE: M/700 .280 CALIBER PROTOTYPE MOUNTAIN RIFLE DESIGN
ACCEPTANCE EVALUATION

MODEL(S): 700

GAUGE OR CALIBER: .280

DATE: 1/19/84

WORK ORDER NO.: C-9054-314

PART NAME: M/700 .280 CALIBER PROTOTYPE MOUNTAIN RIFLE

DESIGNER/ENGINEER: F.E. MARTIN

TEST TYPE:

1. PHOTO LAB
2. STRENGTH TEST-NO. OF GUNS TESTED _____
3. FUNCTION TEST-NO. OF GUNS TESTED 5
4. ACCURACY TEST-NO. OF GUNS TESTED _____
5. MEASUREMENTS - TYPE HEADSPACE _____
6. ENVIRONMENTAL TEST
7. AMMUNITION TESTING & EVALUATION-TYPE _____
8. VISUAL EVALUATION _____ OUT OF _____ GUN SAMPLE
9. ENDURANCE-NO. OF GUNS TESTED: 5
NO. OF ROUNDS PER GUN 1000
TOTAL ROUNDS FIRED IN TEST 5000
AMMO TYPE: MAGS. _____ TARGET: _____
RIM FIRE _____ CENTERFIRE X

REMINGTON ARMS CO., INC.
Firearms Research Division

Report No. 840191
Page 1

January 31, 1984

TO: F.E. MARTIN
FROM: J. BAGGETTA
REPORT TITLE: M/700 .280 CALIBER PROTOTYPE MOUNTAIN
RIFLE DESIGN ACCEPTANCE EVALUATION

ABSTRACT

On January 19, 1984 a request was received from F.E. Martin, Rifle Design, to endurance test five (5) M/700 .280 Caliber rifles with a new reinforcement system. (Refer to Drawings B-92843, B-92844, B-15651)

SCOPE OF TEST

To determine if the new reinforcement system is adequate and compatible with the stock design, by checking for stock damage and cracks.

TEST RESULTS

Five (5) M/700 .280 Caliber rifles were used in this test. There were no malfunctions, stock damage or cracks found during this test.

M/700 .280 Caliber Prototype Mountain
Rifle Design Acceptance Evaluation

Report No. 840191
Page 2

REPORT TEXT

A. Jack Live Round Endurance Test

Five (5) M/700 .280 Caliber rifles were fired a total of 5,000 rounds (1,000 rounds each.) No malfunctions, stock damage or cracks occurred during firing.

TEST PROCEDURE

A. Five (5) M/700 .280 Caliber prototype rifles were brought to the Test Lab and headspace taken on each gun before and after test.

1. Indoor Jack Shooting

- The test was run using the Research Test Lab shooting room jacks.
- The rifles were fired with one (1) round in the chamber and four (4) in the magazine.
- The rifles were cooled every 20 rounds.
- The rifles were checked for stock damage and cracks every 200 rounds.

2. Ammunition

- Remington R280R-1 (150 grain)

3. Rifles Used in Test

- B6471728
- B6471732
- B6471573
- B6471690
- B6471707