

REMINGTON ARMS COMPANY, INC.

INTERDEPARTMENTAL CORRESPONDENCE

Remington
1910

PETERS
1910

Distribution: C. B. Workman
J. W. Brooks
C. E. Ritchie
D. E. Bullis

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

RESEARCH TEST and MEASUREMENT REPORT - Report No. 823331

MODEL SEVEN LWT. FUNCTION TEST OF NEW LATCH AND FLOOR PLATE DESIGN

Prepared by: C. Stephens

Date Prepared: 12-17-82

Proofread and Cleared By:

J.H. Hemminger, / R.E. Nightingale,
Foreman-Test Lab / Foreman-Measurement Lab

J.H. Hemminger 12-29-82
Signature Date

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

C.E. Ritchie 12/29/82
Signature Date

TEST & MEASUREMENT LAB REPORT

REPORT NUMBER: 823331
REPORT TITLE: Model Seven LWT Function Test of New Latch and Floor
Plate Design
MODEL(S): Seven
GAUGE OR CALIBER: .308
DATE: 12-17-82
WORK ORDER NO.: C-1856-000
PART NAME: Latch & Floor Plate
DESIGNER/ENGINEER: D. Bullis

TEST TYPE:

1. PHOTO LAB
2. STRENGTH TEST - NO. OF GUNS TESTED _____
3. FUNCTION TEST - NO. OF GUNS TESTED 10
4. ACCURACY TEST - NO. OF GUNS TESTED _____
5. MEASUREMENTS - TYPE: _____
6. ENVIRONMENTAL TEST
7. AMMUNITION TESTING & EVALUATION - TYPE: _____
8. VISUAL EVALUATION - _____ OUT OF _____ GUN SAMPLE
9. ENDURANCE - NO. OF GUNS TESTED: _____

NO. OF ROUNDS PER GUN: _____

TOTAL ROUNDS FIRED IN TEST: _____

AMMO TYPE: MAGS. _____; TARGET: _____

RIM FIRE _____ CENTER FIRE _____

December 17, 1982

TO: R. E. Nightingale
FROM: C. Stephens
REPORT TITLE: MODEL SEVEN LWT. FUNCTION TEST OF NEW LATCH AND
FLOOR PLATE DESIGN

ABSTRACT

Due to a change in Latch and Floor Plates, design of the Model Seven LWT .308 Cal. Rifle, D. Bullis requested a function test of ten (10) rifles be performed.

SCOPE OF TEST

To determine if the design changes would cause the floor plate of a Model Seven to open during firing.

TEST RESULTS

Results indicate the changes made will not allow the latch to open. However, eight (8) of the guns experienced difficulty in loading the fourth round in the magazine.

REPORT TEXT

Ten Model Seven LWT. with Latch and Floor Plate changes were tested for floor plate opening when fired. Results indicate that the changes will not adversely affect the proper performance of the floor plate.

Results also show a problem does exist with loading the fourth round in the magazine in eight (8) of the ten (10) rifles.

One rifle had ejection and follower malfunctions. Appendix A contains the data sheets for the ten rifles.

TEST PROCEDURE

A. Measurements

No measurements were taken.

B. Test Conditions

1. Same type of ammunition.
2. Same person to shoot all ten rifles.

C. Test

The test was conducted in the R & D Shooting Room using a shooting jack. All rifles were shot by C. Dickenson. Twenty rounds were fired from each gun using the same type of ammunition.

D. Ammunition

1. Winchester 200 gr. Silvertip Exp. (Code 58PNY)

" APPENDIX " A "

Data Sheets

PREVIOUS ROUNDS

DATE: 12-14-82

MODEL: M2

DATE: 308

SERIAL NO. 7600107

TEST TITLE: FLOOR PLATE

TTL. RDS. FIRED: _____

TTL, MALFUNCTIONS:

MALFUNCTION RATE: _____

"MALFUNCTIONS"

[illegible]

SERIAL NO. B6226256

TEST TITLE: FLOOR PLATE

TTL. RDS. FIRED!

**TTL, MALFUNCTIONS!
MALFUNCTION RATE!**

MULTIFUNCTIONAL

R2514053

JACK ENDURANCE:

STAFF ATTENDANCE

REFUGEE NO. 10-1-1

VALUE NO.

MODEL: M2

DATE: 308

SERIAL NO. 7600139

PREVIOUS ROUNDS

TEST TITLE: 7LOAD PLATE

TTL. RDS. FIRED!
TTL. MALFUNCTION
MALFUNCTION RATE

“BIOIDENTITY”

[illegible]

PREVIOUS ROUNDS

TEST TITLE: FLOOR PLATE

TTL. RDS. FIRED:
TTL. MALFUNCTION:
MALFUNCTION RATE

"MALFUNCTION"

REMARKS
(ON BACK)

SERIAL NO. 86226237

TEST TITLE: FLOOR PLATE

TTL, RDS, FIRED: _____
TTL, MALFUNCTIONS: _____
MALFUNCTION RATE: _____

"MALFUNCTIONS"

R2514056

SERIAL NO. 7600088

TEST TITLE: FLOOR PLATE

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

R2514057

SERIAL NO. 7600067

TEST TITLE: FLOOR PLATE

HALF-FAILURE RATE:

"MALFUNCTIONS"

R2514058

SERIAL NO. 7600079

TEST TITLE: FLOOR PLATE

TTL. RDS. FIRED:
TTL. MALFUNCTIONS:
MALFUNCTION RATE:

"MALFUNCTIONS"

R2514059

