

REMINGTON ARMS COMPANY, INC.

INTERDEPARTMENTAL CORRESPONDENCE

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Distribution:

FRED MARTIN-

"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

RESEARCH TEST and MEASUREMENT REPORT - Report No. 831882

M/700 RIVETED (ALUM²⁴ STEEL) STOCK VERSUS PRESENT
REINFORCED STOCK. (TEST RESULTS ONLY)

Prepared by: R. W. HOWE

Date Prepared: 7-13-83

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~~Foreman-Test Lab~~ / R.E. Nighringale,
Foreman-Test Lab / Foreman-Measurement Lab

Signature _____ Date _____

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

Signature _____ Date _____

TEST & MEASUREMENT LAB REPORT

REPORT NUMBER: 831882

REPORT TITLE: M/700 RIVETED (ALUM. + STEEL) STOCK VERSUS
PRESENT REINFORCED STOCK.

MODEL(S): 700

GAUGE OR CALIBER:

DATE: 7-13-83

WORK ORDER NO.: C-9051-000

PART NAME: STOCK

DESIGNER/ENGINEER: FRED MARTIN

TEST TYPE:

1. PHOTO LAB

2. ☒ STRENGTH TEST - NO. OF GUNS TESTED 8

3. FUNCTION TEST - NO. OF GUNS TESTED _____

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 _____

JULY 13, 1983

TO - FRED MARTIN
FROM - BOB HOWE

TEST TITLE:

M/700 RIVETED (ALUM + STEEL) STOCK VERSUS
PRESENT REINFORCED STOCK.

REASON FOR TEST:

TO DETERMINE COMPARATIVE STRENGTH OF
RIVETED (ALUM + STEEL) STOCK VERSUS PRESENT
REINFORCED STOCK,

TEST PROCEDURE:

ALL EIGHT SAMPLES, 4 PRODUCTION AND 4
RIVETED WERE STRESSED TO THE CRACKING
POINT ON DILLON 10,000 POUND DYNAMOMETER
IN THE R&D TEST LAB.

TEST RESULTS:

PRODUCTION SAMPLE #1 - 100 LBS. STRESS TILL CRACKED

#2 - 50 LBS. " " "

#3 - 100 LBS. " " "

#4 - 50 LBS. " " "

TEST SAMPLES - #1 - ALUM $1\frac{3}{16}$ LG RIVET, .8 SEC. 350 LBS. CRACKED

#2 - ALUM $1\frac{1}{2}$ LG RIVET, 1.8 SEC 200 LBS. "

#3 - STEEL $1\frac{1}{2}$ LG RIVET 2.5 SEC. 200 LBS. "

#4 - STEEL $1\frac{3}{16}$ LG RIVET 1.2 SEC. 250 LBS. "