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"CONFINE YOUR LETTER TO ONE SUBJECT ONLY" _____

RESEARCH TEST and MEASUREMENT REPORT - Report No. 822731

M/SEVEN LWT. .222 CALIBER STAMPED NO-BIND FOLLOWER vs. M/600 STAMPED
FOLLOWER COMPARISON TEST

Prepared by: J. Baggetta

Date Prepared: 1-24-83

Proofread and Cleared By:

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Foreman-Test Lab / Foreman-Measurement Lab

R.E. Nightingale
Signature

Date

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

C.E. Ritchie
Signature

2/1/83
Date

TEST & MEASUREMENT LAB REPORT

REPORT NUMBER: 822731

REPORT TITLE: M/Seven LWT. .222 Caliber Stamped No-Bind Follower vs.
M/600 Stamped Follower Comparison Test

MODEL(S): M/Seven LWT.

GAUGE OR CALIBER: .222

DATE: 9-30-82

WORK ORDER NO.: C-1856-000

PART NAME:

DESIGNER/ENGINEER: D. Bullis

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: _____
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: 75

TOTAL ROUNDS FIRED IN TEST: 750

AMMO TYPE: MAGS. _____; TARGET: _____

RIM FIRE _____ CENTER FIRE X

Two Followers Per Gun.

January 24, 1983

TO: R. E. NIGHTINGALE

FROM: J. BAGGETTA

REPORT TITLE: M/SEVEN LWT. .222 CALIBER STAMPED NO-BIND FOLLOWER vs.
M/600 STAMPED FOLLOWER COMPARISON TEST.

ABSTRACT

A request was received from D. Bullis, Current Firearms Design, to Field Function Test, 5 M/Seven LWT. .222 caliber with the Stamped No-Bind Follower vs. M/600 Stamped Follower.

SCOPE OF TEST

To evaluate the M/Seven LWT. .222 Caliber Stamped No-Bind Follower vs the M/600 Follower for feeding and ejection malfunctions.

TEST RESULTS

- 1.) Five (5) M/Seven LWT. .222 caliber were fired a total of 375 rounds (75 rounds each) experiencing a total of 45 malfunctions for an overall malfunction rate of 12.0%.
- 2.) Five (5) M/Seven LWT. .222 caliber with the M/600 Stamped Follower were fired a total of 375 rounds (75 rounds each) experiencing a total of 54 malfunctions for an overall malfunctions rate of 14.4%.

REPORT TEXT

- 1.) Five of the Stamped No-Bind Followers tested experienced a total of 45 malfunctions. For individual malfunction, see Appendix "A" Data Sheet No. 1.
- 2.) Four of the five M/600 Stamped Followers experienced 54 malfunctions. For individual malfunctions. See Appendix "A" Data Sheet No. 2.

TEST PROCEDURE

- 1.) Five (5) Stamped No-Bind Followers were assembled into the M/Seven LWT. .222 Caliber rifles, upon completion of this test, the 5 M/600 Stamped Followers were assembled into the M/Seven LWT. .222 caliber rifles.
- 2.) Field Function Test
 - The Field Function Test was run at the Ilion Fish & Game Club Rifle Range. Five men were used to fire the rifles, incorporating the round robin system. Each man took 15 rounds of each ammo. type and would fire 5 rounds each of Slow, Medium and Fast feed rate. The rifles were cooled every 15 rounds (able to hold barrel in hand). It was a one page Field Function Test.
- 3.) Ammunition
Ammunition used in the Field Function Test:
 - Remington - 50 gr. Pointed Soft Point
 - Remington - 50 gr. Hollow Point
 - Remington - 55 gr. Metal Case
 - Federal - 50 gr. Soft Point
 - Winchester - 50 gr. Pointed Soft Point
- 4.) Test Rifles
Rifles used in the Field Function Test:
 - M/Seven LWT. .222 Caliber
 - B6364423
 - B6364417
 - B6364418
 - B6364428
 - B6364421

" APPENDIX " A "

Data Sheets

FIELD CYCLE TEST - CENTERLINE

REF ID: A61121

PAGE NO

Dist. Sheet No. 1

DATE: 10-12-82

MODEL: 7 LWT

CAL
DATE: . 222

SERIAL NO. X

TEST TITLE: SUMMARY SHEETS PER - RIFLE - ~~ammo type~~ - ~~shooter~~

TTL. RID. FINED: 375

TH. MALFUNCTIONS: 45

12

NEW DESIGN "NO BIND" FOLLOWER

"MALFUNCTIONS"

[illegible]

**FIVE FOUR
FOUR**

MODEL: 7 L W / i

CAL.
EURE: .222

SERIAL NO. 4

TEST TITLE: SUMMARY SHEETS PER - RIFLE - ~~AMO~~ TYPE - SHOOTER

TTL. RXD. FINED: 375

TTL. MALFUNCTIONS: 34

MALFUNCTION RATE: $\frac{8}{14.4}$

STANDARD PRODUCTION STAMPED FOLLOWER "ALL FUNCTIONS"

[illegible]

BARBER - PRESALE RETAIL \$3456

22.6

18.6

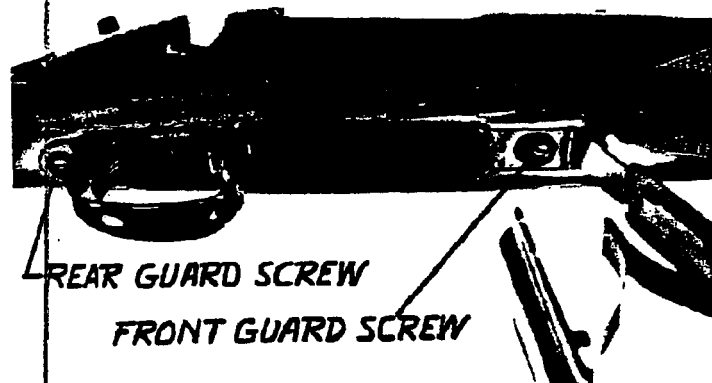
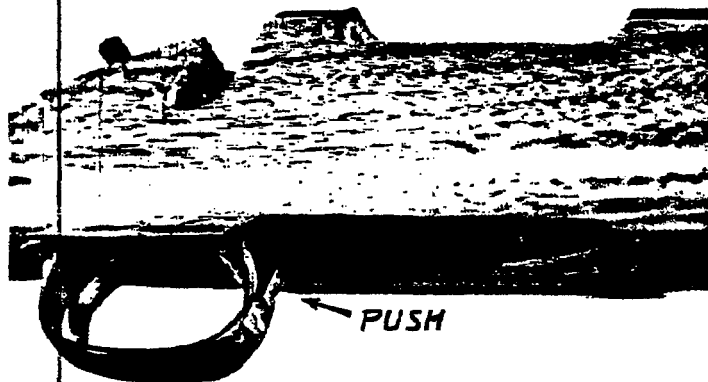
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16

**CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON**

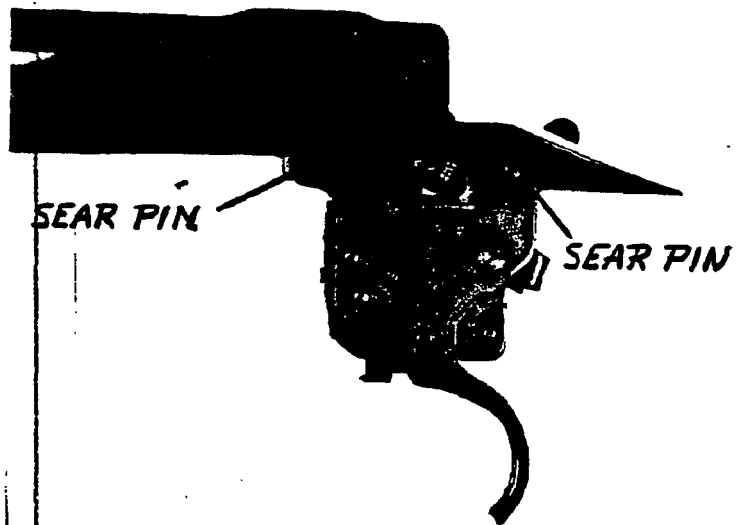
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BARBER - PRESALE R 0113156

PICTURE # 1



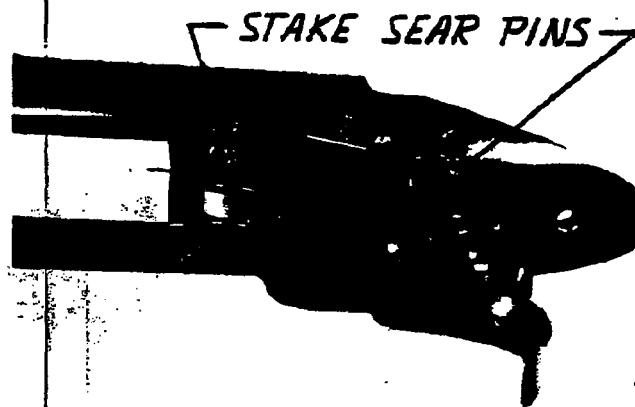
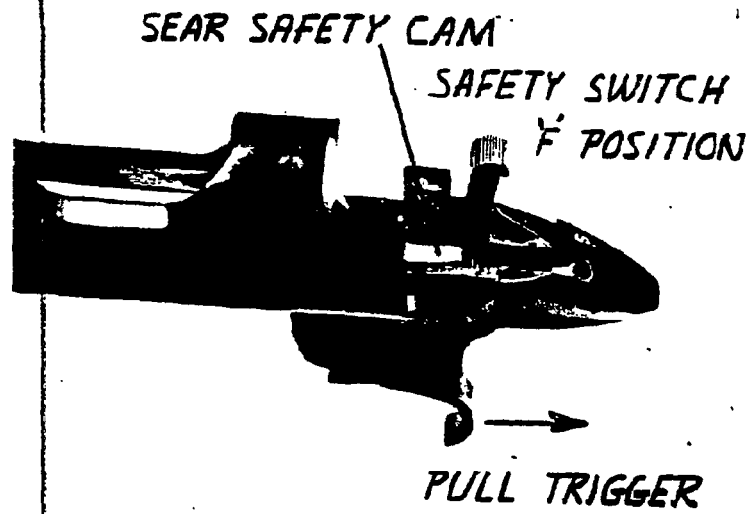
PICTURE # 2

PICTURE # 3



PICTURE # 4

PICTURE #5



PICTURE #6

PICTURE #7



- o Start magazine box into front of magazine opening in receiver.
- o Push rear of magazine box into magazine opening in receiver. Press box together while performing this operation.
- o Push box into magazine opening in receiver until it bottoms.