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INTER-DEPARTMENTAL CORRESPONDENCE

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"TEST RESULTS ONLY"

RESEARCH TEST and MEASUREMENT REPORT - Report No. 840371

M/700 CAL. 270 NEW DESIGN "INJECTED MOLDED
FOLLOWER" ENDURANCE EVALUATION

Prepared by: R. Williams

Date Prepared: 2-15-84

Proofread and Cleared By:

~~Foreman-Test Lab~~ / R.E. Nightingale,
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: 840371
REPORT TITLE: M/700 CAL. 270 NEW DESIGN "INJECTED MOLDED"
MODEL(S): 700 CLASSIC FOLLOWER" ENDURANCE EVALUATION
GAUGE OR CALIBER: 270
DATE: 2-15-'84
WORK ORDER NO.: F-1112-000
PART NAME: INJECTED FOLLOWER
DESIGNER/ENGINEER: J. A. LAWRENCE

TEST TYPE:

1. PHOTO LAB
2. STRENGTH TEST - NO. OF GUNS TESTED _____
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: 4

NO. OF ROUNDS PER GUN: 1,000

TOTAL ROUNDS FIRED IN TEST: 4,000

AMMO TYPE: MAGS: _____; TARGET: _____

RIM FIRE _____ CENTER FIRE X

FEB. 15, 1984

REPORT No. 840371

"TEST RESULTS ONLY"TO: J. A. LAWRENCEFROM: R. WILLIAMSREPORT TITLE: M/700 CAL. 270 NEW DESIGN "INJECTED MOLDED FOLLOWER" ENDURANCE EVALUATIONREASON FOR TEST

To determine the endurance life of the New Design Injected Molded Follower.

TEST PROCEDURE

A total of four injected molded followers were delivered to the Test Lab by J. A. Lawrence for an endurance test. The followers were assembled in four M/700 Classic Cal. 270win. rifles. Each rifle was shot a total of 1,000 rounds using Remington 100gr, 130gr, and 150gr. Cal. 270win. ammunition. The rifles were cooled after each 20 rounds. All shooting was done from shooting jacks in the R&D Test Lab. At the end of the test each follower was examined for wear and damage.

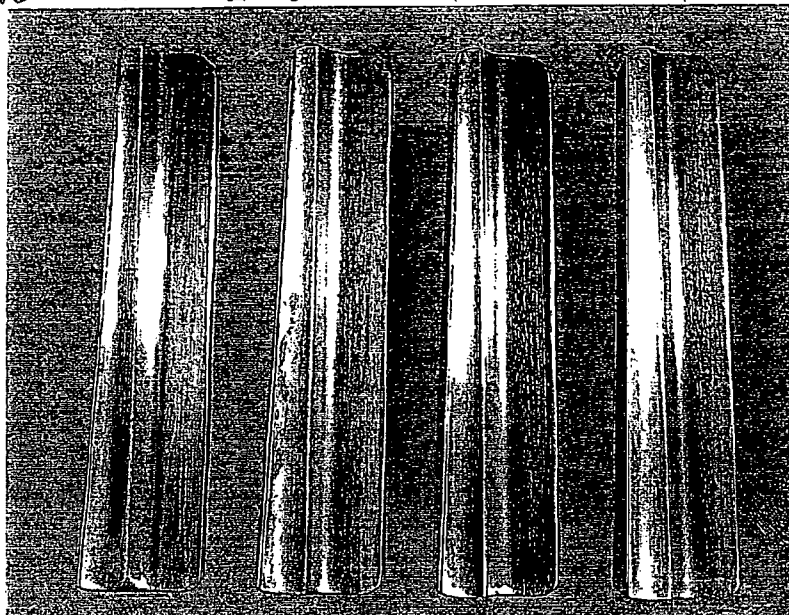
TEST RESULTS

The followers showed no excessive wear and no breakage. There were no malfunctions throughout the test.

FEB. 15, 1984

REPORT No. 840371

NEW DESIGN INJECTED MOLDED FOLLOWER



M/400 CLASSIC CAL. 270 WIN.

TOTAL OF 1,000 Rds. EACH

