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File

RIVETLESS EXTRACTOR TEST
SMALL CALIBER

SUBJECT: M/700 Small Caliber Rivetless Extractor Test Adverse
Condition - Rough Chambers and Proof Rounds

TEST

CONDUCTED BY: C.J. Sweet ←

PERIOD: February 14 - 18, 1980

INTRODUCTION:

Two (2) M/700 rifles with rivetless extractors were delivered to the Test Lab for evaluation (a 17 caliber and a 223 caliber). Both rifles have rough chambers so that the cartridges do not rotate when the bolt is locked or unlocked, but the chambers do permit extraction.

Each gun was subjected to: 100 proof rounds and
120 rounds of Remington factory
ammunition (after the proof rounds).

Both bolts contained rivetless extractors that have the detent arms set .020" under min. (They set loose in the bolt). There is no antirotation dimple in these bolts.

TEST OBJECTIVE:

To evaluate the Rivetless Extractor in the M/700 small caliber rifles.

CONCLUSION:

The rivetless extractors are acceptable in the small caliber M/700 bolts without the antirotation dimple. No failure occurred to the extractors during the adverse testing with the proof rounds.

TEST RESULTS:

M/700	-	17 Cal.	-	100 proof rounds	-	No failures - extractor is free to move.
M/700	-	223 Cal.	-	100 proof rounds	-	No failures - extractor is free to move.

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TEST RESULTS: (Continued)

Function test with Remington factory ammo:

- M/700 17 Cal. - No failures
- M/700 223 Cal. - No failures

PROCEDURE:

- The chambers of both rifles were roughed with a rat tail file.
- All proof rounds were fired by lanyard, cooling every 20 rounds.
- All factory rounds were fired in the jack cooling after every 20 rounds.

CJS:sse
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