

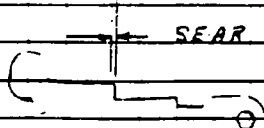
REMINGTON ARMS COMPANY, INC.
ENGINEERING DEPARTMENT **SECRET** COMPLETION SHEET

M700 PM SEAR TEST
DROP TEST SEAR DATA,
A.A.H.

SAMPLE NUMBER ONE				
SEAR NUMBER	TOTAL NUMBER OF DROP CYCLES	SEAR RADIUS AT CONNECTOR EDGE	SEAR COMPONENT WEIGHT & MEASUREMENT	HUE, TRIG. PULL @ BEGINNING AND END OF TEST
153959	30,000	.0045	9.3685 GRAMS 38.5 RC SCALE	5.10 - 5.10
139298	30,000	.0035	9.4080 gr 52 RC SCALE	5.20 - 5.15
139413	30,000	.0050	9.4200 gr 51.5 RC SCALE	3.90 - 3.80
139555	30,000	.0068	9.3880 52 RC SCALE	4.90 - 4.55
139312	30,000	.0029	9.4140 gr 51 RC SCALE	NOT TESTED
139457	30,000	.0053	9.4310 gr 54.5 RC SCALE	4.60 - 4.75

SAMPLE NUMBER TWO				
139298 BLW	00	.0005	9.5332 38.5 RC SCALE	5.55 - 4.95
139413	00	.0011	9.5000 45.0 RC SCALE	4.85 - 4.75

SEAR RADIUS AT CONNECTOR
MEASURED ON
OPTICAL COMPARATOR



TEST HEIGHT WAS TAKEN AT 45 INCHES.

CHRONOLOGICAL RECORD OF TESTING

MODEL & DESCRIPTION ~~700~~ ^{Powder Metal Seal with inserts} ~~()~~

CALIBER OF GAUGE .243

DATE 6-1-66 TEST M/700 seal drop test TESTER J. Hennings PAGE NO.

CARTRIDGES - 1 139298, 2 133959, 3 139555, 4 139457, 5 139413 - were used
with powder metal sealers

TEST - I - Trigger pulls & firing pin indents - (separate sheets)

TEST - II - (top side down) # 139457 on second drop rear sight broke

TEST - III - (bottom side down) # 139457 on first & second drops bolt jarred open

TEST - IV - no malfunctions noticed

TEST - V - (top side down) # 139457 on second drop rear sight came off
(bottom side down) # 139298 on second drop stock started to crack around trigger plate.

TEST - VI - (muzzle down) seals # 1, 2, 3, had a total of 7 drops in which safety was jarred to "ON" position.
(top side down) seals: # 1, 3, 4, 5 - had a total of 5 drops in which bolt was jarred open. (# 139298 on third drop safety jarred to "ON" position.)
(bottom side down) seals - # 1, 2, 3, 4 - had a total of 5 drops in which bolt jarred open. (# 139555 on first drop stock broke just behind trigger guard)

CHRONOLOGICAL RECORD OF TESTING

MODEL & DESCRIPTION 700 P.M. sear (LATEST P200 - same no.)

CALIBER or GAUGE .243

DATE 6-1-46 TEST P.M. sear drop test TESTER PAGE NO.

J. Hearnings

Barrels = 139298 + 139413 were used with new P.M. sears.

TEST - I - Trigger pulls & firing pin indents (separate sheets)

TEST - II - (butt down) - * 139298 - on first drop rear sight broke off

TEST III - (muzzle down) - * 139298 - on second drop bolt jarred open.

TEST - IV - No malfunctions noticed.

TEST - V - no malfunctions noticed.

TEST - VI - (butt down) both guns - a total of 4 drops in which safety was jarred open.
* 139298 on third drop bolt jarred open

NOTE! ON BOTH ACTIONS PIN HOLE WAS TIGHT CAUSING SEAR TO BIND-