

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT (0103) COMPUTATION SHEET

M600 Powder Metal SEAR
 CHROME PLATED Powder Metal SEAR
 DATA FOR DROP TESTING COMPILER A.H. DATE 6-9-66

SEAR NUMBER	TOTAL NUMBER OF DRY CYCLES	SEAR RADIUS AT CONNECTOR EDGE	SEAR COMPONENT WEIGHT & HARDNESS	AVE. TRIL. PULL AT BEGINNING AND END OF TEST
1	0	.0034	9.3900 gr. 48 RC SCALE	5.77 - 5.60
2	0	.0039	9.3705 gr. 51 RC SCALE	6.25 - 5.30
3	0	.0042	9.3655 gr. 53 RC SCALE	5.45 - 5.70
4	0	.0039	9.4176 gr. 51.5 RC SCALE	5.00 - 4.85
5	0	.004	9.4423 gr. 53 RC SCALE	5.50 - 5.05
6	0	.0005	9.5337 gr. 44.5 RC SCALE	5.50 - 5.50
7	0	.000	9.5182 gr. 46.5 RC SCALE	5.90 - 5.70
8	0	.0012	9.4955 gr. 45.0 RC SCALE	5.25 - 5.50



SEAR RADIUS AT CONNECTOR EDGE MEASURED
 ON THE OPTICAL COMPARATOR.

WAIST HIGH. IS TAKEN AS .45 INCHES.

REMINGTON ARMS COMPANY, INC.
ENGINEERING DEPARTMENT, 1917, COMPUTATION SHEET

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M 600 POWDER METAL S...
DRO P TEST RESULT WITH M600
PM SEAR TESTING AAH. DATE 6-14-66

[illegible]

VI JAR OFF TEST

A. DROP GUN "WAIST HIGH" ON SOLID WOOD SURFACE WITH SAFETY OFF

1. BUTT DOWN
2. MUZZLE DOWN
3. TOP SIDE DOWN
4. BOTTOM SIDE DOWN

B. TRIGGER SHALL BE TRIED AFTER EACH DROP TO DETERMINE WHETHER THE SAFETY HAS RELEASED ANY MECHANISM WHICH MAY ALLOW FIRING.

C. THREE DROPS PER POSITION.

"WAIST HIGH" IS TAKEN AS 45 INCHES.

CHRONOLOGICAL RECORD OF TESTING

MODEL & DESCRIPTION m/600 New P.M. saw.
 CALIBER or GAUGE 308 2 1/2" (LATEST - SHARP)
 DATE 6-3-66 TEST P.M. N. : Drop Test (re-test) TESTER J. Hennings. FACE NO.

Barrels - 1107 & 20374 were used placing different sears
 in these two barrels only (3 sears)

Test - I - Trigger pulls & firing pin indents (on sep. sheets)

Test - II - No malfunctions noticed

Test - III - (butt down) sear # 2 had a total of 3 drops in
 which the safety was jarred to the "ON" pos.

Test - IV - No malfunctions noticed

Test - V - (muzzle down) sears # 1, 2, 3 had a total of 7 drops in
 which the safety was jarred to the "OFF" pos.

Test - VI - (butt down) - sear # 1 - on all three drops the
 safety was jarred to the "ON" pos.

(muzzle down) - sear # 3: on second drop gun
 fired.

top-side down - sear # 2 on first drop gun fired.

CHRONOLOGICAL RECORD OF TESTING

MODEL & DESCRIPTION M/600 New P.M. sears.

CALIBER or GAUGE 308 (LARGE RAP. SEAR

DATE 6-2-66 TEST P.M. Low Drop Test

TESTER

PAGE NO.

J. Hennings.

Barrels * 1167 + 20341 were used placing different
sears in these two barrels only.

Test - I- Trigger pulls + firing pin indents (on sep. sheets)

Test - II- No malfunctions noticed

Test III- (^{muzzle}~~butt~~ down) - sears * 1+2 had a total of 5
drops in which safety jarred to "ON" position

Test - IV- No malfunctions noticed

Test - V- (butt down) - sears * 3,3,4,5 had a total of 13
drops in which safety jarred to "OFF" position

Test - VI- (muzzle down) - sears * 2,3,4 had a total of 9 drops
in which safety was jarred to "ON" position
(top side down) - sear * 2 - on third drop bolt
jarred open.
(bottom side down) - sear * 4 on second drop the
jam fired the firing pin.

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

CHRONOLOGICAL RECORD OF TESTING

MODEL & DESCRIPTION	m/600	std. near drop test				
CALIBER or GAUGE	308	PARENT PRODUCTION (2 piece)				
DATE	TEST	TESTER	PAGE NO.			
6-13-66	661.1 " 1167 & 20344	308 cal. m/600				
were dropped from various pos. with std. near in fire-control						
" 1167 all tests ok except Test V. muzzle-down						
waist high the safe jacked to "off" pos. on all 3 dr.						
" 20344 Tests I-IV. ok						
Test II - (butt down waist high) → safe jacked to "off" pos. on all 3 dr.						
Test III → (muzzle-down waist high) on 1 st drop gun fired						
Test VI → (bottom-side down waist high) - on 3 rd drop gun fired						
Test - VII → (butt down waist high) → safe jacked to "on" pos. on 3 rd dr.						