

REMINGTON ARMS COMPANY, INC.
 ENGINEERING DEPARTMENT COMPUTATION SHEET

SHEET 1

Remington Metal Bars - Oiled Locking Cam - Scale # 3					
M-400 Dry cycle Test 0 Col. 243 Wires 3/3/					
#	F.P. INDENT	TRIG. PULL	NOT BURRED	F.P. INDENT	TRIG. PULL
139457			139609		
1	.0175"	5-00	w/o BURR	.0175"	5-40
2	.0185"	6-8		.0175"	4-0
3	.018	5-12		.0175"	4-8
4	.018	6-4		.0175"	4-0
5	.018	6-4		.018	4-12
6	.0185"	6-8		.018	4-4
7	.0175"	6-0		.018	5-8
8	.0175"	6-4		.018	5-8
9	.018	6-12		.0185"	5-12
10	.0185"	6-4		.019	5-8
AVE .018		Ave 6.25		AVE .0179	Ave 4.90
13955			139312		
1	.0175"	5-8		.0175"	3-40
2	.018	6-0		.0175"	3-8
3	.018	6-0		.018	3-8
4	.018	6-0		.0185"	3-4
5	.0185"	7-0		.0185"	3-4
6	.0175"	6-8		.0185"	3-4
7	.018	6-8		.018	3-4
8	.018	6-4		.0185"	3-8
9	.018	7-4		.0185"	3-8
10	.0185"	7-0		.0185"	3-4
AVE .018		Ave 6.975		AVE .0182	Ave 3.35
39413			139298		
1	.017	5-8		.0185"	5-00
2	.017	7-0		.0185"	4-12
3	.0165"	6-8		.0185"	5-0
4	.018	6-0		.0185"	5-0
5	.0165"	6-0		.018	5-4
6	.016	5-8		.0185"	5-0
7	.017	5-12		.0185"	5-0
8	.0175"	5-12		.0185"	5-4
9	.0165"	5-8		.0185"	5-4
12	.017	5-8		.018	5-4
AVE .0169		Ave 6.00		AVE .0184	Ave 5.075

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT

COMPUTATION SHEET

SHEET NO 2

TITLE OF PROJ. POWDER METAL SCARS
 SUBJECT M-700 - DRY CYCLE TEST - (100 CYCLES)

PAGE NO. 43

WORKS 3-4-65

F.P. INDENT		TRIG FULL		F.P. INDENT		TRIG FULL	
139257	.018"	5"-8 1/2		139609	.0185"	5-8	
139257	.0185"	5-12		139609	.0185"	5-4 1/2	
	.0185"	5-8			.0185"	5-8	
	.0185"	5-12			.018"	5-8	
	.017"	6-0			.0185"	5-8	
	.018"	5-12			.019"	5-12	
	.018"	5-12			.018"	5-12	
	.018"	6-8			.0185"	5-4	
	.018"	6-4			.019"	6-4	
	.0185"	5-8			.019"	6-0	
AVE .0181		Ave 5.825		AVE .0185		Ave 5.625	
139555	.018"	5-12 1/2		139312	.0195"	4-0	
	.0195"	5-12			.0195"	3-4	
	.0185"	5-8			.0195"	3-0	
	.018"	5-12			.019"	3-4	
	.019"	6-0			.019"	3-0	
	.019"	6-8			.018"	3-0	
	.0185"	7-0			.019"	3-0	
	.018"	6-12			.018"	3-4	
	.018"	6-4			.0175"	3-0	
	.019"	6-8			.018"	3-0	
AVE .0185		Ave 6.175		AVE .0185		Ave 3.175	
139413	.018"	6-8 1/2		139298	.017"	5-8 1/2	
	.018"	6-0			.0185"	5-8	
	.018"	6-4			.017"	5-8	
	.0175"	6-0			.018"	5-8	
	.0175"	5-12			.019"	5-12	
	.0175"	6-0			.0185"	5-8	
	.018"	6-4			.019"	5-12	
	.0175"	6-0			.018"	5-8	
	.018"	6-0			.0185"	5-12	
	.017"	5-12			.019"	5-12	
AVE .0177		Ave 6.05		AVE .0182		Ave 5.60	

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT

COMPUTATION SHEET

SHEET NO.

3

TITLE OF PROJ. Powder Metal Bars

SUBJECT M-700-DRY Cycle Test - (200 CYCLES)

REV. NO. Scale "3

WORKS

F.P. INDENT		TRIG - Pull	F.P. INDENT		TRIG - Pull
139457	.018 "	5-12 ³	139609	.0175 "	5-12 ³
W/BURR	.019 "	5-4	W/BURR	.018 "	6-0
	.018 "	5-4		.0185 "	7-0 [✓]
	.0185 "	5-8		.019 "	6-12
	.0185 "	5-8		.019 "	6-8
	.0185 "	5-12		.019 "	6-4
	.018 "	6-0		.0195 "	6-8
	.0175 "	5-4		.0175 "	6-12
	.0175 "	5-4 [✓]		.019 "	6-4
	.0175 "	6-0 [✓]		.019 "	6-8
Ave .0181		Ave 5.55	Ave .0186		Ave 6.425
139555	.018 "	7-0	139312	.019 "	3-0
	.0185 "	6-12		.0175 "	3-0
	.018 "	7-4 [✓]		.0185 "	3-0
	.019 "	6-8		.018 "	3-0 [✓]
	.018 "	6-12		.018 "	3-4 [✓]
	.019 "	6-8		.018 "	3-0
	.019 "	6-12		.018 "	3-0
	.019 "	6-4 [✓]		.019 "	3-0
	.019 "	6-8		.018 "	3-4
	.0185 "	6-12		.0175 "	3-0
Ave .0186		Ave 6.70	Ave .01815		Ave 3.05
139413	.0175 "	6-12	139298	.019 "	7-12 ³
	.0175 "	6-8		.018 "	7-8
	.017 "	6-4		.018 "	7-0
	.017 "	7-8 [✓]		.019 "	6-12 [✓]
	.018 "	6-8		.018 "	7-0
	.0175 "	5-12 [✓]		.019 "	7-8
	.018 "	7-0		.0185 "	8-4 [✓]
	.017 "	6-4		.0195 "	8-0
	.0175 "	6-8		.017 "	8-0
	.018 "	6-6		.0185 "	7-8
Ave .0175		Ave 6.55	Ave .01845		Ave 7.525

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT COMPUTATION SHEET

SHEET NO. 4

TITLE OF PROJ. Powder Metal Leans

PAGE NO. 2 of 3

SUBJECT: M-700 - Dry cycle test (300 Cycles)

DATE: 3-5-65

F.P. INDENT	TRIS	PULL	F.P. INDENT	TRIS	PULL
39457	.0185"	5-0	39609	.019"	5-8.9
W/BURR	.019"	4-12 ✓	W/BURR	.0175"	5-8 ✓
	.018"	5-0		.018"	6-0
	.019"	5-4		.0185"	5-8
	.0185"	5-4		.0185"	6-0
	.019"	5-8 ✓		.019"	5-12
	.0185"	5-0		.0185"	6-4
	.019"	5-4		.0185"	6-0
	.019"	5-0		.018"	6-4
	.018"	5-4		.019"	6-8 ✓
Ave. .01865	Ave. 5.125		Ave. .01845	Ave. 5.925	
39535	.019"	5-12.2	39312	.019"	3-0
	.018"	5-8		.019"	3-0
	.0185"	5-8 ✓		.0185"	3-4
	.019"	5-8		.0195"	3-4
	.0185"	5-12		.018"	3-4
	.019"	6-4		.0175"	3-0
	.0185"	6-4		.0195"	3-4
	.019"	6-8 ✓		.0185"	3-0
	.018"	6-8		.018"	3-0 ✓
	.0185"	6-8		.0185"	3-4 ✓
Ave. .0186	Ave. 6.00		Ave. .01860	Ave. 3.125	
39413	.017"	6-4.9	39295	.0195"	7-0 ✓
	.0175"	6-0		.0195"	7-0
	.0175"	6-0		.0185"	6-12
	.0175"	5-8 ✓		.0185"	6-4
	.018"	6-4 ✓		.0195"	6-8
	.018"	5-12		.0185"	6-8
	.017"	5-12		.019"	6-12
	.017"	5-8		.019"	6-4
	.017"	6-0		.018"	6-0 ✓
	.018"	5-12		.019"	6-4
Ave. .01745	Ave. 5.875		Ave. .01890	Ave. 6.525	

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT

COMPUTATION SHEET

SHEET NO. 5

TITLE OF PROJ. Powder Metal Seals

SUBJECT 7m-700 - Dry Cycle Test 400 Cycles

DATE 3-5-65

WORKSHEET 3-5-65

F.P. INCHES		TRIP PULL		F.P. INCHES		TRIP PULL	
39457	.0195"	5-5		139609	.0185"	5-12	
	.0195"	6-4			.0195"	6-0	
	.0195"	5-12			.018"	6-0	
	.0195"	5-0			.019"	6-0	
	.019"	5-0			.0185"	6-4	
	.0195"	5-8			.0185"	6-8	
	.0185"	5-8			.019"	6-0	
	.019"	5-0			.019"	8-0	
	.0185"	6-0			.0185"	7-12	
	.018"	5-8			.0195"	6-4	
Ave. .01905		Ave. 5.5		Ave. .01875		Ave. 6.45	
39535	.019"	7-8		139312	.019"	3-4	
	.018"	6-8			.018"	3-0	
	.0195"	7-0			.018"	3-0	
	.019"	7-4			.019"	3-4	
	.0195"	8-0			.019"	3-0	
	.019"	6-12			.018"	3-0	
	.019"	7-0			.019"	3-0	
	.0185"	7-0			.0185"	3-0	
	.018"	7-8			.019"	3-4	
	.018"	6-8			.019"	3-0	
Ave. .01875		Ave. 7.1		Ave. .01865		Ave. 3.075	
39413	.017"	6-0		139295	.0175"	6-4	
	.018"	6-4			.0185"	6-4	
	.017"	6-4			.0190"	7-4	
	.0175"	6-8			.0180"	6-12	
	.018"	6-0			.0185"	6-8	
	.0185"	6-0			.016"	6-8	
	.018"	6-4			.018"	7-0	
	.0185"	6-0			.0185"	6-8	
	.0185"	6-4			.0175"	6-12	
	.0175"	6-4			.018"	6-0	
Ave. .01785		Ave. 6.175		Ave. .01795		Ave. 6.575	

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT COMPUTATION SHEET

6

TITLE OF PROJ. *Powder Metal Iron*
 SUBJECT *m-700 - Dry Cycle test*

Scale $\frac{1}{2}$ "

WORKS

F.P. INDENT	TRIG. PULL	F.P. INDENT	TRIG. PULL
39457	.018 " 5-8	139609	.018 " 6-8
	.019 " 5-0		.019 " 6-0
	.019 " 5-4		.0195 " 6-12
	.0185 " 5-8		.0195 " 6-0 ✓
	.019 " 5-8		.0195 " 6-12
	.0195 " 5-4		.0185 " 7-8
	.0185 " 5-0		.018 " 7-8 ✓
	.0185 " 5-4		.0195 " 6-8
	.019 " 5-8 ✓		.0195 " 6-12
	.0195 " 6-0 ✓		.0185 " 7-8
Ave. .01885 Ave. 5.275		Ave. .01895 Ave. 6.775	
39535	.0185 " 5-12 ✓	139312	.0185 " 3-8
	.017 " 7-0		.018 " 3-4
	.019 " 6-12		.0175 " 3-8
	.019 " 7-0		.018 " 3-8
	.019 " 6-12		.0175 " 3-4
	.020 " 6-0		.018 " 3-8
	.019 " 7-8 ✓		.018 " 3-4
	.019 " 6-8		.018 " 3-8 ✓
	.0185 " 7-4		.018 " 3-8
	.0195 " 6-4		.019 " 3-0 ✓
Ave. .01885 Ave. 6.675		Ave. .01805 Ave. 3.375	
39413	.018 " 6-12	139298	.0195 " 6-8 ✓
	.0165 " 6-4		.0185 " 7-4
	.0185 " 6-0		.018 " 7-0
	.017 " 6-12 ✓		.0185 " 6-8
	.017 " 6-8		.0185 " 6-8
	.018 " 5-12		.0185 " 7-8 ✓
	.0185 " 5-12		.0195 " 7-8
	.018 " 6-0		.0195 " 6-8
	.0175 " 5-8 ✓		.0185 " 7-0
	.0165 " 6-8		.0185 " 7-8
Ave. .01755 Ave. 6.175		Ave. .01875 Ave. 6.975	

REMINGTON ARMS COMPANY, INC.
ENGINEERING DEPARTMENT COMPUTATION SHEET

7

TITLE OF PULL *Powder Metal Lens*
SUBJECT *M-700 - 2436 Dry cycles Test 1000 Cycles*

FIG. NO.

WORKS

3-8-15-

F.P. INCHES		TRIP PULL		F.P. INCHES		TRIP PULL	
39457	.0185"	5-8	✓	139609	.0185"	6-8	✓
1/BWR	.019"	5-8		W/O BURR	.018"	6-8	
	.0185"	5-8			.019"	6-12	
	.020"	5-12			.0185"	6-8	
	.0195"	6-0	✓		.0185"	7-8	
	.0205"	5-8			.0195"	7-12	✓
	.019"	6-0			.0185"	7-0	
	.019"	5-4	✓		.0185"	6-12	
	.019"	5-4			.019"	7-4	
	.020"	5-8			.019"	6-8	✓
Ave. .0193		Ave. 5.575		Ave. .01870		Ave. 6.90	
39555	.019"	7-8	✓	139312	.017"	3-4	
	.0195"	6-12	✓		.019"	3-4	✓
	.019"	7-4			.0185"	3-0	
	.0185"	6-12			.0185"	3-0	
	.018"	6-12			.018"	3-0	
	.0195"	6-12			.0185"	3-0	
	.019"	7-4			.018"	3-4	
	.019"	7-12	✓		.018"	3-0	✓
	.0185"	7-0			.019"	3-4	
	.019"	6-12			.019"	3-4	
Ave. .0188		Ave 7.05		.01835		Ave. 3.1250	
39413	.018"	6-0	✓	139298	.0195"	7-0	✓
	.018"	5-4	✓		.019"	7-0	
	.018"	6-0			.018"	6-8	✓
	.0185"	6-0			.0195"	6-12	
	.0175"	5-8			.0195"	6-8	
	.0175"	5-4			.0195"	6-12	
	.0175"	5-4			.0185"	6-12	
	.0185"	5-12			.019"	7-4	
	.018"	5-12			.0195"	7-12	
	.018"	5-8			.0195"	8-8	✓
Ave. .01795		Ave. 5.625		.01915		Ave. 7.075	

REMINGTON ARMS COMPANY, INC.
ENGINEERING DEPARTMENT COMPUTATION SHEET

SHEET NO. 5

TITLE OF PROJ.

Powder Metal Gear test

SUBJECT

7-700 - 24366 Dry Cycle 1500

WORK NO.

WORKS

DATE 3-8-65

TS

	F.P. INDENT	TRIG. PULL		F.P. INDENT	TRIG. PULL	
39457	.0195"	5-12 1/2 ✓	135609	.019"	7-4	
See	.019"	5-8	1/2 BURR	.0195"	6-12 ✓	
1/2 BURR	.019"	5-4		.019"	6-8	
	.019"	5-4		.0195"	6-0	
	.0195"	5-0 ✓		.0195"	5-12 ✓	
	.0195"	5-4		.0185"	6-4	
	.019"	5-0		.0185"	6-8	
	.019"	5-0		.0185"	6-8	
	.018"	5-8		.018"	8-0 ✓	
	.020"	5-4		.019"	6-8	
Ave.	.01915	Ave. 5.275	Ave.	.0189	Ave. 6.6	
39555	.030"	8-4 ✓	139312	.019"	3-8 ✓	
	.0185"	7-0		.019"	3-8	
	.0185"	7-8		.0185"	3-8	
	.019"	7-8		.0185"	3-4	
	.0185"	8-0		.018"	3-4	
	.018"	7-8		.019"	3-4 ✓	
	.0185"	7-4		.018"	3-8	
	.0195"	7-8		.0175"	3-4	
	.019"	7-12 ✓		.0185"	3-4	
	.0195"	7-8		.019"	3-4	
Ave.	.0189	Ave. 7.575	Ave.	.0185	Ave. 3.35	
9403	.0175"	6-4 ✓	139299	.019"	5-4	Inspected by
	.0185"	5-12 ✓		.018"	5-4	Paul Angah
	.0175"	6-0		.018"	5-0 ✓	E. Brown
	.0185"	6-0		.0175"	5-4	HY TRIG
	.018"	6-4		.0185"	5-8	10" core
	.018"	6-0		.0185"	5-4	-No. 1000
	.0175"	5-12 ✓		.018"	5-0	on line
	.019"	6-4		.0185"	5-8 ✓	cleaned
	.0185"	6-4		.019"	5-4	OK
	.0185"	6-4		.019"	5-8	
Ave.	.01815	Ave. 6.075	Ave.	.0184	Ave. 5.275	

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT COMPUTATION SHEET

SHEET NO.

9

TITLE OF PROJ: Powder metal shear test
 SUBJECT: M-700 - 243 Cal. Dry Cycles

PROJ. NO.

WORKING

--- E.P. INDENT TRIG. FULL 2000 E.P. INDENT DATE TRIG. FULL

139457

v/BORR

1	.0185"	5-408
2	.0195"	5-8
3	.020"	5-0
4	.0195"	5-4
5	.0185"	5-4

Ave. .0192 Ave. 5.25

139609

W/B BORR

	.0185"	7-408
	.019"	8-4
	.019"	7-12
	.0195"	7-12
	.0195"	7-12

Ave. .0191 Ave. 7.55

139585

	.018"	7-12
	.019"	8-12
	.0185"	8-4
	.019"	7-12
	.0185"	7-4

Ave. .0186 Ave. 7.95

139312

	.0185"	3-808
	.018"	3-8
	.018"	3-12
	.019"	3-8
	.0185"	3-12

Ave. .0184 Ave. 3.60

139413

	.0175"	6-6
	.0175"	6-4
	.0175"	6-8
	.018"	6-0
	.0175"	7-0

Ave. .0176 Ave. 6.35

139298

	.019"	8-0
	.020"	8-12
	.0195"	6-4
	.0185"	7-0
	.0185"	6-12

Ave. .0191 Ave. 7.35

REMINGTON ARMS COMPANY, INC.
ENGINEERING DEPARTMENT COMPUTATION SHEET

10

TITLE OF PROJECT

Powder metal lean

P.C. NO.

SUBJECT M-700 - 243 Cal

(2,500) Cycle

DATE 3-9-65

F.P. INDENT

TRIG PULL

F.P. INDENT

TRIG PULL

39457

1/BURR

.020 " 4-12
.019 " 5-4
.0195 " 5-8
.020 " 5-8
.020 " 5-8

Avg .0197" 5.3025

139609

1/4 BURR

.019 " 8-1
.0195 " 8-8
.0185 " 9-8
.018 " 9-4
.0185 " 9-4

.0187" 8.92

39455

.019 " 7-80
.0195 " 7-4
.0195 " 7-12
.019 " 7-12
.019 " 7-12

.0192" 7.60

139312

.0185 " 4-4
.019 " 4-8
.019 " 4-8
.018 " 4-4
.0185 " 4-8

.0186" 9.48

39413

.0165 " 8-0
.019 " 7-0
.018 " 7-4
.019 " 7-4
.0185 " 7-8

.0182" 7.9

139298

.019 " 8-0
.0175 " 7-8
.018 " 8-12
.019 " 7-12
.019 " 7-12

.0195" 7.95

REMINGTON ARMS COMPANY, INC.
ENGINEERING DEPARTMENT COMPUTATION SHEET

TITLE OF PROJ.

SUBJECT

F.P. INDENT

TRIG Pull

PROJ. NO.

WORKS

DATE 3-10-65

F.P. INDENT

TRIG Pull

39457

1/BUER

.020" 5-4⁸
.0195" 5-8
.0195" 5-8
.0195" 5-8
.020" 5-8

.0197" 5.95

139609

W/O BUER

.019" 4-12⁸
.0195" 6-0
.0185" 8-0
.0195" 7-8
.019" 8-4

.0191" 6.90

39555

.0195" 6-12⁸
.019" 7-0
.0195" 6-8
.019" 6-8
.019" 7-0

.0192" 6.75

139312

.0195" 4-4⁸
.018" 4-0
.019" 4-0
.0175" 4-4⁸
.019" 4-4⁸

.0186" 9.15

39413

.0195" 7-0
.019" 6-0
.018" 6-4⁸
.019" 6-4⁸
.018" 6-8

.0187" 6.90

139398

.019" 9-0
.0185" 9-4⁸
.019" 8-0
.019" 9-8
.0185" 8-4⁸

.0188" 8.8

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT

GUPENT

COMPUTATION SHEET

SHEET NO 12

TITLE OF PROJ. Powder Metal Seals
SUBJECT M-700 - 2+3 Cal - Dry cycle test

PROJ NO

WORKS

E.P. INCIDENT + TRIS PULL 4000 E.P. INCIDENT 3-11-65 TRIS PULL 19

139457 .0195" 5-12
 1/8mm .020" 5-12
 .020" 5-8
 .0205" 5-12
 .0195" 6-0

AVG .0199" 5.75

13933 .0185" 6-8
 1/8mm .0185" 6-8
 .0185" 6-8
 .0185" 6-4
 .019" 6-12

.0186" 6.8

39413 .017" 6-4
 1/8mm .0175" 6-0
 .017" 6-0
 .0175" 6-8
 .0175" 6-4

.0173" 6.31

139609 .0185" 7-4
 1/8mm .0185" 8-0
 .019" 7-8
 .019" 6-0
 .018" 5-8

.0186" 7.00

13931 .0185" 4-8
 .019" 4-8
 .0175" 4-8
 .018" 4-4
 .018" 4-4

.0184" 4.62

13929 .0185" 6-8
 .018" 7-8
 .018" 6-12
 .0185" 8-0
 .0195" 6-8

.0185" 7.31

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT **SECRET** COMPUTATION SHEET

SHEET NO 13

TITLE OF PROJ Powder Metal Gears
SUBJECT M-700 - 24361 Dry Cycle
5000

PROJ NO

WORKS

DATE 3-11-65

F.P. INDENT			TRIS Pull	F.P. INDENT			TRIS Pull
139457	.0195"	6.0		139609	.0185"	5.0	
1/2 Burr	.020"	6.4		1/2 Burr	.0185"	5.8	
	.019"	6.4			.0195"	6.4	
	.0195"	6.0			.018"	6.0	
	.020"	6.4			.019"	6.4	
	.0196"	6.31			.0187"	5.91	
139555	.019"	7.4		139312	.0175"	6.0	
	.0195"	7.0			.016"	5.4	
	.0185"	7.0			.0185"	5.8	
	.018"	7.4			.017"	5.4	
	.0185"	7.8			.018"	5.8	
	.0187"	7.31			.0174"	5.64	
39 413	.0175"	6.12		139296	.0185"	6.0	
	.018"	6.4			.018"	6.8	
	.019"	6.4			.0185"	7.0	
	.018"	6.6			.0185"	7.0	
	.0185"	6.4			.018"	7.12	
	.0182"	6.44			.0183"	7.0	

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT **COMPUTATION SHEET**

SHEET NO

14

EOP PROJ

at 5000 Dry Cycles
SUBJECT: Sear (P.M.) Inspected by Paul Hugel

PROJ NO

WORKS

DATE 3-16-65

139413 - P.M. Sear - Contact with Connector
approx 1/3 of surface - (no wear)

139609 1/2 contact OK. (no wear)
Creep in Trigger - too much engagement

139298 1/2 contact OK. (no wear)

139555 Full contact OK. (no wear)

139312 Small chip out of rear (surface contacting
connector -
1/2 contact Base on back of firing pin ^{head} contact
area - possibly from firing operations
(no wear)

139457 - 1/2 contact - (no wear)

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT

CURRENT

COMPUTATION SHEET

SHEET NO

15

TITLE OF PROJ. Powder Metal Lever Inspected by Paul Grogan 3-16-65
 SUBJECT M-700 .243 Cal (Dry Cycle Test) Sheet # 14 Info

F.P. INDENT		TRIG PULL	F.P. INDENT		TRIG PULL
139457			139609		
1/2 Burr	.0195"	6.00	1/2 Burr	.019 "	5.50
	.0195"	6.50		.0185 "	4.50
	.019 "	6.00		.0185 "	5.50
	.0195 "	5.50		.0185 "	6.50
	.0195 "	5.75		.019 "	4.50
	.0194 "	5.95		.0187 "	5.30
139555	.0185 "	7.25	139212	.018 "	3.00
	.0185 "	6.75		.018 "	3.00
	.0185 "	6.25		.0185 "	3.00
	.019 "	6.25		.019 " 1	3.25
	.0185 "	7.25		.018 "	3.00
	.0186 "	6.75		.018 "	3.25
				.0185 "	3.00
				.0185 "	3.00
				.0185 "	3.00
				.019 " 1	3.00
				.0184 "	3.05
139413	.019 "	7.25	139298	.0185 "	5.50
	.0185 "	7.25		.0185 "	6.00
	.0185 "	6.25		.0185 "	5.50
	.0185 "	6.25		.019 "	5.50
	.0185 "	6.00		.0185 "	5.50
	.0186 "	6.60		.0186 "	5.60

3-17-65

Metal Sear - at 5,000 Dry Cycles - m-700-243 et

L. Hogol -

Disassembled to fire Controls

Inspected Powder Metal Sear and
Assemb same

Info on Sheet #14

Firing Pin Incident also taken after inspection - sheet #15

on firing Pin Incident

Changed Technique -

Rubbing the copper crushers on hard surface
to take off burrs

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT

COMPUTATION SHEET

SHEET NO

16

TITLE OF PROJ

SUBJECT

Powder Metal Leas
M/700.243 Cal Win
6080
Any cycle test

PROJECT NO

WORKS

DATE

19

139457 W/BURR		139609 W/O BURR	
F.P. INDENT	TRIG PULL	F.P. INDENT	TRIG PULL
.020 "	6.50	.0195 "	8.25
.0205 "	6.25	.020 "	8.25
.020 "	6.25	.0195 "	8.00
.020 "	6.50	.020 "	8.50
.0205 "	6.25	.0195 "	7.25
.0202 "	6.35	.0197 "	8.05
139555 W/BURR		139312 W/O BURR	
F.P. INDENT	TRIG PULL	F.P. INDENT	TRIG PULL
.019 "	6.00	.019 "	4.50
.019 "	6.00	.0195 "	4.25
.019 "	6.25	.0195 "	4.75
.0185 "	6.25	.019 "	4.75
.019 "	6.00	.019 "	4.50
AVG .0189 "	6.10	.0192 "	4.55
139413 W/BURR		139298 W/O BURR	
F.P. INDENT	TRIG PULL	F.P. INDENT	TRIG PULL
.018 "	7.50	.019 "	7.25
.0185 "	7.50	.019 "	6.75
.0185 "	7.50	.019 "	7.75
.0185 "	8.00	.019 "	7.00
.018 "	7.75	.0185 "	7.75
.0183 "	7.65	.0189 "	7.30

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT

COMPUTATION SHEET

SHEET NO

17

TITLE OF PROJ Powder Metal Leans

PROJ NO

SUBJECT M/700 243 Cal Win

WORKS

Ring Cycles 7000

DATE

19

139457 W/BURR	TRIG Pull	139609 W/O BURR am 4.5	TRIG Pull
F.P. INDENT		F.P. INDENT	
.0195"	6.25	.019"	9.25
.019"	7.75	.019"	8.50
.0195"	7.00	.019"	8.50
.019"	6.50	.019"	8.00
.0195"	6.50	.0185"	8.25
.0193"	6.80	.0189"	8.50
139555 W/BURR	TRIG Pull	139312 W/O BURR	TRIG Pull
.0175"	7.00	F.P. INDENT	
.018"	6.75	.0185"	4.25
.018	6.75	.0185"	4.50
.0175"	7.25	.0185"	5.00
.018"	7.50	.019"	4.50
.0178"	9.05	.0185"	4.50
		.0186"	4.55
139413 W/BURR	TRIG Pull	139298 W/O BURR	TRIG Pull
.0185"	8.00	.019"	10.00
.018"	8.25	.019"	10.00
.0185"	8.25	.019"	9.50
.0185"	9.00	.019"	9.75
.018"	7.25	.019"	9.25
.0183"	8.15	.019"	9.70

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT



COMPUTATION SHEET

SHEET NO

18

TITLE OF PROJ. Dry Cycle

PAGE NO

SUBJECT A700 Powder metal scene

WORKS

COMPUTER

DATE March 18

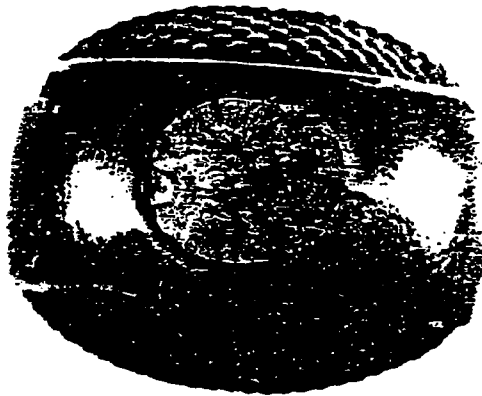
1965

GUN # 139312

At 6,527 dry cycle this gun would not fire. The gun was brought to Paul Hodel who inspected it. With his finger he wiped off the locking cam and the gun then operated all right.

At 6,844 dry cycle the knob of the bolt handle broke off. After C.B. Walsburn & C.H. Brown looked at the bolt it was determined that the handle was cracked before the test was started because the coloring had seeped in where it was cracked.

new Bolt 3/19/65 L. Angel



REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT

COMPUTATION SHEET

SHEET NO 19

TITLE OF PROJ. Powder Metal Leans - Dry Cycle test

SUBJECT M-700 - .243 Cal Win

PROJECT NO.

WORKS

Dry Cycles - 8000

DATE 2-15

1945

139457 W/BURR		139609 W/O BURR	
F.P. INDENT	TRIG PULL	F.P. INDENT	TRIG PULL
.0195"	5.50	.019"	8.75
.020"	7.00	.019"	8.25
.020"	6.75	.019"	9.00
.0195"	6.75	.019"	9.00
.020"	6.75	.0195"	8.25
Ave .0198"	6.55	.0191	8.65
139555 W/BURR		139312 W/O BURR	
F.P. INDENT	TRIG PULL	F.P. INDENT	TRIG PULL
.019"	5.75	.0185"	7.50
.019"	6.75	.0185"	8.75
.0195"	7.25	.018 Aut Temp.	9.75
.0195"	7.50	.0185"	9.25
.019"	7.25	.018"	7.50
.0192"	6.84	.0181"	8.35
139413 W/BURR		139298 W/O BURR	
F.P. INDENT	TRIG PULL	F.P. INDENT	TRIG PULL
.0185"	8.00	.019"	8.00
.019"	8.00	.019"	6.50
.019"	9.00	.019"	7.00
.019"	9.25	.0185"	8.00
.019"	9.50	.0185"	6.50
.0189"	8.75	.0188"	7.20
		Cooking Cam - Honed down by D. W.	
		before the above was taken	

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT

COMPUTATION SHEET

SHEET NO

20

TITLE OF PROJ

Powder metal lears

ORDR NO

SUBJECT

M-700 - 243 Cal Wm
Long cycle test 9000

WORKS

DATE

19

139457 W/Burr			139609 W/O Burr		
New Holder - F.P. INDENT ^{off} Holder			F.P. INDENT		
TRIG Pull			TRIG Pull		
1- .019 "	2- .019 "	6.25			
3- .0205 "	4- .0195 "	6.50		.0185 "	9.00
5- .020 "	6- .0195 "	6.25		.019 "	9.00
7- .021 "	8- .0195 "	6.25		.019 "	8.50
9- .020 "	10- .019 "	6.00		.0185 "	8.00
				.0185 "	9.00
.0201	.0193 "	6.25	new	.0187 "	8.70
139535 W/Burr			139312 W/O Burr		
F.P.			F.P. INDENT		
TRIG Pull			TRIG Pull		
.019 "		8.50		.018 "	9.75
.019 "		7.75		.018 "	9.75
.019 "		7.50		.0185 "	10.00
.0185 "		8.25		.0185 "	9.75
.0185 "		8.25		.018 "	10.00
.0188 "		8.05		.0182 "	9.85
139413 W/Burr			139298 W/O Burr		
F.P.			F.P.		
TRIG Pull			TRIG Pull		
.0185 "		8.50		.018 "	5.50
.018 "		8.50		.0185 "	5.50
.0185 "		8.75		.018 "	6.50
.0185 "		8.50		.0185 "	6.00
.019 "		8.75		.018 "	6.25
.0185 "		8.60		.0182 "	5.95

DON'T SAY IT - WRITE IT From Sheet # 20

to _____
FROM Kalder

New .308 old gun # 139457 Tray Pull

1-.019 "

2-.019 "

3-.0205 "

4-.0195 "

5-.020 "

6-.0195 "

7-.021 "

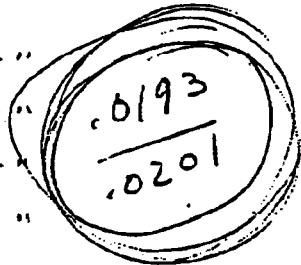
8-.0195 "

9-.020 "

10-.019 "

5 | 1005
 .0201

5 | 0985
 .0193



6.25

6.50

6.25

6.25

6.00

6.25

6.25

6.50

6.25

6.25

TO BE SAFE, FIRST THINK YOU MIGHT NOT BE

REMINGTON ARMS COMPANY, INC.)

ENGINEERING DEPARTMENT  COMPUTATION SHEET

SHEET NO 21

TITLE OF PROJ Powder Metal Levers
 SUBJECT M-700 - 243 Cal
 Dry Cycle test 10,000

PAGE NO

WORKS

DATE

19

139457 W/Burn		139609 W/O Burn	
F.P. Indent	trig Pull	F.P. Indent	trig Pull
.019 "	7.50	.019 "	7.25
.019 "	6.50	.019 "	6.75
.019 "	6.75	.019 "	6.75
.019 "	6.75	.0185 "	6.25
.019 "	6.25	.0185 "	6.00
.019 "	6.75	.0188 "	6.60
139535 W/Burn		139312 W/O Burn	
F.P. Indent	trig Pull	F.P. Indent	trig Pull
.0185 "	7.50	.0185 "	6.00
.019 "	7.25	.0185 "	6.75
.019 "	7.25	.019 "	7.00
.0185 "	7.00	.019 "	6.75
.0185 "	7.00	.0185 "	6.75
.0187 "	7.20	.0187 "	6.65
139413 W/Burn		139298 W/O Burn	
F.P. Indent	trig Pull	F.P. Indent	trig Pull
.018 "	8.50	.0185 "	10.00
.0185 "	7.75	.019 "	9.75
.0185 "	8.00	.019 "	7.00
.0185 "	8.50	.019 "	9.25
.0185 "	8.75	.019 "	10.00
.0184 "	8.30	.0189 "	9.20