

REMINGTON ARMS COMPANY, INC.
ENGINEERING DEPARTMENT COMPUTATION SHEET

SHEET 1

Tender Metal Seals - Oiled Locking Cam - Serial # 3			Col. 243 Win 3/3/		
M-700 Dry cycle test 0					
#	F.P. INDENT	TRIG. PULL	NOT BURRED	F.P. INDENT	TRIG. PULL
139457			139609		
1	.0175"	6-0	W/O BURR	.017"	5-4
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
1355			139312		
1	.0175"	5-8		.0175"	3-4
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"	6-8		.0185"	5-0
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
10	.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)

DATE 3-4-65

WORKS 3-4-65

F.P. INDENT - TRIG. PULL			F.P. INDENT - TRIG. PULL		
139457	.018"	5-8 1/2	139609	.0185"	5-8
139457	.0185"	5-12	139609	.0185"	5-4 1/2
139457	.0185"	5-8	139609	.0185"	5-8
139457	.0185"	5-12	139609	.0185"	5-8
139457	.017"	6-0	139609	.0185"	5-8
139457	.018"	5-12	139609	.019"	5-12
139457	.018"	5-12	139609	.018"	5-12
139457	.018"	6-8	139609	.0185"	5-4
139457	.018"	6-4	139609	.019"	6-4
139457	.0185"	5-8	139609	.019"	6-0
Ave .0181	Ave 5.825		Ave .0185	Ave 5.625	
139556	.018"	5-12 1/2	139312	.0195"	4-0
139556	.0195"	5-12	139312	.0195"	3-4
139556	.0185"	5-8	139312	.0195"	3-0
139556	.018"	5-12	139312	.019"	3-4
139556	.019"	6-0	139312	.019"	3-0
139556	.019"	6-8	139312	.018"	3-0
139556	.0185"	7-0	139312	.019"	3-0
139556	.018"	6-12	139312	.018"	3-4
139556	.018"	6-4	139312	.0175"	3-0
139556	.019"	6-8	139312	.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
139413	.018"	6-0	139298	.0185"	5-8
139413	.018"	6-4	139298	.017"	5-8
139413	.0175"	6-0	139298	.018"	5-8
139413	.0175"	5-12	139298	.019"	5-12
139413	.0175"	6-0	139298	.0185"	5-8
139413	.018"	6-4	139298	.019"	5-12
139413	.0175"	6-0	139298	.018"	5-8
139413	.018"	6-0	139298	.0185"	5-12
139413	.017"	5-12	139298	.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 Steels*
SUBJECT *M-700-DRY Cycle Test - (200 CYCLES)*

REL. N. *Scale #3*
NOTES

F.P. INDENT		TRIP - FULL	F.P. INDENT		TRIP - FULL
139457	.018"	5-12 ⁸	139609	.0175"	5-12 ⁸
<i>W/BURR</i>	.019"	5-4	<i>W/BURR</i>	.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 ⁸
	.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"	6-8		.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. *Border Metal Sear*

PROJ. NO. *Sub #3*

SUBJECT: *M-700 - Dry Cycle Test (300 Cycles)*

DATE: *3-5-65*

F.P. INDENT		TR19 Pull	F.P. INDENT		TR19 Pull
39457	.0185"	5-0	39409	.019"	5-8
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	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	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: M-700 - Dry Cycle Test 400 Cycles

Serial #3

WORKS 3-5-65

F.P. INCIDENT		TRIP PULL		F.P. INCIDENT		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 Beam
SUBJECT: m-700 - Dry Cycle test

Scale 3
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 "	5-0 ✓		.0185 "	7-8
Ave. .01885		Ave. 5.275	Ave. .01895		Ave. 6.775
39555	.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	189298	.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 - .243 Cal Dry Cycle Test*
1000 Cycles

WORK NO
3-8-13-

E.P. INDENT		TRIG. PULL		E.P. INDENT		TRIG. PULL	
39457	.0185"	5-8	✓	139609	.0185"	6-8	✓
1/BURR	.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	
39473	.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.

SUBJECT

Powder Metal Bear test
7m-700-24361 Dry cycle
1500

PROD. NO.

WORKS

DATE 3-9-65

F.P. INDENT	TRIG. PULL	F.P. INDENT	TRIG. PULL
39457	.0195" 5-12 1/2 ✓	135609	.019" 7-4
See	.019" 5-8	W/O BURR	.0195" 6-12 ✓
W/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	.020" 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
9413	.0175" 6-4 ✓	139295	.019" 5-4
	.0185" 5-12 ✓		.018" 5-4
	.0175" 6-0		.018" 5-0 ✓
	.0185" 6-0		.0175" 5-4
	.018" 6-4		.0185" 5-8
	.018" 6-0		.0185" 5-4
	.0175" 5-12 ✓		.018" 5-0
	.019" 6-4		.0185" 5-8 1
	.0185" 6-4		.019" 5-4
	.0185" 6-4		.019" 5-8
Ave. .01815	Ave. 6.075	Ave. .0184	Ave. 5.275

Inspected by
Paul Lynch
C. Brown
HY TRIG
100000
- No wear
on diam
cleaned
OK

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT COMPUTATION SHEET

SHEET NO. 9

TITLE: Powder Metal Seal Test
SUBJECT: M-700 - 243 Cal. Dry Cycles

PROJ. NO.

WORKS

E.P. INDENT			TRIG. FULL			E.P. INDENT			TRIG. FULL		
139457						139609					
W/BORR						W/BORR					
1	.0185"	5-408					.0185"	7-408			
2	.0195"	5-8					.019"	8-4			
3	.020"	5-0					.019"	7-12			
4	.0195"	5-4					.0195"	7-12			
5	.0185"	5-4					.0195"	7-12			
Ave. .0192			Ave 5.25			Ave. .0191"			Ave. 7.55		

139585			139312		
.018"	7-12		.0185"	3-808	
.019"	8-12		.018"	3-8	
.0185"	8-4		.018"	3-12	
.019"	7-12		.019"	3-8	
.0185"	7-4		.0185"	3-12	
Ave. .0186			Ave. .0189		
Ave. 7.95			Ave. 3.60		

139413			139298		
.0175"	6-6		.019"	8-0	
.0175"	6-4		.020"	8-12	
.0175"	6-8		.0195"	6-4	
.018"	6-0		.0185"	7-0	
.0175"	7-0		.0185"	6-12	
Ave. .0176			Ave. .0191		
Ave. 6.35			Ave. 7.35		

REMINGTON ARMS COMPANY, INC.
ENGINEERING DEPARTMENT COMPUTATION SHEET

10

TITLE OF PRESS

Powder Metal Lean

SUBJECT

M-700 - 243 Cal

(2,500) Cycle

PROJ. NO.

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

M/O 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" 9.88

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

11

TITLE OF PROJ. *Powder Metal Leans*
SUBJECT *M-700-.243 Cal Dry Cycle*
F.P. INDENT. *TRIS Pull* *3000*

REVISIONS
DATE *3-10-65*
WORKS *TRIS 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" 6-12
.019" 7-0
.0195" 6-8
.019" 6-8
.019" 7-0

.0192" 6.75

139312

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

.0186" 9.15

39413

.0195" 7-0
.019" 6-0
.018" 6-4
.019" 6-4
.018" 6-8

.0187" 6.90

139398

.019" 9-0
.0185" 9-4
.019" 8-0
.019" 9-8
.0185" 8-4

.0188" 8.8

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT **EXHIBIT** COMPUTATION SHEET

SHEET NO 12

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

PROJ NO

WORKS

DATE 3-11-65

FR INDENT TRIS PULL 4000 FR INDENT TRIS PULL

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

AVG .0199" 5.75

139109 .0185" 7-4
 1/8mm .0185" 8-0
 .019" 7-8
 .019" 6-0
 .018" 5-8

.0186" 7.00

139353 .0185" 6-8
 1/8mm .0185" 6-8
 .0185" 6-8
 .0185" 6-4
 .019" 6-12

.0186" 6.8

139312 .0185" 4-8
 .019" 4-8
 .0175" 4-8
 .018" 4-4
 .018" 4-4

.0184" 4.62

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

.0173" 6.31

139296 .0185" 6-8
 .018" 7-8
 .018" 6-12
 .0185" 8-0
 .0195" 6-8

.0185" 7.31

REMINGTON ARMS COMPANY, INC.

ENGINEERING DEPARTMENT **COMPANY** COMPUTATION SHEET

SHEET NO 13

TITLE OF PROJ Powder Metal Bars
SUBJECT M-700 - 243 Cal Dry Cycle
5000

PROJ NO

WORKS

DATE 3-11-64

F.P. INDENT			TRIS PULL	F.P. INDENT			TRIS PULL
139457	.0195"	6.0		139609	.0185"	5.0	
1/8 BURR	.020"	6.4		1/8 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"	6.0			.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

TEST OF PROJ at 5000 Dry Cycles
SUBJECT: Gear (P.M.) Inspected by Paul. Lopez

PROJ NO

WORKS

DATE 3-16-65

139413 - P.M. Gear - 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 gear (surface contacting
connector -
1/2 contact Base on back of firing pin ^{head} contact
area - possibly from forming operation
(no wear)

139457 - 1/2 contact - (no wear)

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

L. Hagol -

Disassembled 6 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 AFMS COMPANY, INC.
ENGINEERING DEPARTMENT COMPUTATION SHEET

SHEET NO 16

TITLE OF PROJ. *Powder Metal Gears*
SUBJECT *M/700, 243 Cal Win* *Eng cycle test*
6086

PROJECT NO
WORKS

DATE 19

139457 W/BURR		139609 W/O BURR	
F.P. INDENT	TRIG PULL	F.P. INDENT	TRIG PULL
.030 "	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
139535 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	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"	7.05	.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
SUBJECT #700 powder metal piece

PAGE NO

WORKS

COMPUTER

DATE March 18

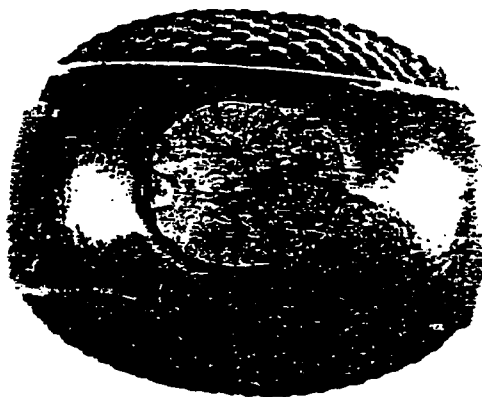
1965

GUN # 139312

At 6,527 dry cycle this gun would not fire.
The gun was brought to Paul Hagedorn who inspected it.
With his finger he wiped off the cocking 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. Monk 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

3-15-19 19

TITLE OF PROJ. Powder Metal Leans - Dry Cycle test
SUBJECT M-700 - .243 Cal Win
Dry Cycles - 8,000

PROJ. NO.

WORKS

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
SUBJECT M-700 - 243 Cal Wm
Long cycle test 9000

ORD NO

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	ave .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

DONT SAY IT - WRITE IT From Sheet # 20

to _____
FROM Kidder

New .308 old gun # 139457 Tray Pull

1-.019 " 2-.019 "

3-.0205 " 4-.0195 "

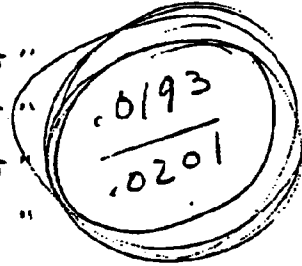
5-.020 " 6-.0195 "

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

REV. WIGTON 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

FIG. 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