

C6225162

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Arms Services Repair & Estimate System

File Add Repair Estimate Repair Expedite Repair Inquiry Repair Tools CSR Tools Reports Table Maintenance System Maintenance Help

Repair Inquiry

Repair Number: **RE00162702** Serial: C6225162 Model M24 SWS Center Fire
 Verify Repair Caliber: 7.62 NATO Produced: 06/21/1989 Repairman: Status: Closed 2/24/2009 1:46:56 PM

Address Information

Customer: ☒ Received From Return To: ☐ Received From
 Name: DEF DIST DEPOT ANNISTON AL DEF DIST DEPOT ANNISTON AL
 Address 1: 7 FRANKFORD AVE BLDG 362 7 FRANKFORD AVE BLDG 362
 Address 2: PO Box: PO Box:
 City: ANNISTON ANNISTON
 State: AL Zip Code: 36201 Country: US State: AL Zip Code: 36201 Country: US
 FFL:

Contact / Condition Problems Estimate History / Status Shipping / Billing

Contact Information
 Phone: Fax: Email: Comments:

Received Condition
 Fair
 Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A045	BiPod	1
A057	Fit and Rear Sgt Base	1

Repair Search Refresh Close Refresh Close

Start 9 Microsoft ... 4 Microsoft ... My Excite - Wi... Arms Services... Part Search b... Create PM No... 1:59 PM

Serial Number: **C6225162**

Model: **M24 SWS**



RE00162702

INSPECTION CHECKLIST - REPAIRS

CONTRACT #: W52H09-07-C-0207

ISSUED 10/1/2007

R & E NUMBER 162202SERIAL NUMBER C6225162LOG-IN DATE 2-24-09

OPERATION #	OPERATION NAME	DATE	INITIAL
500	DIS-ASSEMBLE GUN	6-16-09	RTZ
505	RE-BARREL	6-24-09	RTZ
420	ASSEMBLE	6-24-09	RTZ
440	PROOF	6-23-09	RTZ
460	CHECK HEADSPACE	6-23-09	RTZ
470	DIS-ASSEMBLE GUN	6-23-09	RTZ
480	MAGNAFLUX	6/26/09	
510	DRILL AND TAP	6-24-09	SP
500	ROLLMARK CALIBER	6/26/09	RT
520	GOFF BLAST BBL / REC	6/26	WJ
530 & 540	APPLY COATINGS	7-2	CM
560	FINAL ASSEMBLY	7-9-09	RTZ
640	FUNCTION TEST AND	(PASS) FAIL	7-9-09 RP
650	TARGET	(PASS) FAIL	7-9-09 RP
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	
	MALFUNCTION	CORRECTION	7-9-09 RP
670	FINAL INSPECTION		
	A) HEADSPACE	(PASS) FAIL	7-13-09 RP
	B) TRIGGER PULL	+/- .5 LBS MIN 2.50 LBS MAX 4.0 LBS	271 255 251 261 261 7-13-09 RP
680	F) SAFETY ON FORCE	2 LBS MIN 10 LBS MAX	4.9 4.9 4.9 7-13-09 RP
	G) SAFETY OFF FORCE	2 LBS MIN	5.0 5.0 5.0 7-13-09 RP
	I) FIRING PIN INDENT	.020	.024 .024 .024 7-13-09 RP
690	PACK		7/15/09 FM

F006 REV 1/2009

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6225162.__0
FILE DATE AND TIME: .07/10/2009 07:23

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	-0.009
The Average Y Centroid of the Five Target Set:	-0.090
The Average Point of Impact of the Five Target Set:	0.091
The Average Mean Radius of the Five Target Set:	0.695
The Distance from POA to Centroid Target #1:	0.045
The Distance from Centroid Target #2 to Centroid Target #1:	0.092
The Distance from Centroid Target #3 to Centroid Target #1:	0.061
The Distance from Centroid Target #4 to Centroid Target #1:	0.293
The Distance from Centroid Target #5 to Centroid Target #1:	0.260

SERIAL NUMBER: C6225162. __0

TARGET NUMBER: 1

FILE DATE: 07/10/2009

FILE TIME: 07:23

POINT#	X	Y
1:	1.196	0.328
2:	0.825	-0.037
3:	0.539	-0.122
4:	0.212	0.281
5:	-0.054	0.565
6:	-0.327	0.716
7:	-0.704	0.096
8:	-0.304	-0.241
9:	-0.471	-0.656
10:	-0.729	-0.521

X CENTROID: 0.018

Y CENTROID: 0.041

POA TO CENTROID: 0.045

HORZ SPREAD: 1.925

VERT SPREAD: 1.372

GROUP SPREAD: 2.104

MIN RADIUS: 0.308

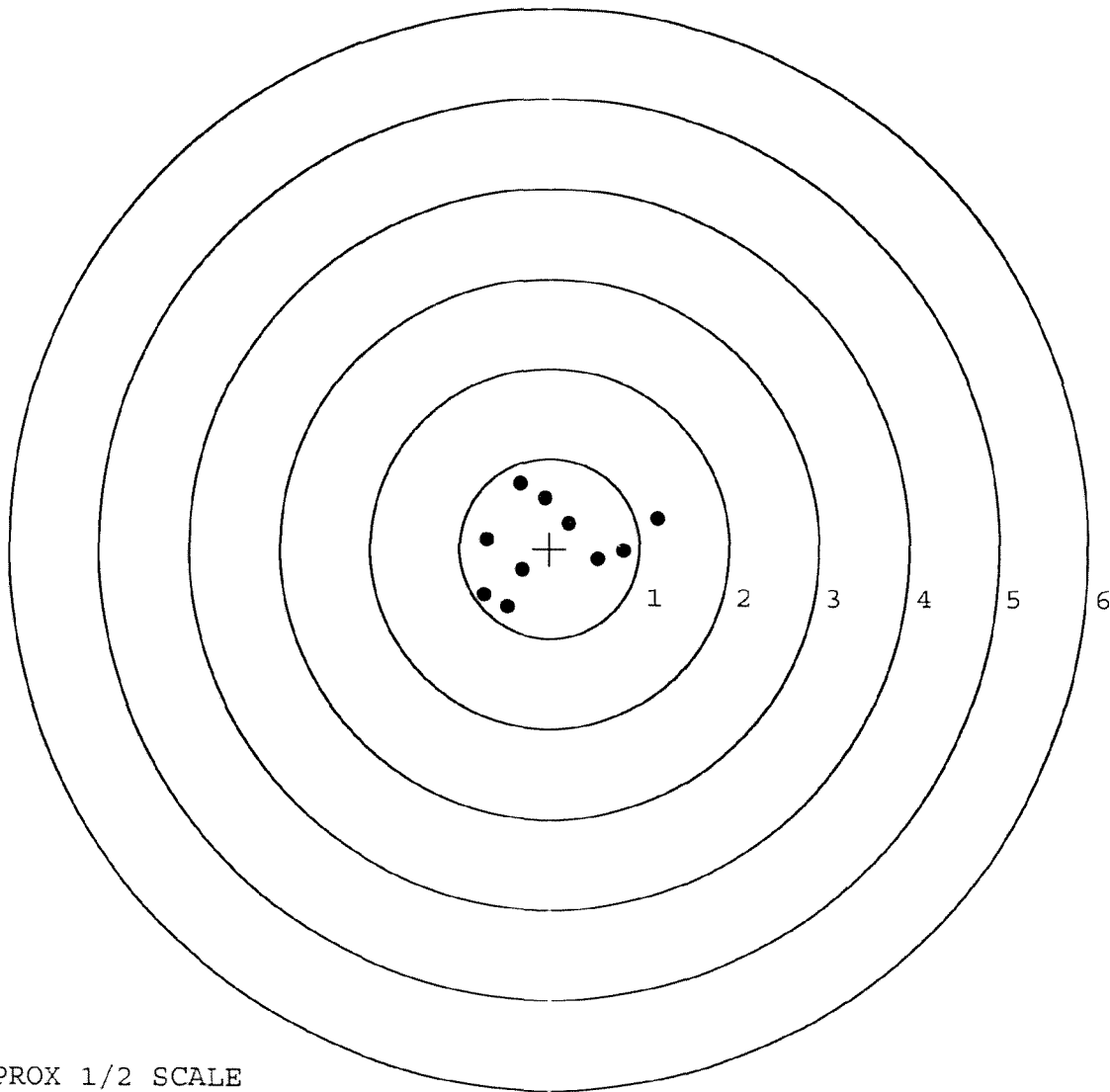
MAX RADIUS: 1.212

MEAN RADIUS: 0.710

IN 1 IN DIAMETER: 2

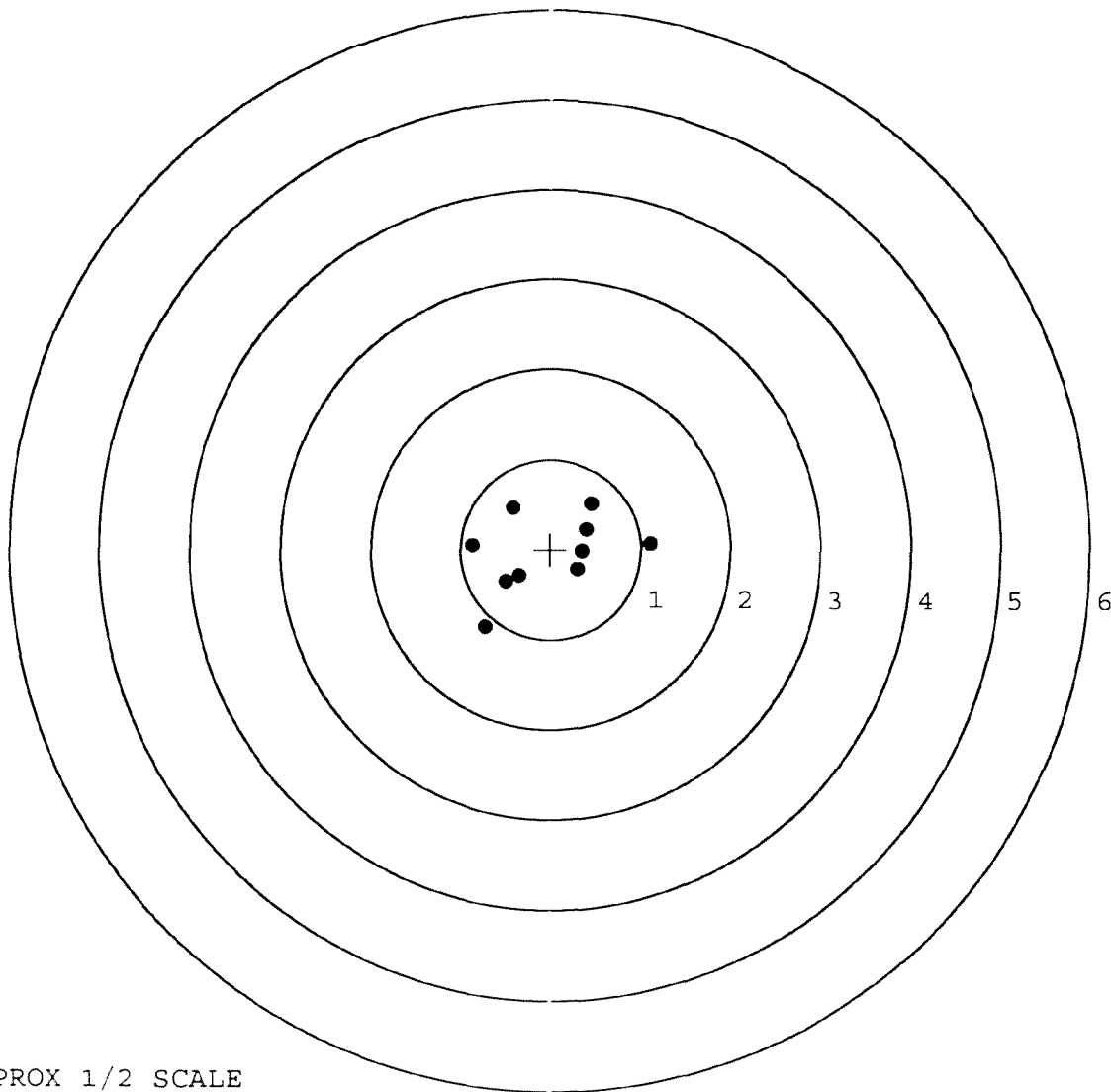
IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225162. 0	POINT#	X	Y
TARGET NUMBER: 2	1:	-0.727	-0.866
FILE DATE: 07/10/2009	2:	-0.494	-0.356
FILE TIME: 07:23	3:	-0.351	-0.290
	4:	-0.877	0.053
X CENTROID: -0.025	5:	-0.414	0.472
Y CENTROID: -0.041	6:	1.100	0.069
POA TO CENTROID: 0.048	7:	0.305	-0.219
HORZ SPREAD: 1.977	8:	0.354	-0.015
VERT SPREAD: 1.383	9:	0.399	0.230
GROUP SPREAD: 2.052	10:	0.451	0.517
MIN RADIUS: 0.376			
MAX RADIUS: 1.131			
MEAN RADIUS: 0.668			
# IN 1 IN DIAMETER: 3			
# IN 2 IN DIAMETER: 8			
# in 3 IN DIAMETER: 10			

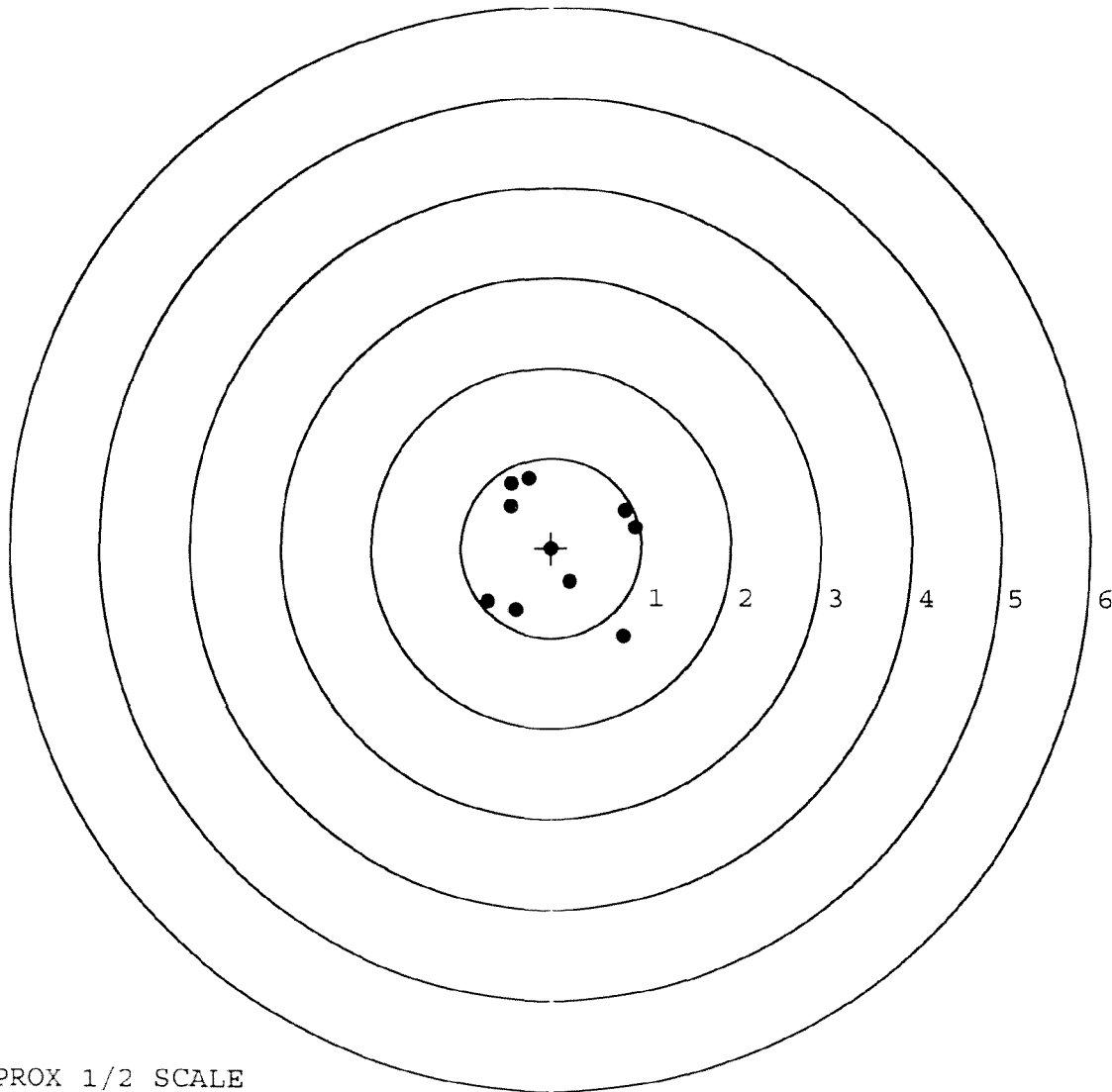


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225162. 0
 TARGET NUMBER: 3
 FILE DATE: 07/10/2009
 FILE TIME: 07:23

POINT#	X	Y
1:	-0.253	0.776
2:	-0.444	0.707
3:	-0.452	0.456
4:	0.818	0.410
5:	0.927	0.220
6:	-0.003	-0.008
7:	0.208	-0.378
8:	-0.388	-0.697
9:	-0.703	-0.601
10:	0.802	-0.990

X CENTROID: 0.051
 Y CENTROID: -0.010
 POA TO CENTROID: 0.052
 HORZ SPREAD: 1.630
 VERT SPREAD: 1.766
 GROUP SPREAD: 2.105
 MIN RADIUS: 0.054
 MAX RADIUS: 1.234
 MEAN RADIUS: 0.764
 # IN 1 IN DIAMETER: 2
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225162. 0

TARGET NUMBER: 4

FILE DATE: 07/10/2009

FILE TIME: 07:23

POINT#	X	Y
1:	-1.073	-0.066
2:	-0.960	-0.260
3:	0.157	0.832
4:	-0.157	0.426
5:	0.241	0.254
6:	0.369	-0.288
7:	0.376	-0.492
8:	0.041	-1.108
9:	-0.142	-0.872
10:	0.062	-0.657

X CENTROID: -0.109

Y CENTROID: -0.223

POA TO CENTROID: 0.248

HORZ SPREAD: 1.449

VERT SPREAD: 1.940

GROUP SPREAD: 1.943

MIN RADIUS: 0.466

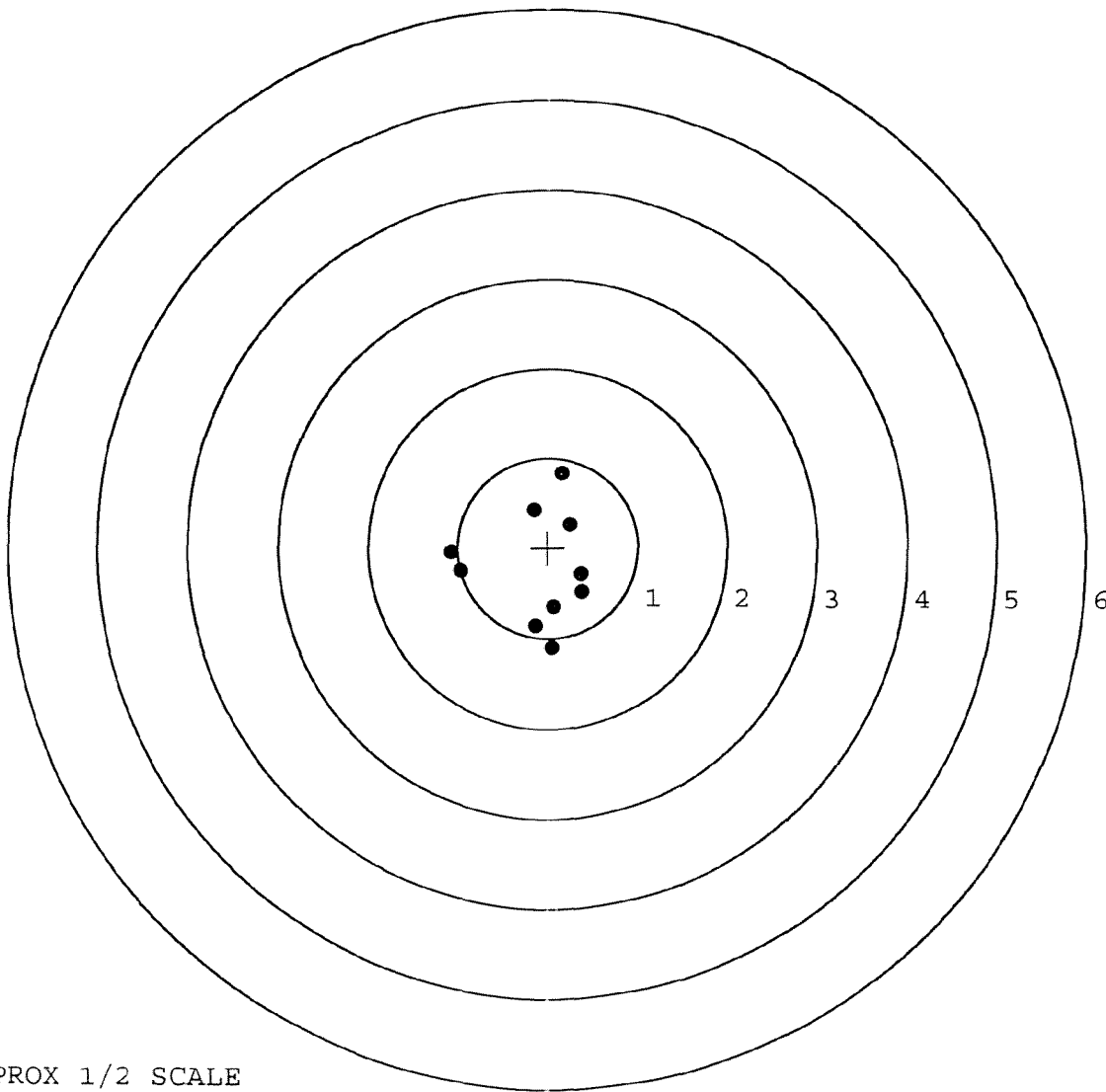
MAX RADIUS: 1.088

MEAN RADIUS: 0.721

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6225162. __0

TARGET NUMBER: 5

FILE DATE: 07/10/2009

FILE TIME: 07:23

POINT#	X	Y
1:	-0.674	-0.693
2:	-0.755	-0.205
3:	0.042	0.810
4:	0.492	0.292
5:	0.364	0.219
6:	-0.175	-0.175
7:	0.216	-1.051
8:	0.113	-0.736
9:	0.310	-0.464
10:	0.272	-0.186

X CENTROID: 0.021

Y CENTROID: -0.219

POA TO CENTROID: 0.220

HORZ SPREAD: 1.247

VERT SPREAD: 1.861

GROUP SPREAD: 1.869

MIN RADIUS: 0.200

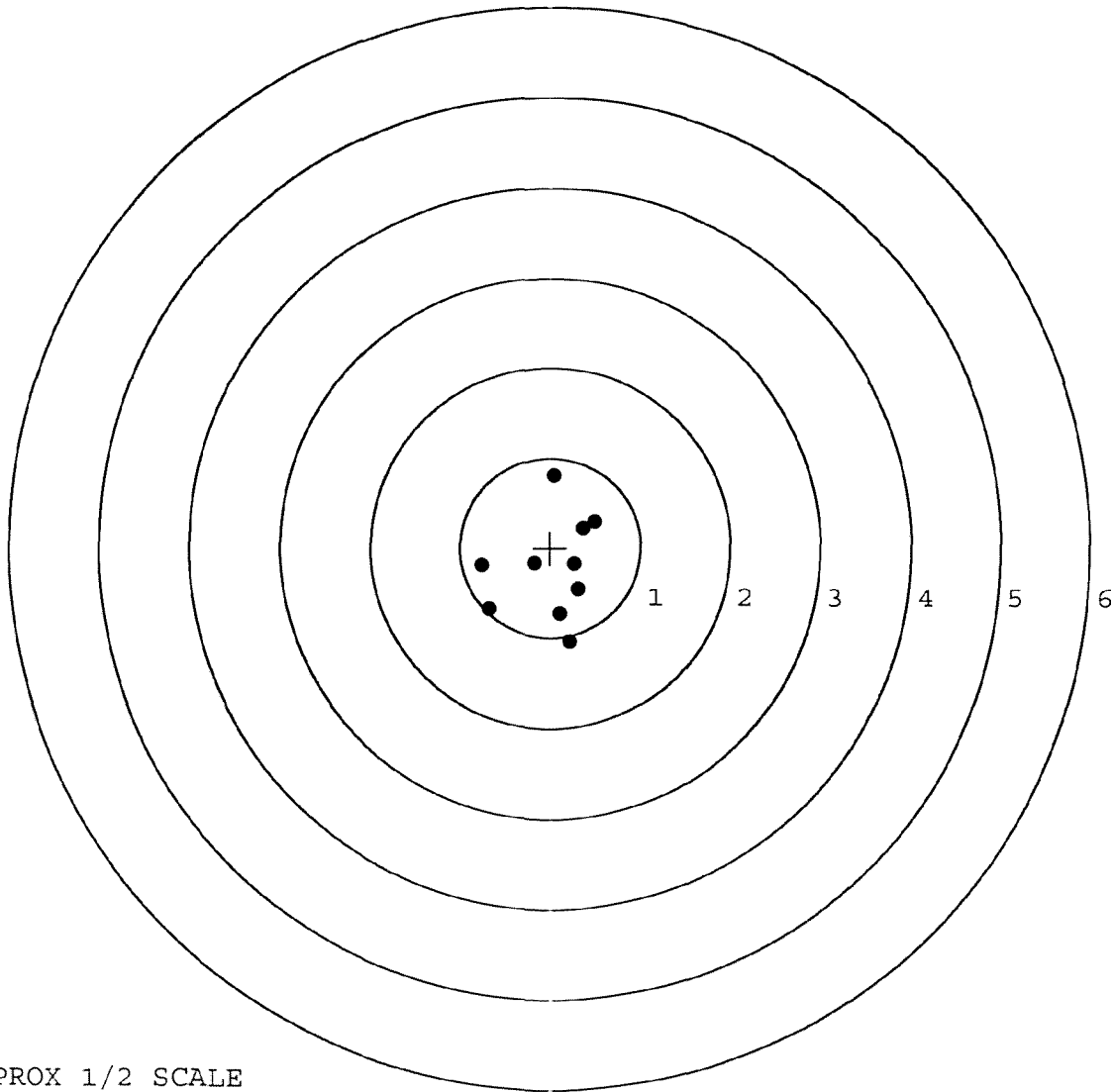
MAX RADIUS: 1.029

MEAN RADIUS: 0.611

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

RECEIVING REPORT

BARBER - M24 0099727

COMMENTS

ORDER

R 94-18207

INITIAL FDC CUSTOMER ORDER NO. DAAA09-92-C-0834

W/10X SCOPE, M-24 SNIPER, W/DEPLOYMENT KIT
ATTN: FRED MARTIN

Scope S/N 90-0514

DATE RECEIVED 06/10/94 DATE OPENED 06/10/94 DATE CODE

SERIAL NUMBER C6225162

NEW SERIAL NUMBER

MODEL AND GRADE 700 7-62

NATO

ACCESSORIES SLING STRAP HARD CASE SCOPE MNTS SCOPE BASE

FROM:

SHIP TO:

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTON

AL 36201-5025

COMMANDER (W52H094138H226)
DEFENSE DIST DEPOT ANNISTON
ATTN DDAA-UR BLDG 112
ANNISTONAL
36201-5025

CUST NO: 098397 C-JO.DL

ACCOUNT NUMBER

ACCOUNT NUMBER N/C

WRITE ☐

FROM DATE

ESTIMATED

VIA

FRT

GUN CONDITION

- ☐ NEW
☐ LIGHTLY WORN
☐ WORN
☐ VERY WORN
☐ UNREPAIRABLE
☐ MARRED

REPAIR CHARGE

EXCISE

TAX

INSURANCE

UPS

PARCEL POST

TOTAL

CUSTOMER CONCERN	AMMO	FUNCTION	FINISH	ACCURACY	FIT	INSPECT
CYCLE	A1	B1				
TRIGGER GROUP		B2			E1	F1
BOLT ASSY.		B3			E2	F2
BARREL ASSY.		B4		D1	E3	F3
REC. ASSY.		B5		D2	E4	F4
WOOD			C1	D3	E5	F5
METAL			C2			

MAIN FAULT

PARTS

COMMENTS

✓ Barrel
✓ Stock
✓ Trigger Assy
✓ Firing pin Assy
✓ Mag Spring
✓ Front & Rear Sight Assy

REPAIRMAN

PROOF

CLEAN

TEST

TARGET

PATTERN

GALLERY TESTER

DATE

DATE

DATE

DATE

DATE

OFFICE COPY

FD6925 REV. 1/84

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0099727

M2400009766

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 6225162

DATE 4-13-96

TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.66	2.56	2.66		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.55	2.43	2.56		
PULL #3	2.53	2.55	2.54		
PULL #4	2.54	2.46	2.63		
PULL #5	2.54	2.48	2.67		
TOTAL	1338	1248	1306		
AVG.	2.67	2.49	2.61		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.12	3.07		
PULL #2	3.04	3.00		
PULL #3	3.12	3.00		
PULL #4	3.01	2.90		
PULL #5	3.11	3.05		
TOTAL	1540	1502		
AVG.	3.08	3.00		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.14	4.29		4.28
PULL #2	4.26	4.06		4.28
PULL #3	4.09	4.19		4.23
PULL #4	4.14	4.10		4.31
PULL #5	4.20	4.01		4.14
TOTAL	2083	2065		2124
AVG.	4.16	4.13		4.24

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06225162
5 Mar 1900

CENTROIDAL DISTANCES

0 TO	1	.393641
1 TO	2	.49148
1 TO	3	.275
1 TO	4	.28516
1 TO	5	.544266

+ <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3488
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .53
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .634477
THE AMR FOR THIS RIFLE IS: .8534

5 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/CG225162

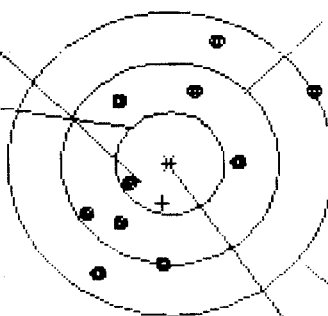
CENTERFIRE PATTERNS # 1

POA

1 in circle

2 in circle

3 in circle



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 7

3 in - 9

HS- 2.086

VS- 2.316

GS- 2.658

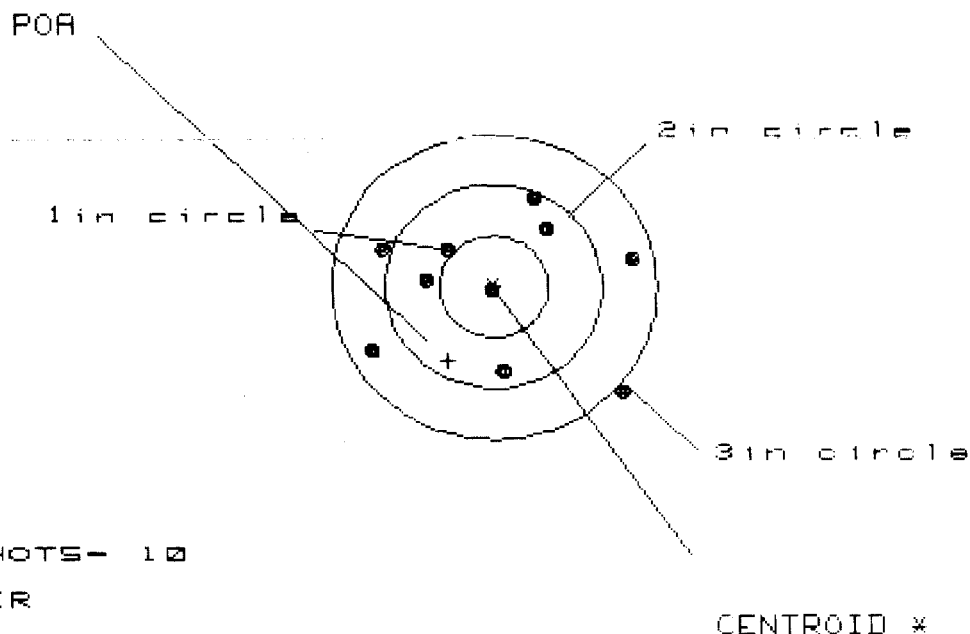
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.355	.806	.881
MINIMUM X	-.731	-.580	-.505
MAXIMUM Y	1.256	1.331	.944
MINIMUM Y	-1.060	-.985	-.818
CENTROID X	.072	-.079	-.154
CENTROID Y	.387	.312	.145
POA TO CENTROID in.	.394	.322	.212
MIN RADIUS	.423	.256	.130
MEAN RADIUS	.924	.825	.700
MAX RADIUS	1.515	1.463	1.058
HORIZONTAL SPREAD	2.086	1.386	1.386
VERTICAL SPREAD	2.316	2.316	1.762
EXTREME SPREAD	2.658	2.569	1.982
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	9		

5 Mar 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06225162

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 2.389

VS= 1.885

GS= 2.645

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.233	1.367	1.240
MINIMUM X	:	-1.156	-1.022	-1.030
MAXIMUM Y	:	.838	.722	.631
MINIMUM Y	:	-1.047	-.927	-1.018
CENTROID X	:	.424	.290	.417
CENTROID Y	:	.730	.846	.937
POA TO CENTROID in.	:	.844	.895	1.026
MIN RADIUS	:	.088	.177	.266
MEAN RADIUS	:	.905	.803	.751
MAX RADIUS	:	1.597	1.376	1.241
HORIZONTAL SPREAD	:	2.389	2.389	2.270
VERTICAL SPREAD	:	1.885	1.649	1.649
EXTREME SPREAD	:	2.645	2.547	2.271
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Mar 1988

FILE://PATTERNING/CENTERFIRE_PATT/C8225162

CENTERFIRE PATTERNS

3

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 8

HS= 2.435

VS= 2.594

GS= 2.971

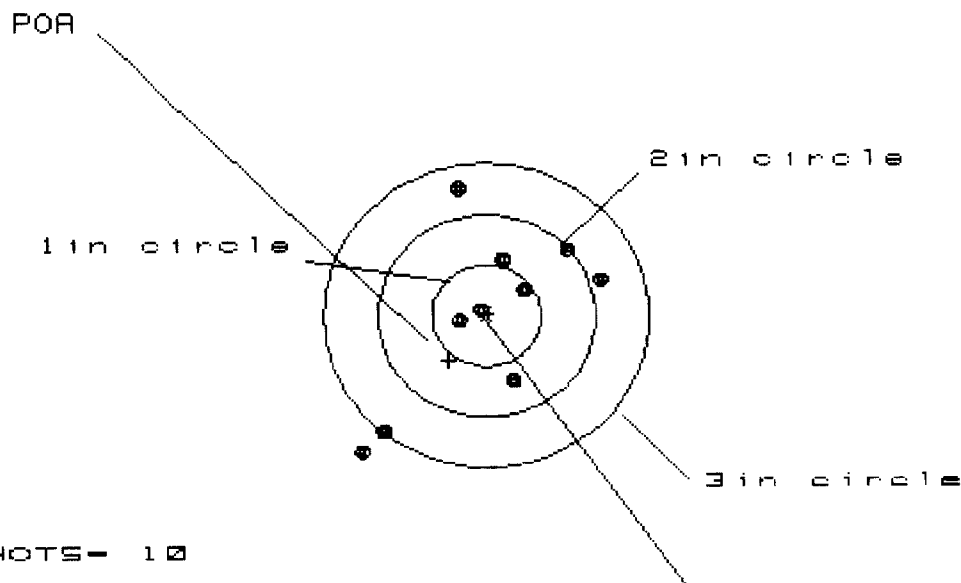
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.584	1.683	.781
MINIMUM X	:	-.851	-.752	-.542
MAXIMUM Y	:	1.558	1.221	1.279
MINIMUM Y	:	-1.036	-.863	-.805
CENTROID X	:	.336	.237	.027
CENTROID Y	:	.464	.291	.233
POA TO CENTROID in.:	:	.573	.375	.235
MIN RADIUS	:	.310	.138	.080
MEAN RADIUS	:	1.018	.888	.748
MAX RADIUS	:	1.793	1.746	1.380
HORIZONTAL SPREAD	:	2.435	2.435	1.323
VERTICAL SPREAD	:	2.594	2.084	2.084
EXTREME SPREAD	:	2.971	2.690	2.301
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		8	

5 Mar 1900

FILE:/PATTERNING/CENTERFIRE_PATT/CG225162

CENTERFIRE PATTERNS

4



OF SHOTS- 10

IN CIR

1 in = 3

2 in = 6

3 in = 9

ME = 2.199

VS = 2.530

GS = 2.754

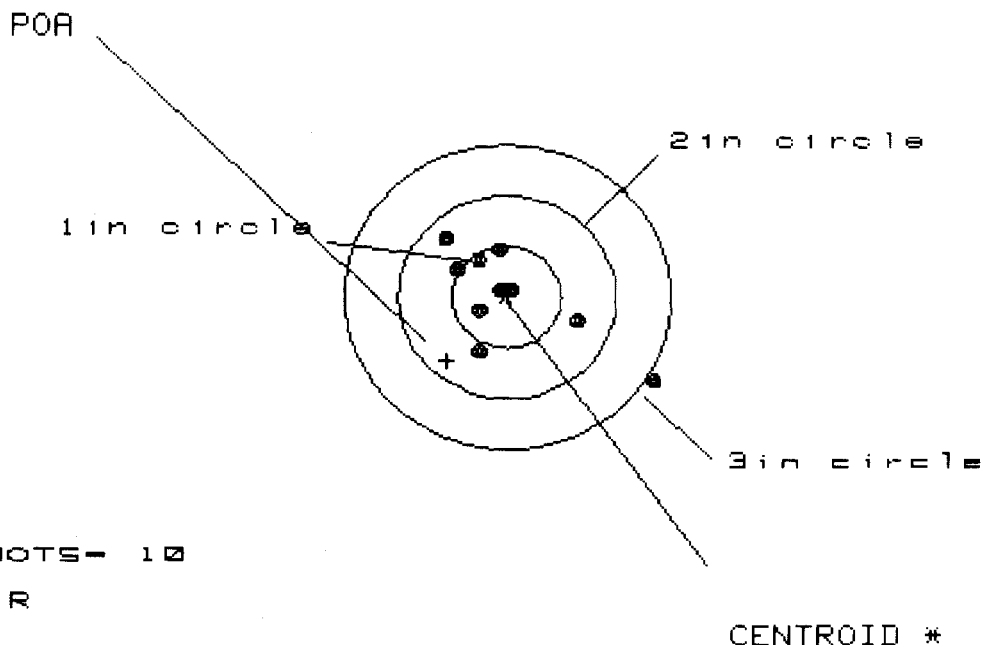
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.086	.962	.831
MINIMUM X	:	-1.113	-1.044	-.540
MAXIMUM Y	:	1.228	1.083	.924
MINIMUM Y	:	-1.302	-1.276	-.966
CENTROID X	:	.352	.476	.607
CENTROID Y	:	.441	.586	.745
POA TO CENTROID in.	:	.565	.755	.961
MIN RADIUS	:	.079	.161	.094
MEAN RADIUS	:	.869	.746	.605
MAX RADIUS	:	1.713	1.649	1.070
HORIZONTAL SPREAD	:	2.199	2.006	1.371
VERTICAL SPREAD	:	2.530	2.359	1.890
EXTREME SPREAD	:	2.754	2.497	1.976
NUMBER IN ONE INCH CIRCLE	=		3	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	

5 Mar 1900

FILE:/PATTERNING/CENTERFIRE_PATT/C6225162

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in = 6

2 in = 9

3 in = 9

HS= 1.851

VS= 1.420

GS= 2.333

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.320	.772	.724
MINIMUM X	-.531	-.384	-.318
MAXIMUM Y	.549	.453	.387
MINIMUM Y	-.871	-.654	-.598
CENTROID X	.560	.413	.461
CENTROID Y	.628	.724	.668
POA TO CENTROID in.	.841	.834	.811
MIN RADIUS	.107	.063	.012
MEAN RADIUS	.551	.386	.359
MAX RADIUS	1.582	.823	.759
HORIZONTAL SPREAD	1.851	1.156	1.042
VERTICAL SPREAD	1.420	1.107	.985
EXTREME SPREAD	2.333	1.370	1.131
NUMBER IN ONE INCH CIRCLE =		6	
NUMBER IN TWO INCH CIRCLE =		9	
NUMBER IN THREE INCH CIRCLE =		9	

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C622562

OP. #	OP. NAME	READINGS	DATE	INITIAL
575 & 580	Assemble Action and Stock			
600	Proof			
607	Check Headspace			
610	Dis-assemble Gun			
612	Magnaflux Barrel Action			
	Magnaflux Bolt			
615	Rollmark Caliber			
617	Drill and Tap Sight Holes			
618	Polish Barrel			
620	Apply Coatings (Barrel Action)			
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head			
	C) Inspect Ejector Hole for Chamfer			
	D) Oil Firing Pin Ass'y			
	E) Adjust Trigger Pull to Min Setting and Stake			

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	7	7	7			5/14/96	RW
	G) Safety Off Force	4	4	4			5/14/96	RW
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.023	.023	.023			5/14/96	RW
	J) Assemble Stock							
	K) Assemble Swivel Studs							
	L) Attach Front and Rear Sight Assemblies							
	M) Iron Sight Alignment							
	N) Detach Front & Rear Sights & place in numbered container							
	O) Attach Scope to Rifle							
	P) Detach & Attach Scope 20 Times							
640	Gallery Target & Test							
	A) Time							
	B) Malfunctions							
	C) Pierced Primers							
	D) Optical Clarity of Scope							
645	Inspect for Live Ammo							
655	Final Inspection							
	A) Headspace							
	B) Trigger Pull	2.57	2.67	2.56	2.69	2.65	5/14/96	RW
	C) Function							
660	Pack							

Remington[®]

MODEL 700TM H24

VERY IMPORTANT:
Instruction Book
enclosed to assure
safe use of this
firearm.

REMINGTON
REG. U.S. PAT. & TM. OFF.

SERIAL NO.
C6225162

ORDER NO.
5716

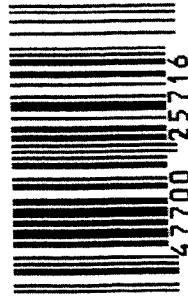
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MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.



5716 C6225162

UPC



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6225162

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	3 17	89	RW
600	Proof	3 17	89	RW
607	Check Headspace	3 17	89	RW
610	Dis-assemble Gun	3 17	89	RW
612	Magnaflux Barrel Action		3/21	KCR
	Magnaflux Bolt		3/21	KCR
615	Rollmark Caliber		3/21	SL
617	Drill and Tap Sight Holes	3 22	89	FB
618	Polish Barrel	3 22	89	BT
620	Apply Coatings (Barrel Action)		3/21/89	TSX
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		4/4/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		4/4/89	RW
	C) Inspect Ejector Hole for Chamfer		4/4/89	RW
	D) Oil Firing Pin Ass'y		4/4/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		4-6-89	SL

op. #	BARBER - M24 0009739 OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			4-6-89	JLL
	G) Safety Off Force	3	3	3			4-6-89	JLL
	H) Trigger Pull Test & Retainability						4-6-89	B.B.
	I) Firing Pin Indent	.023	.023	.022			4-6-89	JLL
	J) Assemble Stock						4/14/89	RW
	K) Assemble Swivel Studs						21 April 89	JLL
	L) Attach Front and Rear Sight Assemblies						4/14/89	RW
	M) Iron Sight Alignment						4/14/89	RW
	N) Detach Front & Rear Sights & place in numbered container						4/14/89	RW
	O) Attach Scope to Rifle						4/17/89	JLL
	P) Detach & Attach Scope 20 Times						4/19/89	JLL
640	Gallery Target & Test	65 R	89L				4/20/89	K
	A) Time						4/20/89	K
	B) Malfunctions						4/20/89	K
	C) Pierced Primers						4/20/89	K
	D) Optical Clarity of Scope						4/20/89	K
645	Inspect for Live Ammo						4/20/89	K
655	Final Inspection							
	A) Headspace						21 April 89	JLL
	B) Trigger Pull	2.10	2.37	2.42	2.24	2.29	21 April 89	JLL
	C) Function						21 April 89	JLL
660	Pack						27 June 89	JLL

BARBER - M24 0009740

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6225162DATE 3/28/90TESTER WB

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.16	2.19	2.28		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.21	2.20	2.28		
PULL #3	2.19	2.21	2.24		
PULL #4	2.20	2.19	2.32		
PULL #5	2.19	2.25	2.30		
TOTAL	10.95	11.04	11.42		
AVG.	2.19	2.21	2.28		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.08		
PULL #2	3.19	3.12		
PULL #3	3.26	3.13		
PULL #4	3.27	3.17		
PULL #5	3.21	3.17		
TOTAL	16.21	15.67		
AVG.	3.24	3.13		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.17	4.14		
PULL #2	4.19	4.23		
PULL #3	4.09	4.17 3.88		
PULL #4	4.17	4.17		
PULL #5	4.13	4.22		
TOTAL	20.75	20.93		
AVG.	4.15	4.19		

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6225162
20 Apr 1989

CENTROIDAL DISTANCES

0 TO	1	.620298
1 TO	2	.334379
1 TO	3	.544791
1 TO	4	.836193
1 TO	5	.599657

5
721 <----POA
49

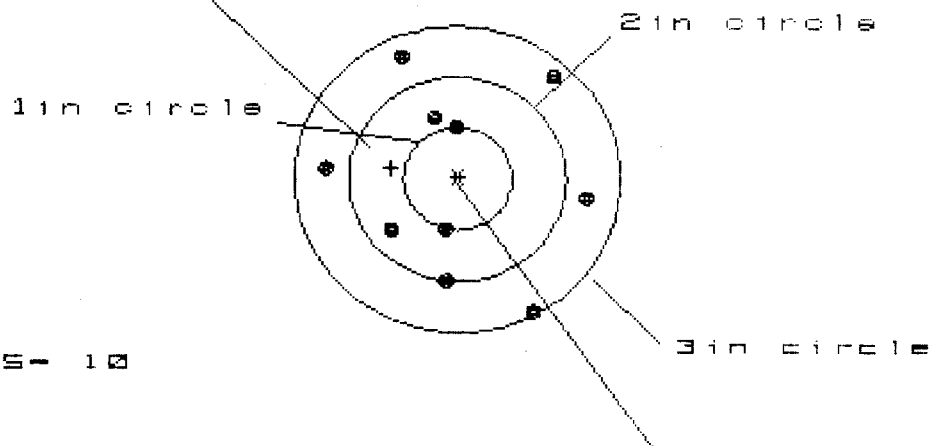
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .187
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1154
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .219741
THE AMR FOR THIS RIFLE IS: 1.116

20 Apr 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06225162

CENTERFIRE PATTERNS # 1

POA



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 10

HS= 2.391

VS= 2.474

GS= 2.767

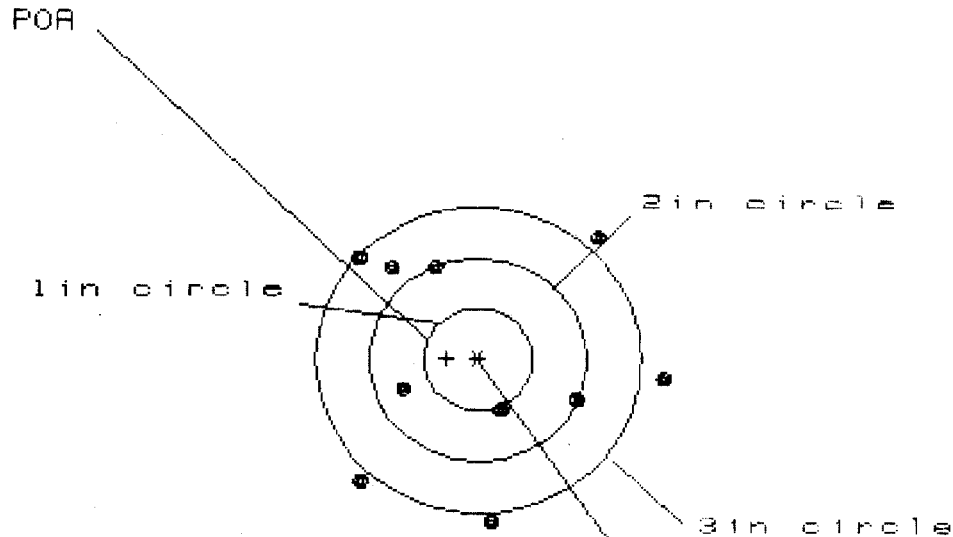
CENTROID *

PATTERN #	:	1	9	8
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.178	1.257	1.201
MINIMUM X	:	-1.213	-1.134	-1.190
MAXIMUM Y	:	1.206	1.065	.996
MINIMUM Y	:	-1.268	-1.155	-1.022
CENTROID X	:	.611	.532	.588
CENTROID Y	:	-.107	.034	-.099
POA TO CENTROID in.	:	.621	.533	.597
MIN RADIUS	:	.454	.378	.459
MEAN RADIUS	:	.990	.921	.889
MAX RADIUS	:	1.455	1.297	1.323
HORIZONTAL SPREAD	:	2.391	2.391	2.391
VERTICAL SPREAD	:	2.474	2.220	2.018
EXTREME SPREAD	:	2.767	2.406	2.406
NUMBER IN ONE INCH CIRCLE	=	1		
NUMBER IN TWO INCH CIRCLE	=	4		
NUMBER IN THREE INCH CIRCLE	=	10		

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 3

3 in - 5

HS- 2.855

VS- 2.845

GS- 3.320

CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.721	1.349	1.287
MINIMUM X	-1.134	-.942	-.774
MAXIMUM Y	1.235	1.211	1.175
MINIMUM Y	-1.610	-1.634	-1.483
CENTROID X	.291	.099	-.069
CENTROID Y	-.010	.014	-.137
POA TO CENTROID in.	.291	.100	.154
MIN RADIUS	.487	.599	.384
MEAN RADIUS	1.260	1.189	1.087
MAX RADIUS	1.734	1.812	1.548
HORIZONTAL SPREAD	2.855	2.291	2.061
VERTICAL SPREAD	2.845	2.845	2.658
EXTREME SPREAD	3.320	3.320	2.907
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	5		

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CENTERFIRE PATTERNS # 3

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 8

HS= 3.085

VS= 2.443

GS= 3.132

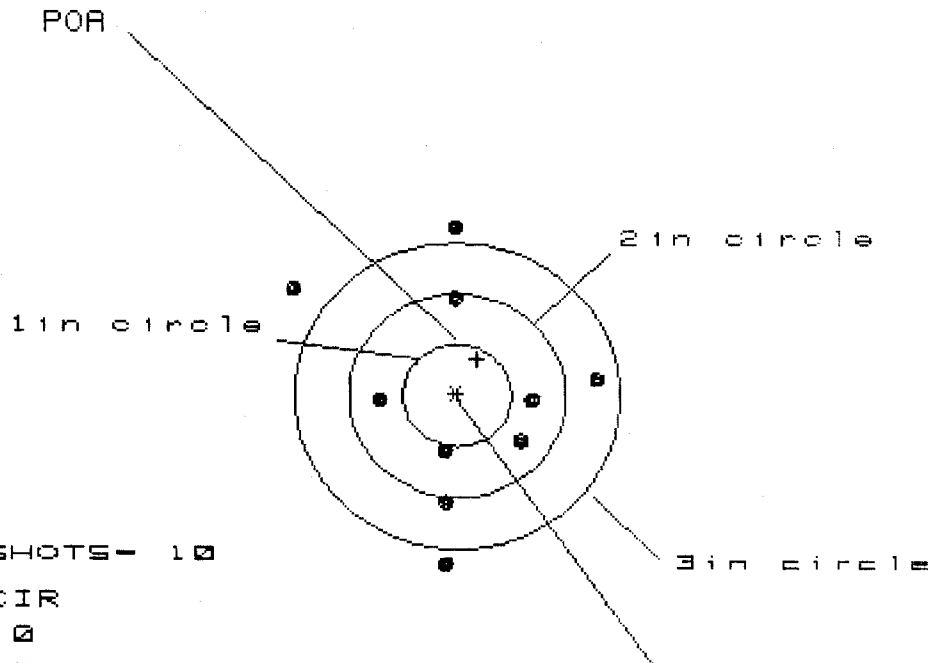
CENTROID *

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.589	1.159	.994
MINIMUM X	-1.496	-1.320	-.810
MAXIMUM Y	1.223	1.176	1.184
MINIMUM Y	-1.220	-1.267	-1.259
CENTROID X	.110	-.066	.099
CENTROID Y	-.321	-.274	-.282
POA TO CENTROID in.	.339	.282	.299
MIN RADIUS	.603	.428	.575
MEAN RADIUS	1.133	1.043	1.017
MAX RADIUS	1.644	1.580	1.497
HORIZONTAL SPREAD	3.085	2.479	1.804
VERTICAL SPREAD	2.443	2.443	2.443
EXTREME SPREAD	3.132	2.729	2.626
NUMBER IN ONE INCH CIRCLE	= 0		
NUMBER IN TWO INCH CIRCLE	= 5		
NUMBER IN THREE INCH CIRCLE	= 8		

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CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1 in = 0

2 in = 5

3 in = 7

HS = 2.892

VS = 3.275

GS = 3.280

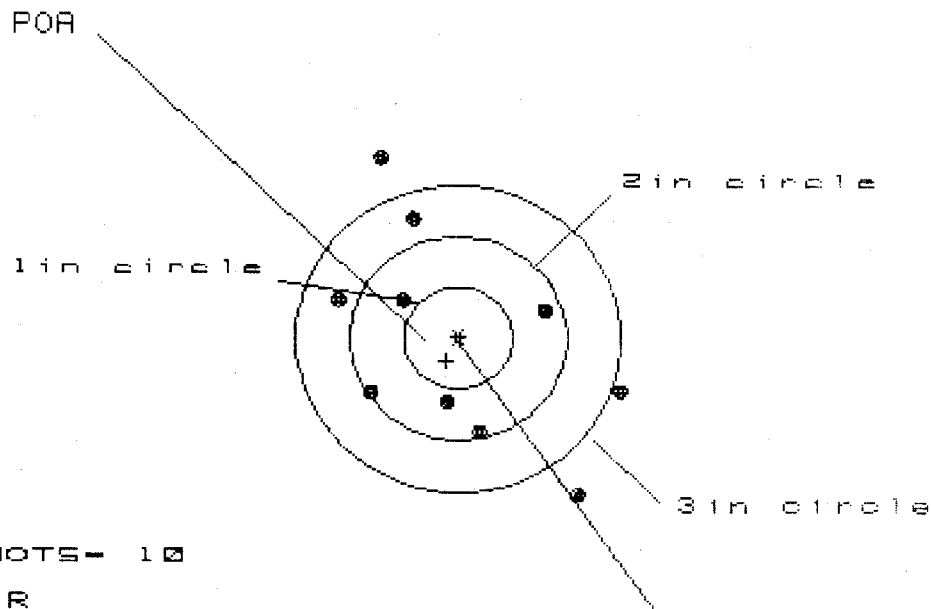
CENTROID *

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.329	1.155	1.116
MINIMUM X	:	-1.563	-.842	-.881
MAXIMUM Y	:	1.628	1.749	1.558
MINIMUM Y	:	-1.646	-1.526	-1.104
CENTROID X	:	-.186	-.012	.027
CENTROID Y	:	-.360	-.480	-.289
POA TO CENTROID in.	:	.405	.480	.290
MIN RADIUS	:	.509	.458	.498
MEAN RADIUS	:	1.107	.982	.923
MAX RADIUS	:	1.901	1.754	1.568
HORIZONTAL SPREAD	:	2.892	1.997	1.997
VERTICAL SPREAD	:	3.275	3.275	2.662
EXTREME SPREAD	:	3.280	3.280	2.669
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 7

HS= 2.614

VS= 3.257

GS= 3.695

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.491	1.416	1.539
MINIMUM X	-1.123	-1.198	-1.075
MAXIMUM Y	1.780	1.393	1.233
MINIMUM Y	-1.477	-1.279	-.857
CENTROID X	.109	.184	.061
CENTROID Y	.221	.023	.183
POA TO CENTROID in.	.246	.186	.193
MIN RADIUS	.643	.471	.600
MEAN RADIUS	1.179	1.079	1.001
MAX RADIUS	1.905	1.617	1.621
HORIZONTAL SPREAD	2.614	2.614	2.614
VERTICAL SPREAD	3.257	2.672	2.090
EXTREME SPREAD	3.695	3.031	2.774
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		