

06348875

MODEL 700TM M24

Model **SWS** TM

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington.

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: **RE00089020** Serial: C6348875 Model: M24 SWS Center Fire Caliber: 7.62 NATO Repairman: Status: Closed 12/6/2004 7:41:06 AM

Verify Repair

Address Information

Customer: (C) Received From: Return To: (C) Received From

Name: TRANSPORTATION OFFICER TRANSPORTATION OFFICER

Address 1: DEF DIST DEPOT ANNISTON AL DEF DIST DEPOT ANNISTON AL

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

Condition: Good

Condition Notes: CSR Notes:

Accessories Received

Code	Desc	Qty
A006	Sling Strap	1
A007	With Stud	3
A010	Hard Case	1
A017	Scope Base	1
A026	Scope	1
A055	Deployment Kit	1
C000	FRT AND REAR SGT	1
C001	SCOPE CASE	1

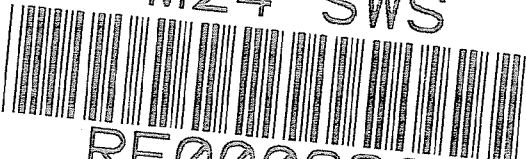
Repair Search Refresh Close

magletj 12/6/2004 8:51 AM CAPS NUM INE SCPL

start 2 2 2 2 2 2 2 2 2 2

Serial Number: **C6348875**

Model: **M24 SWS**



RE00089020

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6348875. __0
FILE DATE AND TIME: 01/07/2005 11:45

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.045
The Average Y Centroid of the Five Target Set:	0.087
The Average Point of Impact of the Five Target Set:	0.098
The Average Mean Radius of the Five Target Set:	0.743
The Distance from POA to Centroid Target #1:	0.170
The Distance from Centroid Target #2 to Centroid Target #1:	0.265
The Distance from Centroid Target #3 to Centroid Target #1:	0.447
The Distance from Centroid Target #4 to Centroid Target #1:	0.294
The Distance from Centroid Target #5 to Centroid Target #1:	0.066

SERIAL NUMBER: C6348875. __0

TARGET NUMBER: 1

FILE DATE: 01/07/2005

FILE TIME: 11:45

POINT#	X	Y
1:	0.601	-1.020
2:	0.021	-1.043
3:	1.043	0.392
4:	0.753	1.304
5:	-0.096	0.005
6:	-0.486	-0.533
7:	-0.428	0.447
8:	-1.086	0.226
9:	-1.365	0.872
10:	-0.519	0.028

X CENTROID: -0.156

Y CENTROID: 0.068

POA TO CENTROID: 0.170

HORZ SPREAD: 2.408

VERT SPREAD: 2.347

GROUP SPREAD: 2.459

MIN RADIUS: 0.087

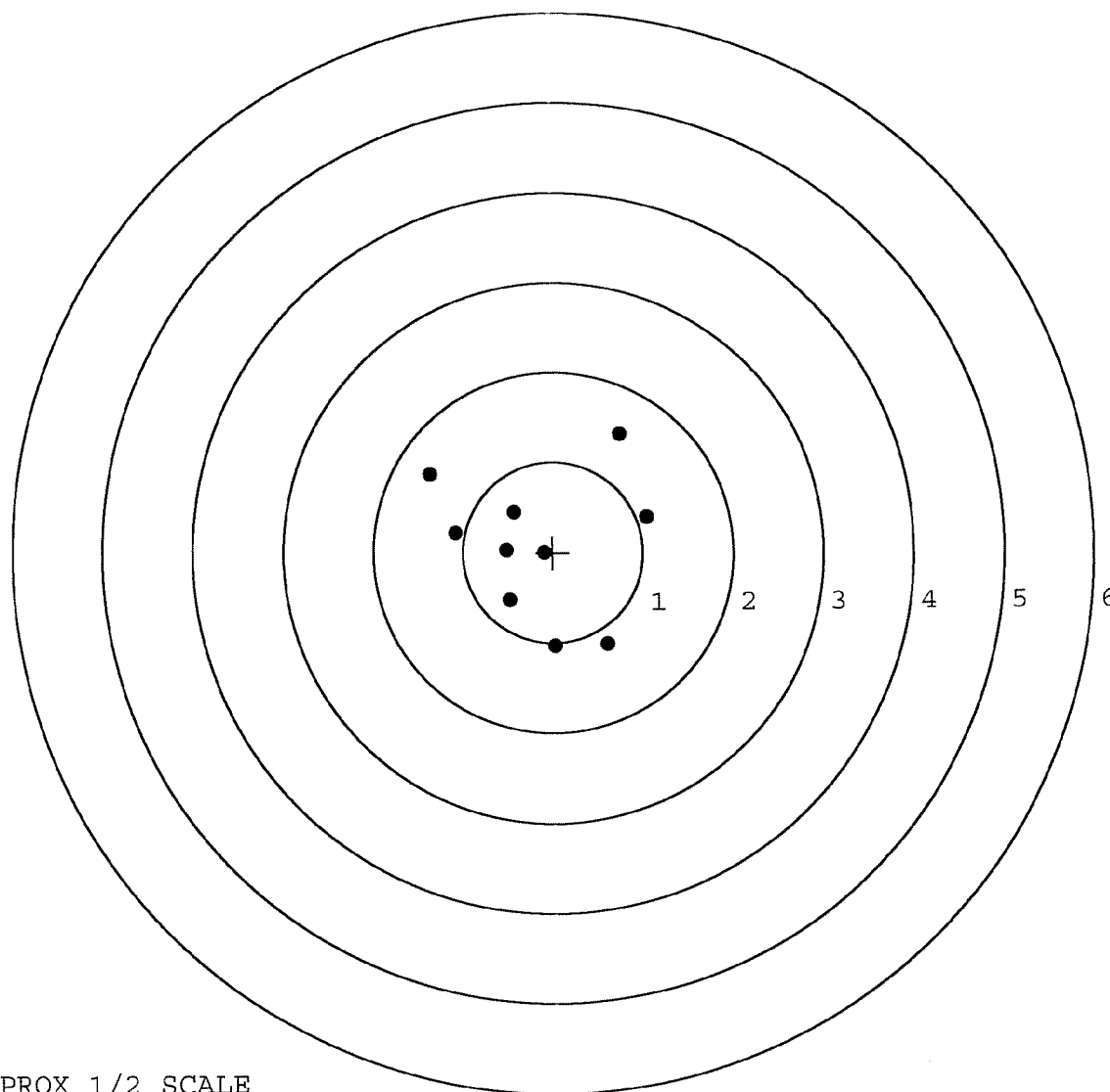
MAX RADIUS: 1.535

MEAN RADIUS: 0.923

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 5

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348875. __0

TARGET NUMBER: 2

FILE DATE: 01/07/2005

FILE TIME: 11:45

POINT#	X	Y
1:	1.061	0.505
2:	0.837	0.483
3:	0.385	0.435
4:	-0.378	0.843
5:	-0.095	1.998
6:	-0.425	0.063
7:	-0.848	-0.479
8:	0.130	-0.768
9:	-0.182	-0.586
10:	0.126	-0.301

X CENTROID: 0.061

Y CENTROID: 0.219

POA TO CENTROID: 0.228

HORZ SPREAD: 1.909

VERT SPREAD: 2.766

GROUP SPREAD: 2.775

MIN RADIUS: 0.389

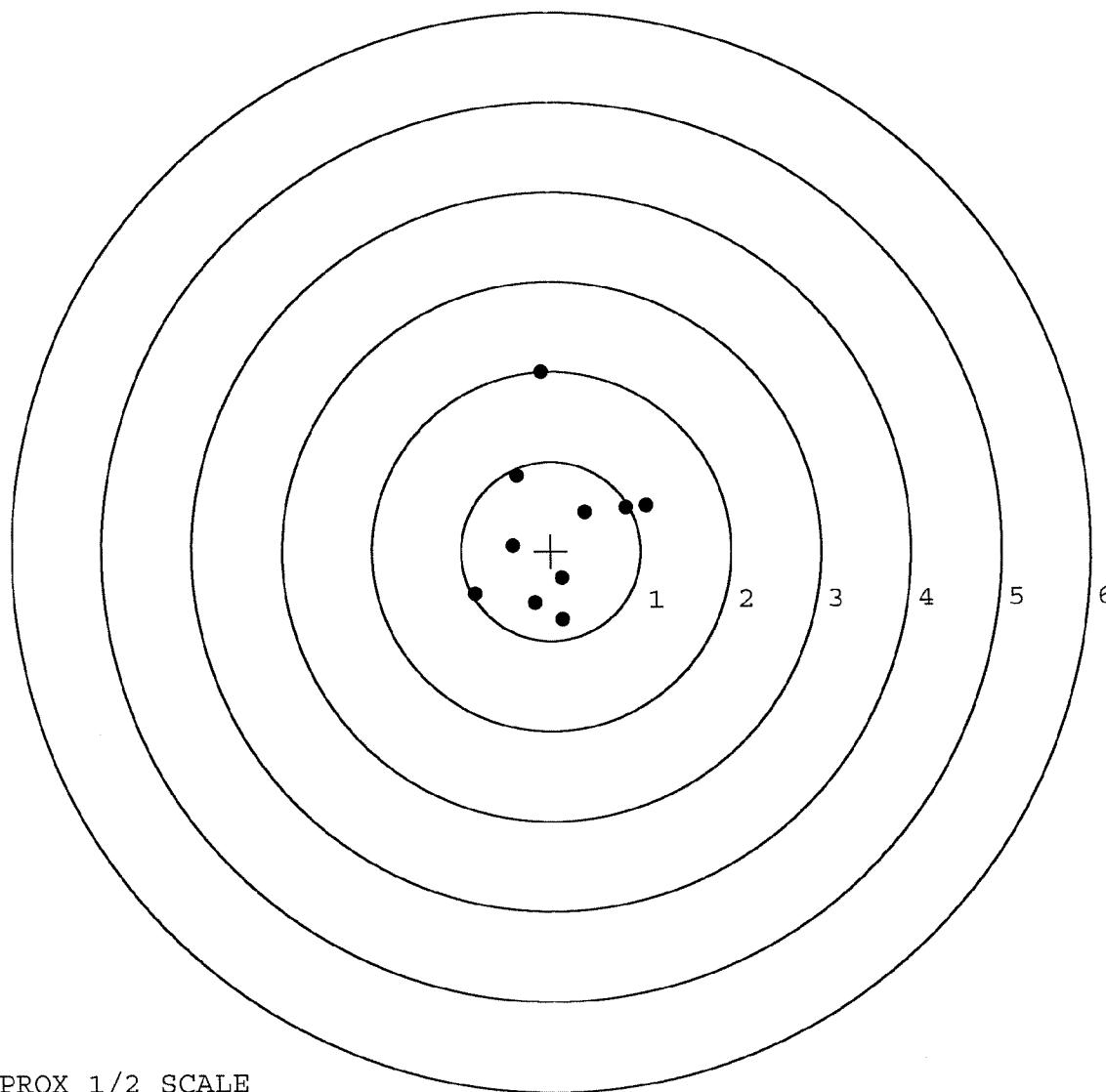
MAX RADIUS: 1.786

MEAN RADIUS: 0.881

IN 1 IN DIAMETER: 1

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

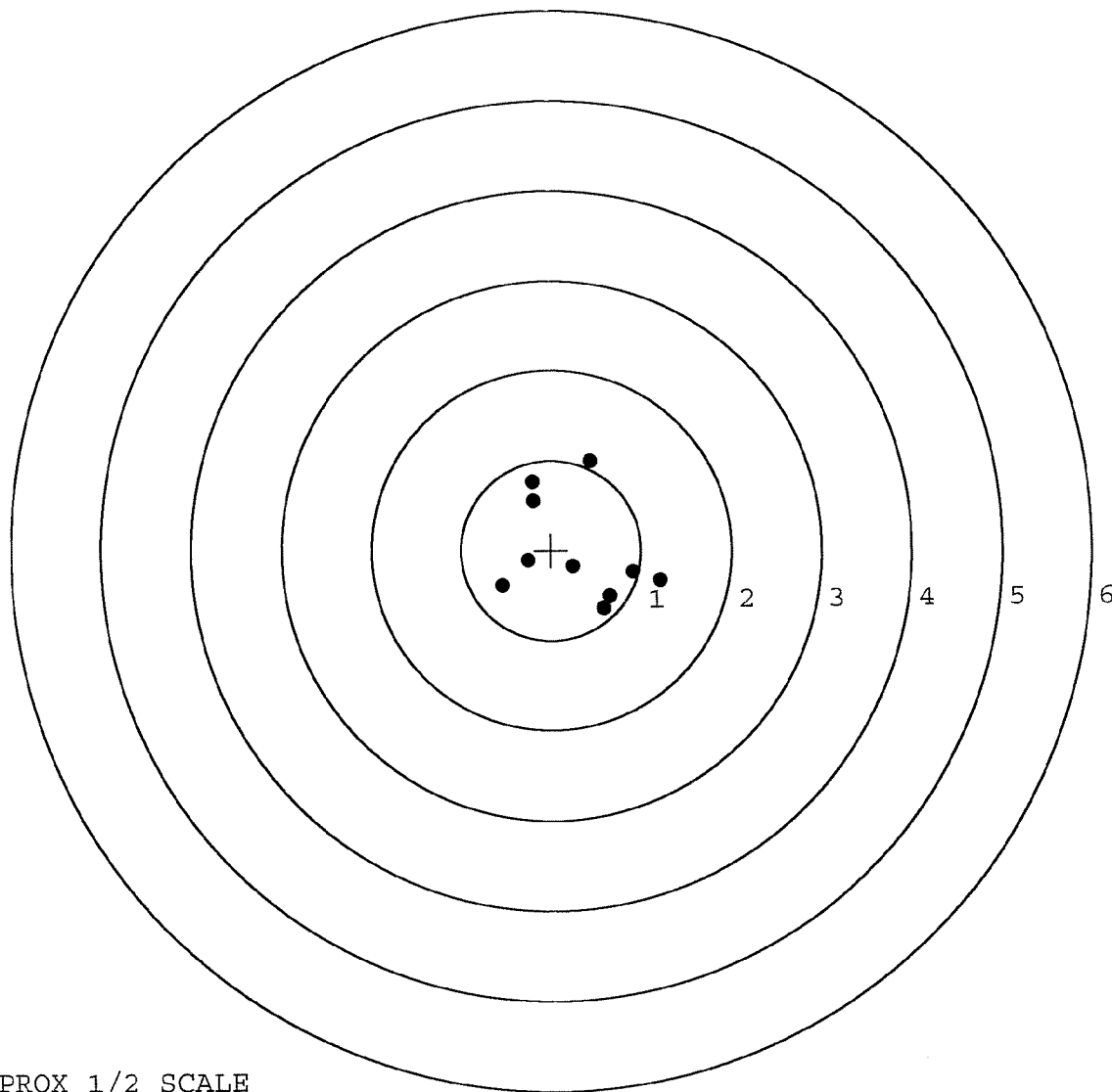


TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348875. 0
 TARGET NUMBER: 3
 FILE DATE: 01/07/2005
 FILE TIME: 11:45

POINT#	X	Y
1:	1.211	-0.343
2:	0.908	-0.247
3:	0.580	-0.652
4:	0.647	-0.517
5:	0.241	-0.180
6:	-0.260	-0.114
7:	-0.541	-0.396
8:	-0.197	0.553
9:	-0.206	0.765
10:	0.446	0.989

X CENTROID: 0.283
 Y CENTROID: -0.014
 POA TO CENTROID: 0.283
 HORZ SPREAD: 1.752
 VERT SPREAD: 1.641
 GROUP SPREAD: 1.701
 MIN RADIUS: 0.171
 MAX RADIUS: 1.016
 MEAN RADIUS: 0.729
 # IN 1 IN DIAMETER: 1
 # IN 2 IN DIAMETER: 9
 # in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348875. 0

TARGET NUMBER: 4

FILE DATE: 01/07/2005

FILE TIME: 11:45

X CENTROID: 0.138

Y CENTROID: 0.059

POA TO CENTROID: 0.150

HORZ SPREAD: 1.259

VERT SPREAD: 2.561

GROUP SPREAD: 2.591

MIN RADIUS: 0.162

MAX RADIUS: 1.509

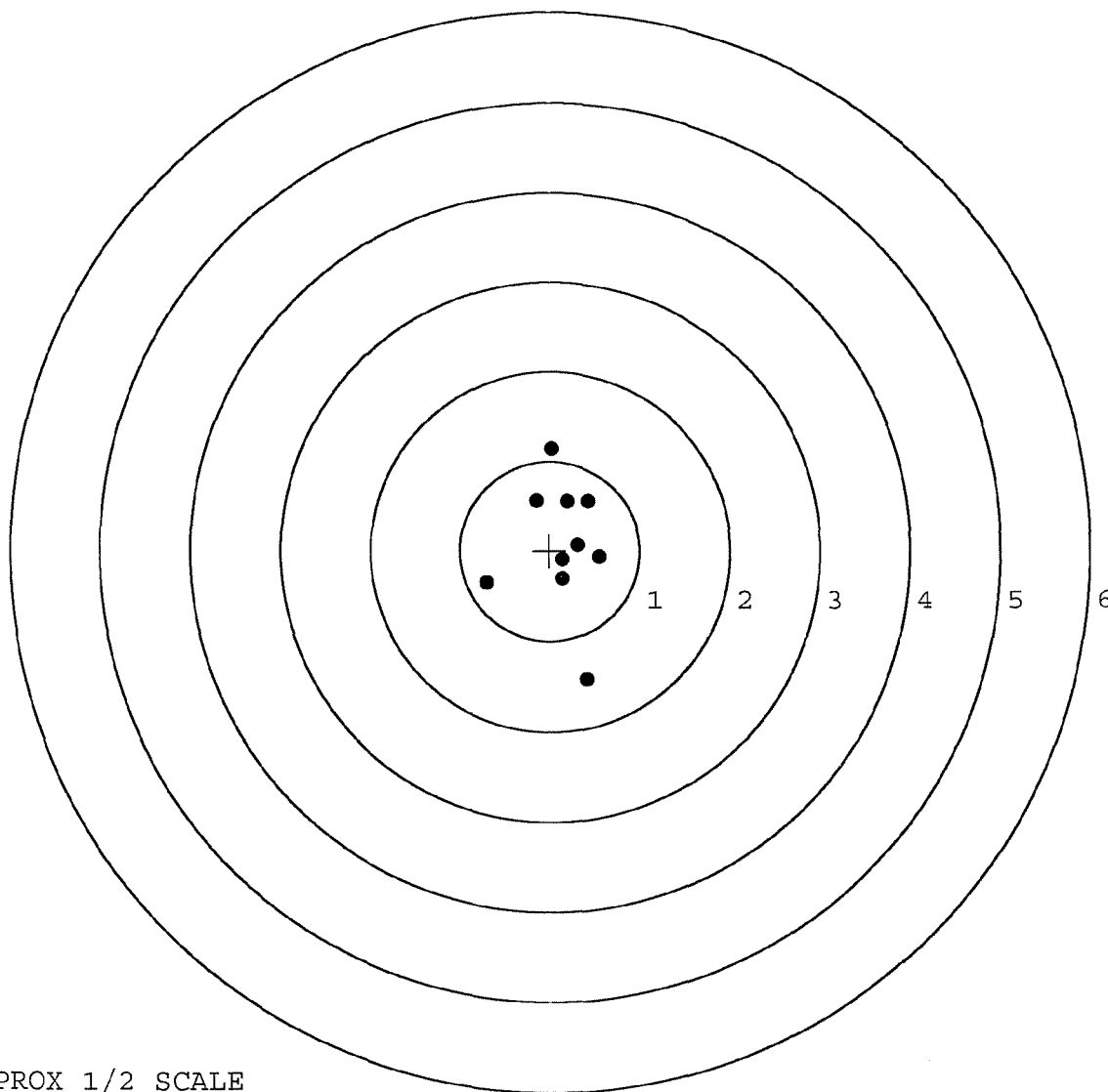
MEAN RADIUS: 0.633

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 8

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.415	-1.424
2:	-0.703	-0.355
3:	0.431	0.556
4:	0.199	0.548
5:	-0.152	0.554
6:	0.021	1.137
7:	0.556	-0.069
8:	0.319	0.061
9:	0.146	-0.103
10:	0.146	-0.316



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6348875. __0

TARGET NUMBER: 5

FILE DATE: 01/07/2005

FILE TIME: 11:45

X CENTROID: -0.101

Y CENTROID: 0.104

POA TO CENTROID: 0.145

HORZ SPREAD: 1.773

VERT SPREAD: 1.259

GROUP SPREAD: 1.806

MIN RADIUS: 0.107

MAX RADIUS: 0.930

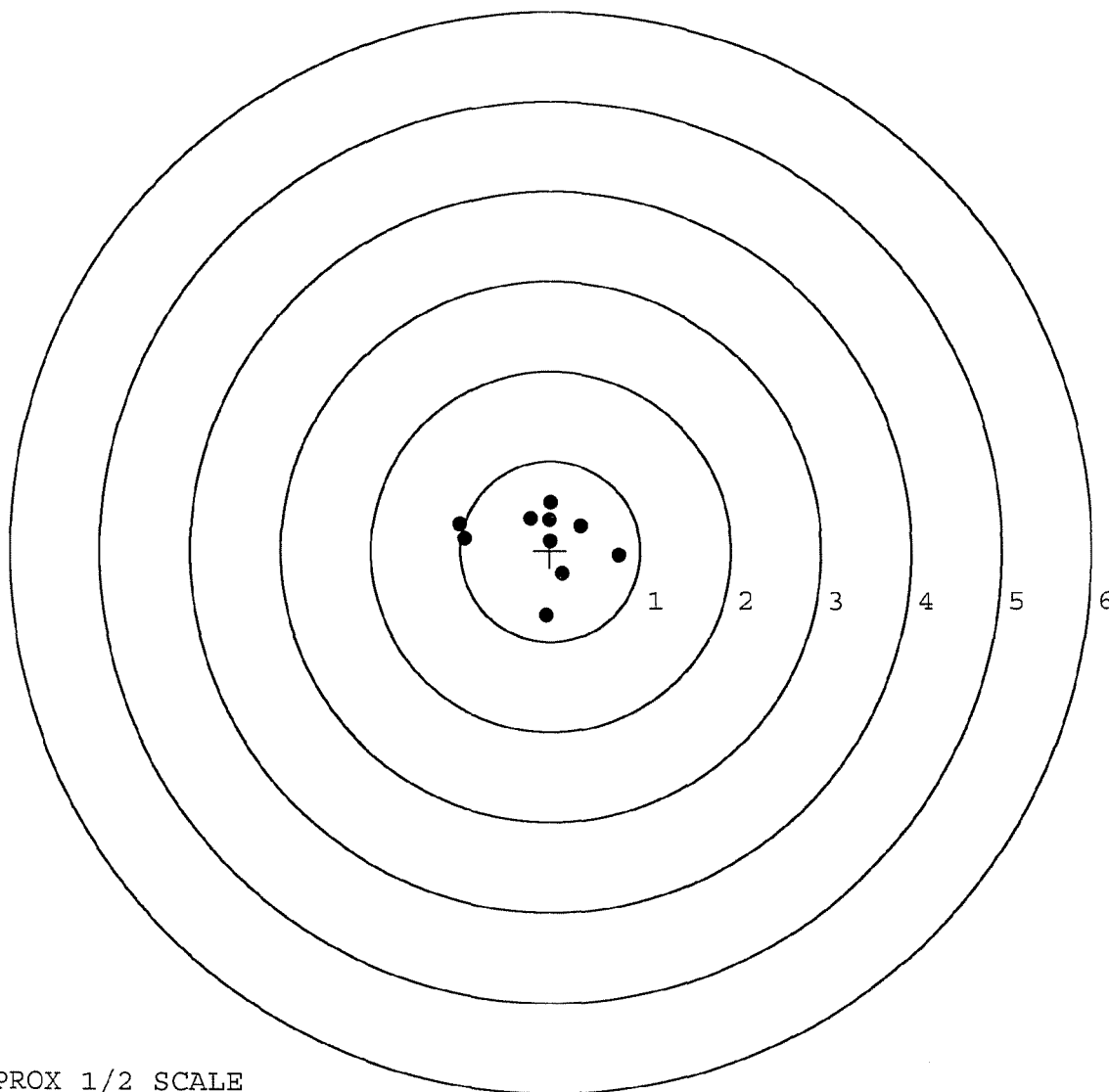
MEAN RADIUS: 0.548

IN 1 IN DIAMETER: 6

IN 2 IN DIAMETER: 10

in 3 IN DIAMETER: 10

POINT#	X	Y
1:	0.762	-0.050
2:	0.340	0.283
3:	-0.003	0.540
4:	-0.019	0.346
5:	0.006	0.107
6:	0.135	-0.256
7:	-0.047	-0.719
8:	-0.223	0.358
9:	-0.950	0.139
10:	-1.011	0.296



TARGET APPROX 1/2 SCALE

M-24 INSPECTION CHECKLIST
CONTRACT #: DAAE-20-02-D-0127

R & E NUMBER	89020		
SERIAL NUMBER	C6348875		
LOG-IN DATE	12-6-04		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	12-7-04	RTL
560 A	RE-BARREL	12-15-04	RTL
B	DRILL AND TAP	12-27-04	TKL
575	ASSEMBLE	12-16-04	RTL
600	PROOF	12-16-04	RTL
605	CHECK HEADSPACE	12-16-04	RTL
610	DIS-ASSEMBLE GUN	12-27-04	RTL
612	MAGNAFLUX	12-27-04	OPERATOR
615	ROLLMARK CALIBER	12-27-04	VCW
618	ROTO-BLAST	12/28/04	DG
620	APPLY COATINGS	1/3/05	HP
625 A	FINAL ASSEMBLY	1-05-05	RTL
B	TRIGGER PULL TEST	N/A	
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	1-7-05	AC
655	FINAL INSPECT	1-11-05	AC
660	PACK	3-1-05	19A
		SHIP DATE	
		QAR INSPECTION DATE	

BARBER M24 0040413
RECEIVING AND ESTIMATING REPORT

COMMENTS

ORDER
R 95-10968

INITIAL FJB	CUSTOMER ORDER NO.		W/10X SCOPE SNIPER W/DEPLOYMENT KIT ATTN: FRED MARTIN <i>Scope # 89-0250</i>		
DATE RECEIVED 03/30/95	DATE OPENED 03/31/95	DATE CODE DJ 9-89	SERIAL NUMBER C6348875	NEW SERIAL NUMBER	MODEL AND GRADE 700 7.62 NATO
ACCESSORIES SLING STRAP SCOPE MNTS SCOPE BASE HARD CASE					

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
ANNISTON AL 36201-5025

CUST NO: 098397 C.O.D.

ACCOUNT NUMBER	ACCOUNT NUMBER N/C	PROM. DATE	ESTIMATED 7-9-96	VIA UPS
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- 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
<i>NEW STOCK</i> <i>TRIGGER ASSY</i> <i>FIRING PIN ASSY</i> <i>FRONT LENS COVER</i> <i>REAR LENS COVER</i>	
REPAIRMAN TCEP	PROOF
GALLERY TESTER	DATE
CLEAN	TEST 7/10/96
TARGET 7/10/96	PATTERN

OFFICE COPY

RD5925 REV. 1/94

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER
KINZER V. REMINGTON

BARBER - M24 0040413

op. #	BARBER - M24 0040414 OP. NAME	READINGS			DATE	INIT		
625 cont.	F) Safety On Force	8	9	8	7-9	REP		
	G) Safety Off Force	4	4.5	5	7-9	REP		
	H) Trigger Pull Test & Retainability							
	I) Firing Pin Indent	.022	.024	.0245	7-9	REP		
	J) Assemble Stock				7-9	REP		
	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				7-9	REP		
	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	2.91	2.89	2.82	2.79	2.80	7/14	SF
	C) Function							
660	Pack							

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

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		7-9	REP
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7-9	REP
	C) Inspect Ejector Hole for Chamfer		7-9	REP
	D) Oil Firing Pin Ass'y		7-9	REP
	E) Adjust Trigger Pull to Min Setting and Stake			

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50#+.50#
3.00#+.75#
4.00#+1.00#

SERIAL NO. C6348875
DATE 6-27-96
TESTER DA

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.34	2.41	2.36		MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.21	2.26	2.44		
PULL #3	2.35	2.51	2.66		
PULL #4	2.30	2.45	2.45		
PULL #5	2.29	2.31	2.54		
TOTAL	11.49	11.94	12.45		
AVG.	2.29	2.38	2.49		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.18	3.05		
PULL #2	3.08	3.07		
PULL #3	3.08	2.93		
PULL #4	3.00	3.13		
PULL #5	2.93	3.07		
TOTAL	15.27	15.27		
AVG.	3.05	3.05		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.20	4.05		4.11
PULL #2	4.21	4.00		4.07
PULL #3	4.05	4.05		4.07
PULL #4	4.11	4.19		4.30
PULL #5	4.11	4.00		4.24
TOTAL	20.68	20.29		20.79
AVG.	4.13	4.05		4.15

CENTROIDAL DISTANCES

0 TO	1	.116108
1 TO	2	.239102
1 TO	3	.189452
1 TO	4	.187
1 TO	5	.213171

7E C-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -1.0011

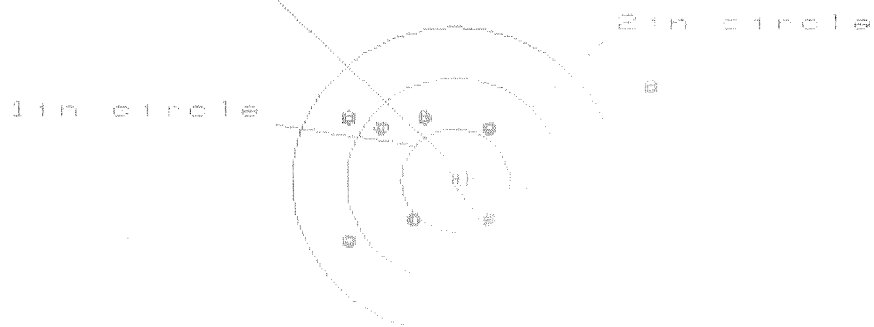
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0516
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .051614
THE AMR FOR THIS RIFLE IS: .8358

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C6340875

CENTERFIRE PATTERNS # 1

POA



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 8

HS= 2.765

VS= 2.687

GS= 3.166

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.786	.922	.961
MINIMUM X	-.979	-.780	-.742
MAXIMUM Y	.927	.723	.516
MINIMUM Y	-1.760	-1.657	-.651
CENTROID X	-.115	-.314	-.353
CENTROID Y	-.016	-.119	.088
POA TO CENTROID IN.	.116	.336	.363
MIN RADIUS	.554	.349	.517
MEAN RADIUS	1.007	.979	.755
MAX RADIUS	2.013	1.686	.982
HORIZONTAL SPREAD	2.765	1.782	1.782
VERTICAL SPREAD	2.687	2.380	1.167
EXTREME SPREAD	3.166	2.617	1.935
NUMBER IN ONE INCH CIRCLE	= 1	0	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	8	

1 Jan 1988

FILE: PATTERNING/CENTERFIRE_PATT/C6348875

CENTERFIRE PATTERNS # 2

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.523

VS= 1.760

GS= 2.559

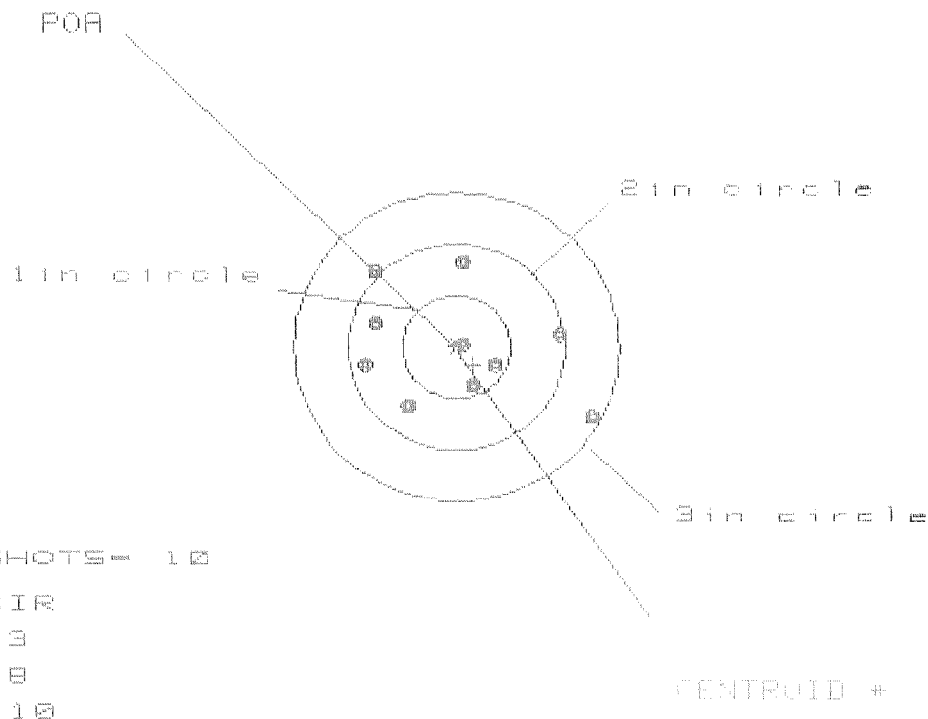
POA [] +

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	6
MAXIMUM X	1.350	1.271	1.404
MINIMUM X	-1.173	-1.023	-0.864
MAXIMUM Y	.920	.826	.738
MINIMUM Y	-.840	-.708	-.592
CENTROID X	.124	-.026	-.184
CENTROID Y	-.023	.071	.159
POA TO CENTROID in.	.126	.075	.244
MIN RADIUS	.371	.197	.041
MEAN RADIUS	.886	.745	.591
MAX RADIUS	1.590	1.454	1.409
HORIZONTAL SPREAD	2.523	2.294	2.269
VERTICAL SPREAD	1.760	1.534	1.330
EXTREME SPREAD	2.559	2.375	2.375
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		9	

1 Jan 1988

FILE:/PATTERNING/CENTERFIRE_PATT/C8346875

CENTERFIRE PATTERNS # 3



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 8

3 in = 10

HS = 2.179

VS = 1.505

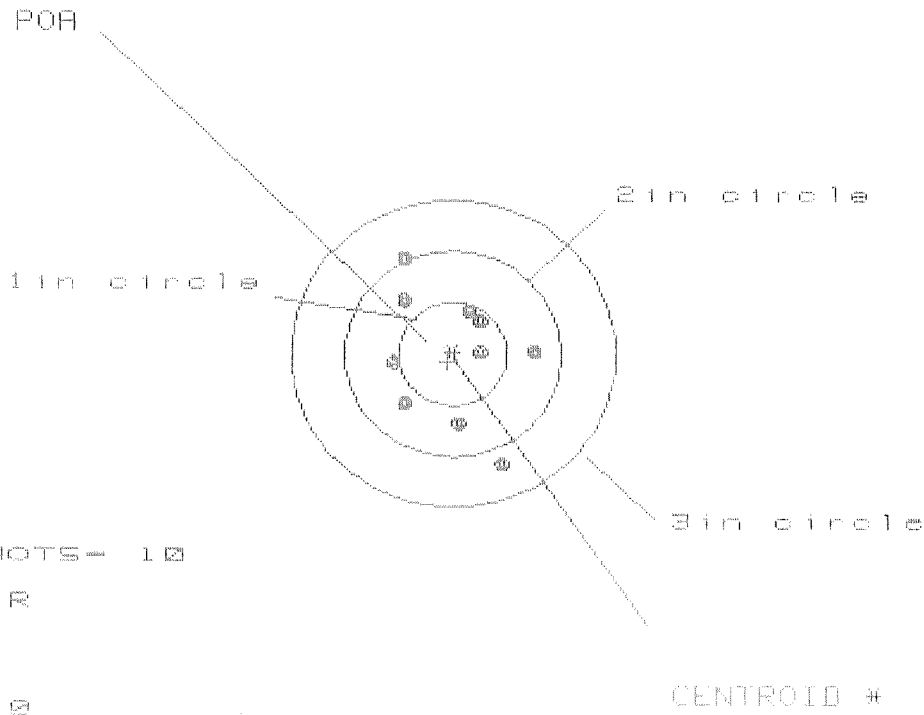
GS = 2.473

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.286	1.068	.992
MINIMUM X	-.893	-.750	-.826
MAXIMUM Y	.850	.777	.861
MINIMUM Y	-.655	-.663	-.579
CENTROID X	-.151	-.294	-.218
CENTROID Y	.170	.243	.159
POA TO CENTROID in.	.228	.381	.270
MIN RADIUS	.099	.254	.166
MEAN RADIUS	.755	.688	.637
MAX RADIUS	1.443	1.068	.997
HORIZONTAL SPREAD	2.179	1.818	1.818
VERTICAL SPREAD	1.505	1.440	1.440
EXTREME SPREAD	2.473	1.833	1.833
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

1 Jan 1968

FILE:/PATTERNING/CENTERFIRE_PATT/06348825

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 3

2in = 9

3in = 10

HS= 1.283

VS= 1.969

GS= 2.152

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.703	.754	.789
MINIMUM X	-.580	-.529	-.574
MAXIMUM Y	.888	.768	.511
MINIMUM Y	-1.081	-.802	-.706
CENTROID X	.050	-.001	.044
CENTROID Y	.072	.192	.096
POA TO CENTROID in.	.088	.192	.106
MIN RADIUS	.265	.340	.273
MEAN RADIUS	.661	.593	.556
MAX RADIUS	1.174	.848	.710
HORIZONTAL SPREAD	1.283	1.283	1.283
VERTICAL SPREAD	1.969	1.570	1.217
EXTREME SPREAD	2.152	1.640	1.338
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	9		
NUMBER IN THREE INCH CIRCLE =	10		

Scanned
09/50

GUN SERIAL #

C6348875

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	9 14	89	RW
600	Proof	9 14	89	RW
607	Check Headspace			RW
610	Dis-assemble Gun			RW
612	Magnaflux Barrel Action	9-14-89		KCR
	Magnaflux Bolt	9-14-89		KCR
615	Rollmark Caliber		9-15-89	GS
7	Drill and Tap Sight Holes	9 15	89	
618	Polish Barrel	9 15	89	
620	Apply Coatings (Barrel Action)		9-15-89	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		9/26/89	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		9/26/89	RW
	C) Inspect Ejector Hole for Chamfer		9/26/89	RW
	D) Oil Firing Pin Ass'y		9/26/89	RW
	E) Adjust Trigger Pull to Min Setting and Stake		9/26/89	GS

BARBER - M24 **M2400940462**

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 06348875

DATE 3-13-90

TESTER JH

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#	COMMENTS
PULL #1	2.42	2.41	2.38	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.34	2.33	2.44	
PULL #3	2.51	2.47	2.44	
PULL #4	2.45	2.40	2.39	
PULL #5	2.38	2.31	2.56	
TOTAL	12.10	11.92	12.11	
AVG.	2.42	2.384	2.422	

	3.00# INITIAL	3.00# AFTER 20 CYCLES	COMMENTS
PULL #1	3.27	3.14	
PULL #2	3.21	3.43	
PULL #3	3.57	3.44	
PULL #4	3.40	3.13	
PULL #5	3.47	3.34	
TOTAL	16.92	16.53	
AVG.	3.384	3.306	

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.03	4.21		
PULL #2	4.12	4.28		
PULL #3	4.14	4.30		
PULL #4	4.37	4.33		
PULL #5	4.05	4.04		
TOTAL	20.71	21.16		
AVG.	4.142	4.232		

Remington[®]

MODEL 700™ H24

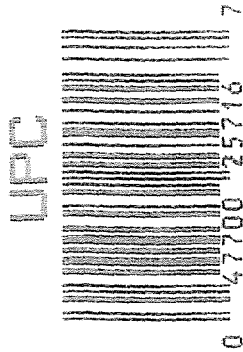
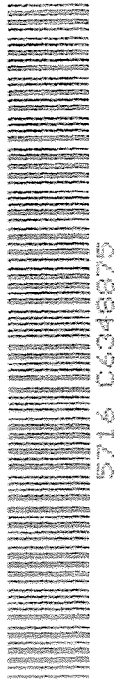
MADE IN ILLION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marquis Deposee.

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

UPPONT
REG. U.S. PAT. & T.M. OFF.

SERIAL NO.
C6348875

ORDER NO.
5716



Shaves brass
I
Doesn't ~~extract~~ ^{extract}
Polish Ejector Beam 10/23/89
Ejector Hole 10/23/89
PU Repaired OK AC
100 Rd

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6348875
5 Oct 1989

CENTROIDAL DISTANCES

0 TO	1	.596858
1 TO	2	.587872
1 TO	3	.760293
1 TO	4	.833228
1 TO	5	.720703

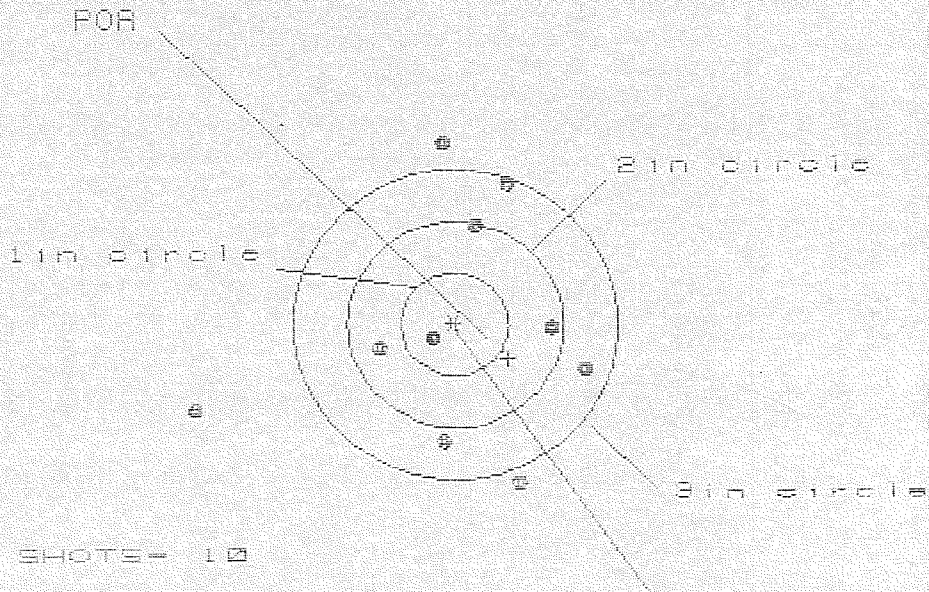
1 5
3 4 <---FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.0598
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0082
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0603596
THE AMR FOR THIS RIFLE IS: 1.118

5 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C884B875

CENTERFIRE PATTERNS # 1



OF SHOTS= 10

IN CIR

1 in = 1

2 in = 3

3 in = 7

HS= 3.601

VS= 3.266

GS= 3.618

CENTROID +

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.286	.973	.932
MINIMUM X	-2.365	-1.989	-1.038
MAXIMUM Y	1.765	1.678	1.490
MINIMUM Y	-1.501	-1.588	-1.379
CENTROID X	-.496	-.233	-.192
CENTROID Y	.332	.419	.210
POA TO CENTROID in.	.597	.480	.284
MIN RADIUS	.232	.506	.504
MEAN RADIUS	1.257	1.108	1.016
MAX RADIUS	2.492	1.700	1.498
HORIZONTAL SPREAD	3.601	1.902	1.962
VERTICAL SPREAD	3.266	3.266	2.050
EXTREME SPREAD	3.618	3.337	2.062
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

5 Oct 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06348875

CENTERFIRE PATTERNS # 2

POA

1 in circle

2 in circle

3 in circle

OF SHOTS- 10

IN CIR

1 in = 0

2 in = 6

3 in = 7

HS= 3.602

VS= 1.551

GS= 3.617

CENTROID #

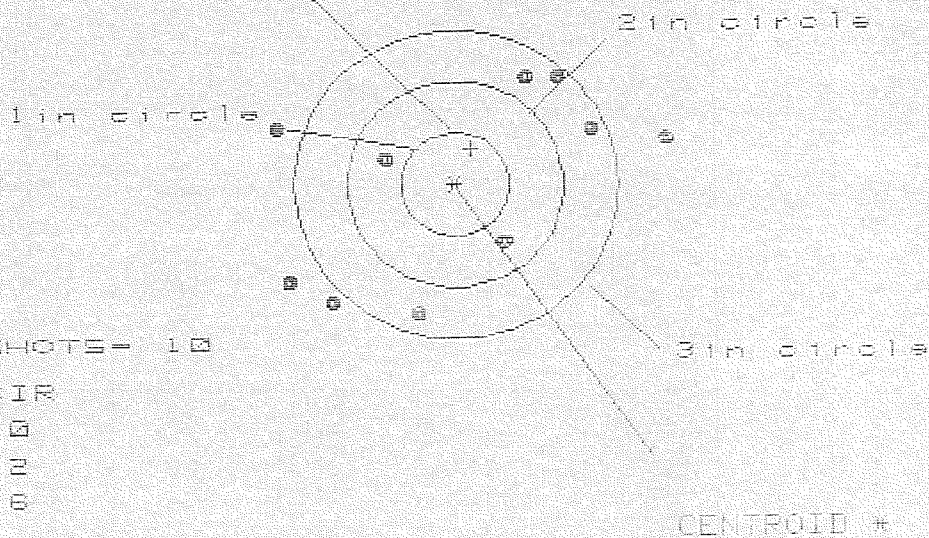
PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.756	1.551	.945
MINIMUM X	:	-1.846	-1.728	-1.534
MAXIMUM Y	:	.835	.834	.876
MINIMUM Y	:	-.716	-.717	-.675
CENTROID X	:	-.093	.112	-.082
CENTROID Y	:	-.096	-.095	-.137
POA TO CENTROID in.	:	.134	.147	.159
MIN RADIUS	:	.517	.573	.506
MEAN RADIUS	:	1.147	1.035	.975
MAX RADIUS	:	1.846	1.871	1.676
HORIZONTAL SPREAD	:	3.602	3.279	2.479
VERTICAL SPREAD	:	1.551	1.551	1.551
EXTREME SPREAD	:	3.617	3.442	2.682
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		7	

5 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348875

CENTERFIRE PATTERNS # 3

POB



OF SHOTS= 10

IN CIR

1 in = 0

2 in = 2

3 in = 6

HS= 3.618

VS= 2.264

GS= 3.735

PATTERN #

3

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.953

1.477

1.316

MINIMUM X

-1.665

-1.448

-1.609

MAXIMUM Y

1.022

1.072

.958

MINIMUM Y

-1.242

-1.192

-1.306

CENTROID X

-.156

-.367

-.206

CENTROID Y

-.345

-.395

-.281

POB TO CENTROID in.

.377

.539

.348

MIN RADIUS

.675

.559

.656

MEAN RADIUS

1.384

1.301

1.256

MAX RADIUS

2.003

1.610

1.684

HORIZONTAL SPREAD

3.618

2.925

2.925

VERTICAL SPREAD

2.264

2.264

2.264

EXTREME SPREAD

3.735

3.185

2.997

NUMBER IN ONE INCH CIRCLE =

0

NUMBER IN TWO INCH CIRCLE =

2

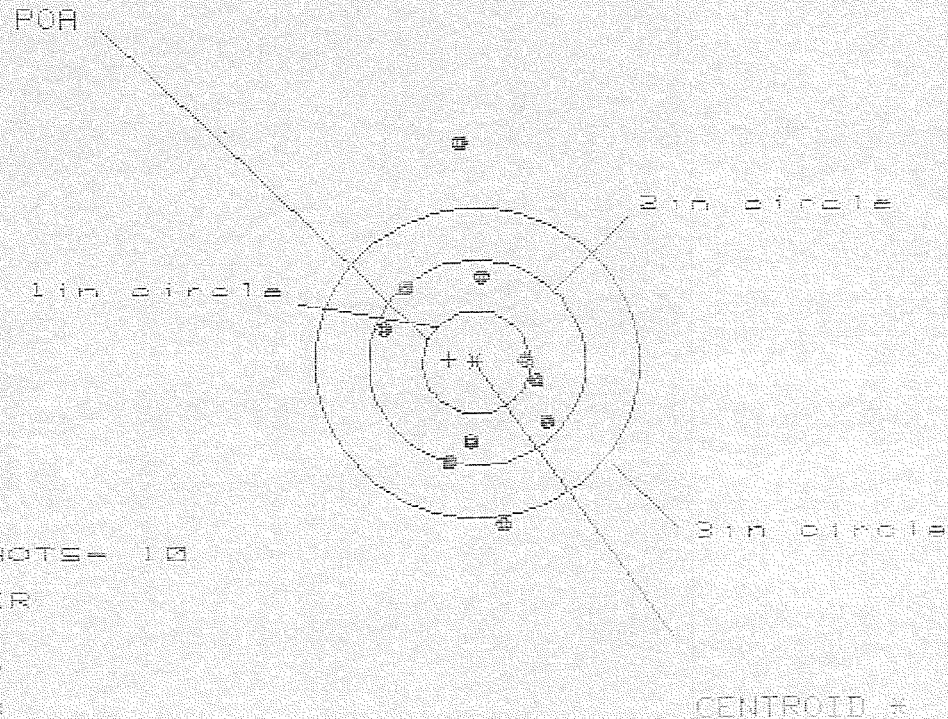
NUMBER IN THREE INCH CIRCLE =

6

5 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/06340875

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 7

3 in = 8

HS= 1.507

VS= 3.656

GS= 3.683

PATTERN #	1	4	9	8
SHOTS (BEST OF)	10	9	9	8
MAXIMUM X	.688	.666	.666	.694
MINIMUM X	-.819	-.841	-.841	-.813
MAXIMUM Y	2.129	1.031	1.031	.870
MINIMUM Y	-1.527	-1.290	-1.290	-.920
CENTROID X	.254	.275	.275	.247
CENTROID Y	-.031	-.268	-.268	-.107
POA TO CENTROID IN.	.255	.384	.384	.263
MIN RADIUS	.422	.494	.494	.443
MEAN RADIUS	.998	.844	.844	.783
MAX RADIUS	2.138	1.309	1.309	1.000
HORIZONTAL SPREAD	1.507	1.507	1.507	1.507
VERTICAL SPREAD	3.656	2.321	2.321	1.790
EXTREME SPREAD	3.683	2.405	2.405	1.862
NUMBER IN ONE INCH CIRCLE =		1	1	1
NUMBER IN TWO INCH CIRCLE =		7	7	7
NUMBER IN THREE INCH CIRCLE =		8	8	8

5 Oct 1989

FILE:/PATTERNING/CENTERFIRE_PATT/C6348875

CENTERFIRE PATTERNS

5

POA

1 in circle

2 in circle

3 in circle

OF SHOTS= 10

IN CIR

1 in = 2

2 in = 7

3 in = 8

HS= 1.952

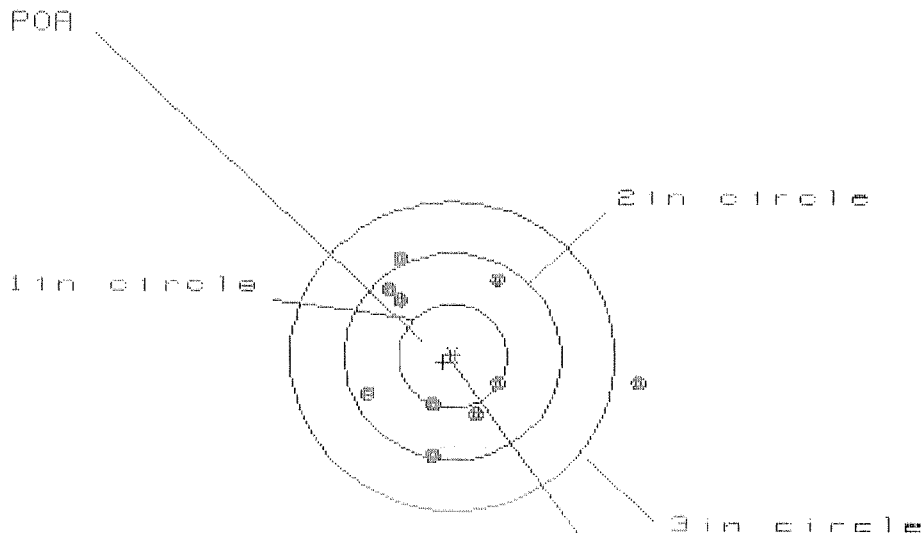
VS= 2.385

GS= 2.642

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.947
MINIMUM X	-1.005
MAXIMUM Y	1.122
MINIMUM Y	-1.263
CENTROID X	.186
CENTROID Y	.099
POA TO CENTROID in.	.211
MIN RADIUS	.367
MEAN RADIUS	.802
MAX RADIUS	1.614
HORIZONTAL SPREAD	1.952
VERTICAL SPREAD	2.385
EXTREME SPREAD	2.642
NUMBER IN ONE INCH CIRCLE =	2
NUMBER IN TWO INCH CIRCLE =	7
NUMBER IN THREE INCH CIRCLE =	9

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 8

3in = 9

HS= 2.512

VS= 1.866

GS= 2.515

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.689	.629	.588
MINIMUM X	:	-.823	-.636	-.677
MAXIMUM Y	:	.906	.873	.842
MINIMUM Y	:	-.960	-.993	-.884
CENTROID X	:	.086	-.101	-.060
CENTROID Y	:	.055	.088	-.021
POA TO CENTROID in.	:	.102	.134	.063
MIN RADIUS	:	.485	.475	.370
MEAN RADIUS	:	.870	.759	.722
MAX RADIUS	:	1.714	.994	1.006
HORIZONTAL SPREAD	:	2.512	1.265	1.265
VERTICAL SPREAD	:	1.866	1.866	1.726
EXTREME SPREAD	:	2.515	1.903	1.813
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		8	
NUMBER IN THREE INCH CIRCLE	=		9	