

C6349134

MODEL 700™ M24

Model SMS™

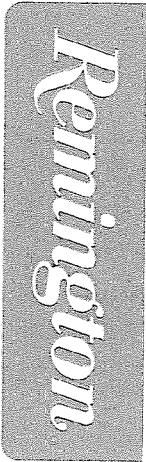
Action

Barrel Length

Capacity

Order No. 5716

*Includes 1 in chamber.



Repair Inquiry

Repair Number: RE00070653

Serial: C6349134 Model 700 Center Fire Caliber: 7
62 NATO M/24 SWS Produced: 06/19/1990

Repairman:

Verify Repair

High Priority

Status:

New 9/26/2003 2:12:11 PM

Address Information

Customer:

☒ Received From

Return To:

☐ Received From

Name: HHC 2 108 IN

HHC 2 108 IN

Address 1: 1700 PKWY ARMORY

1700 PKWY ARMORY

Address 2:

PO Box:

PO Box:

City: UTICA

UTICA

State: NY

Zip Code: 13501

Country: US

State: NY

Zip Code: 13501

Country: US

FFL:

Contact / Condition

Problems

Estimate

History / Status

Shipping / Billing

Contact Information

Phone: 315 724 1386 15

Fax:

Email:

Comments: EXT 16 OR 31 REM ORDER #003111

Received Condition

Good

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	Bi Pod	1
C000	FRT AND REAR BASI	1

Repair Search

Refresh

Close

naglej

9/29/2003

7:39 AM

CAPS

NUM

INS

SCRL

start

Inbox - Microsoft

Calendar - Microsoft

Microsoft Excel

Arms Services R...

7:39 AM

Serial Number: C6349134

Model: 700



RE00070653

R & E NUMBER	70653		
SERIAL NUMBER	C6349134		
LOG-IN DATE	9-26-03		
INSPECT AND VERIFY:			
OPERATION #	OPERATION NAME	DATE	INITIAL
550	DIS-ASSEMBLE GUN	10-1-03	RTL
560 A	RE-BARREL	10-7-03	RTL
B	DRILL AND TAP	10-9-03	TRW
575	ASSEMBLE	10-7-03	RTL
600	PROOF		
605	CHECK HEADSPACE	10-8-03	RTL
610	DIS-ASSEMBLE GUN	10-8-03	RTL
612	MAGNAFLUX		
615	ROLLMARK CALIBER	10-11-03	RB
618	ROTO-BLAST	10/13/2003	Dans.
620	APPLY COATINGS	10-14	TA
625 A	FINAL ASSEMBLY	10-22-03	RW
B	TRIGGER PULL TEST		
C	SAFETY "ON" FORCE		
D	SAFETY "OFF" FORCE		
E	FIRING PIN INDENT		
640	TARGET	10-24-03	TRW
655	FINAL INSPECT	10-25-03	RW
660	PACK	10-26-03	DA
		SHIP DATE	
QAR INSPECTION DATE			

SNIPER WEAPON SYSTEM - UNIQUE STATISTICAL INFORMATION

FIREARM SERIAL NUMBER / DATASET NAME: C6349134.___0
FILE DATE AND TIME: 10/24/2003 06:41

THE FOLLOWING DATA IS ALL REPORTED IN UNITS OF INCHES

The Average X Centroid of the Five Target Set:	0.005
The Average Y Centroid of the Five Target Set:	-0.013
The Average Point of Impact of the Five Target Set:	0.014
The Average Mean Radius of the Five Target Set:	0.718
The Distance from POA to Centroid Target #1:	0.050
The Distance from Centroid Target #2 to Centroid Target #1:	0.045
The Distance from Centroid Target #3 to Centroid Target #1:	0.168
The Distance from Centroid Target #4 to Centroid Target #1:	0.232
The Distance from Centroid Target #5 to Centroid Target #1:	0.253

SERIAL NUMBER: C6349134. 0

TARGET NUMBER: 1

FILE DATE: 10/24/2003

FILE TIME: 06:41

POINT#	X	Y
1:	0.916	-0.671
2:	1.203	0.356
3:	0.734	0.388
4:	0.326	-0.006
5:	-0.200	-0.436
6:	-0.070	0.048
7:	-0.291	-0.161
8:	-0.575	-0.528
9:	-0.526	0.332
10:	-1.429	0.186

X CENTROID: 0.009

Y CENTROID: -0.049

POA TO CENTROID: 0.050

HORZ SPREAD: 2.632

VERT SPREAD: 1.059

GROUP SPREAD: 2.637

MIN RADIUS: 0.125

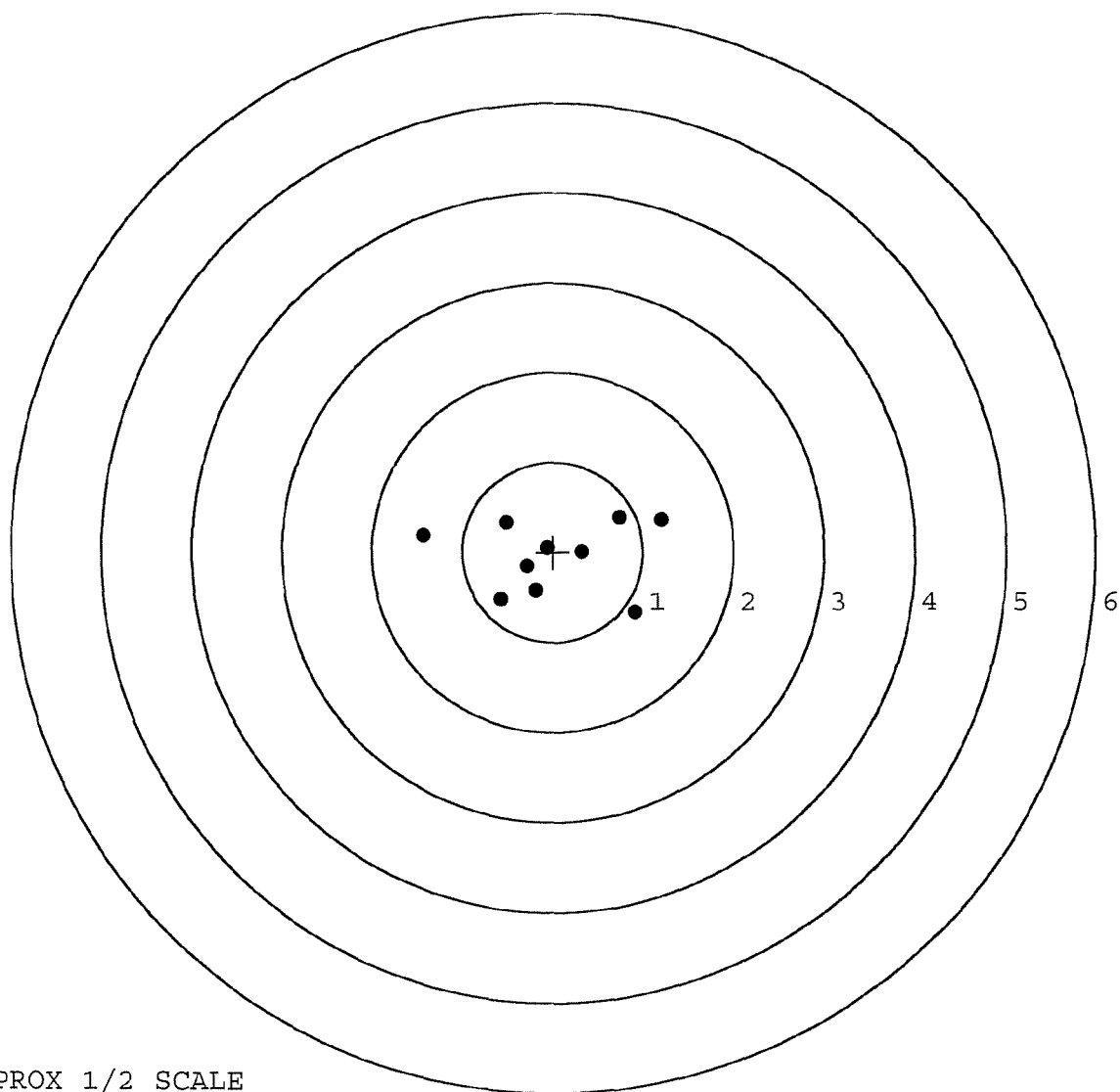
MAX RADIUS: 1.457

MEAN RADIUS: 0.728

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0108488

SERIAL NUMBER: C6349134. __0

TARGET NUMBER: 2

FILE DATE: 10/24/2003

FILE TIME: 06:41

POINT#	X	Y
1:	0.766	-0.569
2:	0.546	-0.429
3:	0.397	0.109
4:	0.313	-0.142
5:	0.007	-0.351
6:	-0.158	-0.445
7:	-0.353	-0.724
8:	-0.235	0.293
9:	-0.887	0.317
10:	-0.731	1.608

X CENTROID: -0.034

Y CENTROID: -0.033

POA TO CENTROID: 0.047

HORZ SPREAD: 1.653

VERT SPREAD: 2.332

GROUP SPREAD: 2.642

MIN RADIUS: 0.320

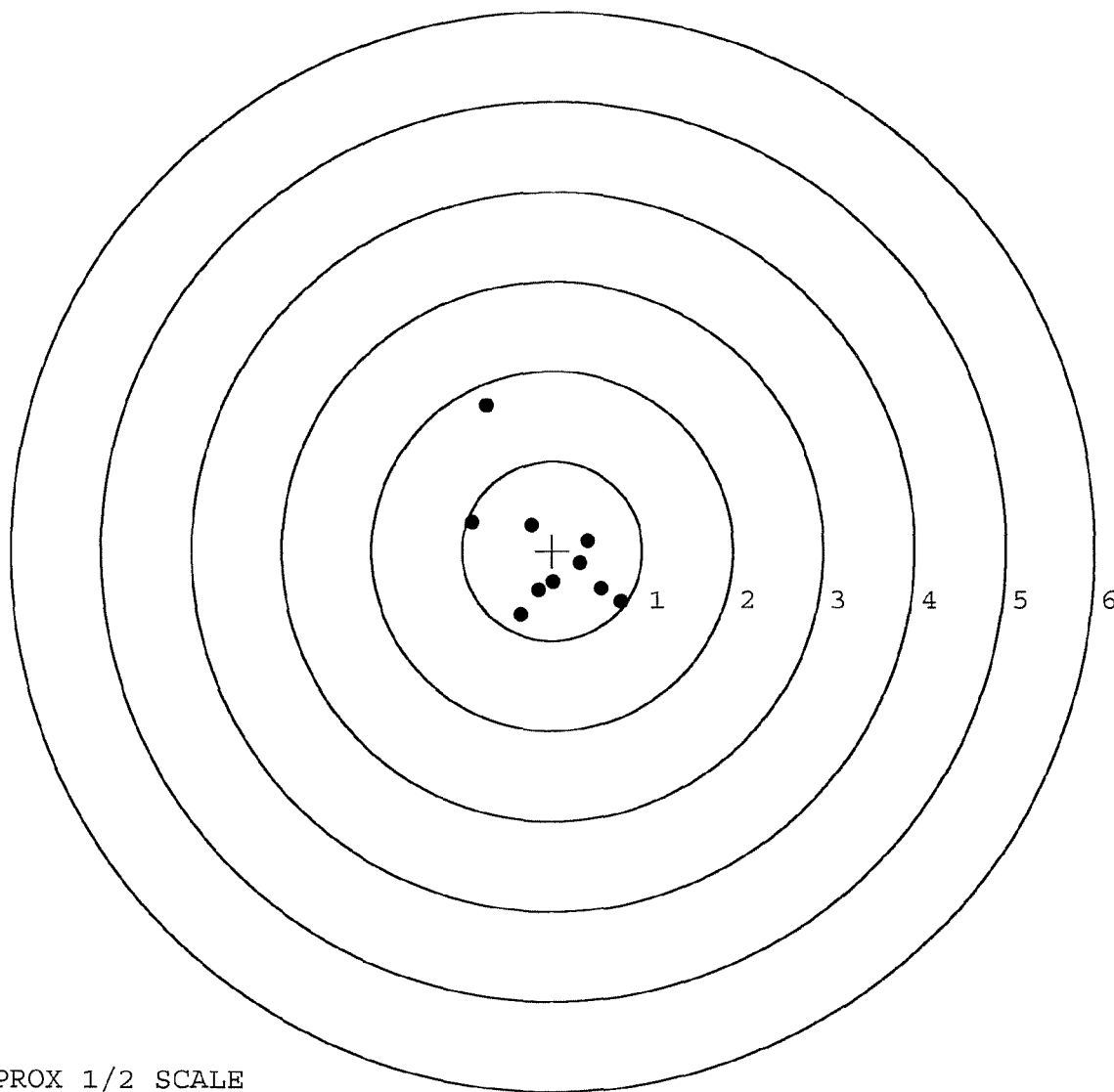
MAX RADIUS: 1.783

MEAN RADIUS: 0.708

IN 1 IN DIAMETER: 5

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 9



TARGET APPROX 1/2 SCALE

BARBER - M24 0108489

SERIAL NUMBER: C6349134. __ 0

TARGET NUMBER: 3

FILE DATE: 10/24/2003

FILE TIME: 06:41

POINT#	X	Y
1:	0.871	0.132
2:	0.646	0.199
3:	0.494	-0.710
4:	-0.206	-0.471
5:	-1.080	1.122
6:	-0.450	0.569
7:	-0.388	0.110
8:	-0.163	0.244
9:	-0.173	-0.008
10:	0.506	-0.003

X CENTROID: 0.006

Y CENTROID: 0.118

POA TO CENTROID: 0.119

HORZ SPREAD: 1.951

VERT SPREAD: 1.832

GROUP SPREAD: 2.415

MIN RADIUS: 0.210

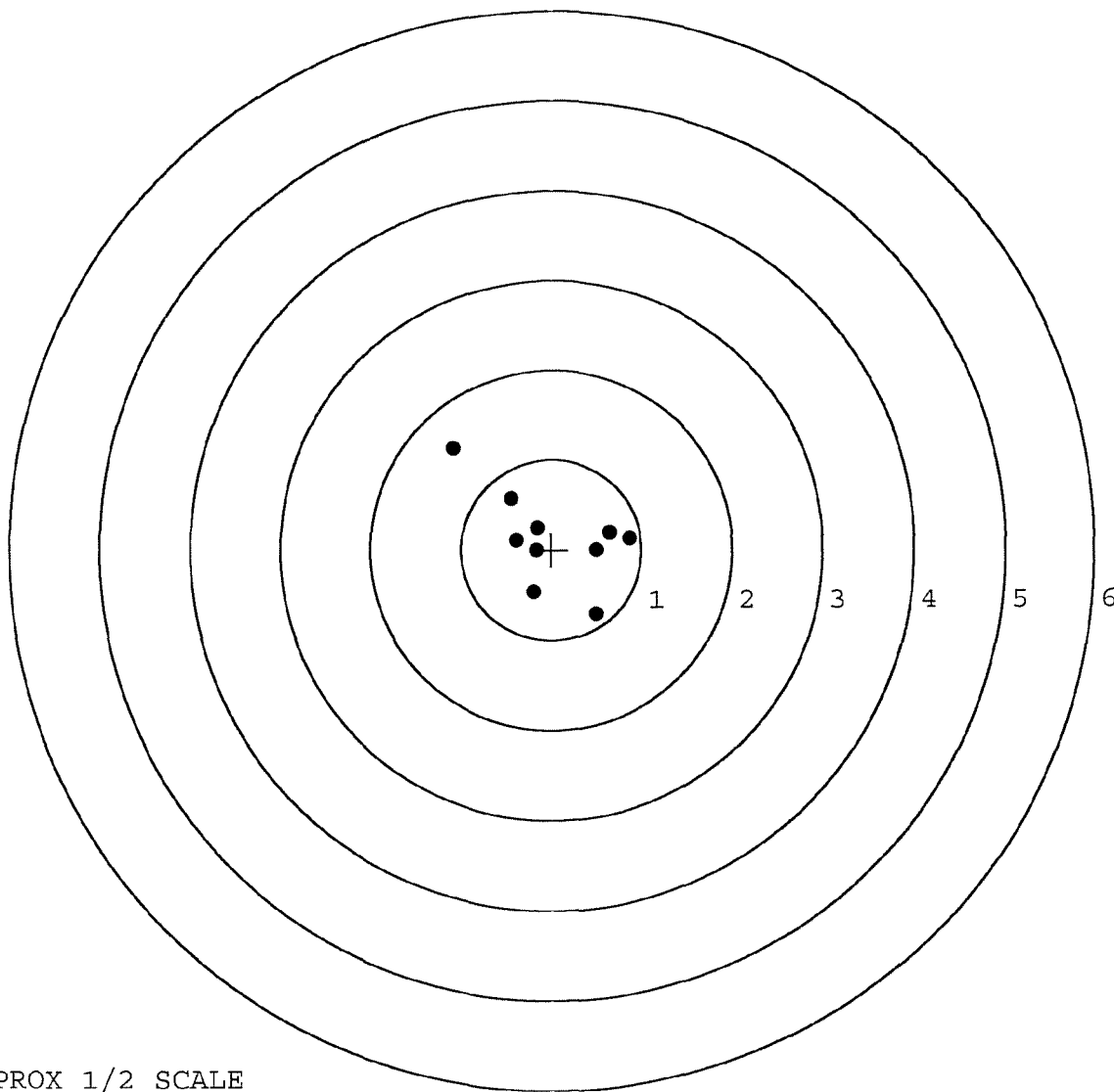
MAX RADIUS: 1.478

MEAN RADIUS: 0.656

IN 1 IN DIAMETER: 3

IN 2 IN DIAMETER: 9

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

BARBER - M24 0108490

SERIAL NUMBER: C6349134. __ 0

TARGET NUMBER: 4

FILE DATE: 10/24/2003

FILE TIME: 06:41

POINT#	X	Y
1:	0.414	-1.152
2:	-0.222	-1.019
3:	-0.009	-0.696
4:	0.430	-0.279
5:	-0.009	0.142
6:	-0.251	1.137
7:	-0.385	0.986
8:	-0.454	0.750
9:	-0.761	0.650
10:	-0.403	0.531

X CENTROID: -0.165

Y CENTROID: 0.105

POA TO CENTROID: 0.196

HORZ SPREAD: 1.191

VERT SPREAD: 2.289

GROUP SPREAD: 2.384

MIN RADIUS: 0.160

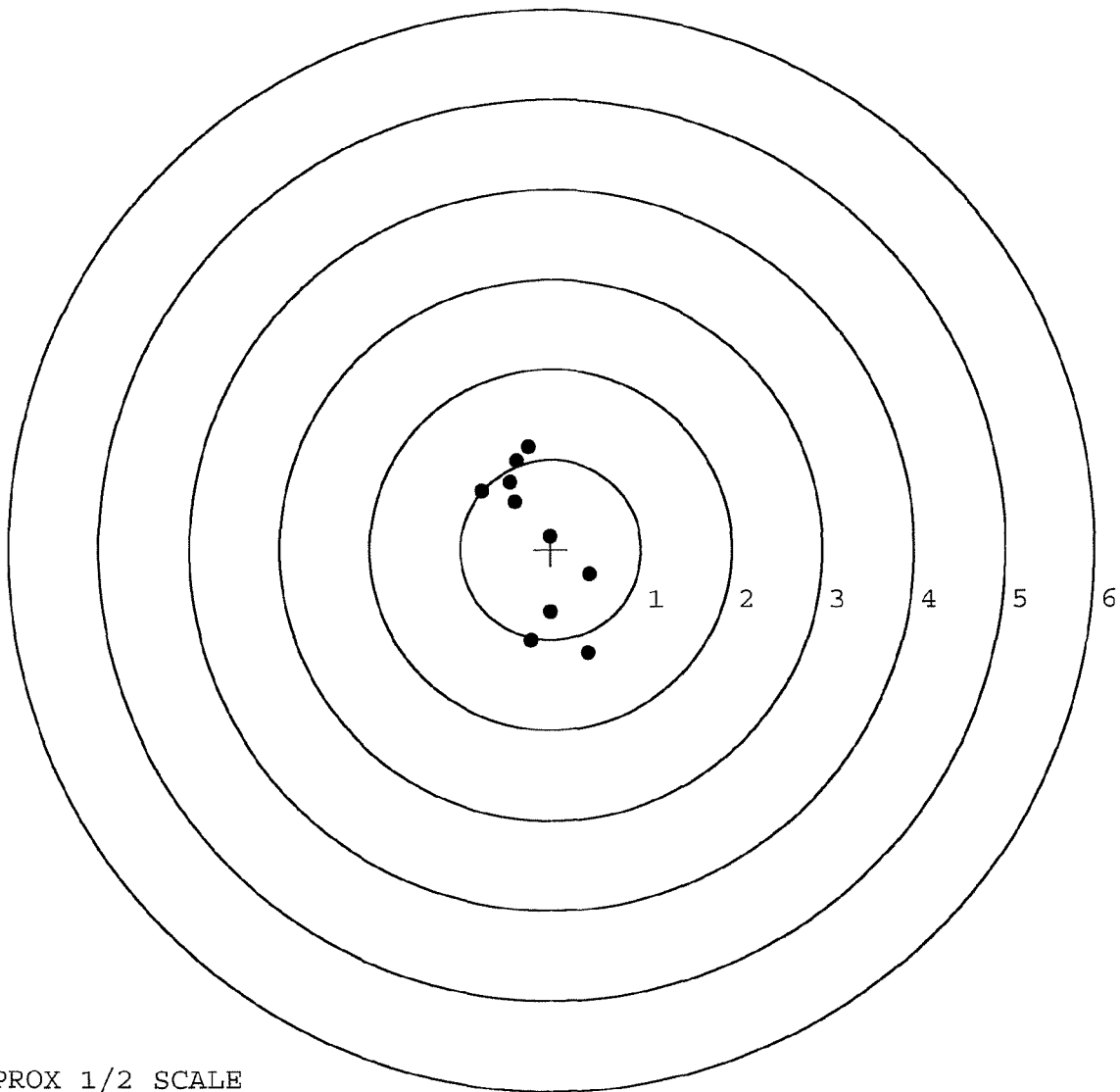
MAX RADIUS: 1.384

MEAN RADIUS: 0.814

IN 1 IN DIAMETER: 2

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 10



TARGET APPROX 1/2 SCALE

SERIAL NUMBER: C6349134. __0

TARGET NUMBER: 5

FILE DATE: 10/24/2003

FILE TIME: 06:41

X CENTROID: 0.208

Y CENTROID: -0.206

POA TO CENTROID: 0.292

HORZ SPREAD: 1.324

VERT SPREAD: 2.581

GROUP SPREAD: 2.602

MIN RADIUS: 0.067

MAX RADIUS: 1.527

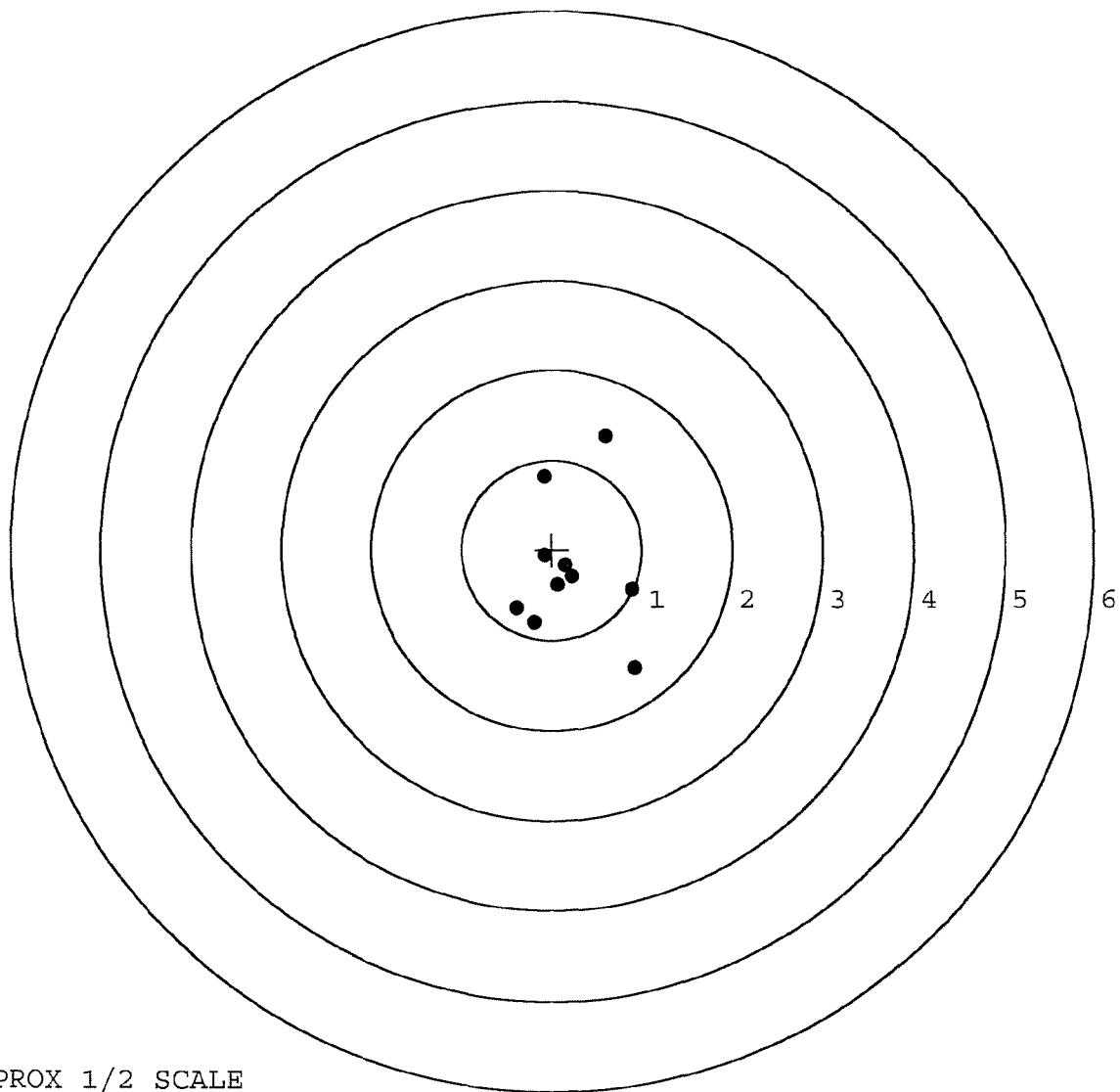
MEAN RADIUS: 0.684

IN 1 IN DIAMETER: 4

IN 2 IN DIAMETER: 7

in 3 IN DIAMETER: 9

POINT#	X	Y
1:	0.887	-0.446
2:	0.926	-1.311
3:	-0.091	0.819
4:	0.599	1.270
5:	-0.398	-0.647
6:	-0.201	-0.808
7:	0.063	-0.399
8:	0.226	-0.300
9:	0.149	-0.174
10:	-0.083	-0.061



TARGET APPROX 1/2 SCALE



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

MODEL 700TM H24

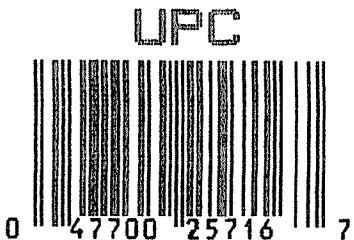
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off. Marca Registrada Marque Deposee.

01

SERIAL NO.	C6349134
ORDER NO.	5716



5716 C6349134



CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6349134

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	5 9	90	RW
600	Proof	5 9	90	RW
607	Check Headspace	5 9	90	RW
610	Dis-assemble Gun	5 9	90	RW
612	Magnaflux Barrel Action	5-15-90		KCR
	Magnaflux Bolt	5-15-90		KCR
615	Rollmark Caliber	5-15-90		GS
617	Drill and Tap Sight Holes	5-17-90		FB
618	Polish Barrel RB	5-17-90		WB
620	Apply Coatings (Barrel Action)		5-25-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		5/25/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		5/25/90	RW
	C) Inspect Ejector Hole for Chamfer		5/25/90	RW
	D) Oil Firing Pin Ass'y		5/25/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		6-4-90	HL

BARBER - M24 0108494							
op. #	OP. NAME	READINGS			DATE	INIT	
625 cont.	F) Safety On Force	4	4	4	6/5/90	gpl	
	G) Safety Off Force	3	3	3	6/5/90	gpl	
	H) Trigger Pull Test & Retainability				6-4-90	gpl	
	I) Firing Pin Indent	.025	.024	.024	6/5/90	gpl	
	J) Assemble Stock				6/6/90	RW	
	K) Assemble Swivel Studs				6-8-90	gpl	
	L) Attach Front and Rear Sight Assemblies				6/6/90	RW	
	M) Iron Sight Alignment				6/6/90	RW	
	N) Detach Front & Rear Sights & place in numbered container				6/6/90	RW	
	O) Attach Scope to Rifle				6/6/90	WB	
	P) Detach & Attach Scope 20 Times				6/6/90	WB	
640	Gallery Target & Test				6-7-90	AC	
	A) Time				6-7-90	AC	
	B) Malfunctions				6-7-90	AC	
	C) Pierced Primers				6-7-90	AC	
	D) Optical Clarity of Scope				6-7-90	AC	
645	Inspect for Live Ammo				6-7-90	AC	
655	Final Inspection						
	A) Headspace				6-8-90	gpl	
	B) Trigger Pull	250	262	262	259	253	6-8-90
	C) Function				6-8-90	gpl	
660	Pack				6-9-90	DH	

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6349134

DATE 6-4-80

TESTER JU

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.43	2.17	2.33	250	MIN. SETTING,
PULL #2	2.37	2.16	2.47	262	NO AVG. OF 5
PULL #3	2.13	2.43	2.29	262	READINGS ACCEPT-
PULL #4	2.15	2.28	2.24	259	ABLE LESS THAN 2#
PULL #5	2.23	2.25	2.36	253	
TOTAL	11.31	11.29	11.69		
AVG.	2.262	2.258	2.338		

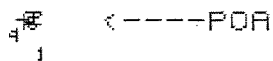
	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.27	3.35		
PULL #2	3.24	3.25		
PULL #3	3.24	3.29		
PULL #4	3.29	3.29		
PULL #5	3.31	3.48		
TOTAL	16.35	16.66		
AVG.	3.27	3.332		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.23	4.24		4.12
PULL #2	4.30	4.26		4.24
PULL #3	4.25	4.24		4.20
PULL #4	4.26	4.39		4.15
PULL #5	4.30	4.29		4.15
TOTAL	21.34	21.39		20.86
AVG.	4.268	4.278		4.172

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6349134
7 Jun 1990

CENTROIDAL DISTANCES

Ø TO	1	.682895
1 TO	2	.684352
1 TO	3	.703126
1 TO	4	.600354
1 TO	5	.585075

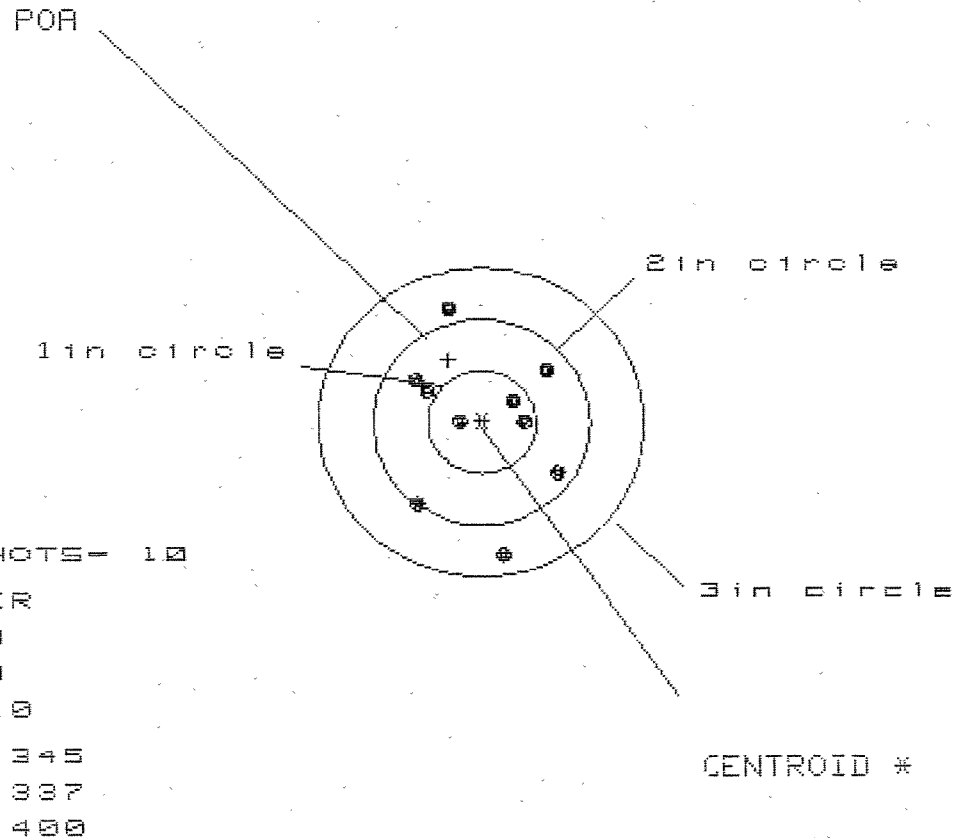
 <----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1424
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1496
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .206533
THE AMR FOR THIS RIFLE IS: .9242

7 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349134

CENTERFIRE PATTERNS # 1

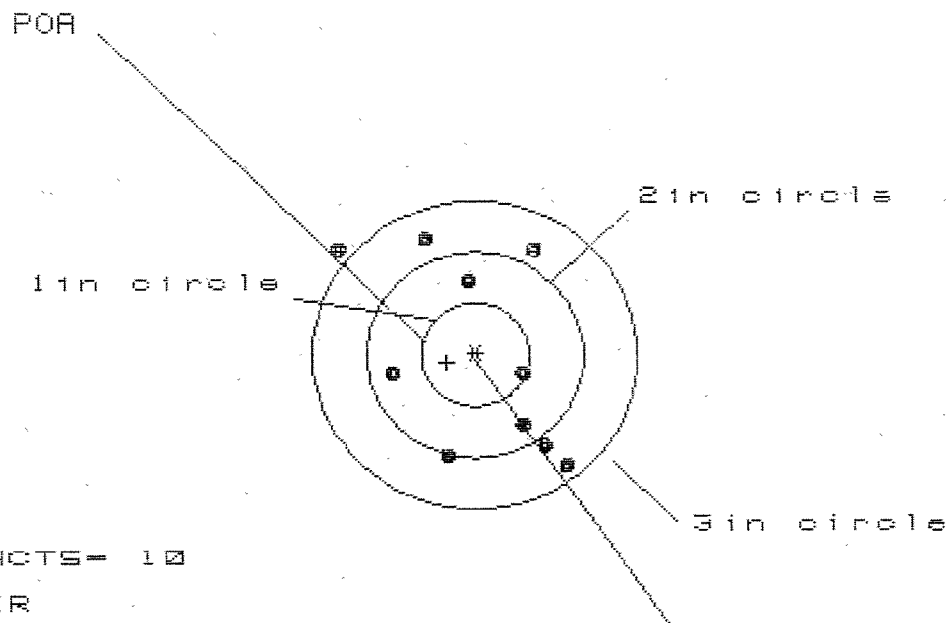


PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.705	.728	.689
MINIMUM X	-.640	-.617	-.656
MAXIMUM Y	1.072	.932	.532
MINIMUM Y	-1.265	-.942	-.826
CENTROID X	.305	.282	.321
CENTROID Y	-.611	-.471	-.587
POA TO CENTROID in.	.683	.549	.669
MIN RADIUS	.219	.230	.234
MEAN RADIUS	.734	.657	.614
MAX RADIUS	1.282	1.085	1.008
HORIZONTAL SPREAD	1.345	1.345	1.345
VERTICAL SPREAD	2.337	1.874	1.358
EXTREME SPREAD	2.400	1.887	1.800
NUMBER IN ONE INCH CIRCLE =	3		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

7 Jun 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C6349134

CENTERFIRE PATTERNS # 2



OF SHOTS = 10

IN CIR

1in = 1

2in = 4

3in = 9

HS = 2.104

VS = 2.240

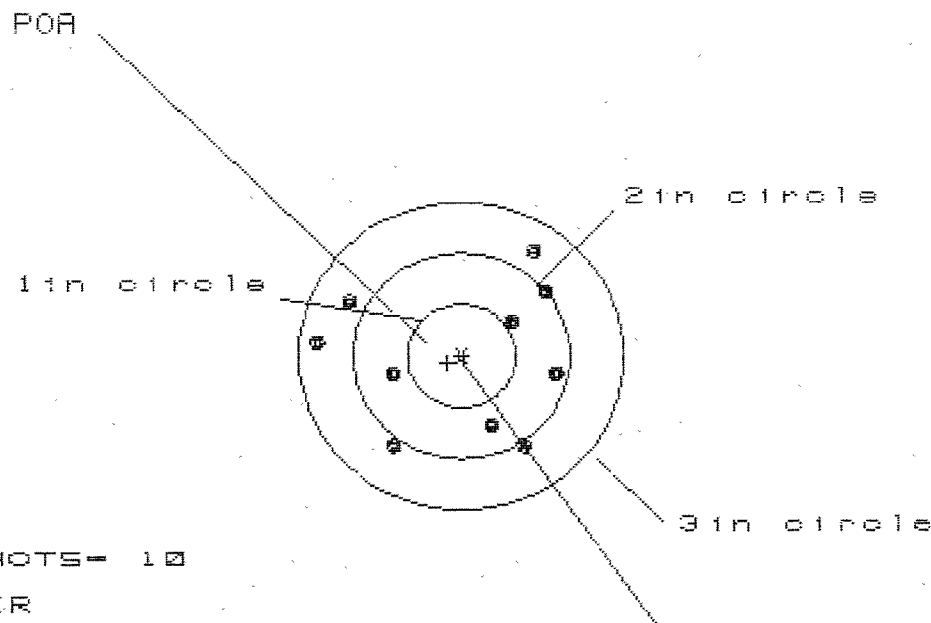
GS = 3.035

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.827	.685	.544
MINIMUM X	:	-1.277	-.916	-.831
MAXIMUM Y	:	1.124	1.243	1.118
MINIMUM Y	:	-1.116	-.997	-1.019
CENTROID X	:	.262	.404	.319
CENTROID Y	:	.072	-.047	.078
POA TO CENTROID in.	:	.272	.407	.328
MIN RADIUS	:	.424	.253	.375
MEAN RADIUS	:	1.030	.928	.901
MAX RADIUS	:	1.667	1.388	1.238
HORIZONTAL SPREAD	:	2.104	1.601	1.375
VERTICAL SPREAD	:	2.240	2.240	2.137
EXTREME SPREAD	:	3.035	2.591	2.265
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			9	

7 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349134

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 0

2in = 4

3in = 10

HS= 2.163

VS= 1.975

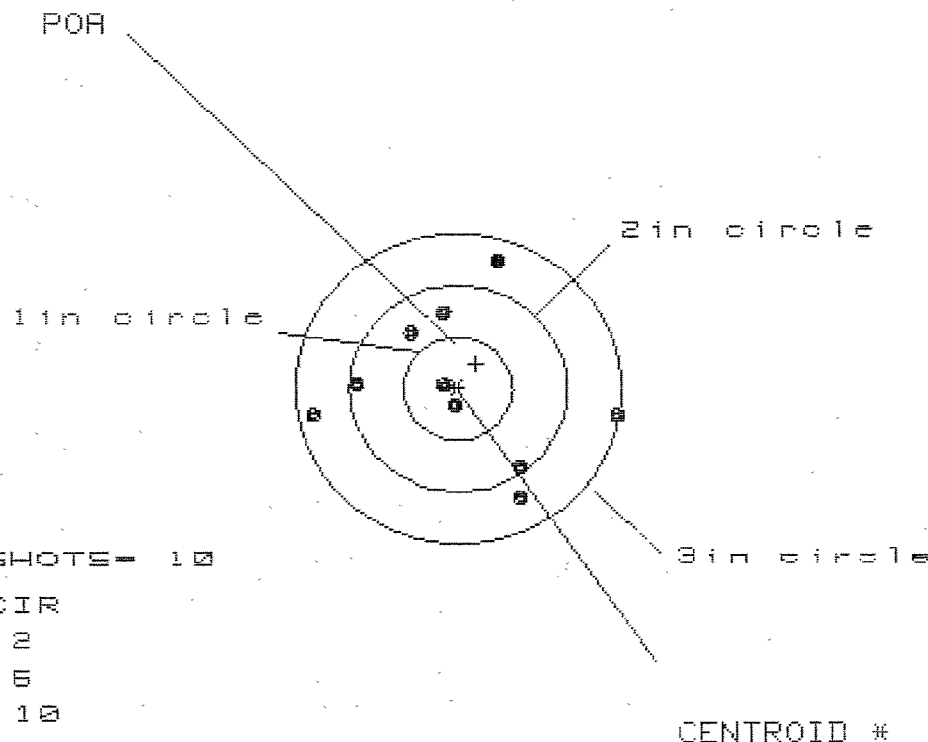
GS= 2.339

PATTERN #	3		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.840	.693	.760
MINIMUM X	-1.323	-1.220	-1.153
MAXIMUM Y	1.056	1.075	.814
MINIMUM Y	-.919	-.900	-.766
CENTROID X	.130	.277	.210
CENTROID Y	.070	.051	-.083
POA TO CENTROID in.	.148	.282	.226
MIN RADIUS	.617	.514	.500
MEAN RADIUS	.982	.922	.877
MAX RADIUS	1.334	1.342	1.345
HORIZONTAL SPREAD	2.163	1.913	1.913
VERTICAL SPREAD	1.975	1.975	1.580
EXTREME SPREAD	2.339	2.339	2.219
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		4	
NUMBER IN THREE INCH CIRCLE =		10	

7 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349134

CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1in = 2

2in = 5

3in = 10

HS= 2.819

VS= 2.259

GS= 2.819

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.451	.754	.603
MINIMUM X	-1.368	-1.207	-.885
MAXIMUM Y	1.192	1.164	1.133
MINIMUM Y	-1.067	-1.095	-1.126
CENTROID X	-.167	-.328	-.177
CENTROID Y	-.240	-.212	-.181
POA TO CENTROID in.	.292	.390	.253
MIN RADIUS	.106	.058	.099
MEAN RADIUS	.893	.804	.756
MAX RADIUS	1.473	1.330	1.277
HORIZONTAL SPREAD	2.819	1.961	1.488
VERTICAL SPREAD	2.259	2.259	2.259
EXTREME SPREAD	2.819	2.270	2.270
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

7 Jun 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6349134

CENTERFIRE PATTERNS

5

POA

1in circle

2in circle

3in circle

OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 10

HS= 2.312

VS= 1.808

GS= 2.450

CENTROID *

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	.948
MINIMUM X	-1.364
MAXIMUM Y	1.003
MINIMUM Y	-.805
CENTROID X	.182
CENTROID Y	-.039
POA TO CENTROID in.	.186
MIN RADIUS	.542
MEAN RADIUS	.982
MAX RADIUS	1.412
HORIZONTAL SPREAD	2.312
VERTICAL SPREAD	1.808
EXTREME SPREAD	2.450
NUMBER IN ONE INCH CIRCLE =	0
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	10