

C6522199

MODEL 700TM M24

Model **SMS**TM

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

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

Remington®

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

DUPONT

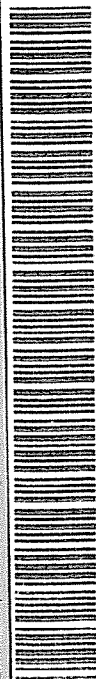
MODEL 700™ M24

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

SERIAL NO.
C6522199

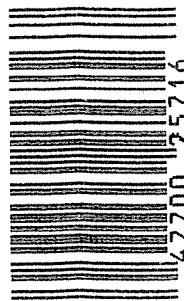
ORDER NO.
5716

01



5716 C6522199

UPC



7

0

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522199
FBI 1998

CENTROIDAL DISTANCES

0 TO	1	.0854751
1 TO	2	.153395
1 TO	3	.10519
1 TO	4	.160112
1 TO	5	.0411096

✱ <----POA

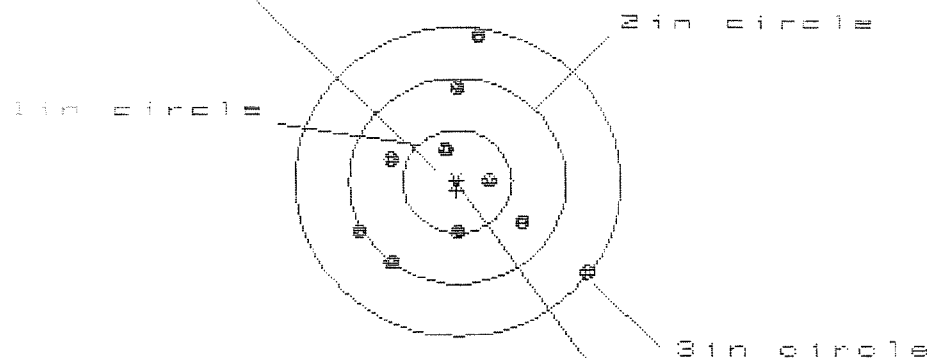
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .0194
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0532
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .0566268
THE AMP FOR THIS RIFLE IS: .7892

8 Sep 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522193

CENTERFIRE PATTERNS # 1

PCP



OF SHOTS = 10

IN CIR

1 in = 3

2 in = 6

3 in = 10

HS = 2.118

VS = 2.339

GS = 2.531

CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.204	.683	.729
MINIMUM X	-.914	-.780	-.734
MAXIMUM Y	1.458	1.360	.939
MINIMUM Y	-.881	-.900	-.730
CENTROID X	.009	-.125	-.171
CENTROID Y	.085	.183	.013
PCP TO CENTROID in.	.086	.222	.172
MIN RADIUS	.281	.260	.432
MEAN RADIUS	.830	.749	.661
MAX RADIUS	1.492	1.409	.954
HORIZONTAL SPREAD	2.118	1.463	1.463
VERTICAL SPREAD	2.339	2.260	1.669
EXTREME SPREAD	2.531	2.417	1.778
NUMBER IN ONE INCH CIRCLE =		3	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

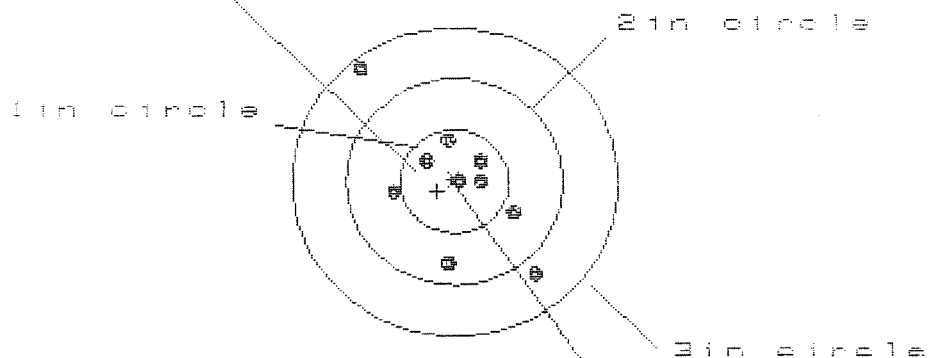
8 Sep 1988

FILE:/PATTERNING/CENTERFIRE_PATT/06522193

CENTERFIRE PATTERNS

2

POA



OF SHOTS = 10

IN CIR

1 in = 5

2 in = 8

3 in = 10

HS = 1.585

VS = 2.068

GS = 2.606

CENTROID *

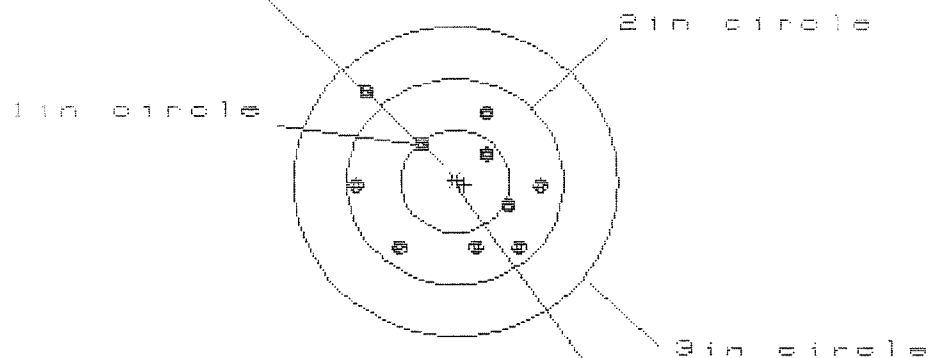
PATTERN #	2	3	4
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.754	.661	.511
MINIMUM X	-.832	-.661	-.578
MAXIMUM Y	1.137	.580	.479
MINIMUM Y	-.931	-.804	-.738
CENTROID X	.162	.255	.172
CENTROID Y	.096	-.031	.070
POA TO CENTROID in.	.189	.257	.186
MIN RADIUS	.005	.157	.027
MEAN RADIUS	.601	.523	.429
MAX RADIUS	1.409	1.041	.738
HORIZONTAL SPREAD	1.585	1.322	1.089
VERTICAL SPREAD	2.068	1.384	1.217
EXTREME SPREAD	2.606	1.617	1.218
NUMBER IN ONE INCH CIRCLE =	5		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 3

FOR



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 9

3 in = 10

HS= 1.767

VS= 1.469

GS= 2.004

CENTROID *

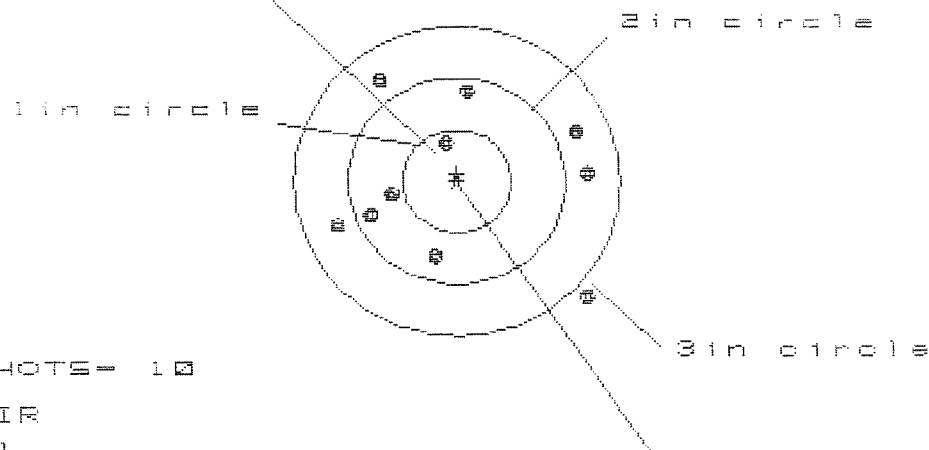
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.831	.739	.610
MINIMUM X	:	-.935	-1.028	-.724
MAXIMUM Y	:	.820	.724	.729
MINIMUM Y	:	-.649	-.557	-.552
CENTROID X	:	-.083	.009	.138
CENTROID Y	:	.034	-.058	-.063
FOR TO CENTROID in.	:	.090	.058	.152
MIN RADIUS	:	.396	.431	.310
MEAN RADIUS	:	.732	.667	.599
MAX RADIUS	:	1.170	1.029	.910
HORIZONTAL SPREAD	:	1.767	1.767	1.334
VERTICAL SPREAD	:	1.469	1.281	1.281
EXTREME SPREAD	:	2.004	1.767	1.493
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		9	
NUMBER IN THREE INCH CIRCLE	=		10	

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CENTERFIRE PATTERNS # 4

FOR



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.266

VS= 2.128

GS= 2.887

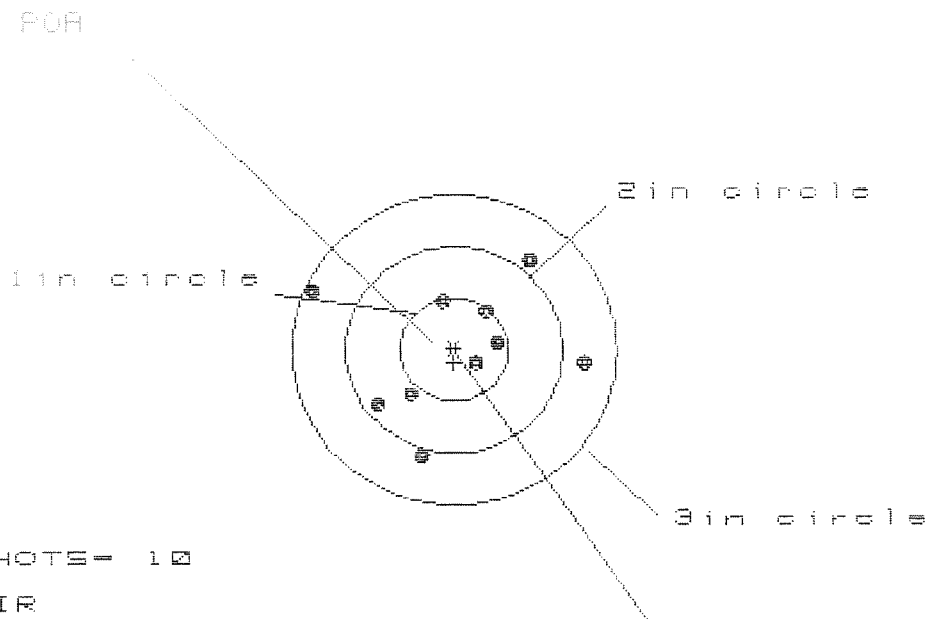
CENTROID *

PATTERN #	4		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.209	1.299	1.223
MINIMUM X	-1.057	-.922	-.998
MAXIMUM Y	1.002	.876	.898
MINIMUM Y	-1.126	-.890	-.780
CENTROID X	.003	-.132	-.056
CENTROID Y	-.075	.051	-.059
FOR TO CENTROID in.	.075	.141	.081
MIN RADIUS	.354	.217	.327
MEAN RADIUS	.996	.889	.873
MAX RADIUS	1.653	1.300	1.223
HORIZONTAL SPREAD	2.266	2.221	2.221
VERTICAL SPREAD	2.128	1.766	1.678
EXTREME SPREAD	2.887	2.306	2.306
NUMBER IN ONE INCH CIRCLE =		1	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		9	

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CENTERFIRE PATTERNS # 5



OF SHOTS = 10

IN CIR

1in = 4

2in = 5

3in = 10

HS = 2.540

VS = 1.908

ES = 2.634

CENTROID #

PATTERN #	5		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.243	1.099	.684
MINIMUM X	-1.297	-.850	-.712
MAXIMUM Y	.838	.898	.886
MINIMUM Y	-1.070	-1.010	-1.021
CENTROID X	.006	.150	.012
CENTROID Y	.126	.066	.077
POA TO CENTROID in.	.126	.164	.079
MIN RADIUS	.254	.121	.218
MEAN RADIUS	.787	.697	.651
MAX RADIUS	1.406	1.103	1.120
HORIZONTAL SPREAD	2.540	1.949	1.397
VERTICAL SPREAD	1.908	1.908	1.908
EXTREME SPREAD	2.634	2.139	2.139
NUMBER IN ONE INCH CIRCLE =		4	
NUMBER IN TWO INCH CIRCLE =		6	
NUMBER IN THREE INCH CIRCLE =		10	

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO C6522199

DATE 8/28/90

TESTER J.P.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.29	2.15	2.30	224	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.20	2.18	2.21	236	
PULL #3	2.26	2.14	2.20	229	
PULL #4	2.22	2.23	2.23	239	
PULL #5	2.16	2.20	2.19	234	
TOTAL	11.13	10.90	11.13		
AVG.	2.226	2.18	2.226		

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.28	3.31		
PULL #2	3.31	3.28		
PULL #3	3.12	3.30		
PULL #4	3.30	3.33		
PULL #5	3.27	3.30		
TOTAL	16.28	16.52		
AVG.	3.256	3.304		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.16		4.15
PULL #2	4.23	4.17		4.15
PULL #3	4.19	4.24		4.18
PULL #4	4.14	4.04		4.15
PULL #5	4.15	4.22		4.16
TOTAL	20.82	20.83		20.79
AVG.	4.164	4.166		4.158

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6522199

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock	8 2	90	RW
600	Proof	8 2	90	RW
607	Check Headspace	8 2	90	RW
610	Dis-assemble Gun	8 2	90	RW
612	Magnaflux Barrel Action		8/7/90	KR
	Magnaflux Bolt		8/7/90	KR
615	Rollmark Caliber		8/7/90	g.g.
617	Drill and Tap Sight Holes		8/10/90	FB
618	Polish Barrel RB		8/14/90	WB
620	Apply Coatings (Barrel Action)		8/22/90	JA
	Apply Coating (Bolt)			
625	Final Assembly			
	A) Clean inside of Bolt Assembly		8/24/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/24/90	RW
	C) Inspect Ejector Hole for Chamfer		8/24/90	RW
	D) Oil Firing Pin Ass'y		8/24/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		8/28/90	HL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	4 3/4	4 3/4	4 3/4			8/28/90	WB
	G) Safety Off Force	2 1/2	2 1/2	2 1/2			8/28/90	WB
	H) Trigger Pull Test & Retainability						8/28/90	GM
	I) Firing Pin Indent	.0225	.023	.0225			8/28/90	WB
	J) Assemble Stock						9/6/90	RW
	K) Assemble Swivel Studs						9/9/90	Q28
	L) Attach Front and Rear Sight Assemblies						9/6/90	RW
	M) Iron Sight Alignment						9/6/90	RW
	N) Detach Front & Rear Sights & place in numbered container						9/6/90	RW
	O) Attach Scope to Rifle						9/6/90	RW
	P) Detach & Attach Scope 20 Times						9/6/90	RW
644	Gallery Target & Test						9/8/90	AF
	A) Time						9/8/90	AF
	B) Malfunctions						9/8/90	AF
	C) Pierced Primers						9/8/90	AF
	D) Optical Clarity of Scope						9/8/90	AF
645	Inspect for Live Ammo						9/8/90	AF
655	Final Inspection							
	A) Headspace						9/9/90	Q28
	B) Trigger Pull	224	236	229	239	234	9/9/90	Q28
	C) Function						9/9/90	Q28
660	Pack						9-18-90	GM