

C6522175

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.



Smeal®

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

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

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

MODEL 700™ H24

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

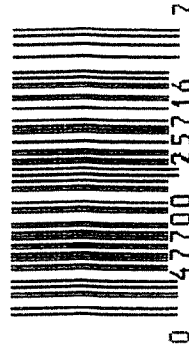
SERIAL NO.
C6522175

ORDER NO.
5716

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5716 C6522175

UPC



M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522175

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		7/9/90	KJ
600	Proof		7/9/90	KJ
607	Check Headspace		7/9/90	KJ
610	Dis-assemble Gun		7/9/90	KJ
612	Magnaflux Barrel Action		7-17-90	KR
	Magnaflux Bolt		7-17-90	KR
615	Rollmark Caliber		7-17-90	GL
617	Drill and Tap Sight Holes		7/23/90	FB
618	Polish Barrel <i>RB</i>		7/24/90	WB
620	Apply Coatings (Barrel Action)		8-6-90	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		8/16/90	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/16/90	KS
	C) Inspect Ejector Hole for Chamfer		8/16/90	KS
	D) Oil Firing Pin Ass'y		8/16/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		8/21/90	JH

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			8/20/90	JH
	G) Safety Off Force	3	3	3			8/20/90	JH
	H) Trigger Pull Test & Retainability						8/21/90	JH
	I) Firing Pin Indent	1023	1023	1023			8/20/90	JH
	J) Assemble Stock						8/17/90	KS
	K) Assemble Swivel Studs						8/17/90 8/17/90	KS
	L) Attach Front and Rear Sight Assemblies						8/17/90	KS
	M) Iron Sight Alignment						8/17/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/17/90	KS
	O) Attach Scope to Rifle						8/17/90	KS
	P) Detach & Attach Scope 20 Times						8/17/90	KS
640	Gallery Target & Test						8/20/90	K1
	A) Time						8/20/90	K2
	B) Malfunctions						8/20/90	K2
	C) Pierced Primers						8/20/90	K2
	D) Optical Clarity of Scope						8/20/90	K2
645	Inspect for Live Ammo						8/20/90	JH
655	Final Inspection						8/29/90	JH
	A) Headspace						8/29/90	JH
	B) Trigger Pull	2.44	2.50	2.42	2.44	2.51	8/21/90	JH
	C) Function						8/29/90	JH
660	Pack						9/19/90	NE

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. 66522175

DATE 8/21/90

TESTER JH.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.48	2.38	2.51	2.44	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.31	2.38	2.39	2.50	
PULL #3	2.29	2.42	2.42	2.42	
PULL #4	2.41	2.47	2.44	2.44	
PULL #5	2.40	2.50	2.44	2.51	
TOTAL	11.89	12.15	12.20	12.31	
AVG.	2.378	2.43	2.44	2.462	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.43	3.12		
PULL #2	3.16	3.10		
PULL #3	3.12	3.24		
PULL #4	3.16	3.11		
PULL #5	3.16	3.24		
TOTAL	16.03	15.81		
AVG.	3.206	3.162		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.37	4.37		4.29
PULL #2	4.29	4.32		4.39
PULL #3	4.33	4.31		4.33
PULL #4	4.31	4.32		4.30
PULL #5	4.39	4.29		4.31
TOTAL	21.66	21.61		21.62
AVG.	4.332	4.322		4.324

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # 06522175
21 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.43983
1 TO	2	.353975
1 TO	3	.562853
1 TO	4	.0900222
1 TO	5	.481486



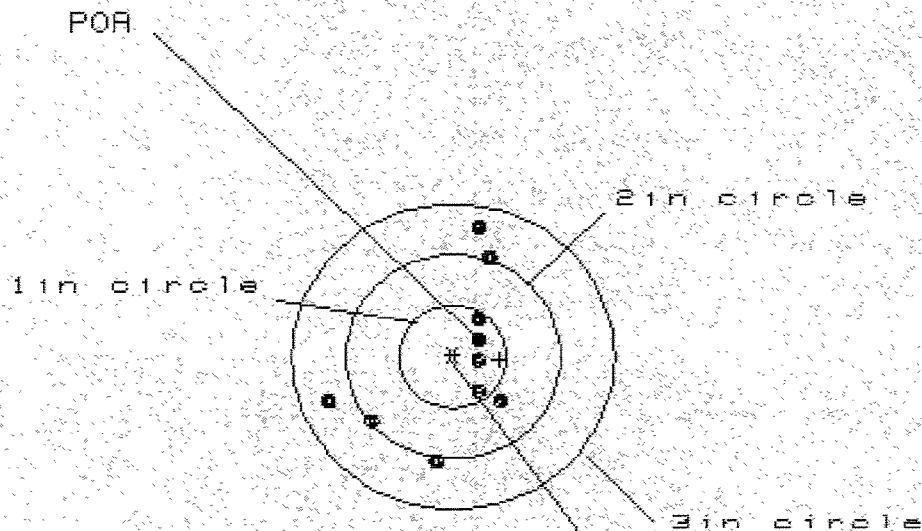
<----POI

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1696
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .0322
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .17263
THE AMR FOR THIS RIFLE IS: .9524

28 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522175

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1in = 4

2in = 6

3in = 10

HS= 1.570

VS= 2.351

GS= 2.385

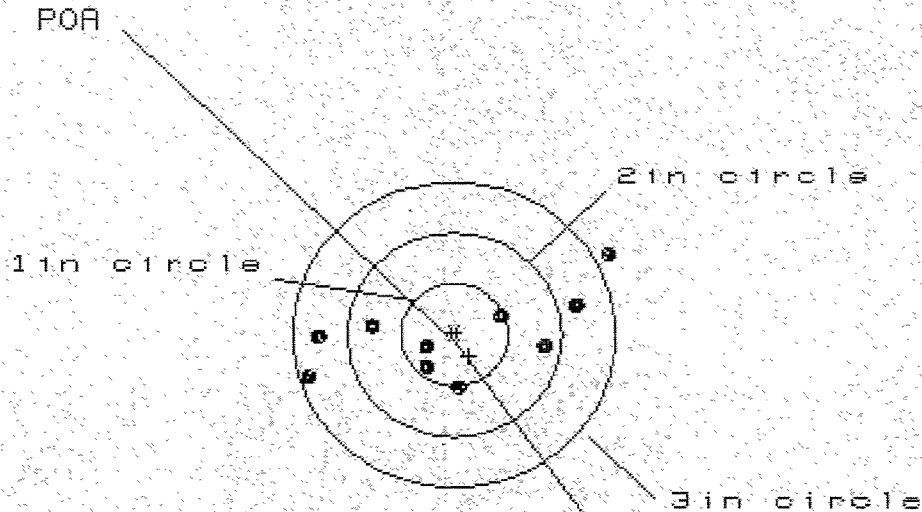
CENTROID #

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.441	.466	.328
MINIMUM X	-1.129	-1.104	-.846
MAXIMUM Y	1.314	1.149	1.115
MINIMUM Y	-1.037	-.891	-.925
CENTROID X	-.439	-.464	-.326
CENTROID Y	.027	-.119	-.085
POA TO CENTROID in.	.439	.479	.337
MIN RADIUS	.261	.310	.171
MEAN RADIUS	.764	.698	.598
MAX RADIUS	1.334	1.203	1.136
HORIZONTAL SPREAD	1.570	1.570	1.174
VERTICAL SPREAD	2.351	2.040	2.040
EXTREME SPREAD	2.385	2.102	2.102
NUMBER IN ONE INCH CIRCLE =	4		
NUMBER IN TWO INCH CIRCLE =	6		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 2



OF SHOTS - 10

IN CIR

1in = 2

2in = 6

3in = 9

HS = 2.844

VS = 1.244

CS = 3.069

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.432	1.291	1.134
MINIMUM X	-1.412	-1.252	-1.268
MAXIMUM Y	.751	.377	.338
MINIMUM Y	-.493	-.410	-.450
CENTROID X	-.136	-.296	-.139
CENTROID Y	.210	.127	.167
POA TO CENTROID in.	.250	.322	.217
MIN RADIUS	.316	.143	.303
MEAN RADIUS	.882	.766	.710
MAX RADIUS	1.617	1.345	1.268
HORIZONTAL SPREAD	2.844	2.543	2.482
VERTICAL SPREAD	1.244	.787	.787
EXTREME SPREAD	3.069	2.637	2.422
NUMBER IN ONE INCH CIRCLE	=	2	
NUMBER IN TWO INCH CIRCLE	=	6	
NUMBER IN THREE INCH CIRCLE	=	9	

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CENTERFIRE PATTERNS # 3

POA

1 in circle

2 in circle

3 in circle

CENTROID #

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 7

HS= 2.369

VS= 2.651

GS= 3.260

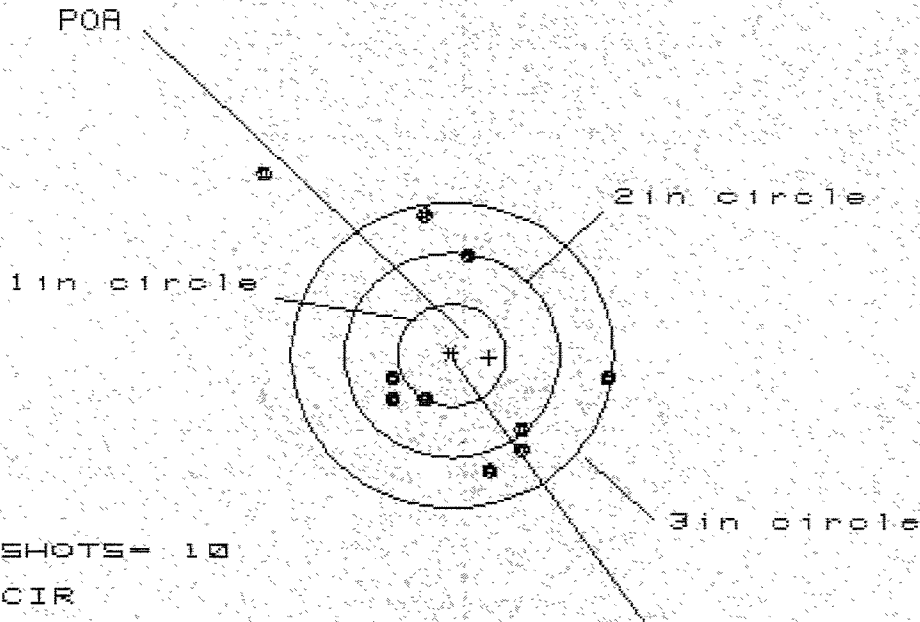
PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.899	.736	.785
MINIMUM X	-1.470	-.663	-.614
MAXIMUM Y	1.500	1.377	1.542
MINIMUM Y	-1.151	-1.274	-1.109
CENTROID X	.113	.276	.227
CENTROID Y	.137	.260	.095
POA TO CENTROID in.	.177	.379	.246
MIN RADIUS	.146	.066	.110
MEAN RADIUS	1.031	.945	.851
MAX RADIUS	1.841	1.413	1.565
HORIZONTAL SPREAD	2.369	1.399	1.399
VERTICAL SPREAD	2.651	2.651	2.651
EXTREME SPREAD	3.260	2.673	2.652
NUMBER IN ONE INCH CIRCLE =	2		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	7		

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CENTERFIRE PATTERNS

4



OF SHOTS = 10

IN CIR

1 in = 1

2 in = 4

3 in = 9

HS = 3.157

VS = 2.857

GS = 3.718

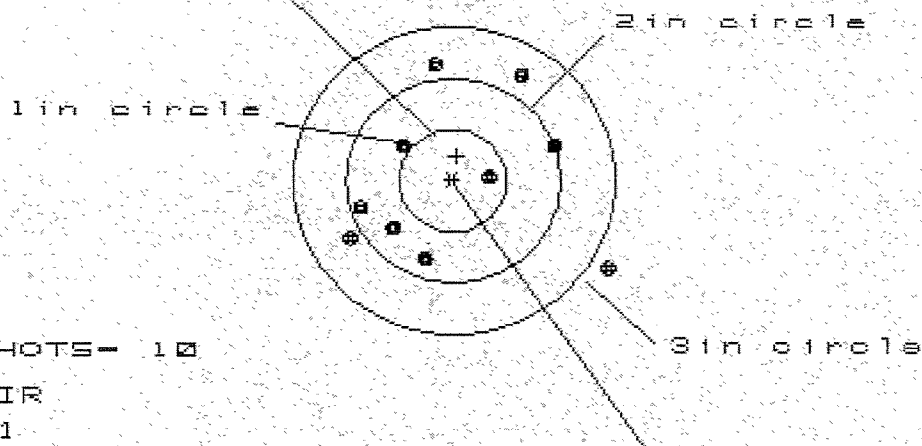
PATTERN #	1	4	9	8
SHOTS (BEST OF)	10	9	9	8
MAXIMUM X	1.402	1.207	1.207	.610
MINIMUM X	-1.755	-.715	-.715	-.565
MAXIMUM Y	1.728	1.552	1.552	1.547
MINIMUM Y	-1.129	-.937	-.937	-.942
CENTROID X	-.349	-.154	-.154	-.304
CENTROID Y	.025	-.167	-.167	-.162
POA TO CENTROID in.	.349	.227	.227	.345
MIN RADIUS	.490	.499	.499	.375
MEAN RADIUS	1.129	.940	.940	.883
MAX RADIUS	2.463	1.603	1.603	1.567
HORIZONTAL SPREAD	3.157	1.922	1.922	1.175
VERTICAL SPREAD	2.857	2.489	2.489	2.489
EXTREME SPREAD	3.718	2.561	2.561	2.561
NUMBER IN ONE INCH CIRCLE =		1	1	1
NUMBER IN TWO INCH CIRCLE =		4	4	4
NUMBER IN THREE INCH CIRCLE =		9	9	9

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FILE: PATTERNING/CENTERFIRE_PATT/C8522175

CENTERFIRE PATTERNS # 5

POA



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 6

3 in = 9

HS= 2.340

VS= 2.051

GS= 2.620

CENTROID #

PATTERN #	5
SHOTS (BEST OF)	10
MAXIMUM X	1.427
MINIMUM X	-.913
MAXIMUM Y	1.143
MINIMUM Y	-.908
CENTROID X	-.037
CENTROID Y	-.238
POA TO CENTROID in.	.241
MIN RADIUS	.381
MEAN RADIUS	.956
MAX RADIUS	1.691
HORIZONTAL SPREAD	2.340
VERTICAL SPREAD	2.051
EXTREME SPREAD	2.620
NUMBER IN ONE INCH CIRCLE =	1
NUMBER IN TWO INCH CIRCLE =	6
NUMBER IN THREE INCH CIRCLE =	9