

C6522190

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.



Remington®

MODEL 700™ H24

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

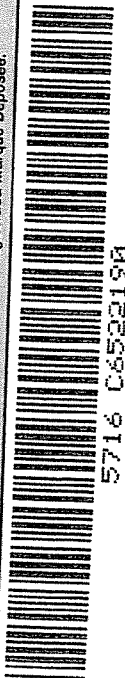
VERY IMPORTANT: Instruction Book enclosed to assure safe use of this firearm.

DU PONT

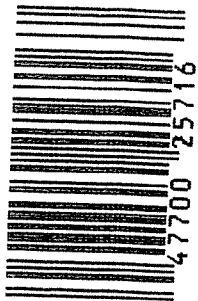
RES. U.S. PATENT OFF.

SERIAL NO. C6522190

ORDER NO. 5716



UPC



CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522190
29 Aug 1990

CENTROIDAL DISTANCES

0 TO	1	.55852
1 TO	2	.604438
1 TO	3	.884163
1 TO	4	.308629
1 TO	5	.807129

$\frac{3}{2.41}$ (----POA
5

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1174
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.241
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .268074
THE AMR FOR THIS RIFLE IS: .9556

25 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522190

CENTERFIRE PATTERNS

1

POA

1in circle

2in circle

3in circle

CENTROID *

OF SHOTS- 10

IN CIR

1in = 2

2in = 8

3in = 9

HS= 1.640

VS= 2.798

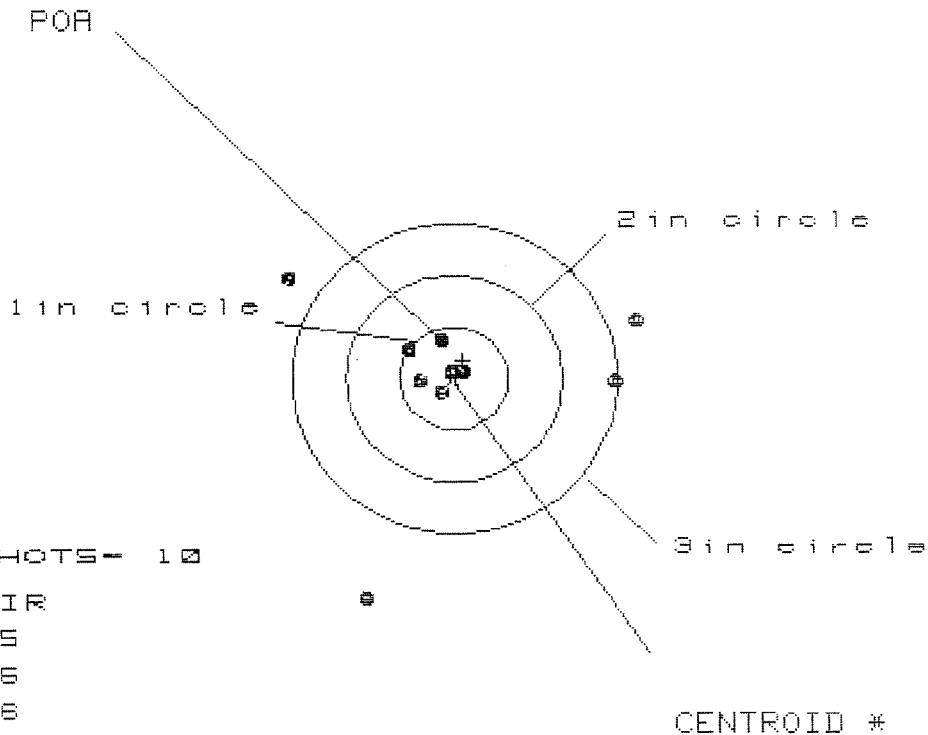
GS= 2.834

PATTERN #	:	1		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	.776	.665	.716
MINIMUM X	:	-.864	-.778	-.727
MAXIMUM Y	:	1.149	.966	.470
MINIMUM Y	:	-1.649	-.604	-.484
CENTROID X	:	.523	.437	.386
CENTROID Y	:	-.196	-.013	-.133
POA TO CENTROID in.	:	.559	.437	.408
MIN RADIUS	:	.425	.403	.498
MEAN RADIUS	:	.812	.690	.634
MAX RADIUS	:	1.822	1.050	.753
HORIZONTAL SPREAD	:	1.640	1.443	1.443
VERTICAL SPREAD	:	2.798	1.570	.954
EXTREME SPREAD	:	2.834	1.748	1.484
NUMBER IN ONE INCH CIRCLE =			2	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			9	

29 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/06522190

CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1in = 5

2in = 6

3in = 6

HS= 3.237

VS= 3.171

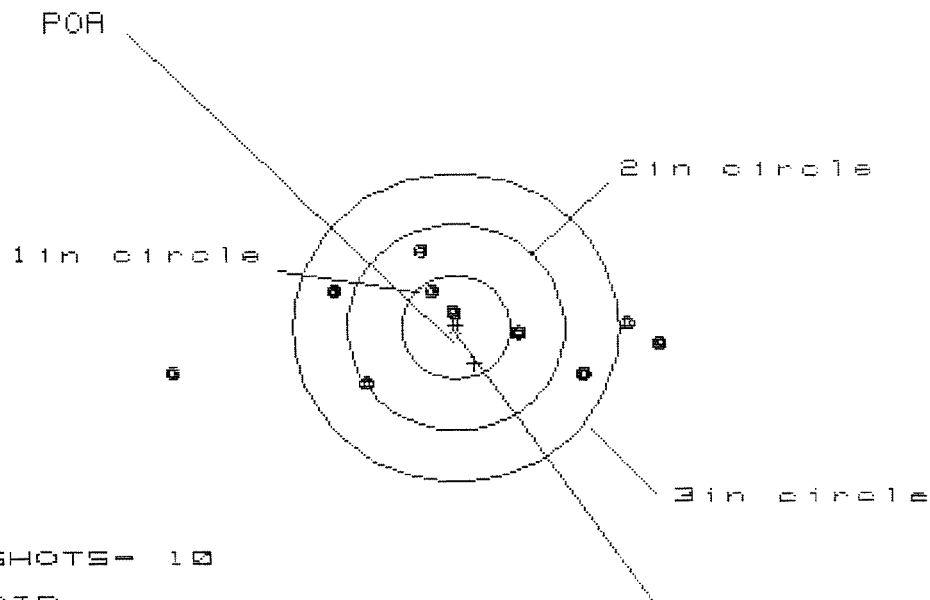
GS= 3.686

PATTERN #	:	2		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.727	1.641	1.441
MINIMUM X	:	-1.510	-1.596	-.745
MAXIMUM Y	:	.998	.757	.389
MINIMUM Y	:	-2.173	-.382	-.287
CENTROID X	:	-.081	.005	.205
CENTROID Y	:	-.173	.069	-.026
POA TO CENTROID in.	:	.190	.069	.207
MIN RADIUS	:	.115	.159	.207
MEAN RADIUS	:	.912	.774	.702
MAX RADIUS	:	2.306	1.767	1.493
HORIZONTAL SPREAD	:	3.237	3.237	2.186
VERTICAL SPREAD	:	3.171	1.139	.676
EXTREME SPREAD	:	3.686	3.270	2.201
NUMBER IN ONE INCH CIRCLE	=	5		
NUMBER IN TWO INCH CIRCLE	=	6		
NUMBER IN THREE INCH CIRCLE	=	6		

29 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/C8522190

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 5

3 in - 3

HS= 4.503

VS= 1.254

GS= 4.520

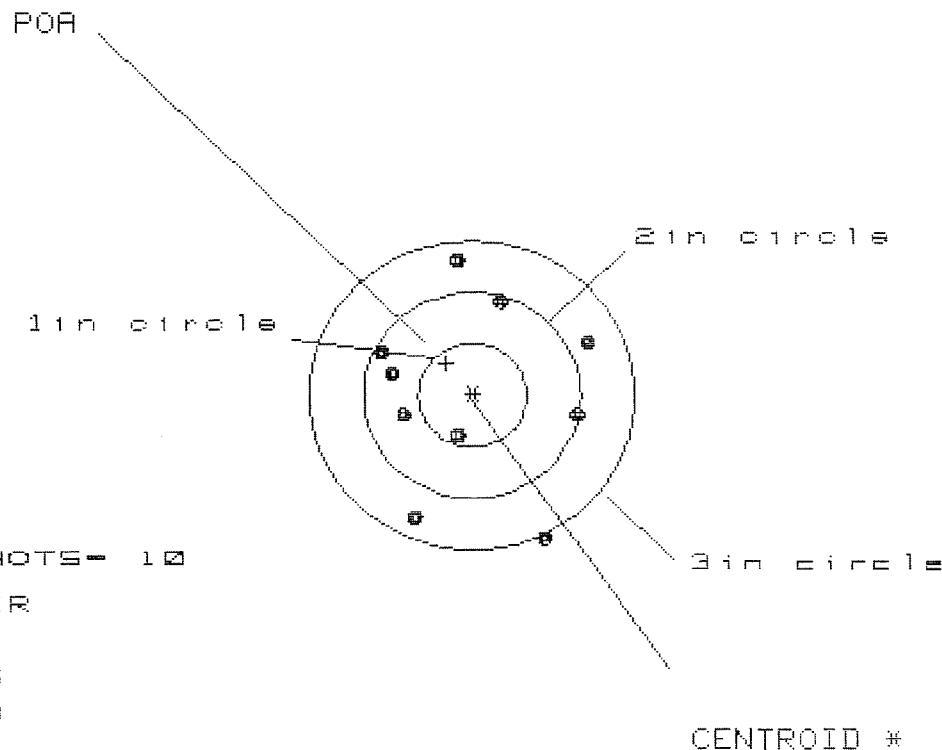
CENTROID #

PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.887	1.597	1.454
MINIMUM X	:	-2.616	-1.457	-1.258
MAXIMUM Y	:	.717	.662	.641
MINIMUM Y	:	-.537	-.592	-.613
CENTROID X	:	-.174	.116	-.083
CENTROID Y	:	.348	.403	.423
POA TO CENTROID in.	:	.389	.420	.432
MIN RADIUS	:	.164	.299	.158
MEAN RADIUS	:	1.142	.964	.850
MAX RADIUS	:	2.662	1.605	1.456
HORIZONTAL SPREAD	:	4.503	3.054	2.712
VERTICAL SPREAD	:	1.254	1.254	1.254
EXTREME SPREAD	:	4.520	3.089	2.734
NUMBER IN ONE INCH CIRCLE	=		2	
NUMBER IN TWO INCH CIRCLE	=		5	
NUMBER IN THREE INCH CIRCLE	=		7	

29 Aug 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C8522190

CENTERFIRE PATTERNS # 4



OF SHOTS - 10

IN CIR

1in = 1

2in = 5

3in = 9

HS = 1.861

VS = 2.724

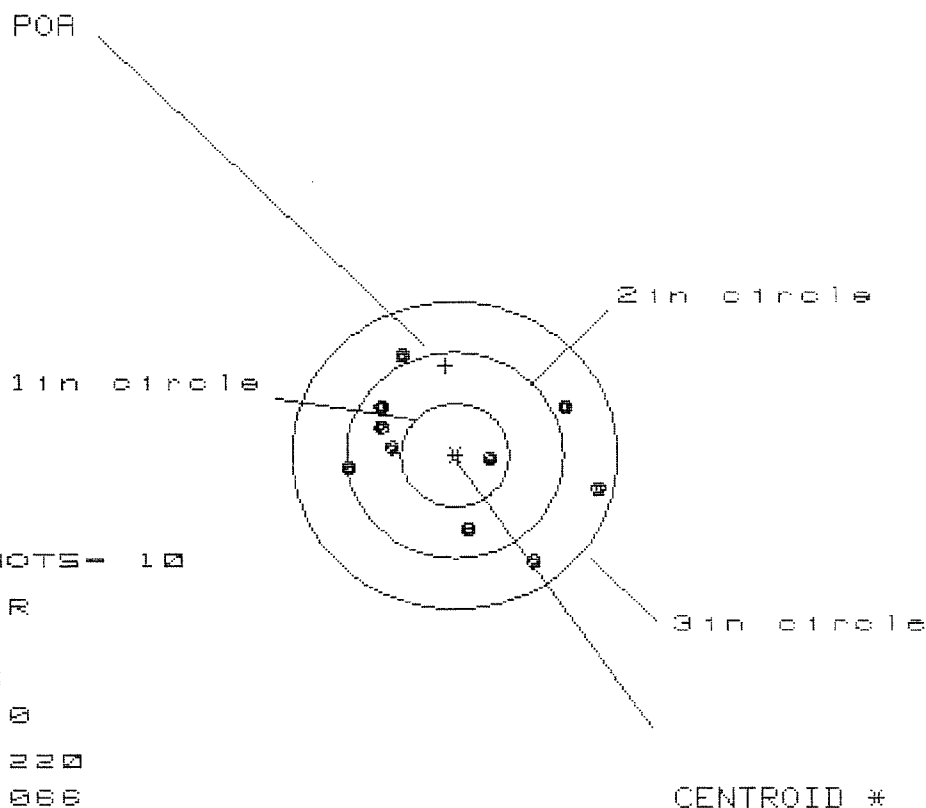
GS = 2.862

PATTERN #	:	4		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.071	1.149	1.137
MINIMUM X	:	-.790	-.712	-.725
MAXIMUM Y	:	1.323	1.168	.881
MINIMUM Y	:	-1.401	-1.306	-1.160
CENTROID X	:	.237	.159	.172
CENTROID Y	:	-.312	-.157	-.303
POA TO CENTROID in.	:	.392	.223	.348
MIN RADIUS	:	.410	.546	.403
MEAN RADIUS	:	1.006	.928	.886
MAX RADIUS	:	1.566	1.379	1.246
HORIZONTAL SPREAD	:	1.861	1.861	1.861
VERTICAL SPREAD	:	2.724	2.474	2.041
EXTREME SPREAD	:	2.862	2.498	2.266
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			5	
NUMBER IN THREE INCH CIRCLE =			9	

29 Aug 1990

FILE:/PATTERNING/CENTERFIRE_PATT/06522190

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 1

2in = 6

3in = 10

HS= 2.220

VS= 2.066

GS= 2.397

PATTERN #	:	5		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.277	1.174	1.279
MINIMUM X	:	-.943	-.801	-.696
MAXIMUM Y	:	1.001	.961	.823
MINIMUM Y	:	-1.065	-1.105	-.915
CENTROID X	:	.082	-.060	-.165
CENTROID Y	:	-.872	-.832	-.694
POA TO CENTROID in.	:	.875	.834	.714
MIN RADIUS	:	.310	.456	.391
MEAN RADIUS	:	.906	.836	.734
MAX RADIUS	:	1.325	1.388	1.322
HORIZONTAL SPREAD	:	2.220	1.975	1.975
VERTICAL SPREAD	:	2.066	2.066	1.738
EXTREME SPREAD	:	2.397	2.397	2.075
NUMBER IN ONE INCH CIRCLE	=		1	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		10	

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. 06522198

DATE 8/27/90

TESTER JZ.

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.44	2.22	2.52	2.12	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.40	2.46	2.14	
PULL #3	2.22	2.35	2.26	2.23	
PULL #4	2.31	2.45	2.27	2.13	
PULL #5	2.38	2.34	2.21	2.16	
TOTAL	11.77	11.76	11.72	10.78	
AVG.	2.354	2.352	2.344	2.156	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.45	3.43		
PULL #2	3.50	3.35		
PULL #3	3.35	3.46		
PULL #4	3.50	3.41		
PULL #5	3.46	3.44		
TOTAL	16.76	17.09		
AVG.	3.352	3.418		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.21	4.23		4.14
PULL #2	4.21	4.27		4.10
PULL #3	4.23	4.29		4.10
PULL #4	4.24	4.25		4.26
PULL #5	4.24	4.24		4.24
TOTAL	21.13	21.28		20.84
AVG.	4.226	4.256		4.168

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C 6522190

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8/1/90	KS
600	Proof		8/1/90	KS
607	Check Headspace		8/1/90	KS
610	Dis-assemble Gun		8/1/90	KS
612	Magnaflux Barrel Action		8/7/90	KR
	Magnaflux Bolt		8/7/90	KR
615	Rollmark Caliber		8/7/90	JS
617	Drill and Tap Sight Holes		8/10/90	LB
618	Polish Barrel RB		8/14/90	WB
620	Apply Coatings (Barrel Action)		8-22-90	JA
	Apply Coating (Bolt)			
625	Final Assembly		8/23/90	KS
	A) Clean inside of Bolt Assembly			
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/23/90	KS
	C) Inspect Ejector Hole for Chamfer		8/23/90	KS
	D) Oil Firing Pin Ass'y		8/23/90	KS
	E) Adjust Trigger Pull to Min Setting and Stake		8/27/90	GL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	5	5	5			8/24/90	WB
	G) Safety Off Force	7 1/2	7 1/2	7 1/2			8/24/90	WB
	H) Trigger Pull Test & Retainability						8/27/90	JH
	I) Firing Pin Indent	.0225	.0225	.0225			8/24/90	WB
	J) Assemble Stock						8/27/90	KS
	K) Assemble Swivel Studs						8/31/90	JDS
	L) Attach Front and Rear Sight Assemblies						8/27/90	KS
	M) Iron Sight Alignment						8/27/90	KS
	N) Detach Front & Rear Sights & place in numbered container						8/27/90	KS
	O) Attach Scope to Rifle						8/27/90	KS
	P) Detach & Attach Scope 20 Times						8/27/90	KS
640	Gallery Target & Test						8-29-90	DH
	A) Time						8-29-90	DH
	B) Malfunctions						8-29-90	DH
	C) Pierced Primers						8-29-90	DH
	D) Optical Clarity of Scope						8-29-90	DH
645	Inspect for Live Ammo						8-29-90	DH
655	Final Inspection							
	A) Headspace						8/31/90	JDS
	B) Trigger Pull	2.12	2.14	2.23	2.13	2.16	8/30/90	JH
	C) Function						8/31/90	JDS
660	Pack						9/19/90	NF