

C6522170

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Smead®

Remington®



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

MODEL 700™ M24

SERIAL NO.

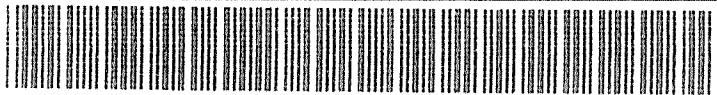
C6522170

ORDER NO.

5716

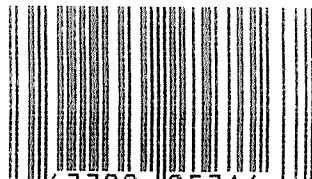
MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat & Tm. Off, Marca Registrada Marque Deposee.

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5716 C6522170

UPC



0 47700 25716 7

CONFIDENTIAL-SUBJECT TO PROTECTIVE ORDER

BARBER - M24 000302903660

BARBER - M24 0003621

M-24

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

C4522170

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		8-21-90	DLB
600	Proof		8-21-90	DLB
607	Check Headspace		8-21-90	DLB
610	Dis-assemble Gun		8-21-90	DLB
612	Magnaflux Barrel Action	New BBL 8/22/90	8/23/90	KCR
	Magnaflux Bolt		8/22/90	KCR
615	Rollmark Caliber		8/23/90	GS
617	Drill and Tap Sight Holes		8/23/90	LB
618	Polish Barrel RB.		8/23/90	WLB
620	Apply Coatings (Barrel Action)		8-26-90	TJA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		10/3/90	RW
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		10/3/90	RW
	C) Inspect Ejector Hole for Chamfer		10/3/90	RW
	D) Oil Firing Pin Ass'y		10/3/90	RW
	E) Adjust Trigger Pull to Min Setting and Stake		10/3/90	RW

op. #	OP. NAME	READINGS					DATE	INIT
625 ont.	F) Safety On Force	4	4	4			10/4/90	Ru
	G) Safety Off Force	3	2.5	2.5			10/4/90	Ru
	H) Trigger Pull Test & Retainability						10/3/90	Ru
	I) Firing Pin Indent	.022	.021	.022			10/4/90	Ru
	J) Assemble Stock						10/5/90	Ru
	K) Assemble Swivel Studs						10/30/90	928
	L) Attach Front and Rear Sight Assemblies						10/5/90	Ru
	M) Iron Sight Alignment						10/5/90	Ru
	N) Detach Front & Rear Sights & place in numbered container						10/5/90	Ru
	O) Attach Scope to Rifle						10/5/90	Ru
	P) Detach & Attach Scope 20 Times						10/5/90	Ru
640	Gallery Target & Test						10-9-90	D/H
	A) Time						10-9-90	D/H
	B) Malfunctions						10-9-90	D/H
	C) Pierced Primers						10-9-90	D/H
	D) Optical Clarity of Scope						10-9-90	D/H
645	Inspect for Live Ammo						10-9-90	D/H
655	Final Inspection						10/30/90	928
	A) Headspace						10-9-90	928
	B) Trigger Pull	2.27	2.27	2.25	2.26	2.26	10-9-90	928
	C) Function						10/30/90	928
660	Pack						12/18/90	15

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6522170DATE 10/3/90TESTER RLW

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.57	2.40	2.45	2.27	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.62	2.43	2.49	2.27	
PULL #3	2.50	2.44	2.47	2.25	
PULL #4	2.59	2.43	2.42	2.26	
PULL #5	2.54	2.43	2.48	2.26	
TOTAL	12.82	12.13	12.31	11.31	
AVG.	2.56	2.43	2.46	2.262	

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.02	3.02		
PULL #2	3.05	3.07		
PULL #3	3.03	3.05		
PULL #4	3.02	3.06		
PULL #5	3.01	3.02		
TOTAL	15.13	15.22		
AVG.	3.03	3.04		

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.11	4.05		4.03
PULL #2	4.21	4.03		4.06
PULL #3	4.17	4.06		4.03
PULL #4	4.15	4.04		4.06
PULL #5	4.16	4.05		4.00
TOTAL	20.80	20.23		20.18
AVG.	4.16	4.05		4.04

CENTROIDAL DISTANCE CALCULATIONS
FOR RIFLE # C6522170
9 Oct 1990

CENTROIDAL DISTANCES

0 TO 1	.673484
1 TO 2	.649346
1 TO 3	.482254
1 TO 4	.796283
1 TO 5	.361831

15
34 <----POA

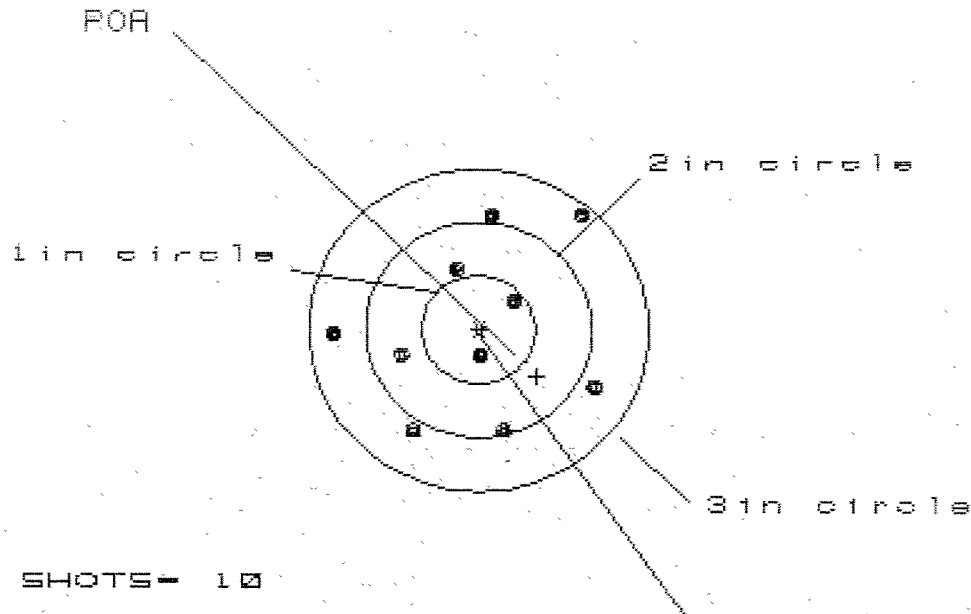
THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1762
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1462
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .228956
THE AMR FOR THIS RIFLE IS: .8926

9 Oct 1998

FILE:/PATTERNING/CENTERFIRE_PATT/C6522170

CENTERFIRE PATTERNS

1



OF SHOTS- 10

IN CIR

1 in = 2

2 in = 5

3 in = 10

HS= 2.278

VS= 1.997

GS= 2.430

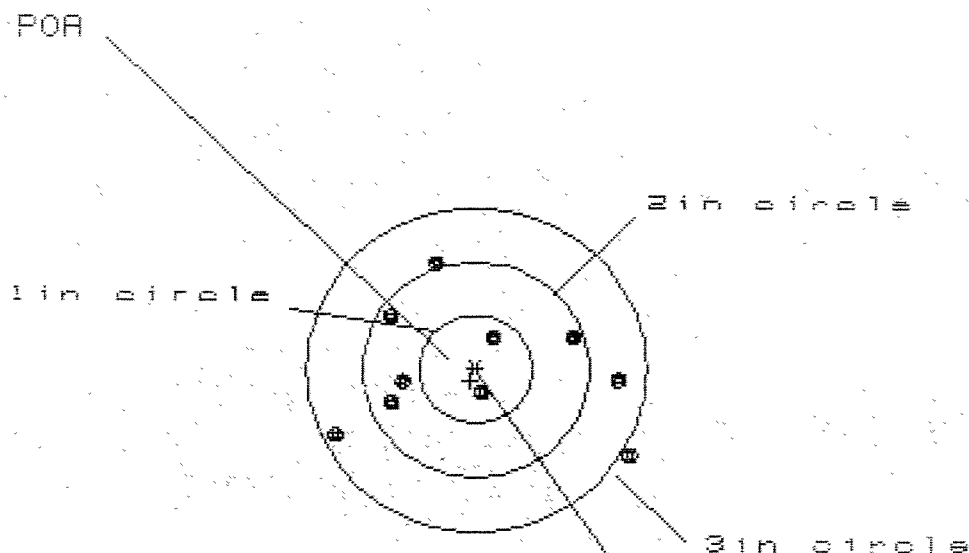
CENTROID *

PATTERN #	1	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.020	1.116	.971
MINIMUM X	-1.258	-1.162	-.692
MAXIMUM Y	1.046	1.162	1.172
MINIMUM Y	-.951	-.835	-.825
CENTROID X	-.515	-.611	-.466
CENTROID Y	.434	.319	.309
POA TO CENTROID in.	.674	.689	.559
MIN RADIUS	.288	.228	.157
MEAN RADIUS	.885	.823	.768
MAX RADIUS	1.357	1.190	1.174
HORIZONTAL SPREAD	2.278	2.278	1.663
VERTICAL SPREAD	1.997	1.997	1.997
EXTREME SPREAD	2.430	2.329	2.083
NUMBER IN ONE INCH CIRCLE =		2	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

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CENTERFIRE PATTERNS # 2



OF SHOTS- 10

IN CIR

1 in - 2

2 in - 6

3 in - 9

HS- 2.572

VS- 1.812

GS- 2.583

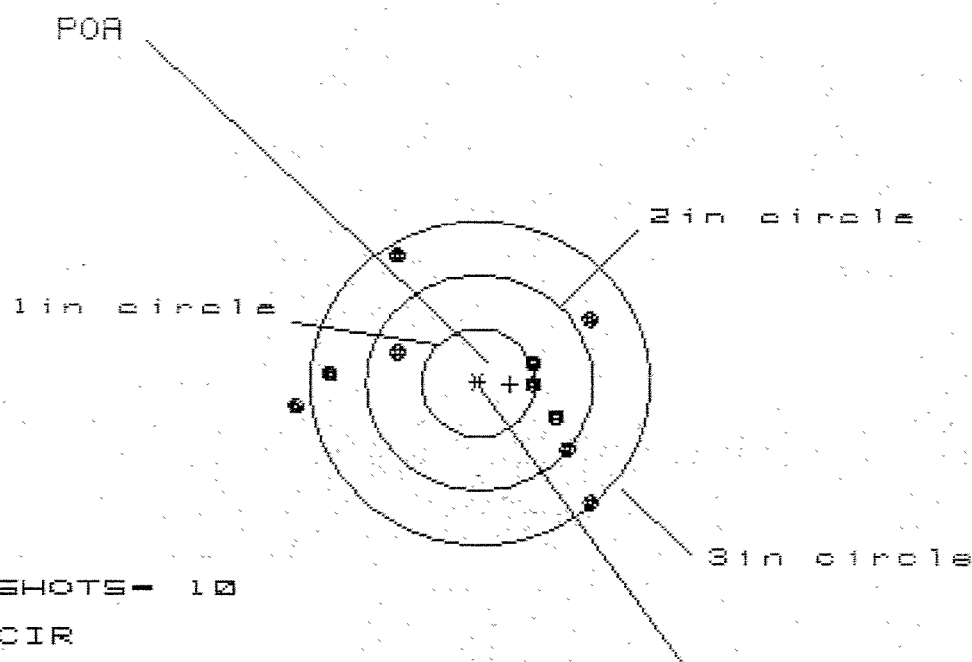
CENTROID *

PATTERN #	2		
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.363	1.414	1.282
MINIMUM X	-1.209	-1.058	-.767
MAXIMUM Y	1.004	.915	.832
MINIMUM Y	-.808	-.661	-.485
CENTROID X	.046	-.105	.027
CENTROID Y	.107	.196	.279
POA TO CENTROID in.	.116	.223	.280
MIN RADIUS	.252	.393	.238
MEAN RADIUS	.917	.827	.767
MAX RADIUS	1.584	1.429	1.314
HORIZONTAL SPREAD	2.572	2.472	2.049
VERTICAL SPREAD	1.812	1.576	1.317
EXTREME SPREAD	2.583	2.514	2.063
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



OF SHOTS- 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 2.630

VS= 2.264

GS= 2.824

PATTERN #	3	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.008	.828	.922
MINIMUM X	-1.621	-1.477	-1.383
MAXIMUM Y	1.186	1.167	1.029
MINIMUM Y	-1.078	-1.097	-.813
CENTROID X	-.278	-.097	-.191
CENTROID Y	.014	.033	.171
POA TO CENTROID in.	.278	.103	.256
MIN RADIUS	.500	.328	.381
MEAN RADIUS	1.045	.933	.901
MAX RADIUS	1.631	1.497	1.386
HORIZONTAL SPREAD	2.630	2.305	2.305
VERTICAL SPREAD	2.264	2.264	1.842
EXTREME SPREAD	2.824	2.824	2.377
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	5		
NUMBER IN THREE INCH CIRCLE =	9		

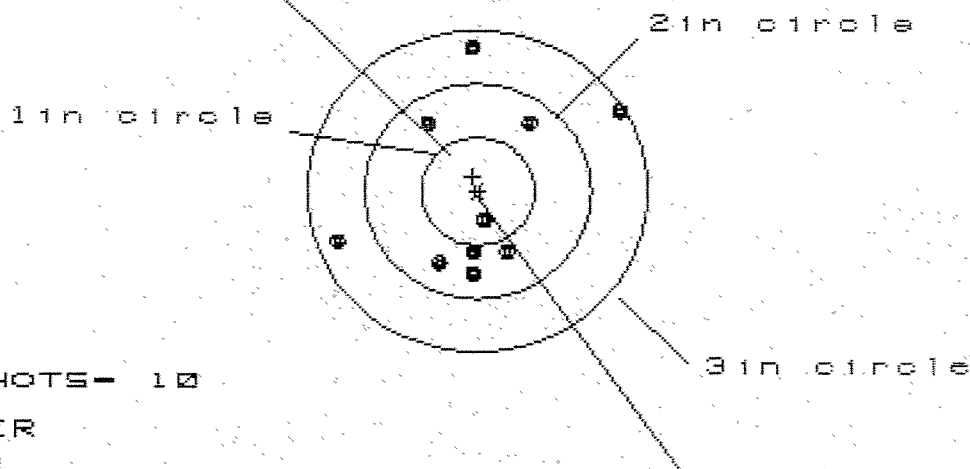
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CENTERFIRE PATTERNS

4

POB



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 2.496

VS= 2.020

GS= 2.792

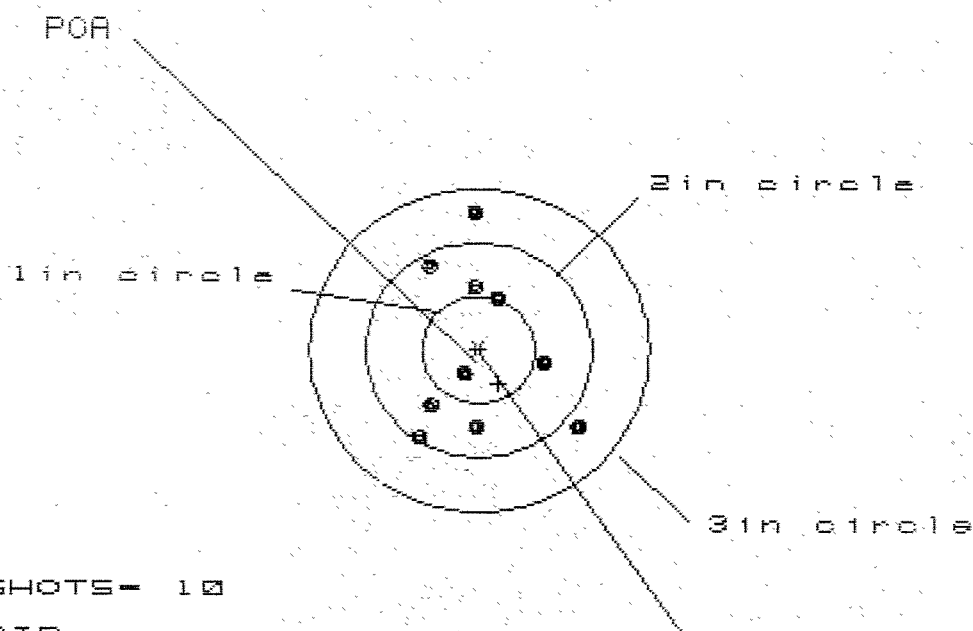
CENTROID #

PATTERN #	4	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.261	.604	.467
MINIMUM X	-1.235	-1.095	-.460
MAXIMUM Y	1.292	1.377	1.327
MINIMUM Y	-.728	-.643	-.693
CENTROID X	.040	-.100	.037
CENTROID Y	-.137	-.221	-.171
POB TO CENTROID in.	.142	.243	.175
MIN RADIUS	.314	.311	.282
MEAN RADIUS	.856	.767	.710
MAX RADIUS	1.474	1.381	1.328
HORIZONTAL SPREAD	2.496	1.699	.927
VERTICAL SPREAD	2.020	2.020	2.020
EXTREME SPREAD	2.792	2.144	2.020
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 8

3 in = 10

HS- 1.418

VS= 2.111

GS= 2.159

CENTROID #

PATTERN #	5	9	8
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.914	.908	.633
MINIMUM X	-.504	-.510	-.396
MAXIMUM Y	1.251	.946	.879
MINIMUM Y	-.860	-.721	-.788
CENTROID X	-.174	-.168	-.282
CENTROID Y	.313	.174	.241
POA TO CENTROID in.	.358	.242	.371
MIN RADIUS	.281	.188	.168
MEAN RADIUS	.760	.689	.637
MAX RADIUS	1.252	1.054	.932
HORIZONTAL SPREAD	1.418	1.418	1.029
VERTICAL SPREAD	2.111	1.667	1.667
EXTREME SPREAD	2.159	1.991	1.669
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	8		
NUMBER IN THREE INCH CIRCLE =	10		