

C6649293

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5715**

*Includes 1 in chamber.

Remington

Smead

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

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

DUPONT

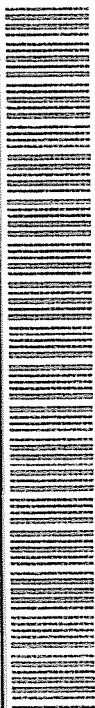
MODEL 700™ M24

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

SERIAL NO.
C6649093

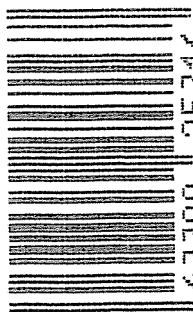
ORDER NO.
5716

20



5716 C6649093

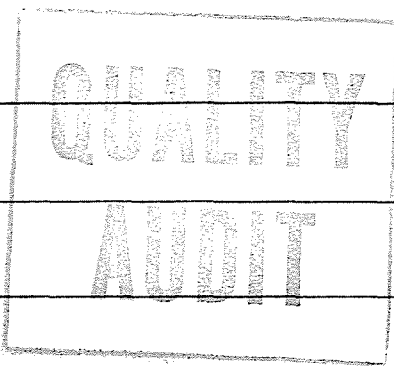
UPC



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CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6649093**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/24/91	KA
600	Proof		6/24/91	KA
607	Check Headspace		6/24/91	KA
610	Dis-assemble Gun		6/24/91	KA
612	Magnaflux Barrel Action		JUL 1 1991	KR
	Magnaflux Bolt		JUL 1 1991	KR
615	Rollmark Caliber		JUL 1 1991	LG
617	Drill and Tap Sight Holes		JUL 1 1991	FB
618	Polish Barrel		JUL 2 1991	WB
620	Apply Coatings (Barrel Action)		7-23-91	JA
	Apply Coating (Bolt)			
625	Final Assembly A) Clean inside of Bolt Assembly		7/23/91	KS
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		7/23/91	KS
	C) Inspect Ejector Hole for Chamfer		7/23/91	KS
	D) Oil Firing Pin Ass'y		7/23/91	KS
	E) Adjust Trigger Pull to Min Setting and Stake		7-31-91	JS

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			7-31-91	DH
	G) Safety Off Force	3½	3½	3			7-31-91	DH
	H) Trigger Pull Test & Retainability						7-31-91	JH
	I) Firing Pin Indent	.021	.022	.021			7-31-91	DH
	J) Assemble Stock						7/31/91	KH
	K) Assemble Swivel Studs						8-6-91	AC
	L) Attach Front and Rear Sight Assemblies						7/31/91	KH
	M) Iron Sight Alignment						7/31/91	KH
	N) Detach Front & Rear Sights & place in numbered container						7/31/91	KH
	O) Attach Scope to Rifle						7/31/91	KH
	P) Detach & Attach Scope 20 Times						7/31/91	KH
640	Gallery Target & Test						8-1-91	NF
	A) Time						"	NF
	B) Malfunctions						"	NF
	C) Pierced Primers						"	NF
	D) Optical Clarity of Scope						"	NF
645	Inspect for Live Ammo						8-1-91	NF
655	Final Inspection							
	A) Headspace						8-6-91	AC
	B) Trigger Pull	2.35	2.37	2.38	2.39	2.32	8-5-91	JH
	C) Function						8-6-91	AC
660	Pack						9-17-91	DH

SWS TRIGGER PULL TEST

AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6649093

DATE 7-31-91

TESTER JEL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.42	2.44	2.40	2.35	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.42	2.43	2.45	2.37	
PULL #3	2.45	2.46	2.49	2.38	
PULL #4	2.42	2.54	2.50	2.39	
PULL #5	2.43	2.43	2.44	2.32	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.22	3.19		
PULL #2	3.21	3.44		
PULL #3	3.19	3.38		
PULL #4	3.23	3.38		
PULL #5	3.15	3.39		
TOTAL				
AVG.				

	4.00# INITIAL	4.00# AFTER 20 CYCLES	MAX SETTING GREATER THAN 4#	RESET TO 4# FOR TARGET & ACCURACY
PULL #1	4.16	4.31		4.22
PULL #2	4.34	4.24		4.29
PULL #3	4.33	4.18		4.24
PULL #4	4.25	4.31		4.30
PULL #5	4.28	4.24		4.30
TOTAL				
AVG.				

PARABOLIC DISTANCE CALCULATIONS

RIFLE # C6649093

100 1991

PARABOLIC DISTANCES

TO 1	.363176
TO 2	.413011
TO 3	.133701
TO 4	.0379473
TO 5	.192065

POA <-----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: -.1624

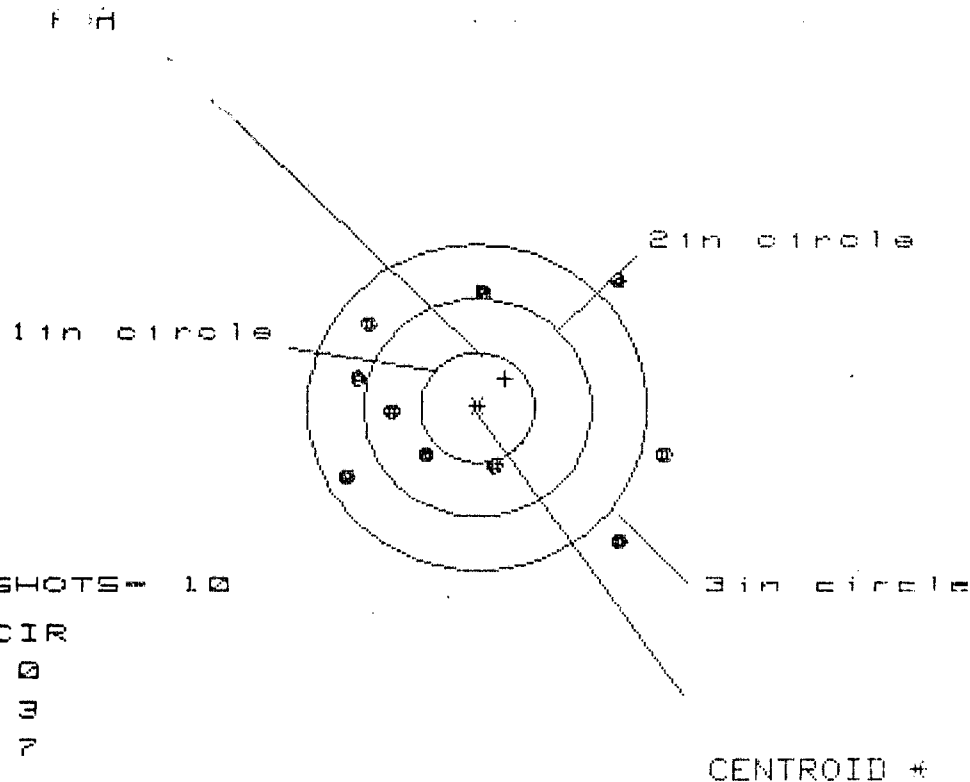
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.1692

THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .234524

THE AMR FOR THIS RIFLE IS: .9792

FILE:/PATTERNING/CENTERFIRE_PATT/C6649093

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

11n = 0

21n = 3

31n = 7

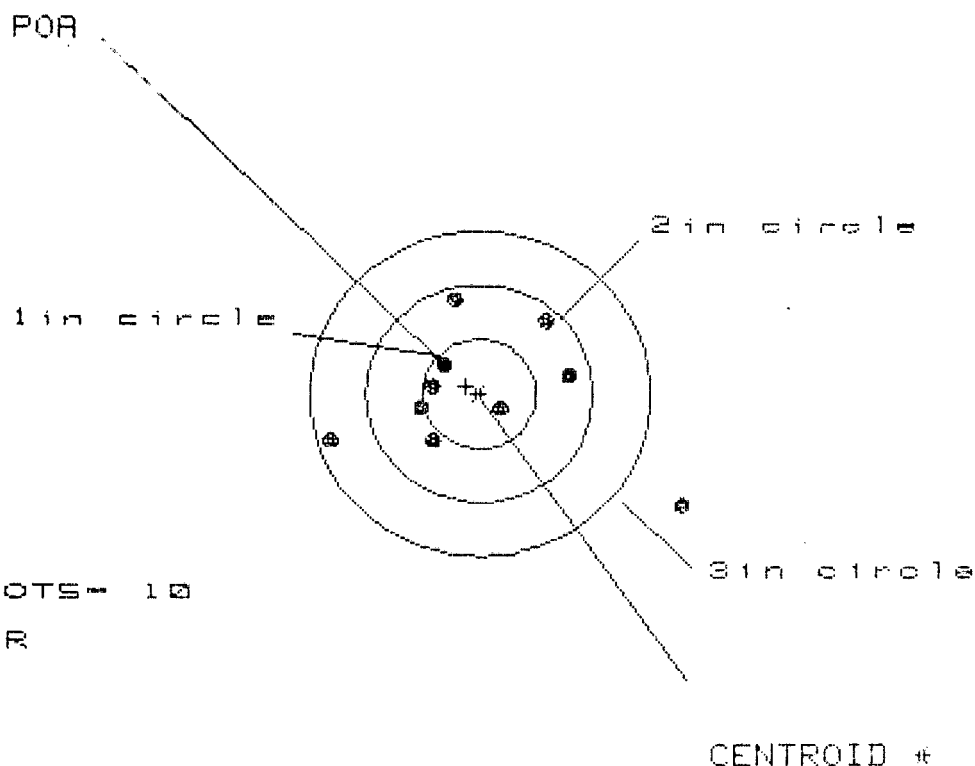
HS= 2.853

VS= 2.456

GS= 3.073

PATTERN #	1	2	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.680	1.816	1.994
MINIMUM X	-1.173	-1.037	-.859
MAXIMUM Y	1.186	1.045	1.066
MINIMUM Y	-1.270	-.794	-.663
CENTROID X	-.244	-.380	-.558
CENTROID Y	-.269	-.128	-.259
POA TO CENTROID in.	.363	.401	.615
MIN RADIUS	.588	.640	.439
MEAN RADIUS	1.196	1.105	.959
MAX RADIUS	1.765	1.899	2.038
HORIZONTAL SPREAD	2.853	2.853	2.853
VERTICAL SPREAD	2.456	1.839	1.729
EXTREME SPREAD	3.073	3.073	2.865
NUMBER IN ONE INCH CIRCLE =	0		
NUMBER IN TWO INCH CIRCLE =	3		
NUMBER IN THREE INCH CIRCLE =	7		

CENTERFIRE PATTERNS # 2



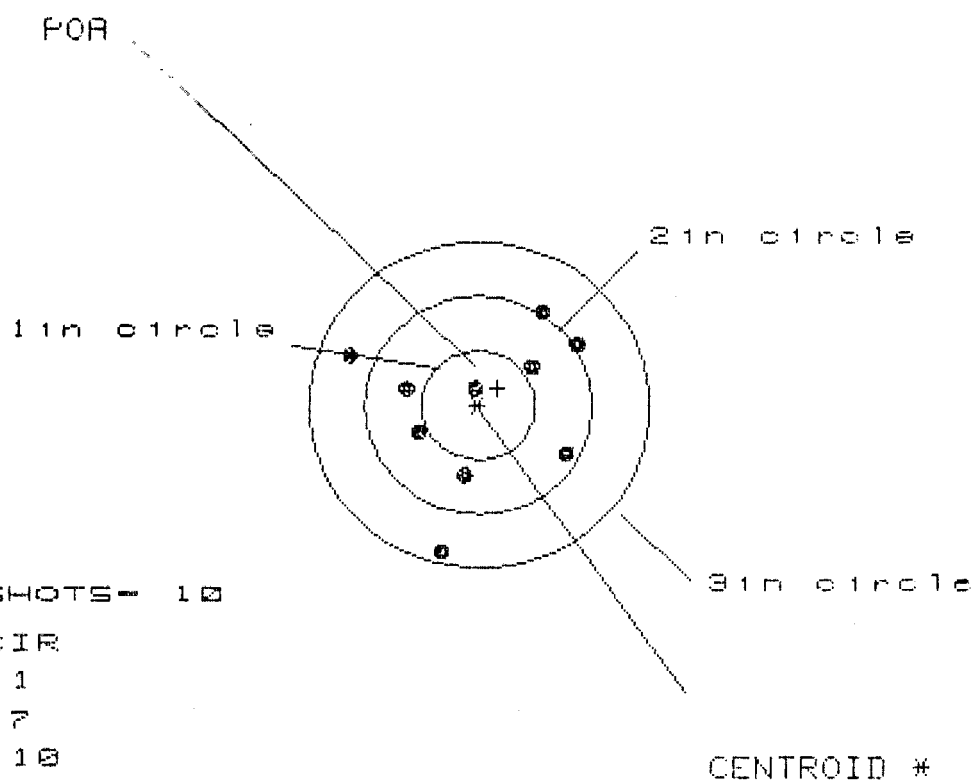
OF SHOTS- 10
 # IN CIR
 1in = 3
 2in = 8
 3in = 9
 HS= 3.063
 VS= 1.910
 GS= 3.120

PATTERN #	:	12		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.785	.951	.816
MINIMUM X	:	-1.278	-1.079	-.475
MAXIMUM Y	:	.892	.779	.717
MINIMUM Y	:	-1.017	-.535	-.597
CENTROID X	:	.119	-.080	.055
CENTROID Y	:	-.072	.042	.104
POA TO CENTROID in.	:	.139	.090	.118
MIN RADIUS	:	.196	.187	.288
MEAN RADIUS	:	.811	.629	.574
MAX RADIUS	:	2.055	1.189	.816
HORIZONTAL SPREAD	:	3.063	2.030	1.291
VERTICAL SPREAD	:	1.910	1.314	1.314
EXTREME SPREAD	:	3.128	2.114	1.429
NUMBER IN ONE INCH CIRCLE =			3	
NUMBER IN TWO INCH CIRCLE =			8	
NUMBER IN THREE INCH CIRCLE =			9	

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CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 7

3in = 10

HS= 1.957

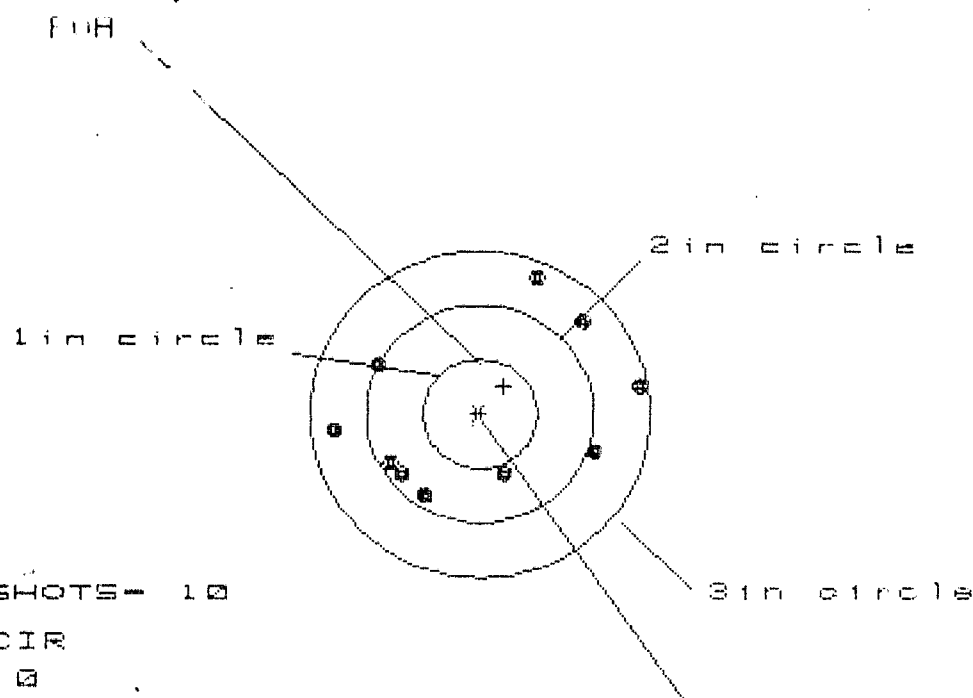
VS= 2.165

GS= 2.323

PATTERN #	3	3	3
SHOTS (BEST OF)	10	9	8
MAXIMUM X	.873	.837	.695
MINIMUM X	-1.094	-1.130	-.797
MAXIMUM Y	.853	.707	.746
MINIMUM Y	-1.312	-.827	-.787
CENTROID X	-.168	-.132	.010
CENTROID Y	-.159	-.013	-.053
POA TO CENTROID in.	.231	.132	.053
MIN RADIUS	.197	.073	.214
MEAN RADIUS	.822	.744	.692
MAX RADIUS	1.351	1.173	.842
HORIZONTAL SPREAD	1.967	1.967	1.492
VERTICAL SPREAD	2.165	1.534	1.534
EXTREME SPREAD	2.323	2.079	1.661
NUMBER IN ONE INCH CIRCLE =	1		
NUMBER IN TWO INCH CIRCLE =	7		
NUMBER IN THREE INCH CIRCLE =	10		

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CENTERFIRE PATTERNS # 4



OF SHOTS- 10

IN CIR

1 in = 0

2 in = 5

3 in = 10

HS= 2.679

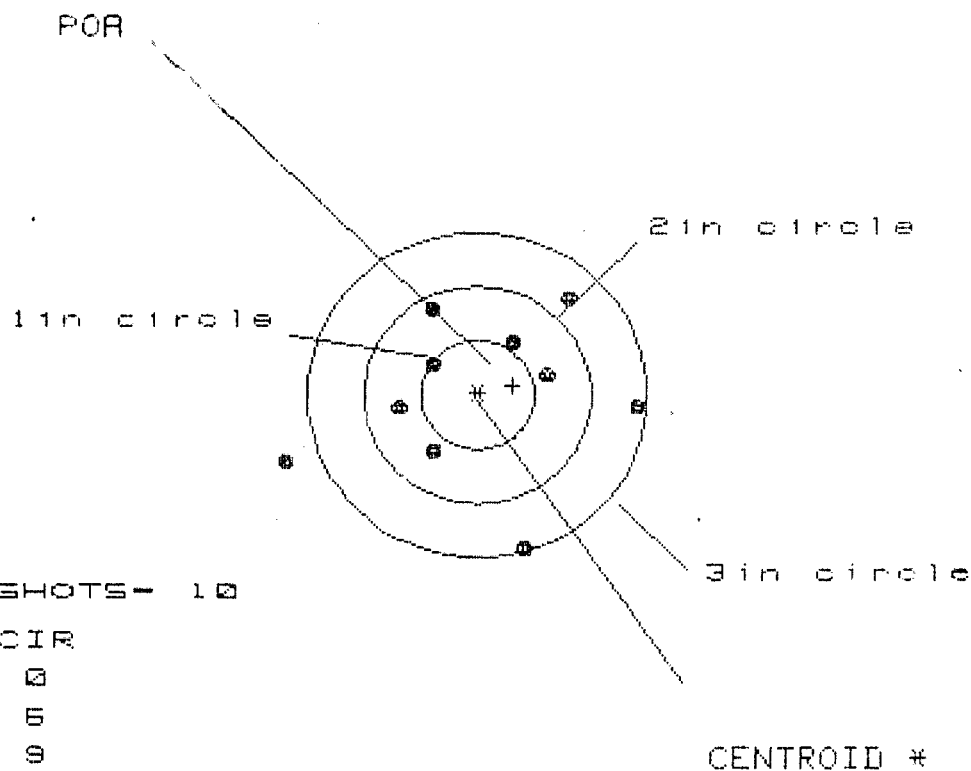
VS= 2.015

GS= 2.710

CENTROID *

PATTERN #	4	5	6
SHOTS (BEST OF)	10	9	8
MAXIMUM X	1.425	1.181	1.267
MINIMUM X	-1.254	-1.095	-1.009
MAXIMUM Y	1.271	1.297	1.052
MINIMUM Y	-.744	-.718	-.556
CENTROID X	-.208	-.367	-.453
CENTROID Y	-.257	-.283	-.445
POA TO CENTROID in.	.331	.463	.635
MIN RADIUS	.612	.652	.577
MEAN RADIUS	1.067	.998	.887
MAX RADIUS	1.444	1.469	1.547
HORIZONTAL SPREAD	2.679	2.276	2.276
VERTICAL SPREAD	2.015	2.015	1.608
EXTREME SPREAD	2.710	2.384	2.384
NUMBER IN ONE INCH CIRCLE =		0	
NUMBER IN TWO INCH CIRCLE =		5	
NUMBER IN THREE INCH CIRCLE =		10	

CENTERFIRE PATTERNS # 5



OF SHOTS- 10

IN CIR

1in = 0

2in = 6

3in = 9

HS= 3.124

VS= 2.358

GS= 3.165

CENTROID *

PATTERN #	:	15		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	1.444	1.257	1.290
MINIMUM X	:	-1.680	-.922	-.890
MAXIMUM Y	:	.932	.864	.677
MINIMUM Y	:	-1.426	-1.494	-.733
CENTROID X	:	-.311	-.124	-.157
CENTROID Y	:	-.089	-.021	.165
POR TO CENTROID in.	:	.323	.126	.228
MIN RADIUS	:	.532	.447	.292
MEAN RADIUS	:	1.000	.899	.785
MAX RADIUS	:	1.787	1.516	1.337
HORIZONTAL SPREAD	:	3.124	2.179	2.179
VERTICAL SPREAD	:	2.358	2.358	1.411
EXTREME SPREAD	:	3.165	2.383	2.179
NUMBER IN ONE INCH CIRCLE	=		0	
NUMBER IN TWO INCH CIRCLE	=		6	
NUMBER IN THREE INCH CIRCLE	=		9	