

C6636272

MODEL 780™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

*Includes 1 in chamber.

Remington

Remington[®] **DUPONT**
REG. U.S. PAT. & TM. OFF.

MODEL 700TM M24

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.

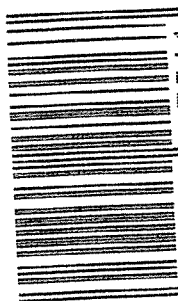
SERIAL NO.
C6636272

ORDER NO.
5716

20

5716 C6636272

LPC



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CONTRACT # DAAA21-87-C-0086

GUN SERIAL # **C6636272**

OP. #	OP. NAME	READINGS	DATE	INIT
575 & 580	Assemble Action and Stock		6/25/91	KL
600	Proof		6/25/91	KL
607	Check Headspace		6/25/91	KL
610	Dis-assemble Gun		6/25/91	KL
612	Magnaflux Barrel Action	JUL	1 1991	KR
	Magnaflux Bolt	JUL	1 1991	KR
615	Rollmark Caliber	JUL	1 1991	LS
617	Drill and Tap Sight Holes	JUL	1 1991	LB
618	Polish Barrel	JUL	2 1991	WB
620	Apply Coatings (Barrel Action)		7-23-91	KL
	Apply Coating (Bolt)			KL
625	Final Assembly A) Clean inside of Bolt Assembly		8/5/91	KL
	B) Inspect Rear Firing Pin Hole for Chamfer in Bolt Head		8/5/91	KL
	C) Inspect Ejector Hole for Chamfer		8/5/91	KL
	D) Oil Firing Pin Ass'y		8/5/91	KL
	E) Adjust Trigger Pull to Min Setting and Stake		8-6-91	KL

op. #	OP. NAME	READINGS					DATE	INIT
625 cont.	F) Safety On Force	6	6	6			8-6-91	DH
	G) Safety Off Force	2	2	2			8-6-91	DH
	H) Trigger Pull Test & Retainability						8-2-91	JH
	I) Firing Pin Indent	.020	.021	.021			8-8-91	DH
	J) Assemble Stock						8/7/91	KS
	K) Assemble Swivel Studs						8-8-91	DH
	L) Attach Front and Rear Sight Assemblies						8/7/91	KS
	M) Iron Sight Alignment						8/7/91	KS
	N) Detach Front & Rear Sights & place in numbered container						8/7/91	KS
	O) Attach Scope to Rifle						8/7/91	KS
	P) Detach & Attach Scope 20 Times						8/7/91	KS
640	Gallery Target & Test						8/7/91	KT
	A) Time							KT
	B) Malfunctions							KT
	C) Pierced Primers							KT
	D) Optical Clarity of Scope							KT
645	Inspect for Live Ammo						8/7/91	KT
655	Final Inspection							
	A) Headspace						8-8-91	DH
	B) Trigger Pull	2.32	2.36	2.39	2.43	2.46	8-8-91	JH
	C) Function						8-8-91	DH
660	Pack						9-11-91	KS

SWS TRIGGER PULL TEST

TIME AVERAGE PULL FORCE BETWEEN
INITIAL & CYCLE TESTS
2.50# + .50#
3.00# + .75#
4.00# + 1.00#

SERIAL NO C-6636272

DATE 8-6-91

TESTER JLL

	2.50# INITIAL	2.50# AFTER 50 CYCLES	FINAL TEST & TO RESET 2.50#		COMMENTS
PULL #1	2.37	2.58	2.61	2.37	MIN. SETTING, NO AVG. OF 5 READINGS ACCEPT- ABLE LESS THAN 2#
PULL #2	2.53	2.51	2.59	2.36	
PULL #3	2.46	2.49	2.50	2.39	
PULL #4	2.48	2.58	2.55	2.43	
PULL #5	2.57	2.60	2.60	2.46	
TOTAL					
AVG.					

	3.00# INITIAL	3.00# AFTER 20 CYCLES		COMMENTS
PULL #1	3.35	3.43		
PULL #2	3.24	3.50		
PULL #3	3.38	3.48		
PULL #4	3.26	3.41		
PULL #5	3.29	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	4.26	4.17		4.48
PULL #2	4.25	4.18		4.26
PULL #3	4.20	4.19		4.45
PULL #4	4.20	4.34		4.21
PULL #5	4.20	4.48		4.19
TOTAL				
AVG.				

34
1992

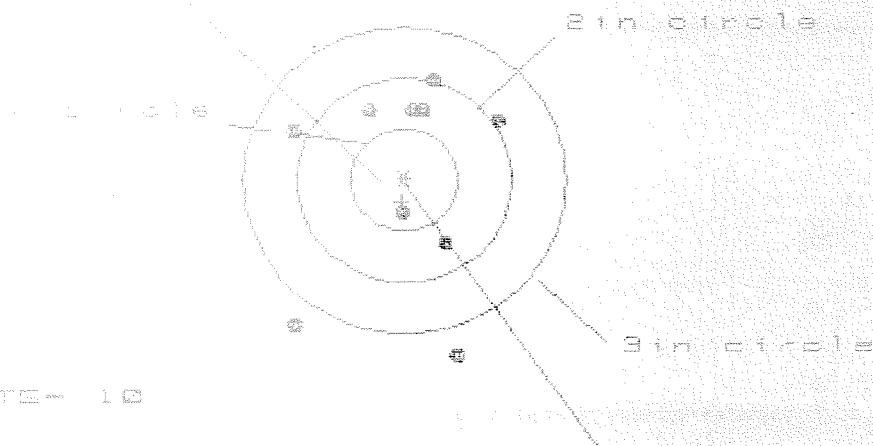
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THE AVERAGE X-COORDINATE FOR THIS RIFLE IS:  5.1706
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS:  1.1372
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS:  .218925
THE SD FOR THIS RIFLE IS:  1.149

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FILE: PATTERNING/CENTERFIRE_PATT/C6636272

CENTERFIRE PATTERNS # 1



OF SHOTS- 10

IN CIR

1 in - 1

2 in - 8

3 in - 0

CE= 1.538

VE= 2.700

GE= 2.700

CENTROID #

PATTERN #

1

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.888

.945

.821

MINIMUM X

-1.050

-1.993

-1.071

MAXIMUM Y

1.003

.814

.619

MINIMUM Y

-1.697

-1.562

-1.986

CENTROID X

.025

-.032

.092

CENTROID Y

.215

.404

.599

POA TO CENTROID in.

.217

.405

.606

MIN RADIUS

.358

.520

.289

MEAN RADIUS

.988

.864

.676

MAX RADIUS

1.773

1.851

1.074

HORIZONTAL SPREAD

1.938

1.938

1.891

VERTICAL SPREAD

2.700

2.376

1.685

EXTREME SPREAD

2.725

2.725

1.892

NUMBER IN ONE INCH CIRCLE =

1

NUMBER IN TWO INCH CIRCLE =

5

NUMBER IN THREE INCH CIRCLE =

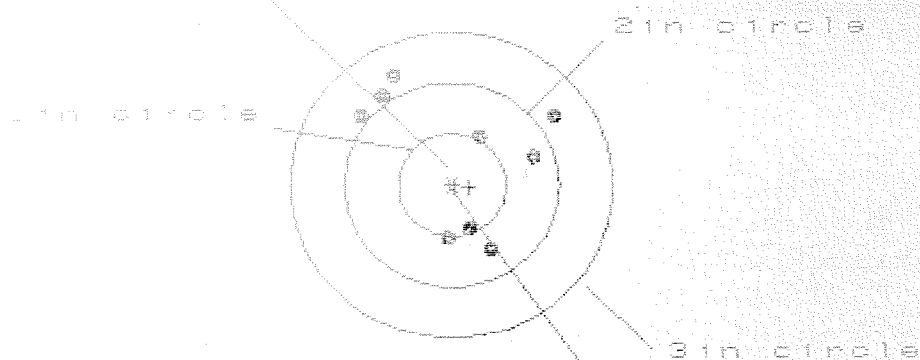
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Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8636272

CENTERFIRE PATTERNS # 2

FOR



* OF SHOTS= 10

IN CIR

1 in = 1

2 in = 5

3 in = 9

HS= 1.801

VS= 3.600

GS= 3.604

CENTROID *

PATTERN #

2

SHOTS (BEST OF)

10

9

8

MAXIMUM X

.940

.912

.844

MINIMUM X

-.853

-.889

-.957

MAXIMUM Y

1.074

.793

.738

MINIMUM Y

-2.526

-.888

-.789

CENTROID X

-.158

-.122

-.054

CENTROID Y

.022

.303

.204

FOR TO CENTROID in.

.160

.327

.211

MIN RADIUS

.426

.271

.302

MEAN RADIUS

1.009

.812

.777

MAX RADIUS

2.548

1.003

1.089

HORIZONTAL SPREAD

1.801

1.801

1.801

VERTICAL SPREAD

3.600

1.681

1.527

EXTREME SPREAD

3.604

1.867

1.831

NUMBER IN ONE INCH CIRCLE = 1

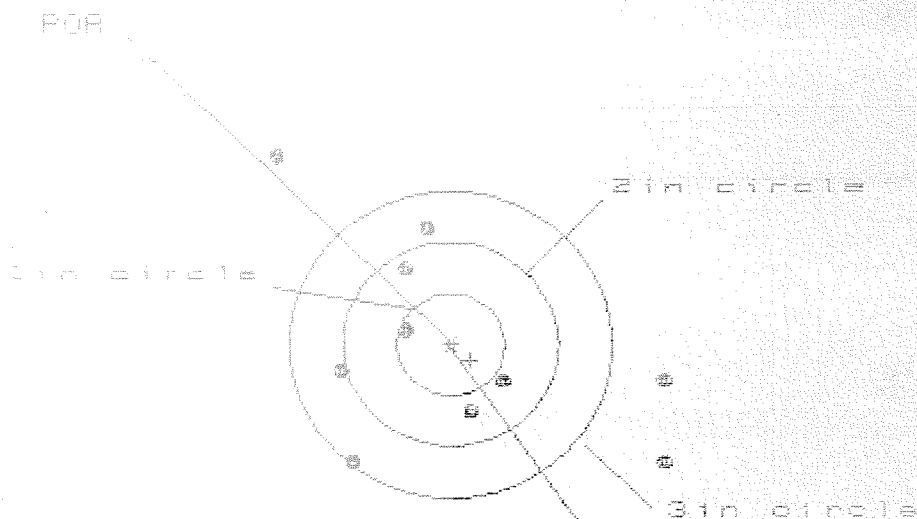
NUMBER IN TWO INCH CIRCLE = 5

NUMBER IN THREE INCH CIRCLE = 9

2 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C8635272

CENTERFIRE PATTERNS # 3



OF SHOTS- 10

IN CIR

1in = 1

2in = 4

3in = 6

HS= 3.682

VS= 3.078

GS= 4.799

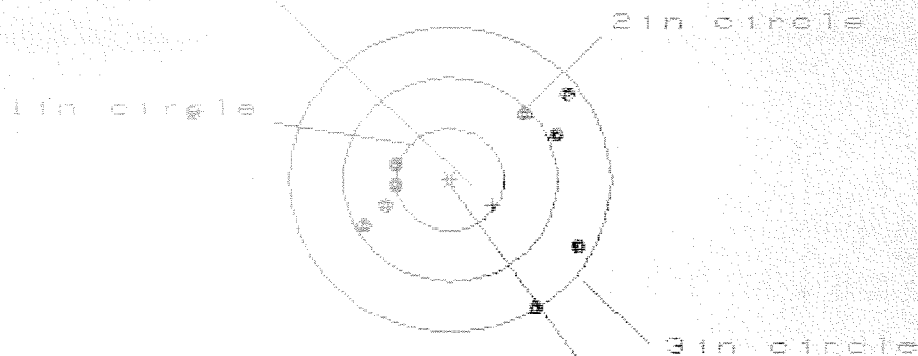
PATTERN #	:	3		
SHOTS (BEST OF)	:	10	9	8
MAXIMUM X	:	2.022	1.838	2.039
MINIMUM X	:	-1.659	-1.223	-1.993
MAXIMUM Y	:	1.894	1.400	1.278
MINIMUM Y	:	-1.184	-1.973	-1.079
CENTROID X	:	-1.182	.002	-1.220
CENTROID Y	:	.154	-.057	.065
POB TO CENTROID in.	:	.239	.057	.237
MIN RADIUS	:	.460	.309	.449
MEAN RADIUS	:	1.321	1.177	1.034
MAX RADIUS	:	2.518	2.080	2.057
HORIZONTAL SPREAD	:	3.682	3.061	3.032
VERTICAL SPREAD	:	3.078	2.373	2.357
EXTREME SPREAD	:	4.799	3.254	3.052
NUMBER IN ONE INCH CIRCLE =			1	
NUMBER IN TWO INCH CIRCLE =			4	
NUMBER IN THREE INCH CIRCLE =			6	

2 Aug 1991

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CENTERFIRE PATTERNS # 4

FOR



OF SHOTS- 10

IN CIR

1in = 0

2in = 5

3in = 5

HS= 3.634

VS= 2.120

GS= 3.862

CENTROID *

PATTERN #	4
SHOTS (BEST OF)	10
MAXIMUM X	1.188
MINIMUM X	-2.446
MAXIMUM Y	.832
MINIMUM Y	-1.288
CENTROID X	-.396
CENTROID Y	.253
POA TO CENTROID in.	.470
MIN RADIUS	.512
MEAN RADIUS	1.156
MAX RADIUS	2.528
HORIZONTAL SPREAD	3.634
VERTICAL SPREAD	2.120
EXTREME SPREAD	3.862
NUMBER IN ONE INCH CIRCLE	0
NUMBER IN TWO INCH CIRCLE	5
NUMBER IN THREE INCH CIRCLE	5

7 Aug 1991

FILE:/PATTERNING/CENTERFIRE_PATT/C6836272

CENTERFIRE PATTERNS # 5

POA

1 in circle

2 in circle

2 in circle

OF SHOTS- 10

IN CIR

1 in = 2

2 in = 3

3 in = 5

HS= 2.781

VS= 3.192

GS= 3.387

CENTROID *

PATTERN #

5

SHOTS (BEST OF)

10

9

8

MAXIMUM X

1.216

1.042

.868

MINIMUM X

-1.565

-1.219

-1.009

MAXIMUM Y

1.508

1.599

1.758

MINIMUM Y

-1.684

-1.593

-1.434

CENTROID X

-.142

.032

-.098

CENTROID Y

.042

-.049

-.208

POA TO CENTROID in.

.148

.059

.230

MIN RADIUS

.434

.299

.458

MEAN RADIUS

1.273

1.191

1.133

MAX RADIUS

1.767

1.671

1.758

HORIZONTAL SPREAD

2.781

2.261

1.949

VERTICAL SPREAD

3.192

3.192

3.192

EXTREME SPREAD

3.387

3.307

3.200

NUMBER IN ONE INCH CIRCLE =

2

NUMBER IN TWO INCH CIRCLE =

3

NUMBER IN THREE INCH CIRCLE =

5