

C5649266

MODEL 700™ M24

Model **SMS**™

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

*Remington.*

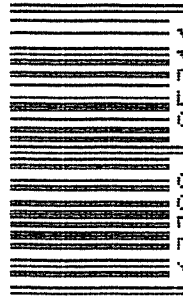
*Remington*

|                                                                                           |  |                                            |  |
|-------------------------------------------------------------------------------------------|--|--------------------------------------------|--|
| <b>Remington</b><br>REG. U.S. PAT. & TM. OFF.                                             |  | <b>DUPONT</b><br>REG. U.S. PAT. & TM. OFF. |  |
| VERY IMPORTANT:<br>Instruction Book<br>enclosed to assure<br>safe use of this<br>firearm. |  | SERIAL NO.<br>C6649266                     |  |
| MODEL 700 <sup>TM</sup> M24                                                               |  | ORDER NO.<br>5716                          |  |
| MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.     |  | 20                                         |  |



5716 C6649266

LPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649266

| OP. #        | OP. NAME                                                       | READINGS | DATE        | INIT |
|--------------|----------------------------------------------------------------|----------|-------------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 6 27 9 1 |             | RW   |
| 600          | Proof                                                          | 6 27 9 1 |             | RW   |
| 607          | Check Headspace                                                | 6 27 9 1 |             | RW   |
| 610          | Dis-assemble Gun                                               | 6 27 9 1 |             | RW   |
| 612          | Magnaflux Barrel<br>Action                                     |          | JUL 2 1991  | KR   |
|              | Magnaflux Bolt                                                 |          | JUL 2 1991  | KR   |
| 615          | Rollmark Caliber                                               |          | JUL 2 1991  | JS.  |
| 617          | Drill and Tap Sight Holes                                      |          | JUL 2 1991  | EB   |
| 618          | Polish Barrel                                                  |          | JUL 17 1991 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 7-22-91     | JA   |
|              | Apply Coating (Bolt)                                           |          |             |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 7/23/91     | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 7/23/91     | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 7/23/91     | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 7/23/91     | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 7-25-91     | H    |

**BARBER - M24 0067115**

| op. #        | OP. NAME                                                    | READINGS |       |       |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|-------|-------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 6        | 5 1/2 | 6     |      |      | 7-26-91 | DH   |
|              | G) Safety Off Force                                         | 2 1/2    | 2 3/4 | 2 3/4 |      |      | 7-26-91 | DH   |
|              | H) Trigger Pull Test & Retainability                        |          |       |       |      |      | 7-25-91 | JU   |
|              | I) Firing Pin Indent                                        | .022     | .021  | .022  |      |      | 7-26-91 | DH   |
|              | J) Assemble Stock                                           |          |       |       |      |      | 8/1/91  | RW   |
|              | K) Assemble Swivel Studs                                    |          |       |       |      |      | 8/3/91  | DH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |       |      |      | 8/1/91  | RW   |
|              | M) Iron Sight Alignment                                     |          |       |       |      |      | 8/1/91  | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |       |      |      | 8/1/91  | RW   |
|              | O) Attach Scope to Rifle                                    |          |       |       |      |      | 8/1/91  | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |       |      |      | 8/1/91  | RW   |
| 640          | Gallery Target & Test                                       |          |       |       |      |      | 8-1-91  | DH   |
|              | A) Time                                                     |          |       |       |      |      | 8-1-91  | DH   |
|              | B) Malfunctions                                             |          |       |       |      |      | 8-1-91  | DH   |
|              | C) Pierced Primers                                          |          |       |       |      |      | 8-1-91  | DH   |
|              | D) Optical Clarity of Scope                                 |          |       |       |      |      | 8-1-91  | DH   |
| 645          | Inspect for Live Ammo                                       |          |       |       |      |      | 8-1-91  | DH   |
| 655          | Final Inspection                                            |          |       |       |      |      |         |      |
|              | A) Headspace                                                |          |       |       |      |      | 8-5-91  | K    |
|              | B) Trigger Pull                                             | 2.25     | 2.33  | 2.36  | 2.30 | 2.24 | 8-5-91  | JU   |
|              | C) Function                                                 |          |       |       |      |      | 8-5-91  | K    |
| 660          | Pack                                                        |          |       |       |      |      | 9-17-91 | DH   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C6649266

DATE 7-25-91

TESTER JL

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.34             | 2.25                     | 2.26                           | 2.25 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.39             | 2.24                     | 2.30                           | 2.33 |                                                                        |
| PULL #3 | 2.27             | 2.34                     | 2.28                           | 2.36 |                                                                        |
| PULL #4 | 2.38             | 2.35                     | 2.36                           | 2.30 |                                                                        |
| PULL #5 | 2.41             | 2.24                     | 2.34                           | 2.29 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.24             | 3.51                     |  |          |
| PULL #2 | 3.21             | 3.53                     |  |          |
| PULL #3 | 3.43             | 3.51                     |  |          |
| PULL #4 | 3.46             | 3.55                     |  |          |
| PULL #5 | 3.42             | 3.60                     |  |          |
| TOTAL   |                  |                          |  |          |
| AVG.    |                  |                          |  |          |

|         | 4.00#<br>INITIAL | 4.00# AFTER<br>20 CYCLES | MAX SETTING<br>GREATER THAN 4# | RESET TO 4# FOR<br>TARGET & ACCURACY |
|---------|------------------|--------------------------|--------------------------------|--------------------------------------|
| PULL #1 | 4.52             | 4.50                     |                                | 4.48                                 |
| PULL #2 | 4.48             | 4.51                     |                                | 4.52                                 |
| PULL #3 | 4.49             | 4.51                     |                                | 4.50                                 |
| PULL #4 | 4.50             | 4.50                     |                                | 4.49                                 |
| PULL #5 | 4.47             | 4.47                     |                                | 4.49                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
 FOR RIFLE # C6649266  
 1 AUG 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .410682 |
| 1 TO | 2 | .165605 |
| 1 TO | 3 | .289154 |
| 1 TO | 4 | .541502 |
| 1 TO | 5 | .707916 |

5  
 45  $\frac{r^2}{2}$   $\leftarrow$  FOR

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1455  
 THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .246  
 THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .285859  
 THE AMR FOR THIS RIFLE IS: .9698

1 Aug 1981

FILE: \PATTERNING\CENTERFIRE\_PATT\06649268

## CENTERFIRE PATTERNS

# 1

POA

1in circle

2in circle

3in circle

CENTROID \*

# OF SHOTS = 10

# IN CIR

1in = 2

2in = 5

3in = 10

HS = 1.822

VS = 2.331

GS = 2.450

## PATTERN #

12

| SHOTS (BEST OF)               | 10    | 9     | 8     |
|-------------------------------|-------|-------|-------|
| MAXIMUM X                     | .942  | .965  | .713  |
| MINIMUM X                     | -.880 | -.857 | -.735 |
| MAXIMUM Y                     | 1.375 | 1.039 | .962  |
| MINIMUM Y                     | -.956 | -.883 | -.880 |
| CENTROID X                    | .372  | .349  | .228  |
| CENTROID Y                    | .174  | .021  | .098  |
| POA TO CENTROID in.           | .411  | .358  | .248  |
| MIN RADIUS                    | .142  | .264  | .152  |
| MEAN RADIUS                   | .827  | .779  | .693  |
| MAX RADIUS                    | 1.391 | 1.145 | 1.133 |
| HORIZONTAL SPREAD             | 1.822 | 1.822 | 1.449 |
| VERTICAL SPREAD               | 2.331 | 1.842 | 1.842 |
| EXTREME SPREAD                | 2.450 | 1.983 | 1.978 |
| NUMBER IN ONE INCH CIRCLE =   |       | 2     |       |
| NUMBER IN TWO INCH CIRCLE =   |       | 6     |       |
| NUMBER IN THREE INCH CIRCLE = |       | 10    |       |

1 May 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C66492B6

## CENTERFIRE PATTERNS

# 2

POA

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS = 10

# IN CIR

1 in = 4

2 in = 5

3 in = 7

HS = 3.557

VS = 1.730

GS = 3.610

PATTERN #

2

| SHOTS (BEST OF)               | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| MAXIMUM X                     | 1.838  | 1.502  | 1.313  |
| MINIMUM X                     | -1.719 | -1.515 | -1.351 |
| MAXIMUM Y                     | .651   | .719   | .727   |
| MINIMUM Y                     | -1.079 | -1.011 | -1.063 |
| CENTROID X                    | .452   | .248   | .437   |
| CENTROID Y                    | .319   | .251   | .243   |
| POA TO CENTROID in.           | .553   | .352   | .500   |
| MIN RADIUS                    | .227   | .369   | .177   |
| MEAN RADIUS                   | .985   | .907   | .769   |
| MAX RADIUS                    | 1.938  | 1.550  | 1.534  |
| HORIZONTAL SPREAD             | 3.557  | 3.017  | 2.664  |
| VERTICAL SPREAD               | 1.730  | 1.730  | 1.730  |
| EXTREME SPREAD                | 3.610  | 3.034  | 2.685  |
| NUMBER IN ONE INCH CIRCLE =   | 4      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 7      |        |        |



1 Aug 1991

FILE: \PATTERNING\CENTERFIRE\_PATT\06649256

## CENTERFIRE PATTERNS # 3

POB

1in circle

2in circle

3in circle

CENTROID #

# OF SHOTS = 10

# IN CIR

1in = 2

2in = 5

3in = 8

HSI = 2.8000

VS = 2.596

GS = 3.650

| PATTERN #                     | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.201  | 1.024  | 1.122  |
| MINIMUM X                     | -1.599 | -1.938 | -1.840 |
| MAXIMUM Y                     | 1.240  | 1.089  | .814   |
| MINIMUM Y                     | -1.356 | -1.298 | -1.162 |
| CENTROID X                    | .123   | .300   | .202   |
| CENTROID Y                    | .027   | .178   | .041   |
| POB TO CENTROID in.           | .126   | .348   | .206   |
| MIN RADIUS                    | .290   | .265   | .328   |
| MEAN RADIUS                   | 1.039  | .917   | .847   |
| MAX RADIUS                    | 2.096  | 1.487  | 1.343  |
| HORIZONTAL SPREAD             | 2.800  | 1.962  | 1.962  |
| VERTICAL SPREAD               | 2.596  | 2.387  | 1.975  |
| EXTREME SPREAD                | 3.650  | 2.827  | 2.593  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |

1 Aug 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6649288

## CENTERFIRE PATTERNS # 4

POA

1 in circle

2 in circle

3 in circle

# OF SHOTS = 10

# IN CIR

1 in = 0

2 in = 5

3 in = 8

HS = 2.121

VS = 3.322

GS = 3.529

CENTROID \*

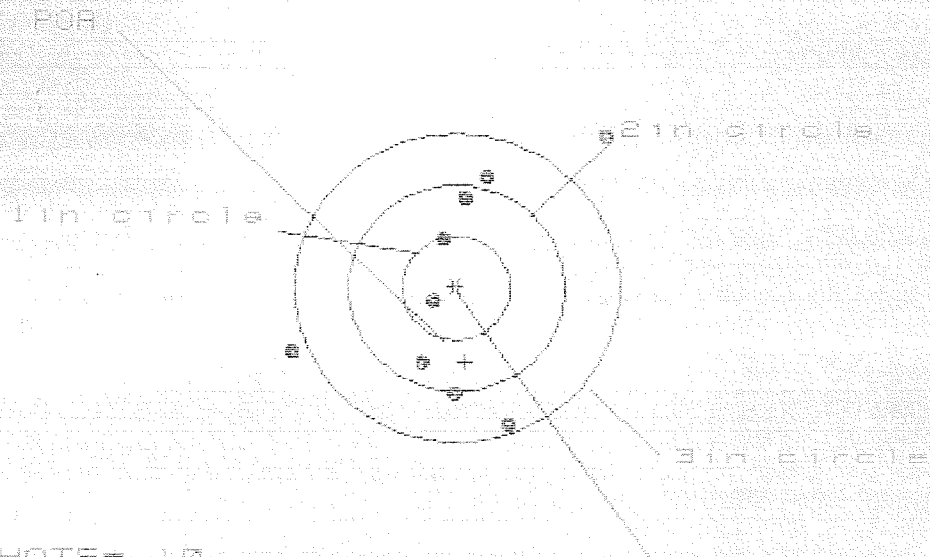
PATTERN # : 4

| SHOTS (BEST OF)               | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| MAXIMUM X                     | .943   | .861   | .908   |
| MINIMUM X                     | -1.178 | -1.260 | -1.213 |
| MAXIMUM Y                     | 1.668  | 1.484  | .760   |
| MINIMUM Y                     | -1.854 | -1.164 | -1.978 |
| CENTROID X                    | -.108  | -.856  | -.103  |
| CENTROID Y                    | -.008  | .176   | -.010  |
| POA TO CENTROID in.           | .139   | .184   | .102   |
| MIN RADIUS                    | .547   | .480   | .551   |
| MEAN RADIUS                   | 1.016  | .909   | .827   |
| MAX RADIUS                    | 1.811  | 1.530  | 1.223  |
| HORIZONTAL SPREAD             | 2.121  | 2.121  | 2.121  |
| VERTICAL SPREAD               | 3.322  | 2.648  | 1.739  |
| EXTREME SPREAD                | 3.529  | 2.655  | 2.194  |
| NUMBER IN ONE INCH CIRCLE =   | 0      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |

1 AUG 1981

FILE:/PATTERNING/CENTERFIRE\_PATT/C8549066

## CENTERFIRE PATTERNS # 5



# OF SHOTS = 10

# IN CIR

1in = 2

2in = 5

3in = 8

HS = 2.905

VS = 2.786

GS = 3.554

CENTROID \*

| PATTERN #                     | 10     | 9      | 8      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.407  | .649   | .431   |
| MINIMUM X                     | -1.498 | -1.341 | -.313  |
| MAXIMUM Y                     | 1.443  | 1.272  | 1.216  |
| MINIMUM Y                     | -1.343 | -1.182 | -1.238 |
| CENTROID X                    | -.081  | -.238  | -.070  |
| CENTROID Y                    | .710   | .557   | .610   |
| POA TO CENTROID in.           | .722   | .606   | .617   |
| MIN RADIUS                    | .197   | .060   | .195   |
| MEAN RADIUS                   | .982   | .823   | .771   |
| MAX RADIUS                    | 2.016  | 1.413  | 1.328  |
| HORIZONTAL SPREAD             | 2.905  | 1.990  | .794   |
| VERTICAL SPREAD               | 2.786  | 2.454  | 2.454  |
| EXTREME SPREAD                | 3.554  | 2.400  | 2.462  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |