

C6636176

MODEL 700<sup>TM</sup> M24

Model **SMS** <sup>TM</sup>

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.



**Remington**<sup>®</sup> **DUPONT**  
REG. U.S. PAT. & TM. OFF.

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

**MODEL 700<sup>TM</sup> M24**

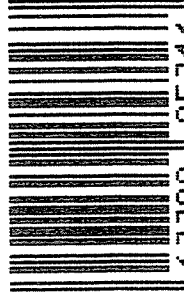
MADE IN ILLION, N.Y. U.S.A. Reg. U.S. Pat. & Tm. Off. Marca Registrada Marque Deposee.

|                               |                                 |
|-------------------------------|---------------------------------|
| <b>SERIAL NO.</b><br>C6636176 | <b>ORDER NO.</b><br><b>5716</b> |
|-------------------------------|---------------------------------|



5716 C6636176

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6636176

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 5 2 9 1  |         | RW   |
| 600          | Proof                                                          | 5 2 9 1  |         | RW   |
| 607          | Check Headspace                                                | 5 2 9 1  |         | RW   |
| 610          | Dis-assemble Gun                                               | 5 2 9 1  |         | RW   |
| 612          | Magnaflux Barrel<br>Action                                     | 5 2 0 1  |         | KCR  |
|              | Magnaflux Bolt                                                 | 5 8 9 1  |         | KCR  |
| 615          | Rollmark Caliber                                               | 5 8 9 1  |         | GB   |
| 617          | Drill and Tap Sight Holes                                      | 5 15 9 1 |         | WB   |
| 618          | Polish Barrel                                                  | 5 15 9 1 |         | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 5/29/91 | DA   |
|              | Apply Coating (Bolt)                                           |          |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 5/30/91 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 5/30/91 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 5/30/91 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 5/30/91 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 5/31/91 | RY   |

| op. #        | BARBER M24 0038586                                          | READINGS |       |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|-------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 6        | 6     | 6    |      |      | 5-31-91 | DH   |
|              | G) Safety Off Force                                         | 4        | 3 1/2 | 3    |      |      | 5-31-91 | DH   |
|              | H) Trigger Pull Test & Retainability                        |          |       |      |      |      | 5/31/91 | JK   |
|              | I) Firing Pin Indent                                        | .020     | .020  | .020 |      |      | 5-31-91 | DH   |
|              | J) Assemble Stock                                           |          |       |      |      |      | 6/1/92  | RW   |
|              | K) Assemble Swivel Studs                                    |          |       |      |      |      | 6-8-91  | DH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |       |      |      |      | 6/1/91  | RW   |
|              | M) Iron Sight Alignment                                     |          |       |      |      |      | 6/1/91  | RW   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |       |      |      |      | 6/1/92  | RW   |
|              | O) Attach Scope to Rifle                                    |          |       |      |      |      | 6/1/92  | RW   |
|              | P) Detach & Attach Scope 20 Times                           |          |       |      |      |      | 6/1/91  | RW   |
| 640          | Gallery Target & Test                                       |          |       |      |      |      | 6-3-91  | DH   |
|              | A) Time                                                     |          |       |      |      |      | 6-3-91  | DH   |
|              | B) Malfunctions                                             |          |       |      |      |      | 6-3-91  | DH   |
|              | C) Pierced Primers                                          |          |       |      |      |      | 6-3-91  | DH   |
|              | D) Optical Clarity of Scope                                 |          |       |      |      |      | 6-3-91  | DH   |
| 645          | Inspect for Live Ammo                                       |          |       |      |      |      | 6-3-91  | DH   |
| 655          | Final Inspection                                            |          |       |      |      |      |         |      |
|              | A) Headspace                                                |          |       |      |      |      | 6-8-91  | DH   |
|              | B) Trigger Pull                                             | 2-18     | 2-18  | 2-14 | 2-20 | 2-26 | 6-8-91  | JK   |
|              | C) Function                                                 |          |       |      |      |      | 6-8-91  | DH   |
| 660          | Pack                                                        |          |       |      |      |      | 6-20-91 | WF   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# + .50#

3.00# + .75#

4.00# + 1.00#

SERIAL NO. C6636176

DATE 5/31/91

TESTER JU

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.52             | 2.51                     | 2.57                           | 2.18 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.51             | 2.53                     | 2.53                           | 2.18 |                                                                        |
| PULL #3 | 2.59             | 2.55                     | 2.50                           | 2.14 |                                                                        |
| PULL #4 | 2.54             | 2.58                     | 2.56                           | 2.20 |                                                                        |
| PULL #5 | 2.52             | 2.56                     | 2.49                           | 2.26 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.60             | 3.55                     |  |          |
| PULL #2 | 3.67             | 3.56                     |  |          |
| PULL #3 | 3.45             | 3.49                     |  |          |
| PULL #4 | 3.52             | 3.52                     |  |          |
| PULL #5 | 3.52             | 3.62                     |  |          |
| 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 | 4.40             | 4.46                     |                                | 4.40                                 |
| PULL #2 | 4.53             | 4.38                     |                                | 4.39                                 |
| PULL #3 | 4.50             | 4.34                     |                                | 4.39                                 |
| PULL #4 | 4.51             | 4.38                     |                                | 4.45                                 |
| PULL #5 | 4.59             | 4.41                     |                                | 4.42                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6636176  
3 Jun 1991

CENTROIDAL DISTANCES

|      |   |         |
|------|---|---------|
| 0 TO | 1 | .370061 |
| 1 TO | 2 | .343513 |
| 1 TO | 3 | .223732 |
| 1 TO | 4 | .220229 |
| 1 TO | 5 | .199023 |

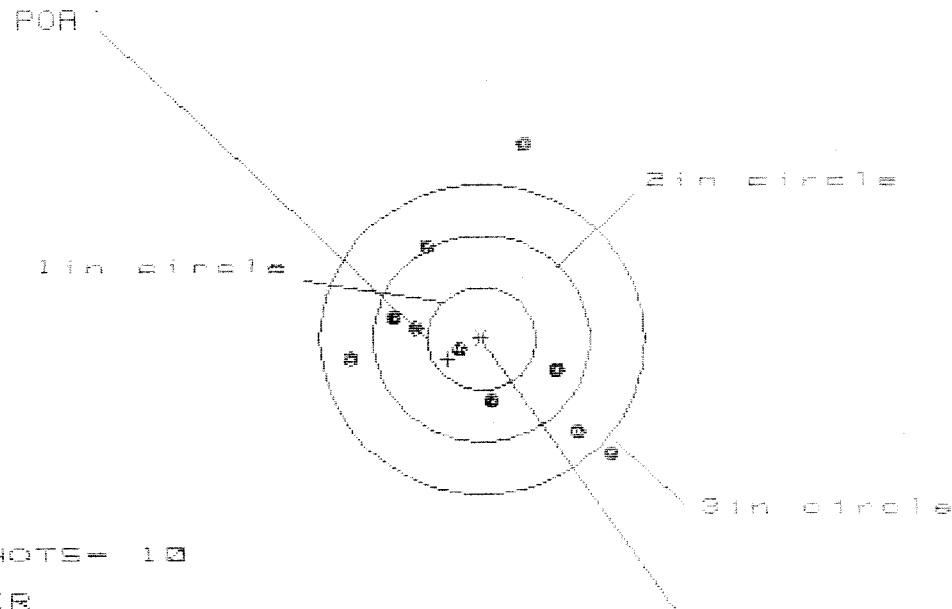
 ----POB

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .3328  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: .1578  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .368316  
THE AMR FOR THIS RIFLE IS: 1.004

3 Jun 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C863617E

## CENTERFIRE PATTERNS # 1



# OF SHOTS= 10

# IN CIR

1in = 1

2in = 5

3in = 8

HS= 2.408

VS= 2.975

GS= 3.079

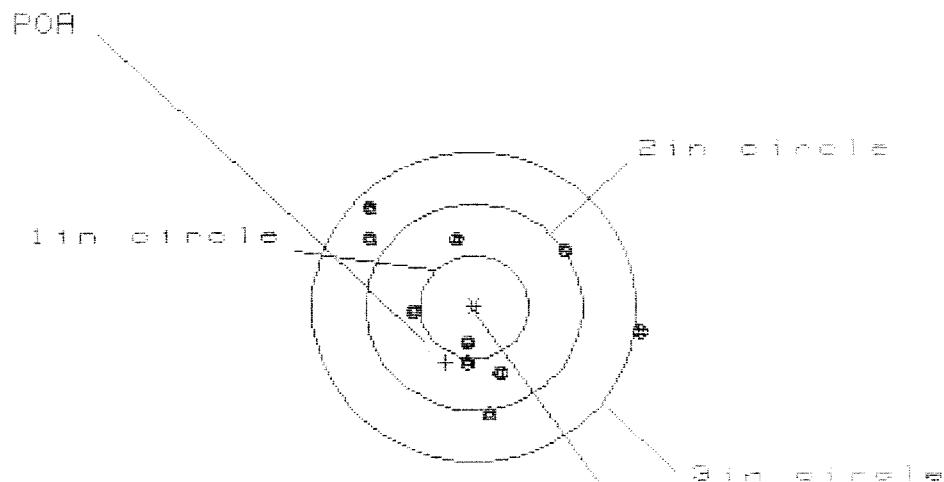
CENTROID #

| PATTERN #                     | 1      | 2      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 6      |
| MAXIMUM X                     | 1.194  | 1.238  | 1.059  |
| MINIMUM X                     | -1.214 | -1.170 | -1.015 |
| MAXIMUM Y                     | 1.905  | 1.094  | .986   |
| MINIMUM Y                     | -1.070 | -.858  | -.763  |
| CENTROID X                    | .312   | .268   | .113   |
| CENTROID Y                    | .199   | -.013  | .095   |
| POR TO CENTROID in.           | .370   | .268   | .147   |
| MIN RADIUS                    | .198   | .194   | .032   |
| MEAN RADIUS                   | .992   | .859   | .739   |
| MAX RADIUS                    | 1.946  | 1.507  | 1.305  |
| HORIZONTAL SPREAD             | 2.408  | 2.408  | 2.074  |
| VERTICAL SPREAD               | 2.975  | 1.952  | 1.749  |
| EXTREME SPREAD                | 3.079  | 2.568  | 2.200  |
| NUMBER IN ONE INCH CIRCLE =   | 1      |        |        |
| NUMBER IN TWO INCH CIRCLE =   | 5      |        |        |
| NUMBER IN THREE INCH CIRCLE = | 8      |        |        |

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## CENTERFIRE PATTERNS # 2



# OF SHOTS = 10

# IN CIR

1in = 1

2in = 5

3in = 9

HSI = 2.464

VS = 1.999

GS = 2.757

CENTROID #

| PATTERN #                   | : | 2     |        |       |
|-----------------------------|---|-------|--------|-------|
| SHOTS (BEST OF)             | : | 10    | 9      | 8     |
| MAXIMUM X                   | : | 1.498 | .997   | .897  |
| MINIMUM X                   | : | -.966 | -.799  | -.872 |
| MAXIMUM Y                   | : | 1.002 | .976   | .763  |
| MINIMUM Y                   | : | -.997 | -1.023 | -.901 |
| CENTROID X                  | : | .263  | .096   | .196  |
| CENTROID Y                  | : | .539  | .565   | .443  |
| POA TO CENTROID in.         | : | .600  | .573   | .485  |
| MIN RADIUS                  | : | .325  | .361   | .223  |
| MEAN RADIUS                 | : | .894  | .812   | .729  |
| MAX RADIUS                  | : | 1.516 | 1.261  | 1.159 |
| HORIZONTAL SPREAD           | : | 2.464 | 1.796  | 1.769 |
| VERTICAL SPREAD             | : | 1.999 | 1.999  | 1.664 |
| EXTREME SPREAD              | : | 2.757 | 2.304  | 2.005 |
| NUMBER IN ONE INCH CIRCLE   | = |       | 1      |       |
| NUMBER IN TWO INCH CIRCLE   | = |       | 5      |       |
| NUMBER IN THREE INCH CIRCLE | = |       | 9      |       |

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## CENTERFIRE PATTERNS

# 3

POA

1in circle

2in circle

3in circle

CENTROID #

# OF SHOTS = 10

# IN CIR

1in = 3

2in = 5

3in = 9

HS = 0.251

VS = 0.707

GS = 0.954

| PATTERN #                     | 3      | 3      | 3      |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.175  | 1.232  | 1.155  |
| MINIMUM X                     | -1.076 | -1.019 | -1.096 |
| MAXIMUM Y                     | 1.235  | 1.071  | 1.141  |
| MINIMUM Y                     | -1.472 | -1.789 | -1.655 |
| CENTROID X                    | .462   | .405   | .482   |
| CENTROID Y                    | .033   | .197   | .063   |
| POA TO CENTROID in.           | .463   | .450   | .486   |
| MIN RADIUS                    | .167   | .330   | .176   |
| MEAN RADIUS                   | .878   | .825   | .732   |
| MAX RADIUS                    | 1.558  | 1.289  | 1.277  |
| HORIZONTAL SPREAD             | 2.251  | 2.251  | 2.251  |
| VERTICAL SPREAD               | 2.707  | 1.860  | 1.796  |
| EXTREME SPREAD                | 2.954  | 2.389  | 2.389  |
| NUMBER IN ONE INCH CIRCLE =   |        | 3      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 9      |        |

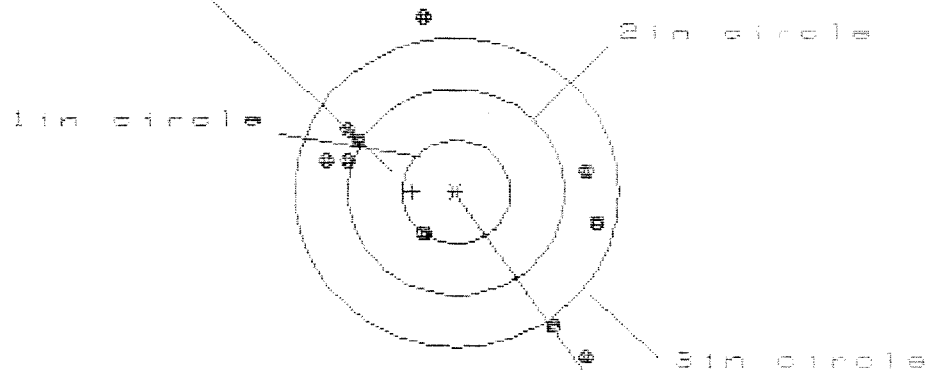
3 Jun 1991

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## CENTERFIRE PATTERNS

# 4

POA



# OF SHOTS- 10

# IN CIR

1 in - 0

2 in - 1

3 in - 7

HS= 2.556

VS= 3.277

GS= 3.618

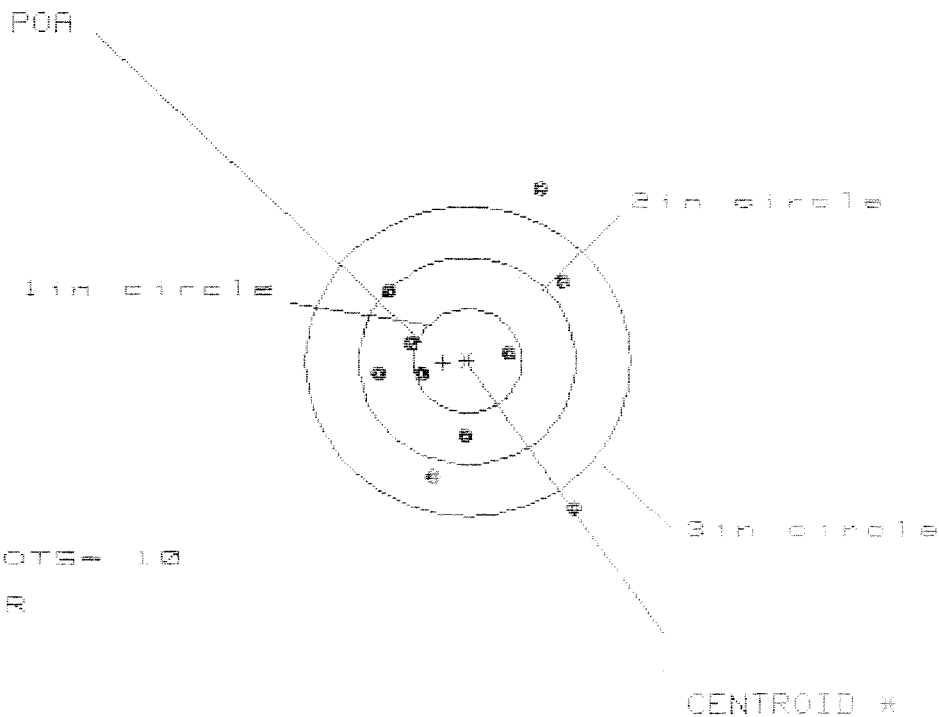
CENTROID #

| PATTERN #                     | 4      |        |        |
|-------------------------------|--------|--------|--------|
| SHOTS (BEST OF)               | 10     | 9      | 8      |
| MAXIMUM X                     | 1.339  | 1.477  | 1.458  |
| MINIMUM X                     | -1.217 | -1.079 | -1.098 |
| MAXIMUM Y                     | 1.696  | 1.521  | .647   |
| MINIMUM Y                     | -1.581 | -1.510 | -1.320 |
| CENTROID X                    | .402   | .264   | .283   |
| CENTROID Y                    | -.002  | .173   | -.017  |
| POA TO CENTROID in.           | .402   | .316   | .283   |
| MIN RADIUS                    | .526   | .627   | .454   |
| MEAN RADIUS                   | 1.289  | 1.173  | 1.122  |
| MAX RADIUS                    | 2.012  | 1.804  | 1.637  |
| HORIZONTAL SPREAD             | 2.556  | 2.556  | 2.556  |
| VERTICAL SPREAD               | 3.277  | 3.031  | 1.967  |
| EXTREME SPREAD                | 3.618  | 3.238  | 2.696  |
| NUMBER IN ONE INCH CIRCLE =   |        | 0      |        |
| NUMBER IN TWO INCH CIRCLE =   |        | 1      |        |
| NUMBER IN THREE INCH CIRCLE = |        | 7      |        |

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FILE:/PATTERNING/CENTERFIRE\_PATT/C8836176

## CENTERFIRE PATTERNS # 5



# OF SHOTS= 10

# IN CIR

1in = 2

2in = 5

3in = 8

HS= 1.817

VS= 3.027

GS= 3.043

| PATTERN #                     | 5      |
|-------------------------------|--------|
| SHOTS (BEST OF)               | 10     |
| MAXIMUM X                     | .970   |
| MINIMUM X                     | -.847  |
| MAXIMUM Y                     | 1.655  |
| MINIMUM Y                     | -1.372 |
| CENTROID X                    | .225   |
| CENTROID Y                    | .020   |
| POA TO CENTROID in.           | .225   |
| MIN RADIUS                    | .385   |
| MEAN RADIUS                   | .965   |
| MAX RADIUS                    | 1.782  |
| HORIZONTAL SPREAD             | 1.817  |
| VERTICAL SPREAD               | 3.027  |
| EXTREME SPREAD                | 3.043  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |
| NUMBER IN TWO INCH CIRCLE =   | 5      |
| NUMBER IN THREE INCH CIRCLE = | 8      |