

C6649069

MODEL 700<sup>TH</sup> M24

Model **SMS** <sup>TH</sup>

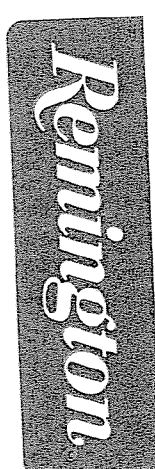
Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

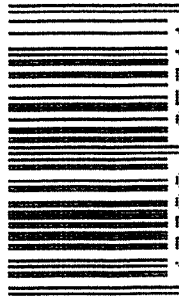


|                                                                                                          |  |                                                                |  |                                                                                           |
|----------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------|--|-------------------------------------------------------------------------------------------|
| <b>Remington</b><br><small>REG. U.S. PAT. &amp; TM. OFF.</small>                                         |  | <b>DU PONT</b><br><small>REG. U.S. PAT. &amp; TM. OFF.</small> |  | VERY IMPORTANT:<br>Instruction Book<br>enclosed to assure<br>safe use of this<br>firearm. |
| <b>MODEL 700<sup>TM</sup> H24</b>                                                                        |  | <b>SERIAL NO.</b><br>C6649069                                  |  | <b>ORDER NO.</b><br><b>5716</b>                                                           |
| <small>MADE IN ILION, N.Y. U.S.A. Reg. U.S. Pat. &amp; Tm. Off. Marca Registrada Marque Deposee.</small> |  | 20                                                             |  |                                                                                           |



5716 C6649069

UPC



0 47700 25716 7

CONTRACT # DAAA21-87-C-0086

GUN SERIAL # C6649069

| OP. #        | OP. NAME                                                       | READINGS | DATE    | INIT |
|--------------|----------------------------------------------------------------|----------|---------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   | 6 25     | 9 1     | RW   |
| 600          | Proof                                                          | 6 25     | 9 1     | RW   |
| 607          | Check Headspace                                                | 6 25     | 9 1     | RW   |
| 610          | Dis-assemble Gun                                               | 6 25     | 9 1     | RW   |
| 612          | Magnaflux Barrel<br>Action                                     | JUL      | 1 1991  | KR   |
|              | Magnaflux Bolt                                                 | JUL      | 1 1991  | KR   |
| 615          | Rollmark Caliber                                               | JUL      | 1 1991  | SS   |
| 617          | Drill and Tap Sight Holes                                      | JUL      | 1 1991  | LB   |
| 618          | Polish Barrel                                                  | JUL      | 2 1991  | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 8-27-91 | JA   |
|              | Apply Coating (Bolt)                                           |          |         |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 8/27/91 | RW   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 8/27/91 | RW   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 8/27/91 | RW   |
|              | D) Oil Firing Pin Ass'y                                        |          | 8/27/91 | RW   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 8/28/91 | HL   |

| op. #        | BARBER M24 0031294                                          | READINGS |      |      | DATE    | INIT |         |    |
|--------------|-------------------------------------------------------------|----------|------|------|---------|------|---------|----|
| 625<br>cont. | F) Safety On Force                                          | 7        | 6    | 6    | 8-28-91 | DH   |         |    |
|              | G) Safety Off Force                                         | 3        | 2½   | 2½   | 8-28-91 | DH   |         |    |
|              | H) Trigger Pull Test & Retainability                        |          |      |      | 8/28/91 | JH   |         |    |
|              | I) Firing Pin Indent                                        | .021     | .022 | .021 | 8-28-91 | DH   |         |    |
|              | J) Assemble Stock                                           |          |      |      | 8/29/91 | RW   |         |    |
|              | K) Assemble Swivel Studs                                    |          |      |      | 8-31-91 | DH   |         |    |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      | 8/29/91 | RW   |         |    |
|              | M) Iron Sight Alignment                                     |          |      |      | 8/29/91 | RW   |         |    |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      | 8/29/91 | RW   |         |    |
|              | O) Attach Scope to Rifle                                    |          |      |      | 8/29/91 | RW   |         |    |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      | 8/29/91 | RW   |         |    |
| 640          | Gallery Target & Test                                       |          |      |      | 8-29-91 | NF   |         |    |
|              | A) Time                                                     |          |      |      | "       | NF   |         |    |
|              | B) Malfunctions                                             |          |      |      | "       | NF   |         |    |
|              | C) Pierced Primers                                          |          |      |      | "       | NF   |         |    |
|              | D) Optical Clarity of Scope                                 |          |      |      | "       | NF   |         |    |
| 645          | Inspect for Live Ammo                                       |          |      |      | 8-29-91 | NF   |         |    |
| 655          | Final Inspection                                            |          |      |      |         |      |         |    |
|              | A) Headspace                                                |          |      |      | 8-31-91 | DH   |         |    |
|              | B) Trigger Pull                                             | 238      | 248  | 253  | 258     | 267  | 8-31-91 | DH |
|              | C) Function                                                 |          |      |      |         |      | 8-31-91 | DH |
| 660          | Pack                                                        |          |      |      |         |      | 8-18-91 | NF |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# + .50#  
3.00# + .75#  
4.00# + 1.00#

SERIAL NO. C-6649069DATE 8/28/21TESTER JU

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.53             | 2.49                     | 2.47                           | 2.38 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.47             | 2.48                     | 2.49                           | 2.48 |                                                                        |
| PULL #3 | 2.44             | 2.46                     | 2.50                           | 2.53 |                                                                        |
| PULL #4 | 2.44             | 2.46                     | 2.43                           | 2.58 |                                                                        |
| PULL #5 | 2.46             | 2.47                     | 2.40                           | 2.67 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.10             | 3.46                     |  |          |
| PULL #2 | 3.53             | 3.55                     |  |          |
| PULL #3 | 3.44             | 3.48                     |  |          |
| PULL #4 | 3.25             | 3.31                     |  |          |
| PULL #5 | 3.18             | 3.47                     |  |          |
| 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 | 4.43             | 4.41                     |                                | 4.35                                 |
| PULL #2 | 4.32             | 4.23                     |                                | 4.41                                 |
| PULL #3 | 4.29             | 4.18                     |                                | 4.24                                 |
| PULL #4 | 4.38             | 4.19                     |                                | 4.34                                 |
| PULL #5 | 4.38             | 4.19                     |                                | 4.37                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # C6649069  
29 Aug 1991

## CENTROIDAL DISTANCES

|        |         |
|--------|---------|
| 0 TO 1 | .196736 |
| 1 TO 2 | .501597 |
| 1 TO 3 | .791255 |
| 1 TO 4 | .317591 |
| 1 TO 5 | .519728 |

1<sup>42</sup>  
+<sub>5</sub>  
3

<----POA

THE AVERAGE X-COORDINATE FOR THIS RIFLE IS: .1082  
THE AVERAGE Y-COORDINATE FOR THIS RIFLE IS: -.0338  
THE RESULTING AVERAGE POI RADIUS FOR THIS RIFLE IS: .113356  
THE AMP FOR THIS RIFLE IS: .8204

29 Aug 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6649069

## CENTERFIRE PATTERNS # 3

POR

1 in circle

2 in circle

3 in circle

CENTROID \*

# OF SHOTS = 10

# IN CIR

1 in = 3

2 in = 5

3 in = 10

HS = .987

VS = 2.403

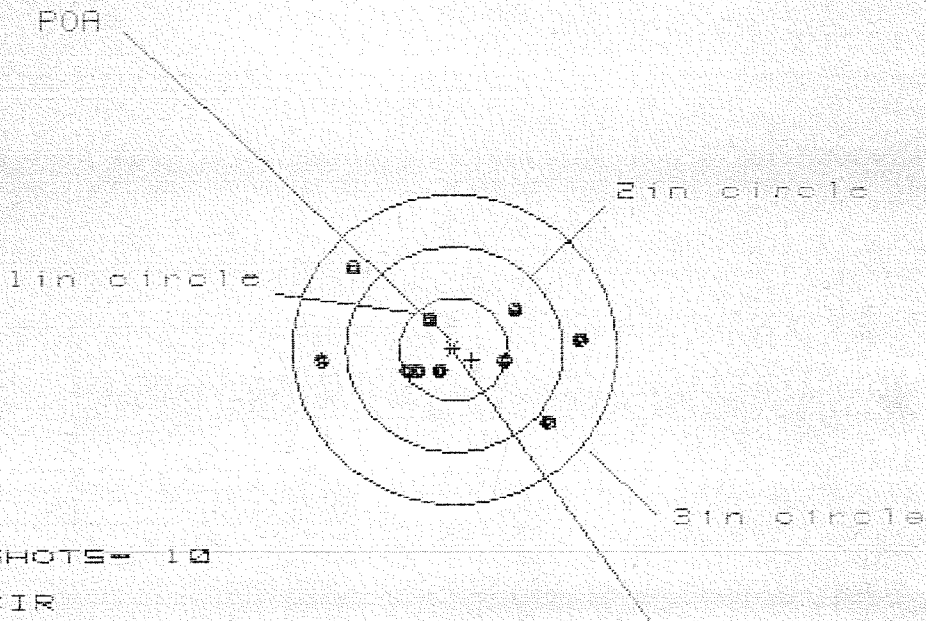
GS = 2.438

| PATTERN #                   | 3      |
|-----------------------------|--------|
| SHOTS (BEST OF)             | 10     |
| MAXIMUM X                   | .380   |
| MINIMUM X                   | -.507  |
| MAXIMUM Y                   | 1.211  |
| MINIMUM Y                   | -1.192 |
| CENTROID X                  | .143   |
| CENTROID Y                  | -.624  |
| POR TO CENTROID IN.         | .640   |
| MIN RADIUS                  | .193   |
| MEAN RADIUS                 | .765   |
| MAX RADIUS                  | 1.251  |
| HORIZONTAL SPREAD           | .887   |
| VERTICAL SPREAD             | 2.403  |
| EXTREME SPREAD              | 2.438  |
| NUMBER IN ONE INCH CIRCLE   | 3      |
| NUMBER IN TWO INCH CIRCLE   | 6      |
| NUMBER IN THREE INCH CIRCLE | 10     |

29 Aug 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6B49063

## CENTERFIRE PATTERNS # 1



# OF SHOTS = 10

# IN CIR

1 in = 5

2 in = 6

3 in = 10

HS = 2.363

VS = 1.494

GS = 2.377

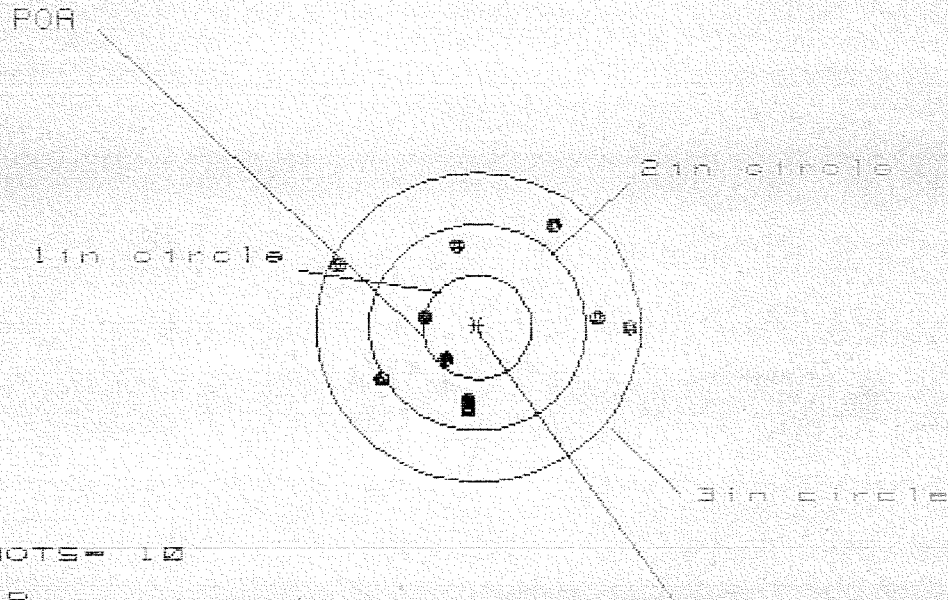
CENTROID #

| PATTERN #                     | 1      | 2      | 3     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | 1.176  | 1.076  | .915  |
| MINIMUM X                     | -1.187 | -1.287 | -.658 |
| MAXIMUM Y                     | .906   | .485   | .482  |
| MINIMUM Y                     | -.688  | -.599  | -.602 |
| CENTROID X                    | -.167  | -.067  | .093  |
| CENTROID Y                    | .104   | .015   | .018  |
| POA TO CENTROID in.           | .197   | .069   | .095  |
| MIN RADIUS                    | .231   | .250   | .225  |
| MEAN RADIUS                   | .726   | .672   | .600  |
| MAX RADIUS                    | 1.203  | 1.287  | .944  |
| HORIZONTAL SPREAD             | 2.363  | 2.363  | 1.574 |
| VERTICAL SPREAD               | 1.494  | 1.084  | 1.084 |
| EXTREME SPREAD                | 2.377  | 2.377  | 1.620 |
| NUMBER IN ONE INCH CIRCLE =   | 5      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 6      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 10     |        |       |

29 Aug 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6649063

## CENTERFIRE PATTERNS # 2



# OF SHOTS = 10

# IN CIR

1 in = 2

2 in = 5

3 in = 10

HS = 2.699

VS = 1.799

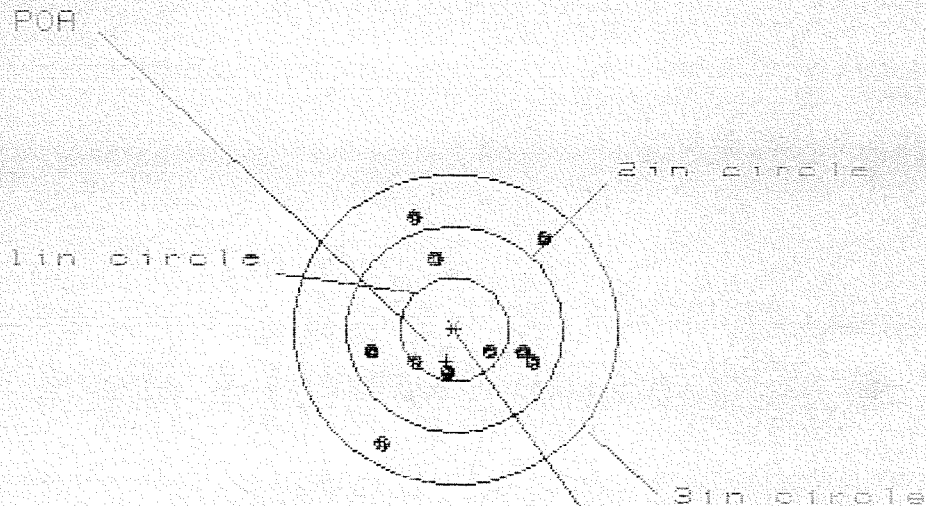
GS = 2.765

| PATTERN #                   | : | 2      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.413  | 1.286  | 1.145  |
| MINIMUM X                   | : | -1.286 | -1.129 | -0.832 |
| MAXIMUM Y                   | : | .950   | .946   | 1.016  |
| MINIMUM Y                   | : | -.849  | -.853  | -.783  |
| CENTROID X                  | : | .293   | .136   | .277   |
| CENTROID Y                  | : | .304   | .308   | .238   |
| POA TO CENTROID in.         | : | .423   | .337   | .365   |
| MIN RADIUS                  | : | .406   | .307   | .347   |
| MEAN RADIUS                 | : | .943   | .861   | .815   |
| MAX RADIUS                  | : | 1.413  | 1.289  | 1.237  |
| HORIZONTAL SPREAD           | : | 2.699  | 2.415  | 1.977  |
| VERTICAL SPREAD             | : | 1.799  | 1.799  | 1.799  |
| EXTREME SPREAD              | : | 2.765  | 2.461  | 2.146  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 10     |        |

29 Aug 1991

FILE:/PATTERNING/CENTERFIRE\_PATT/C6B49063

## CENTERFIRE PATTERNS # 4



# OF SHOTS= 10

# IN CIR

1in = 3

2in = 7

3in = 10

HS= 1.620

VS= 2.190

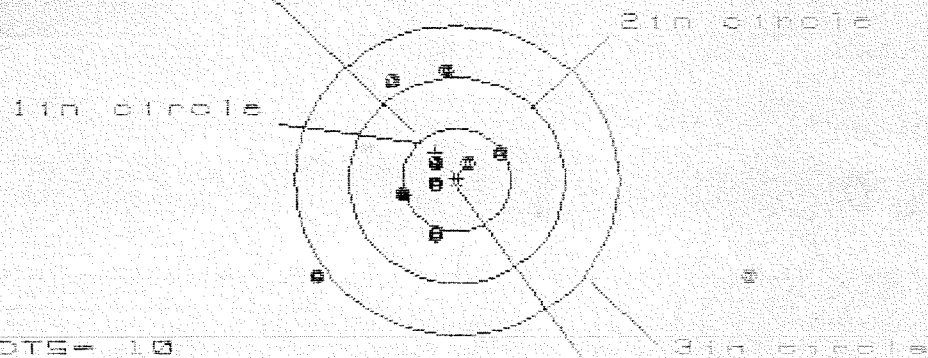
GS= 2.519

CENTROID \*

| PATTERN #                   | 4      |       |       |
|-----------------------------|--------|-------|-------|
| SHOTS (BEST OF)             | 10     | 9     | 8     |
| MAXIMUM X                   | .825   | .752  | .703  |
| MINIMUM X                   | -.795  | -.868 | -.774 |
| MAXIMUM Y                   | 1.074  | .950  | 1.050 |
| MINIMUM Y                   | -1.116 | -.507 | -.487 |
| CENTROID X                  | .073   | .146  | .052  |
| CENTROID Y                  | .312   | .436  | .336  |
| POA TO CENTROID in.         | .320   | .459  | .340  |
| MIN RADIUS                  | .343   | .369  | .373  |
| MEAN RADIUS                 | .776   | .727  | .659  |
| MAX RADIUS                  | 1.292  | 1.098 | 1.116 |
| HORIZONTAL SPREAD           | 1.620  | 1.620 | 1.477 |
| VERTICAL SPREAD             | 2.190  | 1.457 | 1.457 |
| EXTREME SPREAD              | 2.519  | 1.972 | 1.775 |
| NUMBER IN ONE INCH CIRCLE   | =      | 3     |       |
| NUMBER IN TWO INCH CIRCLE   | =      | 7     |       |
| NUMBER IN THREE INCH CIRCLE | =      | 10    |       |

FILE:/PATTERNING/CENTERFIRE PATT:C6649069

## POA



4. 333

CENTROID 大

| PATTERN #                   | : | 1      | 2      | 3     |
|-----------------------------|---|--------|--------|-------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8     |
| MAXIMUM X                   | : | 2.704  | .714   | .581  |
| MINIMUM X                   | : | -1.334 | -1.033 | -.381 |
| MAXIMUM Y                   | : | 1.035  | .930   | .798  |
| MINIMUM Y                   | : | -.954  | -1.059 | -.764 |
| CENTROID X                  | : | .199   | -.102  | -.028 |
| CENTROID Y                  | : | -.265  | -.160  | -.028 |
| PDA TO CENTROID in.         | : | .331   | .190   | .039  |
| MIN RADIUS                  | : | .174   | .099   | .088  |
| MEAN RADIUS                 | : | .892   | .628   | .512  |
| MAX RADIUS                  | : | 2.864  | 1.479  | .834  |
| HORIZONTAL SPREAD           | : | 4.038  | 1.747  | .965  |
| VERTICAL SPREAD             | : | 1.989  | 1.989  | 1.562 |
| EXTREME SPREAD              | : | 4.038  | 2.333  | 1.565 |
| NUMBER IN ONE INCH CIRCLE   | = |        | 4      |       |
| NUMBER IN TWO INCH CIRCLE   | = |        | 6      |       |
| NUMBER IN THREE INCH CIRCLE | = |        | 8      |       |