

C6648998

MODEL 700<sup>TM</sup> M24

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

Action

Barrel Length

Capacity

Order No. **5716**

\*Includes 1 in chamber.

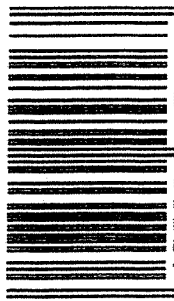


|                                                                                                          |  |                                             |                                                                                           |
|----------------------------------------------------------------------------------------------------------|--|---------------------------------------------|-------------------------------------------------------------------------------------------|
| <b>Remington</b><br>REG. U.S. PAT. & TM. OFF.                                                            |  | <b>DU PONT</b><br>REG. U.S. PAT. & TM. OFF. | VERY IMPORTANT!<br>Instruction Book<br>enclosed to assure<br>safe use of this<br>firearm. |
| <b>MODEL 700™ M24</b>                                                                                    |  | <b>SERIAL NO.</b><br>C6648998               | <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> |  |                                             |                                                                                           |



5716 C6648998

UPC



0 47700 25716 7

**GFM**

CONTRACT # DAAA21-87-C-0086

GUN SERIAL #

**C6648998**

| OP. #        | OP. NAME                                                       | READINGS | DATE        | INIT |
|--------------|----------------------------------------------------------------|----------|-------------|------|
| 575 &<br>580 | Assemble Action<br>and Stock                                   |          | 7/24/91     | KJ   |
| 600          | Proof                                                          |          | 7/24/91     | KJ   |
| 607          | Check Headspace                                                |          | 7/24/91     | KJ   |
| 610          | Dis-assemble Gun                                               |          | 7/24/91     | KJ   |
| 612          | Magnaflux Barrel<br>Action                                     |          | AUG 7 1991  | KR   |
|              | Magnaflux Bolt                                                 |          | AUG 7 1991  | KR   |
| 615          | Rollmark Caliber                                               |          | AUG 7 1991  | JS   |
| 617          | Drill and Tap Sight Holes                                      |          | AUG 7 1991  | LB   |
| 618          | Polish Barrel                                                  |          | AUG 13 1991 | WB   |
| 620          | Apply Coatings<br>(Barrel Action)                              |          | 8-27-91     | JS   |
|              | Apply Coating (Bolt)                                           |          |             |      |
| 625          | Final Assembly<br>A) Clean inside of<br>Bolt Assembly          |          | 9/5/91      | KJ   |
|              | B) Inspect Rear Firing<br>Pin Hole for Chamfer<br>in Bolt Head |          | 9/5/91      | KJ   |
|              | C) Inspect Ejector Hole<br>for Chamfer                         |          | 9/5/91      | KJ   |
|              | D) Oil Firing Pin Ass'y                                        |          | 9/5/91      | KJ   |
|              | E) Adjust Trigger Pull to<br>Min Setting and Stake             |          | 9-6-91      | JS   |

| op. #        | BARBER M24 0030461                                          | READINGS |      |      |      |      | DATE    | INIT |
|--------------|-------------------------------------------------------------|----------|------|------|------|------|---------|------|
| 625<br>cont. | F) Safety On Force                                          | 5        | 5    | 5    |      |      | 9/7/91  | SH   |
|              | G) Safety Off Force                                         | 3        | 3    | 3    |      |      | 9/7/91  | SH   |
|              | H) Trigger Pull Test & Retainability                        |          |      |      |      |      | 9-6-91  | SH   |
|              | I) Firing Pin Indent                                        | 1021     | 1021 | 1021 |      |      | 9/7/91  | SH   |
|              | J) Assemble Stock                                           |          |      |      |      |      | 9/9/91  | SH   |
|              | K) Assemble Swivel Studs                                    |          |      |      |      |      | 9/12/91 | SH   |
|              | L) Attach Front and Rear Sight Assemblies                   |          |      |      |      |      | 9/9/91  | SH   |
|              | M) Iron Sight Alignment                                     |          |      |      |      |      | 9/9/91  | SH   |
|              | N) Detach Front & Rear Sights & place in numbered container |          |      |      |      |      | 9/9/91  | SH   |
|              | O) Attach Scope to Rifle                                    |          |      |      |      |      | 9/9/91  | SH   |
|              | P) Detach & Attach Scope 20 Times                           |          |      |      |      |      | 9/9/91  | SH   |
| 640          | Gallery Target & Test                                       |          |      |      |      |      | 9-10-91 | VF   |
|              | A) Time                                                     |          |      |      |      |      | "       | VF   |
|              | B) Malfunctions                                             |          |      |      |      |      | "       | VF   |
|              | C) Pierced Primers                                          |          |      |      |      |      | "       | VF   |
|              | D) Optical Clarity of Scope                                 |          |      |      |      |      | "       | VF   |
| 645          | Inspect for Live Ammo                                       |          |      |      |      |      | 9-10-91 | VF   |
| 655          | Final Inspection                                            |          |      |      |      |      |         |      |
|              | A) Headspace                                                |          |      |      |      |      | 9/12/91 | SH   |
|              | B) Trigger Pull                                             | 2.65     | 2.64 | 2.61 | 2.60 | 2.56 | 9/12/91 | SH   |
|              | C) Function                                                 |          |      |      |      |      | 9/12/91 | SH   |
| 660          | Pack                                                        |          |      |      |      |      | 9-19-91 | VF   |

AVERAGE PULL FORCE BETWEEN  
INITIAL & CYCLE TESTS

2.50# ± .50#

3.00# ± .75#

4.00# ± 1.00#

SERIAL NO. C.6648998

DATE 9-6-91

TESTER JU.

|         | 2.50#<br>INITIAL | 2.50# AFTER<br>50 CYCLES | FINAL TEST &<br>TO RESET 2.50# |      | COMMENTS                                                               |
|---------|------------------|--------------------------|--------------------------------|------|------------------------------------------------------------------------|
| PULL #1 | 2.45             | 2.44                     | 2.58                           | 2.65 | MIN. SETTING,<br>NO AVG. OF 5<br>READINGS ACCEPT-<br>ABLE LESS THAN 2# |
| PULL #2 | 2.48             | 2.65                     | 2.52                           | 2.64 |                                                                        |
| PULL #3 | 2.63             | 2.61                     | 2.50                           | 2.61 |                                                                        |
| PULL #4 | 2.59             | 2.56                     | 2.53                           | 2.68 |                                                                        |
| PULL #5 | 2.55             | 2.54                     | 2.50                           | 2.56 |                                                                        |
| TOTAL   |                  |                          |                                |      |                                                                        |
| AVG.    |                  |                          |                                |      |                                                                        |

|         | 3.00#<br>INITIAL | 3.00# AFTER<br>20 CYCLES |  | COMMENTS |
|---------|------------------|--------------------------|--|----------|
| PULL #1 | 3.33             | 3.26                     |  |          |
| PULL #2 | 3.28             | 3.18                     |  |          |
| PULL #3 | 3.29             | 3.27                     |  |          |
| PULL #4 | 3.26             | 3.24                     |  |          |
| PULL #5 | 3.26             | 3.20                     |  |          |
| 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 | 4.22             | 4.31                     |                                | 4.29                                 |
| PULL #2 | 4.28             | 4.28                     |                                | 4.19                                 |
| PULL #3 | 4.25             | 4.26                     |                                | 4.25                                 |
| PULL #4 | 4.29             | 4.32                     |                                | 4.22                                 |
| PULL #5 | 4.32             | 4.33                     |                                | 4.29                                 |
| TOTAL   |                  |                          |                                |                                      |
| AVG.    |                  |                          |                                |                                      |

CENTROIDAL DISTANCE CALCULATIONS  
FOR RIFLE # 06648998  
11 Sep 1991

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CENTROIDAL DISTANCES

|      |   |          |
|------|---|----------|
| 0 TO | 1 | .179075  |
| 1 TO | 2 | .0954254 |
| 1 TO | 3 | .2064    |
| 1 TO | 4 | .594613  |
| 1 TO | 5 | .217366  |

4.5 (----POA

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BASE POI COORDINATE FOR THIS RIFLE IS: -.007  
 BASE POI COORDINATE FOR THIS RIFLE IS: -.0314  
 1ST AVERAGE POI RADIUS FOR THIS RIFLE IS: .0465  
 2ND AVERAGE POI RADIUS FOR THIS RIFLE IS: .0772

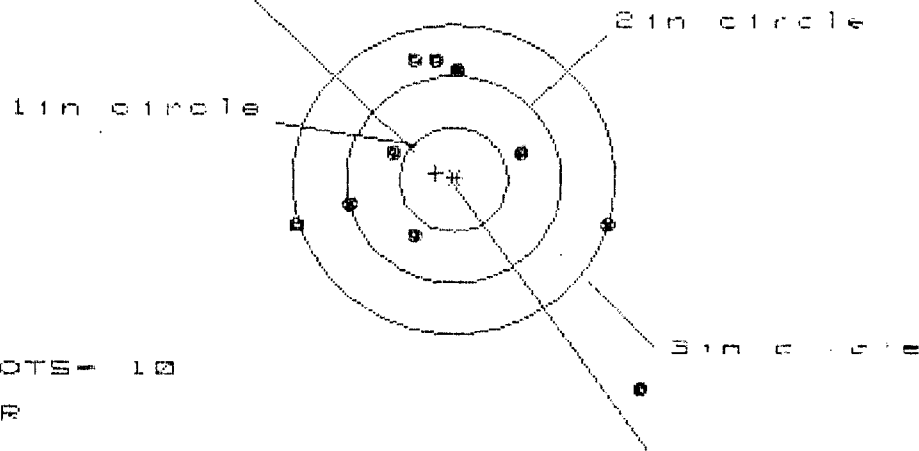
11 Sep 1931

FILE:/PATTERNING/CENTERFIRE\_PATT/CBB46390

## CENTERFIRE PATTERNS

# 1

FOR



# OF SHOTS - 10

# IN CIR

1in = 0

2in = 3

3in = 8

HS = 3.184

VS = 3.191

GS = 3.798

CENTROID

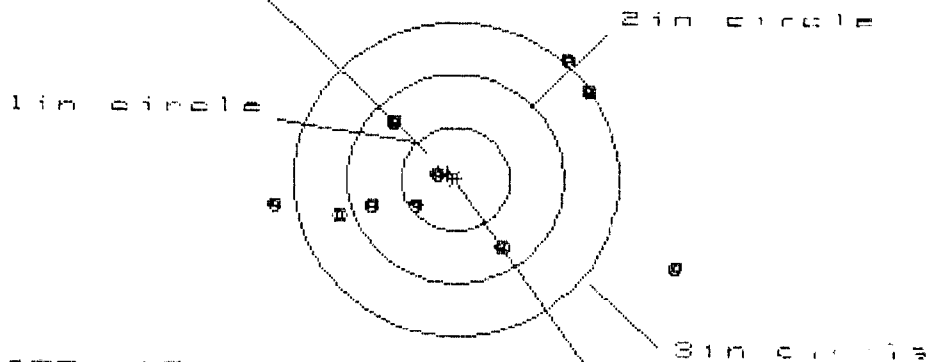
| PATTERN #                  | 1      | 2      | 3      |
|----------------------------|--------|--------|--------|
| SHOTS (BEST OF)            | 10     | 9      | 8      |
| MAXIMUM X                  | 1.762  | 1.662  | 1.007  |
| MINIMUM X                  | -1.422 | -1.226 | -1.018 |
| MAXIMUM Y                  | 1.182  | .959   | .872   |
| MINIMUM Y                  | -2.009 | -.801  | -.858  |
| CENTROID X                 | .168   | -.028  | -.236  |
| CENTROID Y                 | -.062  | .161   | .248   |
| OFF TO CENTROID in.        | .179   | .164   | .342   |
| 1IN RADIUS                 | .583   | .346   | .168   |
| 2IN RADIUS                 | 1.209  | .985   | .846   |
| 3IN RADIUS                 | 2.672  | 1.801  | 1.276  |
| 1IN DIA. SPREAD            | 3.184  | 2.888  | 2.025  |
| 2IN DIA. SPREAD            | 3.191  | 1.760  | 1.760  |
| 3IN DIA. SPREAD            | 3.798  | 2.888  | 2.139  |
| SHOTS IN ONE INCH CIRCLE   | =      | 0      |        |
| SHOTS IN TWO INCH CIRCLE   | =      | 3      |        |
| SHOTS IN THREE INCH CIRCLE | =      | 8      |        |

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## CENTERFIRE PATTERNS # 2

POA



# OF SHOTS- 10

# IN CIR

1in = 2

2in = 5

3in = 7

HS= 3.681

VS= 1.938

GS= 3.716

CENTROID +

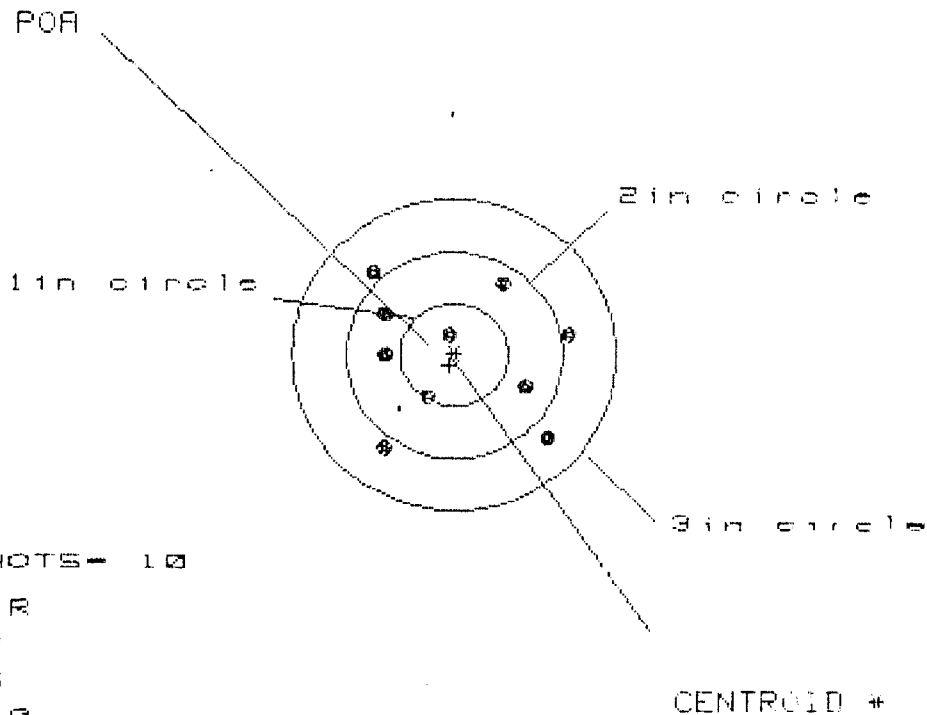
| PATTERN #                   | : | 2      |        |        |
|-----------------------------|---|--------|--------|--------|
| SHOTS (BEST OF)             | : | 10     | 9      | 8      |
| MAXIMUM X                   | : | 1.991  | 1.483  | 1.300  |
| MINIMUM X                   | : | -1.690 | -1.469 | -1.084 |
| MAXIMUM Y                   | : | 1.133  | 1.044  | .996   |
| MINIMUM Y                   | : | -.805  | -.744  | -.792  |
| CENTROID X                  | : | .073   | -.148  | .035   |
| CENTROID Y                  | : | -.053  | .036   | .034   |
| POA TO CENTROID in.         | : | .090   | .153   | .091   |
| MIN RADIUS                  | : | .228   | .034   | .201   |
| MEAN RADIUS                 | : | 1.113  | .935   | .905   |
| MAX RADIUS                  | : | 2.148  | 1.649  | 1.472  |
| HORIZONTAL SPREAD           | : | 3.681  | 2.952  | 2.384  |
| VERTICAL SPREAD             | : | 1.938  | 1.788  | 1.768  |
| EXTREME SPREAD              | : | 3.716  | 3.152  | 2.635  |
| NUMBER IN ONE INCH CIRCLE   | = |        | 2      |        |
| NUMBER IN TWO INCH CIRCLE   | = |        | 5      |        |
| NUMBER IN THREE INCH CIRCLE | = |        | 7      |        |



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## CENTERFIRE PATTERNS # 3



# OF SHOTS - 10

# IN CIR

1in = 2

2in = 6

3in = 10

HS = 1.730

VS = 1.700

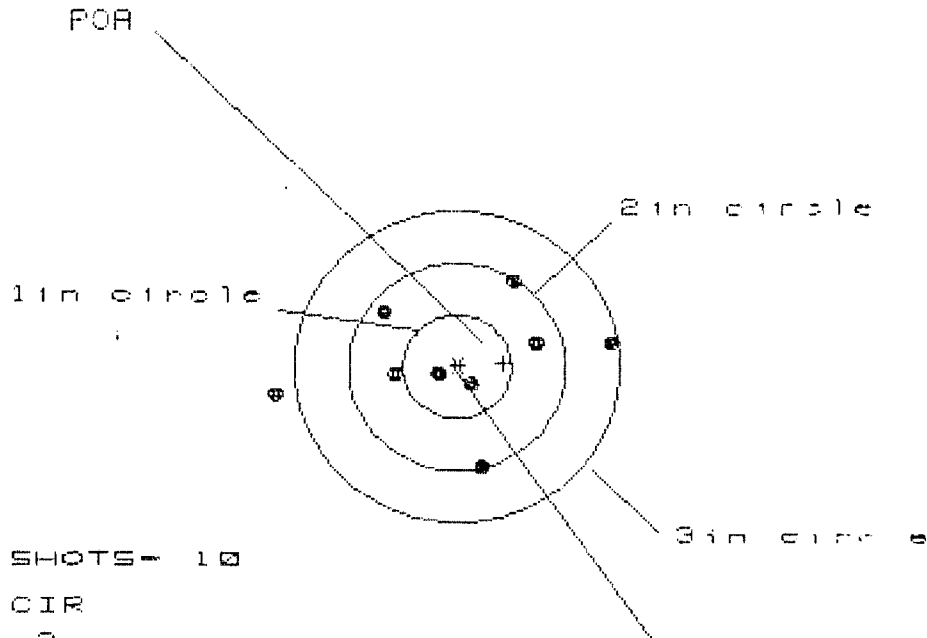
GS = 2.175

| PATTERN #                     | 3     | 3     | 3     |
|-------------------------------|-------|-------|-------|
| SHOTS (BEST OF)               | 10    | 9     | 8     |
| MAXIMUM X                     | 1.035 | .962  | 1.054 |
| MINIMUM X                     | -.695 | -.768 | -.676 |
| MAXIMUM Y                     | .784  | .682  | .571  |
| MINIMUM Y                     | -.916 | -.888 | -.588 |
| CENTROID X                    | .044  | .117  | .025  |
| CENTROID Y                    | .103  | .205  | .316  |
| POA TO CENTROID in.           | .112  | .236  | .316  |
| MIN RADIUS                    | .188  | .123  | .026  |
| MEAN RADIUS                   | .799  | .754  | .679  |
| MAX RADIUS                    | 1.129 | 1.154 | 1.054 |
| HORIZONTAL SPREAD             | 1.730 | 1.730 | 1.730 |
| VERTICAL SPREAD               | 1.700 | 1.570 | 1.159 |
| EXTREME SPREAD                | 2.175 | 2.175 | 1.817 |
| NUMBER IN ONE INCH CIRCLE =   | 2     |       |       |
| NUMBER IN TWO INCH CIRCLE =   | 6     |       |       |
| NUMBER IN THREE INCH CIRCLE = | 10    |       |       |

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## CENTERFIRE PATTERNS # 4



# OF SHOTS- 10

# IN CIR

1 in = 3

2 in = 7

3 in = 9

HS= 3.076

VS= 1.796

GS= 3.122

CENTROID \*

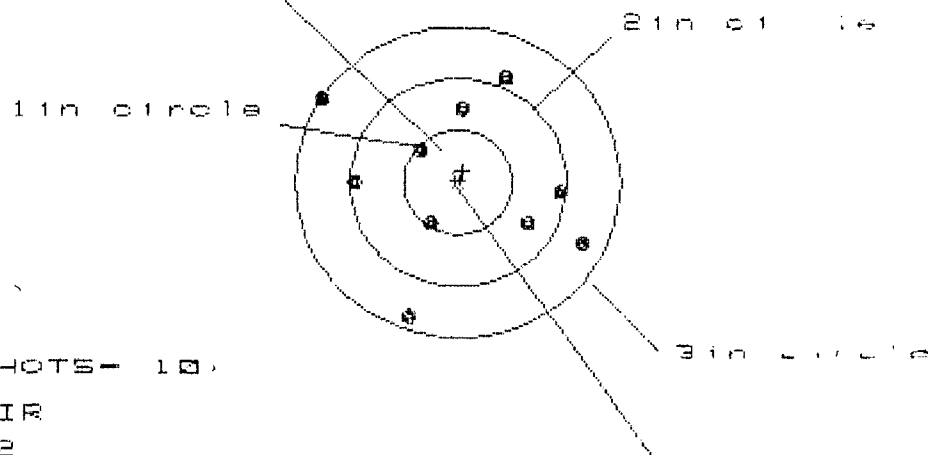
| PATTERN #                     | 4      | 4      | 4     |
|-------------------------------|--------|--------|-------|
| SHOTS (BEST OF)               | 10     | 9      | 8     |
| MAXIMUM X                     | 1.438  | 1.256  | .713  |
| MINIMUM X                     | -1.638 | -.885  | -.728 |
| MAXIMUM Y                     | .804   | .771   | .797  |
| MINIMUM Y                     | -.992  | -1.025 | -.999 |
| CENTROID X                    | -.426  | -.244  | -.401 |
| CENTROID Y                    | -.035  | -.002  | -.023 |
| POA TO CENTROID in.           | .427   | .244   | .402  |
| MIN RADIUS                    | .208   | .230   | .207  |
| MEAN RADIUS                   | .801   | .711   | .613  |
| MAX RADIUS                    | 1.665  | 1.273  | 1.014 |
| HORIZONTAL SPREAD             | 3.076  | 2.141  | 1.441 |
| VERTICAL SPREAD               | 1.796  | 1.796  | 1.796 |
| EXTREME SPREAD                | 3.122  | 2.159  | 1.828 |
| NUMBER IN ONE INCH CIRCLE =   | 3      |        |       |
| NUMBER IN TWO INCH CIRCLE =   | 7      |        |       |
| NUMBER IN THREE INCH CIRCLE = | 9      |        |       |

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## CENTERFIRE PATTERNS # 5

FOR



# OF SHOTS- 10.

# IN CIR

1in = 2

2in = 6

3in = 9

HS= 2.426

VS= 2.331

GS= 2.829

CENTRIF

| PATTERN #                     | 5      |
|-------------------------------|--------|
| SHOTS (BEST OF)               | 10     |
| MAXIMUM X                     | 1.159  |
| MINIMUM X                     | -1.267 |
| MAXIMUM Y                     | 1.025  |
| MINIMUM Y                     | -1.306 |
| CENTROID X                    | -0.044 |
| CENTROID Y                    | -0.110 |
| POA TO CENTROID in.           | .118   |
| MIN RADIUS                    | .447   |
| MEAN RADIUS                   | .964   |
| MAX RADIUS                    | 1.519  |
| HORIZONTAL SPREAD             | 2.426  |
| VERTICAL SPREAD               | 2.331  |
| EXTREME SPREAD                | 2.829  |
| NUMBER IN ONE INCH CIRCLE =   | 2      |
| NUMBER IN TWO INCH CIRCLE =   | 6      |
| NUMBER IN THREE INCH CIRCLE = | 9      |