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M/721
TEST

ENDURANCE
-1952

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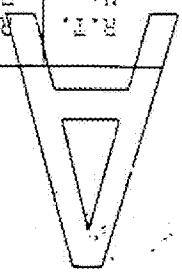
H



AL 0023677

10F 22

MODEL 721 30-06
DATE 10-2-52



R.I.	No.	Remarks	Functions											
			Firing	Priming	Primary	Extraction	Secondary	Ejection	Cocking	Feeding	Loading	Locking	Breakages	Replacements
5440		5440												
5480	150 MCR	5480												
5520	150 MCR	5520												
5560	150 MCR	5560												
5600		5600												
5640		5640												
5680	110 M.	5680												
5720		5720												
5760		5760												
5800	150 GP	5800												
5840	150 ST	5840												
5880	150 ST	5880												
5920	150 ST	5920												
5960	150 ST	5960												
5980	150 ST	5980												
5990	150 ST	5990												
			Defective Ammunition TEST.											
			9-18-52											
			9-19-52											
			10,000 dry cycles in broken parts.											
			End of Test											

9-18-52
9-19-52
10,000 dry cycles in broken parts.
End of Test

9-18-52
9-19-52
10,000 dry cycles in broken parts.
End of Test

9-18-52
9-19-52
10,000 dry cycles in broken parts.
End of Test

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MODEL 721-3016DATE 8-15-52

R.T. No.	Rounds Fired	Malfunctions											Remarks		
		Firing	Unlocking	Primary Extraction	Secondary Extraction	Ejection	Cocking	Feeding	Loading	Locking	Breakages	Replacements	Gun Failures	Adjustments	
	4040														END TEST # 199805 END GUN
REM 110 M	4080				1										EXT-DROPS SHELL
	4120				1										" " " "
REM 220 SP	4160														OK
	4200				1										EXT DROPS SHELL
	4240				1										" " " "
Bolt RELEASE B.N.H.S															
8-25-52															
Rem 150 MC	4280				1111										Ext Drop Shell
	4320				1111										" " " "
Win 220 ST	4360														OK
	4400														OK
	4440														OK
Win 150 ST	4480														OK
	4520														OK
	4560														OK
Win 150 SP	4600														OK
	4640														OK
	4680														OK
Win 150 Exp	4720														Ext drops Sk-11 + ejection
Pat 150 MC	4760														Fail to eject
Win 150 ST	4800														" " " "
Pat 150 SP	4840														Ext. dropped shell
Rem 110 MUSH	4880														" " " "
Win 150 ST	4920														" " " "
Pat 150 M.C	4960														" " " "
															(49)

AL 0023681

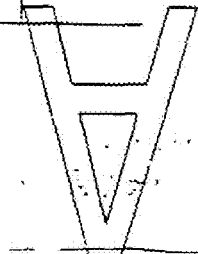
40f22

DATE 6-6-52

[illegible]

DATE 5-26-52
MODEL 721

MODEL 70 - 2000
DATE 5-20-52

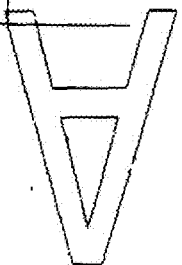


R.F. No.	Rounds	Malfunctions												Remarks
		Feeding	Chamber	Primary	Extraction	Secondary	Extraction	Ejection	Cocking	Feeding	Loading	Locking	Breakages	
Win 110	SP													Had to remove bolt from magazine. Could not work. Magazine wouldn't work. Went out of the track. Last stop to sharp allowing bolt to hit with
180 GP 2020	180 GP 2020													Win 110
2040	2040													Win 110
180 GP 2080	180 GP 2080													Win 110
2120	2120													Win 110
2160	2160													Win 110
2200	2200													Win 110
2220	2220													Win 110
2240	2240													Win 110
2280	2280													Win 110
2320	2320													Win 110
2360	2360													Win 110
2400	2400													Win 110
2440	2440													Win 110

Quality and Endurance Test
Endurance Gun
199805

MODEL 721 30-06

DATE 5-14-58



R.T. No.	Rounds Fired	Malfunctions	Remarks
30.150 M.C.R.	1040		
PR00 F	1040		
Sum 220 S.P.	1041-1080		
	1120		
	1160		
Test 180 S.T.	1140-1200		
	1240		
	1280		
Sum 110 S.P.	1320		
	1360		
	1400		
Sum 180 R.P.	1440		
	1480		
	1520		
Test 150 S.T.	1560		
	1600		
	1640		
Sum 220 S.T.	1680		
	1720		
	1760		
Sum 150 M.C.	1800		
	1840		
	1880		
Sum 180 S.P.	1920		
	1960		
	2000		
Deposited first assembly with 1000 rounds in it.			
Numbering from P. 1			
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1000 rounds in			



STANDARD ENDURANCE TEST HEATER FIRE RIFLES

MODEL 721 30-06

GUN NO. 199805

To Be Performed Every 1000 Pads.

Clean and Oil

Head Space (Min-Max)

Trigger Full

Firing Pin Indentation

Bolt Opening-Cocked

Bolt Opening-Cocking

Safety Mech. Test

Jar Off Test

To Be Performed Every 2000 Rnds.

Main Spring

EJECTOR
~~Screw Lock Plunger Spring~~

SEAR
~~Nathan Earl Duck~~ Spring

~~Leading Deer Spring~~

~~Magnetic Spring~~

~~Deerwater Spring~~

~~Tedgar Spring~~

0	120	1000	2000	3000	4000	5000
✓	✓	✓	✓	✓	✓	✓
OK	OK	OK	OK	OK	OK	OK
4 3/4"	4 3/4"	5 1/4"	4 3/4"	4 3/4"	4 3/4"	4 1/2"
.020"	.020"	.025"	.020"	.0215	.020	
4 #	4 #	2 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"
10 #	10 #	10 #	12 #	11 1/2"	11 1/2"	11 1/2"
OK	OK	OK	OK	OK	OK	OK
OK	OK	OK	OK	OK	OK	OK
6.2"	6.2"	6.2"	6.2"	6.2	6.2	6.2
1.2"	1.2"	1.2"	1.2"	1.2	1.2	1.2
.55"	.55"	.55"	.55"	.55	.55	.55

HL 10/29/51

AL 0023688

9 of 22

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STANDARD ENDURANCE TEST
CENTER FIRE RIFLES

MODEL 721 30-06GUN NO. 238483To Be Performed Every 1000 Rnds.

Clean and Oil

Head Space (Min-Max)

Trigger Pull

Firing Pin Indentation

Bolt Opening-Cocked

Bolt Opening-Cocking

Safety Mech. Test

Jar Off Test

To Be Performed Every 2000 Rnds.

Main Spring

~~Extractor~~
~~Bolt Lock Flange Spring~~~~SEAR~~
~~Action Bar Lock Spring~~~~Loading Door Spring~~~~Magazine Spring~~~~Extractor Spring~~~~Trigger Spring~~

0	320	1000	2000	3000	4000	500
	0.15					
	5.75"					
	.020"					
	12.5"					
	10"					
	5"					
	6"					
	6.25"					
	1.15"					
	.55"					

NL 10/29/51

AL 0023689

10 of 22

DATE 5-9-52

11 of 22

A

MODEL 751 39-46

DATE 5-7-52

R.T. No.	Rounds Fired	Malfunctions											Remarks
		Firing	Unlocking	Primary Extraction	Secondary Extraction	Ejection	Cocking	Feeding	Loading	Locking	Breakages	Replacements	
													QUALITY AND ENDURANCE TEST
													237412
Win 220 S&D	20							7					
Pem 180 PDP	40												6/c
Win 150 L.P.	60												0/c
Pem 110 M.	80												0/c
West 180	100												0/c
West 180	120												1/c - full to eject
Pem 220 SR	160												1/c
West 180 PDP	200												0/c
W													
West 180 S&D	220												1/c
Win 180 S&D	240												0/c
Pem 180 PDP	260												0/c
Win 220 S&D	280												chamber loaded up
Win 180 PDP	300												0/c
Pem 180 PDP	320												0/c
17 leading up of buch causing head opening of 17 picked for continued test													
17													
17													

AL 0023691

12 of 22

3340

5-4-52

R.I.	No.	Rounds fired	Malfunctions	Remarks
		800		QUALITY AND ENDRANCE TEST 337412
		360		OK
		400		OK
		440		OK
		480		OK
		520		OK
		560		OK
		600		OK
		640		OK
		680		OK
		720		OK
		760		OK
		800		OK
		840		OK
		880		OK
		920		OK
		960		OK
		1000		OK

AL 0023692
13 of 22

ON
R.I.

AT 0073693

AL 0023693

DATE 5-7-52

16 of 22

NOBEL 721 30-06
DATE 5-7-52

R.T.	No. Rounds fired	Malfunctions	Remarks
Wm 220 EXP	20		
Wm 180 EXP	40		
Wm 150 EXP	60		
Wm 120 EXP	80		
Wm 100 EXP	100		
Wm 80 EXP	120		
Wm 60 EXP	140		
Wm 40 EXP	160		
Wm 20 EXP	180		
Wm 10 EXP	200		
Wm 5 EXP	220		
Wm 2 EXP	240		
Wm 1 EXP	260		
Wm 0 EXP	280		
Wm 150 EXP	300		
Wm 120 EXP	320		
Wm 100 EXP	340		
Wm 80 EXP	360		
Wm 60 EXP	380		
Wm 40 EXP	400		
Wm 20 EXP	420		
Wm 10 EXP	440		
Wm 5 EXP	460		
Wm 2 EXP	480		
Wm 1 EXP	500		
Wm 0 EXP	520		
Wm 150 EXP	540		
Wm 120 EXP	560		
Wm 100 EXP	580		
Wm 80 EXP	600		
Wm 60 EXP	620		
Wm 40 EXP	640		
Wm 20 EXP	660		
Wm 10 EXP	680		
Wm 5 EXP	700		
Wm 2 EXP	720		
Wm 1 EXP	740		
Wm 0 EXP	760		
Wm 150 EXP	780		
Wm 120 EXP	800		
Wm 100 EXP	820		
Wm 80 EXP	840		
Wm 60 EXP	860		
Wm 40 EXP	880		
Wm 20 EXP	900		
Wm 10 EXP	920		
Wm 5 EXP	940		
Wm 2 EXP	960		
Wm 1 EXP	980		
Wm 0 EXP	1000		

MODEL 721 30-06
DATE 5-7-52

Remarks
Quality and
Endurance Test
2053 CC

R.I. No. Rounds Fired

Malfunctions
Ejection
Cooking
Feeding
Loading
Locking
Breakages
Replacements
Gun Failures
Adjustments

Wm 220 Eto	20	Wm 160 GP	40	Wm 150 HB	60	Wm 110 M.	80	Wm 100	100	Wm 120	120	Rm 220 SR	160	Wm 160 PEX	200	Wm 160 SP	200	Wm 160 ST	200	Rm 220 M	260	Wm 220 EX	260	Wm 150 HP	300	Wm 160 GP	320
Wm 220 Eto	20	Wm 160 GP	40	Wm 150 HB	60	Wm 110 M.	80	Wm 100	100	Wm 120	120	Rm 220 SR	160	Wm 160 PEX	200	Wm 160 SP	200	Wm 160 ST	200	Rm 220 M	260	Wm 220 EX	260	Wm 150 HP	300	Wm 160 GP	320

Opening of H.C.
Loading of H.C.
Wm 160 (Shoulder)

C

H

AL 0023698

19 of 22

90-05 196 TESSON

DATE 5-7-52

[illegible]

AT 0023699

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DATE 5-7-52

AL 0023701

22 of 22