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PROGRESS REPORT

October 12, 1948

M/722 MODEL TEST - 222 CAL.

Period: September 25th to October 6th, 1948
 Project: FD-721-1 W. O. #71565
 Previous Progress Reports: None
 Prepared by: W. E. Leak

INTRODUCTION

This report covers the testing of one M/722 Model Gun in the 222 caliber.

OBJECTIVE

To determine the inherent accuracy and functional performance of the gun in this caliber.

CONCLUSIONS

- a. That the inherent accuracy is as follows:

	Avg. Extreme Spread			
	<u>3 5-Shot Groups</u>	<u>Max.</u>	<u>Min.</u>	<u>Remarks</u>
Hand Loaded Ammunition	2.0"	2.9"	1.5"	#5061 Primers, 18 grains, duPont #4198 Powder, 53 grain bullet.
Factory Ammunition	2.05"	2.4"	1.8"	

- b. That the functional performance of the gun was excellent, showing no malfunctions in the 300 round test.

WORK PROGRAM

A special 300 round functional test including accuracy was used.

RECOMMENDATIONS

1. It is recommended that the accuracy of the ammunition be improved to 1.5" Extreme Spread (3 5-shot groups at 100 yards).
3. It is recommended that the M/722 in this caliber be accepted from a functional standpoint as the performance was satisfactory.

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3. It is recommended that the primer support of the firing pin be investigated.*

*Several of the rounds fired showed indications of powder gas escaping thru the firing pin indent in the primer. In two cartridges it was noticed that the firing pin indent exposed the anvil under the primer.

SUMMARY OF RESULTS

Rounds Fired

0-300

Malfunctions

0

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