

PROJECT

10/31/44

TESTING PROGRAM - M/720 CENTER FIRE RIFLE

INTRODUCTION:

Up to the present time, no definitive testing program has been undertaken on the Remington M/720 or the Winchester M/70 Center Fire Rifles. Various tests have been conducted on an individual basis but little effort has been made to relate these tests to the overall characteristics of the arm. The need for this type of information has become very apparent in the development of the M/721, in that no basis for comparison with the quality of other models is available. In other words, the exhaustive testing program now under way on the M/721 will be of infinitely greater value if the results of these tests may be compared with the performance of standard arms which already have the benefit of consumer reaction.

PROPOSAL:

It is proposed to conduct the same testing program on the Remington M/720 and the Winchester M/70 as presently outlined on the M/721. The results of these tests will form the basis for the establishment of standards of comparison (measuring performance and characteristics) of a new arm with others whose market value has been determined by consumer reaction..

PROGRAM:

The extent of the testing program is outlined in a Gun Testing Manual now being prepared under another project and includes the comprehensive testing and recording of the following characteristics:

- (1) Accuracy
- (2) Functioning (Bolt, Trigger, Headspace, Firing Pin, Safety, etc.)
- (3) Dry Firing
- (4) Live Firing

PATENT SITUATION:

Not involved.

COST:

Technical Department Salaries & Wages	\$1,200.00
General Expense @ 100%	1,200.00
Materials, supplies, etc., including ammunition	3,420.00
Purchase of 2 Winchester M/70 Rifles	150.00
Conversion of 1 Remington Rifle to .300 Magnum	<u>30.00</u>
	\$6,000.00
Contingency @ 10%	<u>600.00</u>
Total appropriation requested	\$6,600.00

CONCLUSION:

Test data showing performance of these guns is lacking at present.
It is urgently needed to permit interpretation and comparison of results from the
M/721 testing program now under way.