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May 16th, 1947

TO: H. J. Backman

FROM: W. E. Leek

SUBJECT: M/721 - 722 DEMONSTRATION

Reference is made to G. O. Clifford's letter dated 4/30/47 concerning M/721-722 demonstration for sales personnel. A program follows which we think would be suitable in demonstrating the subject gun to various sales personnel with the objective in mind that this demonstration will furnish sales promotion ideas.

1. A review of the design characteristics of the gun by the Designer.
2. A review of the functional performance and clearance characteristics by the Test Engineer.
3. A demonstration of adverse conditions tests using 1 - M/721 Remington and 1 - M/70 Winchester.
 - a. Firing -60°F.
 - b. " -60°F. in ice.
 - c. " in rain.
 - d. " in dust.
 - e. " defective ammunition (3 types).
 - f. " of 9 calibers other than 30-06 thru a 30-06 barrel.
 - g. " under extreme maximum headspace conditions.
4. A demonstration of strength tests using 1 - M/721, 1 - M/1903 Springfield, and 1 - M/1917 Enfield as follows:
 - a. Fire against a jammed cleaning patch located 6" in front of chamber.
 - b. " " " " " 12" " "
 - c. " one proof load - bolt to contain 1 locking lug.
 - d. " a normal round with the muzzle containing 3" of mud.
 - e. " one round loaded above proof pressure, its bullet contacting 4 - 220 grain slugs located in the barrel.
5. An accuracy demonstration using 1 - M/721 Remington and 1 - M/70 Winchester.
 - a. Fire three 10 shot groups by two competent shooters.
 Conditions: Range - 100 yds.; Scope - 20 power; Standard Ammunition; Bench Rest.

To make the demonstration as effective as possible with a minimum of confusion, it would be desirable to do all firing on an adequate outdoor range with the exception of 3a, b, and c, which would be fired in the Technical Shooting Pit.

It is planned to conduct this demonstration in such a manner that all observers and participating personnel will be adequately protected and at the same time permit observation of the firing.

We will welcome any alterations or suggestions concerning the above plan and are awaiting your instructions before proceeding.

W. E. Leek
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