

DAILY PROGRESS REPORT

5/7/47

SUBJECT M/721 Strength Test

Recently a test on one M/721 Bolt Action Rifle was conducted to determine if the gun chambered to fire a 30-06 caliber shell was capable of firing ammunition of another caliber that might accidentally be loaded into the gun.

<u>Rounds Fired</u> <u>Std.</u> <u>Proof</u>	<u>Caliber</u>	<u>Results</u>
5 1	35 Remington	1 fired round contained a complete circumferential ruptured case. 2 fired rounds contained a 2/3 circumferential split case with blown primers.
1 1	270 Winchester	Resized case
*1 1	257 Rem. Roberts	" "
*1 1	300 Savage	" "
* 2	220 Swift	2 cases split at neck section.
*1	6.5 mm	Resized case
*1	250-300 Savage	1 case split longitudinally
*1	7 mm	Complete circumferential
1	8 mm	Resized case

*Indicates those rounds that have to be engaged under the Extractor before chambering the round, otherwise they would not fire.

This test shows that the M/721 30-06 caliber will fire the cartridges listed above and that the strength of the Action and Barrel will withstand these unusual firing conditions.

R. E. Look
Test Engineer

REL:MC