

It is planned to continue the endurance testing indoors with a shooting jack. Thus far there has been only one (1) breakage in the endurance guns, a firing pin at approximately 1400 rounds.

The following are the results of shooting 99 guns 25 rounds each prior to shipment of samples to Sales for field testing. This test was also fired under outside conditions with the same shooter and load variations.

Dec. 23	20 guns @ 25 rds. ea.	- 500 rds. total	- 1% Malf.
Dec. 27	20 guns @ 25 rds. ea.	- 500 rds. total	- 1.4%
Dec. 28	38 guns @ 25 rds. ea.	- 950 rds. total	- 0.9%
Dec. 29	21 guns @ 25 rds. ea.	- 525 rds. total	- 0.3%

The total rounds fired through approximately 100 guns assembled to the new design totals more than 30,000 rounds over a period of three weeks, and under shooting conditions where the temperature reached 22 degrees below zero.

SMA:T

Copied-PHB:ND-1/9/56