

cc: H.J. Hackman
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Ilion, New York
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M. H. WALKER

MODEL 700 - PILOT LINE TESTING

The following is a report of results of functional tests which were run for five guns each in Calibers 222 and 30-06.

A total of 200 rounds in each caliber was fired through the shooting jack with the principal object of observing the functioning of the new extractors.

In the Caliber 222, 50 grain soft point ammunition was used. Rifle Nos. 1 and 2 were clear of any malfunction; Rifle No. 2 had one malfunction about midway through the test when the rim of the shell hung under the extractor. Rifle No. 4 also had only one malfunction which stemmed the top during the first part of the test. Rifle No. 5 had 22 ejection failures and it is understood through examination that this was apparently due to an operation having been missed on the bolt head. After this rifle was fired through the 200 rounds the bolt was interchanged with that from the No. 1 Rifle and fired 20 rounds without a malfunction. On 3 of the 5 rifles there appeared to be a slight interference with the wood on the clearance cut in the stocks for the bolt handle.

In the Caliber 30-06 each of the five rifles were fired 200 rounds using ammunition selected from 110 through 120 grain and with a different type bullet. There were no malfunctions observed in any of these rifles throughout the test. However, on No. 5 Rifle the magazine follower would tip or roll occasionally after the last round had been cleared from the magazine. In checking the stocks for clearance in the bolt handle slots there appeared to be no interference in 3 of the rifles and a slight interference at the front in No. 2 Rifle, and also a slight interference in the rear in the No. 3 Rifle.

Arrangements are being made to check targeting in the range on Saturday morning, March 3rd, after which it is understood results will be reviewed regarding need for continuation of testing.

WRG:T

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