

REMINGTON ARMS COMPANY, INC.
Ilion Research Division

May 19, 1964

Chen
cc: R. A. Williamson
H. J. Hackman
L. J. Boyle
M.H. Walker
C. B. Workman
W.E. Leek - File

G. M. CALHOUN

GUN SAFETY - SPECIAL "JAR-OFF" TESTS
Model 700 - Model 600

As result of the report from Foreign Sales (re Australia), the Firearms Test Unit withdrew ten (10) each of Models 700 and 600 from Ilion production. Each was subjected to the standard "jar-off" test of 10 inches (3/4" wood on concrete floor) with the actions cocked and safeties "off". First drop was with butts "down". Second drop with muzzles down. All passed. One of each model (M/700 - Serial No. 102894, and M/600 - Serial No. 11158) was retained for "torture test". The balance was returned to production, since needed for assembly schedules.

Each of the two selected rifles was next dropped progressively higher from 12" to 36" at two (2) inch increments, first with butt stocks down, next with muzzle down. The safety was set in "off" position. Results all "OK". For the M/700 the safety would jar "ON" when dropped with butt stock "down" at heights above 32 inches. In the M/600 the safety would jar "ON" when dropped from heights above 22 inches with butt stock "down".

The rifles were next subjected to drops from a horizontal position, actions cocked and safeties "off". The M/700 was OK up through the 36 inch with "normal" or bottom side "down". However, the action "fired" at 28, 30 and 36" heights when dropped "top side down".

The M/600 did not pass this test from above 18 inches; however, both rifles were OK with safety "ON".

We can only conclude that this sample of rifles passed the standard jar-off tests and that the single samples of each model seemed to be significantly "better" than the previously accepted jar-off requirements.

SMA:T

SMA
S. M. Alvis
Ilion Research Division