



CC: W. L. Clay - Capt.
G. E. Finckney - "
G. M. Calhoun - "
J. B. Humpin - "
~~S. B. Fitch~~ in
~~W. H. Walker~~ Turn
A. D. Gordon in
W. A. Best Turn
R. Sapp

Ilion, New York
November 21, 1952

TO: H. A. Brown - Bridgeport
FROM: H. J. Hackman

We regret very much the delay in replying to your penciled inquiry on copy of letter from G. E. Finckney to G. M. Calhoun dated October 29, 1952. This inquiry concerned the statement in the "Brief Quarterly Complaint Report" issued by W. L. Clay, October 23, 1952 to the effect that "the M/721 jars off occasionally", and calling our attention to the seriousness of this condition.

As you are no doubt aware, we are likewise concerned with incidents of this type and every effort is made to eliminate their occurrence. The following information is being presented and covers the period from 1950 to the present time. During 1950, there were twelve (12) jar off complaints received on this model.

7 in the 1st Quarter
4 in the 2nd Quarter

1 in the 3rd Quarter
0 in the 4th Quarter

In 1951, there were no jar off complaints received on this model. To date in 1952 there have been two (2) jar off complaints received.

1 in the 1st Quarter
0 in the 2nd Quarter

1 in the 3rd Quarter

It has been determined that the complaint reported in the first quarter of 1952, occurred in a gun produced in January 1951. The complaint recorded for the third quarter of 1952, concerned a gun produced November 1948. As a result of the experience during the year 1950, as recorded herein, corrective action was taken at Final Inspection by incorporating a special Action Test. This test requires that with the Bolt Handle raised halfway, the engagement of the Sear and Connector must be a minimum of .020".

It appears that this test has been effective since no complaint has been received on guns produced since the introduction of this control in 1951. Also, to date no jar off incidents have been found in final gun audit tests during the years 1951-52 to date.

H. A. Brown

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You can be certain that the importance of eliminating jar off incidents has been stressed in our contact with all personnel concerned at Ilion.


H. J. Hackman, Supt.
Product Eng. & Control Section

HJB:EK