

D R A F T
R
A
F
T

cc: G.M. Calhoun	P.H. Burdett
H.J. Hackman	J.H. Lewis, Jr.
J.W. Miller	R.E. Evans
W.A. Best	E.K. Wheat
R.A. Williamson	W.E. Leek
M.H. Walker	R.B. Hurley
C.H. Morse	Security Deposito

Ilion, New York
December 17, 1956

D. E. MILLER

PROGRESS REPORT AI-56-12

MODEL 40X FIRE CONTROL INVESTIGATION

Since the Model 40X Rifle was introduced complaints were received from the field and also from some of the Sales representatives as to the performance of the fire control. More often this involved claims that there were variables in the trigger pull, and sometimes failure to fire.

Since the basic action and fire control in this rifle were essentially the same as the "well seasoned" Model 721-722 Rifles, and since the Model 40X version had successfully passed rather comprehensive tests before its introduction, we were somewhat at a loss to explain the cause of this trouble. However, after ~~testing~~ ^{confering} with some of the field Sales representatives and checking some of the complaint rifles we were convinced that the problem should be investigated.

A rather comprehensive test program has been completed in the Research Measurements Laboratory and it is being recommended that the connector and sears be processed with a good quality of hard chrome plating. If this can be provided it should insure a more uniform trigger pull and at the same time provide greater inherent safety.

SHM:T

S. M. Alvis, Manager
Ilion Research Division