JAS. M. COO.

ge: R.A. Williamson

J.K. Miller

E. Sapp

C.J. Theriault

V.E. Look - M.H. Valker

Ilion, New York April 29, 1955

h. J. Hackdian

Models 721-722 quality

In testing for the new 308 Caliber a characteristic has been encountered with the belt can to cause "hard opening" after several hundred rounds. It seems that the extent of the hard opening is such as to require the chooter to remove the rifle from shoulder to operate. It seems that metal is being slightly unset on the cam.

G.J. Therigult reports that a hardness reading indicates the metal to be a little soft at this point. Perhaps the anneal effect from brazing on the bolt handle. It would be expected that this same characteristic is in all of the different calibers and is suggested that process, material and design be checked for possible cause and surrection.

CHER . ST

S. M. Alvis, Manager Arms Research & Development Division