

cc: S. M. Alvis  
H. A. Brown  
V. G. DeRue  
R. H. Grace  
P. B. Rutherford  
H. H. Walker

Bridgesport, Connecticut  
August 29, 1947

TO: W. E. LEEK  
FROM: G. S. FINCHER  
SUBJECT: M/721 - PERFORMANCE AT EXTREME LOW TEMPERATURE CONDITIONS

Thanks very much for your letter of August 26. Everything considered, I think that the rifle stood your test very well.

You recommend that the trigger guide plate be made of plastic material to prevent freezing of the trigger. Is not this material affected by varying climatic conditions and isn't its use likely to introduce other troubles?

Have you tried using powdered graphite or even Remington oil on the safety and trigger guide plate in these extremely low temperatures. If so, do these parts still freeze?

Another question I would like to ask is this - what is the absolute minimum temperature at which these parts will work without freezing?

Arms Sales Manager

GEP:hh

P. S. It would be interesting to know how the Winchester Model 70 rifle functions under similar conditions, that is, at 60° below zero.