

H. A. Brown  
H. K. Faulkner  
D. S. Footh  
W. E. Leek  
E. Sapp

*2 copies to Jack Lee*  
*by H. J. Hackman*

*W. S. Davis*  
*Mattings*  
*Pinekey*

August 24th, 1945

TO: H. J. Hackman  
FROM: W. E. Leek  
SUBJECT: EXAMINATION OF CUSTOMER'S M/721 (30-06 CAL.) FOR EVIDENCE OF DISPLACED METAL

I am in receipt of your note stating that a physician removed a metal particle from the eye of a Mr. H. J. Smith, Salt Lake City, Utah, the particle, he claims, having come from the subject rifle or ammunition during firing of the gun.

At your request I thoroughly examined the rifle but was unsuccessful in obtaining any evidence indicating a displacement of metal. Twenty-five rounds of standard Remington ammunition were fired thru the subject gun while the action and stock were completely surrounded with white blotter paper\*. There was no evidence on the blotter paper of powder or metal particles escaping from the gun during firing.

*W. E. Leek*  
W. E. Leek  
Design Section  
Technical Department

WEL:MP

\*White blotter paper is used in the defective ammunition testing to pick up evidence of escaping breech gas. The paper surrounds the action at a distance of 3". Another piece of blotter paper is placed in a vertical position at the comb section of the stock, comparable to the shooter's eye position. White blotter paper will absorb powder particles comparably with human flesh and is acceptable in U. S. Courts as a practical laboratory material substituting for human flesh.