

bcc: S.M. Alvis/File

Mr. Herbert E. Stier
732 N. Lake Street
Warsaw, Indiana

March 29, 1962

Dear Mr. Stier:

Sorry to hear that you are having difficulty with pierced primers with your .222. It is quite likely that the difficulty with your triggers arose from the pierced primers.

What happens in this case is that the escaping gas, due to the pierced primer, puts extra rebound energy into the firing pin which breaks down the corner of the sear or trigger connector. Additional engagement is not the final answer as the trigger pull will not be as good using this method of correction. In order to return the triggers to their original condition the trigger connector or the sear should be replaced. However, if you are satisfied with the trigger pulls as they now are, nothing further need be done.

The piercing of primers is mainly an ammunition fault which we have not been able to fully isolate and correct. We are working on it from all angles.

Sincerely,

M. H. Walker, Chief Designer
Ilion Research Division

MHW:nl