

Ilion, New York  
July 22, 1968

TO: Dick Dietz

FROM: Wayne Leek

Lock Time  
Center Fire and Rim Fire Rifles

I am in receipt of your letter of July 15 on this subject and am aware of the article written by Ed Yard on ignition time for the Model 660.

I think his title of time interval is more correct than lock time, but because lock time has been considered the standard for the subject for many, many years, I suspect we should stick with it. His definition is the same as ours and that is interval between sear release and primer flash. If one includes the movement of the trigger hammer and so forth, we get into all kinds of difficulties and variations. His idea of comparing the movement of a bullet so many feet from the muzzle of the gun before any movement occurs in the gun is a good one and I think is original with him.

Your suggestion is a good one and we have information already available to us on the lock time of most of the important center fire and rim fire rifles. It will remain only a simple matter to convert mathematically where the bullet is from the muzzle of our models compared to that of the competition.

One thing I would like to point out, however, is that we will be advertising the tremendous difference in lock time between the Model 788 and 700. The 700 is about as slow as our competition. Somewhere in the neighborhood of 7 milliseconds I believe. The 660 is faster only because of the superior action which in turn has a superior firing pin which provides a lighter weight and less travel time. At any rate, I will have this information in proper form and we can review it later. Thanks for your interest.

WEL:c