

DON'T SAY IT—WRITE IT

cc: S. M. ALVIS

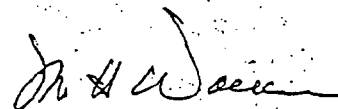
TO G. M. CALHOUN - Bridgeport

DATE February 17, 1971

FROM M. H. WALKER - Ilion Research Division

Per your request, the following are the reasons why I would like to recommend that we ship the M/700 in .17 caliber and the ammunition.

1. All R & D tests of rifles with edge of firing pin hole in bolt face with added radius show that no blanked out primers are experienced.
2. All Plant tests of approximately 1000 rifles and 5700 rounds of .17 caliber ammunition gave no blanked out primers.
3. The radius which has been added to the edge of the firing pin hole in this caliber is no greater than that occurring at times in other Remington models.
4. Since the radius is cold formed with a punch and the punch can be controlled using a comparator layout, no difficulty should be experienced in maintaining a proper radius through production.
5. Primer cratering with this alteration is no worse than that experienced with other high pressure rounds such as .270 Win. and some of the belted magnums.
6. The suggestion to reduce firing pin diameter has value in reducing the amount of primer cratering and would improve on the primer blanking. However, there is no record of firing pin breakage in the M/700 or the rifles preceding the M/700. This cannot be stated for our other center fire rifles.



MHW/nl

TO BE SAFE, FIRST THINK YOU MIGHT NOT BE