

S. M. G. Y. R.
REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE



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MODEL 600, 222 Rem. - FEEDING

The following regards the feeding of the M/600 - Cal. 222 Rem. with Winchester 50 gr. P.S.P. ammunition.

Rifles which passed gallery test with 50 gr. Rem. S.P. were function tested with Win. 50 gr. P.S.P. cartridges. These rifles malfunctioned, stemming top and consequent overriding. Magazines, chamber mouth, etc. were checked. Rifles continued to malfunction.

Dummy Win. ammunition was made and slow feeding of both types of cartridges did not reveal any decided difference. Examination of the two cartridges showed the Winchester to be .060-.065 shorter in length than the Remington. Also, the Winchester cartridge uses a friction bullet seat and does not crimp into a cannellured bullet.

Bullets of Winchester cartridges were pulled to equal the length of the Remington cartridges.

Two rifles were jammed with the Win. 50 gr. P.S.P., qualified passable with the Rem. 50 gr. S.P., and then function tested with the Win. 50 gr. P.S.P. "long cartridge". There were no malfunctions.

Although not extensive, this test indicates that the timing between release point and cartridge length is being thrown off due to the short Win. cartridge length. The alteration indicated to correct this malfunction is a change in release point. This would be a reversal of a previous alteration made to correct for Rem. ammunition. Therefore, no alteration will be made and rifles passed by the gallery with Remington ammunition will be considered acceptable.

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