

June 14, 1984

TO: W.A. WARREN
FROM: R. WILLIAMS
REPORT TITLE: MODEL SEVEN EVALUATION OF ABNORMAL
FIRING PIN TIPS

REASON FOR TEST

Determine adverse effects, if any, on cartridge primer due to firing pins with abnormal firing pin tips.

TEST PROCEDURE

The Test Lab received from W.A. Warren five (5) Model Seven firing pins with abnormal tips screened by J. Willoughby at PE&C. The five (5) pins were labeled one to five to coincide with photos supplied.

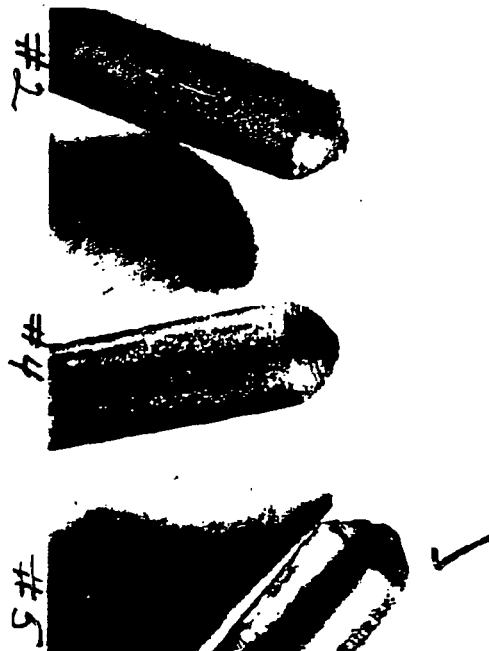
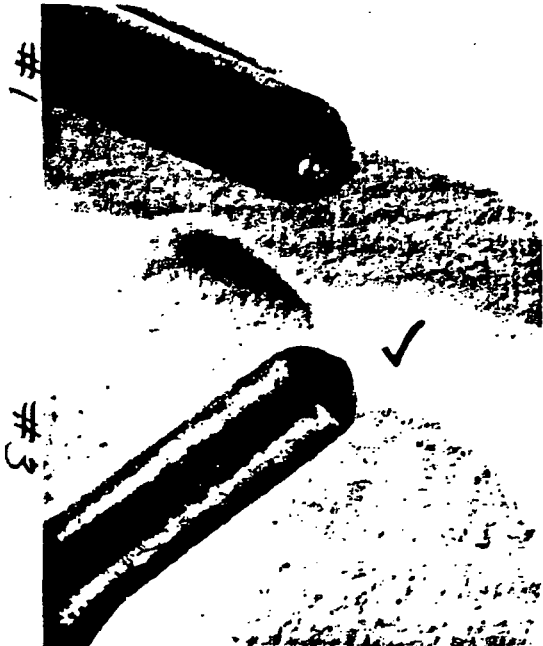
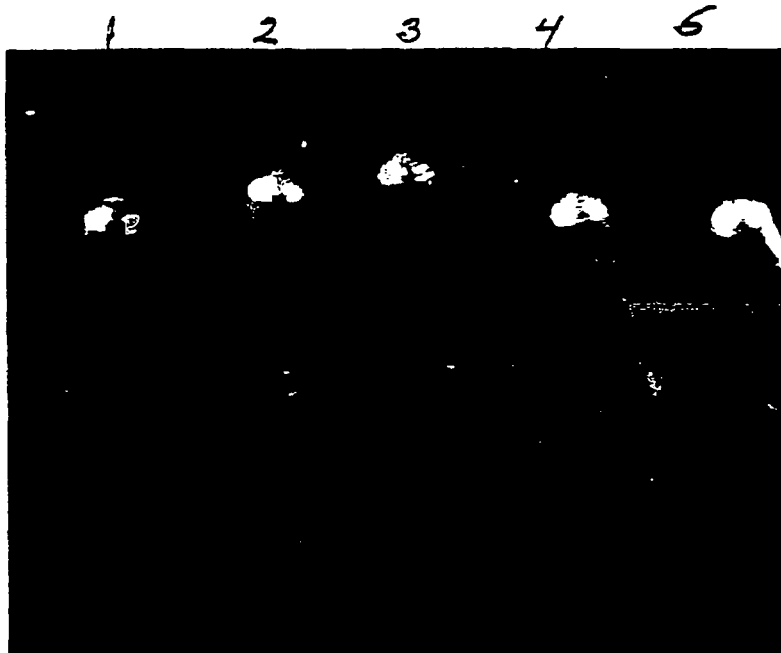
The five (5) firing pins were assembled in Model Seven Cal. .243 rifles. All shooting was done from shooting jacks in the R&D Test Lab. Each rifle was shot one Proof round and 20 rounds at Rem. Cal. .243 Win. 100 Gr. PTD Soft Point. After each shot the primer was checked to see if it had been pierced by the abnormal tip of the firing pin.

TEST RESULTS

None of the primers were pierced by the firing pin during the Test but based on this report and Model Seven Trial & Pilot on Cal. .308 additional steps are being taken by PE&C to minimize these firing pin irregularities.

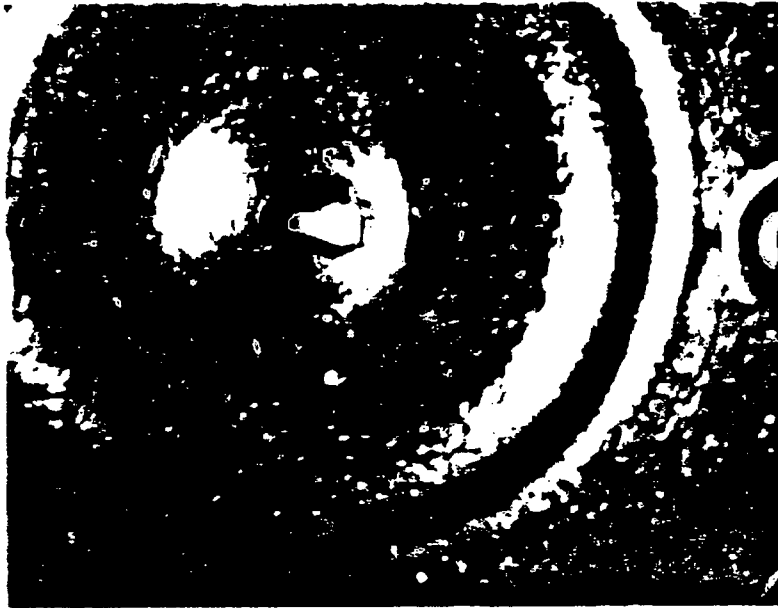
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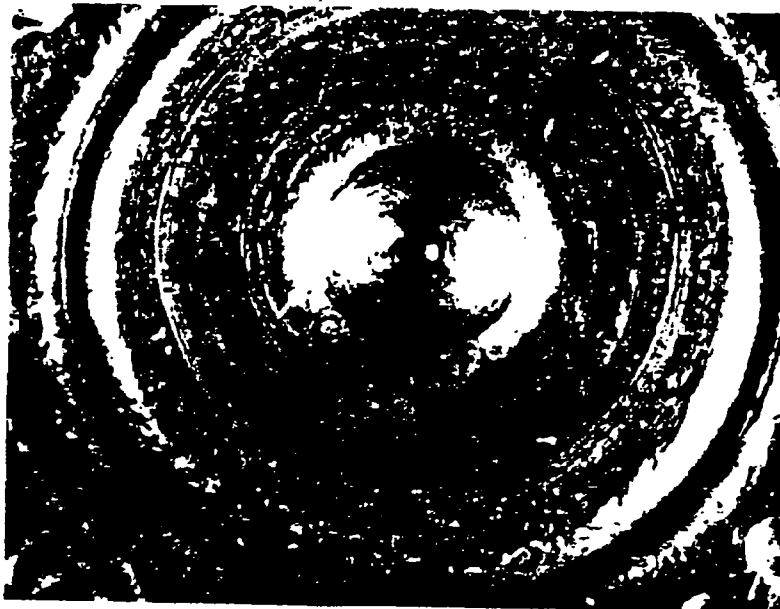


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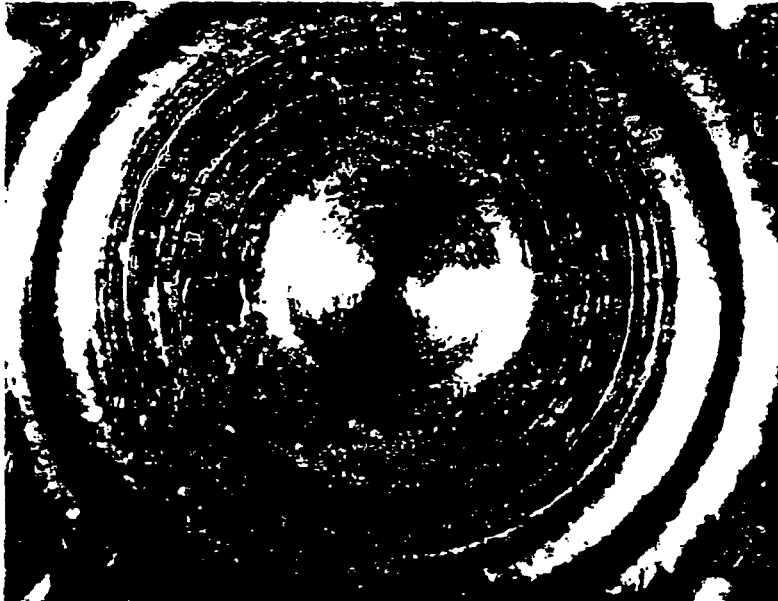
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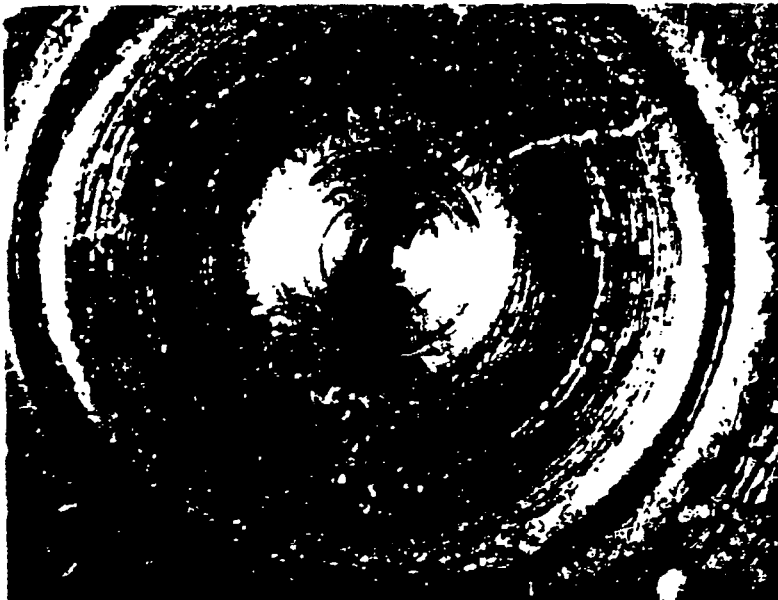
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ALPINE NO 4-10-7



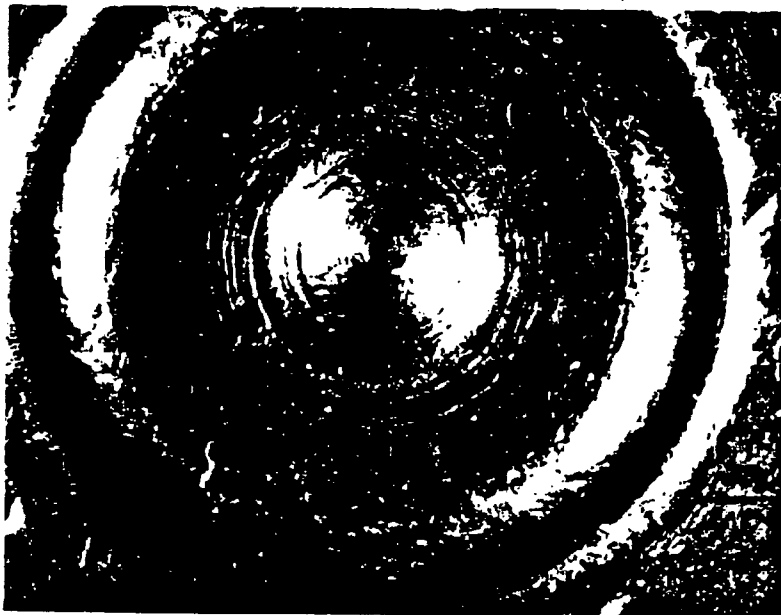
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August 14, 1974



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