

March 20, 1980

MODELS 7400 - 7600

Bolt Velocity Verification - 6mm was shot for velocities (per Production request). Orifice enlarged and reshot for velocity. Tests were successful and updated orifice dimensions transmitted to Plant.

Forty (40) rifles of each Caliber, 30-06, 270, 7mm Exp. Rem. and 6mm were selected from Production samples for field function <sup>design verification measurements</sup> ~~cycles~~ <sup>field</sup> ~~endurance tests~~ <sup>Endurance tests</sup> ~~These rifles are currently undergoing field function tests, to be~~

~~concluded March 21st.~~ Standard thin wall M742 magazines are being used. The rifles have performed well except where the magazine is concerned. Most of all malfunctions listed are directly attributable to magazine problems. *These tests will be completed early in April.*

One rifle in Caliber 270 is a case in point. The rifle was having malfunction problems which were traced to magazine. A heavy wall box with 800 rounds already shot through it was used in this rifle. The rifle fired 100 rounds clean.

A quantity of 12 rifles will be again field functioned using prototype heavy wall boxes.

Concurrent with above testing, three rifles are being endurance to 1000 rounds (jack shooting) and one of the three to 5000 rounds.

*The* Location of Model 4 and Model 6 designations has been approved. Production has three different renderings of the roll <sup>model 4</sup> ~~(44)~~ marking on a single roll. Samples will be rolled the week of March 24th, and drawings will be transmitted at the same time.

The grip cap spacer 16 cavity mold has been reviewed and satisfactory samples have been molded.

*Optical* <sup>discovery</sup> ~~the~~ pewter grip cap <sup>completed</sup> ~~reduced~~ and approval has been given by Marketing for this final version

*⑤ Preliminary  
Tests results so far indicate no  
serious problems.*