

STATUS REPORTMODEL 1100 - PRODUCT IMPROVEMENT

Research has completed 5000 rounds of endurance test, firing 3" 17/8 loads with increased bolt velocities. The new detent system is satisfactory and drawings have been transmitted to the Plant.

We are continuing to test production samples of our product improvement program by dry cycle impacting machines and test firing.

M/742 - M/760 - NEW GENERATION

All drawings for the New Generation M/742 have been released to P.E. & C. for estimating purposes only. This includes drawings for the mechanical improvements in the M/742, and the drawings for the BDL buttstock and fore end in the M/742 and M/760. We expect formal transmittal of drawings during May, as scheduled.

Sample receivers with the new photo-etched game scenes have been returned from the vendor for our evaluation.

A test rifle with the following New Generation features has successfully completed a function test of 2750 rounds. The mechanical improvements tested were:

- Hardened steel receiver insert
- Buffer system
- New ejector position
- Positive disconnecter
- Firing pin design
- Improved action bars

This function test indicates an endurance life of from two to five times greater than at present.

The gas system sealing feature has been test fired and dry-cycle function tested in four test rifles, for 5000 cycles each. The performance of the new design was very satisfactory.

The testing to date has been done using standard M/742 rifles, modified to include the mechanical improvements. The first test firing of a rifle with all of the New Generation mechanical improvements will be prior to April 15. Also included in this test rifle will be a new high strength simplified locking system. We expect this new design locking system to be smoother in operation and approximately 50% stronger than the present design.

JSM:JCH:T  
3-18-75

EXHIBIT 27

*Remington Arms Company, Inc.*