

MONTHLY PROGRESS REPORT - June 1978

6-22-78
JW Brooks:T

MODEL 870 COMPETITION TRAP

Several parts have been redesigned to reduce the muzzle heavy feeling indicated by Marketing. These include aluminum magazine cap, shorter fore end retaining nut, shorter fore end tube and removing material from vent rib posts. Tests are to be run to determine what effect a slightly lighter piston will have on recoil.

MODEL 1100 - 870 TARGET TRIGGER

Two prototypes for the M/870 have been completed, and two for the M/1100 will be completed by the end of June. They will then be put in test in the Test Lab. A patent search has been initiated.

MODEL 700 - 7mm-06 Rem. Caliber

Transmittal of drawings to the Plant has been completed per Operations Committee approval of June 13.

MECHANICAL TRAP

Operations Committee approval of the hand cocked trap was received on June 13. Transmittal of drawings should be complete by the end of June. The manual should be complete by August.

The solenoid release trap with cocking lever is still in field test.

MODEL 600 CARBINE

Marketing is setting up a focus panel to evaluate various designs.

MODEL 541 - 22 Hornet

A single shot model was assembled and proofed. Because of assembly problems headspace was .073. SAAMI recommends .065 to .072. The headspace did not change during proofing. After 18 rounds a head separation was experienced. Headspace was still .073.

A new bolt was fitted, giving a headspace of .066. After 2 proofs it was .067. Test firing was commenced with hard bolt lift being experienced. After the 80th round the bolt had to be pried open. In checking the rifle a fire control stud was broken. This is being repaired so that further testing can be done. Because it is felt that receiver stretch is causing the tight bolt lift problem, a new receiver is being made with approx. 20% more material in the ejection port and magazine port area. This should be ready for assembly within two weeks.

MODEL 700 FIRE CONTROL

A sample sear safety cam assembly and trigger have been finished and assembled into a fire control. Alterations have been made and new parts will be ready for assembly and test the first week in July.

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