

FIREARMSSHOTGUNSMODEL 1100 AUTOLOADING SHOTGUN12 GAUGEManufacturing Cost

Production reviewed the Model 1100 manufacturing cost to date against the Project and against the improvement forecasted at the May meeting. The respective comparisons are shown in Table 1 and Figure 1, attached. The general downward cost trend is due to reduced material and labor cost and direct expense. The improvements must be sustained to offset warranty repairs as this expense begins increasing with more Field exposure. 83

A major high cost operation is barrel machining and is due to the high carbon steel (1141) used for adequate strength of the integral barrel extension. A separate barrel extension is a possible solution. However, barrel costs may be reduced by the GRM process to be started up this month. The cost with the new process will be determined before deciding upon final action.

Gallery rejects are averaging 12-15%, for all reasons, compared to 30-40% on the Sportsman 55 at its equivalent stage of production. Approximately half of the Model 1100 rejects are due to low power. R & D is investigating power system improvements for more consistent gun-to-gun operation.

The Trap and Skeet stocks have been changed to improve sighting. The changes are now limited to Trap and Skeet grades but will be extended to all grades in late August. The front sight ramp on plain barrel guns and the vent rib is being changed to correct the point of impact.

Gun Functioning With New Low Base SP and Interim Paper Target Load

Research indicated the current low base SP loads perform satisfactorily and are better than both the original production and competitive Winchester loads.

Testing the interim paper target load with the "POWER PISTON" is in progress. Results to date are not conclusive and this report will be deferred to the meeting of the Ammunition Section later this month.