

SHOTGUNS - contd.MODEL 870, 28-410 GAUGEMODEL 1100, 20-28-410 GAUGE - contd.

The objective is to have approximately forty (40) model guns available for testing by field representatives by June 1968. Security must be maintained in field testing and by all personnel so that competition will not have advance information on the program.

R & D stated the 20 gauge lightweight Model 1100 would handle the magnum shell. All 20 gauge guns could be chambered to accommodate the 3" magnum shell if desired by Marketing. The present practice of supplying separate guns for field loads and magnum will be continued. R & D also reported that the 28 gauge gun would handle all known 28 gauge shells now offered by competitors.

Marketing issued a letter (Exhibit 1) covering the proposed use of mahogany and walnut wood. The skeet and trap grade 28 and 410 gauge guns are to be weighted to be comparable with the present 12, 16 and 20 gauge. This presents problems of balancing that R & D will have to resolve with Marketing.

R & D prepared a prototype 410 gauge gun with mahogany wood. Mahogany as well as walnut varies in weight. While on the average mahogany is lighter than walnut, the heavier mahogany can be about the same weight as the lightest walnut. The prototype weighed 7 lbs. 1 oz. and was not considered to be representative and therefore was not presented. The objective is to have the gun with rib 7 lbs. or under. The new vent rib being developed should accomplish this objective.

Production reported that due to the limited model testing, several components have not been released by R & D. Changes have been required to the Locking Block which have affected tooling which has been designed and released for procurement. As testing continues, other designed tooling could require changes.