

SHOTGUNS - contd.Short Stock Press Forming - Model 870 - contd.Committee Action:

The Committee approved the production sample gun and recommends General Management approve the release to production and invoiced shipment of Model 870 Slide Action Shotguns with the formed Stock. The approval is based on a change to the top radius like the previously approved current production gun. This is to be effected in the new dies now being fabricated and when these are in production, revising the present dies.

Production is to determine the weight relationship of the molded and current production Stocks.

Receiver - Ejector

R & D has completed model testing of the proposed Ejector which is retained by a dovetail cut in the Receiver. In 500 rounds of endurance testing equivalent to 12 gauge loads, the performance was satisfactory. After 50,000 dry cycles, the Ejector Spring failed and was easily replaced. At approximately 100,000 cycles, the front tip of the Ejector broke. R & D expects to further confirm the adequacy of the design in the Model 870, 28 and 410 gauge model guns. R & D estimated a material and labor increase for this design of \$ .09 per gun. The purchase of additional machines will be required. R & D is proposing to use this design in the Model 870, 28 and 410 gauge guns.

The plant is making measurements of the wall thickness of 12, 16 and 20 gauge finished Receivers as now being produced. Based on the dimensions required for the dovetail cut for the Ejector, the feasibility of the adaptation of this design will be determined.

Machines, tooling and the product costs can then be developed for the 12, 16 and 20 gauge guns.