

SHOTGUNS - contd.MODEL 1100 AUTOLOADING SHOTGUN - contd.

properly done, reduces the hardness under specifications. R & D is to determine if drilled holes and a bent wire catcher should be provided for Trap Barrels. This should eliminate the possibility of difficulty due to soft Barrels.

A report (Exhibit 1) on problems encountered at the World's Skeet Championship and Grand American Handicap shoots was reviewed. Although indicated in the report there is no action being taken on the Receiver and Barrel Extension breakages, it is planned to increase the wall thickness at the bottom of the locking notch in the Barrel .009". Also tests will be made to determine if eliminating the relief cut at the rear of the Barrel Extension section of the Barrel will reduce breakages.

The suggestion that a different material for the Receiver and a screwed-on Barrel Extension be used was discussed. A two-piece Barrel Assembly would not be as strong as the present design unless a method of press fitting and welding could be developed. This might increase endurance by 4000 to 5000 rounds. R & D has been considering three longer range approaches to the problem.

1. Enlarge the Barrel Extension section which would reduce the opening at the front of the Receiver ejection port. The appearance might not be acceptable.
2. Change the locking system to the rear of the ejection port and provide for a double locking to equalize the stresses.
3. A new line of shotguns in which a double locking system would be used.

MODEL 1100-870 "ALL AMERICAN" TRAP GUN
(Introduction 1971)

R & D reported that a prototype of the proposed engraving and checkering for the "All American" Trap gun should be ready to