

SHOTGUNS - contd.MODEL 1100 AUTOLOADING SHOTGUN - IMPROVEMENTS - contd.

- . Revised Links - development work is continuing. R & D testing is required.
- . Improved Interceptor Latch - development work is continuing. A process and estimate are being developed so that a product cost estimate can be made. R & D testing is required.
- . Smaller Gas Orifice - 3" Magnum - in effect.
- . New Piston - these are in use on 12, 16 and 20 gauge guns.
- . Relocate Barrel Marking - product cost estimate is being made. Tool design has started.
- . New Fore-end Tube - there is an approved plant order for this improvement. Use of approximately 10,000 tubes which are being glued in has started. Delivery of tubes for the permanent changeover will start in the fourth quarter.
- . Extractors - two proposed improvements are ready for R & D endurance testing. One design has been tested 24,500 rounds without failure. One Extractor has been tested. Current design Extractor life is about 6700 rounds.
- . Improved Rust Resistance of Magazine Tubes - factory cost of chrome plating the Magazine Tube, Piston and Piston Seal is \$.44 per gun. Testing has not started. A supplier of a satisfactory grade of stainless steel for the Magazine Tube has not been located. This does not appear to be a viable alternative. A controlled test to establish effectiveness of plating will be required before making this change.

R & D reported that testing of the new trap Barrel showed an improvement at 16 yards only. The point of impact is to be raised 2" more. Two Barrels were selected from the five for the highest point of impact and are ready to go to Bridgeport for testing by handicap shooters.

83