SHOTGUNS - contd.

MODEL 1100 SHOTGUN

R & D reported that stress tests of Barrels with the reduced depth of the locking notch in the Barrel had been completed. There was no less stress found in Barrels with the reduced locking notch dimensions. There is a greater stress variation in the fit of the Barrel and Receiver. Also stress variations were observed in different ways that the Barrel may be assembled in the Receiver.

Production reported there have been no assembly problems due to the change to the depth of the locking notch. Also to date, there have been no returns from the field of Barrels having the reduced depth of the locking notch. Normally a few complaints would have been expected within this length of time that the change has been in effect. It will probably be a year before any significant field results will be available.

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In the testing of guns at Bridgeport, there have been no cracked Barrel Extensions or Receivers reported to date. There were other part breakages reported and in one gun, the brazed Action Tube shot off after four thousand (4000) rounds with low-base shells. Production will issue a report to Marketing on the status of the program improvements on parts other than the Barrel and Receiver.

It is planned to continue the Bridgeport test. Results will again be reported at the April meeting.

Regarding the rusting of Pistons and Piston Seals, particularly in the southern areas, R & D has investigated various lubricants, chrome plating and the use of stainless steel. The chrome plating of these two parts would add approximately $.10 to the gun cost.

Marketing was furnished sample chrome plated Pistons and Piston Seals for field evaluation.

Attached as Exhibit 1 is the R & D test results of lubricants. R & D indicated that the "CRC Mask" which is available in most sporting goods stores provides the best protect. However, this