

SHOTGUNS - contd.IRON SHOT PROGRAM

R & D reported that Production completed a small test lot of Barrels with 9 of these being shipped to Bridgeport during the last week in December. These were prepared especially to check any advantage or differences between the current production choke tapers as compared to the model drawing design with more of a flat taper ahead of the choke section. Also a comparison is to be made to determine any advantage from hardening the choke areas by heat treatment.

A second lot of 30 test Barrels has been cold formed by ERD engineers and is ready for machining. Fifteen of these are formed on a mandrel having a full length straight taper to the choke diameter at the muzzle. The other 15 are formed to our model drawing choke tapers. The effect on shot patterns will need to be tested for the full tapered Barrels. However, if favorable, this should certainly provide the best condition for use with iron shot.

Bridgeport test results are not yet complete. Current iron shot loads are suitable for test work only.

MODEL 1100, 410 GAUGE 3" CHAMBER SHOTGUN

Production reported that Model 1100, 410 gauge shotguns have been assembled using the revised Action Bar Assembly. These guns are in test.

ADHESIVE-FASTENED VENT RIB AND PHOTO-ETCHED MATTING

R & D reported that a consistent etch depth has not been achieved by adjustment of process variables on the photo-etched matting equipment. It was recommended that the equipment manufacturer's representative be requested to assist in this work. However, in the meantime, the problem may have been solved by compensating for the loss of light through the "Lexan" insert which supports the artwork in the fixture. If confirmed by processing additional ribs, it may be possible to start pilot operations within a week.