

SHOTGUNS - contd.MODEL 870, 28-410 GAUGEMODEL 1100, 20-28-410 GAUGE - contd.

In the model gun testing, the malfunction rate for the Model 870 has been 1.5% and the Model 1100, 2.5% to 3%. Due to the changes, part of the malfunctions may be due to the patched up model parts. R & D has requested production components to model drawing as soon as possible to confirm the design.

A prototype with a knurled attachment for the end of the Magazine Tube to provide added weight for skeet shooters was shown to the Committee. Costs of the part are being developed. The extension which has a hollow section will weigh approximately .65 pounds. The customer can add up to an additional .18 pounds of lead shot. The lead shot would be contained by a threaded rod piston arrangement in the attachment. It was recommended that the weight attachment be sold as an accessory. R & D plans to test the attachment to determine if the Magazine Tube threads and the brazed attachment of the Barrel Guide Ring are adequate. 83

R & D reported that the use of a 2½ inch chamber in comparison with the 3 inch improved the shot pattern in a 410 gauge skeet Barrel approximately 2.5% using either Remington or competitive ammunition. To provide a 2½ inch chamber for 410 gauge skeet guns and the 3 inch chamber for field guns would increase in-process inventory. Also the customer would experience problems if 3 inch ammunition was used in a short chamber gun. Since the plant expects to chamber pilot Barrels in April, the tooling to produce a short chamber for the initial lot would not be available.

It was reported that 410 gauge shells are being silicone coated. R & D upon further checking of the buildup in the chamber believes the problems may be due to the rough chamber or out-of-round condition in the model gun Barrels. Further tests will be made when additional model guns are available.