

7 May '93

To: Ken Soucy  
From: Tom Powers  
Subject: Monthly Report for April '93

M/OU Barrels

The skeet tube sets made by Briley & Kolar have been received and pattern tested. Pattern results indicate no change in point of impact from the untubed barrels. Installation and removal of the tubes was judged acceptable by both R&D and Marketing. Three sets of 30" barrels (with the current front barrel spacer) were received from production for pattern testing. Two sets shot within specification. On the third set, the top barrel shot out-of-spec to the right, but within specification vertically, while the bottom barrel was barely acceptable. This barrel set was taken to Arms Service for a visual examination. It was determined that the top barrel was bent to the left, the bottom barrel was bent slightly to the right, and the vent rib was bent to the right. All three sets were acceptable based solely upon the vertical difference between the top & bottom barrels within the set. The bottom barrel shot below the top barrel on all three. A new front spacer will be designed to make the barrels shoot to the same POI.

M/11-87 European

Additional samples of wood were received this week. The fore-ends have more wood on the bottom and the screw stripping problem has been addressed. Cracking was discovered on the inside diameter of the action bar sleeves that were endurance tested. This condition is not acceptable. The current version of this part is two ounces heavier, but will be acceptable for use if the total gun weight is not over 7.25 lbs. (25" Bbl.).

M/870 & M/11-87 Upgrades

Need to issue new drawings for the barrel assembly.

Improved Recoil Pad

Commencing with next month's report, this program will be reported as the New Peerless Recoil Pad. The scope of this program has changed. The intent will be to design a pad similar to the 90T's, only utilizing a material that processes better without sacrificing any softness or flexibility. Samples of the Pachmayr Decelerator pad (which sands nicely) were sent to the Experimental Station for analysis, results due 7 May.

M/870 Mil-Spec 3443E

John Rogers is attempting to get the testing specifications from the government so we may conduct an in-house test of the 26 guns we built.

M/11-87 DEA

The DEA finally sent John Rogers a summary of their testing of the bid samples we provided to them. We should be able to change our product to make it pass their test the next time.

20 Ga. Rifled Barrel

Winchester makes the only available competitive sabot ammunition. We have 500 rounds in house for test. Prototypes of our offering, with molded sabot's, may be available by mid-June. The 1 in 24 twist rate was selected for production, based upon testing done in Lonoke and Ammo R&D's recommendation. The ECM mandrel to rifle the barrels has been ordered and will be ready in early June.

Shotgun POI

We will investigate using a Krieghoff-style globe front sight and retapering the vent rib within the confines of the current blank. On hold pending other priorities.

10 Ga. IC Choke Tube

Prototype design complete. Samples have been received from the vendor. Testing to be scheduled.

12 Ga. Rifled Choke Tube for Sabot Slugs

The prototypes of our design will be here next week. We will begin testing them (with our and competitive ammo) along with the two Browning rifled tubes. Testing may be delayed due to lab priorities.