

28 May '93

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

#### M/OU Barrels

Three more sets of 30" barrels (with the current front barrel spacer) will be provided by production for pattern testing. Another six sets (without a front spacer) are also on order. These will be used for front spacer development if the previous three shoot low. If required, a new front spacer will be designed to make both barrels shoot to the same POI.

Design of the barrel assembly for the new Peerless Sporting Clays has begun. The parts of the barrel assembly which must be redesigned for this model are: barrel, barrel spacers (front & middle), vent rib and the fore-end lug.

#### M/11-87 European

This project has been abandoned due to the Butternut wood becoming an "endangered species," as a result of a fungus which is attacking the trees.

#### M/870 & M/11-87 Upgrades

Need to issue new drawings for the barrel assembly.

#### 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. The results of the analysis have been received. A specific material is not identified, but rather a list of ingredients which comprise the material. We are trying to get the material identified, for drawing specification and quoting. The CAD model of the new pad is complete. The drawing for the steel reinforcement is done. Drawings for the backer plate and the molded pad (assembly) will be done by June 11.

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

No change since receiving the report from the DEA. The items for redesign have been identified.

20 Ga. Rifled Barrel

The drawings have been transmitted. Winchester makes the only available competitive sabot ammunition. We have 400 rounds in house for test, having sent 100 rounds to Lonoke for their testing. Prototypes of our new slug, with molded sabot's, may be available by mid-June, for our testing. 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

Testing was to have begun but the unavailability of ammunition has delayed the start.

12 Ga. Rifled Choke Tube for Sabot Slugs

Testing was begun with our prototypes and competitive rifled chokes. We then had to postpone testing due to accuracy problems with our 12Ga. sabot slugs. A new lot of ammunition is being shipped from Lonoke, due to arrive by June 4. Testing to resume at that time, pending lab priorities.