

2 November '92

To: Ken Soucy  
From: Tom Powers  
Subject: Monthly Report for October '92

M/OU Barrels & Side Ribs

In the middle of the month we discovered that we had a large discrepancy in the point of impacts between the two barrels. The top barrel was shooting nearly dead on at 40 yards, but the bottom barrel was shooting approximately nine to ten inches lower than the top one. An investigation revealed that previous prototypes also shot askew. For reasons unknown, we did not recognize it then. In order to get the POI correct on the guns for the writer's seminar we will replace the front spacer with a redesigned version which will draw the bottom barrel upward by .110 inches at the muzzle. The rear spacer will not be changed on these guns. For production we propose to utilize a new front spacer, which will swing the bottom barrel upward .140 inches (at the muzzle), and a redesigned rear spacer which will allow the barrel to flex naturally upward by .014 inches at that position. Prototypes of this version will be made and tested after the writer's guns are complete. The fit of the side ribs may be objectionable with the barrels drawn this close together. We will evaluate this when prototypes become available. The latest side rib prototypes from H. M. Quackenbush with black chrome finish are still not acceptable. Samples finished with our in-house alternative, gloss powder coat, were not acceptable either. Samples finished with both black chrome and black anodize have been requested from Quackenbush and Anoplate, a Syracuse vendor. Square Stamping has received the extruded aluminum blank stock from their vendor, and have provided samples which have been cut to length and have the tab milled on the end.

M/11-87 European

This program has been reassigned to the 1994 development schedule. Additional butternut blanks have been requested to produce prototypes for endurance testing. Special European ammunition for testing has been received. Additional prototype action bar sleeves must be made before testing can begin. The prototype gun weighed exactly seven pounds.

M/870 & M/11-87 Upgrades

Process Engineering has provided a barrel assembly drawing with their in-process dimensions, to be used as a guide for the new drawing we will issue.

M/870 & M/11-87 Magazine Follower

All that remains on this program is the testing and approval of the orange-colored Police version of the part.

Detachable Recoil Pad

This program was moved to the 1994 development schedule at the August Firearm's Product Team meeting. Work will continue to get a functional prototype for show & tell purposes.

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/870 Action Bar Lock

The DCR has been written and money for the tooling changes has been authorized. H & P is expected to have the tooling ready by the end of November. Approval of parts from the tooling will follow. Production quantities should be available in January.

20 Ga. Rifled Barrel

Awaiting ammunition to begin testing.

Shotgun POI

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