

To: Richard Jackson
From: Gary Barnes
Subject: Progress Report (11-30-93)

M/700 Detachable Magazine

The short action cams for the TR-124 were received in early November. The short action receivers ran very well during 100 piece T&P. The TR-133 cams are due the first week of December. The station #3 long action roughing cams have been received but not implemented to date.

The majority of my time was spent at final assembly and the gallery this month assisting and monitoring the DM progress. A special procedure sheet depicting the operations that differ from the regular M/700 at assembly and test and target was issued to all concerned employees. Also a gallery sheet to record and categorize the malfunctions was issued. The malfunctions have been over rides, jump magazine and stem right chamber. A shell coverage gauge is being used on the bench and is effective in catching the over ride problem before it reaches the gallery.

M/700 Classic 6.5 X 55 Swedish

The chambering operation for the trial and pilot was done on the Wasino using the newly designed tooling. This went very well after discovering a small error in the dial depth gage. The heading operation went equally as well as did the assembly and gallery. The bolt assembly shroud was opened an additional .007" to accomodate the larger cartridge rim. If used with a regular bolt assembly the cartridge head would catch the shroud opposite the extractor and reduce the energy produced from the ejector spring during ejection. The average target results were 1.7" using a 5 shot group.

DeHoff Project

The multi-spindle gundrilling machines are being utilized two shifts currently. One machine is experiencing problems with the automated brake clutch system. A service engineer is due December 6 to correct the problem. The stock in stores maintenance items are nearly complete.

Front Sight Ramp-FBI

The program to machine the extremely low profile front sight ramp is complete and ready for debugging. The ramp will require additional milling on the Kingsbury because the fixtures will not allow the dovetail profile mill.