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June 8, 1983

TO: C. B. Workman
FROM: J. S. Martin/D. S. Findlay
SUBJECT: Staff Notes

NEW PRODUCT DEVELOPMENT

Model 1100 Special Shotgun

Research effort on prevention of cracking in the M/1100 Special Fore-ends has been concentrated on two primary designs.

Both designs utilize a new detent system retained in the magazine tube. Plastic molds for this system have been ordered. Scheduled date for this design is July 15, 1983. The prototype molds can be used to support production through the end of this year.

The first design is a buffered fore-end having an elastomer sleeve retained in the fore-end. Sample molded parts are expected by June 30.

The second contingency design utilizes an extension on the magazine cap which separates the fore-end from the internal loads caused by the barrel. Parts for this system will be ready for test June 22, 1983.

Three back up designs are being worked on:

- Epoxy impregnation of the wood
 - Samples ready for test June 20, 1983
- Black plastic fore-end tip
 - Samples ready for test June 20, 1983
- A double buffer system and a plastic fore-end liner
 - Samples ready for test June 30, 1983

JSM/DSF:ws