

May 11, 1973

III. Future Programs

- a) The Solid State Control and Enunciator design is awaiting components. The latest anticipated completion date for the first unit is approximately 6 weeks.
- b) The modification of the powder detect adjustment has been completed on 5 of 10 machines.
- c) The design to improve the lineup of the shells under the powder detect station has been received from E.R.D. in Bridgeport. One prototype has been installed on #5 duplex running 243 Win. shells. This device will be installed where small I.D. shells are being run; i.e. 243 Win., 25/06 Rem.
- d) Works Engineering investigated the possibility of removing shells with improper powder charges from the dial at the detect station. They determined that this was not feasible, therefore no further work is being done on this. *The present machine has a memory device and rejects the cartridge further in the loading cycle, but does not lead a bullet in the case with no powder.*

Summary

Since the mechanical changes have been made to the duplex loader, as well as increased emphasis on powder detect checks, there has not been any "no-powders" found in the good work. Approximately a week ago Production weighed 10M 243 Win. cartridges. This was done as another audit. No powder defects were noted. Production will continue to make periodic audits of 10M - 15M pieces to insure that the present reliability is maintained. These results are certainly encouraging and indicates we are making progress on powder defect problems.

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