

A change would decrease the machine downtime. Furthermore, sensitivity of shells produced from new punches during the first five minutes is decidedly inferior.

Project: Drop Test
Personnel: C.J.W. Wiegand, P. D. Deans, D. Petruccelli

The evaluation of the new run-down procedure on #39(1316) primers is continuing. Results to date indicate that the tentative specification is too stringent.

The use of a primer die test was approved on M35 and 20(125) primers.

A modified acceptance procedure for shot shell primers by means of run-down tests in the die has been proposed to the Ballistics Department and will be put into effect before the end of the month.

Project: Automatic Rim Fire Charging Machine
Personnel: R. Melick, C.J.W. Wiegand, D. Petruccelli

This machine has operated entirely satisfactorily from a safety angle. A standard procedure for the handling of mixture, the running of the unit and periodic cleanups has been devised and put into effect. Mechanical difficulties were encountered as the mixture is apt to pack too tightly in the primer mixture receptacle. This unit is now being redesigned.

In all of the subjects commented on above, results have been accomplished with the cooperation of various units of plant personnel. This assistance is very important and has made possible the completion of many difficult assignments. There have been, in addition to the items discussed, many other technical and/or operating problems which have been resolved in cooperation with plant personnel. In particular, Plant Process Groups have been outstandingly effective.

Ballistic Standardization Group
R. S. Chamberlin, Supervisor

Project: Standardization
Personnel: N. Conrad

Gun barrel gauging equipment received in November has facilitated the selection of barrels with minimum dimensions.

Preliminary test work has started on the .30/06 180 gr. Core-Lokt commercial cartridge in selected gun barrels.