

Work of gauging other types of caliber .30 is now in progress.

Standardized gun drawings of various calibers have been issued to the Purchasing Department for procurement of weapons which will be needed to complete the test program.

Meetings were attended at Frankford Arsenal looking to the issuance of a new and revised manual of test methods of military small arms ammunition.

Project: Powder Development

Personnel: L. Alling

Follow-up ballistic tests of duPont EX-5053 powder were made on production loads of .22 caliber Long Rifle Hi-Speed ammunition and found to be satisfactory. Final recommendations were made to the plant for the use of this powder as an alternate standard.

Tests of powders for .22 caliber Long Rifle loading at velocities in excess of 1,300 ft/sec. are still in progress.

Project: Equipment and Facilities

Personnel: L. Alling, N. E. Conrad

Plant ballistics assigned full time use of one caliber .50 range to this group which has materially aided test work.

The Lumiline target disjuncter has been used satisfactorily for shot pellet velocity measurement during the past Quarter which has eliminated the need for range sound-proofing with other type disjuncters.

Trips:

A visit to Burnside Laboratory was made for the purpose of discussing powder development, standardization and problems mutual to both Remington and duPont.