

<u>Inactive Projects</u>	<u>Authorized Amount</u>
Development of Soft Point Core-Lokt Bullets - TP-3386	\$ 2,000
Investigation of Induction Annealing - TP-3412	3,000
Pointed Core-Lokt Bullets for Long Range Ballistics - TP-3421	3,000
Shot Shell Head Manufacturing - TP-3424	1,000

Product Engineering Group - R. B. Bowie, Supervisor

The following items summarize the principal Plant Assistance work done by the Engineering Unit under Category A during the Quarter.

Center Fire Metallics

Project: Caliber .30 Carbine Shell
Personnel: A. Travostino, G. Keller, R. Malcom

As a result of the application by the Ordnance Department of the mercury cracking test requirement to the finished cartridge, a mouth anneal has been developed and put into effect which makes possible our conformance with the new specification requirement.

Project: Caliber .25, .30 and .32 Remington Cartridges
Personnel: A. Travostino, G. Keller, R. Malcom

Shells properly made under existing processes are free of the severe body strains and tendency to separate completely. Some basic work remains to be done on the problem of primer setbacks and this is being pursued. The product, however, is considered satisfactory for shipment.

Project: Caliber .250 and .300 Savage
Personnel: A. Travostino, G. Keller, R. Malcom

Control firings have indicated a tendency in these shells to produce blown and leaky primers. It has been determined that these deficiencies can be overcome by various revisions in manufacturing practice which have been made a part of the Process Record or are now being incorporated therein.