

Proposed Next Quarter's Work:

Revise models according to change suggested by the Ordnance Department. Re-submit and close project.

Project: Modification to U.S. Rifle M/1 (Paratrooper's)
TP-3430

Personnel: K. J. Lowe, C. C. Loomis, W. B. Kennah

Authorized Amount: \$15,200 Total Expended to Date: \$13,598

Nature of Problem:

Convert a M/1 rifle to accommodate a 20-shot magazine and to fire full, as well as semi-automatically. Certain restrictions on weight and degree of similarity with unaltered M/1 made this problem a difficult one.

Summary of Progress from Inception:

Several samples have been made incorporating redesign of components as requested from time to time by Ordnance Department. The objectives of the project have frequently been modified by them.

This Quarter's Work:

Satisfactory firings at Aberdeen were obtained with the model submitted on the firing of several thousand rounds. However, weaknesses were shown to exist in the bolt, extractor and magazine which were inherent in the original design of these components. We have therefore undertaken at Ordnance request to redesign them for greater durability. This work is nearing completion.

Proposed Next Quarter's Work:

Continue development to perfect functioning, concentrating on revision of the magazine.

Project: Caliber .30 Machine Gun Barrel - TP-3433

Personnel: E. K. Wheat, K. B. Fontaine

Authorized Amount: \$1,000 Total Expended to Date: \$919

Nature of Problem:

Produce 100 Stellite lined caliber .30 Browning machine gun barrels for OSRD.

Summary of Progress from Inception:

Twenty-five barrels are in process, twelve to check the possibility of producing the standard rifling by the draw rifle method, the remainder to gain experience in inserting Stellite liners.

This Quarter's Work:

Included above.

Proposed Next Quarter's Work:

Complete manufacture of 100 barrels.