

Project: Caliber .50 Machine Gun Barrel - Draw Rifled - TP-3440
Personnel: E. K. Wheat, K. B. Fontaine
Authorized Amount: \$5,000 Total Expended to Date: \$4,604

Nature of Problem:

To rifle Stellite lined caliber .50 barrels by draw rifling and to convert one caliber .30 machine to perform this operation.

Summary of Progress from Inception:

Machine has been converted. Thirty-two steel barrels and four Stellite barrels have been rifled by the draw method. Tests have been made with steel barrels looking toward duplication of cut rifling by the draw rifling method. Indications are not promising. Further work is pending receipt of additional barrels.

This Quarter's Work:

Included above.

Proposed Next Quarter's Work:

Due to lack of funds we will only rifle ten additional barrels when they are received. Additional work is being requested by OSRD.

Project: Rite Flite Trap and Magnetic Release Rite Flite Trap - K-3030, TM-3328

Personnel: F. G. duPont, Gun Design Unit

Authorized Amount: \$5,970 Expenditures to Date: \$6,200
1,500 1,642

Nature of Problem:

The design of traps that are more economical than those in our present line, and a magnetic release for use with the same.

Summary of Progress from Inception:

Models of the trap and release have been completed and test started.

This Quarter's Work:

Tests indicated rapid wear between the pawl and trigger. Revision of these parts is under way.

Proposed Next Quarter's Work:

Complete necessary revisions, and, if possible, complete all tests.

Project: Sabot Projectiles - TP-3417

Personnel: T. R. Kinraide, R. H. Grace, J. Hammond, E. K. Wheat, G. L. Fuller, M. D. Blanck

Authorized Amount: \$150,000 Total Expended to Date: \$105,000