

This Quarter's Work:

Work on this development has been held up, however, awaiting a decision as to whether wad molding facilities would be increased, in which case a justification for filler wad blanking feed is doubtful. No decision has yet been made.

Proposed Next Quarter's Work:

Nothing is proposed unless the decision is made to delay indefinitely additional wad molding facilities.

Project: Progressive Die Machine - Shot Shell Battery Cups
RX-B-3804

Personnel: S. A. Chantland

Authorized Amount: \$8,350 Total Expended to Date: \$9,125

Nature of Problem:

Experimental work is being carried forward to manufacture battery cups by the progressive dieing machine from a continuous strip in one machine and four operations in place of the present process using four types of machines and fifteen operations.

Summary of Progress from Inception:

Preliminary tests have been run on a semi-production basis with approximately 3,000,000 functionally satisfactory cups fabricated on military orders. Additional tests were undertaken to determine tool and die life but continuous control of tolerances could not be maintained. Additional tests indicated that the steel was not soft enough and an additional order for correct material was placed and further experiments conducted unsuccessfully. Further work was done by the Research Unit collaborating on this study on the development of improved tool contours with the result that this unit has been operated experimentally making satisfactory cups. Products Committee has approved these samples.

This Quarter's Work:

Approximately 350,000 cups were made and are being fabricated in production.

Proposed Next Quarter's Work:

A Part IV is being written to this project to purchase a production die set for plant scale tests, three months' operation in production, and preparation of construction project and final report on this development. This work will be started as soon as the additional part to the project is approved.

Project: Primer Machine Development Survey - RX-B-3825

Personnel: G. R. Melick

Authorized Amount: \$3,500 Total Expended to Date: \$1,773

Nature of Problem:

A project has been approved for a study of the Primer