

new machinery and further mechanization of facilities to combine operations.

Summary of Progress from Inception:

A project has been approved and the study has already led to development of additional projects for specific studies listed below.

This Quarter's Work:

Rim Fire Visual Inspection Machine and Rim Fire Shell Manufacturing Machine projects were written on these studies during the month.

Proposed Next Quarter's Work:

Prepare project for the manufacture of long rim fire bullet slugs on Dominion wheels.

Project: Rim Fire Shell Manufacturing Machine - RX-B-3827
Personnel: S. A. Chantland
Authorized Amount: \$5,000 Total Expended to Date: \$955

Nature of Problem:

It is proposed to design a machine which will take annealed cups, and will draw, cutoff, head stamp, and gauge heads to produce a finished case ready for relief anneal, washing and drying operations, and priming.

Summary of Progress from Inception:

A project was written and approved to make preliminary study and layout of such a machine. Work is being followed with the Research Unit who are developing a one-draw case layout for rim fire shells.

This Quarter's Work:

During this Quarter the project was written and approved.

Proposed Next Quarter's Work:

It is proposed to complete the outline plan of the machine and start work on tool development which will be done by the Engineering Unit.

Project: Caliber .22 Primer Mixture Charger - RX-B-3805
Personnel: G. R. Melick
Authorized Amount: \$10,000 Total Expended to Date: \$7,178

Nature of Problem:

Experimental work is under way to provide automatic primer mixture feeding on one of the new caliber .22 semi-automatic rim fire priming machines in order to replace hand rubbing.

Summary of Progress from Inception:

The unit has been designed and has been run satisfac-