

sizing, and cutoff equipment for the shot shell paper tube process.

Summary of Progress from Inception:

All three units have been redesigned and construction of the cutoff machine is well under way.

This Quarter's Work:

Design was completed on the winding and sizing machines during this Quarter, and necessary machine parts have been ordered to assemble one each of these machines.

Proposed Next Quarter's Work:

These units will be assembled and tested as rapidly as possible.

Project: Parallel Tube Drawing - RX-B-3819

Personnel: L. H. Messinger

Authorized Amount: \$6,000 Total Expended to Date: \$3,319

Nature of Problem:

An experimental machine is being investigated to determine the different methods of making shot shell tubes from paper or other materials by forming a tube completely wound and the seams running longitudinally the length of the tube.

Summary of Progress from Inception:

This unit has been designed and built, but there was undue delay in waiting for certain gear parts for the unit.

This Quarter's Work:

During this Quarter parts have been received so that the machine can be completed.

Proposed Next Quarter's Work:

No additional work is contemplated during the next Quarter because of the necessity of completing higher priority experimental work.

Project: Filler Wad Blanking Feed - TP-3402-9

Personnel: L. H. Messinger

Authorized Amount: \$300 Total Expended to Date: \$245

Nature of Problem:

At the request of the plant, work was started to develop mechanical means of feeding filler strips to the wad blanking presses.

Summary of Progress from Inception:

An estimate of saving has been made, and project prepared for installation of necessary equipment.