

five gauges, to cost and weigh less than the present Model 11.

Summary of Progress from Inception:

A model exhibited by V. A. Browning has been examined. Certain altered parts for use by V. A. Browning in evaluating the interesting features shown in his model have been made.

This Quarter's Work:

Included above.

Proposed Next Quarter's Work:

Make certain parts which can be used in conjunction with Model 11 guns, to evaluate some of the principles which are being considered for inclusion in the Model 851.

Project: Model 550, Autoloading Rim Fire Rifle - Improvement to Functioning - TM-3313

Personnel: K. J. Lowe, R. P. Kelly, H. W. Young, Gun Design Unit

Authorized Amount: \$14,100 Total Expended to Date: \$13,625

Nature of Problem:

To revise the design of the Model 550, to return the gun to the trade with assurance of more satisfaction to customer.

Summary of Progress from Inception:

Guns with parts made to drawing specifications were tested. After indicated alterations were completed the tests gave satisfactory functioning. Simplification of design is desirable to develop a gun which will handle a variety of .22 caliber cartridges without the use of the slip chamber, and make more economical their manufacture. Justification for this further revision cannot yet be established.

This Quarter's Work:

Secured parts from the plant to assemble twenty-five guns. Where required, those parts have gone into the Model Shop for revision.

Proposed Next Quarter's Work:

Assemble and alter, to include revised parts, twenty-five guns, and complete their testing, and furnish the necessary information to the plant for production of a post war Model 550.

Project: Model 552 Tubular and Model 540 Box Magazine .22 Caliber Rifles - TP-3414

Authorized Amount: \$25,000 Expenditures to Date: \$236

Nature of Problem:

Design a .22 caliber low cost autoloading rifle to be made in two versions: (1) a tubular magazine model to be known as the Model 552; (2) a box magazine rifle to be known as the Model 540.