

Summary of Progress from Inception:

A model was constructed in .30-06 caliber and tested for 3000 rounds. Tests indicated certain sliding surfaces break down due to heavy load. Weight is satisfactory. Costs are higher than desired, but lower than present line of slide action center fire rifle.

This Quarter's Work:

Model work on a revised action nearing completion. Alteration of the trigger plate. Set of brass castings for a master pattern of receiver were produced. About fifteen Model 760 aluminum receivers were precision cast which were unsatisfactory due to failure of the lining of the mold.

Proposed Next Quarter's Work:

Assemble a model with revised action and test. If successful, die casting dies and sample die castings will be procured.

Project: Model 740, Autoloading High Power Rifle - L-3122

Personnel: H. W. Young, Gun Design Unit

Authorized Amount: \$48,100 Expended to Date: \$18,012

Nature of Problem:

Design autoloading means which could be applied to the Model 760 with a maximum number of parts common to both models.

Summary of Progress from Inception:

Autoloading means were developed in conjunction with a preliminary action and used for firing 300 rounds of .300 Magnum ammunition with the Model 760 action which had previously undergone the 3000 round test. The weight was satisfactory, but gun was muzzle heavy. Revision of the autoloading means will have to be made. Other problems remain unsolved.

This Quarter's Work:

Work held up pending completion of a revised Model 760 action.

Proposed Next Quarter's Work:

Install the present autoloading means in the revised Model 760 action, test its suitability for use, and alter as found necessary to increase rate of fire and reduce muzzle heaviness.

Project: Model 851, Autoloading Shotgun - TP-3428

Personnel: J. D. Howell, D. R. McNally, F. G. duPont, Gun Design Unit

Authorized Amount: \$25,000 Total Expended to Date: \$1,662

Nature of Problem:

Design an autoloading shotgun, to be manufactured in