

Proposed foundation for a new bolt action shotgun.

Bolt  
Action  
Shotgun

I believe this program can be achieved easily at low development and production cost, because the ground work for such a design was thoroughly covered during the M788 and M540 period.

The effort of simultaneous design to process concept was almost a success in the M788 development, and was attempted to eliminate the costly redesign to process that always occurred in previous attempts. The big problem was to nail down process engineering at the early design stage instead of after the model was tested and accepted for production.

We did achieve a measure of success with this approach by making our layouts of all essential cuts in the receiver the same whether they were for the M788-M540 or the proposed bolt action shotgun. This included the receiver lengths, diameters, ejection ports, feed opening and fire control slots, etc. The drawings of these similarities were presented to process in this manner.

This the bolt action shotgun concept was logical and simple for we needed 3 sizes of receivers for the various M788 cartridges and these sizes were ideal for the shotgun if we were to cover all the gauges from 410-12 ga.

I believe, because of this process design effort, that production machinery as now used for the M788-M540 receivers will accommodate the requirements for the shotgun.

The rear locking system was more than adequate in strength and proper for feeding shot shells. The design did not include a tubular feed system which was adverse to