

280 Remington

Bridgeport Research and Development reported encouraging results in all three bullet weights, based on the use of a four-groove barrel. They currently expect to have ammunition available in the first bullet weight for use at Ilion on January 1, 1957.

Ilion will have some development work to do to make a four-groove barrel, but they believe that this can be accomplished. They still believe that 2,000 guns can be produced to the warehouse five to six months after receipt of final chamber dimensions and test ammunition.

The attached economics from N. F. Larsen show a net increase in sales in the third year of \$301,800, and an increase in net earnings of \$42,340, giving a return on total investment after completion of 44.1 per cent. On this basis, a project will be circulated for approval. 83

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Three guns were fired 1,000 rounds with a malfunction rate of 1.67 per cent, and seven others were fired 320 rounds with 0.98 per cent malfunctions. The higher rate on the guns fired 1,000 rounds resulted primarily from failures of the magazine boxes on extended firing. There was also some upsetting of the rails after extended firing. Three 5-shot groups were shot in each of seven guns. Average group size was 2.68 inches (spec. 2 inches ES, 100 yards). Three of the guns were over the 2-inch specification. All guns were within specification for center of impact.

These results are considered satisfactory, and the Plant will proceed to assemble guns in accordance with the following warehouse schedule, which is the same as that previously submitted:

November	500
December	1,500.

Stock Design

Sales approves common-purpose stock as submitted by Research and Development on the Model 740, Serial No. 50104. Ilion has been requested to prepare manufacturing cost and start-up cost data.