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exceeded, testing is increased to assure satisfactory quality production to the warehouse. Experience has shown that the performance of the Model 742 improves as the rifle wears in during shooting. Whenever the quality of rifles being presented to the gallery exceeds the acceptable range, the manufacturing operations are given special audits to bring the quality back in line.

To assist in making a decision regarding the Teflon plating, the following are the advantages and disadvantages:

Advantages

1. Tests indicate the rifle as produced to warehouse with Teflon plated parts is slightly better than a "broke-in" gun. Few shooters ever shoot the approximately 500 "break-in" rounds.
2. The Bolt opening averaged 2.4 pounds less. This is 9% lower than regular production.
3. There probably is an advertising potential.
4. Tests to date indicate the rifle will not require internal lubrication which will improve field performance at sub-zero temperatures.

Disadvantages

1. While the functioning of rifles presented to the gallery should improve, the plant may lose the danger indicators which are now evident when gallery rejects exceed the normal. Probably this could be controlled by setting lower danger points at which concentrated production reviews are made.
2. Plant investment is increased without a direct saving in product cost which will result in a minor reduction of plant return on capital investment. Teflon plating only results in a reduction in direct expense.

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VGD:I
Attach.