

## MANUFACTURING METHOD

- I. General - All shotguns and rifles produced by Remington are conceived by the Research and Development Section. Specific Design is established after market surveys, salesmen's recommendations, manufacturing costs and other factors are carefully considered and indicate that the proposed model and design will fill a specific need and can be manufactured at a profit.

Prototypes are made, tested and proved and blueprints are prepared for each component required. Each drawing includes dimensional specifications, the material to be used and the chemical and physical characteristics required in the finished part.

After approval for production, the drawings are released to the Process Engineering Group and are translated into a manufacturing process. The process engineers, working with the tool and cutter designers and other groups, prepare a process record which spells out the step by step sequence of manufacture from material procurement to completed and packaged product. The details specify the machines to be used; the machine equipment and accessories needed, the measuring equipment and details for inspecting the work produced and any unique operating techniques which may be required. The process record is the guide for production personnel and also serves as the line of communication for changes in the product design.

- II. Raw Materials - The list of materials required, either directly or indirectly, ranges from the commonplace - paper, electricity, oil - to the exotic - ivory, gold and diamonds. All materials are purchased to specifications established by Remington for the particular end-use intended. The most readily identified materials incorporated in the finished product include steel (barrels and receivers); brass (tubular magazines); walnut (stocks and fore ends); structural nylon (stocks and high-impact shock absorbers); ivory (sights); silver and gold (special inlays).

Steel of several different grades, in a multitude of shapes, sizes and lengths may be used. Grade specifications are carefully selected for each individual item in accordance with the physical and appearance requirements in the finished product. Special ordnance grade steels which are extremely tough and durable, for example, are used for gun barrels and receivers.

ATTACHMENT "C"