MODEL 700 LONG STOCK PRESS FORMING (RXI-48)

Model 870, 1100, 742 and 760 short Stocks plus Model 870 Fore-ends are being manufactured by a Remington proprietary press forming process which eliminates almost all manual sanding, filling, wiping, and brushing operations. Design is in progress to extend this process to Model 700 ADL and BDL long Stocks at an estimated gross savings of $120,000 per year. Capital expenditures will be $288,000 with a ROI of 25%. A new Zuckerman copy lathe has been received and trial and pilot operation of long Stock presses is scheduled to begin in the first quarter of 1976.

SHOTGUN BARREL MANUFACTURING PROCESSES (RXI-62)

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Shotgun Barrels are currently hot formed on GFM forging machines from either drilled blanks or Verson blanks. The ID of these Barrels must then be reamed and the OD turned. The goals to be sought in a new Barrel process are (1) develop a suitable alternate to the GFM process and (2) effect lower operating cost by eliminating reaming and OD turning.

Initial development efforts were directed at proving the suitability of welded steel tubing for shotgun Barrels. With this accomplished, estimated gross savings of $285,000 per year can possibly be achieved through two means: (1) warm (800-900°F) drawing welded tubing to yield a finished ID and 70% reduction (heavy duty TMD process) or (2) GFM processing warm welded tubing to yield a finished ID and 70% reduction.

The feasibility of item #2 will be known during the second quarter of 1975 and could be adopted as a new process by year end. Sample Barrels from TMD (30% reduction with finished ID) are now being processed and their suitability should be known during the second quarter of 1975. The cost of purchasing 30% reduced TMD Barrels on an interim basis would be equivalent to current Barrel production costs. If the TMD 30% reduced process proves feasible, the equipment required to accomplish the 70% reduction could be designed and built by late 1976. Efforts will be directed at perfecting a finished OD upon completion of work on a finished ID.