

RIM FIRE RIFLESCOST REDUCTION STUDY - SINGLE SHOT BOLT ACTION RIFLE

The Research & Development Department reports that the cost reduction study relative to our single shot bolt action rifles has been completed and will be reviewed during the week of January 21.

Since revision of our current bolt action designs for low cost manufacture is questionable, Research & Development has considered a resurrection of the rolling block design as a means to a low cost rim fire rifle. A basis for rolling block design was found in drawings dated 1927 which show a simplified construction adaptable to new manufacturing techniques. It appears feasible to die cast the rolling block frame from zinc alloy and it may be possible to manufacture the exposed hammer and other parts by powder metal techniques. Stock and fore-end appears adaptable to low cost nylon molds.

Design sketches of the proposed rolling block rifle are now being prepared in sufficient detail for preliminary processing and cost analysis.

Additional approaches to a low cost rim fire rifle are also under investigation but are not ready for reporting.

NYLON 11 and NYLON 12 BOLT ACTION RIFLESStock Breakage

The question of breakage of nylon stocks in these items was reviewed. Research & Development testing, and proposals for design improvements, are presented in a report from W.E. Leek to S.M. Alvis dated January 4, 1962. Copies of this report are attached to Management and Members' copies of these Minutes.

On the basis of Research & Development testing, the Committee is in favor of shipping Nylon 11 and Nylon 12 rifles having the unwelded trigger guard and moisturized stocks. The improved packing container will be used in all shipments.

It was reported that approximately 2,000 Nylon 11 and Nylon 12 stocks without reinforcements or unwelded trigger guards are in stock. After discussion, it was decided to hold these stocks out of production.