On the basis of an ADL volume forecast of 15-thousand guns, machine checkering of the ADL stock will represent a full factory cost of $3.60 per gun.

It was suggested that inverted pressed checkering be considered for ADL Grades of the Sportsman 68. The Sales Department will not accept this decoration as a substitute for genuine checkering on ADL Grades, although the decoration is desired on A Grade guns. The Sales Department considers that the Sportsman 68 must be a definite improvement over the Sportsman 58, presenting higher value to the purchaser.

After discussion of hand checkering as a possible alternative to machine checkering, it was generally agreed that a conventional form of stock checkering would be used on ADL Grades of this item. The Production Department states that every attempt will be made to compromise existing equipment for production of conventional checkering on the desired shape of ADL stock and fore-end.

Samples will be prepared by the Production Department within thirty days showing checkering which can be achieved with Plant equipment.

4. Magazine Cap

The magazine cap prototype has been designed for powder metal manufacture, or deep draw forming. Some slight compromise of existing shape may be necessary to accommodate this part to the alternative manufacturing process. The Sales Department accepts the proposed magazine cap at this meeting for both A and ADL Grades. It is understood that slight changes may be made without changing essential appearance.

5. Receiver and Barrel Extension Design

Research & Development reports that receiver cracking has been encountered in Sportsman 68 test guns, at various firing cycles between 1700 and 8000 rounds. While cracking originates in the rearward terminus of the operations handle slot in almost every case, number of rounds fired before cracking occurs varies widely from gun to gun.

A long barrel extension overlying the bolt has been used as a means of alleviating stress cracking. Limited testing indicated no significant improvement in incidence of receiver cracking when the long barrel extension was used, so the design was reverted to the standard barrel extension for manufacturing economy. The long barrel extension will probably be retested in modified form.