

R & D LONG RANGE PLANNING REVIEW - contd.

There is a probability with this concept that various types of Barrels within the basic gauge and for rifles, various caliber Barrels could be marketed for use with the basic Stock and Frame.

The possibility of using coated, Teflon plated or metal plated parts to reduce rusting, improve function and wear resistance is being evaluated.

For the autoloading shotgun, a universal gas system which reduces the critical fits of the gas control parts is envisioned.

It is indicated that the shotguns would accommodate the proposed short shot shell. An entirely new gun concept would be required to handle an expendable shell and therefore is not being considered 83 in this family gun program.

Exhibit 15 covers the proposed appearance features. Since the Stock and Fore End would partially cover the Frame, the wood in these areas would have to be supported by a reinforcement of metal or plastic. Envisioned are applications of press formed Butt Plates, Lucite encased decorative designs for Grip Caps and other novel features.

This exhibit also indicates that to provide a prototype shotgun and rifle would require a development expenditure of \$175,000 for a single model shotgun and the same for a center fire rifle. Prototypes should be completed in March 1971.

This program requires that the shotgun and center fire concepts be developed together to provide maximum interchangeability. This should reduce manufacturing costs. Based on this premise, Exhibit 16 is a proposed introduction date for this new family of guns. As presently envisioned, the present line of shotguns would be phased out over several years. Possibly the new guns would be introduced in the higher grades. Acceptance and costs would determine the future program. Under this plan, additional