

PRESENTATION #1NEW CENTER FIRE RIFLE
AUTOLOADING - PUMP - LEVER

Exhibit 1 covers the proposed new center fire rifle (autoloading - pump - lever). Several years ago, Remington Arms developed a series of rifles in autoloading, pump and lever categories called XC-6-7-8. These rifles were designed to accommodate cartridges up to and including the 30-06. The objective was to develop a mechanism so strong that no extraction problems during obturation would be apparent in the autoloading rifle. This is one of the major problems in most autoloaders and in the Model 742.

The basic design was successful; several models were made. The strength was satisfactory and it is believed that the system is superior to any yet developed in a commercial rifle. The problem with these proposed rifles was involved with the rotary type magazine which caused feeding difficulties. There are also problems of weight and styling which will have to be changed.

It was decided by Management to shelve the XC-6-7-8 program because there was no immediate need since Remington rifles were superior to competition. With the announcement of the Browning autoloading rifle, it appears that Remington must within the next two to three years have a new line of center fire rifles. R & D has set up a set of specifications (Exhibit 1). The proposed system for the rifles would be that developed for the XC-6-7-8 eliminating the rotary box magazine concept.

The objective is 6000 rounds for the major components. When the Model 742 was designed, the objectives were similar; however, it was necessary to reduce this to 1500 rounds.

The malfunction rate of the new rifles will be under 1% which appears acceptable to the customer. The malfunction rate of the Model 742 and the new Browning is approximately 3½%. The objectives are to have the accuracy and strength equal to the Model 700. A new Fire Control will be required.