

XS-1 (AUTOLOADER)

A first appearance model of this gun was shown to the Committee.

The XS-1 design is based on the Sportsman-58 receiver assembly with an improved tappet type double piston gas-operated system. Automatic compensation without adjustment provides accommodation for extreme range of ammunition, light loads to 3" magnum. This design makes possible a five-shot gas-operated autoloader as replacement for the Model 11-48 using the same receiver as in the Sportsman-58, thus permitting obsolescence of the Model 11-48 receiver line and reducing investment in equipment and machinery.

In appearance the XS-1 differs from the Sportsman-58 primarily in fore-end design which is more beaver tail in shape to enclose the double pistons. The tip of the fore-end is nylon. The present design incorporates a short rib sight in the form of a clip used to attach the fore-end. This clip attachment of the fore-end is possibly not the best approach. Sales reaction is desired.

The XS-1 will have less recoil than the Sportsman-58 but it is not believed that receiver cracking will be eliminated since this gun still retains the present single locking lug which results in the unbalanced stress condition.

A preliminary design of the XS-1 has been completed for all standard gauges from 410 to 12. The basic system accommodates all gauges and all shells. The Plant and Research & Development are making an evaluation of cost of the model based on the 12 gauge in an effort to have this information for the next meeting. The gun has received limited testing in all gauges.

XS-6

Research & Development verbally presented an outline of a new gun design concept designated as XS-6.

The XS-6 is essentially a new gas-operated system that could possibly encompass and replace all of our present gun models in shotguns and center fire rifles. It would incorporate a new "tube-in-tube" receiver that would lend itself to high volume and lower cost manufacture. Shotguns and center fire rifles could have common receivers, stocks, bolt assemblies, fire controls and box magazines. The system and design could thus apply to box and tube fed shotguns in pumps or autoloaders and to box fed center fire rifles in pumps, autoloaders and bolt actions.

The XS-6 would have double locking lugs to eliminate receiver cracking.