

SHOTGUNS - contd.MODEL 1100, 410 GAUGE 3" CHAMBER SHOTGUN

R & D reported that the design confirmation testing of the production Action Bar Assemblies was completed and the results are better than on the prototype gun. This improves gun function but does not eliminate "Extractor stems shell." This malfunction will be 1% with Federal ammunition, $\frac{1}{2}$ % with Winchester and less than $\frac{1}{2}$ % with Remington. Remington is the shortest shell and Federal is the longest.

SAAMI may put a maximum length on these shells within the next few months. R & D is to provide E. G. Larson with information on shell length so that it can be considered by SAAMI.

Production reported that the changes to the Carrier, a part of this design improvement, are in effect and that the change to the Action Bar Assembly will be made.

These changes can be made to guns in the field.

ADHESIVE-FASTENED VENT RIB AND PHOTO-ETCHED MATTING

R & D reported that testing of the adhesive-fastened Vent Rib is in progress. A 40,000 cycle pendulum impact test demonstrated that the adhesive-fastening was comparable to welded Ribs. Rapid fire shooting tests at elevated Barrel temperatures caused no Rib bond failure. There was loosening of the Rib at the breech end of the Barrel during proof firing. Further testing and process development is required.

Trial and pilot operations on the photo-etched matting are scheduled to start the week of September 25.

MODEL 1100X AUTOLOADING SHOTGUN

(Introduction 1978)

The Model 1100X autoloading shotgun is being developed concurrently with the Model 742X autoloading center fire rifle to achieve the economics of a family of guns.