

April 21, 1972

SHOTGUNS - contd.LAW ENFORCEMENT GUN STOCK - contd.Committee Action:

The Operations Committee accepted the economics for the proposed Model 870 Police Gun equipped at Ilion and shipped with the Law Enforcement Gun Stock.

CENTER FIRE RIFLESMODEL 742-X RIFLE - AUTOLOADING CENTER FIRE
(Introduction 1975)

R & D reported that design of the Model 742-X rifle is on schedule. Parts are being fabricated for the first shooting model and it will be completed in June. 83

Areas of greatest concern have been the trunnion, rifle weight, the spring lock gas system and disconnecting the Action Bars for the break-action. Impact testing of the trunnion caused failure. One proposed redesign appears to be very good and a model of this part will be impact tested. There was discussion on the effect the trunnion could have on accuracy of the rifle.

A model of the shotgun, to be in the family of guns, will be completed in September. There is a trunnion problem with this design because of having to feed 12 gauge shells through the area.

Weight of the rifle is now estimated to be 8½ pounds. It may be possible to reduce this to 8 pounds. Consideration is being given to aluminum frames for special lightweight rifles. This would involve electron beam welding for assembly. (Discussion of electron beam welding led to the question - could this replace existing brazing operations?)

Meeting the introduction schedule depends upon completion of a successful shooting model in June. Assuming no major changes, five models will be built. Testing of these rifles will start in the first quarter of 1973.