

MODELS 742X AND 1100X - contd.Discussion: contd.

It would be possible to store the rifle Barrel with scope attached in a special case. The Barrel could be put back on the gun and used without adjusting for point of impact.

On the interchangeable calibers for rifles, the change would be a package including the Barrel, Bolt and Magazine Box.

Weight is estimated at 7½ pounds on standard and 8 pounds on magnum calibers.

The balance of the shotgun should be as good as the Model 1100, and the rifle should be better than the Model 742.

The rifle Fore-end appeared bulky to some observers. This perhaps was due to the Barrel length being cut out - shortened - for the exhibit.

Locking of the action is to be in the Barrel Extension, which can be heavier than existing designs because it forms the top section of the Receiver.

The lockup of the rifle is similar to the Model 1400 Winchester shotgun. This design is considered appropriate to rifles but not to shotguns as explained earlier.

In shotshell design we are finding differences in peak pressures and differences in peak impulse. The impulse loads are increasing. This has implications regarding shotgun designs. With the proposed new action, unlocking will be later, which will improve function over present design and will not be so vulnerable to the effects of higher peak impulse loads.

On the shotgun, the firing rate is planned to be approximately 280 rounds per minute.

The meeting closed at 12:47 p.m. The next meeting is scheduled to be at Ilion on Tuesday, May 11 at 11:00 a.m.

JHS:I
Exhibits 1 - 9