

Sept 27, 1971

To J B Martin

From W F Beck

Subject New Bolt Action ^{Center Fire} Rifle.

Approximately two years ago we discussed the possibility of adding a bolt action ~~and~~ center fire rifle to the new family line of guns. We discussed several features which were attractive & similar to those in the new automatic rifle such as quick change ^{interchangeable} caliber, ~~with~~ retention of point of impact multiple lug rotary bolt using the same ball head mechanism of the Autoloader & the same box feed system. Since that time other ideas have features have come to mind & I am taking this opportunity to list them for possible future activity as follows;

1. Mogensen skeleton frame for the stock cover with suitable high grade wood. This feature would provide rigid ~~and~~ adequate bedding & prevent point of impact shifting normally found with long stocks. The frame as we know it - now ~~contemplated~~ for use in the 742X & 1100X would be a integral part of the Mogensen skeleton frame. The integral hand & barrel extension would attach

^{appropriate}
common means

2. Interchangeable Calibers & barrel assemblies with repeatable point of impact without adjustment. By using the same locking means as used in the 742X ~~gun~~ would be desirable. The back section of the barrel extension would be different than the 742X to allow for the bolt manual bolt action. The break action might present problems with the fore end - perhaps a vertical assembly is best.
3. Detachable box magazine for all rifles is the most desirable & sought after feeding device. In this design add using of the 742X box would be the plan.
4. Recoil reduction can be ^{achieved &} ~~added~~ by add Adiprene butt plate ~~used in~~ the 742X.
5. The total gun wt. unloaded should not exceed 7# for 30'06 or less caliber.
7 1/2# for 140g. Caliber.
6. The new gun ^{must} ~~will~~ have a similar appearance to a high grade bolt action rifle. It is possible that preformed shapes including Cheeking can be made in 2 halves then joined by adhesive surrounding the magazine skeleton center.
7. Notch type adjustable fire control rust proofed & sealed is necessary for adequate performance.
8. Rust proofing of the entire gun is mandatory. The utilization of rust proof materials, plating & solution is permissible ^{but expensive} ~~as is the case with the 742X~~.

9. A well designed gun should have facilities
to accommodate ~~iron~~ open, ~~recept~~ ~~3~~ sights
Providing any type of sights on the individual gun
is questionable, but ~~excellent~~ ~~sights~~ ~~of~~ ~~any~~ ~~category~~ ^{Categories}
should be available