

in millions of rounds fired. Therefore I believe the method could be introduced into a rimfire match rifle where the principle would nullify errors in the major problems associated with follow-through.

SUMMARY

Air rifle shooting has emphasized the need for follow-through in precision off hand shooting making one aware of the need for uniform resistance to recoil.

Olympic class air rifles have built-in designs to nullify any unnecessary movement of mass which would aggravate consistent resistance to recoil.

Remington's patented recoilless system provides a secure method of eliminating this effect in powder-actuated firearms.

It is recommended Remington consider incorporating this principle in future match rifle development.

Recoil reduction is uppermost in every shooter's mind and numerous ideas have been promoted to solve this disturbing element. Some ideas have been moderately successful such as the Cutts Compensator, a protruding device located ahead of the muzzle, where jetting gas following the bullet impinges upon flat metal surfaces pulling the gun forward. In use the result is an ear-splitting but reasonable recoil reduction of about 10% of the total recoil. However, the effect appears late during the recoil cycle and aids some shooters more than others depending upon how tightly they hold the gun to the shoulder. Many innovations to this principle less effective but possibly more attractive have been used such as providing drilled holes or cut slots in the barrel.

*Recoil
Reduction*