

for 2-3/4" shells. If it is considered that the Magnum gun is to be fired no more than 50 or 75 rounds a year by the average shooter, fatigue life would probably improve somewhat and the design is considered adequate for expected requirements. The Sales Department commented that some Magnum guns would probably be used in hunting clubs where they would receive much heavier yearly use.

The Plant states that it has accepted results of tests as showing the item to be satisfactory under reasonable use conditions. The primary question is whether experience will prove that the isolated cases of observed malfunctions indicate substantial further trouble with guns in the field.

The question of functioning of Magnum guns with the longer roll crimp shells was discussed. The Plant reviewed the development criteria for the Sportsman-58 Magnum as set forth in Arms Division Minute No. 7, 1958 dated October 7, 1958, wherein it is pointed out that design was based on available competitive ammunition with the assumption that new Remington 12 gauge Magnum shells "..... will duplicate ballistics of competitive products and that loaded length of Remington shells will be no longer than competitive shells." Space limitations in the carrier mechanism of the Sportsman-58 are such that feeding malfunctions may occur with our roll crimp shells which have an unfired length greater than the usual Magnum shell. Individual Sportsman-58's vary in their ability to feed the Magnum roll crimp shell, therefore gauging and functioning tests would be necessary to segregate production guns with high malfunction rates, with no complete assurance that all malfunctioning guns could be picked out of production. Functioning is at critical limits in all guns.

The Sales Department is concerned since a substantial proportion of our Magnum 12 gauge ammunition in the hands of dealers is of the longer loaded length shell type.

After considerable further discussion the Committee agreed as follows -

1. The Research & Development pilot test report is accepted with the realization that test results are based on use of flat top crimp Magnum shells of 2-13/16" fired length.
2. To insure best possible field results from the Sportsman-58 Magnum when used with our Magnum roll crimp shells, the Plant will test production guns with this load and reject or rework those that demonstrate feeding malfunctions.
3. A notice regarding magazine capacity and selection of Magnum shells will be packed with each Sportsman-58 Magnum gun.