

The Committee position on 5-Shot Model 58 stock is as follows:

COMMITTEE ACTION: In view of possible design problems and long lead time which might preclude availability of an "ADL" Grade Nylon stock for January 1, 1962 introduction, the Committee is in favor of completing wood stocks for both "A" and "ADL" Grades on the 5-Shot Model 58, while work continues on design of the "ADL" Nylon Grade stock. The Research & Development and Sales Departments will coordinate closely toward early resolution of acceptable stock conformation.

Recoil Reducing Butt Plate - The Research & Development Department exhibited a recoil pad type butt plate, proposed for use on both wood and nylon stocked shotguns. The butt plate is comprised of polyurethane foam with a specially selected co-efficient of restitution, encased by a recently developed Du Pont plastic coating. The butt plate reduces subjective recoil effect by 50%, and at the same time has a beneficial effect on gun functioning. If this butt plate were used on all Grades, design of the operating mechanism of this item could be revised to provide improved functioning through utilization of butt plate absorption and restitution phenomena, but the action would then require the butt plate.

The Sales Department is not ready to accept recoil pad-type absorbers as standard equipment on all shotguns of this model, particularly since many shooters today do not want recoil pads of any kind.

COMMITTEE ACTION: While the proposed recoil absorbing butt plate appears to be an accessory worthy of further development, the Committee considers that action design of the 5-Shot Model 58 should not be dependent on provision of any type of recoil absorber.

Possible future use of the proposed recoil absorbing butt plate is a matter for resolution by the Research and Development Department.

Mechanism Design - The Research & Development Department reports 50,000 round mechanism life as a design objective for this item. Redesign includes the following:

1. Longer Barrel Extension - the barrel extension has been extended to overlay the bolt and is thereby positioned to receive bolt forces which otherwise would impose cracking stresses in the receiver.
2. Nylon Buffered Slide and Bolt - Nylon inserts in slide and breech bolt reduce stress in these parts and cut down dynamic stress transfer to the receiver.