

RD-61-B

REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE



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Ilion, New York
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TO: W. E. BEEK *WB*

FROM: W. L. DAHL *WD*

Design

MODEL 600 RIB MODIFICATION PROPOSAL

The main reason for existence of the nylon rib on the Model 600 rifle barrel is an aesthetic one but it also serves the useful purpose that it raises the apparent barrel surface plane to approach the line of sight. Thus it should help the hunter to obtain rapid sight alignment in snap shooting. In order to be of maximum usefulness in this respect the rib surface should be free of unnecessary discontinuities. Thus, it is believed that there are practical as well as artistic reasons for eliminating the attaching screw heads that appear on the top of the M/600 rib at present.

The photograph of Figures 1 and 2 show a method by which the M/600 rib can be attached without showing any screw heads except those that secure the front and rear sights. Starting at the muzzle end the screw bosses numbers 1 and 2 and the rib recesses are in accordance with the original design. Bosses numbers 3, 4 and 5 have been reduced in height and the attaching screws permanently installed to simulate one piece, headed bosses that engage T-slots in the rib. This modification uses existing parts, but in a production model the headed bosses should be smaller in both diameter and height. Boss number 6 remains in accordance with the original design but the corresponding hole in the rib has been changed to a plain slot. The existing rear sight attachment method has been used in the prototype but in a production model it would be desirable to increase the spacing between the sight attachment screws by 3/16 inch to facilitate assembly. The rearmost rib attaching screw has been replaced by a countersink head screw that fits a corresponding dovetail slot in the underside of the rib. This latter construction appears to provide adequate security but in an extreme case a metal insert could be used in the rib at this point.

The rib is installed on the barrel by bowing it at the front to clear the front sight bosses, engaging the rear dovetail and screw and the three T-slots with their headed bosses, then sliding the rib rearward until the front sight bosses can snap into their recesses in the rib. Thus, the rib is floating about the rear sight, just as in the original design, but no attaching screws are visible.