

Remington.

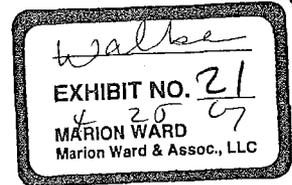
REMINGTON ARMS COMPANY, INC.

RESEARCH & DEVELOPMENT TECHNOLOGY CENTER

P.O. BOX 5016 / 315 W. RING ROAD

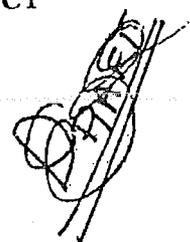
ELIZABETHTOWN, KENTUCKY 42702-5016

(502) 737-9456 FAX (502) 737-9576



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December 13, 1994



MINUTES OF PLANNING MEETING

SUBJECT: Design Requirements for Fire Control

ATTENDEES: THOMAS MILLNER  
ROBERT W. HASKIN  
E.S. RENSI  
TONY A. HANCOCK

Handwritten note: 'Do not for distribution' with an arrow pointing to the attendees list.

PR 0545

The purpose of this meeting was to establish the design requirements for a Model 700 centerfire rifle fire control. These requirements were divided into three categories with as many subcategories as necessary are listed as follows.

~~The fire control must improve Remington's posture in any related litigation.~~

~~insure that the triggering of the sear is engaged~~  
~~It must be impossible for the firearm to discharge on release of the safety.~~

- The side plates will be in skeleton form to facilitate cleaning and inspection. The design will minimize the possibility of trapped contaminants.

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- It will be impossible for the consumer to adjust or tamper with the fire control without leaving evidence of such work.

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- The trigger pull will be specified at 3.0 lbs. - 0, + "T" where "T" is the minimum manufacturing tolerance. In addition, the trigger pull will not be adjustable. [Bob Orf was assigned to determine the value of T.]

- Firm pin will not cock unless trigger & sear are engaged within specifications.

- Placement of safety lever in "Safe" position requires engagement of trigger & sear within spec.

SPORTING ARMS - AMMUNITION - TARGETS - APPAREL - ACCESSORIES - STREN FISHING LINES

... the design of ...

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2. The fire control must ~~provide satisfactory functional performance and~~ be completely interchangeable with the existing fire control.

- It must meet all SAAMI drop test requirements. <sup>is to provide</sup> [Ken Green was given the assignment to ~~map out~~ SAAMI specifications applicable for a hunting rifle.]

- The fire control must remain functional during and at the completion of all tests. Dry cycling the fire control will provide the testing methodology. The ultimate lifetime will be 50,000 cycles with safety multipliers. <sup>applicable to this class of prod</sup> [A consultant, Gary Fowler, was assigned to supply an appropriate safety multiplier from the literature. [Jim Snedeker was assigned to prepare a test plan using statistically significant sample sizes.]

~~Trigger pull (as listed in item 1)~~

- No bolt lock will be implemented.

- The trigger finger surface will be smooth as opposed to the grooved surface on the current trigger.

3. The fire control must be an economically feasible part of the centerline product line.

- It must <sup>result in cost reductions</sup> cost equal to or less than the existing fully tested assembly. The cost of today's fire control is \$9.41 as per Bob Longo.

- It should reduce the overall part count of the existing assembly, thereby, easing the difficulty of assembly in manufacturing.

Please look through these requirements. If you have additions or corrections, let me know. R&D and manufacturing are proceeding towards establishing the earliest possible introduction date for this design.

*Tony A. Hancock*  
TONY A. HANCOCK

- It must reduce part count of the subassembly.  
- It must provide for ease of manufacturing assembly

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