

## REMINGTON ARMS COMPANY, INC.

INTER-DEPARTMENTAL CORRESPONDENCE



CC: J P GLAS

BRIDGEPORT, CONNECTICUT

FEBRUARY 8, 1982

REMINGTON ARMS CO.  
RECEIVED

FEB 9 1982

TO: C. B. WOLKMAN

FROM: W. L. ERICSON

RE: PATENT REVIEW MEETING OF JANUARY 28, 1982

FIREARMS RESEARCH DIVISION

I. Model 1100

Plastic Gas Seals - Several promising designs under current consideration were reviewed. We will follow up by securing further details for the preparation of a patent application.

II. Models XSG-XPG

Firing Pin Block - RA-0232 - U. S. Pat. Appln. No. 121,436. The PTO Examiner has agreed to grant a Patent with claims to a 100% firing pin block in a reciprocating-bolt action.

Magazine Spring Retainer and Cap Detent - RA-0233  
U. S. Patent 4,310,982 issued on January 19, 1982.

Gas Regulating Systems. Progress with several alternative designs was reviewed with Jim Martin, Tom Powers and Jack Kast.

Locking System. Jack Kast's new alternative "rocker-locker" design with a vertically-sliding locking block was reviewed, and a preliminary patent search is planned.

Inertia-Operated Carrier Latch. Kevin Calkins is in an early stage of development work on this alternative carrier latch.

TO: C. B. WORKMAN  
RE: PATENT REVIEW MEETING OF JAN. 28, 1982

FEBRUARY 8, 1982  
PAGE -2-

Redesigned Bolt Handle. We reviewed the possibility of conflict with Ithaca's Patent 4,052,926 - Tollinger, which was discussed in my preliminary opinion of January 26th to Jack Kast and Dave Findlay. You advised that the bolt handle design is in a fluid state; accordingly, we will temporarily postpone further study of this Patent.

Safety Lever. A preliminary patent search revealed no infringement problems, and showed potential patentability in an optional hammer safety. This was discussed in my letter of January 4th to Tom Powers.

III. Models 700 and 7

Bolt Latch - RA-0247. Status of pending Patent Appln. 290,693 is unchanged.

Fire Control with Sear and Trigger Block - A preliminary patent search, reported to Fred Martin January 4th, disclosed no conflicting patents, and suggested that patent protection is potentially available. We will follow up with a view to filing a patent application.

Magazine Box and Latch - Fred Martin demonstrated a removable magazine box purchased from Gene D. Trexler, who owns U. S. Patent 4,237,638 on this design. Fred plans to work out a modified design, and we will pursue this to insure that there will be no conflict with the Trexler patent.

Model 7 Design Specification - Jim and Fred Martin reviewed this with us. Potential features of particular interest to the Patent Division include, in addition to those options listed above; a possible relocation of a safety switch onto the bolt plug; improvements in the trigger adjustment means for increased assurance of safety; new provisions for gas flow from pierced primers; and a new extractor design which may incorporate a claw similar to that of the Model 1911 Colt pistol, but would locate this within the bolt face so that the shroud would continue to be free of weakening extractor cuts.

TO: C. B. WORKMAN  
RE: PATENT REVIEW MEETING OF JAN. 28, 1982

FEBRUARY 8, 1982  
PAGE -3-

IV. Models 7400-7600

Firing Pin Block - RA-0209. The PTO Examiner has again rejected our claims, based on a hypothetical combination of features selected from the M-16 and Model 742 locking systems. Affidavits are being prepared to demonstrate that the Model 742, like the M-16, does not achieve a firing pin block equivalent to the Model 7400. An interview will be held with the Examiner in an effort to reach agreement on allowable claims.

Rivetless Extractor - RA-0228. Status of pending patent applications unchanged.

V. Industrial Guns - RA-0236, RA-0237, RA-0241. Status of pending patent applications unchanged.

*Bill Ericson*

WILLIAM L. ERICSON  
SENIOR PATENT COUNSEL

WLE/dt

40.01

*Does the M16 mark Primers -  
yes.*