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December 2, 1977

TO: E. F. BARRETT

FROM: C. B. WORKMAN *Wm*

LIMITED DISTRIBUTION

NOTES FOR MANAGEMENT STAFF MEETING

M/870 COMPETITION TRAP GUN

The analysis of test and measurement data indicates that the moment of inertia and point of impact are significantly different from the leading bird breaking models. The moment of inertia of the M/1100 and 3200 were also determined and it was found that the 3200 was almost equivalent to the M/870 Competition. The M/1100 had the largest moment of inertia of all guns tested.

The point of impact has been corrected* on the M/870 Competition and the 15 yard portion of the test is being reshot. The guns will then be turned over to Marketing for their analysis before the next design models are fabricated.

MODEL 700 TRIGGER HOUSING IMPROVEMENTS

Two design prototypes of a new safety system have been completed. Two more engineering prototypes are being designed and fabricated.

When the four different models are completed they will be made available to the Marketing Department. These prototypes will be used in Marketing focus panels to determine which is the most desirable.

MODEL 1100 IMPROVEMENTS

Dry cycle testing of the interlocked connector/disconnector system will be started approximately December 15.

Two feed latch retention methods as shown on the attached sketches will begin test in early December.

MODEL 1100A

Design and model fabrication are on schedule aiming for completion of one field and one trap gun in March 1978.

*The Point of Impact was found to be approximately 2½ inches left.

Remington Arms Company, Inc.
Ilion Research Division

To: E.F. Barrett
From: C.B. Workman
Notes for Management Staff Meeting

12-2-77

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MODEL 742-760 NEW GENERATION

The increased thickness magazine boxes are performing very well in development testing. Three boxes have completed a total of 1335 rounds with .52 malfunction rate. The 20 production test boxes are currently being tested.

The 25-06 Cal. M/742 NG is on schedule and is currently being assembled. Zytel magazine followers are being fabricated in the Model Shop and will be completed by December 9.

NYLON 66 IMPROVEMENTS

A search for improved material for the bolt lock is in progress.

Drawings for the nylon front sight have been transmitted.

The design for the special run of "Black Diamond" 66s for OTASCO is being analyzed for costs. A prototype model has been forwarded to Marketing.

CBW:T
Attach.