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TELEX

TO: E. F. BARRETT
FROM: C.B. WORKMAN

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NOTES FOR MANAGEMENT STAFF MEETING

MODEL 1100 IMPROVEMENTS

The improved feed latch retention design (spring loaded) is still in test. One latch has gone 50,000 dry cycles and 3,000 rounds of shooting. No problems yet. The latch has fallen out of the gun in 4 foot drop tests only.

Interlocked connector/disconnector systems for the 1100 and five other models are still being dry cycled. Eleven (11) disconnectors have failed so far at an average life of 61,660 cycles. Most breakages have been on the rear leg. Two went 100,000 cycles without breaking. Redesign of the disconnector has started.

A second lot of 50 latch retainer equipped fire controls is being assembled. The first lot performed well in Plant gallery testing and 40 were warehoused. Ten were rejected for unrelated malfunctions.

Preliminary drawings have been sent to P.E. & C. for cost estimates on the new 3" Waterfowl Gun.

MODEL 1100-A

A redesigned buffer has been received from the Model Shop. Performance of this part has been good but we need better longevity. The new buffer will be tested for rebound velocity and endurance this month.

A second stainless piston had to be replaced because of deformation and resultant "don't lock ups".

Inventions Report #IT-284 (Carter, Bauman, Soucy) has been sent to the Patent Department. It describes the A3 operating handle retention system.

A3 prototypes are still on schedule for an April assembly.

Remington Arms Company, Inc.
Ilion Research Division

2-10-78

M/742-760 NEW GENERATION

The 270 Win. in carbine barrel length was added to the parts list after successful testing.

A complete test program for Trial and Pilot guns (60 gun test) has been designed and written up.

Most of the Research activity on these models has been in assisting P.E. & C. on Trial and Pilot problems. All design changes and DCR's are up to date.

Accuracy tests on 25-06 742 NG will be conducted next week. Both standard and carbine barrel lengths will be shot.

.308 length magazine boxes made from .037 stock are expected from the vendor by the end of the month.

MODEL 3200 SKEET SET

Trial and Pilot work is progressing. A dimensional problem with GFM cams is being corrected.

No Research activity on this project.

NYLON 66 IMPROVEMENTS

Work has resumed on an improved bolt lock device. No progress to report yet.

M/6600 (Formerly N/66 New Generation)

The drawing for the injection molded Superfill stock has been finalized, checked and sent out for quotation.

A wooden mockup using a round barrel and radiused receiver has been delayed due to Model Shop Priorities. Work should resume this month.

Drawing work for the first shooting prototype is 40% complete. A preliminary design prototype will be assembled in September.

870 COMPETITION TRAP

One shotgun has over 24,000 rounds in endurance testing. Two other guns that were in test have had guide rings come loose through the braze area. Testing has been stopped until new parts, with increased braze area, are finished and assembled. Testing should resume by the first of March.

A new stock with higher comb and heel and a new fore end 2 inches longer have been made up and shown to Marketing for approval. Work is on schedule to design a trigger that is adjustable for pounds pull.

A redesigned method of fore end attachment is finished and ready for testing.

MODEL 700

Three design prototypes of a new bolt lock safety system have been completed. They will be put in rifles and delivered to Marketing for review.

Design of a new sear safety cam and trigger is in the Model Shop. They will have fixed engagement and overtravel. This will allow the present engagement and overtravel adjusting screws to be removed from the trigger housing. The schedule for this development is on time.

M/541 - 22 HORNET

Prints are in the Model Shop for parts that have had major design revisions. The rest of the prints will be in the shop next week. The single shot shooting model is expected by the middle of March. The present schedule is being met but is tight.

M/600 CARBINE

At Marketing's request, this model has been moved back two years on the Development Schedule. Work is continuing to revise schedule.

CBW:T