

REMINGTON ARMS COMPANY, INC.
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MARCH PROGRESS REPORT
RESEARCH & DEVELOPMENT
FIREARMS/AMMUNITION

REPORTS OF INDIVIDUAL ENGINEERS ARE ATTACHED. DISTRIBUTE TO YOUR ORGANIZATIONS AS YOU DEEM APPROPRIATE. WHILE DISTRIBUTING AND DISPOSING OF THIS REPORT, RECIPIENTS ARE REMINDED OF THE PROPRIETARY NATURE OF THE CONTENTS.

FIREARMS HIGHLIGHTS

THE *PEERLESS* O/U PRELIMINARY TRIAL AND PILOT TEST COMMENCED 3/22/93. A BURST TOP BARREL WAS CAUSED BY A FAULTY RIB WELD. SCREENING OF PREVIOUSLY PRODUCED PRODUCT IS UNDERWAY TO PRECLUDE RECURRENCE.

A *M/700 DETACHABLE MAGAZINE BOX* (DEM) DESIGN ACCEPTANCE TEST IS PLANNED FOR LATE APRIL. CRITICAL PATH ACTIVITIES FOR THE PROGRAM ARE BEING IDENTIFIED AND EXPEDITED.

NEW *CANTILEVER SCOPE MOUNTS* FOR 12GA AND 20GA PUMPS AND AUTOS HAVE BEEN DESIGNED AND DETAILED.

AMMO HIGHLIGHTS

12GA PREMIER COPPER SOLID PRODUCT IS IN PRODUCTION. A MOLDED NORYL DISC IS BEING USED IN PLACE OF HIGH DENSITY POLYETHYLENE TO IMPROVE ACCURACY.

DIFFICULTY IS BEING EXPERIENCED OBTAINING 1550ft/sec WHILE MAINTAINING ACCEPTABLE ACCURACY IN THE 3-INCH *12GA PREMIER COPPER SOLID*.

PROTOTYPICAL EXAMPLES OF *20GA PREMIER COPPER SOLID* ARE BEING TESTED WITH EXCELLENT RESULTS. SLUGS AND SABOTS ARE BEING PRODUCED ON THE R&D SCREW MACHINE. TWIST RATE HAS BEEN ESTABLISHED AT 1-IN-24".

C110 COPPER BOATTAIL BULLET DESIGNS UTILIZING THE EXTENDED RANGE PROFILE AND DRIVING BAND CONCEPT HAVE ELIMINATED THE HIGH PRESSURE/LOW VELOCITY PROBLEMS EXPERIENCED WITH THE PREVIOUS DESIGN. ACCURACY WAS LESS THAN 1" @ 100yds AND MUSH TESTED FAVORABLY COMPARED TO THE BARNES X BULLET. FUTURE WORK WILL NEED TO FOCUS ON MANUFACTURABILITY.