

CC: C. B. Buonassisi
T. File

June 3rd, 1946

TO: S. M. Alvis
FROM: R. H. Grace
SUBJECT: M/721 - 722 PILOT LINE TESTING

In order that we can initiate orders for metallic ammunition for the M/721 pilot line test, a tentative test program has been worked out in cooperation with C. B. Buonassisi. The test includes a total of 40 guns, 8 of each of the five calibers anticipated for M/721 and 722. We plan to shoot 100 rounds of each type of bullet contemplated for manufacture by Remington and competitors. In any one gun this would mean a minimum of 200 rounds total firing and a maximum of the order of 800 rounds. One gun in each of the basic calibers, that is, .300 Savage and .30-06, will be selected for an endurance test consisting of 3000 rounds live fire. Total shooting with Remington ammunition only - 16,400 rounds. We do not contemplate any dry firing with dummies but may perform 1,000 cycles dry fire without dummies on each of the two basic guns. Figuring the cost of ammunition at \$.06 per cartridge, we have a total cost of Remington ammunition only of \$984.00.

Your approval on the above test program, together with your recommendations as to whether the Plant or Technical should perform the test will be appreciated.

R. H. Grace
Engineering Section
Technical Department

RHG:MC