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July 1, 1946

TO: H. J. Hickman
FROM: R. H. Grace
SUBJECT: M/771 MACHINE GUN TEST

The report issued on February 15th, 1946 covering test results on .270 Winchester and .257 Remington Roberts model guns showed appreciable difficulty was encountered from feed failures with certain types of ammunition. This condition was later confirmed and commented upon by plant personnel who tested these same guns. As a result, the negatives and uncalculated parts which contribute to feeding difficulties, have been redesigned by Design Section. The designer, in performing this work, had to perform tests in order to determine progress. It has generally been agreed that when the designer felt that he had reached a satisfactory solution, the guns would be returned to the test group for formal retest.

It is our understanding that one M/771 .270 Winchester caliber will be ready for test on or before July 1st. A test for this gun is mapped out on the attached routing ticket. One gun only is included because it is recognized that the real proof of this redesign will be made in pilot run test and that there is a definite limit to the reliability of information gathered on a model gun.

The estimated cost for this test is \$200 for which a Work Order has been initiated. The test will start as soon as the gun is presented, but in the meanwhile, comments regarding the testing procedure will be appreciated.

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ENC:MC
By W. E. Leek