

January 20, 1948

TO: Mr. E. Walker

FROM: G. J. Sargent

SUBJECT: ~~REDACTED~~

REFERENCE: To determine the strength of belts in current production which have greater wear and present the loading issue.

REFERENCE: To subject the gun barrels with the following belts to qualitative inspection made of the type of belt under 1.1 and 2.1. In this case, provided the gun barrel is this type, the belts are to be tested to determine their strength to withstand the pressure of the gun barrel, or in case of a barrel, the pressure of the gun barrel.

REFERENCE: Belts No. 1 & 2 showed signs of wear. Belts No. 3 & 4 were of good quality, however, the shoulder belt which had had to be discontinued because of wear in the shoulder.

Belt No. 2 with three joints (the most of the lot) could only withstand the 2.1 gun load.

Belt No. 4 showed signs of wear in the shoulder. However, with a 200-gr. bullet which is the same as the one used in the test of the belt being tested, the belt was able to withstand the pressure of the gun barrel.

Belt No. 3 was subjected to a test of 200-gr. bullet which is the same as the one used in the test of the belt being tested. In this case, both ends of the belt were tested, separating the belt through the run of the barrel and through the shoulder joint.

Belt No. 4 was subjected to a test of 200-gr. bullet, with a 200-gr. bullet which is the same as the one used in the test of the belt being tested. However, after the test, the belt was found to be in good condition and the long portion of the belt was found to be in good condition.

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[illegible]

SECRET

WATER