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Investigation of WWII cartridge cases  
Battle Study 22

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Our reference  
WEM

Date 14<sup>th</sup> June 2012  
Concerning Battle Study 22

Dear Sir/Madam,

The box contained three cartridge cases. Two were fired and one unfired. The dimensions of the cases indicates that these are of caliber .30-06 Springfield.

Unfired cartridge case:

The headstamp of the unfired cartridge case reads 'R A 42'. The letters stand for *Remington Arms Co.* and the numbers indicates the production year 1942. Most likely due to corrosion the bullet broke out of the cartridge case. No other characteristics were observed.

Two fired cartridge cases:

The headstamp of the two fired cartridge cases reads 'S L 43'. The letters stand for *St. Louis Ordnance Plant* and the numbers indicates the production year 1943. The firing pin impressions contains no characteristic marks. The corrosion damaged the entire surface of the cases. No other marks related to firing these cases were found. Due to this lack of marks it cannot be determined if these cases were fired with the same firearm.

The type of weapon(s) used is also hard to determine. The cases show no deformation at the mouth, dents in the side of the case wall or ejector marks. These kind of marks are usually found on cases fired with semi- or full auto firearms. Due to the absence of these marks it is possible that these cases were fired in a bolt action rifle. However other types of firing arms cannot be excluded.

Kind regards,

/ Forensic Firearms Examiner

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