

liohovable J. Lee Rankin

filin, Mrs. Kennedy has returned to the seat beside the President of and Secret Service Agent fill is about midway from the back bumper to the President crawling across the trunk lid.

The piece of curbing containing the mark was removed on August 5, 1964, and examined in the FBI Laboratory. This curbing has been designated as Item C321 by the Laboratory. Small foreign metal smears were found alliering to the curbing section within the area of the mark. These metal smears were spectrographically determined to be essentially lead with a trace of antimony. No copper was found, but The lead could have originated from the lead core of a mutilated metal-jacketed bullet such as the type of bullet loaded into 6.5 millimeter limination. Carcano cartridges or from some other source having the same composition.

The absence of copper precludes the possibility that the mark on the curbing section was made by an unmutilated military-type full metal-jacketed bullet such as the bullet from Governor Comally's stretcher, Cl, or the builet or bullets represented by the jacket. In fragments, C2 and C5, found in the Precidential limeusine. Further, the damage to the curbing would have been much more extensive if a rifle bullet had struck the curbing without first laving struck some other object. Therefore, this mark could not have been made by the first impact of a high velocity rifle bullet.

It was also determined from a microscopic study that the lead object that struck the curbing cousing the mark was moving in a general direction away from the Texas School Book Depository Building. Assuming this mark was made by a fragment of a bullet of

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from the assassin's rifle, the evidence present is insufficient to establish whether it was caused by a fragment of a bullet striking the occupants of the Presidential limcusine, such as the bullet that struck the President's head, or whether it is a fragment of a shot that may have missed the Presidential limcusine.

This completes the request in your letter dated July 7, 1904. The piece of curbing is available in the FBI Laboratory. A photograph of the mark on the curbing before removal and a photograph of the curbing after removal are attached.

Sincerely yours.

D. Edga Hoove:

Enclosures (3)