

Honorable J. Lee Rankin

film, Mrs. Kennedy has returned to the seat beside the President and Secret Service Agent Hill 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 adhering 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. 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 Mannlicher-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 un mutilated military-type full metal-jacketed bullet such as the bullet from Governor Connally's stretcher, C1, or the bullet or bullets represented by the jacket fragments, C2 and C3, found in the Presidential limousine. Further, the damage to the curbing would have been much more extensive if a rifle bullet had struck the curbing without first having 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 causing 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

- 2 -

SHANEYFELT EXHIBIT NO. 27--Continued