

REPORT  
of the



FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D. C.

To: Honorable James J. Rowley  
Chief  
United States Secret Service  
Department of the Treasury  
Washington, D. C. 20220

December 5, 1963

BY LIAISON

Attention: Mr. Robert I. Bouck  
Special Agent in Charge  
Protective Research  
Section

Re: ASSASSINATION OF PRESIDENT  
JOHN F. KENNEDY

*12/6/63 delivered*  
*John Edgar Hoover*  
John Edgar Hoover, Director

YOUR NO. 62-109060  
FBI FILE NO. PC-78282 EX HB  
LAB. NO.

Examination requested by: Addressee  
Reference: Letter 11/23/63  
Examination requested: Firearms - Spectrographic

Specimens: Evidence personally delivered by Special Agent Orrin Bartlett  
on 11/23/63

DEC 10 10 50 AM '63

- Q19 Pair of black moccasin shoes
- Q20 Pair of black socks
- Q21 - Q22 Trousers and coat
- Q23 Belt
- Q24 Necktie
- Q25 Shirt
- Q26 Handkerchief
- Q27 Comb
- Q28 Bandages and belt
- Q29 White shorts

MAILED 20  
DEC 6 - 1963

REC-12  
FBI  
DEC 5 5 28 PM '63

62-109060-7781

5 DEC 13 1963

Results of examination:

Examination of the President's clothing revealed the presence of a small hole in the back of the coat and shirt. The hole in the back of the coat is positioned approximately 5 3/8" below the top of the collar and 1 3/4" to the right of the middle seam. The hole in the shirt back

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- 2 - FBI, Dallas
- 1 - Mr. Belmont
- 1 - Mr. Rosen
- 1 - Mr. Sullivan (Attention: Mr. Bartlett)
- 1 - Mr. Handley

RAF:sh  
(10)

DEC 16 1963

is located in the same relative area, being 5 3/4" below the top of the collar and 1 1/8" to the right of the middle. These holes are typical of bullet entrance holes.

The evidence bullets submitted in this case are clad with copper metal. Spectrographic examination of the fabric surrounding the holes in the back of the coat and shirt revealed minute traces of copper.

A ragged slitlike hole approximately 1/2" in length is located in the front of the shirt 7/8" below the collar button. This hole is through both the button and buttonhole portions of the shirt due to the overlap. This hole has the characteristics of an exit hole for a projectile. No bullet metal was found in the fabric surrounding the hole in the front of the shirt.

A small elongated nick was located in the left side of the knot of the tie, Q24, which may have been caused by the projectile after it had passed through the front of the shirt.

X-ray and other examinations of the clothing revealed no additional evidence of value.

Specimens Q19 through Q29 are being retained in the FBI Laboratory.

LAB report 12/1/63

RECORDED  
11/28/63 EO

FEDERAL BUREAU OF INVESTIGATION  
UNITED STATES DEPARTMENT OF JUSTICE

Laboratory Work Sheet

Re: ASSASSINATION OF PRESIDENT  
JOHN F. KENNEDY

File #  
Lab. # 78052  
PC-78942 BX HB

Examination requested by: U. S. SECRET SERVICE

Examination requested: Firearms (G & A) -  
Spectro

Date received: 11/23

Result of Examination:

Examination by: FRAZIER

Spectro of fabric around hole in back of HEIBERGER  
Q-25 shirt and Q-22 coat reveals traces of copper.  
X-ray of Q-22, Q-24 and Q-25 - nothing sig.

Spectro of fabric around hole in Q-24 tie  
and blue button at neck of shirt (found) no  
traces of copper or lead. Nothing sig.

Specimens submitted for examination

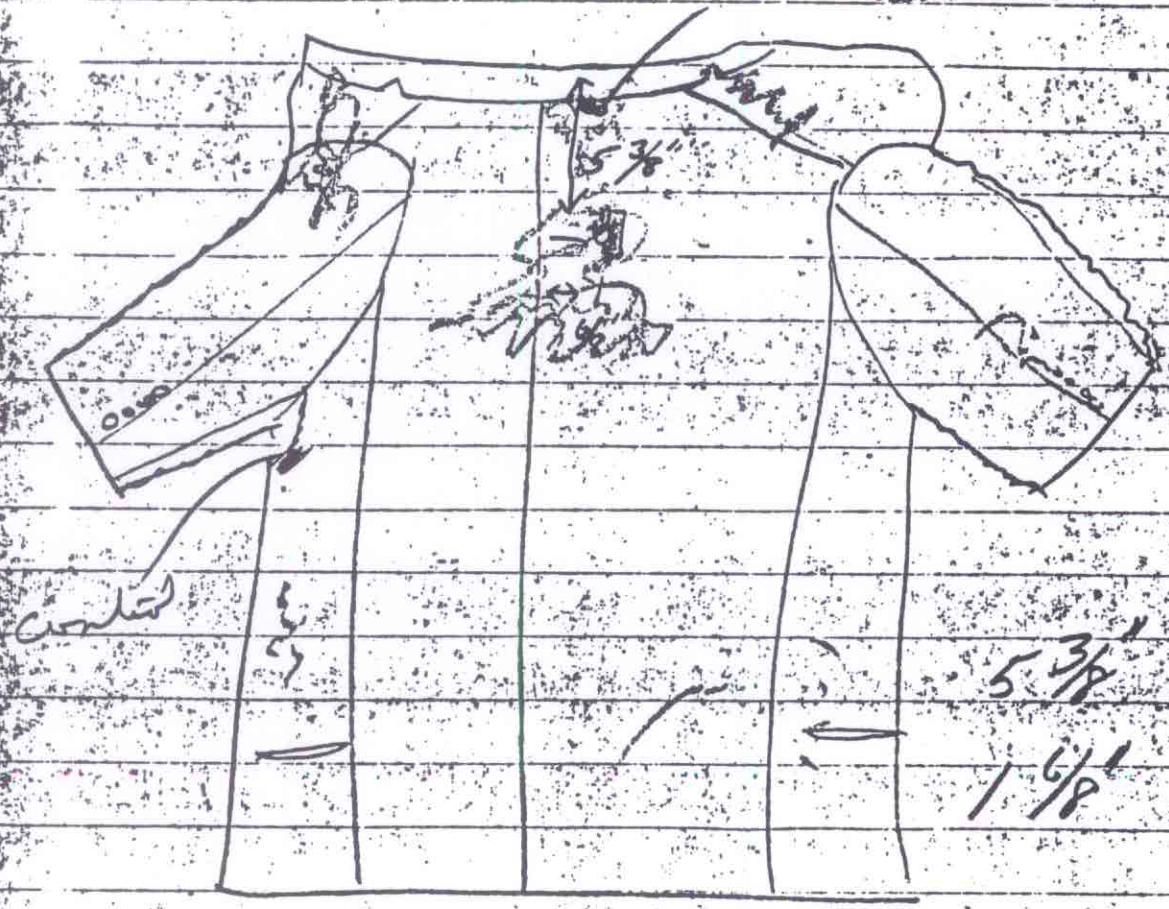
Received 11/23/63 from SA Orin Bartlett

- Q19 Pair of black moccasin shoes
- Q20 Pair of black socks
- Q21 - Q22 Trousers and coat
- Q23 Belt
- Q24 Necktie
- Q25 Shirt
- Q26 Handkerchief
- Q27 Comb
- Q28 Bandages and belt
- Q29 White shorts

11/25/63

Q-22 low.

control number under collar



Leaving in blood & when on white cloth.

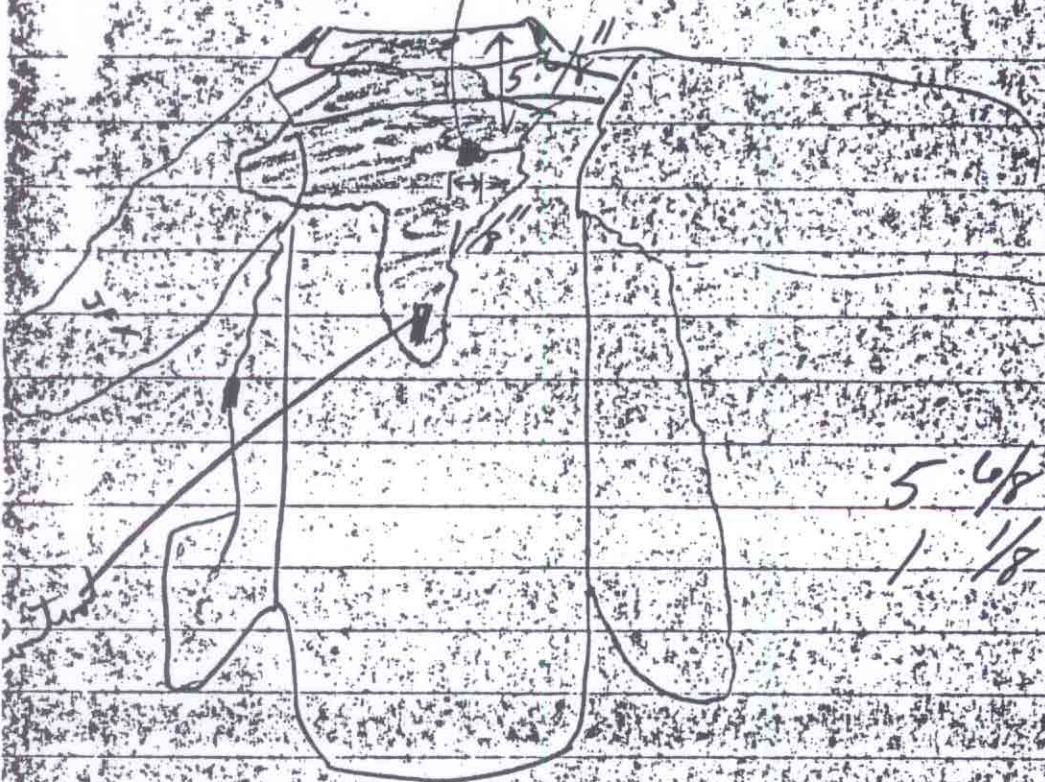
control of blood



11/26/53

Q-25 shirt

1/2 down and 1/2



5 6/8"  
1 1/8"

Charles Dillon  
 Shirts  
 444 Park Ave N.Y.

underneath

JFK Coat & shoes 11/25/63

Q22 Coat Outside Back

SA #1 & 3 JA 4X10 2mm low

	cu	Pl	St	Pr
Coat			0	
Coat before	t	0	0	0
Coat & blood	t	0	0	
Coat around 1/2 hole	±	0	0	stump
Coat before	t	0	0	
Coat around 1/2 hole	-	0	0	✓

Q22 coat inside - lining & Q23

SA #1 & 3 JA 4X10 2mm low

	cu	Pl	St	Pr
Coat inner cloth	t	0	0	0
Coat inner cloth around 1/2 hole	±	0	0	
Coat inner cloth & blood	t	0	0	
Coat cloth	t	0	0	
Coat cloth around 1/2 hole	±	0	0	✓
Coat cloth and blood	t	0	0	✓

very good

11/28

Q-25 skull found



hole in both sides

Q-244 necktie



hole in neck of tie

X-ray of both of them - tumor - no matter

4X1 LA # 3 JA 2 number

	lev	M	B
both of them	to	0	
both around both sides	✓	✓	
both 1 hand	✓	✓	
both around both sides	✓	✓	
both of them, have contact	✓	✓	
both of them around both	✓	✓	
nothing happened			

Teletype was sent to Dallas 11/2/6

PC-78282

11/4

Dict.

The fabric surrounding the hole in the back of the Q-22 coat and the fabric surrounding the hole in the back of the Q-25 shirt were spectrographically examined. Foreign traces of copper were found. This copper could have been deposited by a copper coated bullet penetrating the cloth of these garments. It is to be noted that the bullets involved in this case are copper coated.

The fabric surrounding the hole in the knot of the Q-24 necktie and the fabric surrounding the hole on the front of the Q-25 shirt were also spectrographically examined. No significant deposits of metal were found in these pieces of fabric.