



FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

To: FBI, Memphis

Date: July 1, 1968

Re: MURKIN
CR
OO: Memphis


John Edgar Hoover, Director

FBI File No.
Lab. No.

Examination requested by: Legat, London
Reference: Airtel 6/24/68
Examination requested: Document - Fingerprint -
Firearms - Laundry Marks - Miscellaneous
Remarks:

This report confirms and supplements Bureau airtel to Memphis dated 6/26/68 with copies to Legat, Ottawa and Legat, London. Q377 through Q384 were returned to Legat, London with copies of this airtel. K486 was forwarded to Legat, Ottawa with copies of this airtel.



FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

To: FBI, Atlanta

Date: May 22, 1968

Re: MURKIN

FBI File No.

Lab. No.

Specimens received 5/17/68

K275 Test bullet and cartridge case from a .380 Auto Remington automatic pistol, Serial Number PA 18949

Results of examination:

The bullet which was previously submitted by the Atlanta Office as having been removed from the body of a metal jacketed bullet. consisted of a portion of the lead core. No barrel markings of the type necessary for identification of the weapon from which this bullet was fired are present on this bullet. Therefore, no comparison between this bullet and the test bullet in K275 is possible.

There are no specimens in the National Unidentified Ammunition File which could have been fired from the same weapon as the test bullet and cartridge case, K275.

No previous record of the weapon represented by K275 was located in the National Stolen Property Index or the National Crime Information Center.

Specimen K275 is being returned to Atlanta herewith.



FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

To: **FBI, Atlanta**

Date: **May 22, 1968**

To:

Date:

MURKIN

Re:

J. Edgar Hoover
John Edgar Hoover, Director

FBI File No.
Lab. No.

Examination requested by:

Atlanta

Reference:

Letter 5/15/68

Examination requested:

Firearms

Remarks:



FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

To: FBI, Memphis
Re: MURKIN

Date: FBI File No. April 29, 1968
Lab. No.

Specimens received 4/5/68

For a complete listing of the evidence, refer to Laboratory report Memphis Office. previously submitted to the

Results of examination:

The lead cores of the bullets in the five cartridges, Q4 through Q8, were found to vary in composition even though they were all from the same manufacturer.

The core portion of the Q64 bullet fragment from the victim's body is similar in composition to the lead core of the bullet in the cartridge designated Q4 and could have come from a source such as represented by the lead core of the bullet in Q4.

The bullet jacket portion of specimen Q64 is similar in composition to the metal of the jackets of the bullets in the Q4 through Q8 cartridges and could have come from the source represented by these bullets.

KING CASE
 Bullet Leads

C 77

CE 75

Q64 = 1.56 mg 73 $S_i^{+} Sb^{-} Mg^{+} Pb^{+} Fe^{+} Bi Cu Ag Sn^{+}$

Q4 = 1.50 71 $S_i^{+} Sb^{-} Mg^{+} Pb^{+} Fe^{+} Bi Cu Ag$

Q5 = 1.47 69 $S_i^{+} Sb^{-} Mg^{+} Pb^{+} Fe^{+} Bi Cu Ag$

Fe 67

Q6 = 1.49 65 $S_i^{+} Sb^{-} Mg^{+} Pb^{+} Fe^{+} Bi Cu Ag$

Q7 = 1.54 63 $S_i^{+} Sb^{-} Mg^{+} Pb^{+} Fe^{+} Bi Cu Ag$

Q8 = 1.52 61 $S_i^{+} Sb^{-} Mg^{+} Pb^{+} Fe^{+} Bi Cu Ag Sn^{+}$

April 19 1968

A

KING CHISE
COPPER JACKETS

C 29

Fe 27

Q64 (1.87 mg) 25 B^{tr} Mg^{tr} Fe^{vst} Fe^{vs} Cu⁺ Ag⁺ Zn⁻

Q4 (1.80 mg) 23 B^{tr} Mg^{tr} Si^{vst} Fe^{vs} Cu⁺ Ag⁺ Zn⁻

Q5 (1.81 mg) 21 B^{tr} Mg^{tr} Si^{vst} Fe^{tr} Cu⁺ Ag⁺ Zn⁻

Fe 19

Q6 (1.79 mg) 17 B^{tr} Mg^{tr} Si^{vst} Fe^{tr} Cu⁺ Ag⁺ Zn⁻

Q7 (1.81 mg) 15 B^{tr} Mg^{tr} Si^{vst} Fe^{vst} Cu⁺ Ag⁺ Zn⁻

Q8 (1.80 mg) 15 B^{tr} Mg^{tr} Si^{vst} Fe^{tr} Cu⁺ Ag⁺ Zn⁻

April 19 1968

B

C 73

Fe 71

Q64 69 = 1.565 mg Sb⁻ As^{tr+} Mg⁺ Pb⁻ Si Fe⁺ Bi Sn⁺

Q4 67 = 1.545 mg Sb⁻ As^{vt+} Mg⁺ Pb⁺ Si Fe⁺ Bi -

Q64 65 = 1.670 mg Sb⁻ As^{vt+} Mg⁺ Pb⁻ Si Fe⁺ Bi -

April 22 - 1968

C

SAMPLE	w.t.	$\mu\text{g Sb}$	% Sb	
Q64A	9.867g	132	1.34	} 1.37%
Q64B	10.54	133	1.26	
Q64C	8.49	127	1.50	
				G = .12 Rel. G = 9%
Q4A	9.90	156	1.58	} 1.52%
Q4B	9.06	131	1.45	
Q4C	8.14	124	1.52	
				G = .07 Rel. G = 5%
Q5A	9.54	207	2.17	} 2.11%
Q5B	9.46	199	2.10	
Q5C	8.50	175	2.06	
				G = .06 Rel. G = 3%
Q6A	9.68	220	2.27	} 2.29%
Q6B	9.63	228	2.37	
Q6C	9.60	214	2.23	
				G = .07 Rel. G = 3%
Q7A	10.00	68	.68	} .71%
Q7B	8.42	62	.74	
Q7C	9.75	70	.72	
				G = .03 Rel. G = 4%
Q8A	9.60	110	1.15	} 1.06%
Q8B	9.30	95	1.02	
Q8C	9.18	92	1.00	
				G = .08 Rel. G = 8%

According to Remington - Peters, there are
no spec. self-hear core lead.



FEDERAL BUREAU OF INVESTIGATION
WASHINGTON, D. C. 20535

To: FBI, Memphis

Date: July 1, 1968

Re: MURKIN
CR

FBI File No.

Lab. No.

Specimens received 6/25/68

Q377 Scratch pad

Q378 - Q382 One clean and four soiled handkerchiefs

Q383 Wittnauer wrist watch

Q384 TWA message slip for YARUM CHANDRA DUTT

K486 Four test bullets and four cartridge cases from
"Liberty Chief, .38 Special revolver" serial #715

Result of examination:

Q377 was examined for watermarks and indented writing with negative results. The hand printed word "CERTIFICATE" appears on the cover of this pad. Although a number of hand printing similarities were noted in this word when compared with Ray's hand printing indicating it was possibly prepared by the subject, the limited nature of this hand printing precludes a definite identification of Ray as the author of this hand printing.

No visible or invisible laundry marks were found on specimens Q378 through Q382.

Specimen Q383 is a men's 17-jewel Wittnauer wrist watch encased in a Wittnauer watchcase. Both the watchcase and the movement are of Swiss origin. The wrist watch movement does not bear a serial number and there is no physical evidence that the movement has been repaired since there are no jewelers' "scratch marks" inscribed on the inside of the case. The watchcase bears two sets of numbers, one above the other, as follows:

8001
11K

The Wittnauer factory should be able to advise as to the significance, if any, of these markings. The possibility of tracing the retail sale of specimen Q383 appears remote. No foreign material was located on or in the watch which could assist in tracing the wrist watch.

The wrist watch has a stainless steel expansion-type band bearing the markings "ADMIRAL U.S.A." There is an Admiral Watch Band Company, Incorporated, 9 Debrosses Street, New York City, which manufactures watch bands.

The test bullets and cartridge cases from the .38 Special caliber "Liberty Chief" revolver, serial number 715 were compared with all similar specimens in the National Unidentified Ammunitions File without effecting an identification.

Two latent fingerprints of value were developed on Q384 but they were not identical with the fingerprints of JAMES EARL RAY, [REDACTED]. The questioned handwriting and hand printing on Q384 were not prepared by JAMES EARL RAY. K486 has been previously forwarded to Legat, Ottawa. Q377 through Q384 have been previously forwarded to Legat, London.