



FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D. C. 20535

- 1 - Mr. Rosen
- 1 - Mr. Trotter
- (Attn: Mr. Bonebrake)
- 1 - Mr. Long
- 1 - Mr. Conrad
- 1 - Mr. Frazier
- 1 - Mr. Griffith
- (Attn: Mr. Mortimer)
- 1 - Lab Files
- 1 - Office, 7133

To: FBI, Memphis (44-1987)

Date: April 11, 1968

Re: **MURKIN**

*J. Edgar Hoover*  
John Edgar Hoover, Director

FBI File No. 44-38861  
Lab. No. PC-A5505 BX 1Z

Examination requested by:

Memphis

Reference:

Airtel 4-6-68

Examination requested:

Firearms - Fingerprint - Microscopic

Remarks:

The enclosed report confirms and supplements the teletype to the Memphis Office dated April 7, 1968.

You will be separately advised concerning the results of the latent examination requested and as to the results of the examination of the printing on the laundry tags on the undershorts and T shirt.

Specimens Q69 through Q71 are being temporarily retained in the Laboratory.

MAILED 12  
APR 11 1968  
COMM-FBI

Enclosures (2) (2 Lab report)

REC-14

RAF:nib (12)

EX-116

44-38861-487

APR 12 1968

~~ENCLOSURE ATTACHED~~  
ENCLOSURE ATTACHED

ADMINISTRATIVE PAGE

MAIL ROOM  TELETYPE UNIT

- Tolson \_\_\_\_\_
- DeLoach \_\_\_\_\_
- Mohr \_\_\_\_\_
- Bishop \_\_\_\_\_
- Casper \_\_\_\_\_
- Callahan \_\_\_\_\_
- Conrad \_\_\_\_\_
- Felt \_\_\_\_\_
- Gale \_\_\_\_\_
- Rosen \_\_\_\_\_
- Sullivan \_\_\_\_\_
- Tavel \_\_\_\_\_
- Trotter \_\_\_\_\_
- Tele. Room \_\_\_\_\_
- Holmes \_\_\_\_\_
- Gandy \_\_\_\_\_

REPORT  
of the



FEDERAL BUREAU OF INVESTIGATION  
WASHINGTON, D. C. 20535

To: **FBI, Memphis**

Date: **April 11, 1968**

Re: **MURKIN**

FBI File No.

**44-38861-487**

Lab. No.

**PC-A5505 BX IZ**

Specimens received **77777** personally delivered on 4-8-68 by SA Robert Fitzpatrick, Memphis

- Q69 Undershorts**
- Q70 T shirt**
- Q71 Board from windowsill in bathroom**

**Results of examination:**

The undershorts and the T shirt each bears a laundry tag with what appears to be the characters "02B-6." Only a portion of the first character is present on each tag. The Laboratory does not maintain a file of visible laundry marks. No invisible laundry marks were found on the undershorts or T shirt.

The pair of undershorts is small in size while the T shirt is large.

The pair of undershorts does not have a brand label. The T shirt has a "JOCKEY" brand label.

The T shirt label is held flat with a folded piece of 3/4" wide cellophane tape. The piece of tape is about 1" long. One end has been cut, and the other end has been torn.

The crotch seams of the undershorts have been repaired in two places with brown thread. The repaired areas are hand stitched.

No hairs were found on the undershorts or T shirt.

The Q71 board bears a recent dent which could have been produced by a light blow from the muzzle of a weapon such as the Remington rifle, Serial Number 461476

Page 1

RAF:nlb (12)

(continued on next page)

MAIL ROOM  TELETYPE UNIT

- \_\_\_\_\_ Tolson
- \_\_\_\_\_ DeLoach
- \_\_\_\_\_ Mohr
- \_\_\_\_\_ Bishop
- \_\_\_\_\_ Casper
- \_\_\_\_\_ Callahan
- \_\_\_\_\_ Conrad
- \_\_\_\_\_ Felt
- \_\_\_\_\_ Gale
- \_\_\_\_\_ Rosen
- \_\_\_\_\_ Sullivan
- \_\_\_\_\_ Tavel
- \_\_\_\_\_ Trotter
- \_\_\_\_\_ Tele. Room
- \_\_\_\_\_ Holmes
- \_\_\_\_\_ Gandy

previously submitted in this case. The dent contains microscopic marks of the type which could be produced by the side of the barrel at the muzzle but insufficient marks for identification were left on the board due to the physical nature of the wood. The microscopic marks present are different from the type which would be produced by the duck-bill pliers or tack hammer which were in the blue zipper bag previously submitted. No other marks were found on the board.

No gunpowder or gunpowder residues were found on the Q71 board.

No wood, paint, aluminum or other foreign material was found on the rifle barrel nor were any significant marks found on the rifle barrel.

4/6/68

*Jellison*

*F. J. Brier*

PLAIN TEXT

AIRTEL

TO : DIRECTOR, FBI ATTN: FBI LABORATORY  
FROM : SAC, MEMPHIS (44-1987)  
SUBJECT: MURKIN  
CIVIL RIGHTS

Submitted herewith are additional items recovered in connection with the murder of Dr. MARTIN LUTHER KING, JR.:

- (1) One pair of men's shorts. (Waistband in unstretched condition, one side, measures approximately 11 3/4 inches, which would be waistband of approximately 23 1/2 inches. Fully extended waistband measures approximately 17 1/2 inches, one side or a total of 35 inches.
- (2) T-shirt, size 42-44, designated "Jockey Power Knit" T-shirt, large size. It appears on visual examination that lower portion of T-shirt has been cut.

Laboratory requested to examine T-shirt and shorts for any hidden laundry marks and any other examination that may help to determine original garments. In connection with the laundry tape that appears on both the shorts and T-shirt, the number O2B-6 appears. Since a portion of the left side of each of these tapes is missing, the possibility that the "O" might be the remnant of the letter "D" or some other combinations should not be overlooked.

Inquiry of the Albany Office discloses that the Textile Marking Machine Co., Syracuse, N.Y., has a representative, JOE COMBS, ~~██████████~~ Oxenhill, Maryland, Tel. ~~██████████~~ in residence in Oxenhill. COMBS reportedly has the ability to determine on inspection of laundry marking tape as to whether or not this is type tape produced by his company and type of machine producing same.

3 - Bureau (Enc. - )  
1 - Albany  
1 - Birmingham  
2 - Memphis  
RGJ:ME  
(7)

*Per. delivered 4/6/68 by SA Robt  
Fitzpatrick  
TT Memphis 4/7/68  
RAF*

*6 will handle*

ME# 44-1997

Request that Laboratory prior to conducting its examinations arrange for COMBS to view tape.

In addition, there is submitted herewith one board which is part of a window sill in window of bathroom at 422 1/2 South Main, from which it appears that fatal shot was fired.

Laboratory requested to examine board to ascertain any possibility of breech powder burns or any other identifiable markings that may be made by weapon in question. Possibility that recoil marks may appear on board. Texture of board was such that no latents of significance could be developed. Suggest however that the Bureau reexamine for possibility latents might be developed by FBI.

In addition, there is submitted herewith five cards appropriately identified of various latents lifted by representatives of the Memphis PD. These latents should be examined against any latents developed in examinations conducted by FBI.

*Note: SAC Jensen desires laundry tapes treated for latents only after Mr Combs has seen them.*

RECORDED  
4/8/68  
jfk

FEDERAL BUREAU OF INVESTIGATION  
UNITED STATES DEPARTMENT OF JUSTICE

*Latent*

Laboratory Work Sheet

Re:

MURKIN  
CIVIL RIGHTS

File # **44-38861**  
Lab. # **PC-A5505 BX IZ**

**EXPEDITE**  
**TELETYPE ANSWER**

Examination requested by: **FBI, Memphis (44-1987) Atl. 4/6/68**

Examination requested: **Firearms (G&A) - Micro.  
(Fibers)**

Date received: **4/6/68 perdel**

Result of Examination:

Examination by: **FRAZIER  
CLARK**

*Fingerprint  
cc Rosen  
Trattor (aka Bonebrake)  
Jony  
Cervid  
Cuffwith (aka Mortimer)*

*TT 4/7/68 (H.W.)*

Per. del. on 4/6/68, by SA Robert Fitzpatrick, Memphis Office

Specimens submitted for examination

Q69 Q70 ~~Pair of shorts~~ *undershorts*  
Q70 Q71 T shirt  
Q71 Q72 Board from windowsill in bathroom at ~~422~~ South Main

*Law  
4-11-68  
CAF*

Photo board in hallway

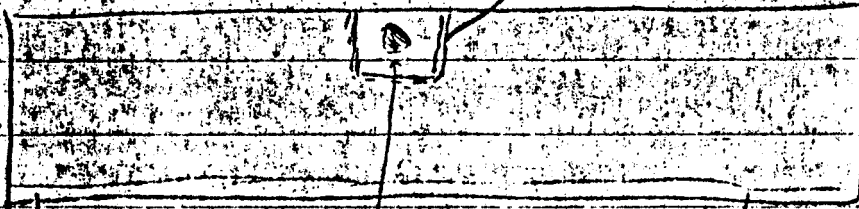
Exam  
4/8/68  
JCS/AM

Rec'd [redacted] from Robt Fitzpatrick 4/6/68

T-shirt  
shorts

Board from window sill

chalk mark



No gun powder  
particles found

Front, glossy

Blss. mk from side of

dirty, chipped white paint

Developer

gun muzzle

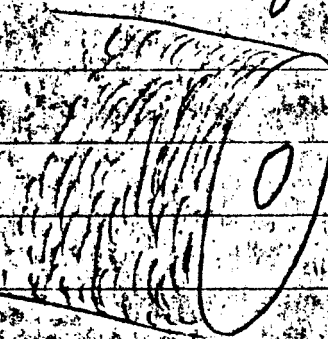
Prob. [redacted]

Two faint marks for ident

A [redacted]  
Dempsey 10AM 4/7/68

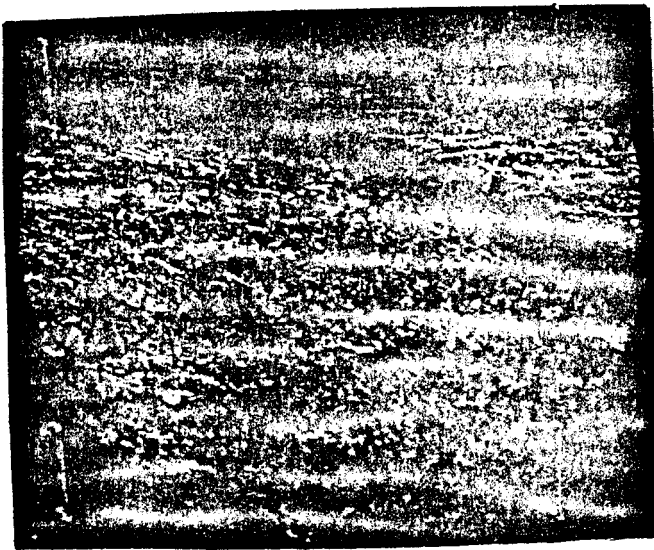
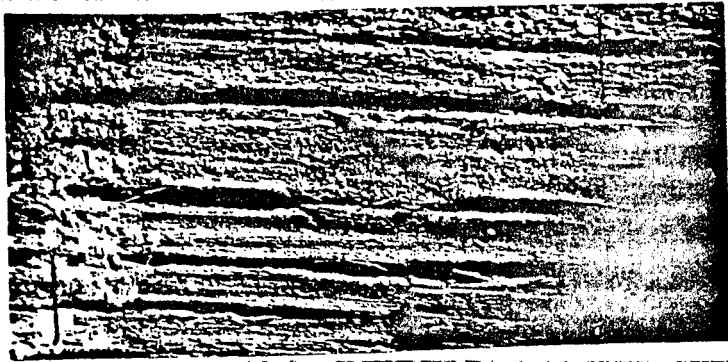
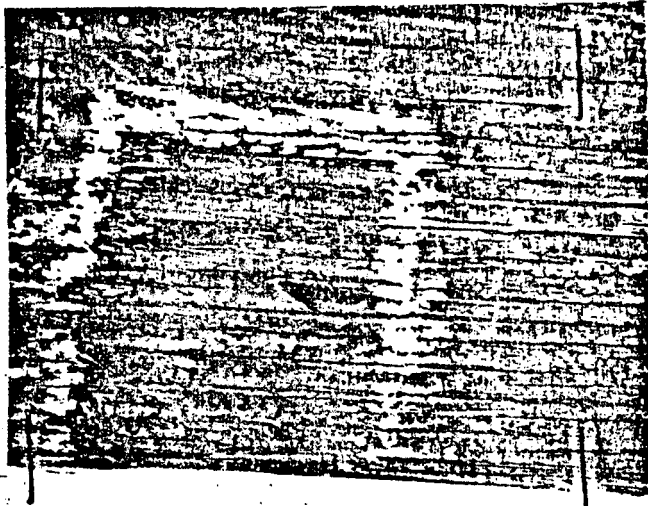
mark = type to machinery

marks on sub of Q2 of muzzle = sandpaper



Mks. not prod. by <sup>Q16</sup> tackhammer when by Dempsey (PC 5498 BX) - Micro Mks  
Photo of 11 mks on board 1:00 PM 4/7/68 / R. see attached diff

Board to be. Bombrike by [redacted] 4/7/68





~~Facts of interest~~

~~Negs. (Q7) etc~~

~~Targets~~

~~Cap of defendant~~

44-38861-487

AFFIDAVIT

DISTRICT OF COLUMBIA )

ss:

ROBERT A. FRAZIER, being duly sworn, deposes and says:

1. I am 49 years old and I reside in Hillcrest Heights, Maryland.

2. I obtained a Bachelor of Science Degree from the University of Idaho in 1940. I have been a Special Agent of the Federal Bureau of Investigation since December 1942. I am Chief of the Firearms Unit of the Physics and Chemistry Section of the Federal Bureau of Investigation Laboratory in Washington, D. C. I have been assigned to the Firearms Unit continuously since June 9, 1941. I received the specialized training program in firearms identification of approximately one-year duration from the Federal Bureau of Investigation when I was initially assigned to the Firearms Unit. Since being assigned to this unit I have made thousands of comparisons of bullets and cartridge cases with the firearms for the purpose of determining whether a particular firearm fired a bullet or cartridge case. I have testified on numerous occasions in federal and state courts, as well as in military courtmartial, as a firearms identification expert witness.

3. On April 5, 1968, at the Federal Bureau of Investigation Laboratory, I received certain items of evidence from Robert Fitzpatrick, Special Agent of the Federal Bureau of Investigation who had brought

new by airplane from Memphis, Tennessee. These objects had been obtained in connection with the investigation of the shooting of Martin Luther King, Jr. on the previous day.

4. Among the items of evidence I received was a .30-06 Springfield caliber Remington rifle, Model 760, serial number 461476, with clip, and a Redfield telescopic sight, serial number A17350. I also received from Special Agent Fitzpatrick a .30 caliber metal-jacketed "soft-point" sporting type Remington-Peters bullet, an expended .30-06 Springfield caliber Remington-Peters cartridge casing, and a Peters cartridge box, bearing manufacturer's index number 3033 containing five unfired .30-06 Springfield caliber Remington-Peters cartridges and four unfired .30-06 Springfield caliber U. S. military cartridges containing full metal-jacketed bullets.

5. I determined from microscopic examination that the expended .30 caliber metal-jacketed rifle bullet had been fired from a barrel rifled with six lands and grooves, right twist. As a result of my examination of the submitted rifle I determined that it produces general rifling impressions on fired bullets having the physical characteristics of those on the submitted bullet. I also determined that the submitted bullet was a 150-grain soft-point bullet identical to the bullets in the five Remington-Peters cartridges contained in the submitted Peters cartridge box.

6. Because of distortion due to mutilation and insufficient marks of value, I could draw no conclusion as to whether or not the submitted bullet was fired from the submitted rifle.

7. The .30-06 Springfield caliber Remington-Peters cartridge case was identified by me as having been fired in and extracted from the submitted rifle.

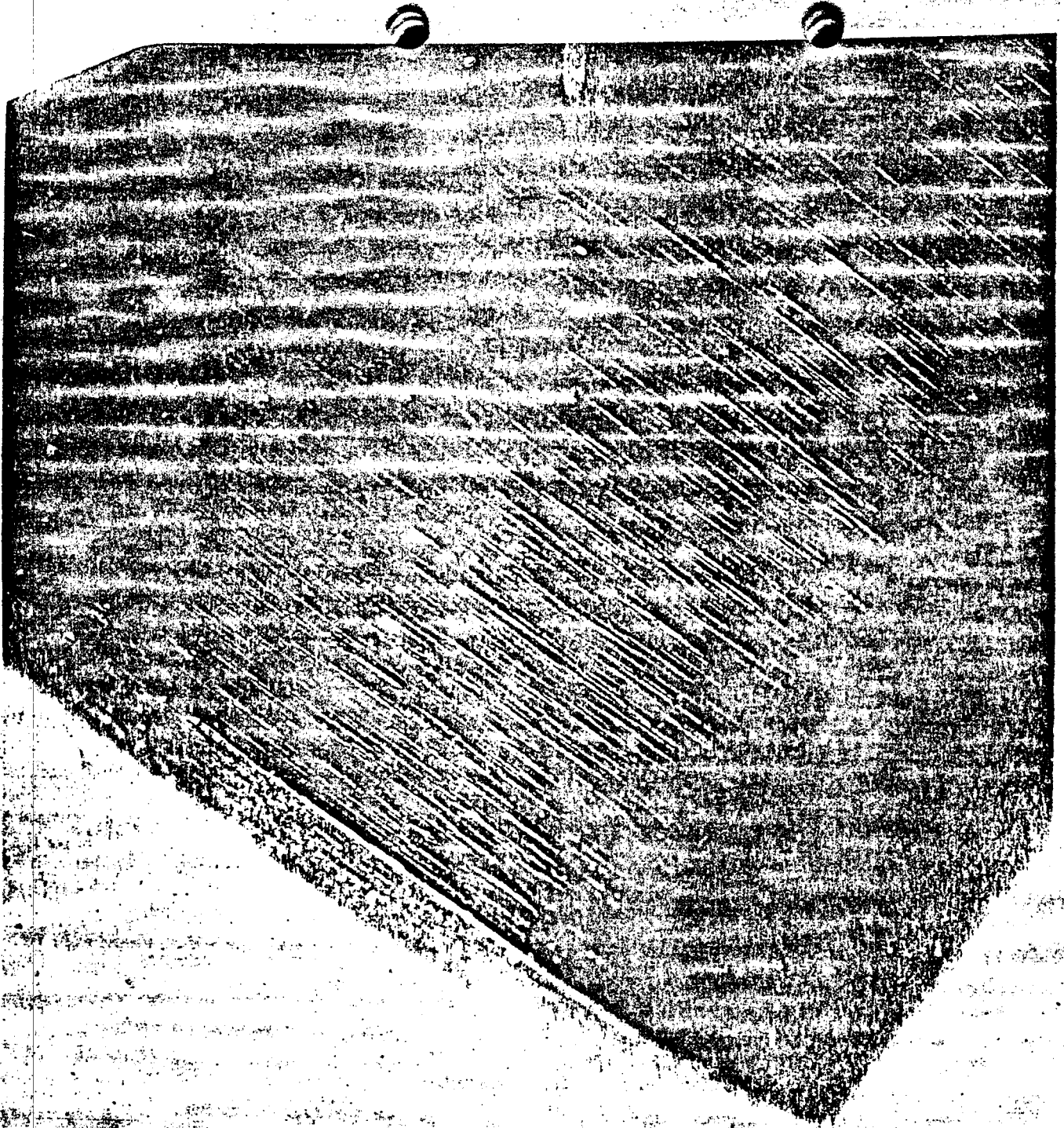
This determination was based on a comparison of the microscopic markings of the firing pin, bolt face and extractor left on the cartridge case by the rifle.

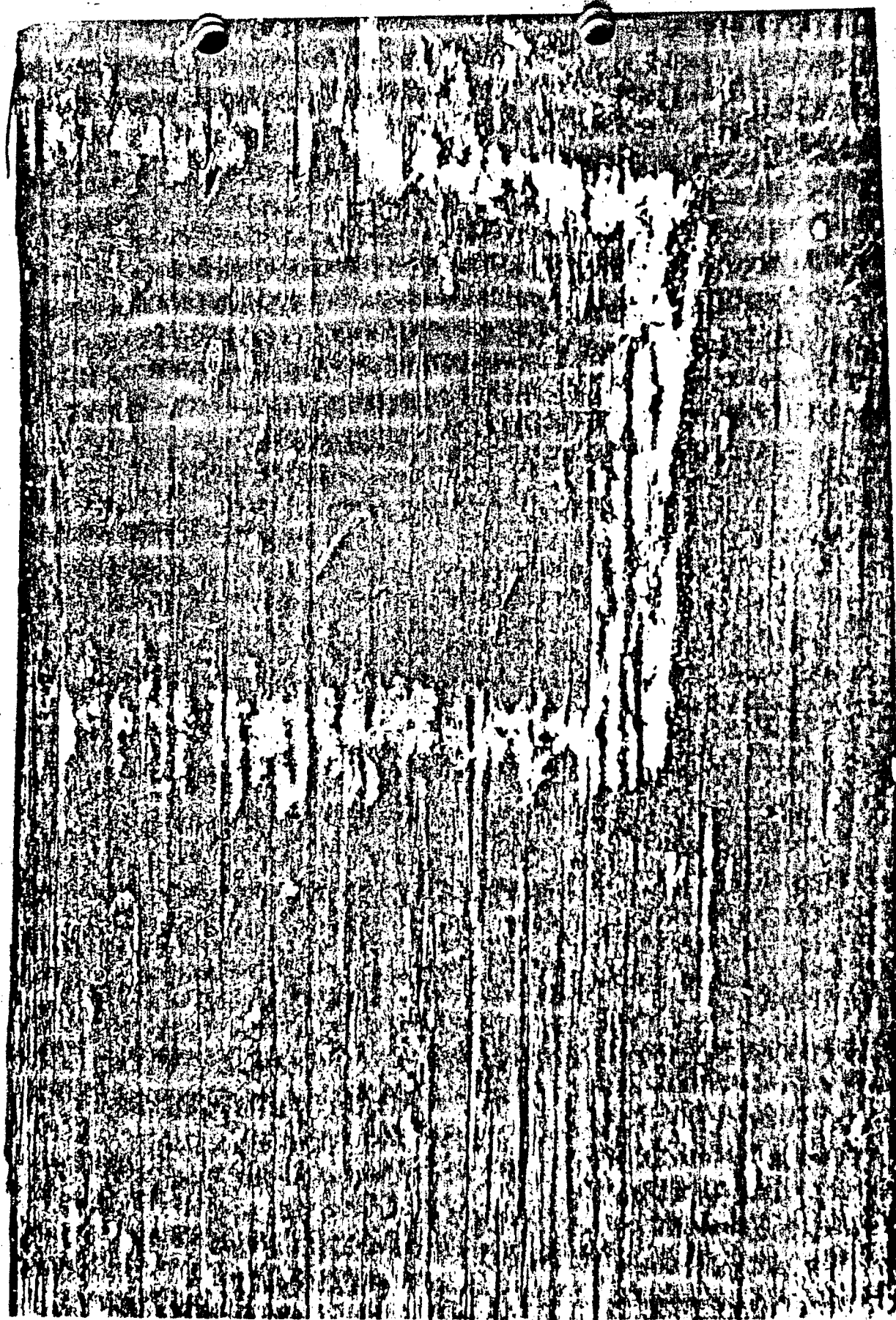
Based on physical characteristics, I determined that the fired bullet was of a kind that the manufacturer loads into the submitted cartridge case to produce cartridges similar to the Remington-Peters cartridges in the Peters cartridge box.

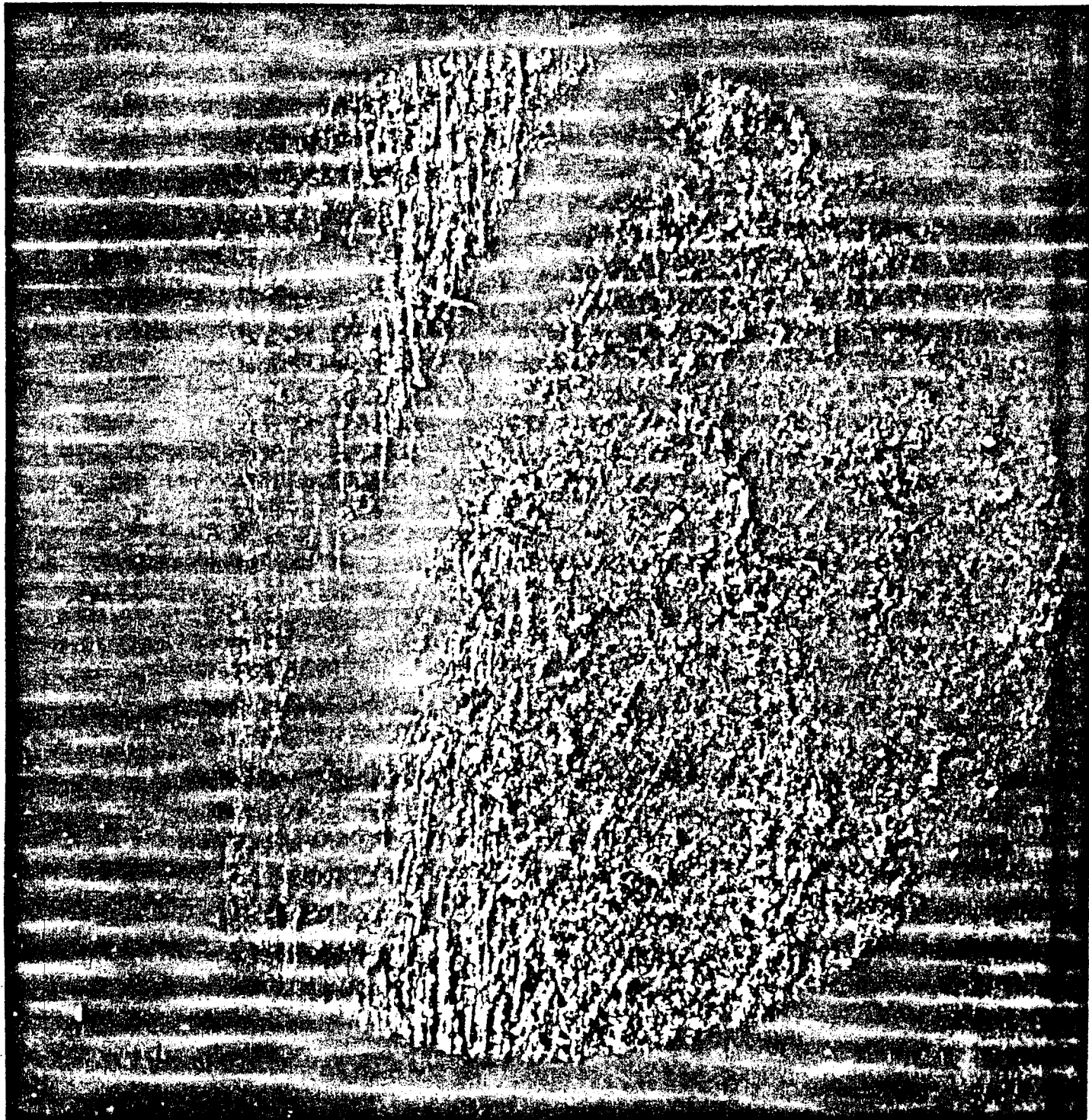
ROBERT A. FRAZIER

Sworn to before me this

\_\_\_ day of June, 1968.







in  
of  
ch  
rah  
osp  
rii  
onr  
ft  
ole  
see  
lli  
ve  
rett  
le.  
Am  
ed

