

COMMONWEALTH OF KENTUCKY  
BEFORE THE PUBLIC SERVICE COMMISSION

In the Matter of:

LOUISVILLE GAS AND ELECTRIC COMPANY )  
\_\_\_\_\_) CASE NO. 2009-00210  
ALLEGED FAILURE TO COMPLY )  
WITH KRS 278.042 )

O R D E R

Louisville Gas and Electric Company ("LG&E") is a corporation engaged in the generation and distribution of electricity for compensation for lights, heat, power, and other uses. It is subject to the jurisdiction of the Commission.<sup>1</sup> Pursuant to KRS 278.042, the Commission shall prescribe the service adequacy and safety standards for electric utilities, as stated in the Commission's administrative regulations and in the most recent edition of the National Electrical Safety Code ("NESC"). Under KRS 278.042, the Commission requires utilities to construct and maintain plants and facilities in accordance with engineering practices set forth in the NESC.

Commission Staff submitted to the Commission an Electric Utility Incident Report ("Report") dated April 29, 2009 and attached hereto as the Appendix. The Report alleges that, on February 1, 2009, in Louisville, Jefferson County, Kentucky, Mark McCoy was injured while attempting to install a fuse door into an energized cut-out without wearing protective gloves.

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<sup>1</sup> See KRS 278.010(3)(a).

LG&E had employed C.W. Wright Construction Company ("Wright Construction") as a contractor to assist in the cleanup and restoration efforts as a result of the damage caused by the ice storms occurring in late January of 2009. Mr. McCoy was employed by Wright Construction as a line technician first class. Mr. McCoy was part of the crew that worked on clearing damaged services on a 7,200-volt, single-phase circuit behind a residence located at 3309 Natchez Lane in Louisville.

At the time of the accident, Mr. McCoy was near the top of a utility pole removing damaged services and clearing any unsafe conditions. While working on the pole, Mr. McCoy attempted to close the fuse door of a cut-out by hand. Mr. McCoy was not wearing a protective glove at the time. Unbeknownst to Mr. McCoy, the single-phase, 7,200-volt line was still energized. As a result, Mr. McCoy sustained a shock and first- and second-degree flash burns to his right hand and forearm as well as to the right side of his neck and face.

The Report noted five possible violations of KRS 278.042. All alleged violations arise under the 2007 edition of the NESC. The alleged violations are as follows:

1. NESC Section 42, Rule 420.C.3, by the employee's failure while working in the vicinity of energized lines to consider all the effects of his actions and to take into account his own safety, the safety of other employees, the property of others, and the public in general.

2. NESC Section 42, Rule 420.D, by the employee's failure to consider electric supply equipment and lines to be energized, unless they are positively known to be de-energized. Before starting work, an employee shall perform preliminary

inspections or tests to determine existing conditions. Operating voltages of equipment and lines should be known before working on or in the vicinity of energized parts.

3. NESC Section 42, Rule 420.H, by the employee's failure to use the personal protective equipment, protective devices, and the special tools provided for the work.

4. NESC Section 42, Rule 421.A, by the supervisor's failure to adopt such precautions as are within the individual's authority to prevent accidents and see that the safety rules and operating procedures are observed by the employee under the direction of the supervisor.

5. NESC Section 44, Rule 441.A.1, by the employee's failure to maintain the requisite minimum approach distance to live parts.

The Commission, on its own motion, HEREBY ORDERS that:

1. LG&E shall file with the Commission, within 20 days of the date of this Order, a written response to the allegations contained in the Report.

2. LG&E shall appear on September 8, 2009 at 10:00 a.m., Eastern Daylight Time, in Hearing Room 1 of the Commission's offices at 211 Sower Boulevard, Frankfort, Kentucky to present evidence concerning the incident that is the subject of the Report. Specifically, LG&E shall present evidence as to the five alleged violations of KRS 278.042 and the NESC and shall show cause why it should not be subject to the penalties of KRS 278.990 for the alleged violations.

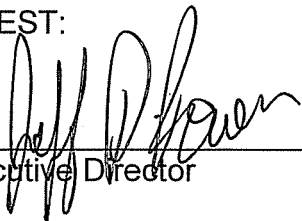
3. The Report attached hereto as the Appendix is made a part of the record in this case.

4. Any request for informal conference with Commission Staff shall be set forth in writing and filed with the Commission within 20 days of the date of this Order.

By the Commission

ENTERED  
JUN 19 2009 *M*  
KENTUCKY PUBLIC  
SERVICE COMMISSION

ATTEST:

  
\_\_\_\_\_  
Executive Director

APPENDIX

APPENDIX TO AN ORDER OF THE KENTUCKY PUBLIC SERVICE  
COMMISSION IN CASE NO. 2009-00210 DATED **JUN 19 2009**



# Kentucky Public Service Commission

Electric Utility Incident Report



## INCIDENT INVESTIGATION ~ Staff Report

**Incident Location ~ 3309 Natchez Lane, Louisville, KY**

**Report Date ~ 4/29/2009**

**Incident Date ~ 2/1/2009**

**PSC Investigator ~ Jeff Moore**

**Utility ~ LG&E**

**Injured ~ Mark McCoy**

### PSC Regulated Rural Electric Utilities

- Big Sandy RECC
- Blue Grass Energy Cooperative
- Clark Energy Cooperative
- Cumberland Valley Electric
- Farmers RECC
- Fleming-Mason Energy Cooperative
- Grayson RECC
- Inter-County Energy Cooperative
- Jackson Energy Cooperative
- Jackson Purchase Energy Corporation
- Kentucky Corporation
- Licking Valley RECC
- Meadow County RECC
- Nolin RECC
- Owen Electric Cooperative
- Salt River Electric Cooperative
- Shelby Energy Cooperative
- South Kentucky RECC
- Taylor County RECC

### PSC Regulated Investor Owned Utilities

- American Electric Power (AEP)
- Dena College Utilities
- Kentucky Utilities Company (KU)
- Louisville Gas and Electric Company (LG&E)
- Louis Light, Heat, and Power Company (LJLH&P)

### Multi-Service Areas

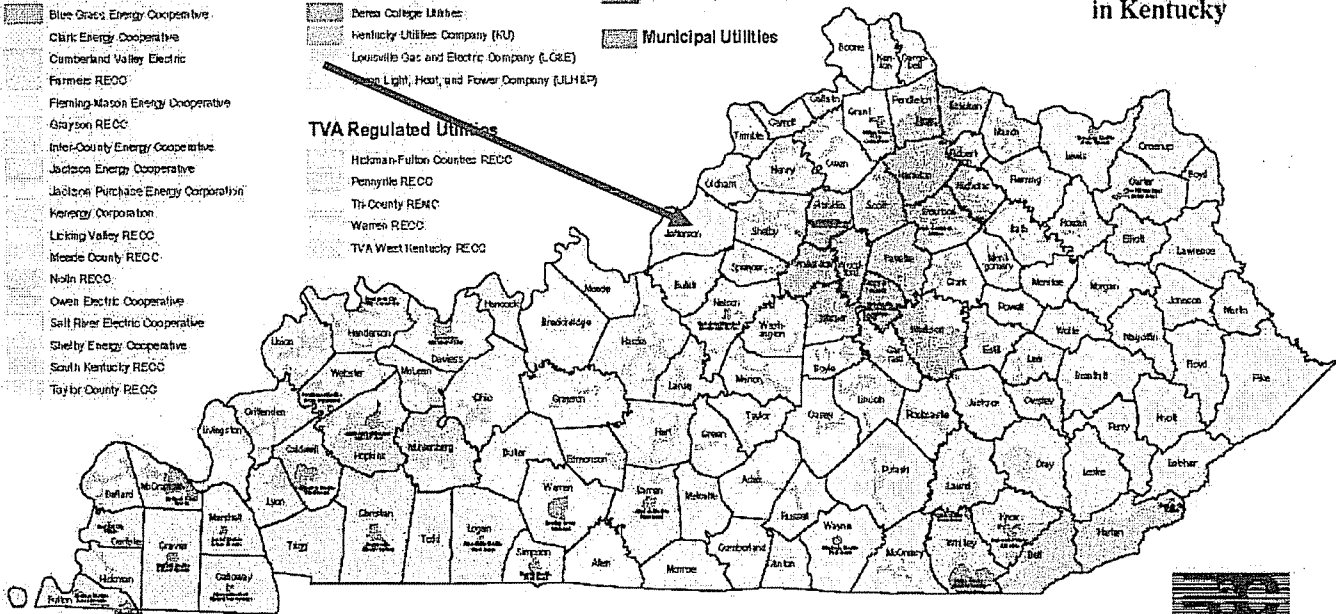
- Jackson Energy Cooperative & KU
- Meadow County RECC & LG&E

### Municipal Utilities

### TVA Regulated Utilities

- Hickman-Fulton Counties RECC
- Pennyrite RECC
- Tri-County RECC
- Warren RECC
- TVA West Kentucky RECC

### Electric Service Areas in Kentucky



*The electric service areas are compiled from certified territory maps on file with the Commission. These are legal documents which define the retail service area of electric suppliers regulated by the Commission (Electricity Statute 278.017). Kentucky has 38 municipal systems which the PSC does not regulate. Their boundaries were derived from the PSC's certified territory maps, or from boundaries submitted for informational purposes by the municipal utility. If the municipal service area's boundaries were unknown, a circle was placed around the unincorporated area.*

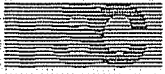
Kentucky Public Service Commission  
January 24, 2002



# Kentucky Public Service Commission

Electric Utility Incident Report

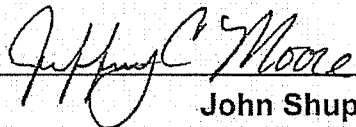
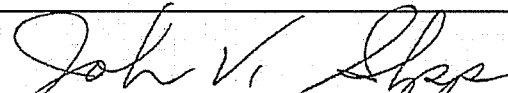
<b>Utility:</b>	<b>LG&amp;E Contractor C.W. Wright Construction</b>	
<b>Reported By:</b>	Ken Sheridan, Manager of Safety and Technical training – Energy Delivery	
<b>Incident Occurred</b>	2/1/2009	Approximately: 4:10 PM
<b>Utility Notified:</b>	2/1/2009	Approximately: 5:02 PM
<b>PSC Notified:</b>	2/1/2009	Approximately: 6:15 PM
<b>PSC Investigated:</b>	2/2/2009	Approximately: 1:30 PM
<b>Incident Location:</b>	3309 Natchez Lane Louisville, Kentucky 40206	
<b>Incident Description:</b>	<p>On February 1, 2009 at 6:15 PM LG&amp;E notified the Public Service Commission that an employee with C. W. Wright Construction Company made contact with energized equipment. The employee injured (Mark McCoy) was working during the ice storm restoration for LG&amp;E as part of the out-of-state assistance. Mr. McCoy was working with this crew clearing damaged services on this 7200 volt, single phase circuit. Mr. McCoy was climbing on the pole behind 3309 Natchez Lane to remove damaged services and clear any unsafe conditions (see photos 1, 2, 6, and 9 in Attachment C). According to the investigation report from LG&amp;E, Mr. McCoy, while working on the pole, attempted to close the fused door of the energized cut-out by hand (see photo 5 in Attachment C), causing shock and burns to the right hand, right forearm, and the right side of his neck and face. The crew at the job site performed a pole top rescue, and lowered Mr. McCoy to the ground when EMS arrived. Mr. McCoy was transported to the University of Louisville Hospital, and was conscious and alert.</p> <p>The foreman of the crew (Jamie Weaver) commented that he assumed the line was de-energized while watching Mr. McCoy close the fused door by hand. Another employee (Jonny Crider) also witnessed Mr. McCoy attempt to close the fused door on the cut-out. Mr. Weaver stated that he had walked the circuit to identify the damages, and checked the re-closer that fed the 7200 volt single phase line. He had noticed the cut-out door was open at the re-closer pole (see photos 15 – 22 in Attachment C). In his statement, Mr. Weaver thought the line was de-energized because the fuse door on the cut-out was open at the re-closer. Further investigation of the workers at the job site found that they felt the line was de-energized, but had not been tested and grounded. C.W. Wright Construction Company informed LG&amp;E they require its employees to wear personal protective equipment (PPE) while working on or near primary electric.</p> <p>According to C.W. Wright Management, Mr. McCoy suffered first and second degree burns, and he is improving during his recovery.</p>	



# Kentucky Public Service Commission

Electric Utility Incident Report

<b>Victim:</b>	<b>Name</b>		<b>Address</b>	<b>Employer</b>
	Mark McCoy		Unknown	C.W. Wright Construction
	<b>Fatality</b>	<b>Age</b>		
	No	31		
<b>Injury:</b>	Shock and flash burns to right hand and forearm, also the right side of his face and neck.			
<b>Witnesses:</b>	See Attachment A, LG&E Incident Report			
<b>Probable Violation:</b>	See Attachment B, Cited Violations			

<b>Utility Investigator</b>	Jeff Moore	PSC Engineering Staff Electric Branch
<b>Signed:</b>	 Jeff Moore	Date: 4-29-2009
<b>Manager</b>	John Shupp	PSC Engineering Staff Electric Branch
<b>Signed:</b>	 John V. Shupp	Date: 4/29/09

- Attachments:**
- A. Utility Incident Report
  - B. Cited Violations
  - C. PSC Photographs
  - D. Utility Photographs





# Kentucky Public Service Commission

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Electric Utility Incident Report

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**Attachment A**  
**Utility Incident Report**

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an eon company

Mr. John Shupp  
Manager Electrical Branch  
Division of Engineering  
Kentucky Public Service Commission  
211 Sower Blvd.  
P.O. Box 615  
Frankfort, KY 40602

February 6, 2009

**Re: Ice Storm/Contractor Employee Injury**  
**3309 Natchez Lane**  
**Louisville, Kentucky**

Dear Mr. Shupp:

I am forwarding the attached Investigation Report prepared by Keith McBride regarding the incident that occurred in Radcliff, Kentucky on the Northeast corner of Dixie and Park Avenue. This report is being submitted as required by Section 26 of 807 KAR 5:006. Please return in enclosed self addressed stamped envelope a copy of the stamped filed report.

If you need additional information concerning this incident, please contact me at (502) 627-3712 so I can direct your request to the appropriate person.

Sincerely,

Jim Dimas

JD/blb

Enclosures

RECEIVED

FEB 09 2009

PUBLIC SERVICE  
COMMISSION

Louisville Gas and Electric  
Company  
Corporate Law  
220 W. Main Street  
Louisville, Kentucky 40202  
www.eon-us.com

Jim Dimas  
Senior Corporate Attorney  
T 502-627-3712  
F 502-627-3367  
jim.dimas@eon-us.com

## KPSC EXTERNAL / INVESTIGATION REPORT

**Contractor Employee Electrical Contact**

Type of Report

**09-E-007**

Report Number

**Keith McBride**

Investigator

**February 1, 2009**

Date of Incident

Utility: **Louisville Gas and Electric Company ("LG&E")**

Reference: **Ice Storm / Contractor Employee Injury**

Location: **3309 Natchez Lane  
Louisville, Kentucky 40206**

### **Case Summary**

On February 1, 2009 LG&E Dispatch Control Center ("DCC") received a call concerning a contractor's employee who received a shock while working the ice storm. Preliminary reports stated that the contract employee was transported to the University of Louisville Hospital via EMS, and was conscious and alert.

Ken Sheridan, Manager of Safety and Technical Training - Energy Delivery, notified the Kentucky Public Service Commission of the incident.

### **Investigation**

Investigation into the incident found that at approximately 4:10 p.m., Mark McCoy, Line Technician First Class, employee of C.W. Wright Construction Company ("C.W. Wright"), contractor working for LG&E, attempted to install a fuse door into a cut-out by hand while on the pole. It is unclear whether or not Mr. McCoy knew the single phase 7200 volt line was still energized. Mr. McCoy does not recall any of his thoughts or actions just prior to or immediately following the incident.

Mr. McCoy received a shock and flash burns to his right hand and forearm as well as to the right side of his neck and face. Coworkers on the job site performed a pole top rescue and had Mr. McCoy on the ground when EMS arrived on scene.

### Interviews with C.W. Wright employees

C.W. Wright crews were working to clear up any damaged services and make the area safe. Jamie Weaver, Foreman for C.W. Wright stated that he had walked the line out to locate and identify the damaged services, and check the re-closer from where the single phase tap line was being fed.

Mr. Weaver stated that he visually checked the re-closure and saw that the cut-out fuse door was open. Mr. Weaver stated that he thought that the tap line was de-energized due to the fuse door being open.

Further investigation through interviews of the coworkers found that the general consensus of the crews was that the single phase line was de-energized and had not been tested and grounded. I was informed by C.W. Wright's General Foreman, John Boyer, that C.W. Wright requires its employees working on or near primary electric to wear proper PPE and always test and ground lines.

All C.W. Wright crews were pulled from their jobs until there was sufficient time to tailgate the incident with the crews and to devise a plan going forward.

According to C.W. Wright Management, Mr. McCoy's condition as of 2/03/2009 was that he had suffered first and second degree burns and that he was improving.

### Contacts

C.W. Wright Construction Company  
P.O. Box 3810  
11500 Iron Bridge Road  
Chester, Virginia 23831  
(804) 768-1054

John Boyer – C.W. Wright Construction Co. General Foreman (not on site during incident)  
(540) 336-8597

Jamie Weaver  
RR – 3 Box 1105  
Terra Alta, West Virginia

C.W. Wright Construction Co. Foreman (witness – stated that he assumed that the line was de-energized and observed Mr. McCoy up on the pole facing east when he attempted to install the fuse door by hand.)

Allen Pingly

RR – 2 Box 16B

Terra Alta, West Virginia

C.W. Wright Construction Co. Line tech 1<sup>st</sup> Class (Not a witness – up on next pole down and heard yelling and then saw that Mr. McCoy was hurt)

Bryant Johnson

304 Mackin Street

Grafton, West Virginia

C.W. Wright Construction Co. Line Tech 3<sup>rd</sup> class (not a witness)

---

Terry Simmons

202 Brandywine Street

Terra Alta, West Virginia

C.W. Wright Construction Co. Line Technician (not a witness – was in front of building)

---

William Greenwalt

P.O. Box 917

Old Fields, West Virginia

C.W. Wright Construction Co. Line Technician (not a witness)

Ed Gribble

1332 Pleasant Valley Road

Fairmont, West Virginia

C.W. Wright Construction Co. Line Technician (not a witness)

Jonny Crider

P.O. Box 342

Purgitville, West Virginia

C.W. Wright Construction Co. Line technician (witness – observed Mr. McCoy attempt to install fuse door in cut-out)

## **Attachments**

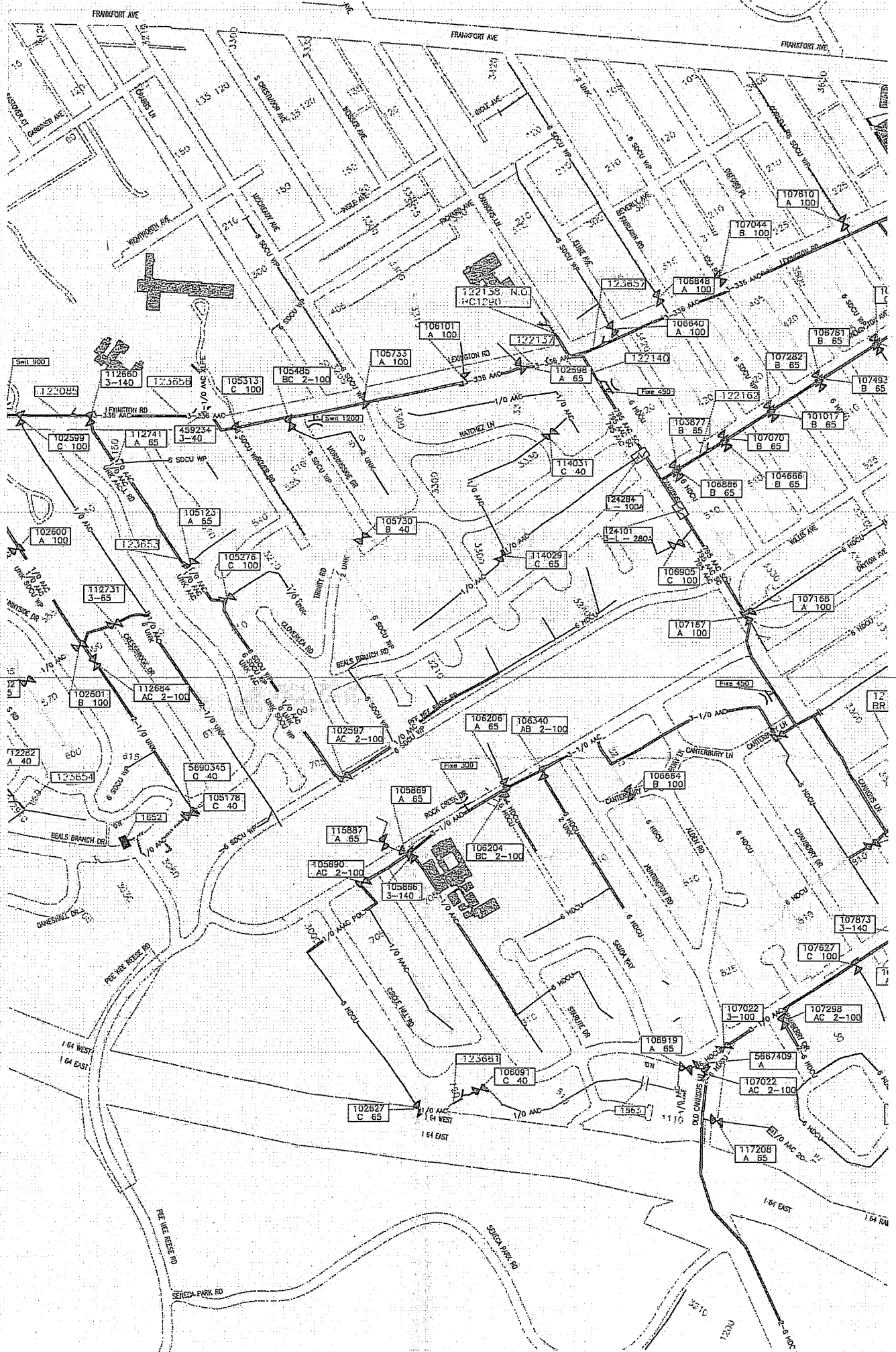
Items requested by the Kentucky Public Service Commission to accompany this report are:

- Utility photographs - **Attached**
- Copy of the last system inspection on facilities involved\*
- Facility map - **Attached**
- Copy of any work orders completed recently on facilities involved\*
- Copy of maintenance records of facilities involved\*
- Copy of outage report on facilities associated with incident\*
- Copy of crew job briefings (job briefings were not documented)
- Witness statements (oral only – included in report)

\* *Due to the restoration efforts currently underway relative to the January 27, 2009 ice storm, John Shupp, KPSC, has allowed LG&E to produce these documents at a later date*

**DATE OF REPORT: FEBRUARY 6, 2009**

**END OF REPORT**





an **e-on** company

Mr. John Shupp  
Manager Electrical Branch  
Division of Engineering  
Kentucky Public Service Commission  
211 Sower Blvd.  
Frankfort, KY 40602

**Louisville Gas and Electric  
Company**  
Corporate Law  
220 W. Main Street  
Louisville, Kentucky 40202  
www.eon-us.com

Jim Dimas  
Senior Corporate Attorney  
T 502-627-3712  
F 502-627-3367  
jim.dimas@eon-us.com

March 20, 2009

**Re: Ice Storm/Contractor Employee Injury  
3309 Natchez Lane  
Louisville, Kentucky**

**RECEIVED**

**MAR 23 2009**

**PUBLIC SERVICE  
COMMISSION**

Dear Mr. Shupp:

Please accept this letter in follow-up to the Investigation Report filed by Louisville Gas and Electric Company ("LG&E") on February 9, 2009, regarding this incident. LG&E records have identified the transformer where Mr. McCoy was working as being device no. xfm120805265. Enclosed are the following records that were requested by the KPSC:

1. Copy of last system inspection of Circuit HC1293 on August 2008;
2. Copy of system inspection of Circuit HC1293 for post-ice storm restoration/repairs; and
3. Copies of OMS Event Ticket Summary and Event Tickets for device no. xfm120805265 dated January 29, 2009, that were included in the work packet given to the crew working circuit HC1293.

LG&E found no work orders or maintenance records associated with this transformer for the period February 1, 2008 to February 1, 2009. If you need additional information concerning this incident, please contact me at (502) 627-3712.

Sincerely,

Jim Dimas

JD/slg

Enclosures

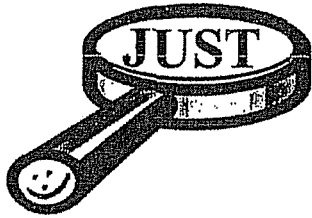
1 | 1



# HC1293 System Inspection

August 2008



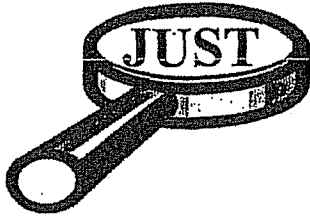


Engineering & Inspection  
Services Inc.

LG&E PSC Inspection

Circuit HC1293 Date 8-7-08 Inspector Bosworth

1. R-3206 Dublin LN  
vines covering transf. pole (WR#1675595)
- ② R-3202 Dublin LN  
vines covering pole in primary (WR#1675604)
- ③ R-3300 Trinity Rd  
#4 triplex in bad shape - insulation coming  
off need to replace (WR#1675845)
- ④ R-3212 BEALS BRANCH Rd  
8 ft crossarm defective (WR#1675854)
- ⑤ Pole
- ⑥ 3608 LEXINGTON Rd (WR#1675865)  
37 MN has pressure leak. tall bucket
- ⑦ R-428 BAUER AVE (WR#1675875)  
lightning arrester blown
- ⑧ 1201 Old CANNONS LN  
replace 8 ft crossarm-pole #4530287501  
bucket (WR#1675885)



Engineering & Inspection  
Services Inc.

LG&E PSC Inspection

Circuit 17C1793 Date 8-11-08 Inspector Bosworth

- 1. 9. Pole ✓
- 10 Pole ✓
- 11 Pole ✓
- 12 Pole ✓

(5)

WR 1786396



LG&E/KU Pole Replacement Form

Circuit: HC1793 Pole Number: 45220 87829 Owner: LG&E

Address R-3240 Beals Branch Rd Other KU BLS

Reason for Replacement defective

Remarks \_\_\_\_\_

Category	Phase	Construction	Type	Other		
1	1 phase	Pole Top	Flat	Height	<u>40</u>	
2	2 phase	Crossarm	Angle	New Pole Ht	<u>40</u>	
3	3 phase	Armless	Deadend			
	Sec/Service	Spacer Cable	Double deadend	Truck OK	Yes	No
	Stub/Guy	3 Eye	Vertical	Traffic Control:	Yes	No
	Multi-Circuit	Transmission		Unit Pricing	Yes	No

New Material Needed	QTY	New Equip Needed	QTY and Type
---------------------	-----	------------------	--------------

- 8' arms \_\_\_\_\_ 1 Ph Transformer \_\_\_\_\_
- 10' arms \_\_\_\_\_ 3 Ph Bank \_\_\_\_\_
- Wood Braces \_\_\_\_\_ 1 Ph Recloser \_\_\_\_\_
- Steel Braces \_\_\_\_\_ 2 Ph Recloser \_\_\_\_\_
- 3 Eye Bracket \_\_\_\_\_ 3 Ph Recloser \_\_\_\_\_
- S.C. C Bracket \_\_\_\_\_ Cap Bank \_\_\_\_\_
- S.C. Long E Bracket \_\_\_\_\_
- S.C. Short E Bracket \_\_\_\_\_
- UAD Switches \_\_\_\_\_
- Poly Pin Insulators \_\_\_\_\_
- Poly Deadend Ins. \_\_\_\_\_
- 3kv Arresters \_\_\_\_\_
- 9kv Arresters \_\_\_\_\_
- 15kv Arresters \_\_\_\_\_
- Cutouts \_\_\_\_\_
- 1 Roller Racks \_\_\_\_\_

Attachments (circle all that apply)

- BLS
- Insight
- JCPS
- Supervisory
- Other \_\_\_\_\_

Commercial Customers Involved

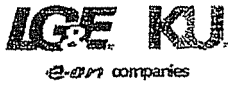
Yes \_\_\_\_\_  
 No \_\_\_\_\_  
 If yes, who? \_\_\_\_\_

To Be Changed Out QTY and Size

Open Wire Services \_\_\_\_\_  
 Steel/CW Down Guys \_\_\_\_\_

(4)

WR 1786399



### LG&E/KU Pole Replacement Form

Circuit: HC1293 Pole Number: 45167-87660 Owner: LG&E

Address R-802 STARLITE DR  KU  BLS  Other

Reason for Replacement defective

Remarks \_\_\_\_\_

Category	Phase	Construction	Type	Other	
1	1 phase	Pole Top	Flat	Height	<u>40</u>
<input checked="" type="radio"/> 2	<input checked="" type="radio"/> 2 phase	<input checked="" type="radio"/> Crossarm	Angle	New Pole Ht	<u>40 45</u>
3	3 phase	Armless	Deadend		
	Sec/Service	Spacer Cable	Double deadend	Truck OK	Yes <input checked="" type="radio"/> No
	Stub/Guy	3 Eye	Vertical	Traffic Control:	Yes <input type="radio"/> No
	Multi-Circuit	Transmission		Unit Pricing	Yes <input type="radio"/> No

New Material Needed	QTY	New Equip Needed	QTY and Type
---------------------	-----	------------------	--------------

- 8' arms 1
- 10' arms \_\_\_\_\_
- Wood Braces \_\_\_\_\_
- Steel Braces \_\_\_\_\_
- 3 Eye Bracket \_\_\_\_\_
- S.C. C Bracket \_\_\_\_\_
- S.C. Long E Bracket \_\_\_\_\_
- S.C. Short E Bracket \_\_\_\_\_
- UAD Switches \_\_\_\_\_
- Poly Pin Insulators \_\_\_\_\_
- Poly Deadend Ins. \_\_\_\_\_
- 3kv Arresters \_\_\_\_\_
- 9kv Arresters \_\_\_\_\_
- 15kv Arresters \_\_\_\_\_
- Cutouts \_\_\_\_\_
- 1 Roller Racks \_\_\_\_\_

**Attachments (circle all that apply)**

- BLS
- Insight
- JCPS
- Supervisory
- Other \_\_\_\_\_

**Commercial Customers Involved**

Yes \_\_\_\_\_

No \_\_\_\_\_

If yes, who? \_\_\_\_\_

**To Be Changed Out QTY and Size**

Open Wire Services \_\_\_\_\_

Steel/CW Down Guys \_\_\_\_\_

10

WR 1786404



### LG&E/KU Pole Replacement Form

Circuit: HC693

Pole Number: 45207-87640

Owner: LG&E

Address 307 Starlite DR

KU  
BLS  
Other \_\_\_\_\_

Reason for Replacement defective

Remarks \_\_\_\_\_

Category	Phase	Construction	Type	Other	
1	<u>1 phase</u>	<u>Pole Top</u>	<u>Flat</u>	Height	<u>40</u>
<u>2</u>	<u>2 phase</u>	Crossarm	Angle	New Pole Ht	<u>40</u>
3	3 phase	Armless	Deadend		
	Sec/Service	Spacer Cable	Double deadend	Truck OK	Yes <u>No</u>
	Stub/Guy	3 Eye	Vertical	Traffic Control:	Yes No
	Multi-Circuit	Transmission		Unit Pricing	Yes No

New Material Needed	QTY	New Equip Needed	QTY and Type
8' arms	_____	1 Ph Transformer	_____
10' arms	_____	3 Ph Bank	_____
Wood Braces	_____	1 Ph Recloser	_____
Steel Braces	_____	2 Ph Recloser	_____
3 Eye Bracket	_____	3 Ph Recloser	_____
S.C. C Bracket	_____	Cap Bank	_____
S.C. Long E Bracket	_____		
S.C. Short E Bracket	_____		
UAD Switches	_____	<b>Attachments (circle all that apply)</b>	
Poly Pin Insulators	_____	<u>BLS</u>	
Poly Deadend Ins.	_____	<u>Insight</u>	
3kv Arresters	_____	JCPS	
9kv Arresters	_____	Supervisory	
15kv Arresters	_____	Other	_____
Cutouts	_____		
1 Roller Racks	_____		

**Commercial Customers Involved**

Yes

No

If yes, who?

**To Be Changed Out**

**QTY and Size**

Open Wire Services \_\_\_\_\_

Steel/CW Down Guys \_\_\_\_\_

11

WR 1786400



LG&E/KU Pole Replacement Form

Circuit: HC1293

Pole Number: 4519787633(?)

Owner: LG&E

KU

BLS

Other \_\_\_\_\_

Address 808 STARLITE Dr

Reason for Replacement defective

Remarks \_\_\_\_\_

Category	Phase	Construction	Type	Other	
<u>1</u>	<u>1 phase</u>	<u>Pole Top</u>	<u>Flat</u>	Height	<u>40</u>
<u>2</u>	2 phase	Crossarm	Angle	New Pole Ht	<u>40</u>
3	3 phase	Armless	Deadend		
	Sec/Service	Spacer Cable	Double deadend	Truck OK	Yes <u>No</u>
	Stub/Guy	3 Eye	Vertical	Traffic Control:	Yes <u>No</u>
	Multi-Circuit	Transmission		Unit Pricing	Yes No

New Material Needed	QTY	New Equip Needed	QTY and Type
---------------------	-----	------------------	--------------

- 8' arms \_\_\_\_\_ 1 Ph Transformer \_\_\_\_\_
- 10' arms \_\_\_\_\_ 3 Ph Bank \_\_\_\_\_
- Wood Braces \_\_\_\_\_ 1 Ph Recloser \_\_\_\_\_
- Steel Braces \_\_\_\_\_ 2 Ph Recloser \_\_\_\_\_
- 3 Eye Bracket \_\_\_\_\_ 3 Ph Recloser \_\_\_\_\_
- S.C. C Bracket \_\_\_\_\_ Cap Bank \_\_\_\_\_
- S.C. Long E Bracket \_\_\_\_\_
- S.C. Short E Bracket \_\_\_\_\_
- UAD Switches \_\_\_\_\_
- Poly Pin Insulators \_\_\_\_\_
- Poly Deadend Ins. \_\_\_\_\_
- 3kv Arresters \_\_\_\_\_
- 9kv Arresters \_\_\_\_\_
- 15kv Arresters \_\_\_\_\_
- Cutouts \_\_\_\_\_
- 1 Roller Racks \_\_\_\_\_

Attachments (circle all that apply)

- BLS
- Insight
- JCPS

Supervisory  
Other \_\_\_\_\_

Commercial Customers Involved

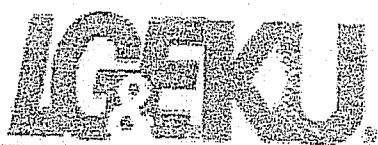
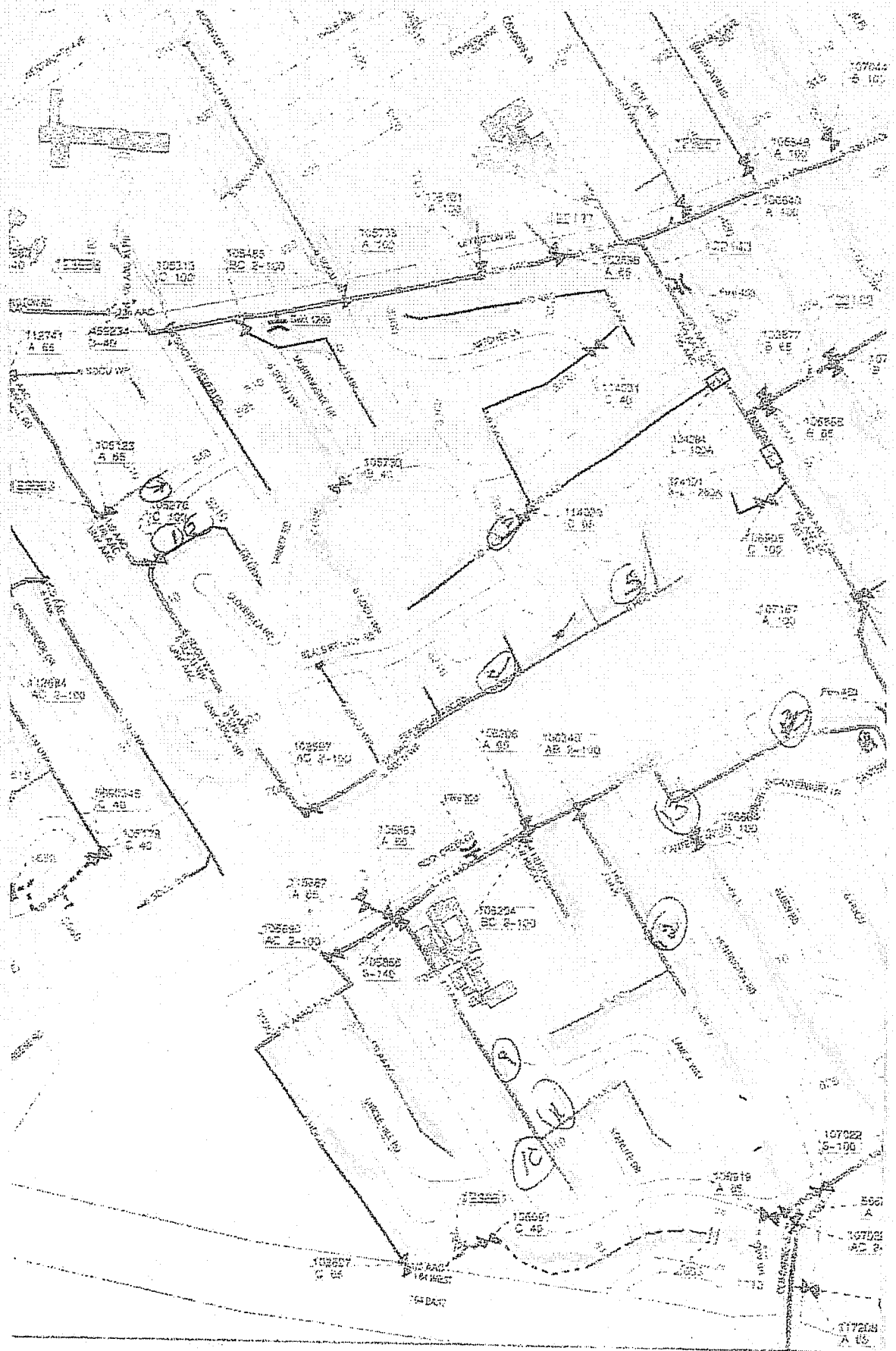
Yes  
No

If yes, who?

To Be Changed Out

QTY and Size

- Open Wire Services \_\_\_\_\_
- Steel/CW Down Guys \_\_\_\_\_



Scale: 1:40000

Page: 1

- ABS Closer
- ABS Open



HC1293  
Post Ice Storm Restoration/Repairs  
System Inspection

February 6, 2009

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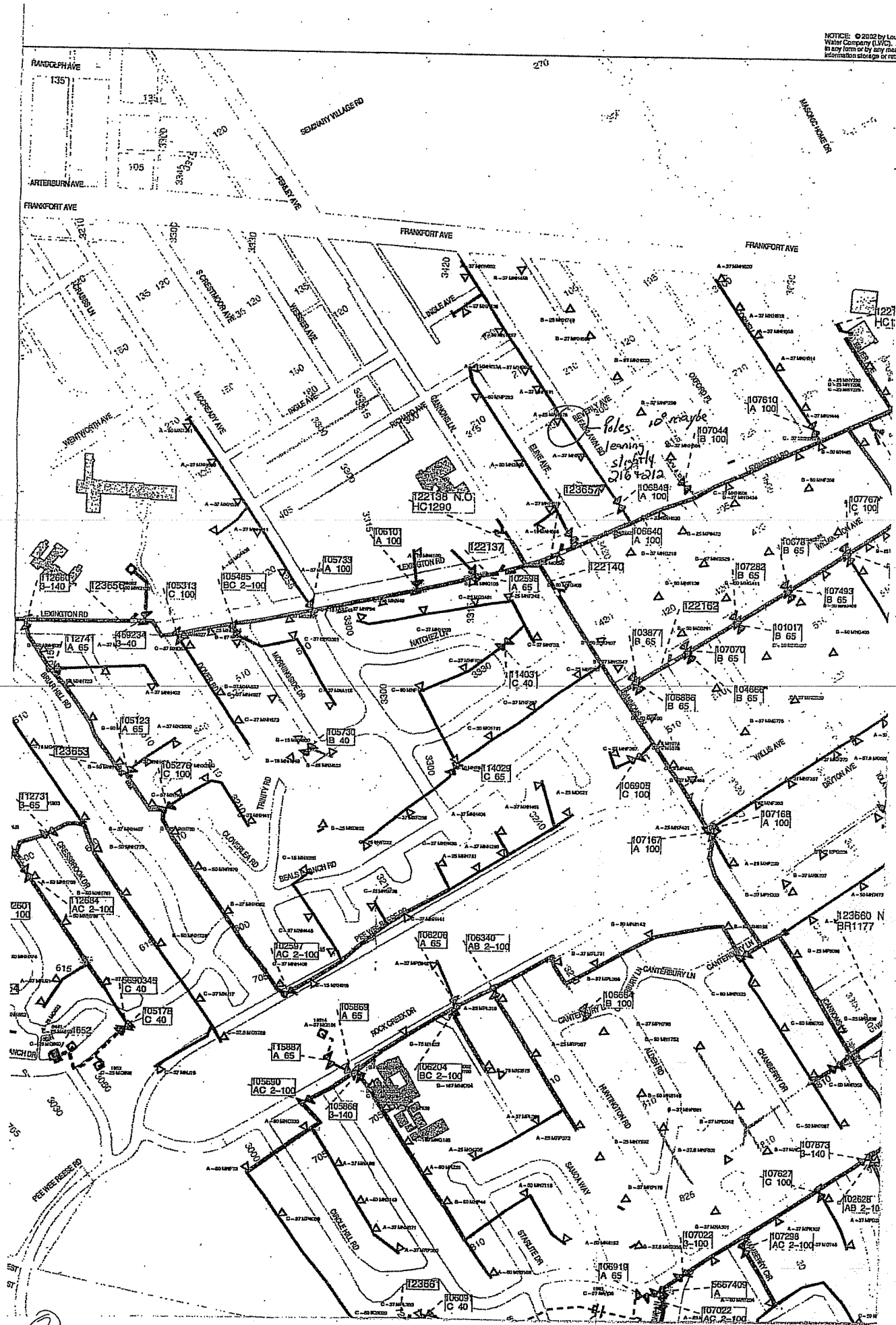
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HC 1293

220 Fair lawn Rd Little

Pole leaning very little  
Julie 364-8445

1. No Repairs  
7/6/09



**OMS Event Ticket Summary**

\*\*\*Field Copy\*\*\*

<b>Date:</b>	1/29/2009 12:44:36 PM	<b>Crew ID:</b>	_____
<b>Company:</b>	LGE	<b>Contact:</b>	_____
<b>OpCenter:</b>	EOC	<b>Supervisor:</b>	_____
<b>Local Area:</b>	BROWNSBORO RD	<b>Mobile #:</b>	_____
<b>Substation:</b>	HILLCREST	<b>Pager/Two way</b>	_____
<b>Circuit:</b>	HC1293	<b>Type:</b>	_____

<u>Status</u>	<u>Crew</u>	<u>Incident #</u>	<u>Incident Address</u>	<u># Calls</u>	<u># Custs Affected</u>	<u>Priority Custs</u>
UAS		880846	519 FAIRLAWN RD	1	1	0
UAS		880978	803 CHAMBERRY DR			0
UAS		881233	3305 NATCHEZ LN			0
UAS		881374	3300 NATCHEZ LN			0
UAS		881375	515 WALLACE AV			0
UAS		881376	141 BRECKENRIDGE LN APT IF	2	8	0
UAS		881377	509 FAIRLAWN RD	2	20	0
UAS		881378	516 MCCREADY AV	1	14	0
UAS		881380	218 STILZ AV	1	1	0
UAS		881381	3029 LEXINGTON RD	2	2	0
UAS		881382	408 BAUER AV APT 2	1	1	0
UAS		881383	3422 LEXINGTON RD	1	1	0
UAS		881718	525 DOVER RD	1	0	0
UAS		881956	500 MACON AV	1	1	0
UAS		882842	BAUER AV AND WILLIS AV, CORNER OF	1	1	0
UAS		883072	506 ELINE AV	1	0	0
UAS		884348	701 BRIAR HILL RD	9	33	0
UAS		884415	510 MACON AV	1	1	0

*(Handwritten circled mark)*

**OMS Event Ticket Summary**

\*\*\*Field Copy\*\*\*

**Date:** 1/29/2009 12:44:36 PM      **Crew ID:** \_\_\_\_\_  
**Company:** LGE      **Contact:** \_\_\_\_\_  
**OpCenter:** EOC      **Supervisor:** \_\_\_\_\_  
**Local Area:** BROWNSBORO RD      **Mobile #:** \_\_\_\_\_  
**Substation:** HILLCREST      **Pager/Two way:** \_\_\_\_\_  
**Circuit:** HC1293      **Type:** \_\_\_\_\_

<u>Status</u>	<u>Crew</u>	<u>Incident #</u>	<u>Incident Address</u>	<u># Calls</u>	<u># Custs Affected</u>	<u>Priority Custs</u>
UAS		867464	415 IOLA RD	1	0	0
UAS		869242	541 DOVER RD	1	0	0
UAS		870565	607 WALLACE AV	1	1	0
UAS		871140	511 ELINE AV	1	0	0
UAS		872975	406 FAIRLAWN RD	1	0	0
UAS		873029	134 WILTSHIRE AV APT 2	1	0	0
UAS		873570	3307 NATCHEZ LN	1	1	0
UAS		873579	500 BRIAR HILL RD	1	1	0
UAS		873629	3610 DAYTON AV	1	1	0
UAS		873783	3314 LEXINGTON RD	1	1	0
UAS		873867	306 STILZ AV	2	2	0
UAS		873911	418 BAUER AV	1	0	0
UAS		874425	3500 NANZ AV	1	1	0
UAS		874606	411 OXFORD PL	1	1	0
UAS		874700	505 IOLA RD	1	1	0
UAS		874936	3409 INGLE AV	1	0	0
UAS		875013	613 WALLACE AV	1	1	0
UAS		875233	420 WENDOVER AV	1	1	0

**Event Information**

**Incident #**

**873570**

**Circuit:** HC1293  
**Substation:** HILLCREST  
**Local Area:** BROWNSBORO RD  
**Op Center:** EOC  
**Company:** LGE  
**Device:** xfm120805265  
**Device Location:**

**Begin Date:**  
**ERT:**  
**Status:** UAS  
**Crew ASN/DSP:**  
**Type:** OUT  
**TLM #:** 42710  
**Trouble Code:** WDH-WIR-OUT  
**Address:** 3307 NATCHEZ LN

**Completion Information**

**System:** Overhead  Underground

**Cause:** Animal  Bird  Company Contract Crew  Company Crew  Contractor/Other Utility  Customer Equipment  Dig In-Co.Crew  Dig In-Other  Equipment Failure  Fire  Lightning  Loose Connection  Other  Overload  Planned Work Outage  Public Interference  Sag/Spacing  Tree Fell  Tree Growth  Tree Limb  Unknown  Vehicle

**Type:** 34kv Subtransmission  Customer Trouble  Distribution Substation  Foreign Transmission  Other Utilities  Primary  Secondary  Service  Transformer  Transmission Lines  Transmission Substation

**Interrupting Device:** Line Fuse  Other  Pole Recloser  Sectionalizer  Station Breaker  Transformer Fuse  Unknown

**Failure:** Arrester  Capacitor  Conductor  Connector  Crossarm/Conductor Support  Cut Out  Elbow  Insulator  None  Other  Pole  Recloser/Breaker  Regulator  Splice  Switch  Transformer

**Weather:** Calm/Mild  Extreme Temperature  Ice  Lightning  Precipitation (rain, snow, fog)  Storm(wind, rain, lightning)  Wind Only  Wind and Ice  Wind and Precipitation

**Action Taken:** CATV  Completed  Customer Trouble  Cut Off for Repairs  Made Safe  Meter Shop  Pending  Phone  Pole  Switched / Bad cable  Temp Repair OH  Temp Repair URD  Tree/Limb Removal

**Dispatcher Info Notes:**

[Empty text box for Dispatcher Info Notes]

**Field Notes:**

[Empty text lines for Field Notes]

**Customer Information**

<b># of Calls:</b>	1	<b># of Crit Custs Affected:</b>	0
<b># of Customers Affected:</b>	1	<b># of Med Custs Affected:</b>	0
		<b># of Key Custs Affected:</b>	0

**Event Information**

**Incident #**

**881233**

**Circuit:** HC1293  
**Substation:** HILLCREST  
**Local Area:** BROWNSBORO RD  
**Op Center:** EOC  
**Company:** LGE  
**Device:** xfm120805265  
**Device Location:**

**Begin Date:**  
**ERT:**  
**Status:** UAS  
**Crew ASN/DSP:**  
**Type:** NON  
**TLM #:** 42710  
**Trouble Code:** WDH-WIR-ON  
**Address:** 3305 NATCHEZ LN

**Completion Information**

**System:** Overhead  Underground   
**Cause:** Animal  Bird  Company Contract Crew  Company Crew  Contractor/Other Utility  Customer Equipment  Dig In-Co.Crew  Dig In-Other  Equipment Failure  Fire  Lightning  Loose Connection  Other  Overload  Planned Work Outage  Public Interference  Sag/Spacing  Tree Fell  Tree Growth  Tree Limb  Unknown  Vehicle   
**Type:** 34kv Subtransmission  Customer Trouble  Distribution Substation  Foreign Transmission  Other Utilities  Primary  Secondary  Service  Transformer  Transmission Lines  Transmission Substation   
**Interrupting Device:** Line Fuse  Other  Pole Recloser  Sectionalizer  Station Breaker  Transformer Fuse  Unknown   
**Failure:** Arrester  Capacitor  Conductor  Connector  Crossarm/Conductor Support  Cut Out  Elbow  Insulator  None  Other  Pole  Recloser/Breaker  Regulator  Splice  Switch  Transformer   
**Weather:** Calm/Mild  Extreme Temperature  Ice  Lightning  Precipitation (rain, snow, fog)  Storm(wind, rain, lightning)  Wind Only  Wind and Ice  Wind and Precipitation   
**Action Taken:** CATV  Completed  Customer Trouble  Cut Off for Repairs  Made Safe  Meter Shop  Pending  Phone  Pole  Switched / Bad cable  Temp Repair OH  Temp Repair URD  Tree/Limb Removal

**Dispatcher Info Notes:**

[Empty text box for Dispatcher Info Notes]

**Field Notes:**

[Multiple horizontal lines for Field Notes]

**Customer Information**

<b># of Calls:</b>	1	<b># of Crit Custs Affected:</b>	0
<b># of Customers Affected:</b>	0	<b># of Mad Custs Affected:</b>	0
		<b># of Key Custs Affected:</b>	0

DISTRIBUTION OPERATIONS

OMS  
Event Ticket

Report Run  
01/29/2009  
12:44:35 PM

**Calls With Notes**

**Incident #**

**881233**

<u>Time of Call/Notes</u>	<u>Customer Name</u>	<u>Address</u>	<u>Contact Phone</u>	<u>Route/Seq</u>	<u>Clues</u>
1/28/2009 8:35:52 AM	FRANCIS C LAROCQUE	3305 NATCHEZ LN	5027771416	10/028001	WDH-WIR-ON

LINE HAS PULLED AWAY FROM HOUSE & METER





# Kentucky Public Service Commission

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Electric Utility Incident Report

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**Attachment B**  
**Cited Violations**

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# National Electric Safety Code

## 2007

### Section 42. General Rules for Employees

Possible Violation: 1

#### **420. Personal General Precautions**

##### C. Safeguarding Oneself and Others

3. Employees who work on or in the vicinity of energized lines shall consider all of the effects of their actions, taking into account their own safety as well as the safety of other employees on the job site, or on some other part of the affected electric system, the property of others, and the public in general.

### Section 42. General Rules for Employees

Possible Violation: 2

#### **420. Personal General Precautions**

##### D. Energized or Unknown Conditions

Employees shall consider electric supply equipment and lines to be energized, unless they are positively known to be de-energized. Before starting work, employees shall perform preliminary inspections or tests to determine existing conditions. Operating voltages of equipment and lines should be known before working on or in the vicinity of energized parts.

**Section 42.  
General Rules for Employees**

**Possible Violation: 3**

**420. Personal General Precautions**

H. Tools and Protective Equipment

Employees shall use the personal protective equipment, the protective devices, and the special tools provided for their work. Before starting work, these devices and tools shall be carefully inspected to make sure that they are in good condition.

**Section 42.  
General Rules for Employees**

**Possible Violation: 4**

**421. General Operating Routines**

A. Duties of a First-Level Supervisor or Person in Charge  
This individual shall:

1. Adopt such precautions as are within the individual's authority to prevent accidents.
2. See that the safety rules and operating procedures are observed by the employees under the direction of this individual.

**Section 44.  
Additional Rules for Supply Employees**

**Possible Violation: 5**

**441. Energized Conductors or Parts**

Employees shall not approach, or knowingly permit others to approach, any exposed ungrounded part normally energized except as permitted by this rule.

A. Minimum Approach Distance to Live Parts

1. General

Employees shall not approach or bring any conductive object within the minimum approach distance listed in Table 441-1 or Table 441-4 to exposed parts unless one of the following is met:

- a. The line or part is de-energized and grounded per Rule 444D.
- b. The employee is insulated from the energized line or part. Electrical protective equipment insulated for the voltage involved, such as tools, gloves, rubber gloves, or rubber gloves with sleeves, shall be considered effective insulation for the employee from the energized part being worked on.
- c. The energized line or part is insulated from the employee and from any other line or part at a different voltage.

**Table 441-1: AC Live Work Minimum Approach Distance<sup>4</sup>**  
(See Rule 441 in its entirety.)

Voltage in kilovolts phase to phase <sup>1,2</sup>	Distance to employee			
	Phase-to-ground		Phase-to-phase	
	(m)	(ft-in)	(m)	(ft-in)
0 to 0.050 <sup>1</sup>	not specified		not specified	
0.051 to 0.300 <sup>1</sup>	avoid contact		avoid contact	
0.301 to 0.750 <sup>1</sup>	0.31	1-0	0.31	1-0
0.751 to 15	0.65	2-2	0.67	2-3
15.1 to 36.0	0.77	2-7	0.86	2-10
36.1 to 46.0	0.84	2-9	0.96	3-2
46.1 to 72.5	1.00 <sup>3</sup>	3-3 <sup>3</sup>	1.20	3-11



# Kentucky Public Service Commission

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Electric Utility Incident Report

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**Attachment C**  
**PSC Photographs**

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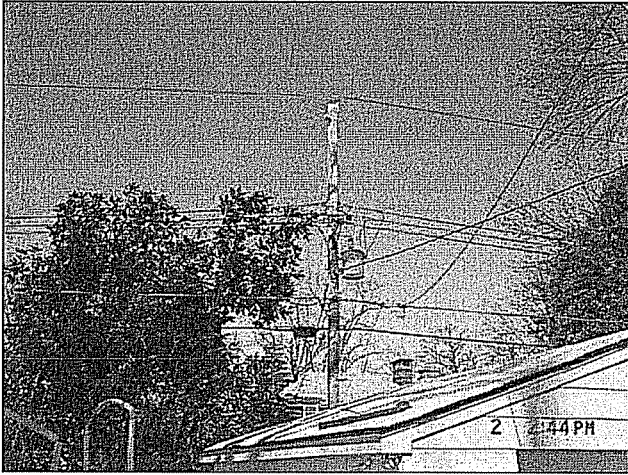


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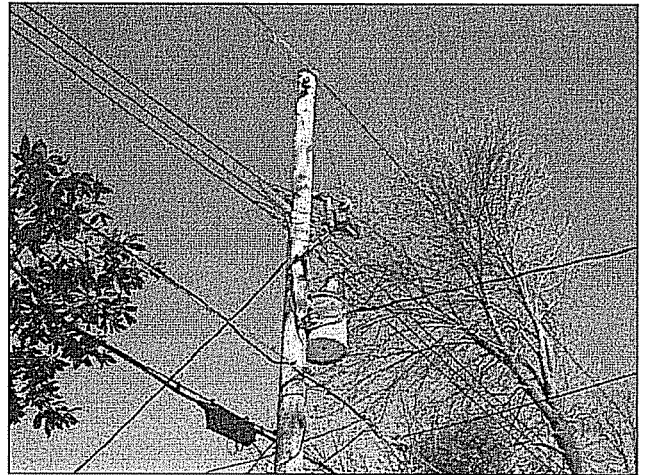


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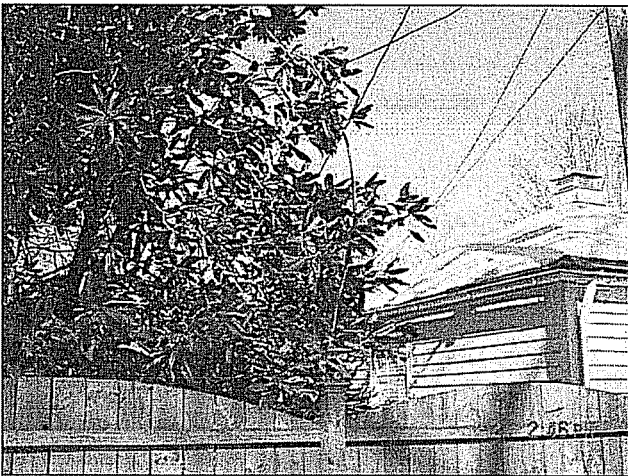


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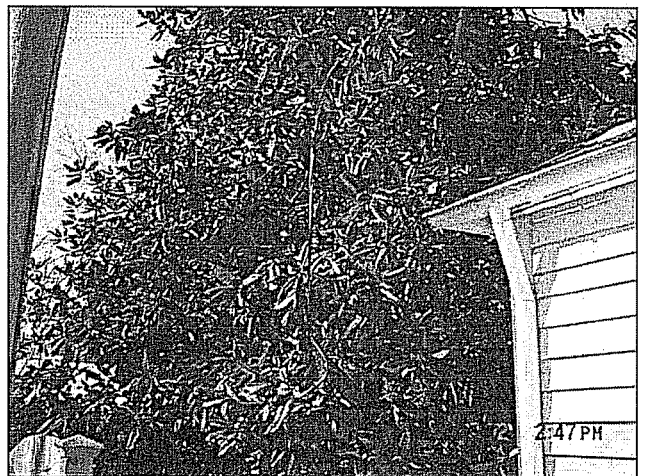


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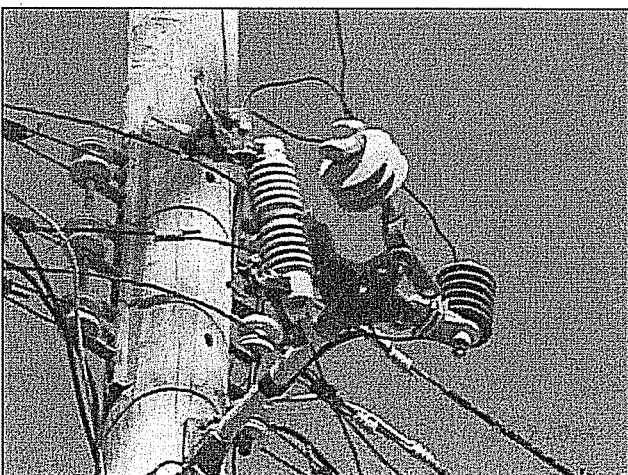


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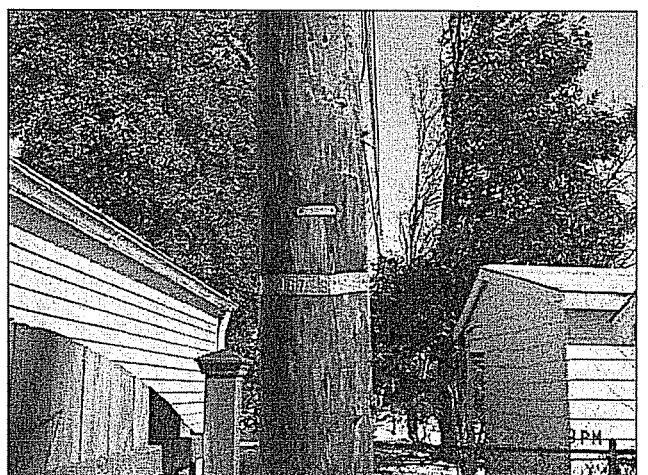


Photo 6



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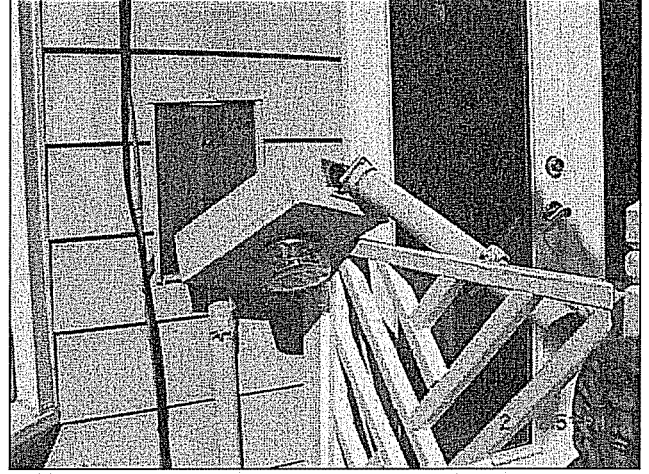


Photo 8



Photo 9

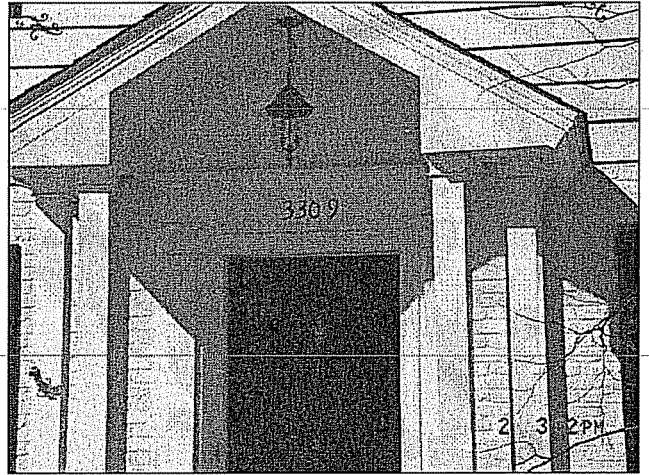


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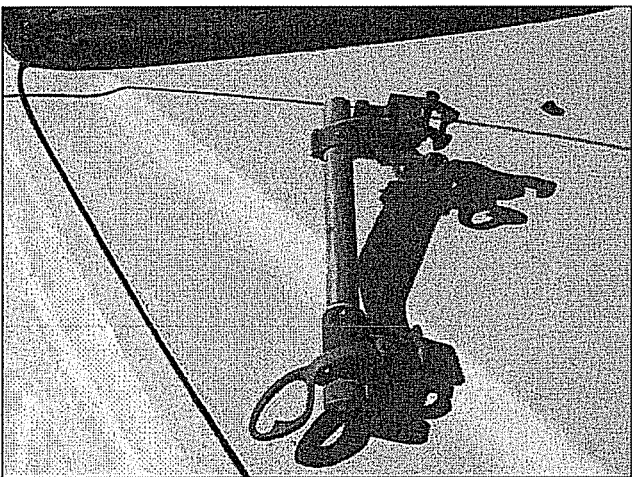


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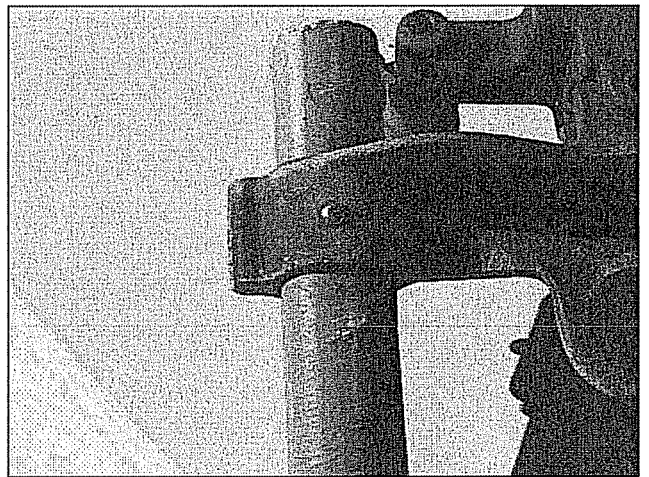


Photo 12



Photo 13

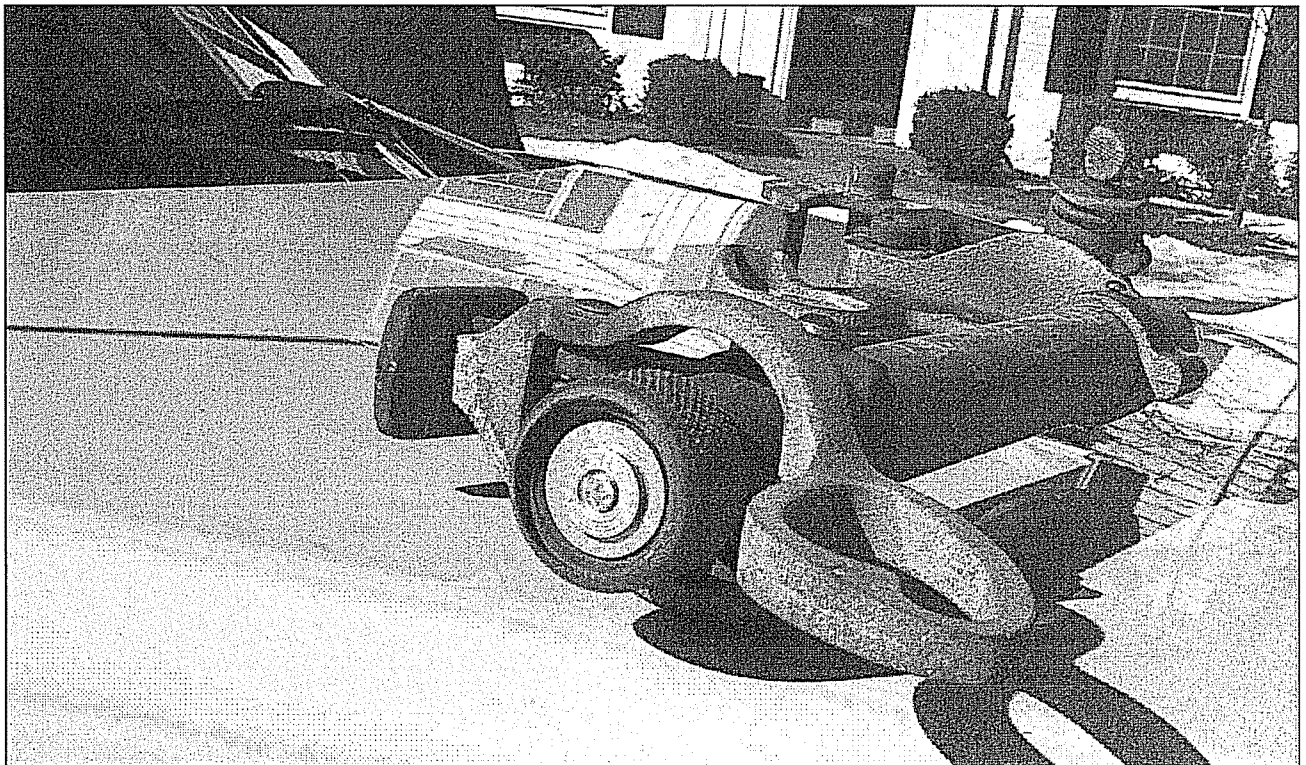


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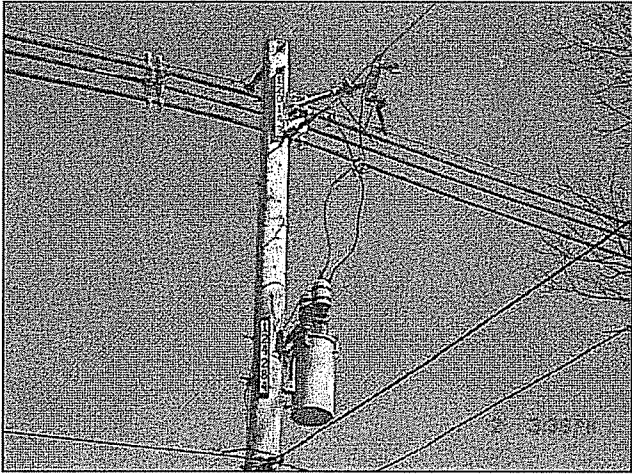


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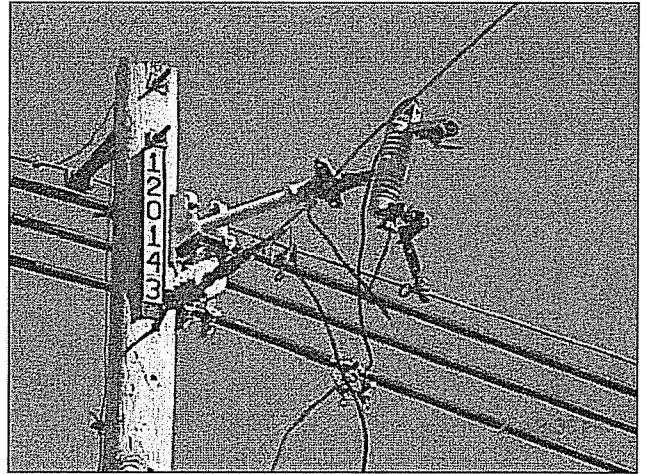


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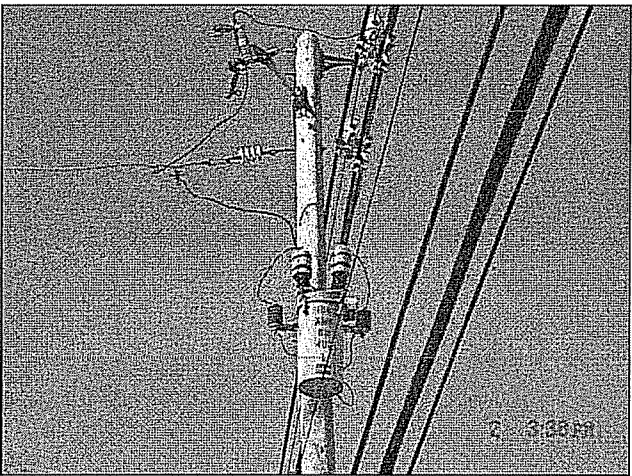


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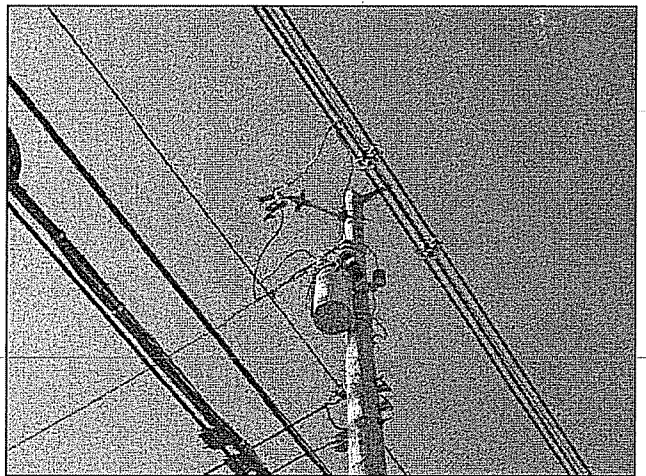


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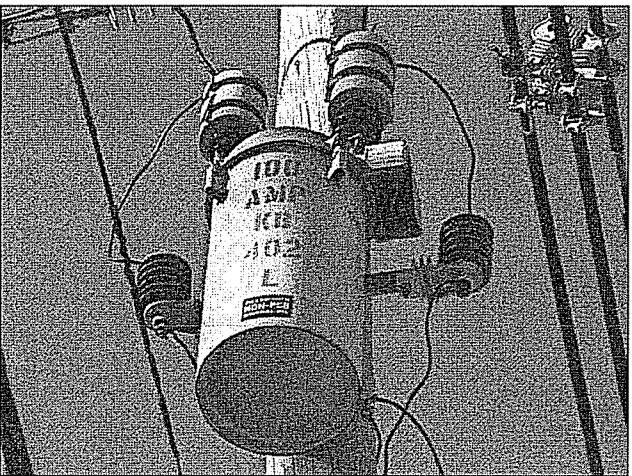


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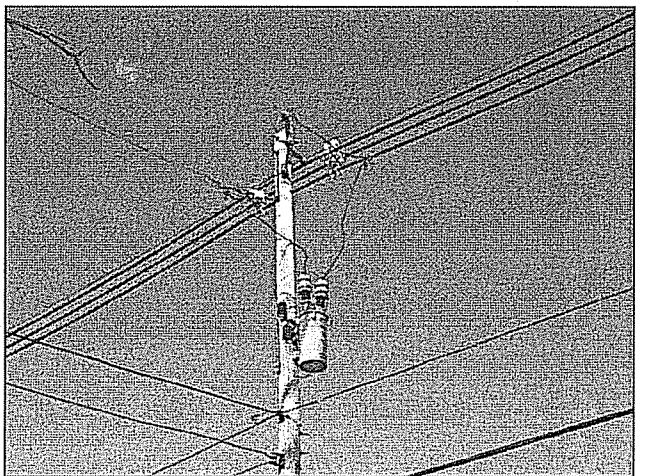


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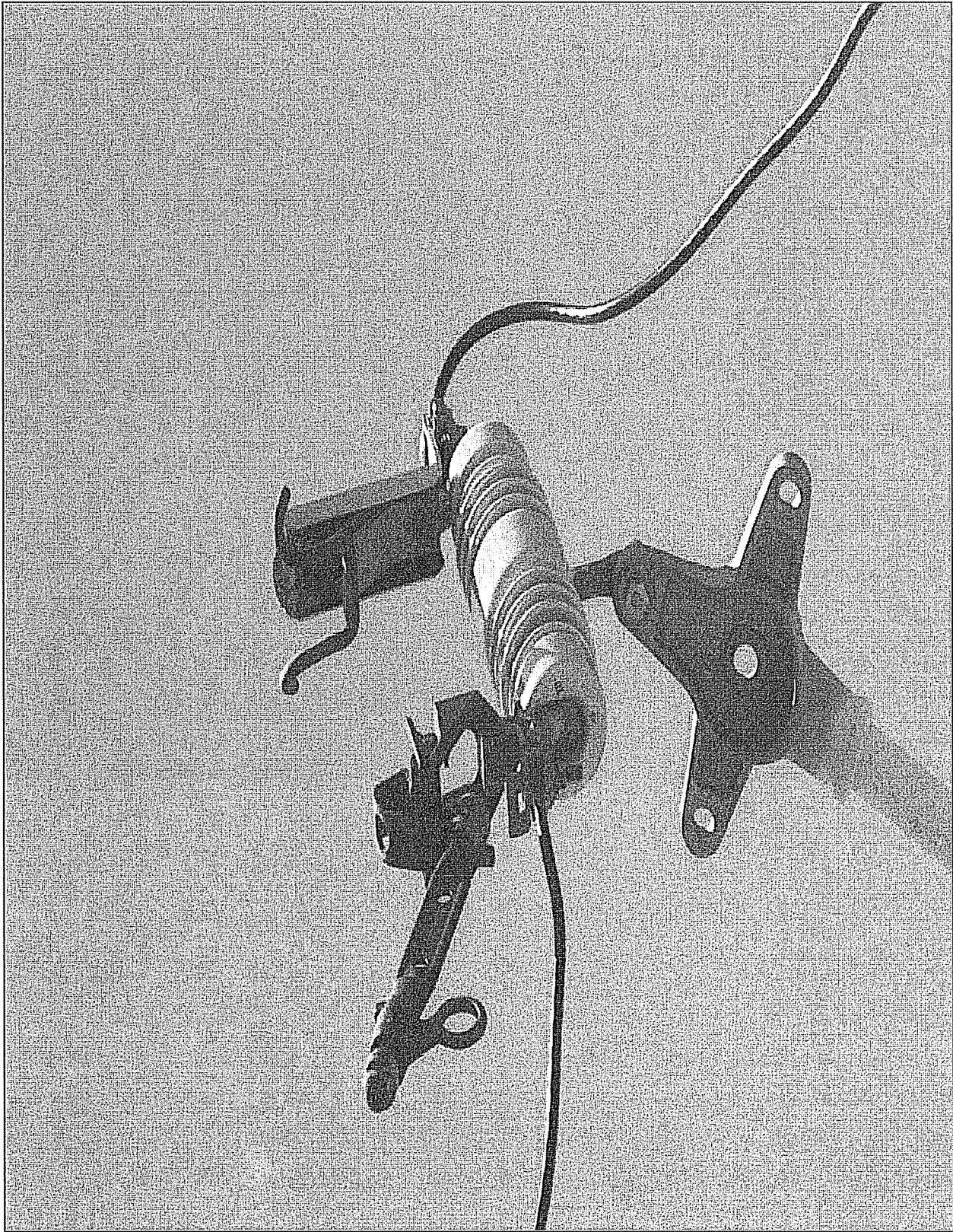


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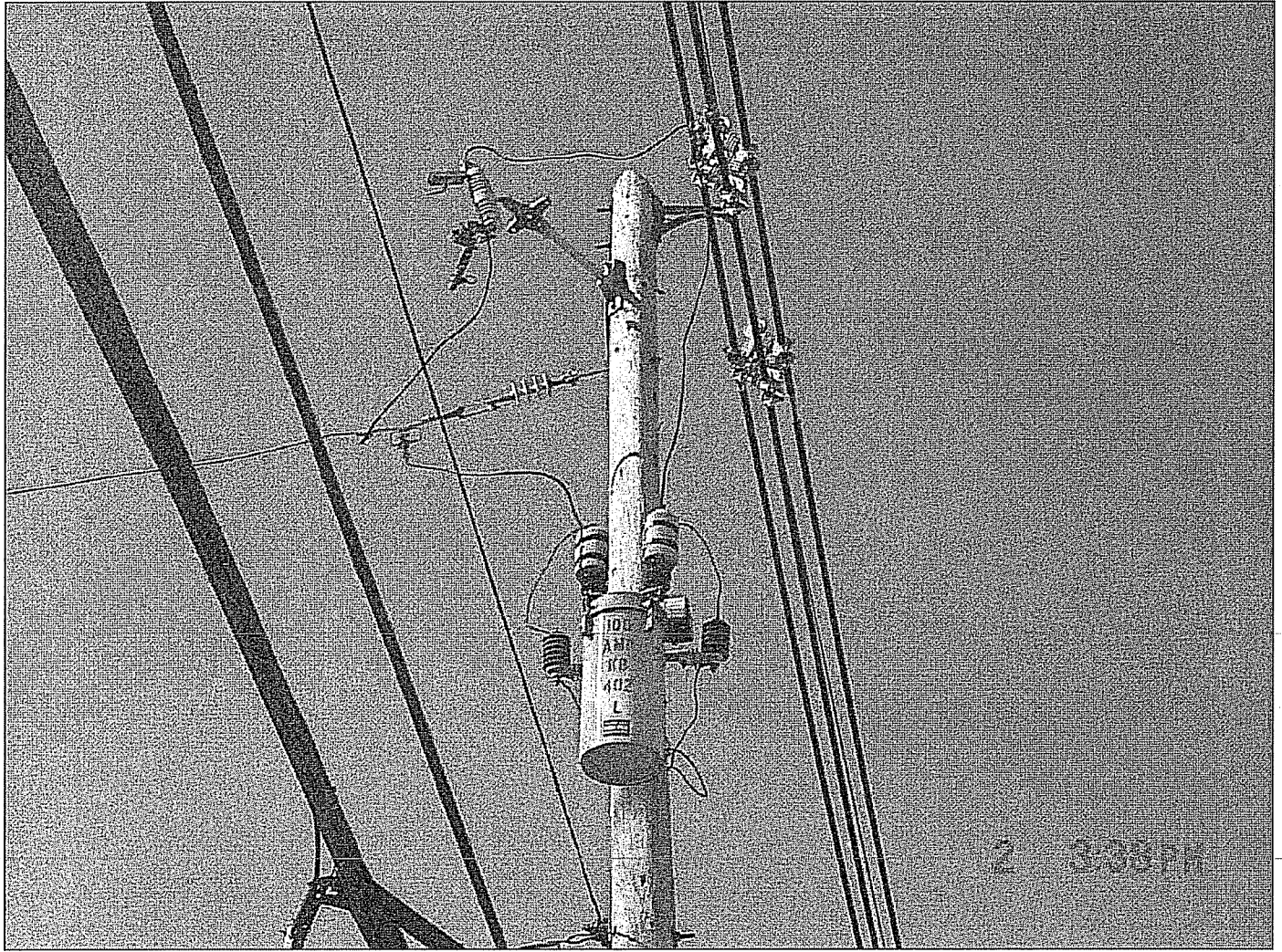


Photo 22



# Kentucky Public Service Commission

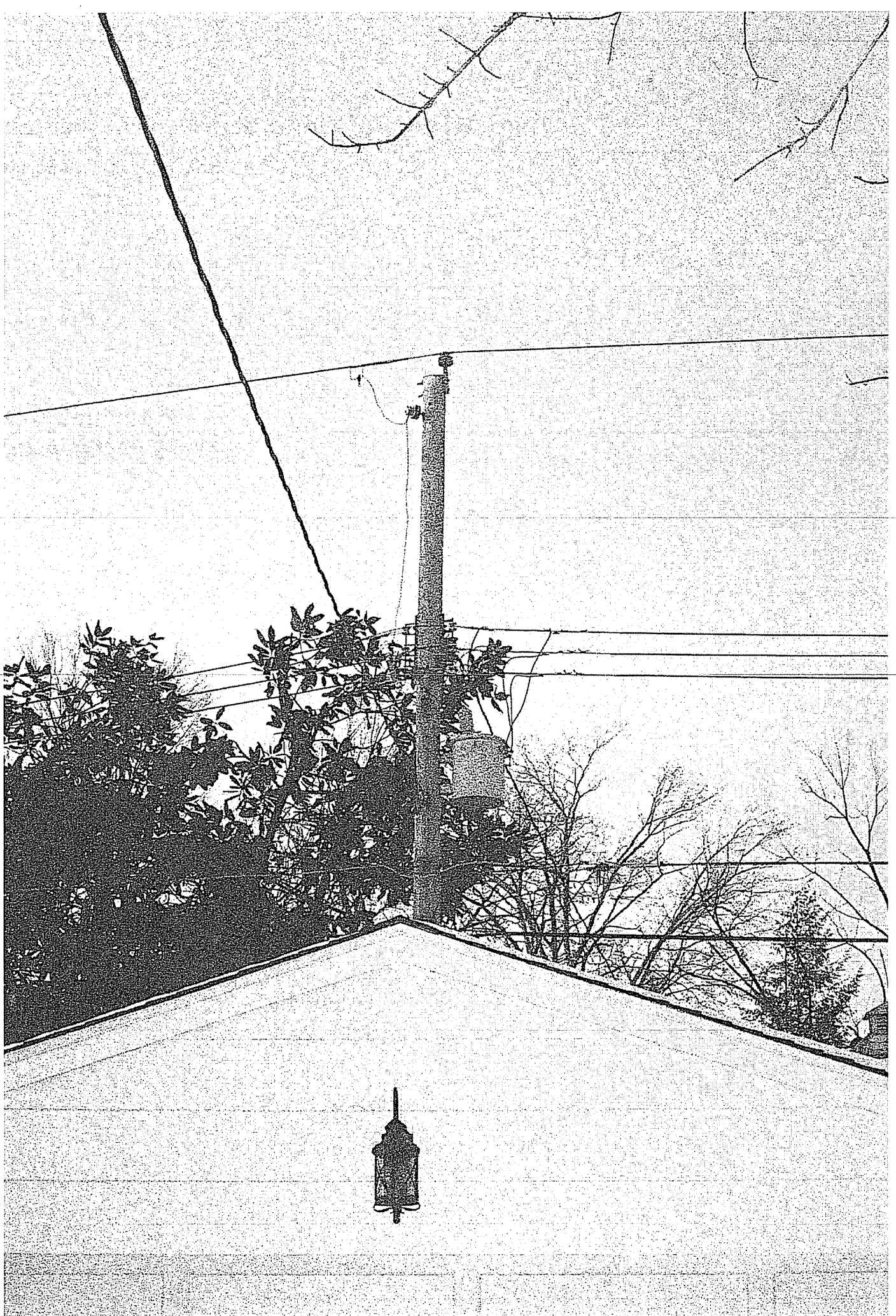
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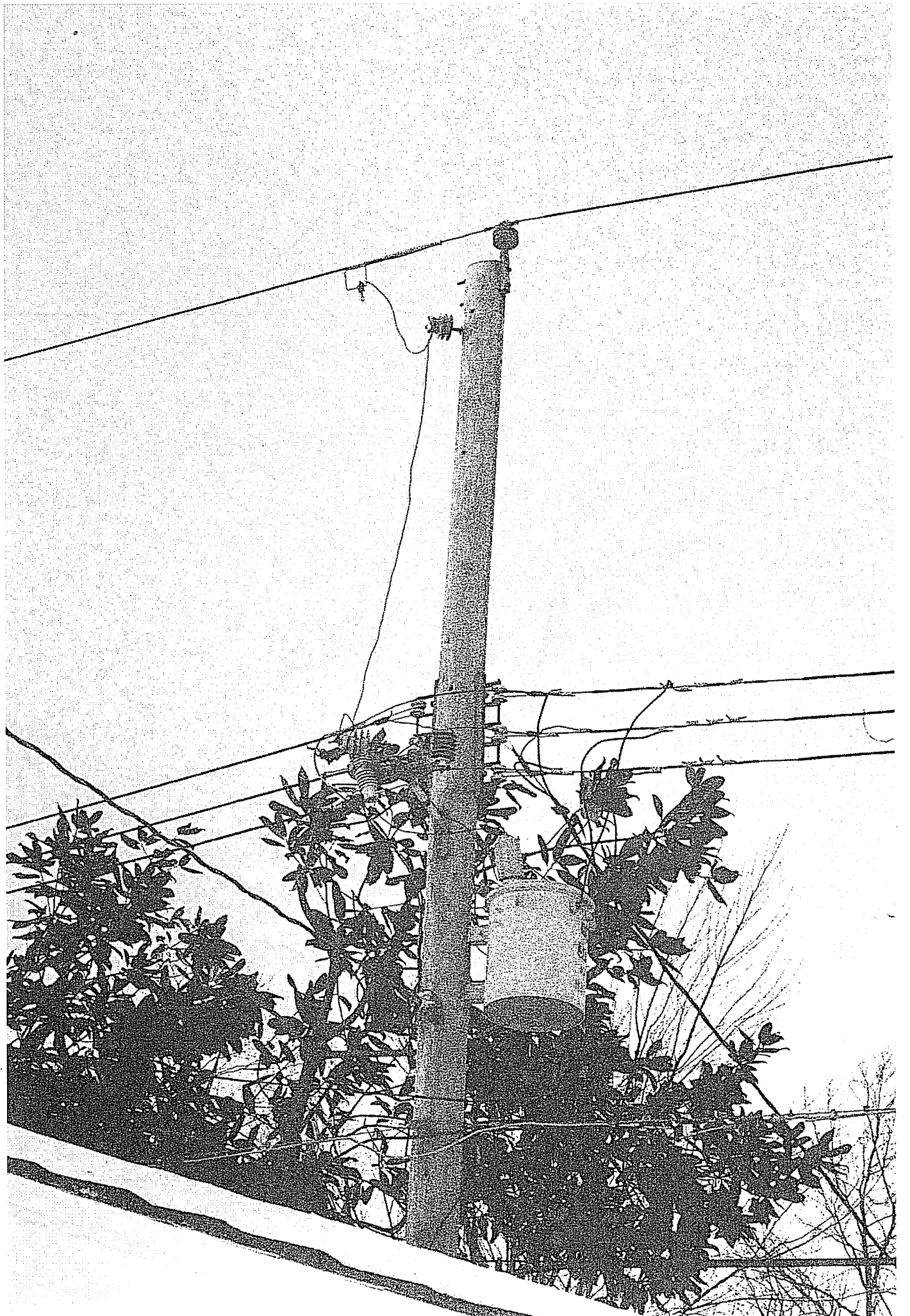
Electric Utility Incident Report

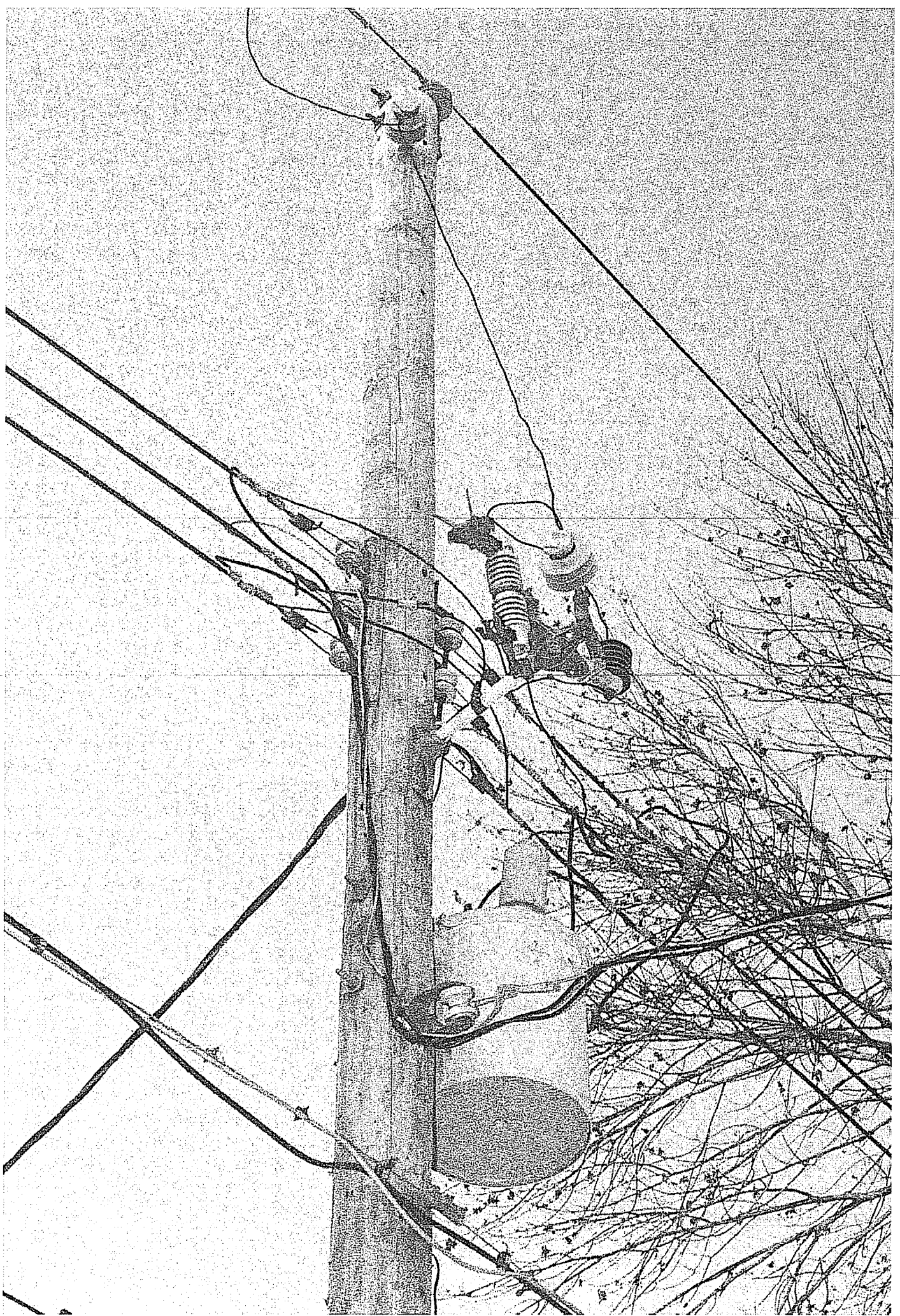
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## **Attachment D** **Utility Photographs**

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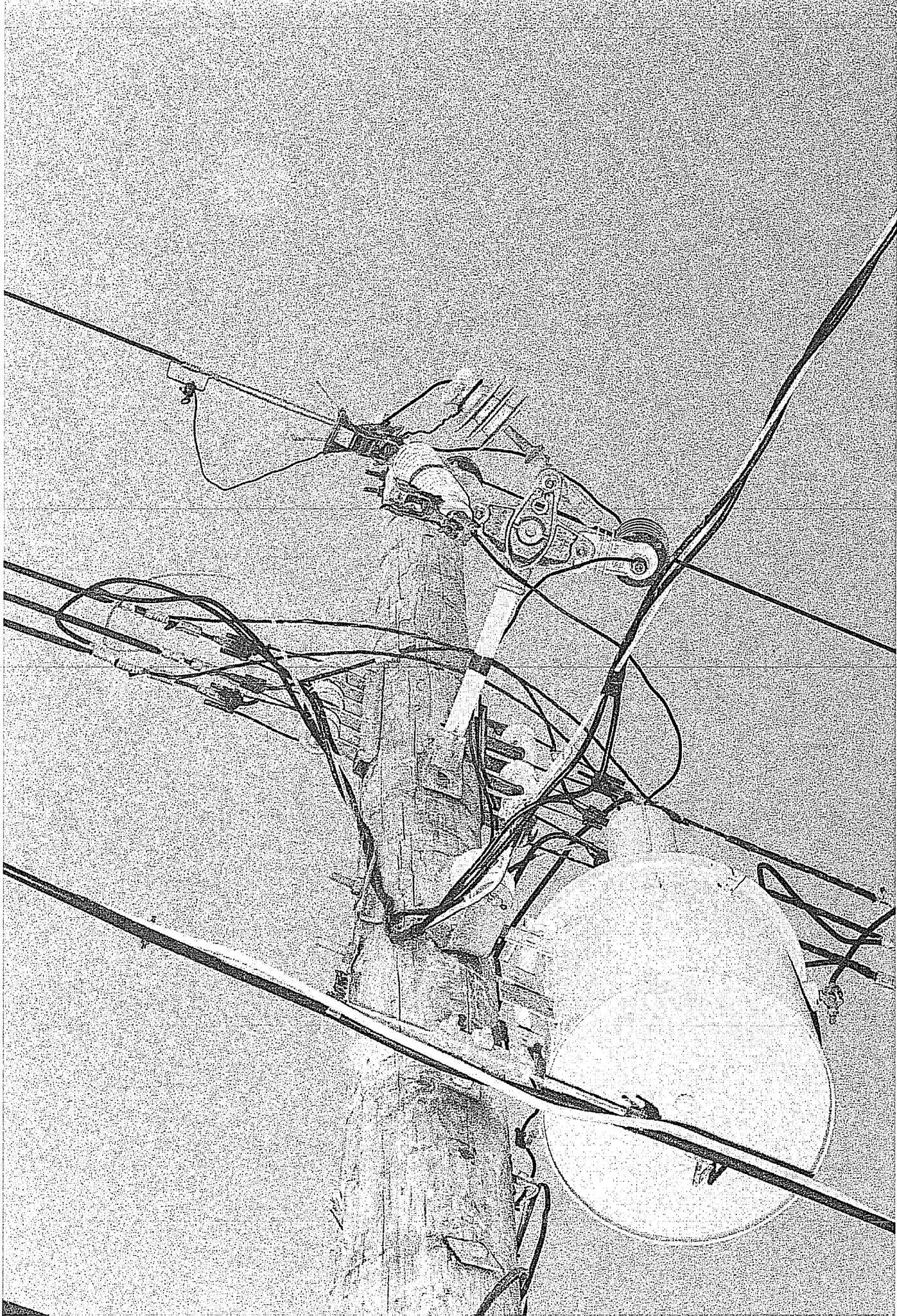


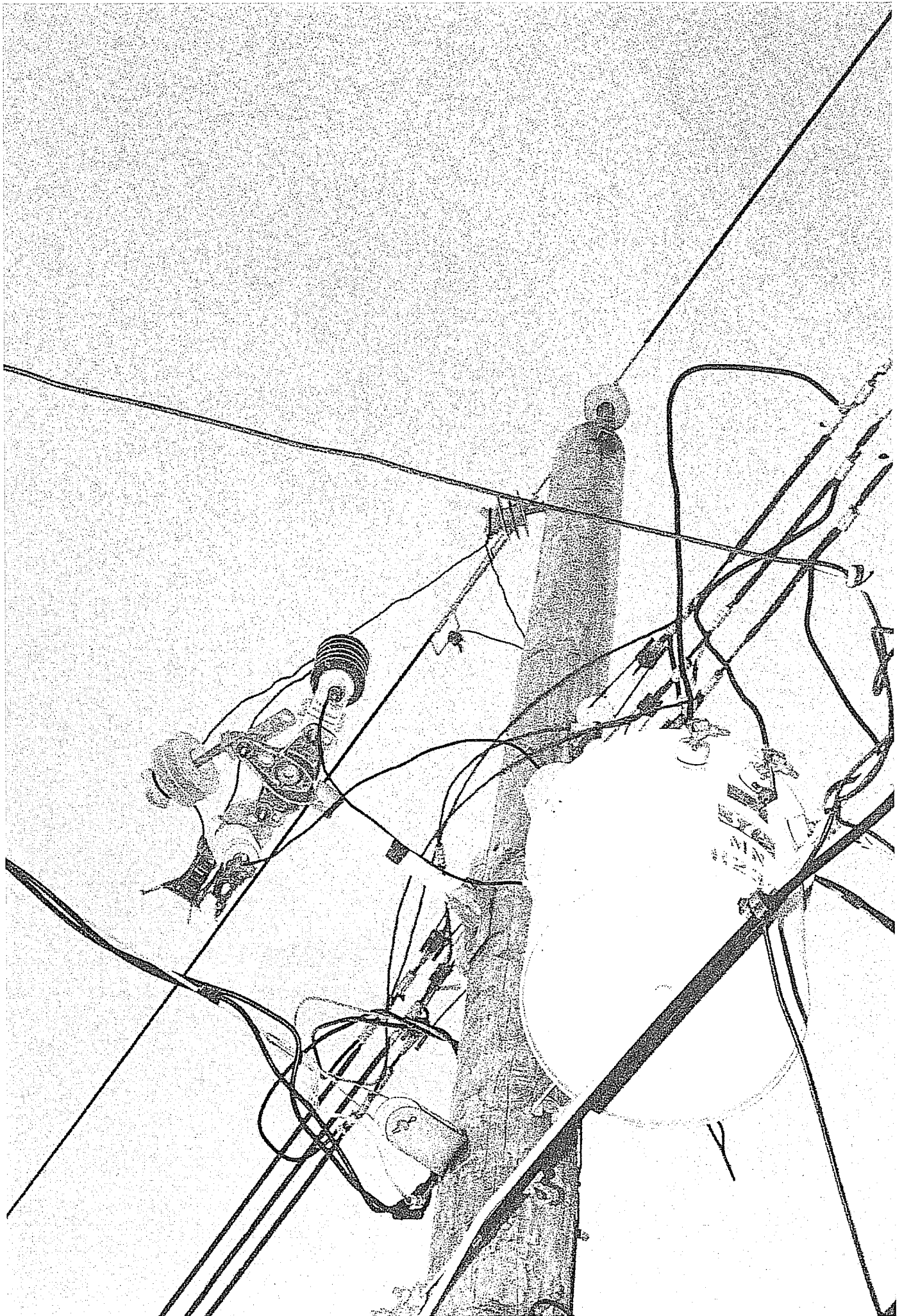


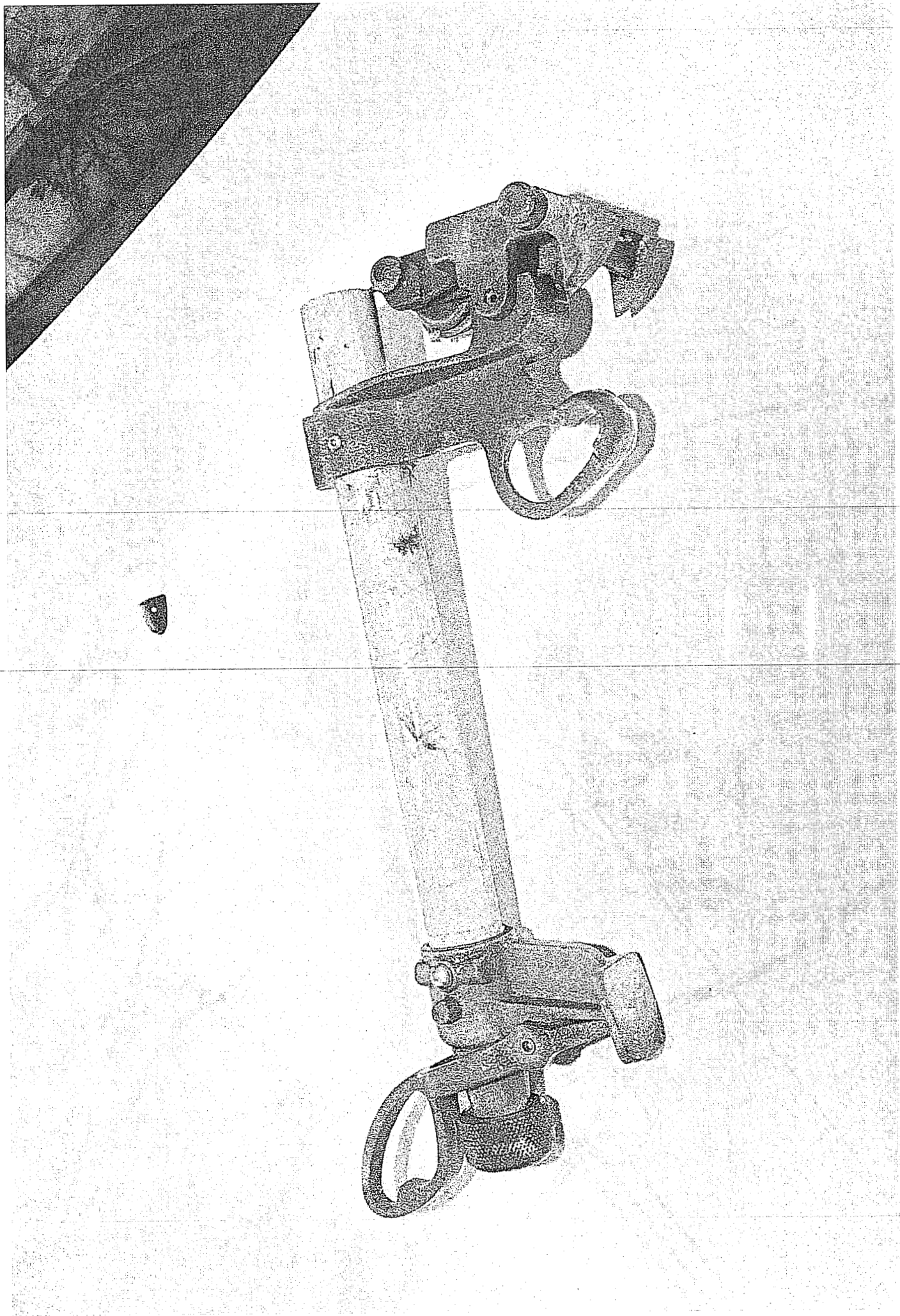


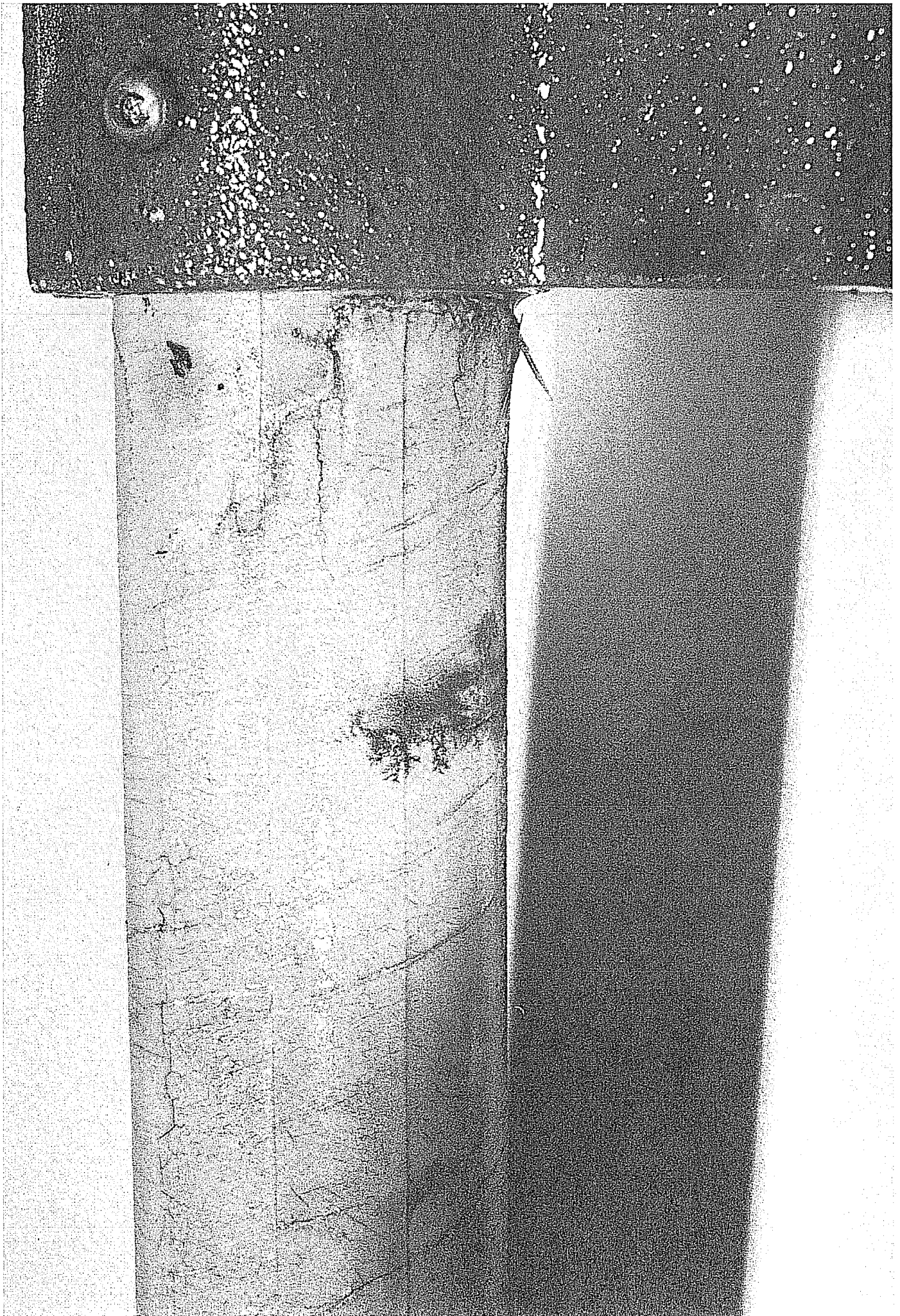


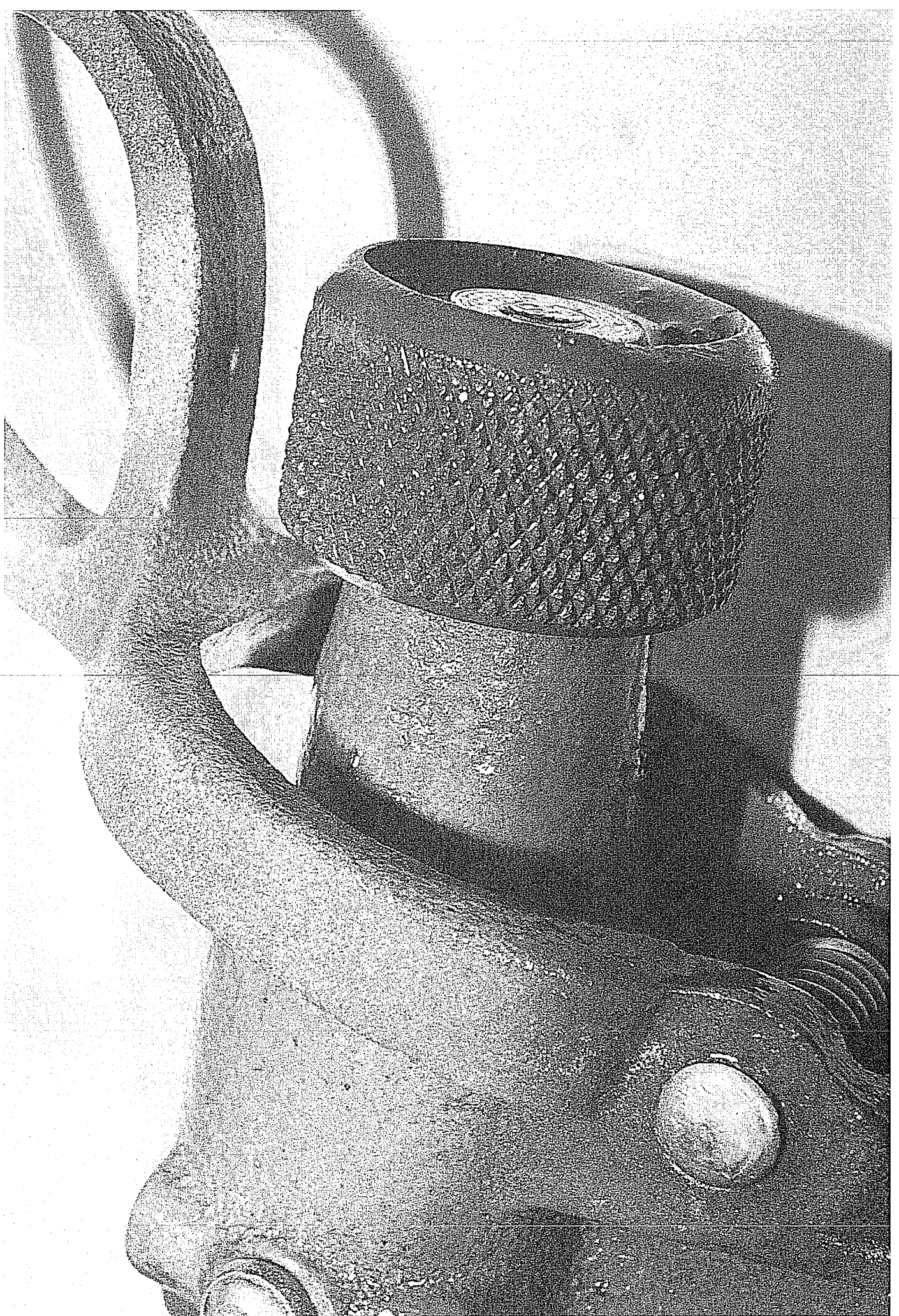


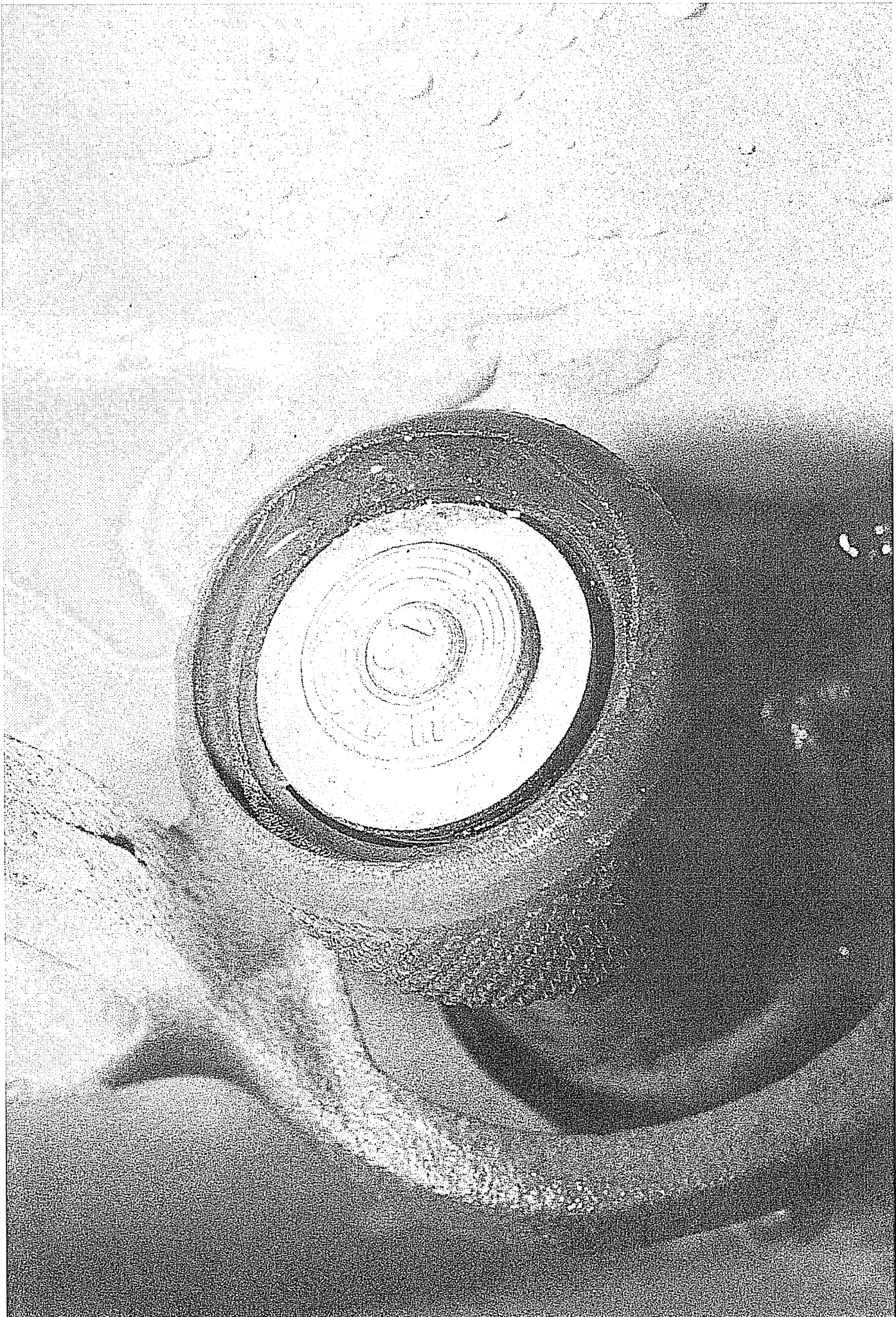




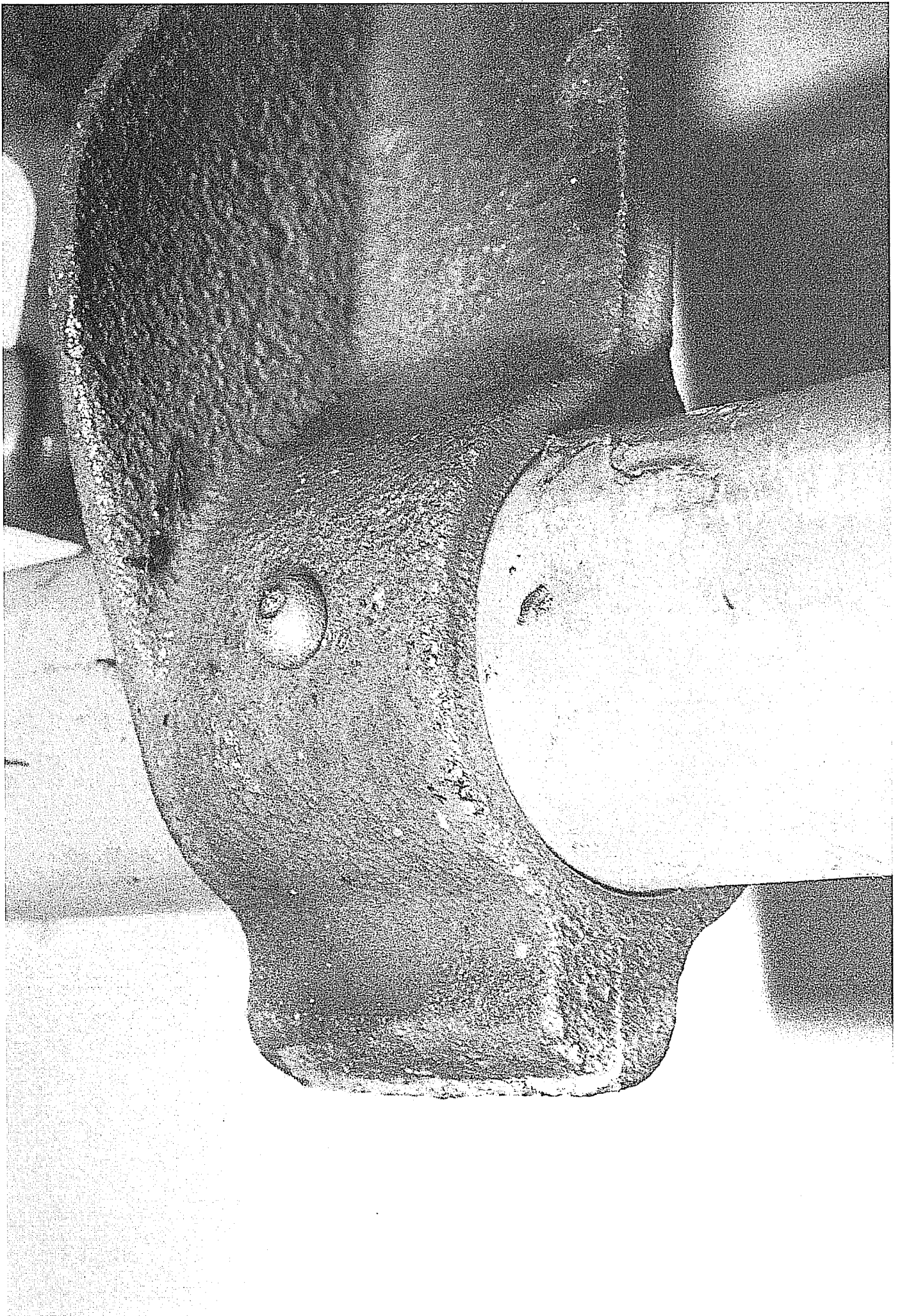




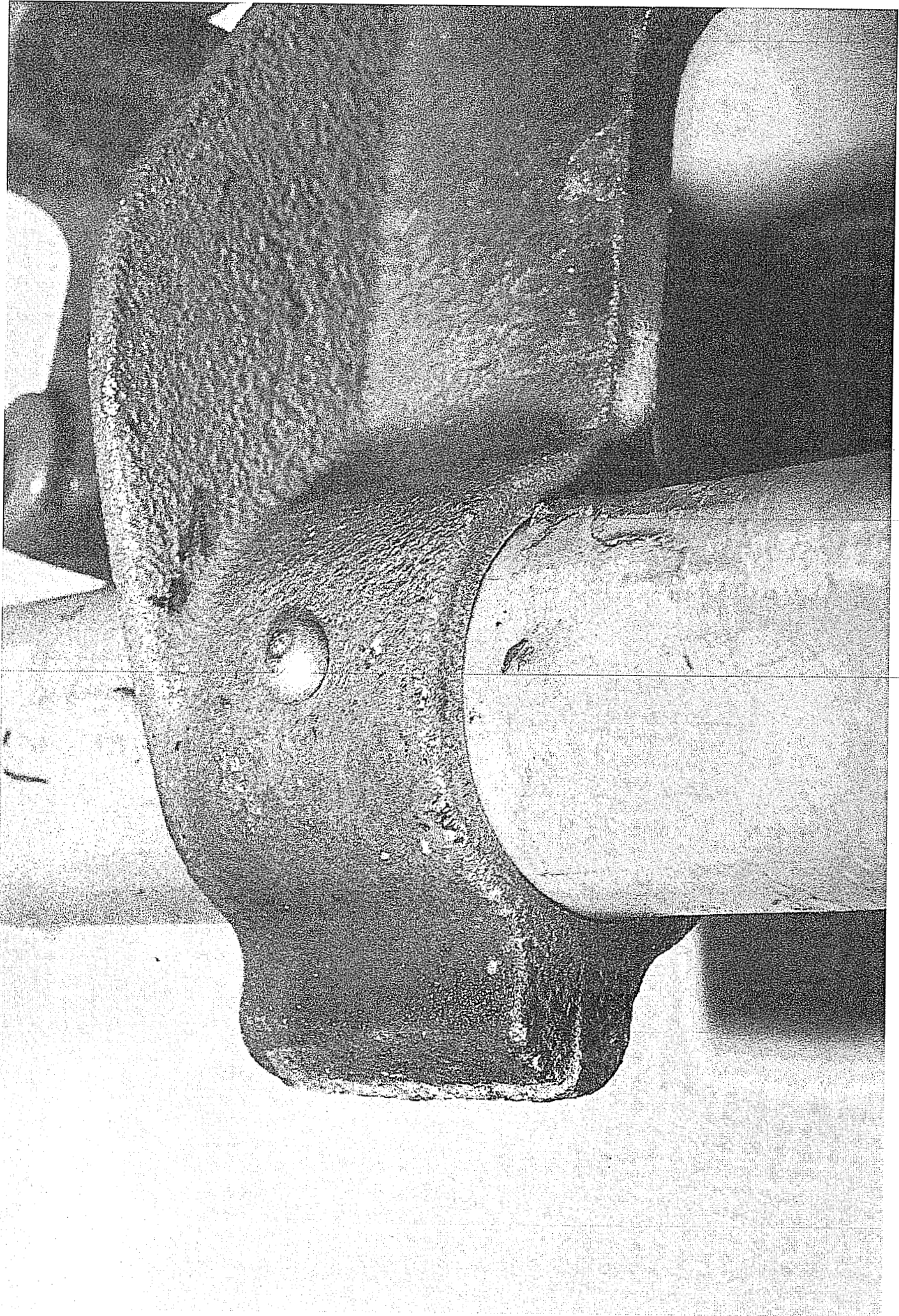












Lonnie E Bellar  
Vice President - State Regulation an  
Louisville Gas and Electric Company  
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Louisville, KY 40202