EA02-025

FORD 10/27/03

APPENDIX N

BOOK 19 OF 61

PART 1 OF 3

[illegible]Quant results, Created at 2:03:10 PM on 1/2[illegible]
Operator: Patrick Ratios
Client: Greg Stevens
Job: 960[illegible]
Spectrum label: Bcup1

System resolution = .101 eV

Quantitative method: ZAF (3 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :
Si K Quartz 01/12/93
P K GaP 29/11/91
S K FeS2 01/12/93
K K MAD-10 02/12/93
Ca K Wollan 23/11/91
Fe K Fe 01/12/93
Cu K Cu 01/12/93
Zn K Zn 01/12/93

Elmt	Spect. Type	Element %	Atomic %
Si K	SD	0.72	1.57
P K	SD	2.51	4.98
S K	SD	0.52	0.99
K K	SD	0.38	0.59
Ca K	SD	0.38	0.59
Fe K	SD	1.47	1.60
Cu K	SD	72.66	69.77
Zn K	SD	21.34	19.92
Total		100.06	100.00

* = <2 Sigma

Fit Indices

Si K	0.5
P K	0.2
S K	0.5
K K	0.1
Ca K	0.1
Fe K	0.8
Cu K	2.5
Zn K	1.7

[illegible]Quant results. Listed at 2:09:03 [illegible]
Operator: Patrick Mallon
Client: Greg Stevens
Job: 9900220
Spectrum label: [illegible]

System resolution = 143 eV

Quantitative method: ZAF (3 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :
Al K Al2O3 23/11/93
Si K Quartz 01/12/93
P K GaP 29/11/93
K K KAlSi3O8 02/12/93
Ca K Wollas 23/11/93
Ti K Ti 01/12/93
Fe K Fe 01/12/93
Cu K Cu 01/12/93
Zn K Zn 01/12/93

Elmt	Spect. Type	Element %	Atomic %
Al K	ED	6.01	8.27
Si K	ED	24.80	32.91
P K	ED	17.31	20.67
K K	ED	0.67	0.64
Ca K	ED	21.96	20.36
Ti K	ED	0.59	0.46
Fe K	ED	1.11	0.74
Cu K	ED	20.30	11.87
Zn K	ED	7.34	4.17
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Al K	0.0
Si K	0.3
P K	1.4
K K	0.4
Ca K	0.3
Ti K	0.2
Fe K	0.5
Cu K	0.5
Zn K	0.4

3713 2989

SEM point results. Listed at 2:07:10 PM on 12/2/96
Operator: Patrick Nelson
Client: Greg Stevens
Job: 990022c
Spectrum label: BPart2

System resolution = 161 eV

Quantitative method: ZAF (3 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :
Al K Al2O3 23/11/93
Si K Quartz 01/12/93
P K GaP 29/11/93
S K FeS2 01/12/93
Cl K KCl 15/02/94
K K MAD-10 02/12/93
Ca K Wollas 23/11/93
Cr K Cr 01/12/93
Fe K Fe 01/12/93
Cu K Cu 01/12/93
Zn K Zn 01/12/93

Elmt	Spect. Type	Element %	Atomic %
Al K	ED	2.79	4.80
Si K	ED	5.55	9.19
P K	ED	18.63	27.97
S K	ED	1.83	2.65
Cl K	ED	0.77	1.01
K K	ED	3.74	4.45
Ca K	ED	1.28	1.48
Cr K	ED	1.96	1.76
Fe K	ED	4.41	4.58
Cu K	ED	51.11	37.55
Zn K	ED	7.81	5.56
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Al K	0.1
Si K	1.0
P K	1.2
S K	0.5
Cl K	0.2
K K	0.2
Ca K	0.2
Cr K	0.4

Fe K [illegible]
Cu K [illegible]
Rb K [illegible]

3713 2881

SEMQuant results. Listed at 2:11:24 PM on 1/[illegible]/96
Operator: Patrick Hanlon
Client: Greg Stevens
Job: 9900224
Spectrum label: BPort 1

System resolution - 131 eV

Quantitative method: ZAF (3 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :
Al K Al2O3 21/11/93
Si K Quartz 01/12/91
P K GaP 29/11/91
Cl K KCl 15/02/94
Ca K Wollas 29/11/91
Ti K Ti 01/12/93
Fe K Fe 01/12/91
Cu K Cu 01/12/91
Zn K Zn 01/12/91

Elmt	Spect. Type	Element %	Atomic %
Al K	ED	7.94	10.23
Si K	ED	32.94	40.78
P K	ED	10.78	12.11
Cl K	ED	0.80	0.78
Ca K	ED	30.88	26.79
Ti K	ED	0.85	0.62
Fe K	ED	1.64	1.02
Cu K	ED	7.92	4.13
Zn K	ED	6.26	3.73
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Al K	0.1
Si K	0.2
P K	2.0
Cl K	0.6
Ca K	1.3
Ti K	0.4
Fe K	0.5
Cu K	0.6
Zn K	0.6

[illegible] results. Stored at 2:13:41 PM on 1/29/99
Operator: Patrick Nation
Client: Greg Stevens
Job: 9901226
Spectrum label: RPort4

System resolution = 101 eV

Quantitative method: ZAF (2 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :
Al K Al2O3 24/11/93
Si K Quartz 01/12/94
Ca K Wollas 23/11/94

Elmt	Spect. Type	Element %	Atomic %
Al K	ED	46.08	51.99
Si K	ED	46.90	53.58
Ca K	ED	07.01	04.43
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Al K	0.1
Si K	0.1
Ca K	0.1

3713 2809

SEMQuant results. Listed at [illegible] on [illegible]
Operator: Patrick Healey
Client: Greg Stevens
Job: 990022c
Spectrum label: CCup1

System resolution = 103 eV

Quantitative method: ZAF (2 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :
Fe K Fe 01/12/93
Zn K Zn 01/12/93

Elmt	Spect. Type	Element %	Atomic %
Fe K	ED	96.10	96.65
Zn K	ED	3.90	3.35
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Fe K	4.1
Zn K	0.5

[illegible] results. Listed at 2:18:57 PM on 1/29/99
Operator: Patrick Burton
Client: Greg Stevens
Job: 4900226
Spectrum label: Comp2

System resolution 0.0 eV

Quantitative method: ZAF (3 iterations).
 Analysed all elements and normalised results.

 1 peak possibly omitted: 0.00 keV

Standards :
 Si K Quartz 01/12/91
 S K FeS2 01/12/91
 Ca K Wollas 23/11/93
 Cr K Cr 01/12/91
 Fe K Fe 01/12/91
 Cu K Cu 01/12/91
 Zn K Zn 01/12/91

Elmt.	Spect. Type	Element %	Atomic %
Si K	KD	0.55	1.23
S K	KD	0.26	0.51
Ca K	KD	0.50	0.78
Cr K	KD	1.06	1.29
Fe K	KD	11.10	12.53
Cu K	KD	7.25	7.19
Zn K	KD	79.28	76.47
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Si K	0.8
S K	1.2
Ca K	0.4
Cr K	0.6
Fe K	1.1
Cu K	1.4
Zn K	1.1

SiZQuant results, Issued at 2:21:39 PM on 1/29/96
Operator: Patrick Nallon
Client: Greg Stevens
Job: 9900?2c
Spectrum label: C:\spt

System resolution = 161 eV

Quantitative method: ZAF (2 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :
Al K Al2O3 23/11/93
Si K Quartz 01/12/93
Ca K Wollas 23/11/93
Cr K Cr 01/12/93
Fe K Fe 01/12/93
Cu K Cu 01/12/93
Zn K Zn 01/12/93

Elmt	Spect. Type	Element %	Atomic %
Al K	BD	0.40	0.94
Si K	BD	0.29	0.66
Ca K	BD	0.30	0.48
Cr K	BD	0.75	0.91
Fe K	BD	9.70	10.99
Cu K	BD	12.32	12.27
Zn K	BD	76.23	73.76
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Al K	0.3
Si K	0.1
Ca K	0.2
Cr K	0.4
Fe K	0.3
Cu K	0.6
Zn K	0.9

EDXQuant results. Listed at 3:20:04 PM on 1:24:95
Operator: Patrick Hanlon
Client: Greg Stevens
Job: 9504228
Spectrum label: CCup4

System resolution - 161 eV

Quantitative method: ZAF (2 iterations).
 Analysed all elements and normalized results.

 1 peak possibly omitted: 0.00 keV

Standards :
 S K   FeS2 01/12/91
 Fe K   Fe 01/12/91
 Cu K   Cu 01/12/91
 Zn K   Zn 01/12/91

Elm	Spect. Type	Element %	Atomic %
S K	RU	9.16	9.29
Fe K	RU	88.45	89.80
Cu K	RU	1.18	1.05
Zn K	RU	1.21	0.85
Total		100.00	100.00

* = <2 Sigma

Fit Indices	
S K	0.3
Fe K	2.4
Cu K	0.5
Zn K	0.5

[illegible]Quant results, listed at 2:11:16 PM on 1/26/99
Operator: Patrick Norton
Client: Greg Gwynn
Job: 9900226
Spectrum label: CPort1

System resolution = 161 eV

Quantitative method: ZAF (2 iterations).
 Analysed all elements and normalised results.

 1 peak possibly omitted: 6.06 keV

Standards :
 S K   FeS2 01/12/91
 Fe K   Fe 01/12/91
 Cu K   Cu 01/12/91
 Zn K   Zn 01/12/91

Elmt	Spect. Type	Element %	Atomic %
S K	KD	0.52	0.91
Fe K	KD	95.37	95.56
Cu K	KD	0.28	0.60
Zn K	KD	1.44	2.94
Total		100.00	100.00

* = <2 Sigma

Fit Indices

S K 0.5
Fe K 2.4
Cu K 0.2
Zn K 0.3

[illegible] results. Logged at 2:17:48 PM on 1/25/99
Operator: Patrick Burton
Client: Greg Stevens
Job: 9900226
Spectrum label: CPost2

System resolution = 101 eV

Quantitative method: ZAF (2 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :
S K FeS2 01/12/93
Mn K Mn 01/12/93
Fe K Fe 01/12/93
Cu K Cu 01/12/93
Zn K Zn 01/12/93

Elmt	Spect. Type	Element %	Atomic %
S K	KD	0.45	0.86
Mn K	KD	0.46	0.48
Fe K	KD	89.63	90.57
Cu K	KD	0.56	0.56
Zn K	KD	8.80	7.59
Total		100.00	100.00

* = <2 sigma

Fit Indices

S K	0.1
Mn K	4.4
Fe K	1.9
Cu K	0.4
Zn K	0.6

3713 2899

SEMQuant results. Lasted at 2:17:10 PM on 12/29/99
Operator: Patrick Hutton
Client: Greg Stevens
Job: 9901227a
Spectrum label: Part 1

System resolution -- 163 eV

Quantitative method: ZAF (2 iterations).
 Analysed all elements and normalised results.

 1 peak possibly omitted: 0.00 keV

Standards :
 Al K   Al2O3 23/11/93
 Si K   Quartz 01/12/93
 S K   FeS2 01/12/93
 Fe K   Fe 01/12/93
 Cu K   Cu 01/12/93
 Zn K   Zn 01/12/93

Elmt	Spect. Type	Element %	Atomic %
Al K	ED	0.50	1.03
Si K	ED	0.31	0.61
S K	ED	1.07	1.86
Fe K	ED	82.28	82.63
Cu K	ED	10.98	9.69
Zn K	ED	4.87	4.18
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Al K	0.3
Si K	0.2
S K	3.0
Fe K	2.1
Cu K	0.4
Zn K	0.5

3713 2500

SMQuant results. Lastrel at 2:49:59 PM on 1/25/94
Operator: Patrick Harlan
Client: Greg Stevens
Job: 9900226
Spectrum label: Spot 4

System resolution = 161 eV

Quantitative method: EAF (2 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :

Al	K	Al2O3 23/11/93
S	K	MoS2 01/12/93
K	K	HAD-10 02/12/93
Cr	K	Cr 01/12/93
Fe	K	Fe 01/12/93
Cu	K	Cu 01/12/93
Zn	K	Zn 01/12/93

Elmt	Spect. Type	Element %	Atomic %
Al K	ED	0.79	1.64
S K	ED	1.92	1.37
K K	ED	0.21	0.30
Cr K	ED	1.41	1.53
Fe K	ED	70.45	70.99
Cu K	ED	22.91	20.27
Zn K	ED	2.21	1.90
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Al	K	0.2
S	K	0.4
K	K	0.1
Cr	K	1.4
Fe	K	1.6
Cu	K	1.1
Zn	K	1.2

3713 2901

[illegible]Quant results, listed at 2:50:42 PM on 1/29/96
Operator: Patrick Heelan
Client: Greg Stevens
Job: 9900221
Spectrum label: Unpl

System resolution - 161 eV

Quantitative method: XAP (2 iterations).
 Analysed all elements and normalised results.

 1 peak possibly omitted: 0.00 keV

Standards :
 Si K Quartz 01/12/93
 S K FeS2 01/12/93
 K K MAD-10 02/12/93
 Fe K Fe 01/12/93
 Cu K Cu 01/12/93
 Zn K Zn 01/12/93

Elmt	Spect. Type	Element %	Atomic %
Si K	ED	0.66	1.45
S K	ED	0.55	1.06
K K	ED	5.08	7.98
Fe K	ED	3.05	3.15
Cu K	ED	37.11	35.87
Zn K	ED	53.53	50.28
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Si K	0.1
S K	1.0
K K	1.1
Fe K	0.1
Cu K	1.3
Zn K	0.7

SEMQuant results. Listed at 2:51:22 PM on 1/29/96
Operator: Patrick Hatlos
Client: Greg Stevens
Job: 9960226
Spectrum label: temp2

System resolution = 101 eV

Quantitative method: ZAF (2 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :
Si K Quartz 01/12/93
S K FeS2 01/12/93
K K MAD-10 02/12/93
Fe K Fe 01/12/93
Cu K Cu 01/12/91
Zn K Zn 01/12/91

Elmt	Spect. Type	Element %	Atomic %
Si K	RD	0.15	0.34
S K	RD	0.22	0.44
K K	RD	1.59	2.57
Fe K	RD	0.64	0.73
Cu K	RD	58.92	58.68
Zn K	RD	38.47	37.24
Total		100.00	100.00

* = 2 Sigma

Fit Indices

Si K	0.4
S K	0.1
K K	2.6
Fe K	0.2
Cu K	3.8
Zn K	2.5

3713 2903

SEMQuant results. Listed at 2:55:17 PM on 1/26-96
Operator: Patrick Horton
Client: Greg Stevens
Job: 940622c
Spectrum label: Map1

System resolution = 164 eV

Quantitative method: ZAF (3 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :

Al K	Al2O3 23/11/93
S K	FeS2 01/12/93
K K	MAD-10 02/12/93
Ca K	Wollas 23/11/93
Fe K	Fe 01/12/93
Cu K	Cu 01/12/93
Zn K	Zn 01/12/93

Elmt	Spect. Type	Element %	Atomic %
Al K	ED	3.26	7.26
S K	ED	0.82	1.54
K K	ED	1.57	2.42
Ca K	ED	1.16	1.74
Fe K	ED	1.70	1.83
Cu K	ED	42.46	40.66
Zn K	ED	49.13	45.16
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Elmt	Fit
Al K	0.1
S K	0.5
K K	0.6
Ca K	1.1
Fe K	0.1
Cu K	1.2
Zn K	0.9

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SAXQuant results, Listed at 2:57:37 PM on 1/29/96
Operator: Patrick Harlen
Client : Greg Stevens
Job: 960022L
Spectrum label: 0xup4

System resolution =  161 eV

Quantitative method: EAF ( 2 iterations).
 Analysed all elements and normalised results.

 1 peak possibly omitted: 0.00 keV

Standards :
 S  K      FeS2 01/12/93
 K  K      MAD-10 02/12/91
 Fe K      Fe 01/12/93
 Cu K      Cu 01/12/91
 Zn K      Zn 01/12/91


Elmt    Spect.  Element    Atomic
        Type      %          %
S  K      SD      0.46       0.87
K  K      SD      8.98      11.80
Fe K      SD      0.24       0.69
Cu K      SD     32.84      31.43
Zn K      SD     57.18      53.20
Total           100.00     100.00

* = <2 sigma

Fit Indices
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S  K     0.2
K  K     0.1
Fe K     0.6
Cu K     1.8
Zn K     1.4
```

8716 2806

SEMQuant results. Listed at [illegible]

Operator: Patrick Nellon

Client: Greg Stevens

Job: 990422e

Spectrum label: [illegible]

System resolution = 103 eV

Quantitative method: ZAF (2 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :

Si K	Quartz 01/12/93
Fe K	Fe 01/12/93
Cu K	Cu 01/12/93
Zn K	Zn 01/12/93
Ag L	Ag 01/12/93

Elmt	Spect. Type	Element %	Atomic %
Si K	ED	0.29	0.75
Fe K	ED	0.70	1.01
Cu K	ED	65.52	74.37
Zn K	ED	3.54	3.90
Ag L	ED	29.87	19.97
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Si K	6.8
Fe K	0.6
Cu K	2.8
Zn K	0.6
Ag L	1.9

3713 2508

SEMQuant results, Issued at 3:02:21 PM on 1/29/99
Operator: Patrick Harlos
Client: Greg Stevens
Job: 990029c
Spectrum label: 990127.12

System resolution = 143 eV

Quantitative method: XAF (2 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 8.00 keV

Standards :
Fe K Fe 01/12/99
Cu K Cu 01/12/99
Zn K Zn 01/12/99
Ag L Ag 01/12/99

Elmt	Spect. Type	Element %	Atomic %
Fe K	KD	0.56	0.68
Cu K	KD	59.49	63.77
Zn K	KD	25.14	26.19
Ag L	LD	14.82	9.36
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Fe K	0.9
Cu K	0.6
Zn K	0.2
Ag L	0.9

SEMQuant results, Listed at 5:04:09 PM on 1/29/93
Operator: Patrick Nailon
Client: Greg Stevens
Job: 990022c
Spectrum label: PConract 3

System resolution = 143 eV

Quantitative method: ZAF (2 iterations).
 Analysed all elements and normalised results.

 1 peak possibly omitted: 0.00 keV

Standards :

Si K	Quartz 01/12/93
Fe K	Fe 01/12/93
Cu K	Cu 01/12/93
Zn K	Zn 01/12/93
Ag L	Ag 01/12/93

Elmt	Spect. Type	Element %	Atomic %
Si K	ED	0.20	0.47
Fe K	ED	0.86	1.00
Cu K	ED	66.25	67.46
Zn K	ED	29.40	29.10
Ag L	ED	3.29	1.97
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Si K	0.4
Fe K	0.5
Cu K	2.9
Zn K	1.8
Ag L	2.0

3713 2908

SEMQuant results. Listed at 3:05:15 PM on 1/29/99
Operator: Patrick Nation
Client: Greg Stevens
Job: 990n22e
Spectrum label: [illegible]

System resolution = 104 eV

Quantitative method: ZAF (2 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :

Si K	Quartz 01/12/93
Fe K	Fe 01/12/93
Cu K	Cu 01/12/93
Zn K	Zn 01/12/93
Ag L	Ag 01/12/93

Elmt	Spect. Type	Element %	Atomic %
Si K	ED	0.28	0.74
Fe K	ED	1.18	1.56
Cu K	ED	44.42	51.70
Zn K	ED	19.97	22.59
Ag L	ED	34.15	23.41
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Si K	0.6
Fe K	0.[illegible]
Cu K	2.1
Zn K	0.6
Ag L	1.6

3713 2909

[illegible] results. Printed at 10:7:18 [illegible]
Operator: Patrick Morlon
Client: Greg Stevens
Job: 9400226
Spectrum label: Sap1

System resolution = 161 eV

Quantitative method: ZAF (2 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :
K K MAP-10 02/12/91
Cu K Cu 01/12/91
Zn K Zn 01/12/91

Elm	Spect. Type	Element %	Atomic %
K K	RU	4.54	7.28
Cu K	RU	39.28	38.79
Zn K	RU	56.18	53.92
Total		100.00	100.00

* = <2 Sigma

Fit Indices

K K	0.5
Cu K	2.2
Zn K	1.3

[illegible] results. Logged at 3:09:44 PM on 1/20/94
Operator: Patrick Nation
Client: Greg Stevens
Job: 980022c
Spectrum label: #Cup2

System resolution = 103 eV

Quantitative method: XRF (2 iterations).
Analysed all elements and normalised results.

2 peaks possibly omitted: 0.00, 1.82 keV

Standards :
S K PeS2 01/12/93
K K MAD-10 02/12/93
Fe K Fe 01/12/91
Cu K Cu 01/12/91
Zn K Zn 01/12/91

Elmt	Spect. Type	Element %	Atomic %
S K	RD	0.23	0.46
K K	RD	0.60	0.98
Fe K	RD	0.24	0.27
Cu K	RD	73.58	73.64
Zn K	RD	25.35	24.66
Total		100.00	100.00

* = <2 Sigma

Fit Indices

S K	4.5
K K	0.4
Fe K	0.5
Cu K	3.3
Zn K	2.7

3713 2811

SEMQuant results, listed at [illegible] PM on 1/26/99
Operator: Patrick Marlon
Client: Greg Stevens
Job: 990622
Spectrum label: FCup1

System resolution [illegible] eV

Quantitative method: ZAF (2 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :

S	K	FeS2 01/12/93
K	K	MAD-10 02/12/93
Cu	K	Cu 01/12/93
Zn	K	Zn 01/12/93

Elmt	Spect. Type	Element %	Atomic %
S K	ED	0.40	0.77
K K	ED	8.41	13.21
Cu K	ED	13.72	13.26
Zn K	ED	77.46	72.75
Total		100.00	100.00

* = <2 Sigma

Fit Indices

S K	0.4
K K	0.7
Cu K	0.8
Zn K	1.1

3713 2812

[illegible]Quant results. Listed at 3:15:21 PM on 1/29/96
Operator: Patrick Nation
Client: Greg Stevens
Job: 9910222E
Spectrum label: B3sp1

System resolution : 161 eV

Quantitative method: ZAF (2 iterations),
 Analysed all elements and normalised results.

 1 peak possibly omitted: 0.00 keV

Standards :
 S K   FeS2 01/12/91
 K K   MAD-10 02/12/91
 Fe K   Fe 01/12/91
 Cu K   Cu 01/12/91
 Zn K   Zn 01/12/91

Elmt	Spect. Type	Element %	Atomic %
S K	BD	0.48	0.94
K K	BD	3.13	5.03
Fe K	BD	0.23	0.25
Cu K	BD	54.77	54.07
Zn K	BD	41.39	39.71
Total		100.00	100.00

* = <2 Sigma

Fit Indices

S K	0.4
K K	0.4
Fe K	0.8
Cu K	2.2
Zn K	2.5

3713 2913

SEMQuant results, Listed at 1:18:01 PM on 1/29/96
Operator: Patrick Marlos
Client: Greg Stevens
Job: 9906226
Spectrum label: Mcontact

System resolution = 161 eV

Quantitative method: ZAF (2 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :
S K FeS2 01/12/91
K K MAD 10 02/12/91
Fe K Fe 01/12/91
Cu K Cu 01/12/91
Zn K Zn 01/12/91
Ag L Ag 01/12/91

Elmt	Spect. Type	Element %	Atomic %
S K	BO	1.04	2.07
K K	BO	2.46	4.80
Fe K	BO	2.62	2.98
Cu K	BO	54.64	54.51
Zn K	BO	33.74	32.72
Ag L	BO	4.99	2.93
Total		100.00	100.00

* = <2 Sigma

Fit Indices

S K	0.2
K K	0.5
Fe K	0.7
Cu K	1.3
Zn K	1.1
Ag L	0.6

3713 2914

SEMQuant results, listed at 3:20:02 PM on 1/29/96
Operator: Patrick Hailes
Client: Greg Stevens
Job: 9600226
Spectrum label: F:\Contact2

System resolution = 161 eV

Quantitative method: ZAF (2 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :
Si K Quartz 01/12/91
S K FeS2 01/12/91
Fe K Fe 01/12/91
Cu K Cu 01/12/91

Elmt	Spect. Type	Element %	Atomic %
Si K	SD	0.67	1.48
S K	SD	1.55	1.01
Fe K	SD	0.42	0.47
Cu K	SD	97.35	95.05
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Si K	0.1
S K	2.4
Fe K	0.5
Cu K	2.4

SEMQuant results. Listed at [illegible] PM on [illegible]
Operator: Patrick [illegible]
Client: Greg Stevens
Job: [illegible]
Spectrum label: [illegible]

System resolution = [illegible] eV

Quantitative method: ZAF ([illegible] iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 9.00 keV

Standards :

S K	FeS2 01/12/93
Fe K	Fe 01/12/93
Cu K	Cu 01/12/93
Zn K	Zn 01/12/93
Ag L	Ag 01/12/93

Elmt	Spect. Type	Element %	Atomic %
S K	ED	1.21	2.47
Fe K	ED	1.31	1.50
Cu K	ED	59.67	60.38
Zn K	ED	33.86	33.30
Ag L	ED	3.94	2.35
Total		100.00	100.00

* = <2 Sigma

Fit Indices

S K	2.0
Fe K	0.7
Cu K	0.9
Zn K	0.[illegible]
Ag L	6.3

3713 2916

SEMQuant results, Printed at 3:25:42 PM on 1/29/99
Operator: Patrick Mallon
Client: Greg Stevens
Job: 19980226
Spectrum label: Mount ct4

System resolution = 161 eV

Quantitative method: ZAF (1 iterations).
Analysed all elements and normalised results.

1 peak possibly omitted: 0.00 keV

Standards :
Si K Quartz 01/12/91
S K FeS2 01/12/91
Cl K NaCl 15/02/94
K K MAD-10 02/12/91
Fe K Fe 01/12/91
Cu K Cu 01/12/91
Zn K Zn 01/12/91
Ag L Ag 01/12/91

Elmt	Spect. Type	Element %	Atomic %
Si K	ED	0.61	1.35
S K	ED	0.86	1.66
Cl K	ED	1.31	2.12
K K	ED	3.54	5.60
Fe K	ED	1.04	1.15
Cu K	ED	62.38	60.76
Zn K	ED	26.66	25.24
Ag L	ED	3.70	2.12
Total		100.00	100.00

* = <2 Sigma

Fit Indices

Si K	0.3
S K	0.1
Cl K	0.2
K K	0.5
Fe K	0.4
Cu K	1.1
Zn K	0.6
Ag L	0.5

Brake Pressure Switch Table:

	Sensor	Id Codes	Dates	Zip Codes	Res. #s	Res. #s	Res.#s
	#1	PY754575	5-93	42621	0.2 Ohm	167.0 Ohms	Inf. Resistance
	#2	NY740208	6-92	53237	0.3 Ohm	0.3 Ohms	Inf. Resistance
	#3	PY688795	1-93	NA	0.3 Ohm	4.48 M Ohms	Inf. Resistance
	#4	PX629934	11-92	68302	0.2 Ohm	1.5 Ohms	Inf. Resistance
	#5	PY650225	10-92	72114	0.2 Ohm	1.7 Ohms	Inf. Resistance
	#6	PX638867	12-92	55333	0.3 Ohm	17 K Ohms	Inf. Resistance
	#7	PX665270	4-93	66089	0.3 Ohm	2.9 Ohms	Inf. Resistance
	#8	PX643515	12-92	43551	0.2 Ohm	0.4 Ohms	Inf. Resistance
	#9	PX623672	10-92	94145	0.2 Ohm	24 M Ohms	Inf. Resistance
	#10	PY695374	1-93	NA	0.2 Ohm	11.30 M Ohms	Inf. Resistance
"E"	#11	NX758774	7-92	97199	0.2 Ohm	6.79 M Ohms	Inf. Resistance
	#12	BY639984	9-93	97199	0.2 Ohm	0.2 Ohms	Inf. Resistance
"D"	'Leaking sensor' VIN 2FALP71W1VX145373				0.4 Ohm	1.1 Ohms ← 1-34	4.80 M Ohms 140K ground to GM Ohmmeter
	New sensor #1				0.2 Ohm	0.4 Ohm	Inf. Resistance
	New sensor #2				0.2 Ohm	1.1 Ohm	Inf. Resistance Unstable

"F" Engine 2120 1LNLM82W1NY760055 4M5R

300K - 2M

116117

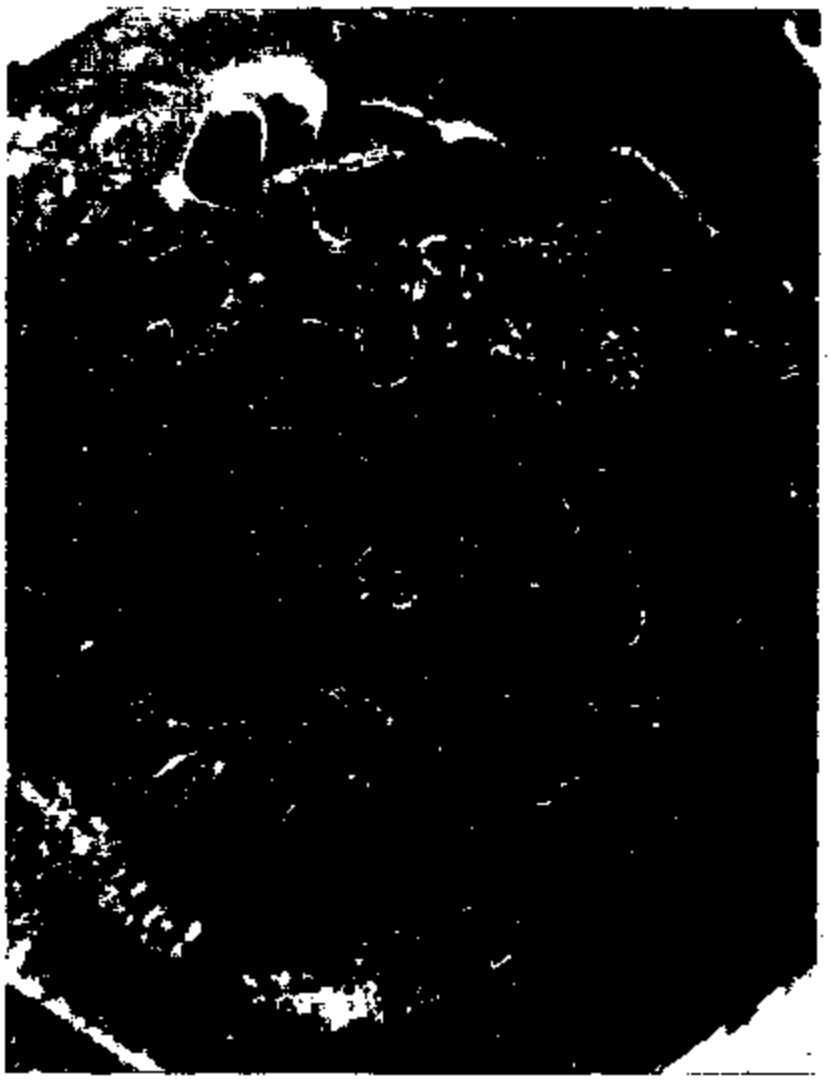
9900226

PHOTOS

#9900226
SAMPLE C
HEXPORT

3713 2921

#9900226
SAMPLE C
HEXPORT



3713 2927

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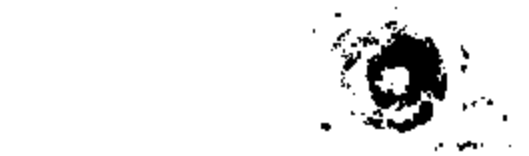
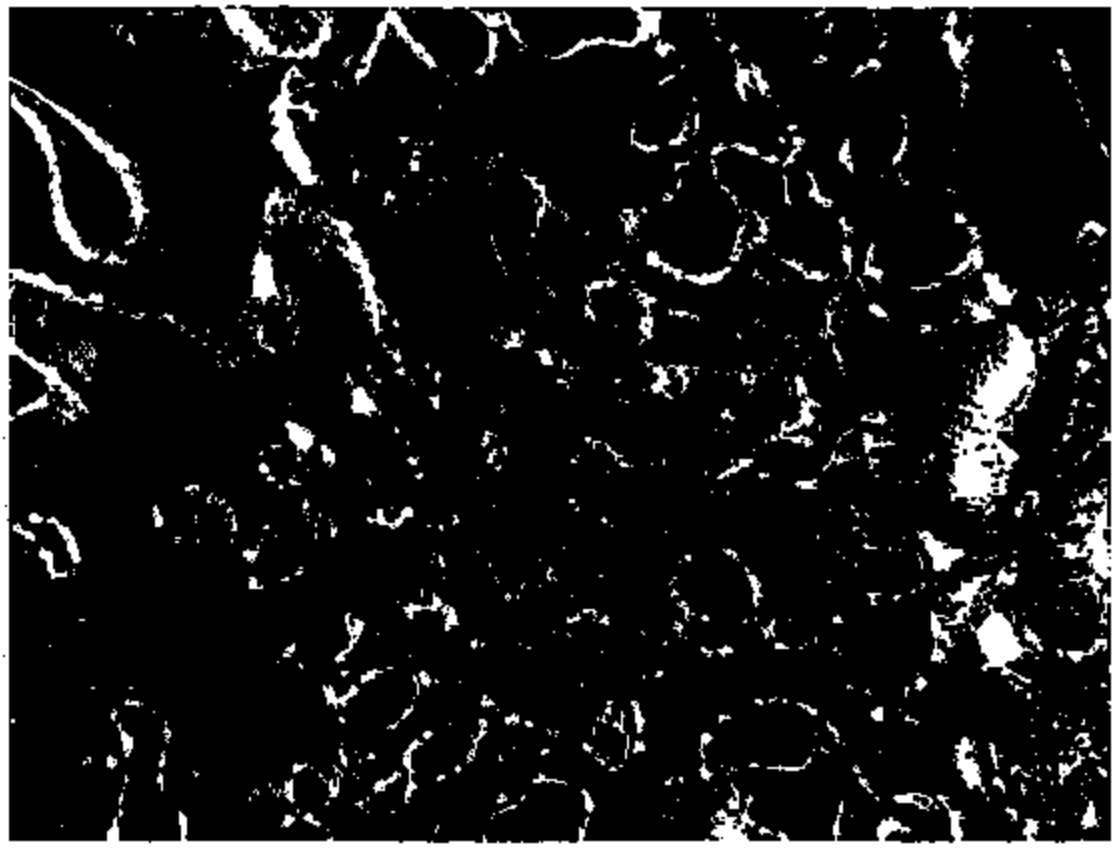
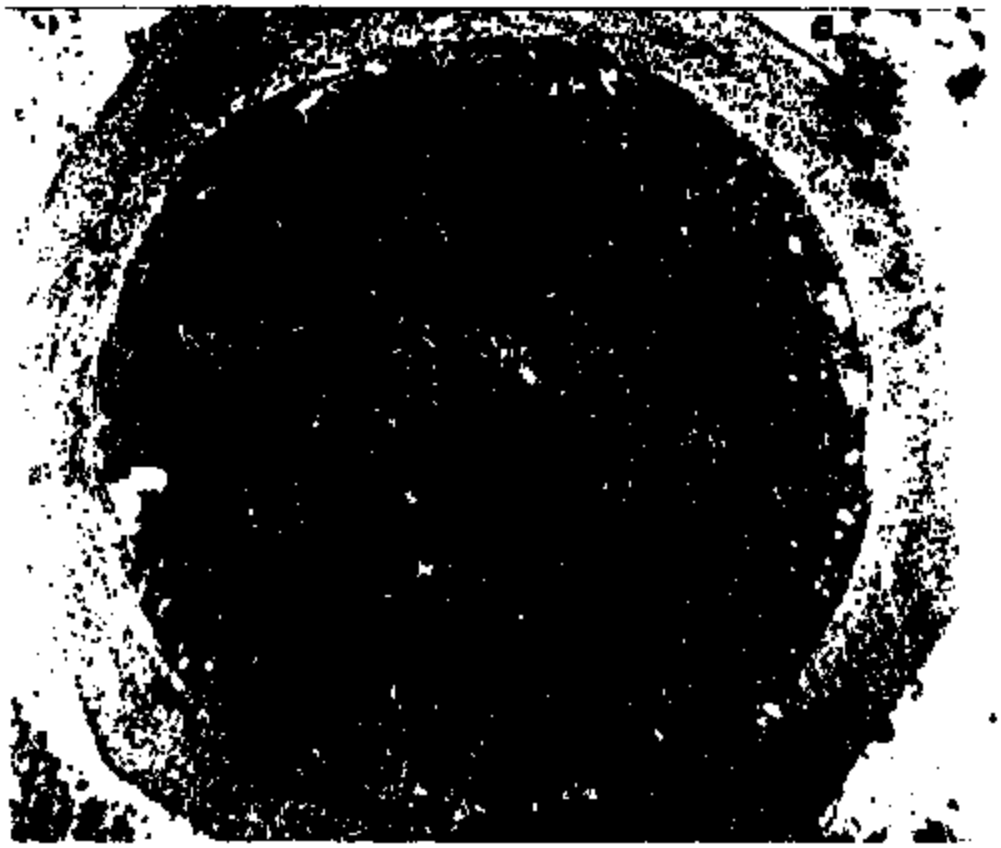
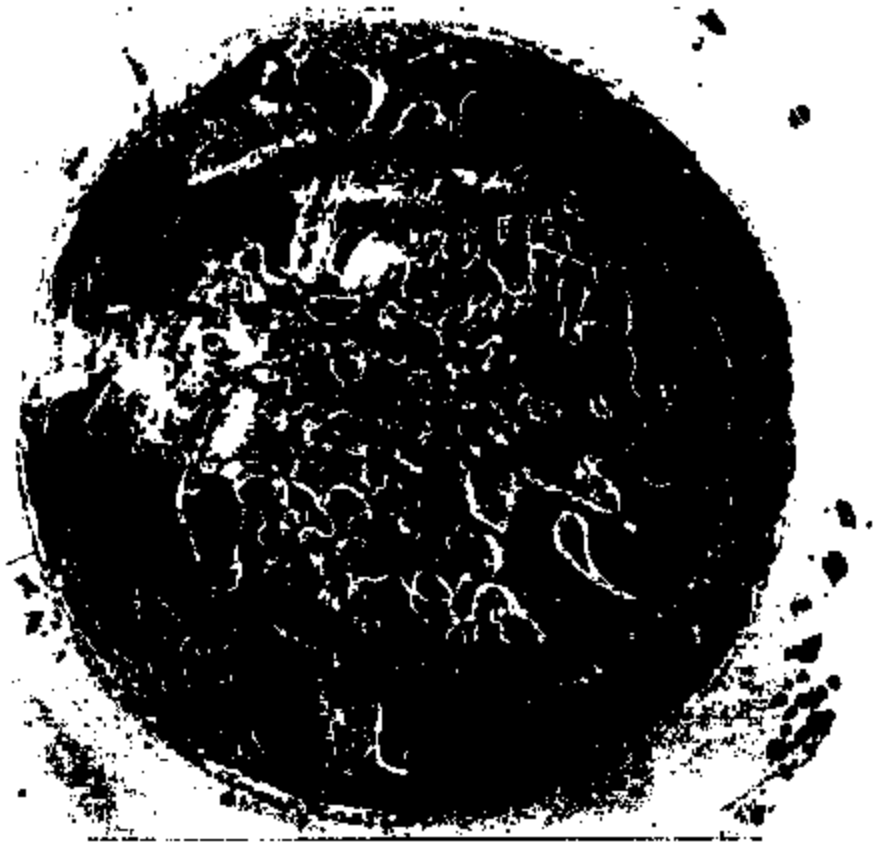
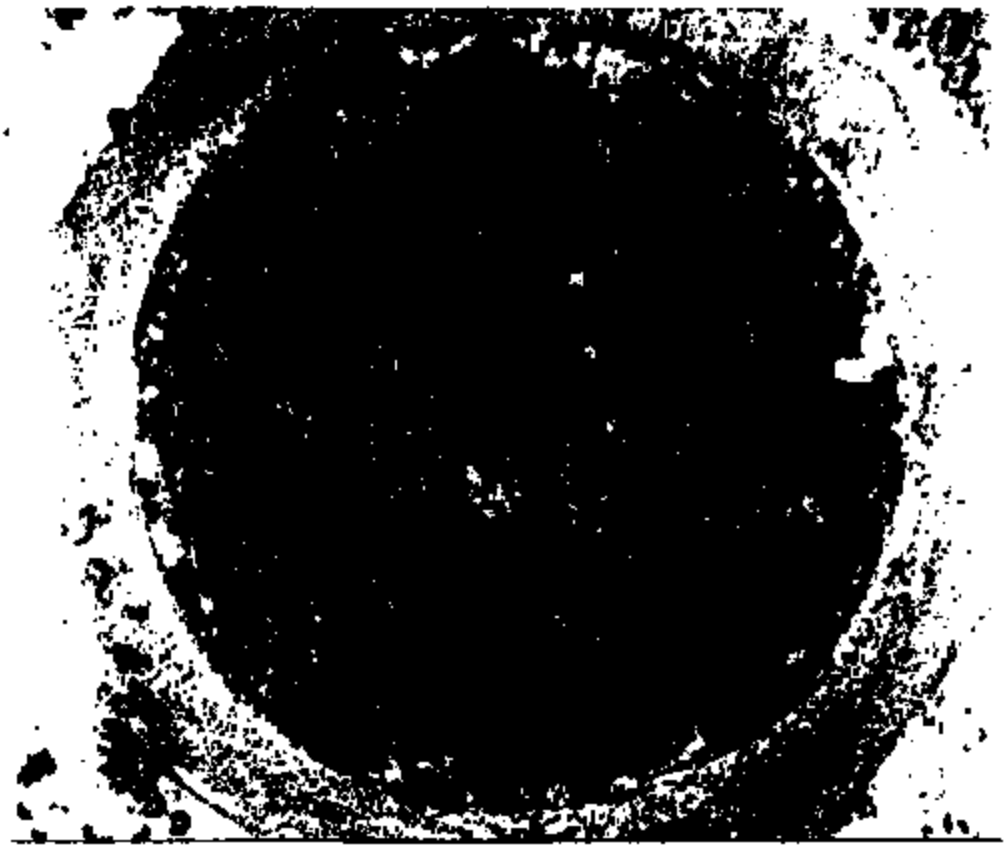


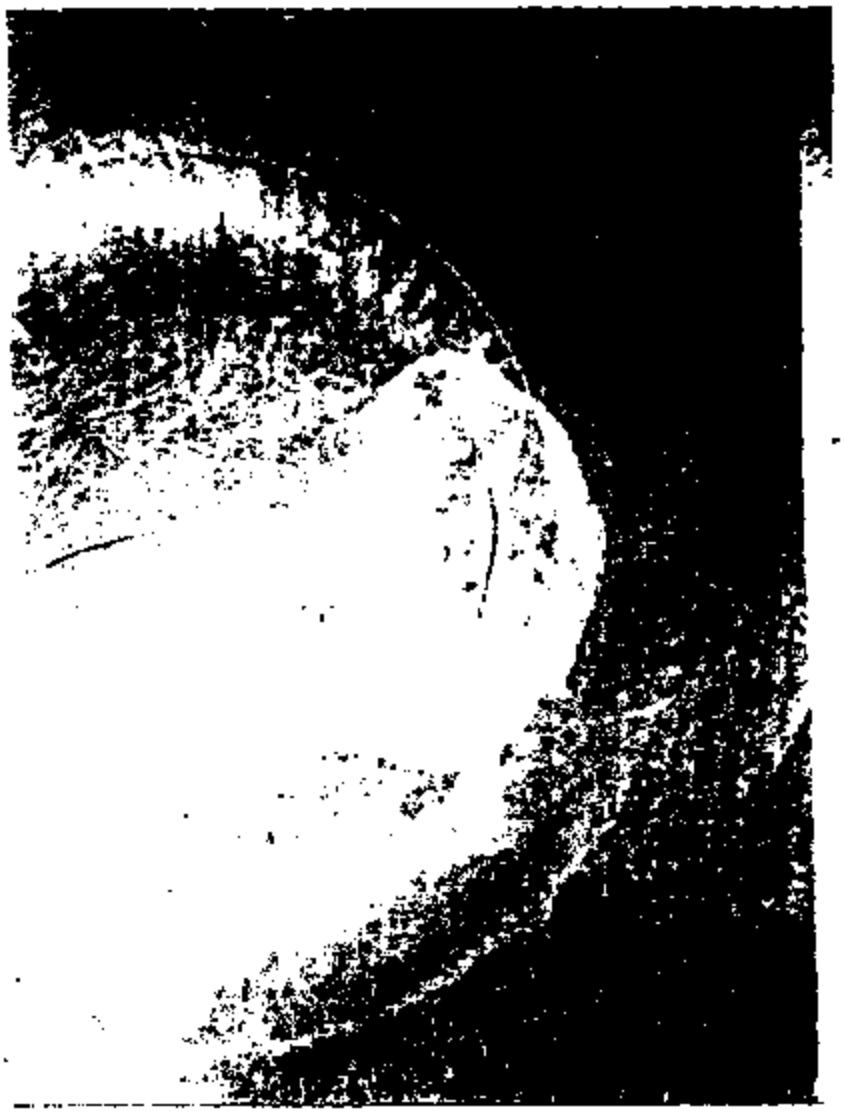








#9900226
SAMPLES #5 & #6



#G-1 TEAR IN TEFLON 9X
CONCAVE SIDE DOWN MAG

#6-1

#9900226

V. S. Bolton

#5-1 [redacted]

CONCAVE SIDE DOWN

9X MAG SHEAR FRACTURES

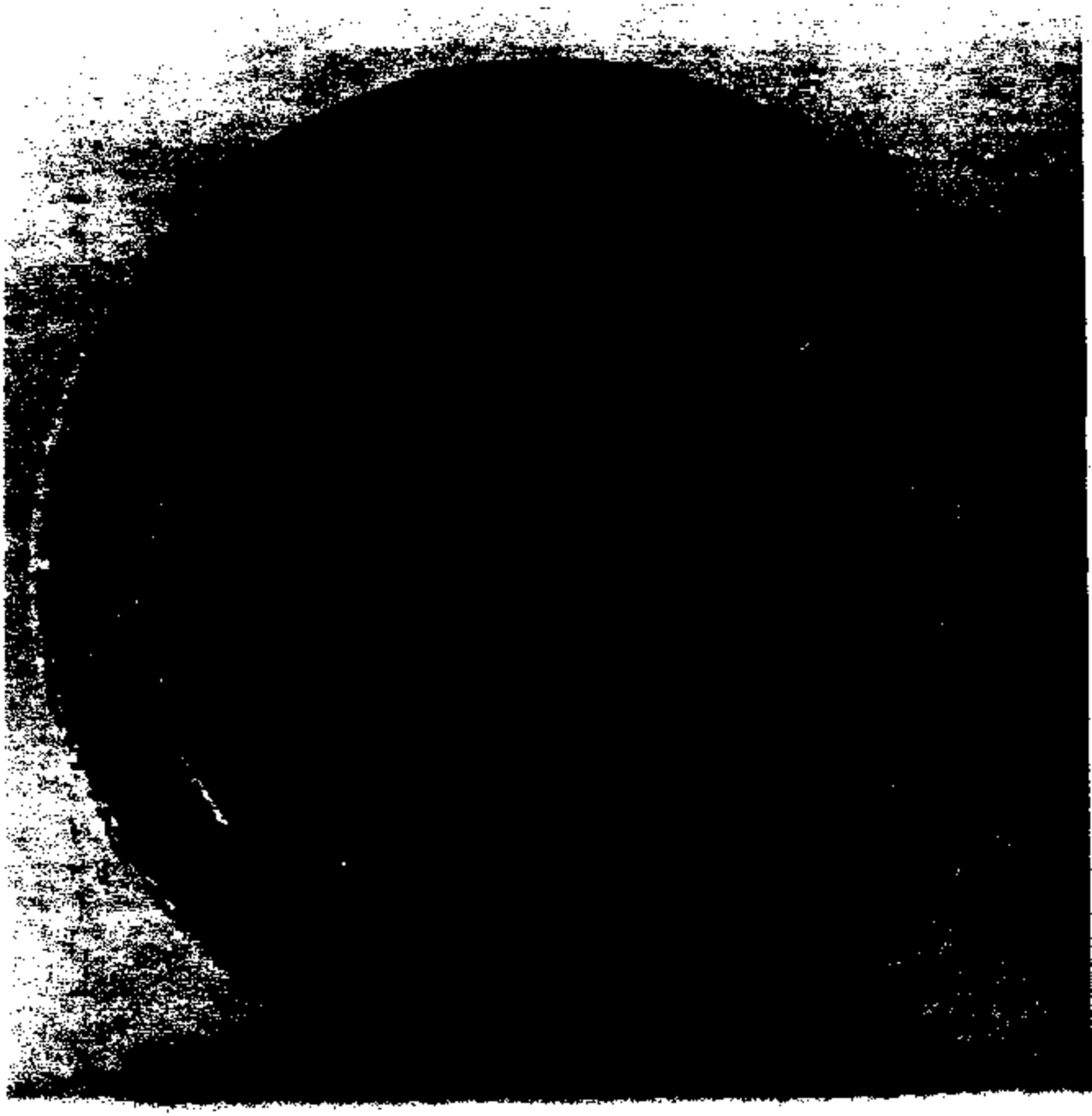
3713 2936

#9900226

V. S. Bellian

3713 2939

A



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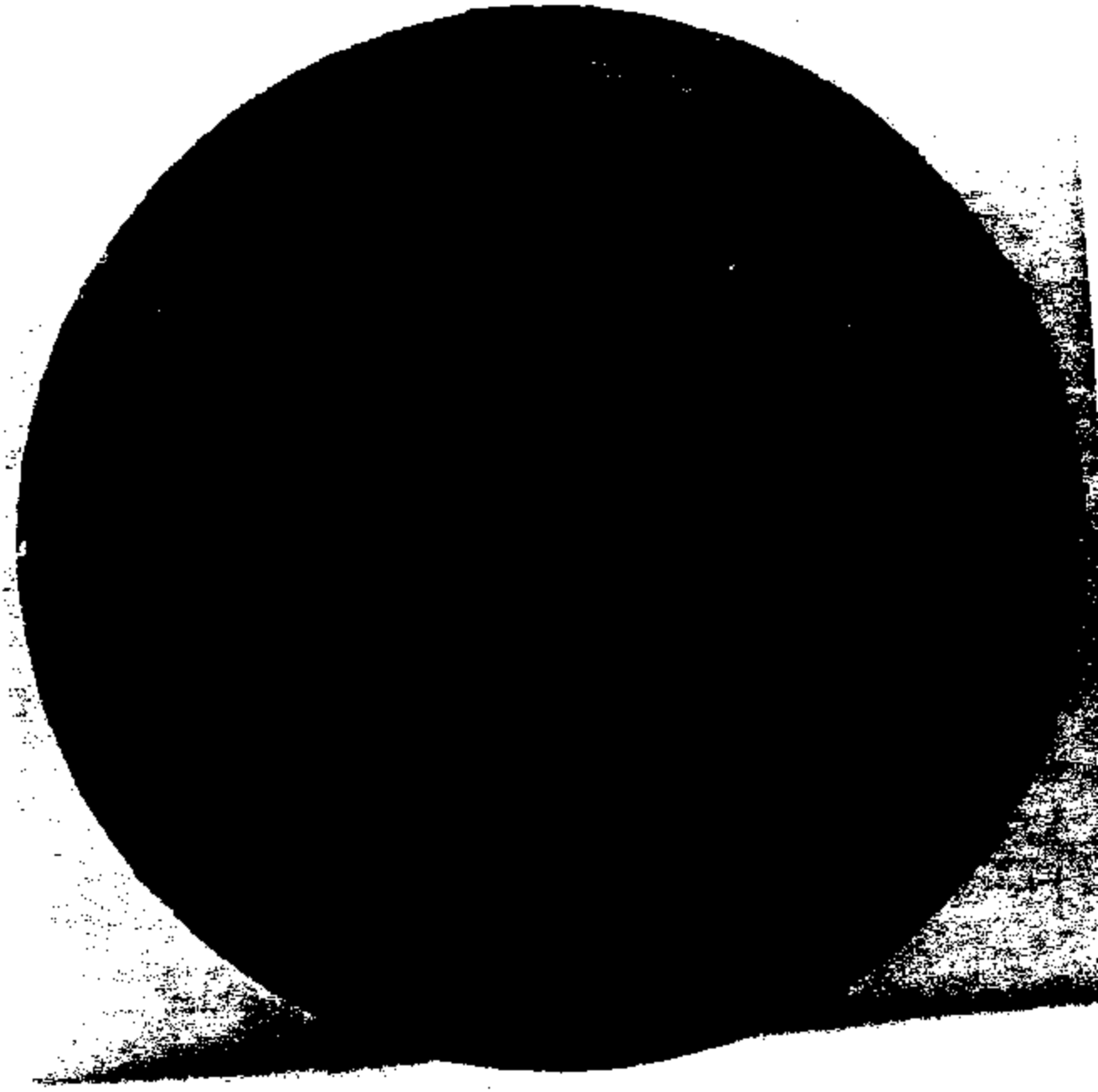

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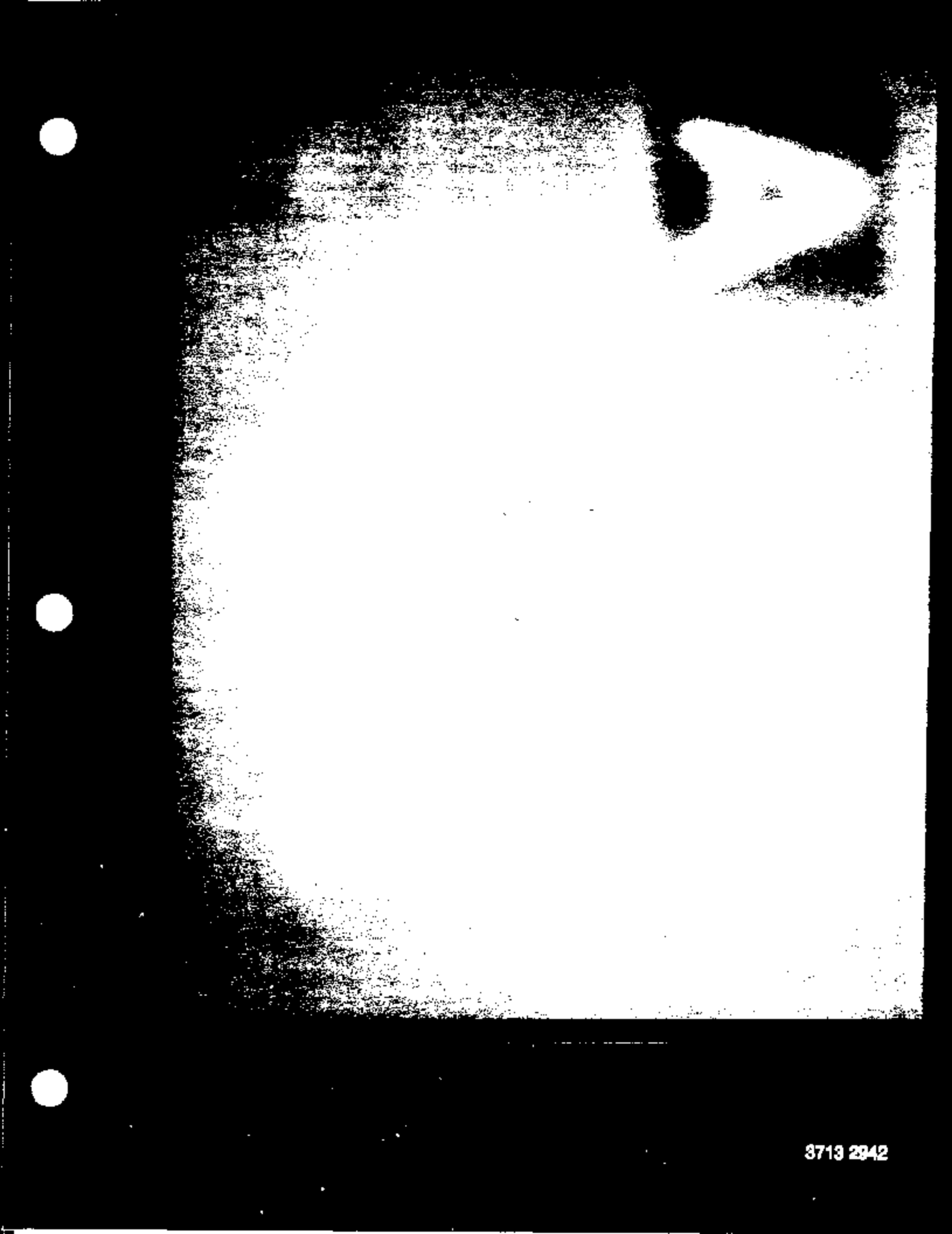

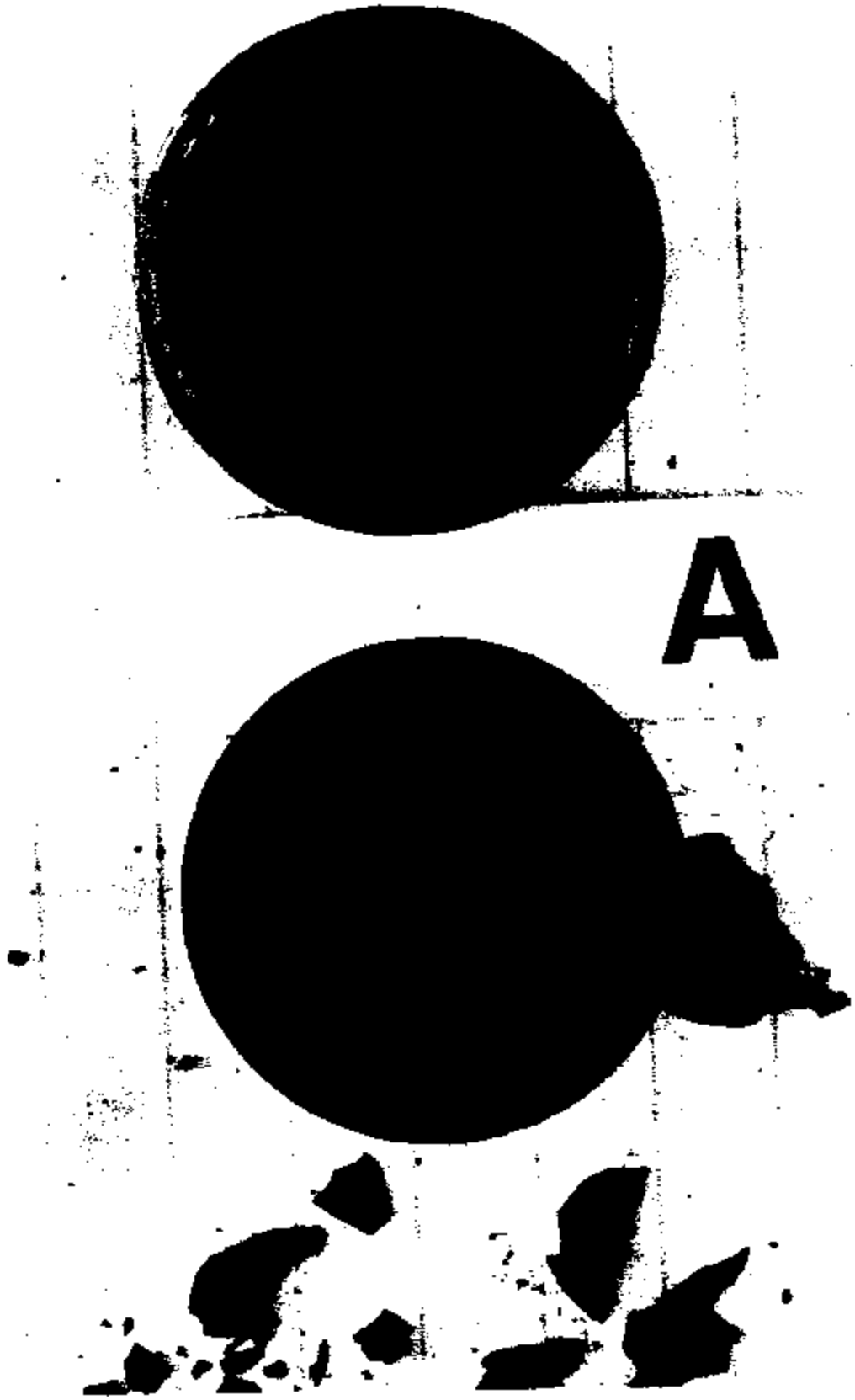
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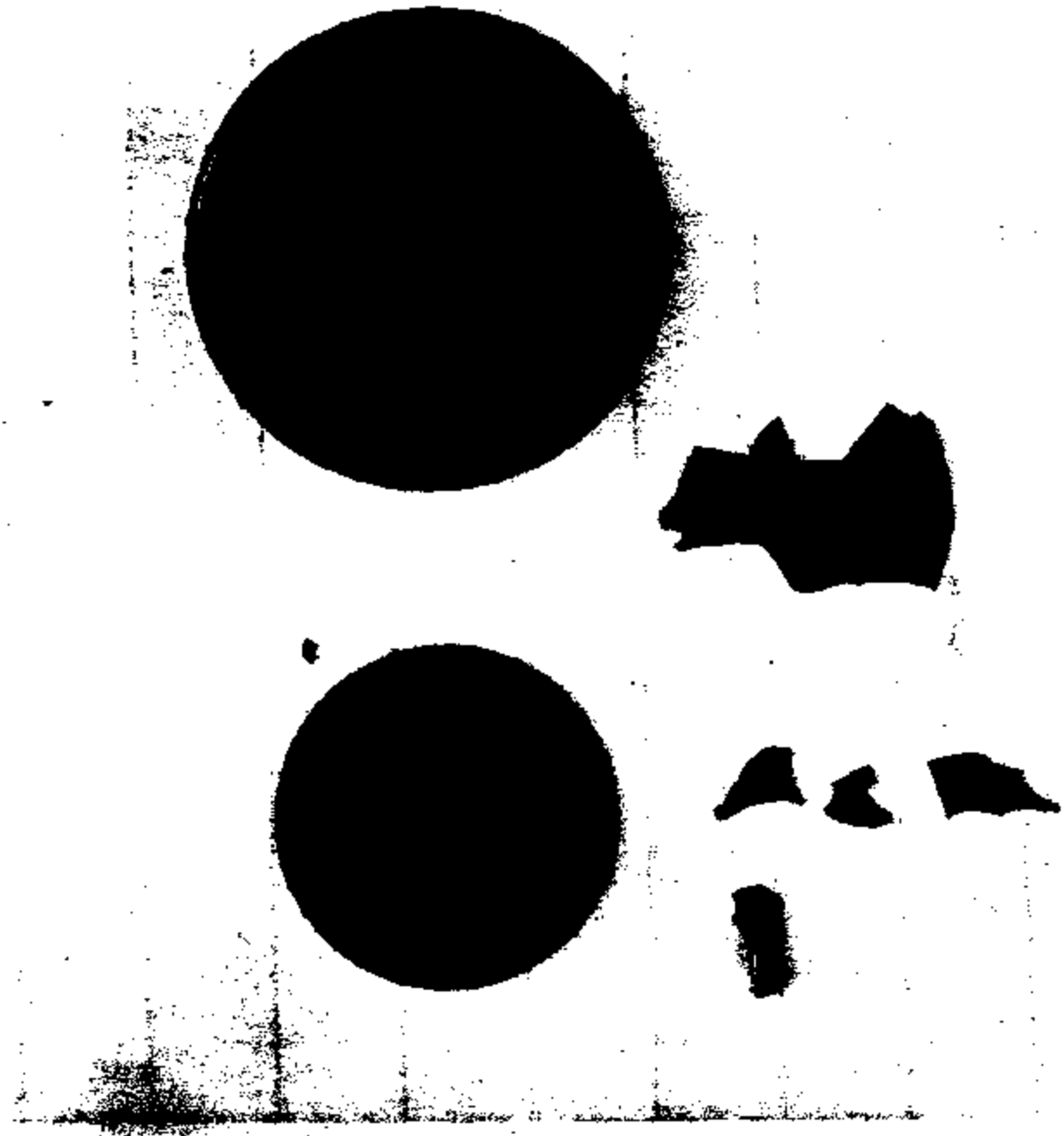

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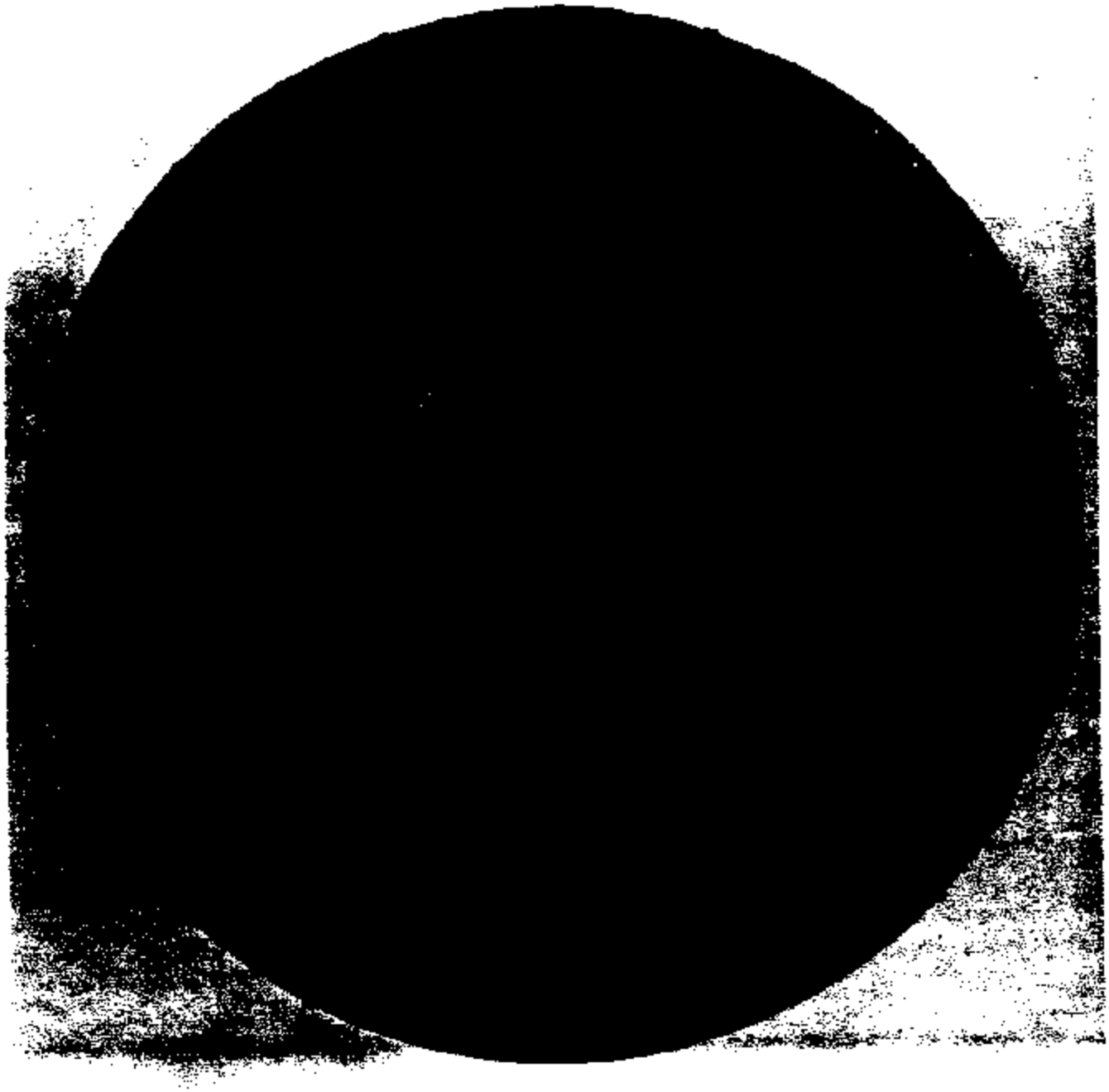

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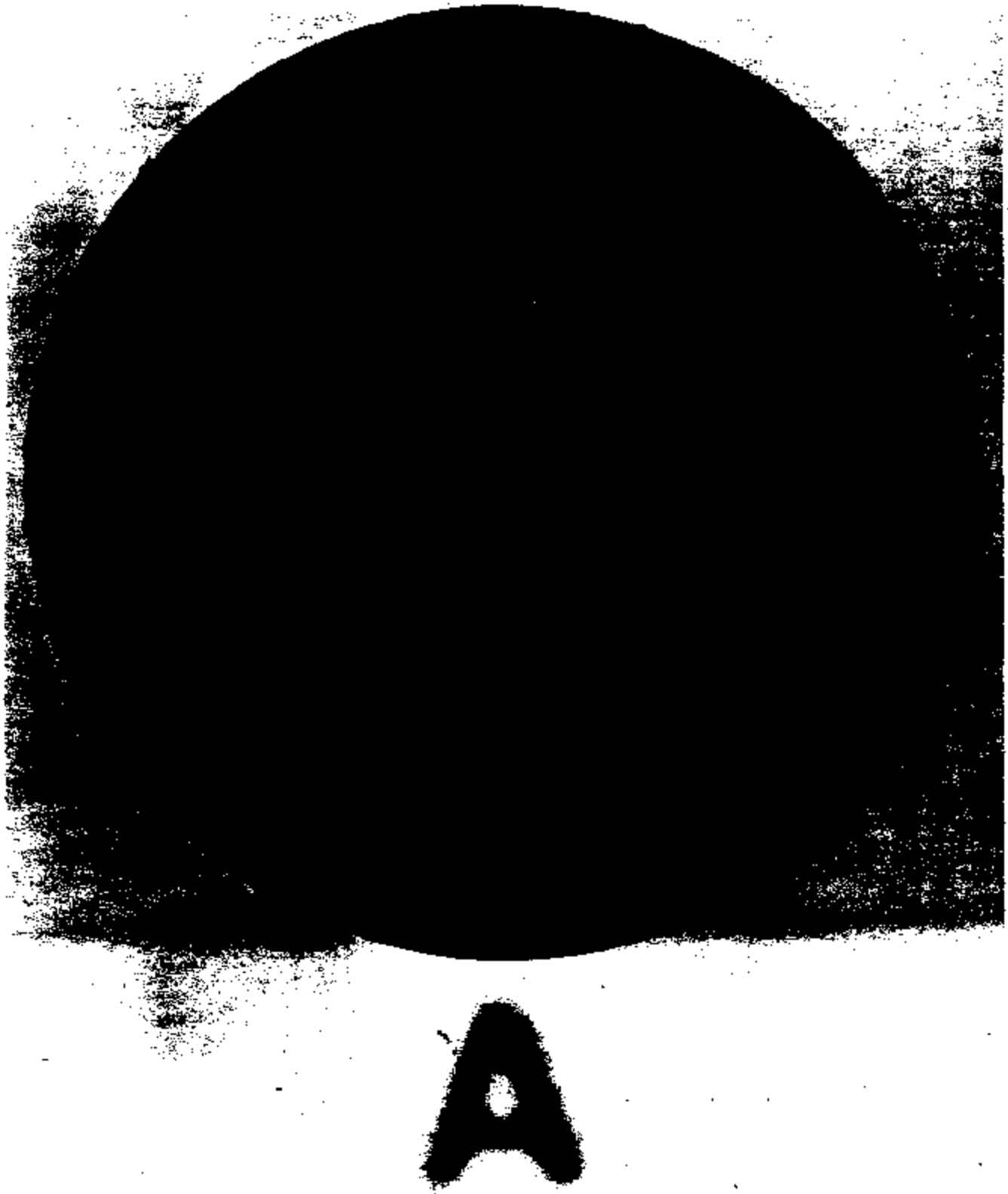

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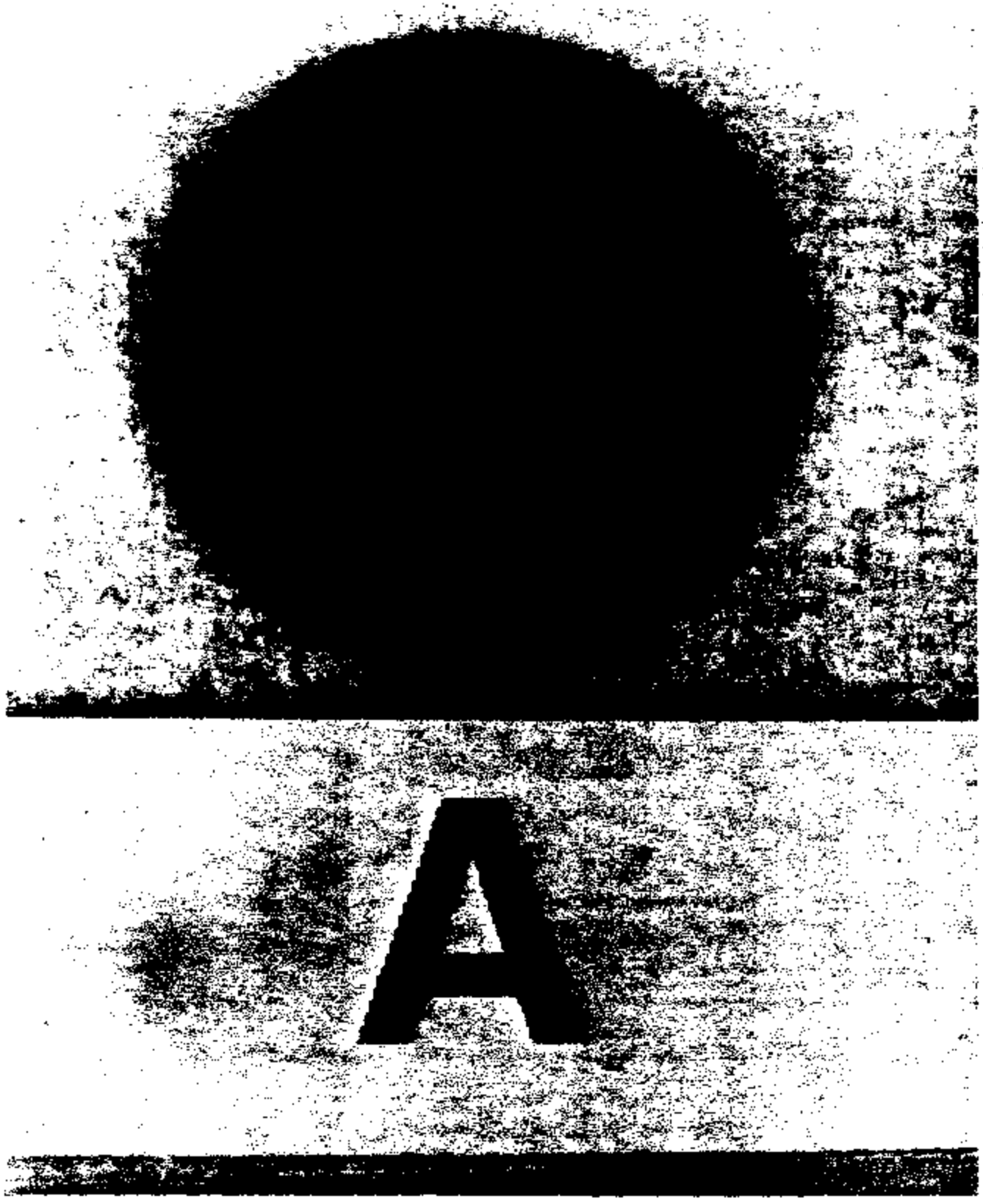

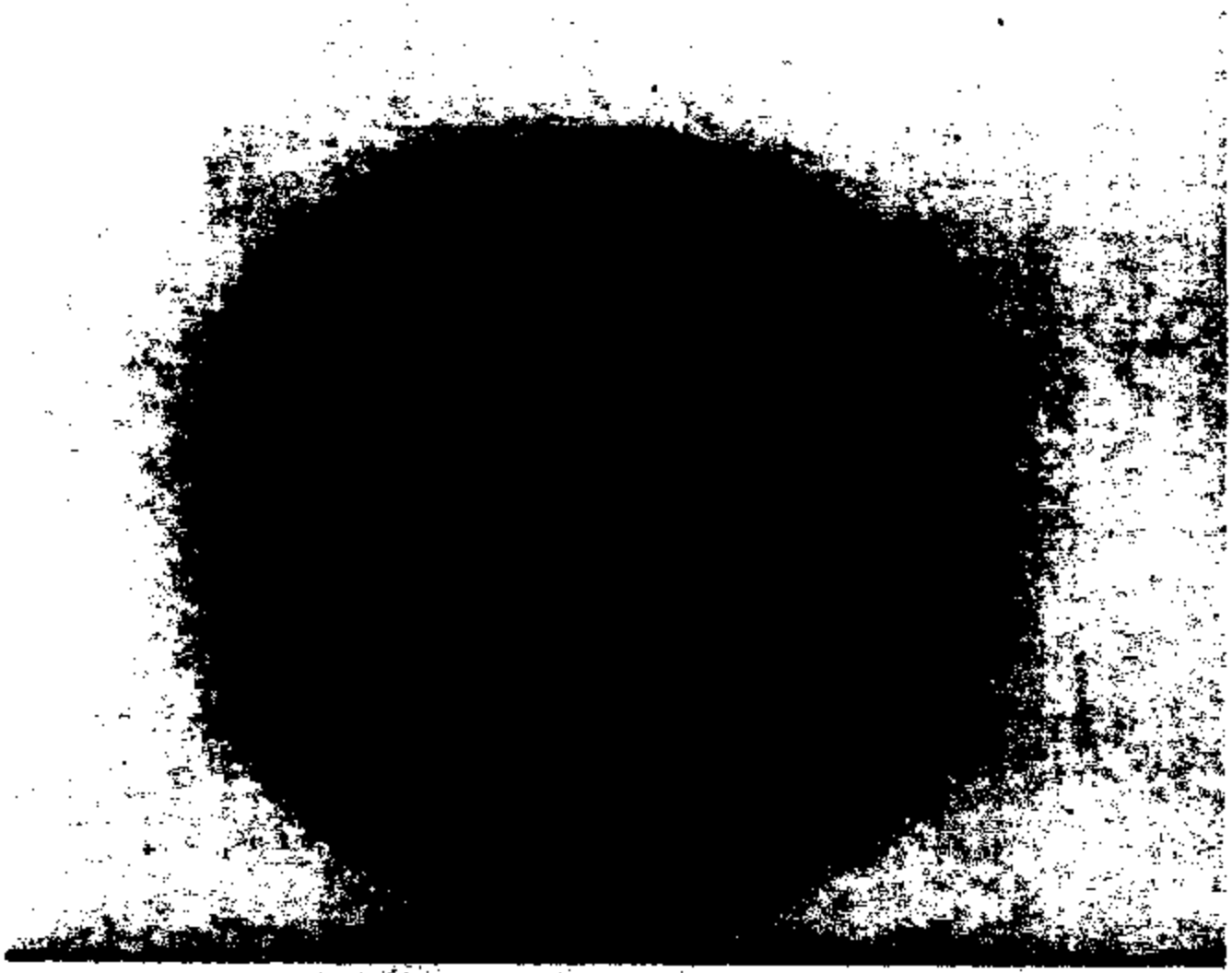

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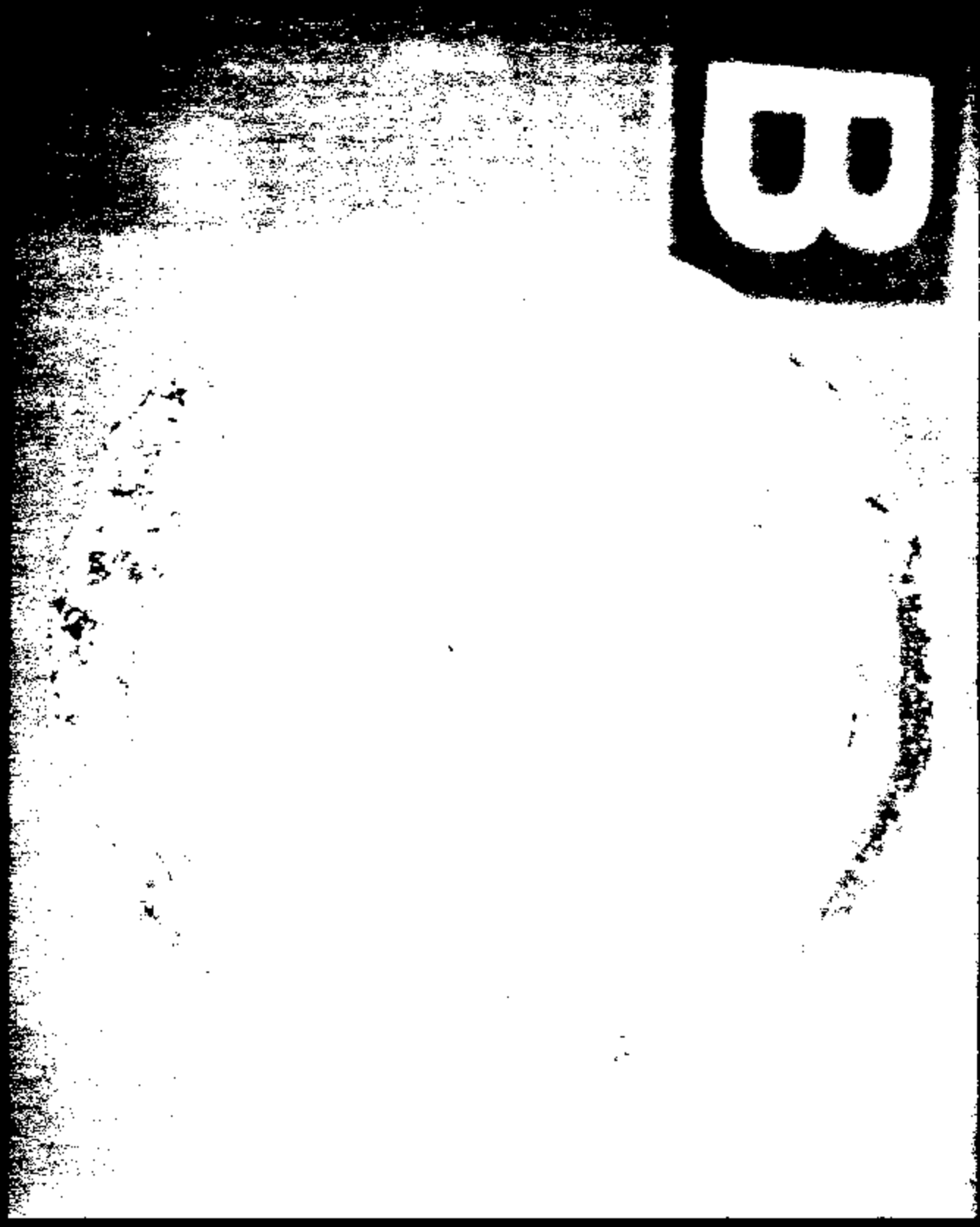

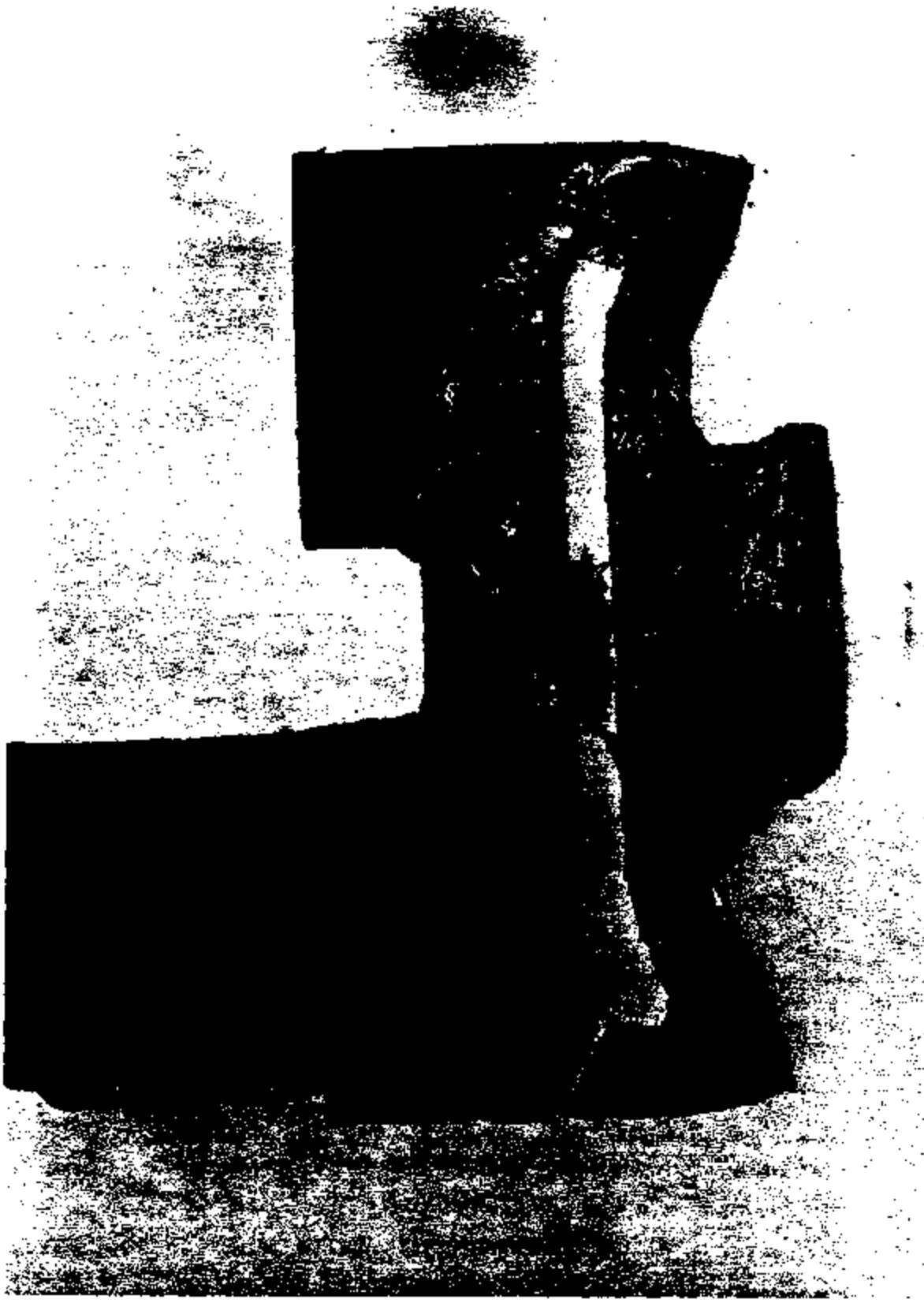

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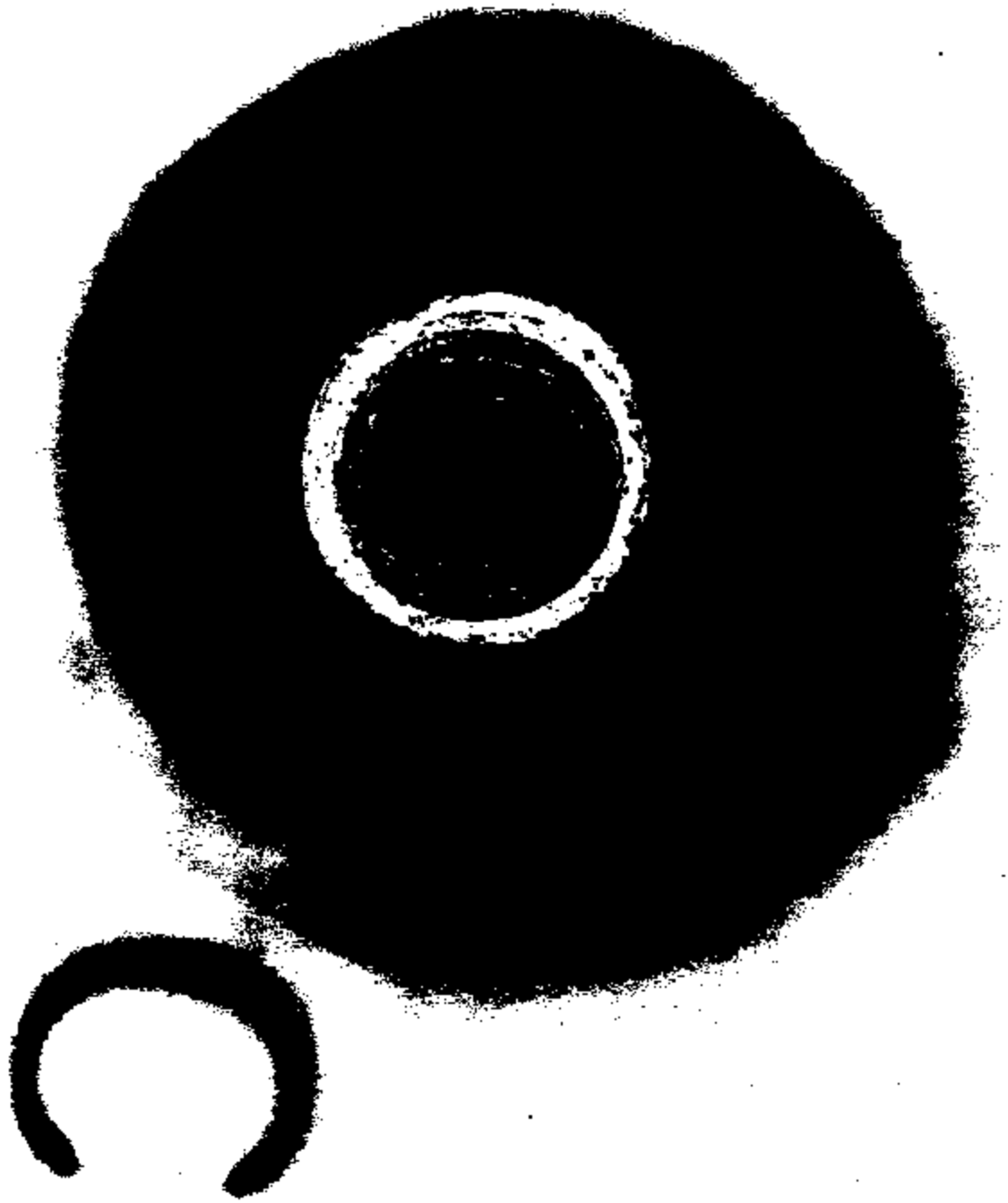

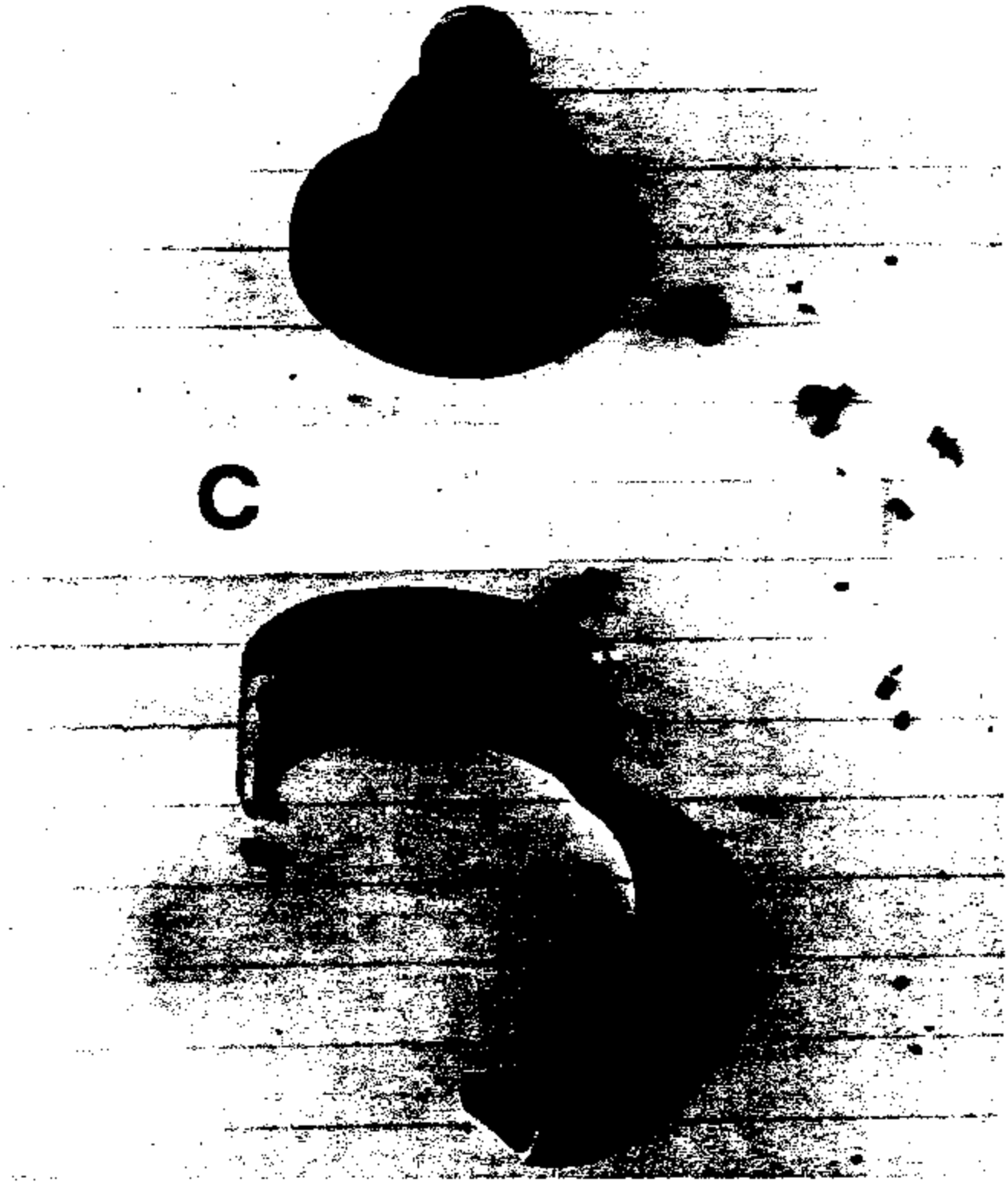
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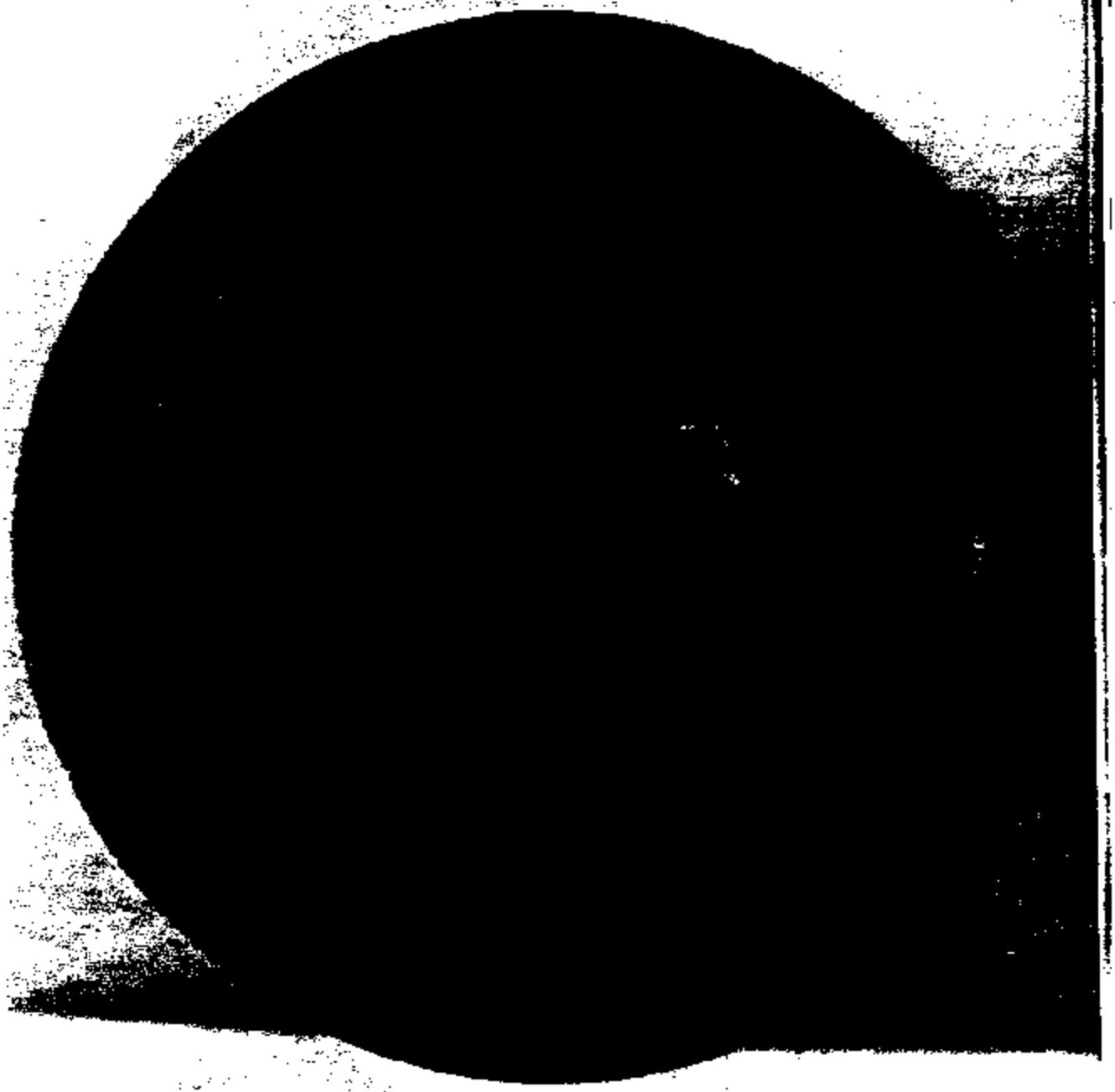

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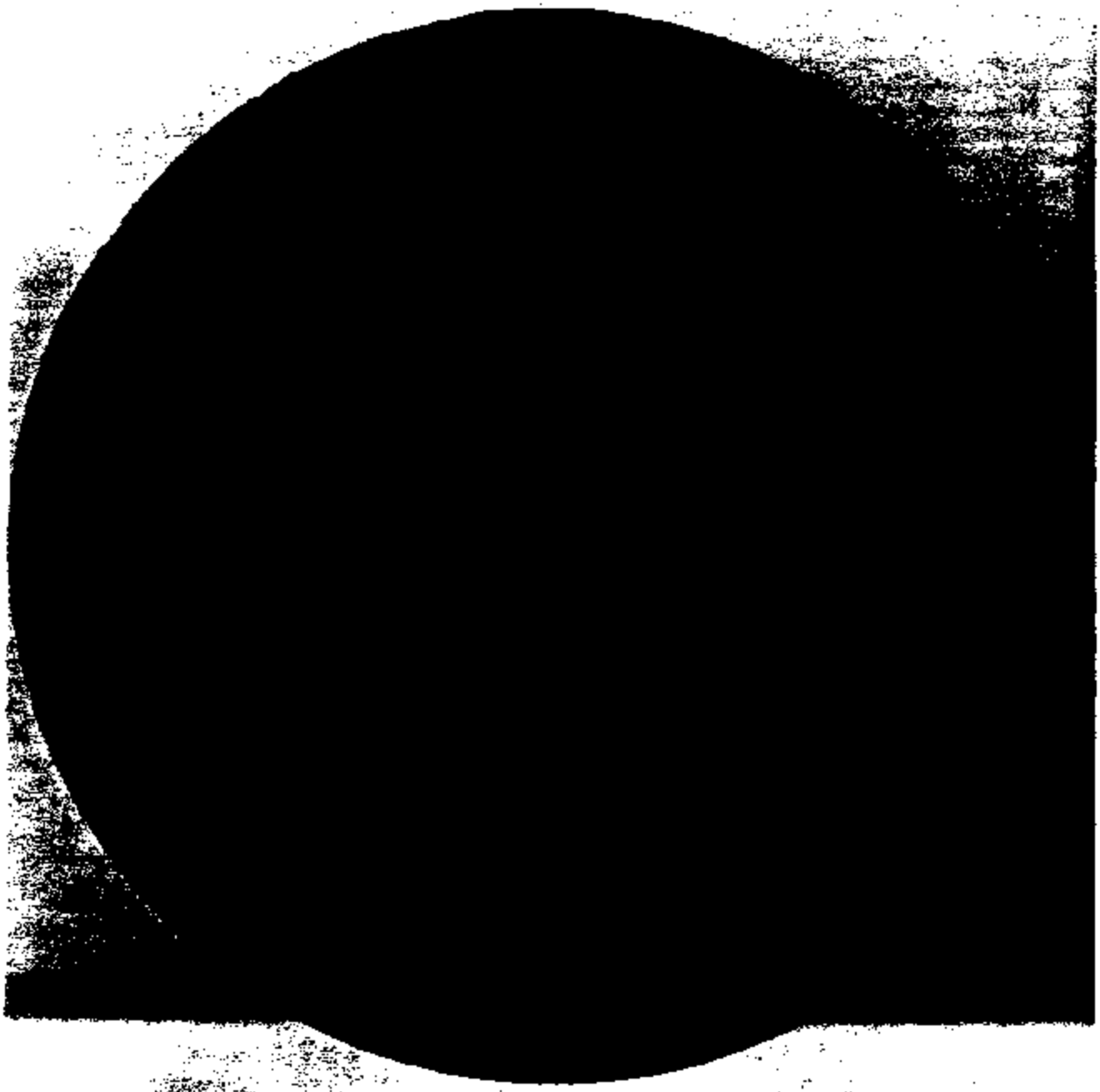

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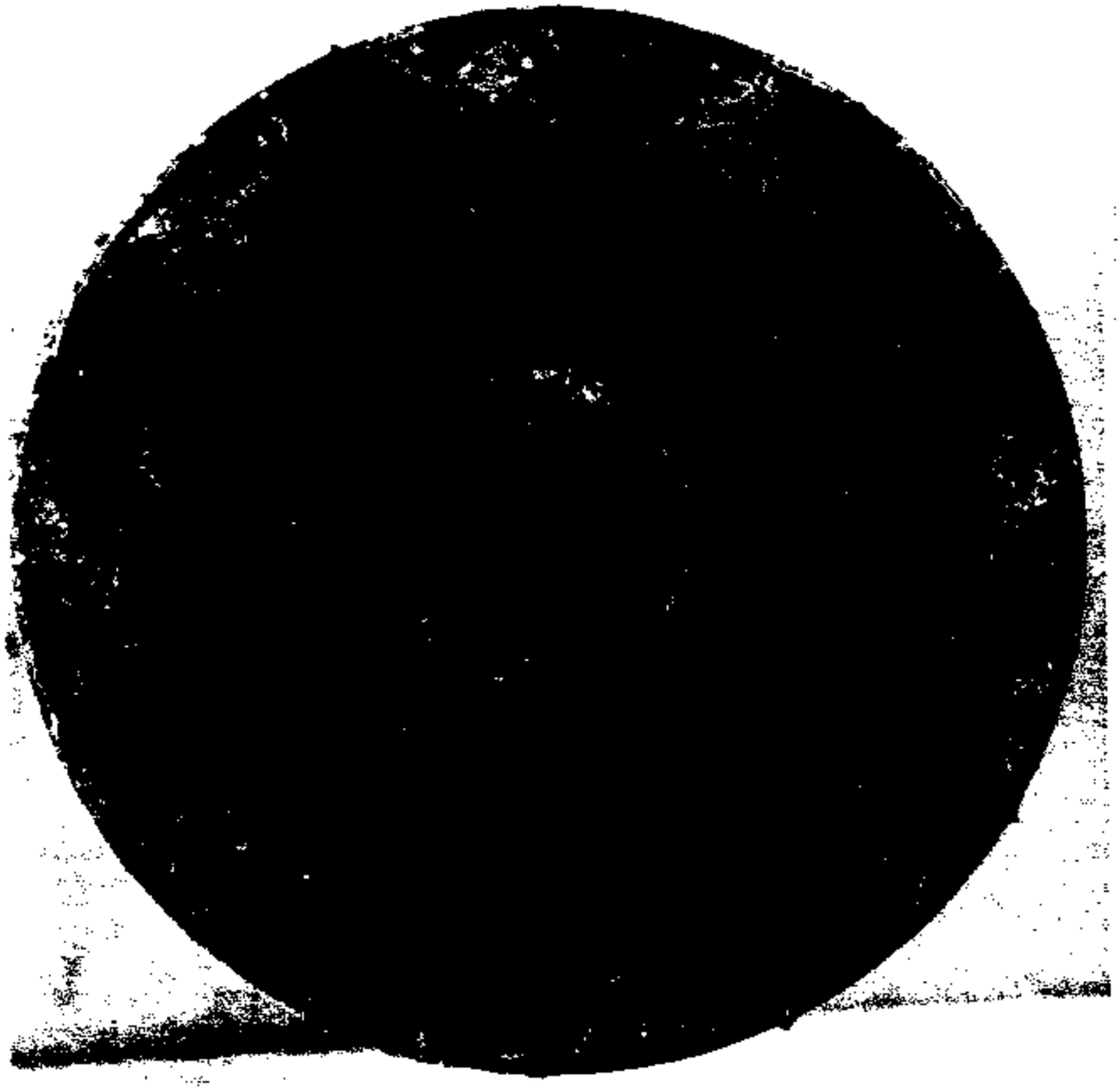

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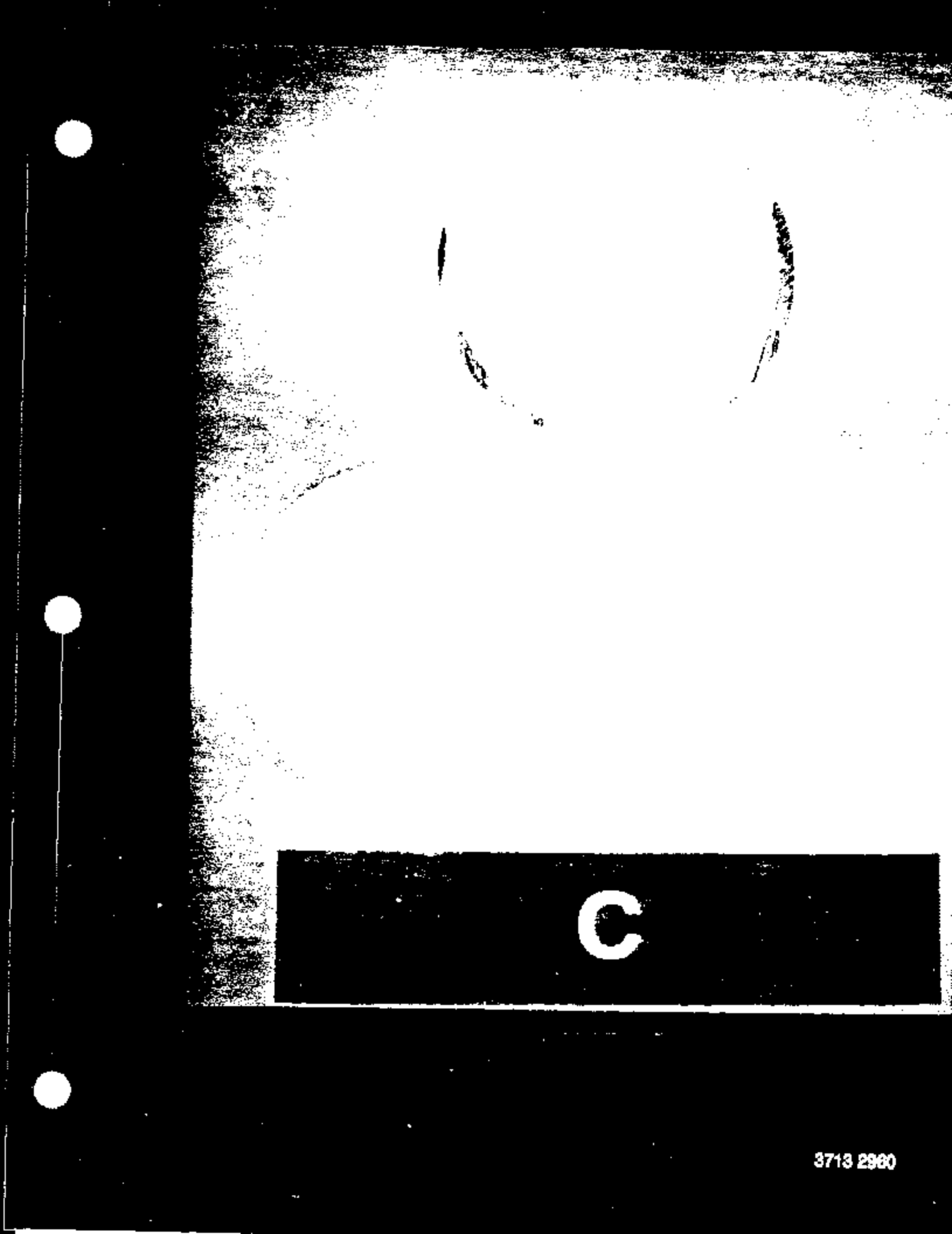

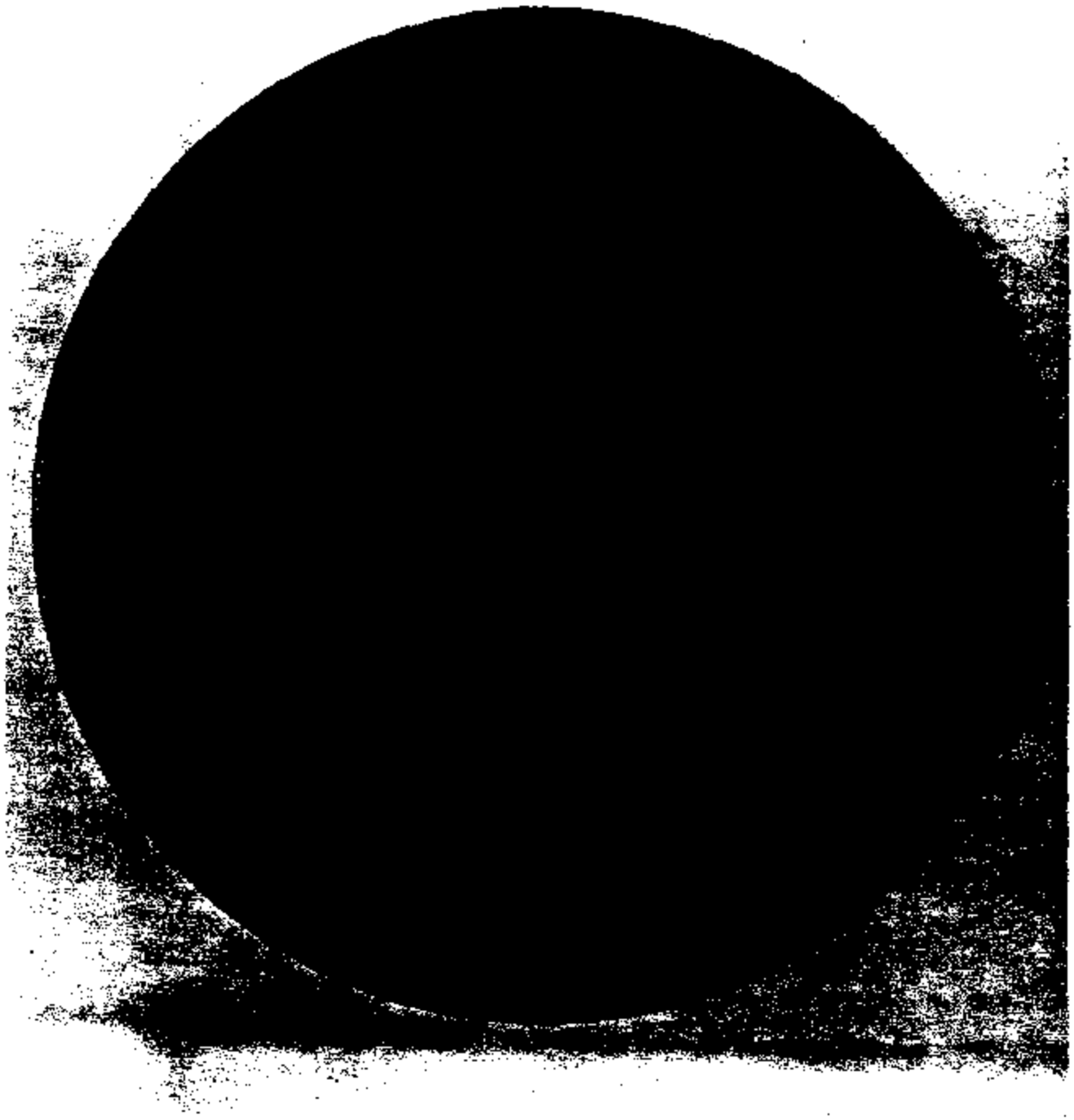

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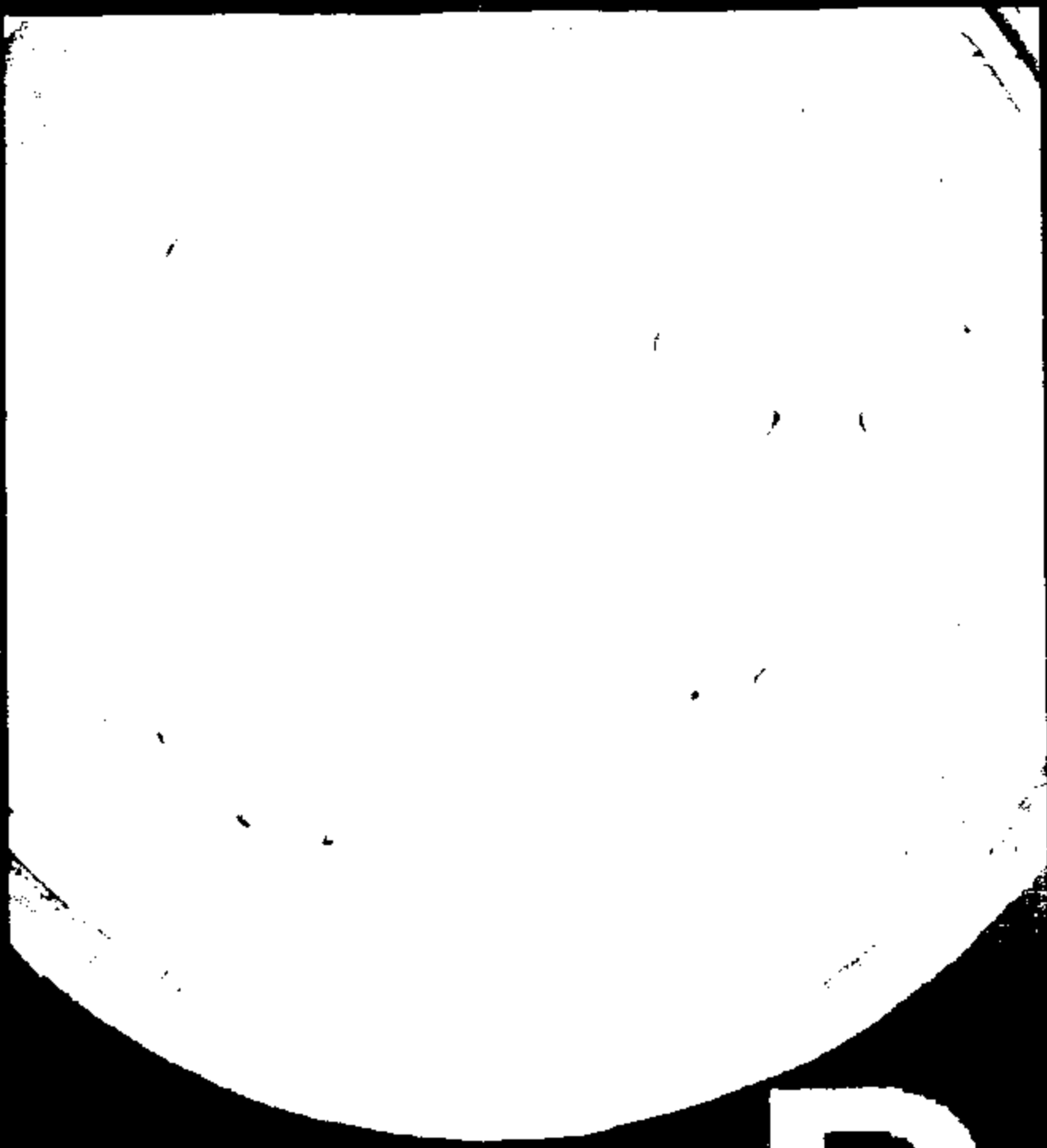

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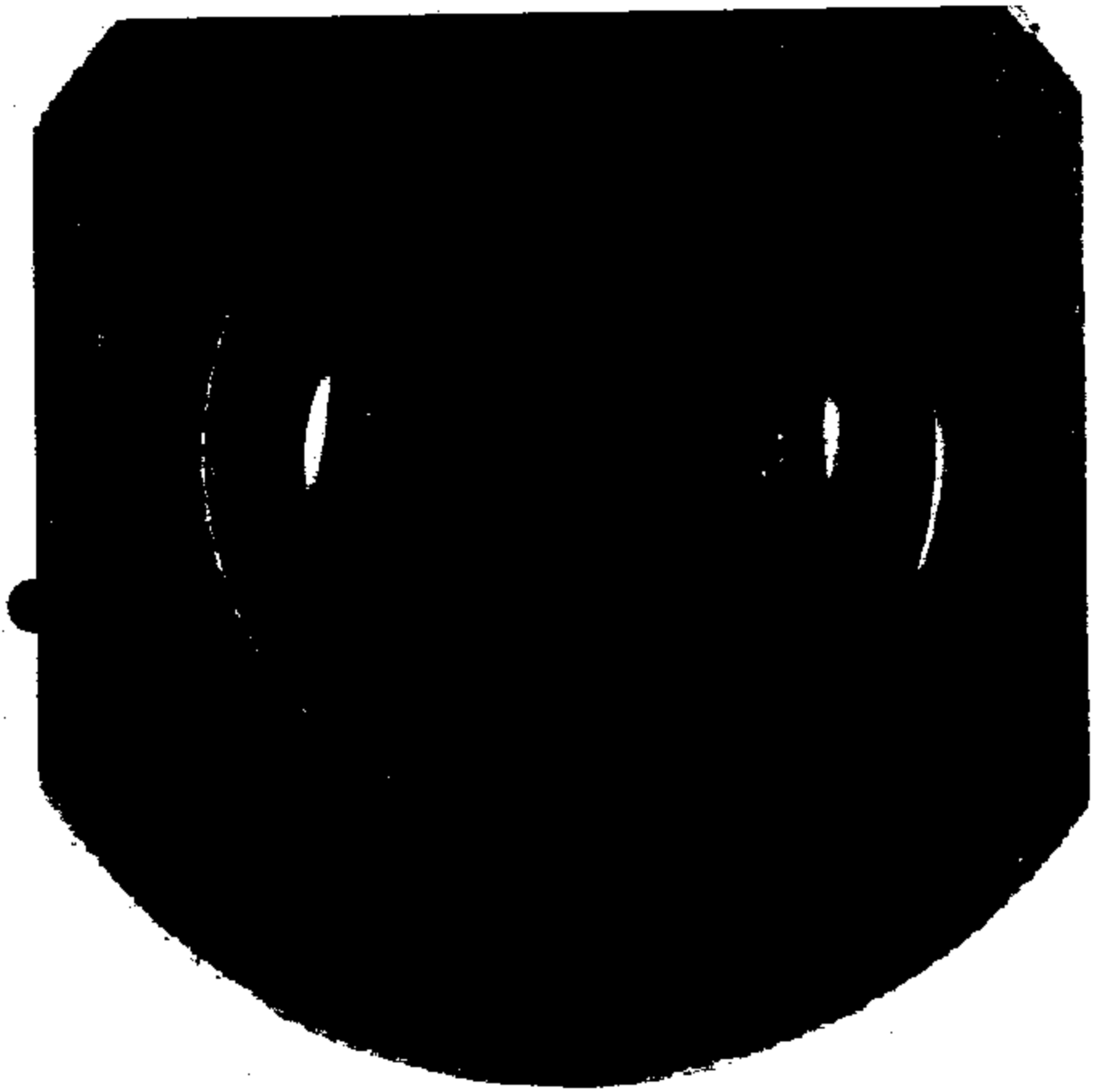

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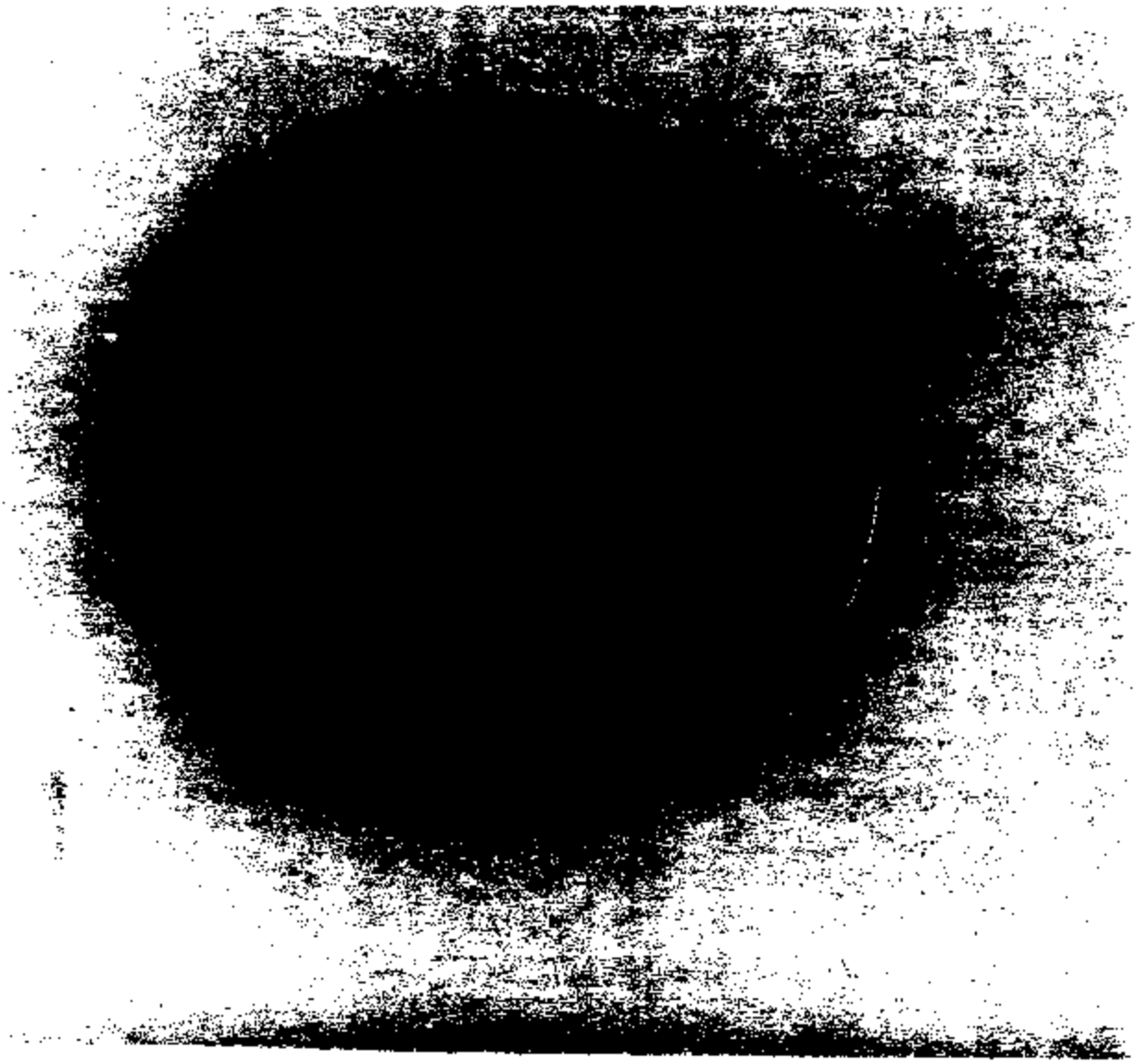

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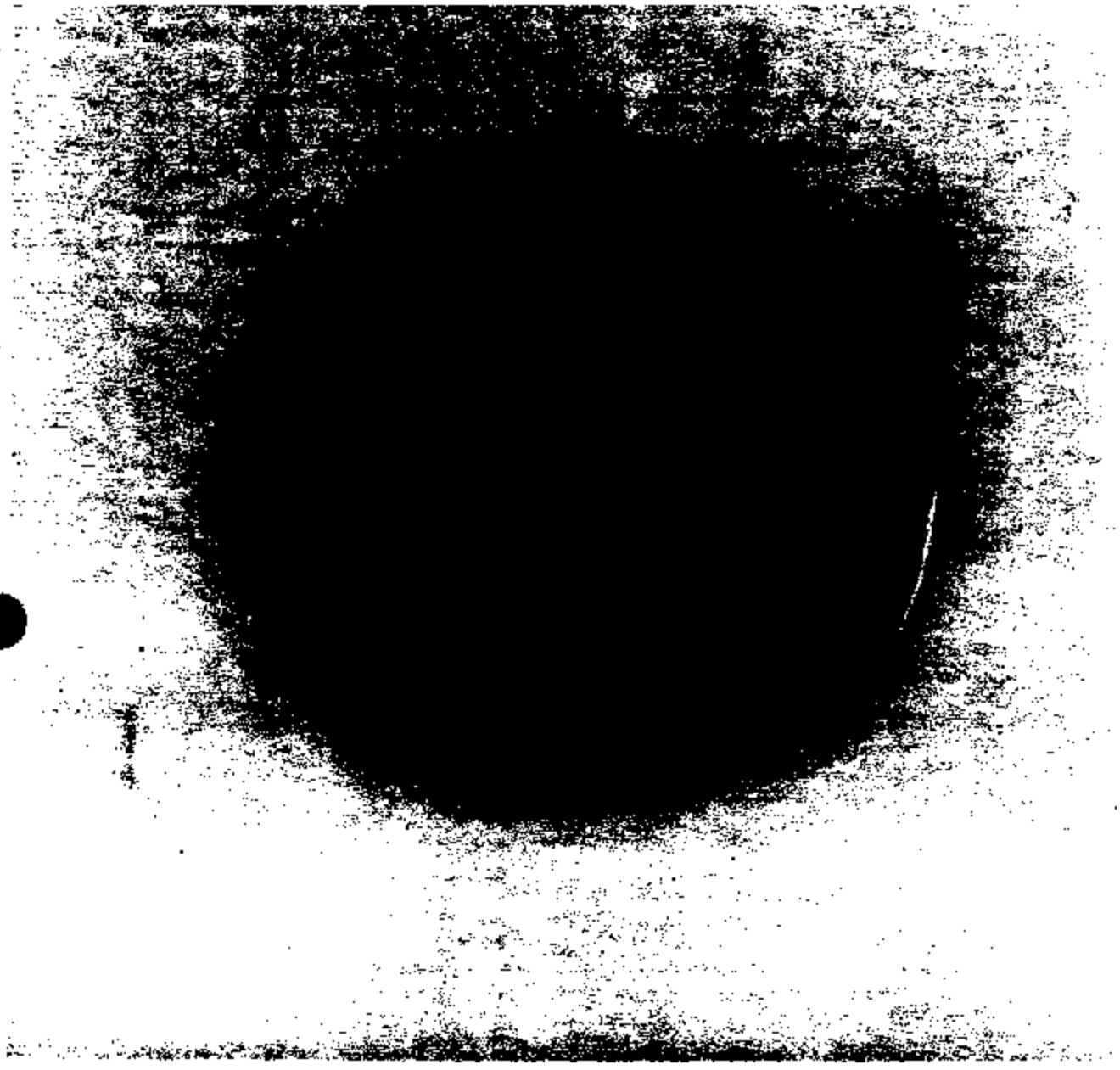

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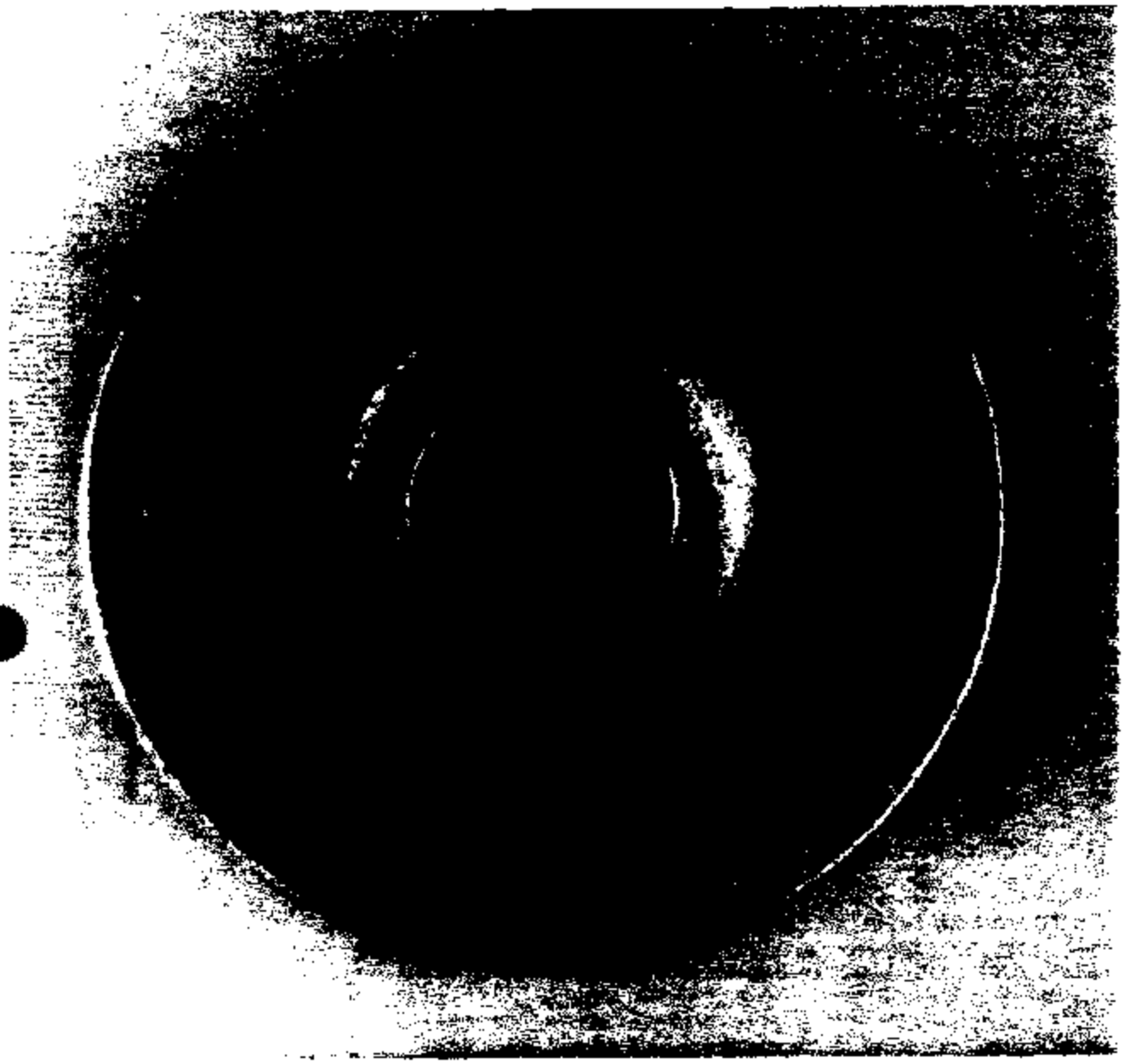

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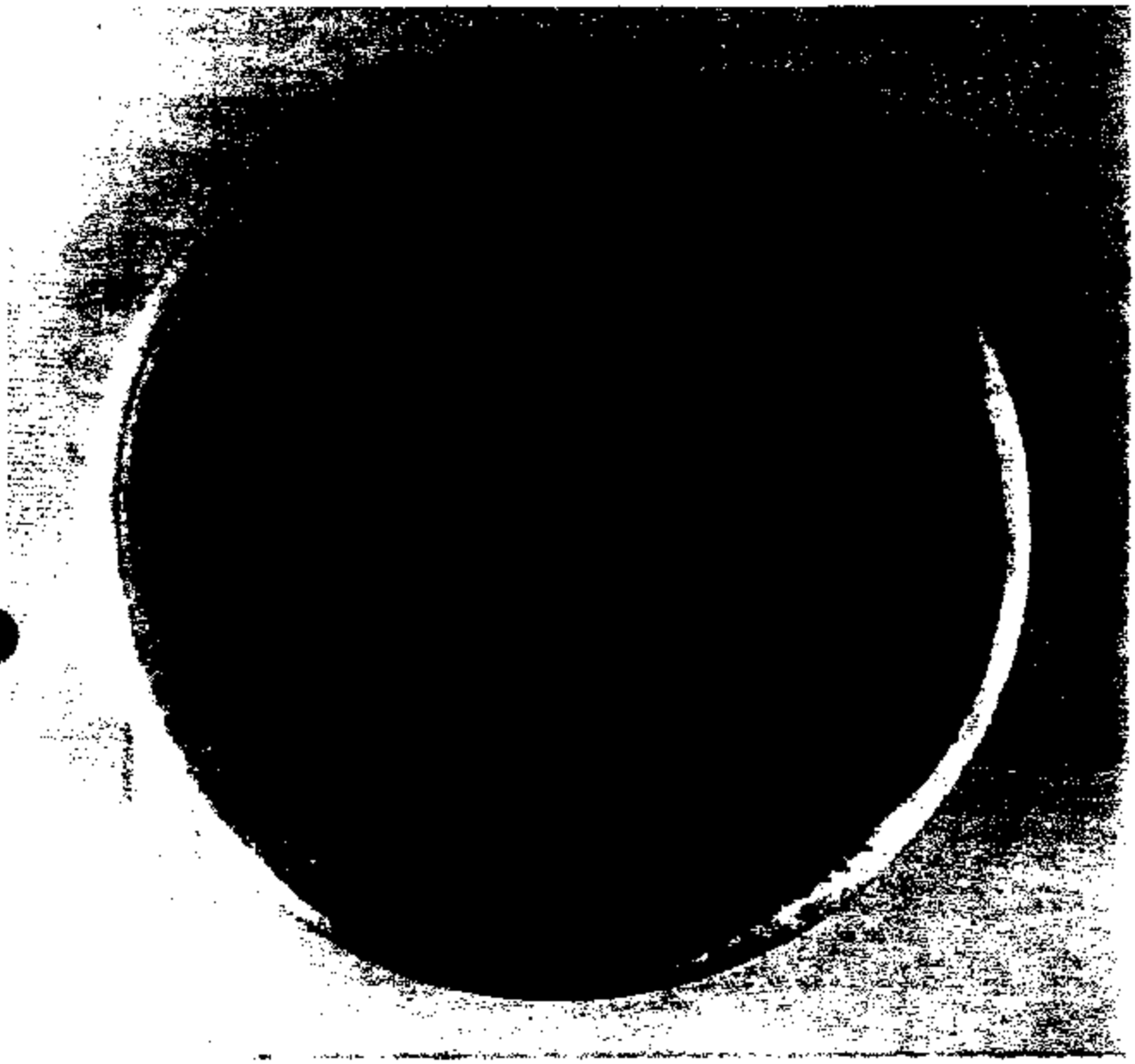

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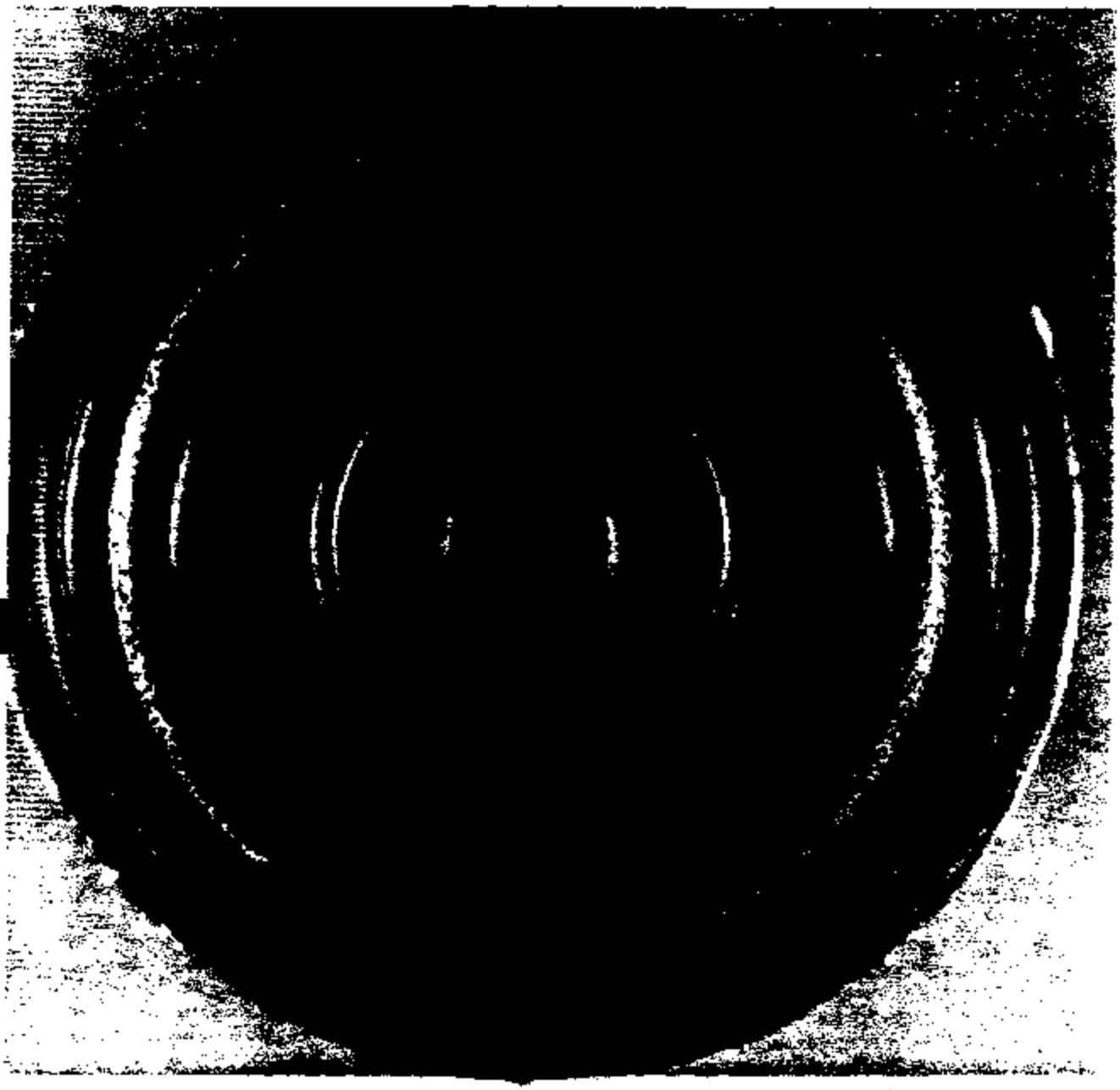

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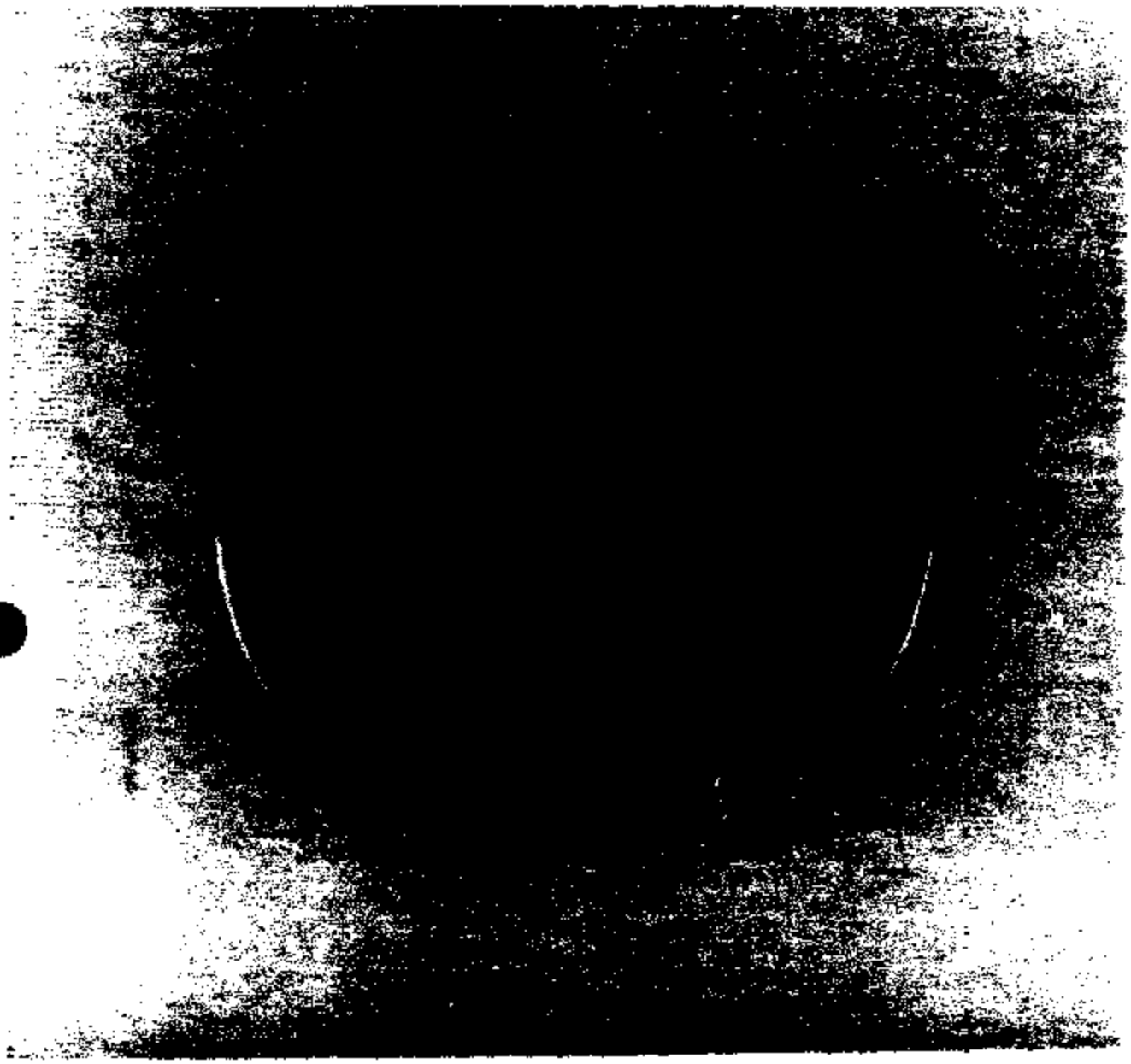
D



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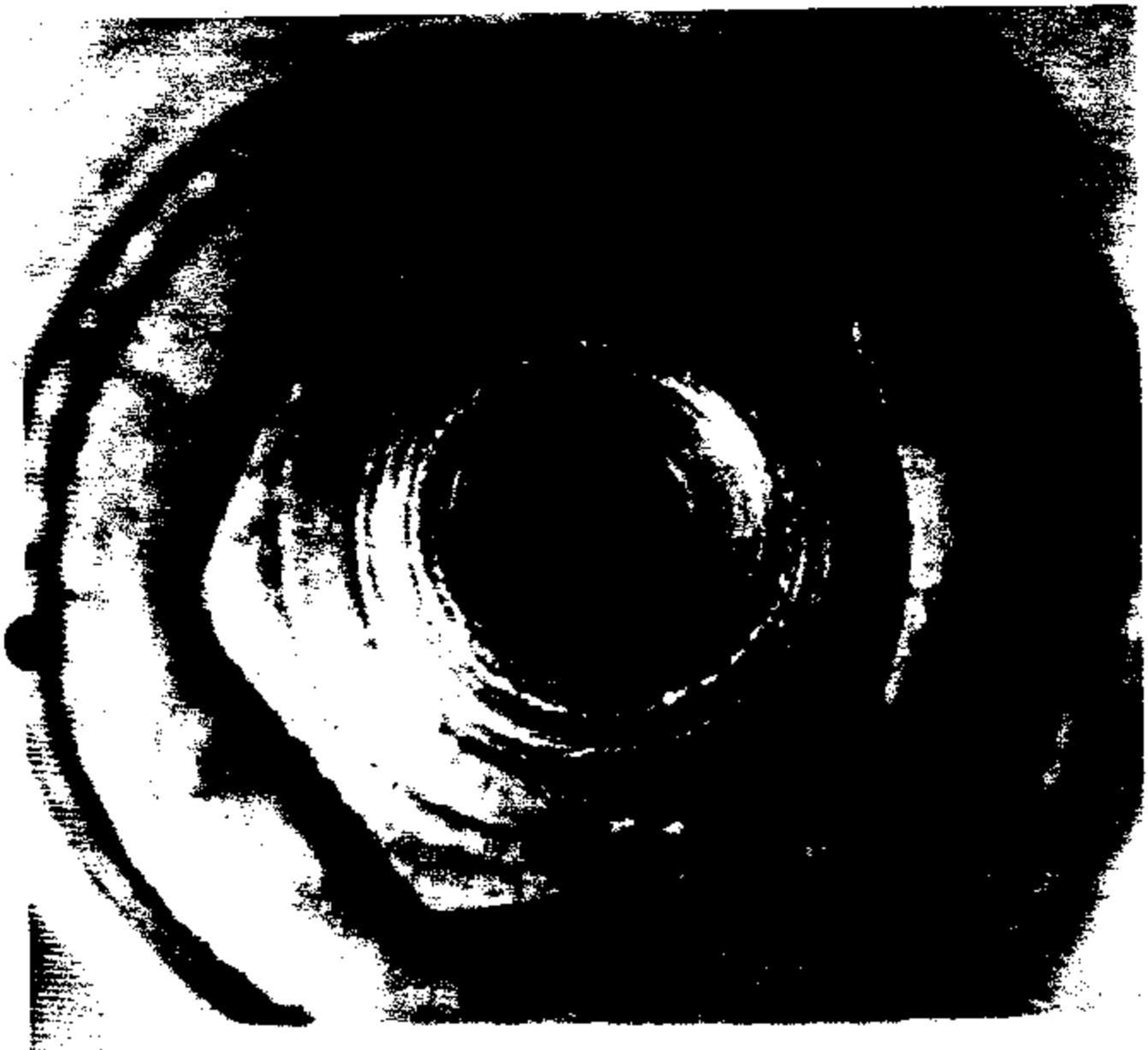

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D

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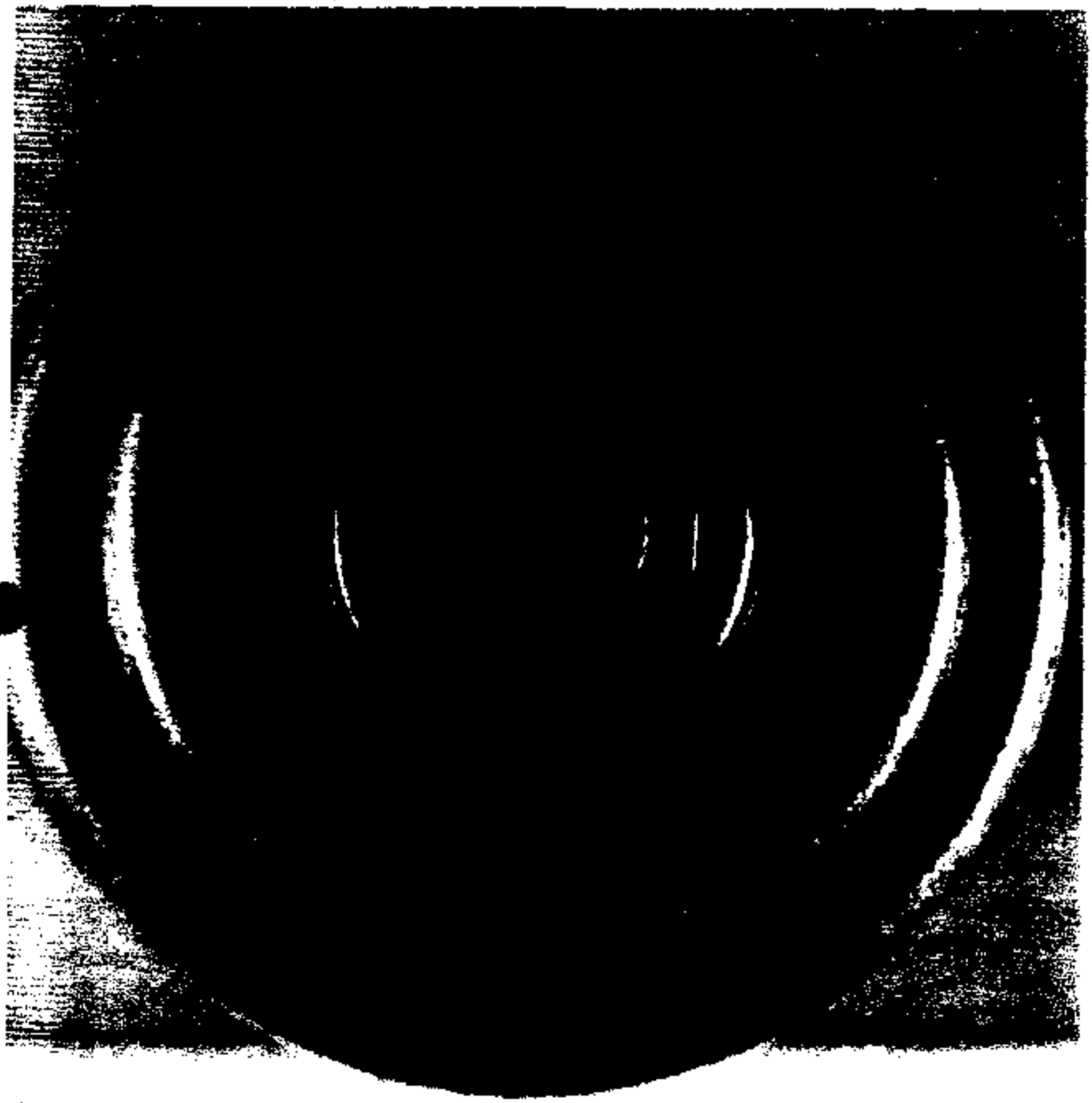

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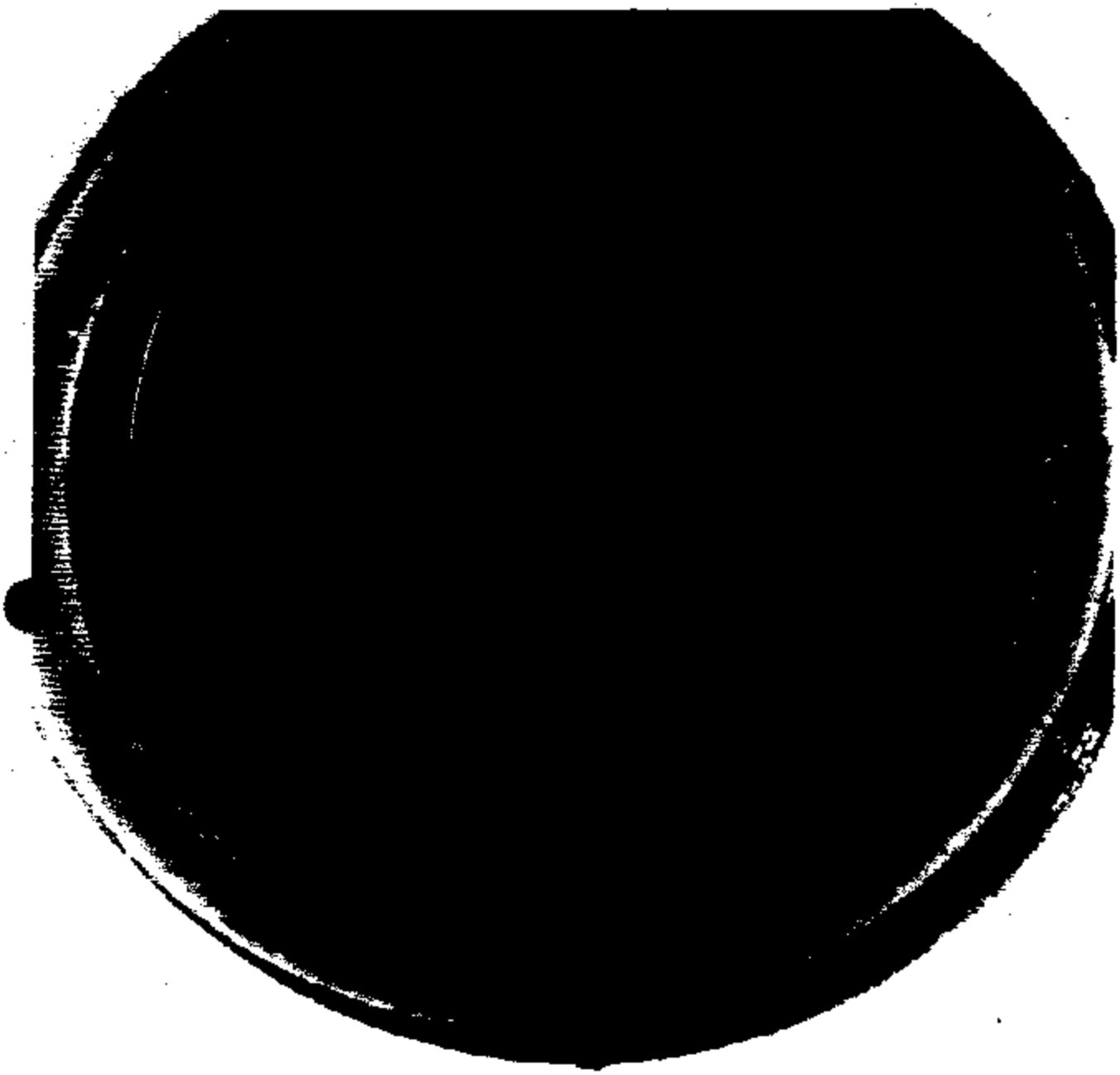

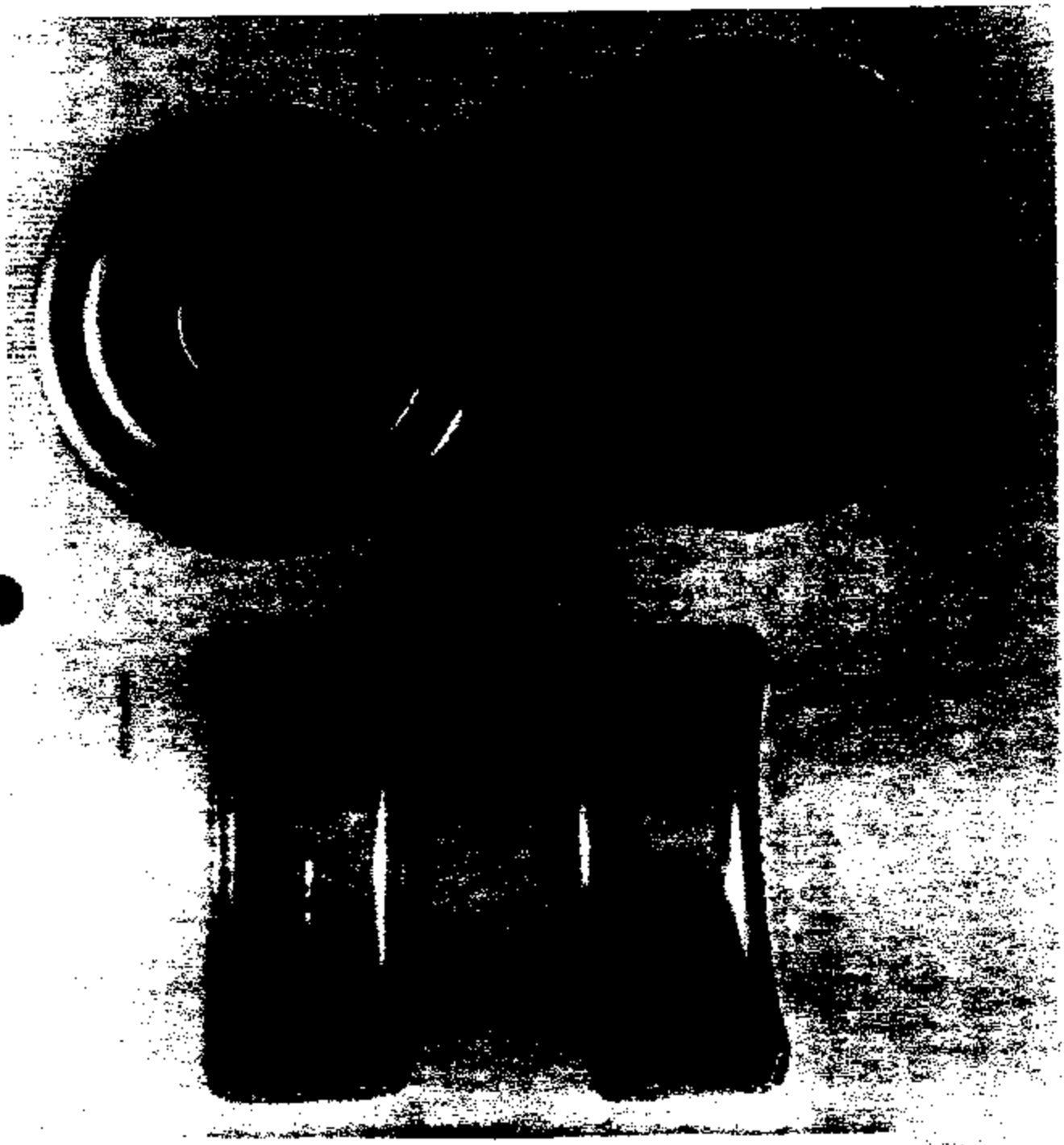

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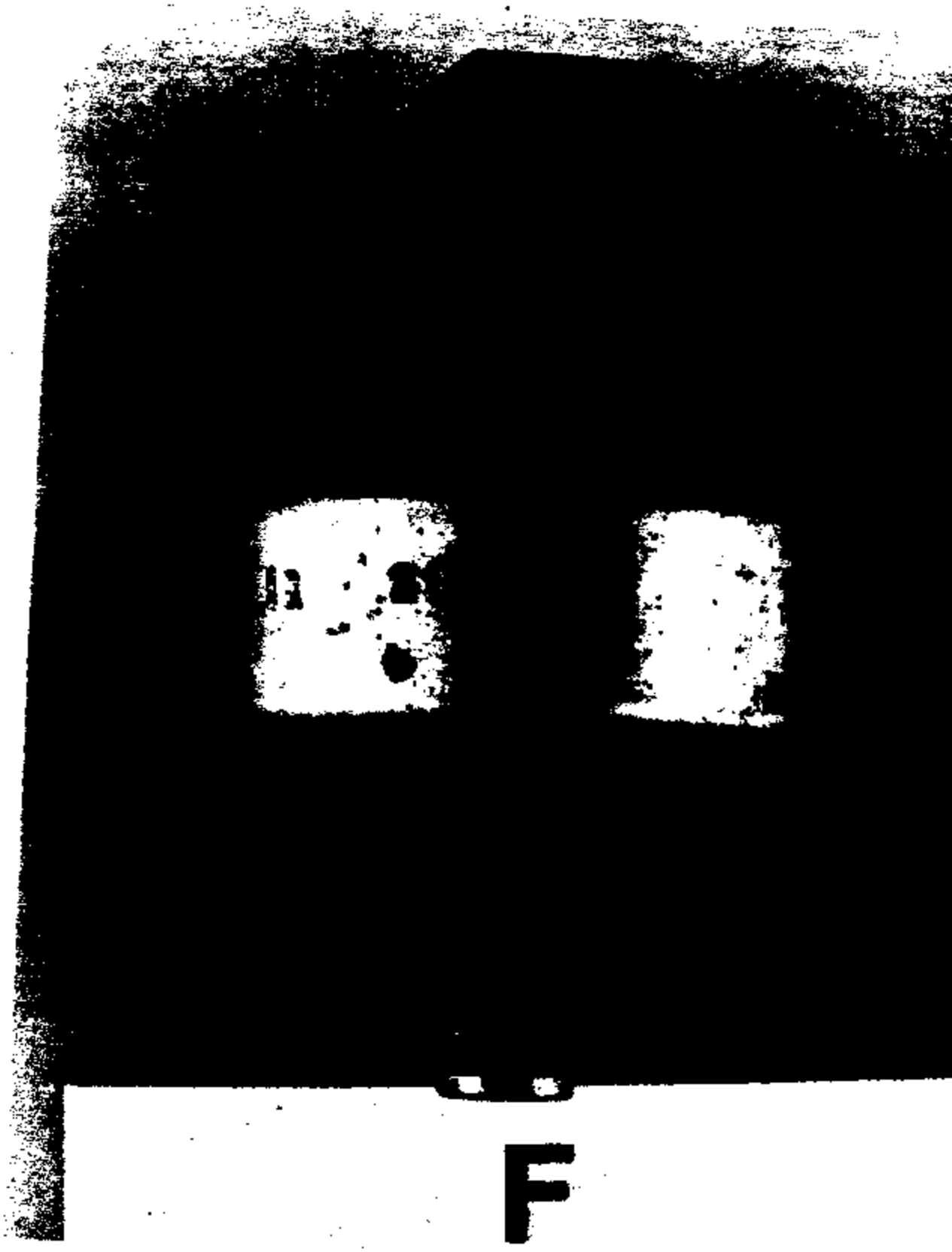
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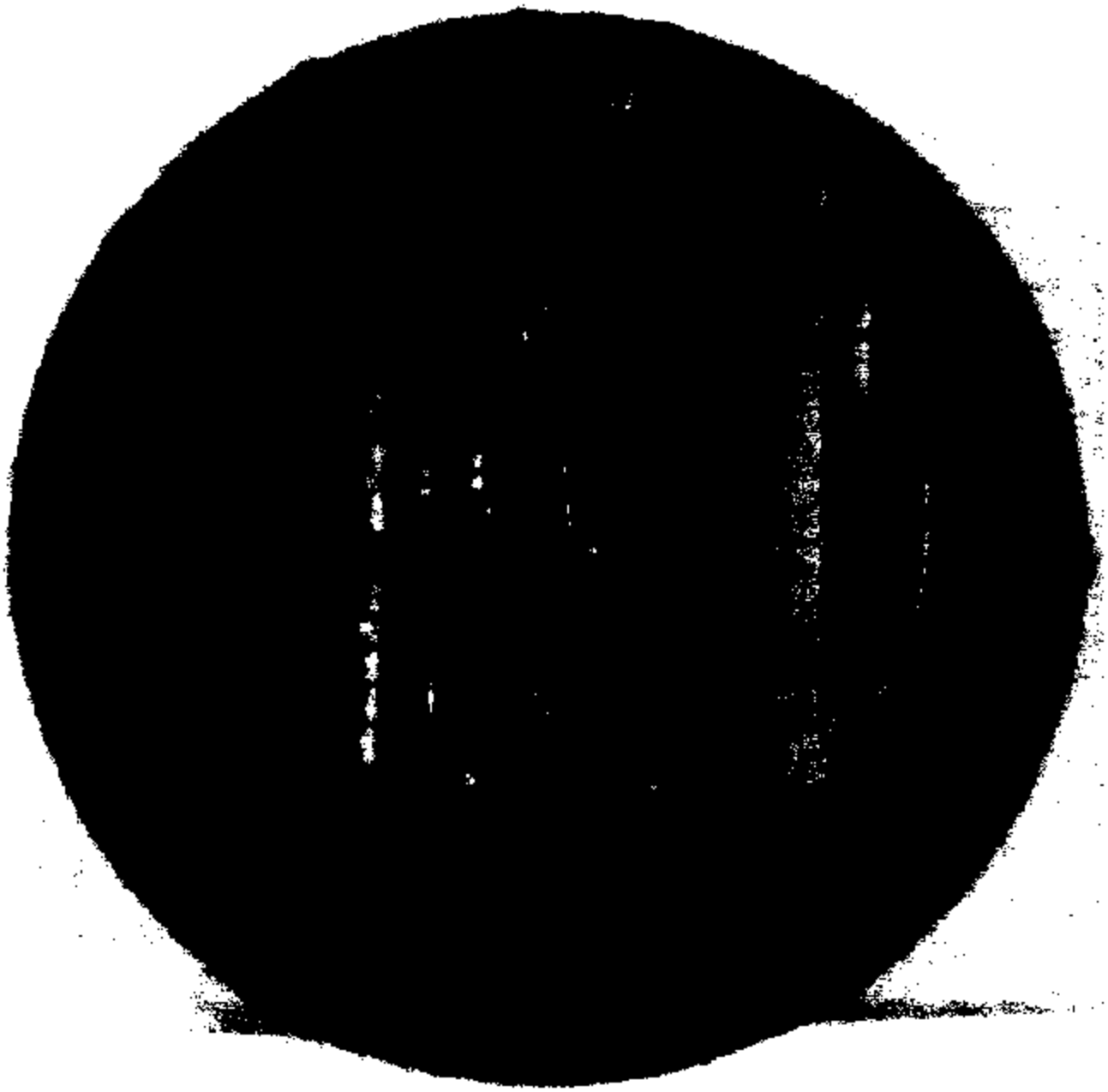

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