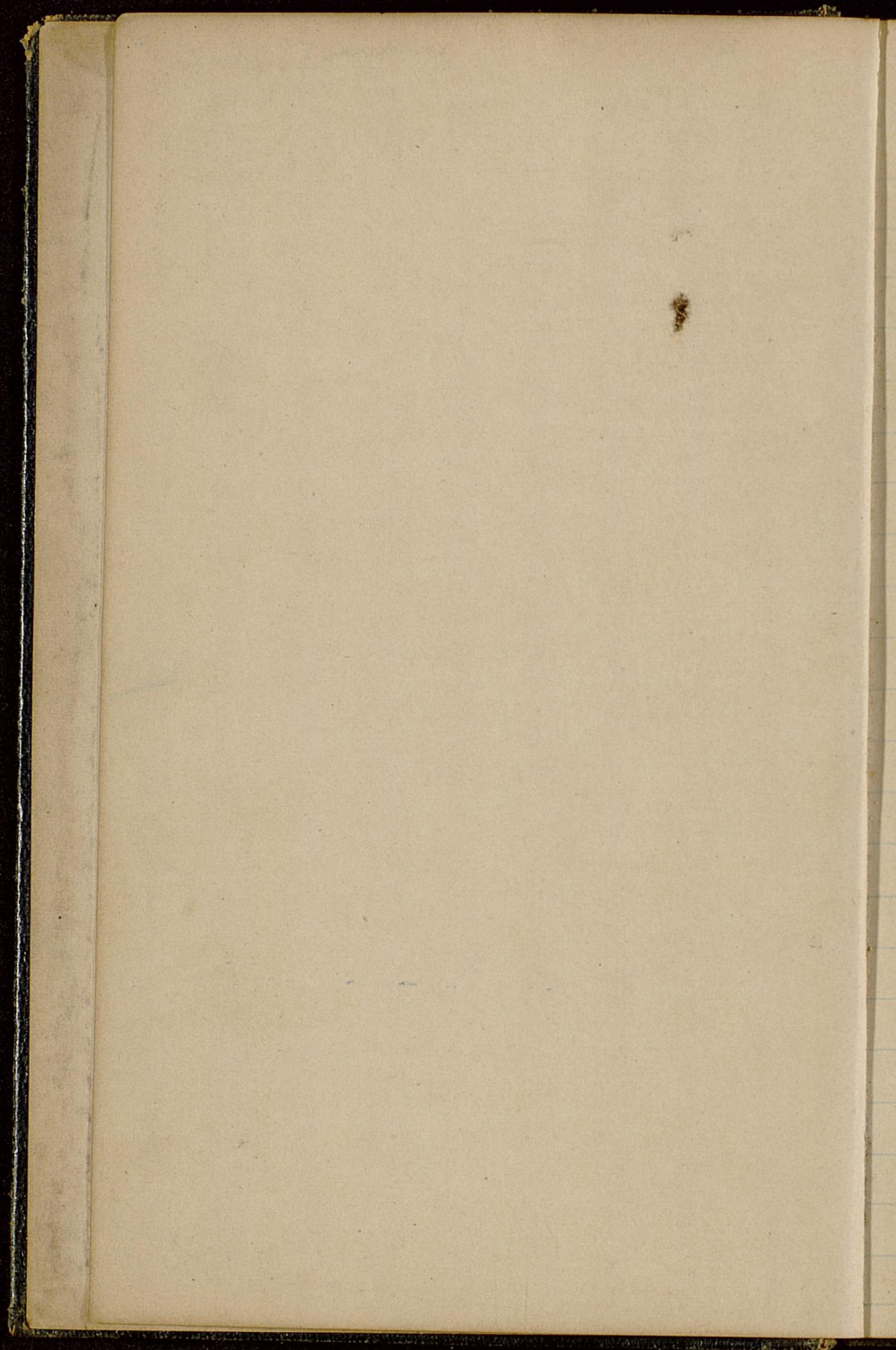


John Hunt
Arkland
Ky.

Amity



1

Limestone Ore Belle Fourche Furnace
Hydrated Oxide of iron in form
of pot ore -

Composition dried @ 212° F.

Oxide of iron	80.30	metal	56.23
Brown oxide Manganese	.55		
Magnesia	.40		
Potash	.34		
Soda	.01		
Phosphoric Acid	.60		
Silica fusible Silicic	6.55		
Combined Water	<u>12.12</u>		
	100.67		

Hy. Geo. Survey Vol 2 Page 177 N° 307.

no. 1 Bellefonte

Limonite } Hydrated oxide of iron in
form of Pot ore Bellefonte Sumner

Composition dried at $212^{\circ} F$

Oxide of iron	80.30	.56.23 per
Brown oxide of Magnesia	.35	
Magnesia	.40	
Potash	.34	
Soda	.01	
Phosphoric Acid	.60	
Silica & insoluble Silicates	4.53	
Combined water	12.12	
	<hr/>	
	110.67	

Amanda

No 2

Limonite "But Limestone ore"
 Powder rich brownish yellow ochre

Specific Gravity 3.072

Composition dried at 212° Fahrenheit

Oxide of iron	57.10 = 40.03%
Carbonate of Lime	9.35
Magnesia	1.49
Ammonia	1.65
Oxide of Manganese	.37
Potash	.18
Soda	.09
Combined Water	9.80
Silica & Insoluble Silicates	20.07
	<hr/> 100.00

In air dried lost 1 pt of moisture at 212°

L
No 3

Bellefonte

Gray Limestone Ore x

Carbonate of Iron - (Powder light gray color)	
Specific Gravity	7.4
Composition dried at	212° Fahrenheit
Carbonate of Iron	42.24
Oxide of Iron	2.68
	} = 31.93 pr 7
Carbonate of lime	2.75
Carbonate of Magnesia	3.43
Carbonate of Magnese	1.12
Alumina	5.15
Phosphoric Acid	.54
Potash	.44
Soda	.15
Silica & undouble Silicates	18.17
Water, Bituminous, water & air	3.33
	100.00

Lost 0.6 pr of Moisture dried at 212°

Bellefonte

5
1844

Blue Limestone Ore.

Carbonate of Iron - Powder, dirty Buff color

Specific Gravity 3.111

Composition dried at 212. F. H₂O

Carbonate of Iron 54.58 } 30.74 pr of iron

Oxide of Iron 4.86 }

Carbonate of lime 2.95

Carbonate of Magnesia 2.17

Carbonate of Magnesia 1.58

Ammonia .25

Potash .44

Soda .38

Silica & insoluble Silicates. 30.10

Water, trace of Phosphoric acid

and loss .59

100.00

Lost 1 pr of Moisture

no 5 Bellefonte

Limestone, grey with shells. Powder almost white

Specific Grav. 2.687

Composition dried at 212° F.

Carbonate of Lime 97.17

" of Magnesia 1.39

Oxide of Iron & Alumina and

a trace of Phosphates 1.17

Potash .11

Soda .09

Silicium sesiam .55

100.48

Lost 0.4 per cent of water

Buena Vista

7
26

Limonite Black crin x

Spec Grav

3.044

Composition dried at 270° F.

Oxide of Iron

61.18

} 46.57 per cent of iron

Carbonate of Iron

7.48

Carbonate of Zinc

2.15

Carbonate of Magnesium

2.93

Carbonate of Magnesia

2.12

Alumina

2.27

Potash

.45

Combined Water & Loss

10.29

Silica & insoluble Silicates

11.23

Sulphur, a trace

100.00

Bumai Vista
Nos { 7 & 8 }

No 45 Limonite. Yellow Kidney ore } 30 ft ab
No 46 Limonite Earthy Kidney ore } the 3 feet. Co
Spec Grav No 45 = 3.132 No 46 about 3.

Composition dried at 212° F.

	No 45	No 46
W No 7		
Oxide of Iron	68.10 = 47.69	58.90 = ^{41.24}
Manganese	2.93	4.15
Phosphoric Acid	.43	.10
Oxide of Magnesium	1.64	.98
Waxymia	.67	2.40
Potash	.54	1.58
Soda	.13	1.48
Carbonate of Lime	0.00	3.15
Combined Water	11.67	11.26
Silica & insoluble Silicates	13.05	17.87
Carbonic Acid & Loss	.84	.00
Loss	.00	.25
	100.00	100.00

Thin if 30 ft above core
an ore and the same
vein of ore

Buna Vista

Hay Dark glassy Cinder No 47

No 330 Peabuckin Cinder

Composition

Silica	56.90	58.00
Lime	13.20	12.46
Magnesia	3.46	2.19
Alumina	20.50	20.50
Protoxide of Iron	2.43	3.51
" of Manganese	.51	1.21
Potash	3.16	2.12
Soda	.36	.55

Buna Vista

No 48

Pig Iron. Dry Iron. fine texture

Specific Gravity 6.913

Composition

Iron 91.88

Graphite 1.65 } = 5.80 Total Car

Combined Carbon 3.15 }

Silica 3.27

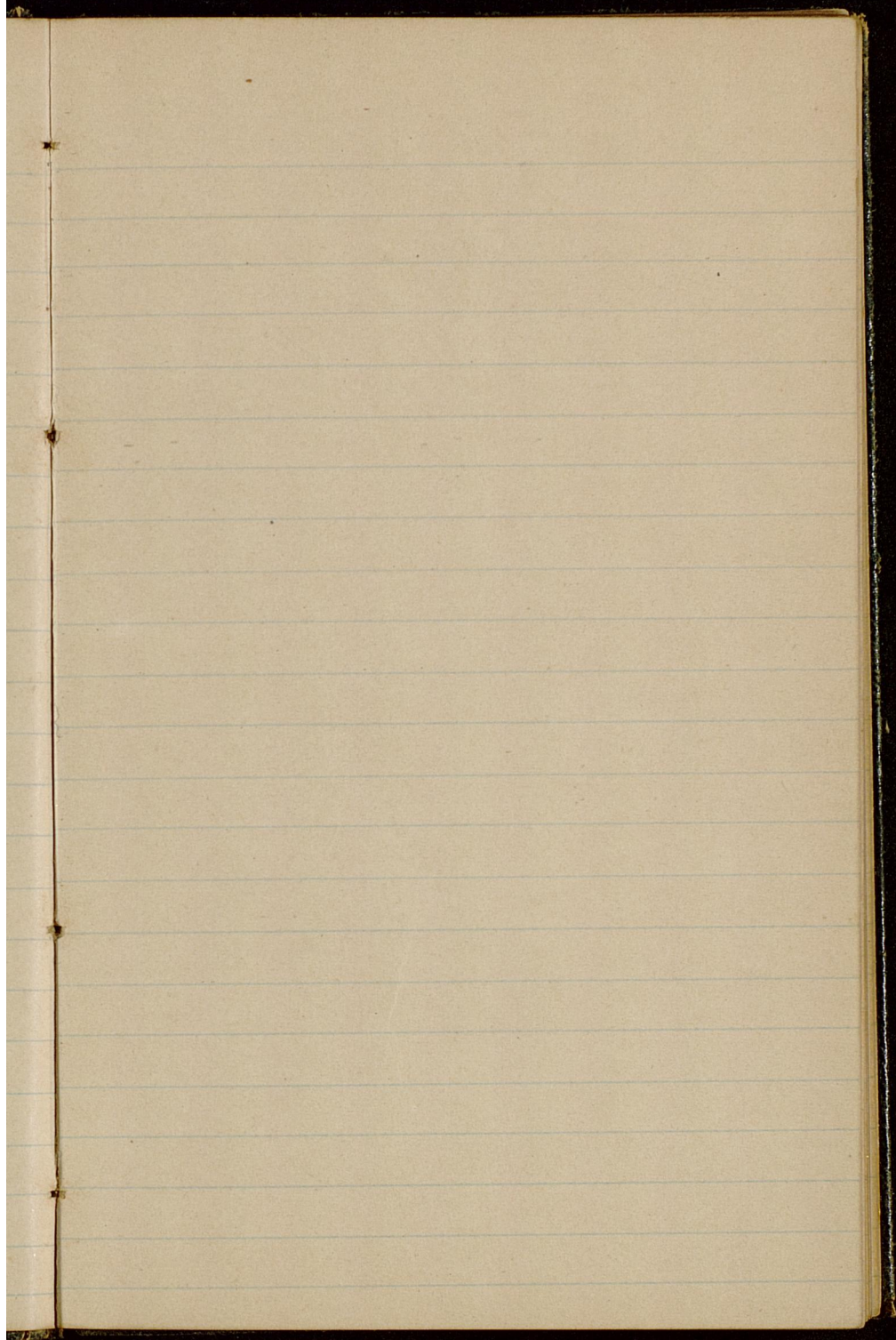
Manganese .35

Mg .30

Aluminum .17

Traces of Phosphorus

and Sulphur 100.67



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PAGE(S)**

Miss Nettie Kate Meant,
Daughter of Dr John Leland Meant,
Dallas Texas.

Miss Elise Telders 1900
Gwolle, Holland

Mrs Robert M. Mitcheson } 1522 North 15th St
Mrs R. S. J. Mitcheson } Philadelphia
The Columbia 1899

Mr & Mrs, Wm S. Van Clief
West Brighton (Broad View)
Staten Island, N.Y.

sister Min Carrol

Capt Thomas Meredith,
Duarte,
California.

J. B. Ventre Bookstore,
597 Fulton Street.
Brooklyn, N.Y.

Miss Helena C. Augustin } The Columbia 1900
Mrs Moss Kent Platt }
Plattsburgh, N.Y.

Mrs. Henry Woods. At Columbia Astory P. 1899
West End Hotel St Louis Mo.

Mr & Mrs Thomson E. Goring at the Columbia 1899
Wappingers Falls
New York

Mr & Mrs Hugh Mullen At the Columbia 99
dau-
10 Gates Ave
Montclair
N.J.

Mrs J. L. Hudgins & dau. Marie 1899
2130-6th Ave The Columbia 1899
Birmingham
Ala

Frank P. O'Brien & wife
Birmingham The Columbia 1899
Ala

899 Mrs. M. A. Means. ~~215 St. Mary Street~~ 1896
San Antonio Texas 1897
Miss Sadie Rebecca Means 215 San Pedro Ave
1899 married Hugh M. ^{W. Lee} Taylor (1898 Lando Texas.)

F. J. Adams Resi 663 Franklin Place Milwaukee
Business 92 West Water St.

99 W. E. Sheldon 51 Highland Street
West Newton Mass.

Thomas A. Mack
1898 Primus 197 Fulton St.
Poillon Building Cor 61 St & Central Park West

Miss Anna C. Masterson } No 5 Chestnut St.
Peter J. Masterson } Albany N.Y.
John Philip Masterson }

899 Miss Lola J. Sherman & Mother at the Brunswick
Amenia Albany Park N.Y. 1898
N.Y.

Kenny L. Butler

(Office) Thom's Building 5th & Main St. Cinti. O.

John F. Winslow

2806 Reading Road, W. Walnut Hills
+ 43 St Paul Bldg. Cinti. O.

J

Henry Merry (Capt)

606 Wilson Ave

Cleveland O.

Misses Agnes and Loretta Schroder

Mr Johnson 1615 Encampment Street
Covington

Mrs Frederick Leon Hasdorff = Agnes Schroder Hasdorff

14 Church ~~Place~~ Church Place

Rochester N. Y.

Hon William C. Baker (Mayor)

217 Hope Street

Providence R. I.

(at Va Hot Spas 1899/13)

Mr Henry Hummiston
82 Park ~~Ave~~ Ave Chicago. Ill

R. R. Litch d. 189

Care of W. S. Nang Dept, Warington D. C

or 51 Oxford St Brooklyn
Mrs R. R. L. ^ 189 La Fayette Ave do (1900)
284 De Kalb Ave " 1901

James D. Henry
S. W. Cor 3rd & Walnut St
Cincinnati

E. A. Ferguson
946 Dayton St
Cincinnati Ohio

off

Mr Archibald Young
Bath Beach Kings Co - N.Y.

Mrs B. B. Gaylord (Margaret J.)
176 Magnolia Ave
Riverside Calif

(3)

Joseph J. Lemutter
1895 ~~657~~ ~~Amson St~~ - Youngstown Ohio.
1900 528 Yaffe Ave "

John J. Spalding
75 Spark St
Cambridge Station Boston - Mass.

Rev George B. Frager
(1895) 434 Bakerwell St
Covington Ky

Miss Mary A. Thorn,
" Kate Thorn,
(1895) 2032 Bainbridge St,
Philadelphia.

Robt Preston Meant
1895 with Virginia & Alabama Coal & Coke Co
Birmingham Ala

Lewis W. Shaffer (1895)
2027 Auburn Ave
Cinti O.

Dr. L. N. Worthington
A.D.
1895

47 Ave Henri Martin Paris

Miss Maria M. Woodbridge

332 Front St.

Marietta O.

Mrs Sarah N. Lovell

219 Putnam St.

Marietta O.

J. C. Shedwick

420 Locust St, Philadelphia ^{West Side} Pa.

Henry Hanna

504 ~~to~~ East 4th St, Cincinnati O.

Ed. M. Roberts

Atlanta Ga.

Washington Pa.

Mrs S. Jagers M.D. (Dally Jones)

121 East 89th St

N.Y. City

1887

Bankers ~~Address~~

Circular Letter of Credit No 924 First Nat Bank Cinti
18th August 1887-

Berlin Gebrüder Schickler, 16 Bestrauden Strasse

Geneva Lombard, Odier & Cie

London The City Bank, Limited

Paris Messrs Havjes & Co
Messrs Haussmann & Co 7 Rue de la Harpe

Rome Spada, Flamini & Co.

Boulogne S. M. Adam & Cie

10 Rue Napoleon

Paris Messrs Havjes & Co @ 31 Boulevard
Haussmann

1879-

Bankers Address

Circular Letter of Credit N^o 30/311
Messrs Schuster Son & Co.
N^o 90 Cannon Street
London England
E.C.

issued the 30th May 1879
by
Heidelbach, Baur & Co.
Cincinnati O. £ 1,200.

Amsterdam, Goll & Co.
Antwerp, C. J. M. de Wolf
Baden Baden, G. Müdler & Comp
Berlin, Bank für Handel &
Industrie,
Brussels, Frank, Model & Co.
Cologne, Salomon Oppenheim & Co.
Copenhagen, Smidt & Lemaire,
Dresden, Robert Thode & Co.
Florence, Camarillo Ferzi & Co.
Geneva, Lombard, Odier & Co.
Hanover, Adolph Meyer

1879. Address co.

Lyon, Aynard & Ruffet.
Marseille, Rodriguez & Carcassonne.
Mayence, (Mainz), Schmitz, Heidelber-
ger Hec.

Milan, Weil & Schott Hec also
Ulrich & Co.

Munich, Merk, Christian Hec.

Naples, Meuricoffre Hec.

Paris, Drexel Hargis Hec.

Rome, Maquay Hooker Hec.

" , Schmitt, Nast Hec.

Venice, S. & A. Blumenthal Hec.

Vienna Dutschko Hec.

Warsaw, P. A. Fränkel.

Berne, Banque Federale Suisse
Strassburg, Alsace, C. E. Ehrmann

Dr. W. A. Hammond

No 43 West 54th St. New York City,

George Ham

Pine Springs P.O.

Rowan County Ky.

Thomas M. Adams

Sanford Orange Co. Florida

John C. Means

Paris Edgar Co Illinois.

W. B. Means Boone, Boone Co, Iowa

Mr. Wm. Uphur Means

Green Bay Wisconsin

Mr. Means Box 86 Allegany
care of Lindsay V. M. Cutcherson Pa

Miss Ella Gould

2247 Calumet Ave, Chicago.

Leahet Briggs
North Rochester - Mass -

John Fulton
Mining Engineer Cambria I. Co.
Johnstown Pa -

J. A. Foster (of Spartanburg S.C.)
358 Broadway N.Y. City

E. H. R. Lyman
34 Remsen St. Brooklyn N.Y.

Frank Lyman
34 50 Remsen St, Brooklyn N.Y.
Edward A. Low
150 Montague St. Brooklyn N.Y.

Mrs James W. Edgerton
646 Portland Ave St Paul Minn.

S. Hildreth Ross
West Chester Ia

Judson A. Butts M.D.
Brunswick Ga.

+ Mrs Frank Toepass ^{Tr}
No 3 West Rock Terrace
Warwick Warwickshire
England.


Miss Narcissa P. Ellison
Sharps P.O. Indian River Fla

4. Alfred M. Spalding M.D.
419 West 145 St New York City

George A. Spalding
248 Lenox Ave New York

Misses Kate and Mary^A Thorne
1890 ~~1711~~ Summer St Philadelphia Pa
1895 203V Burtwy St "

Peter Shiras
Ottawa Kansas

† Son Frank Toepass - (Cadet) H.M.S. Conway Feb 1900. 

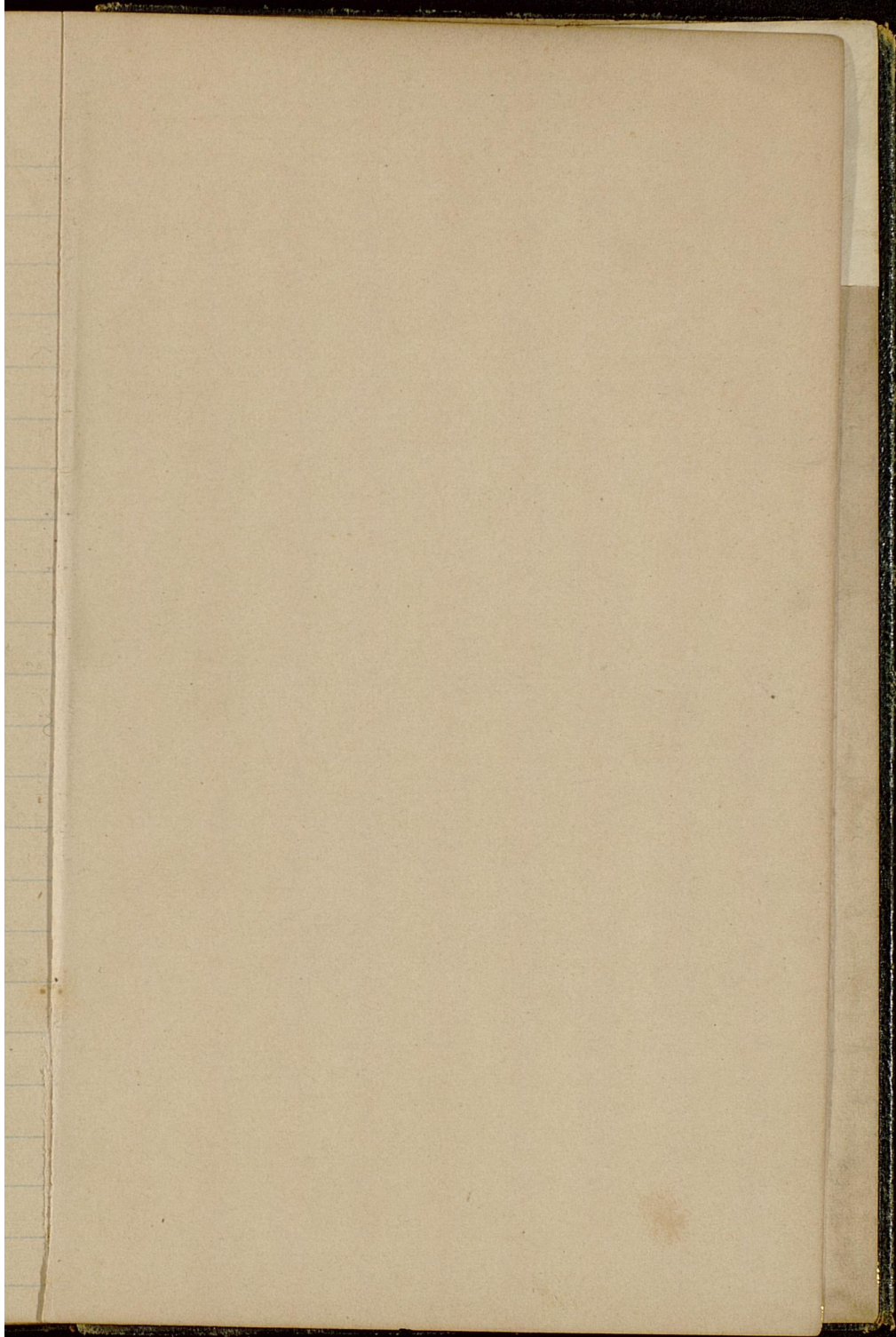
Flux		Leim
J. Mh	100 pounds	15
Nat	100 "	36
P. Kurb	100 "	66
Mill Cinders	100 "	120

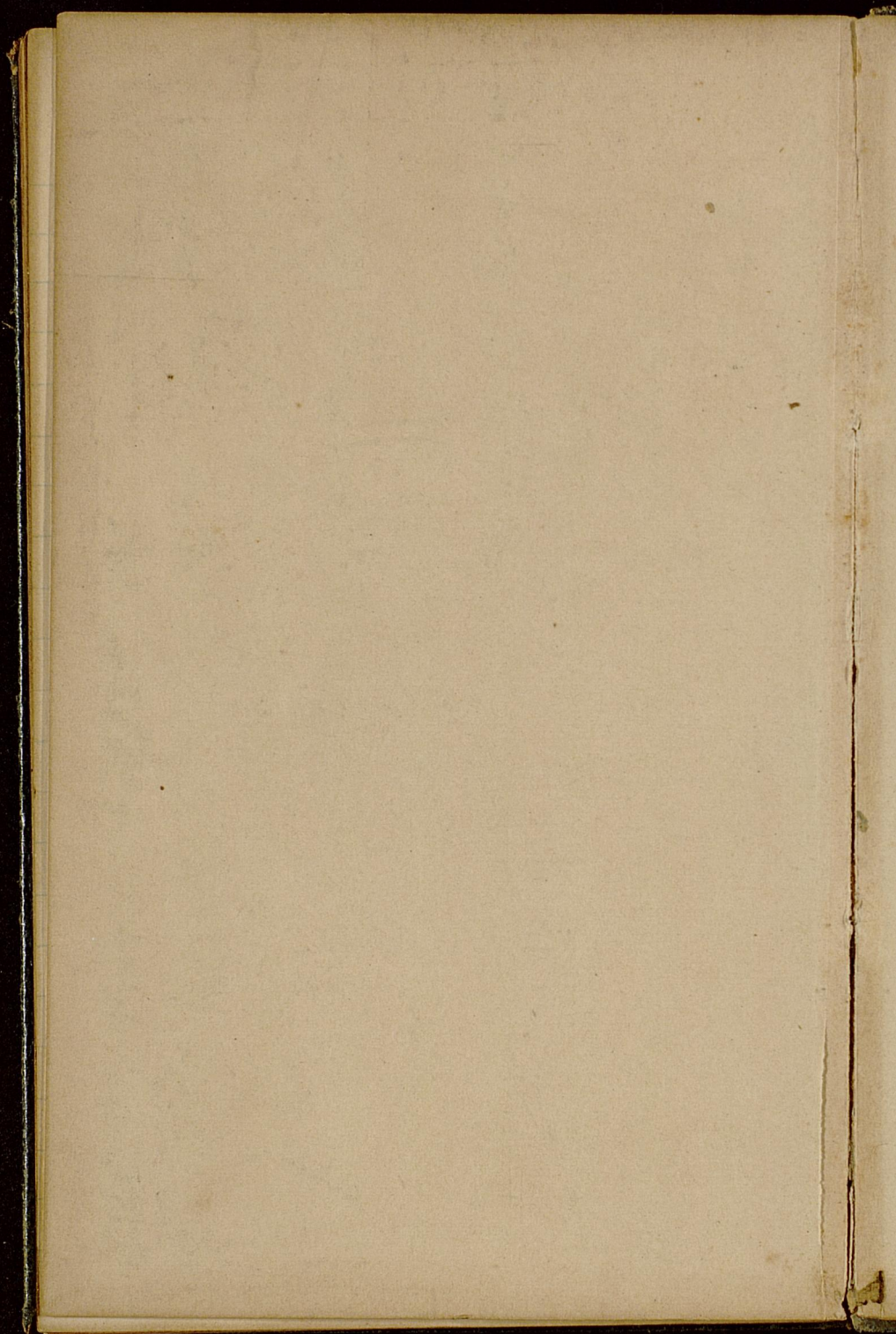
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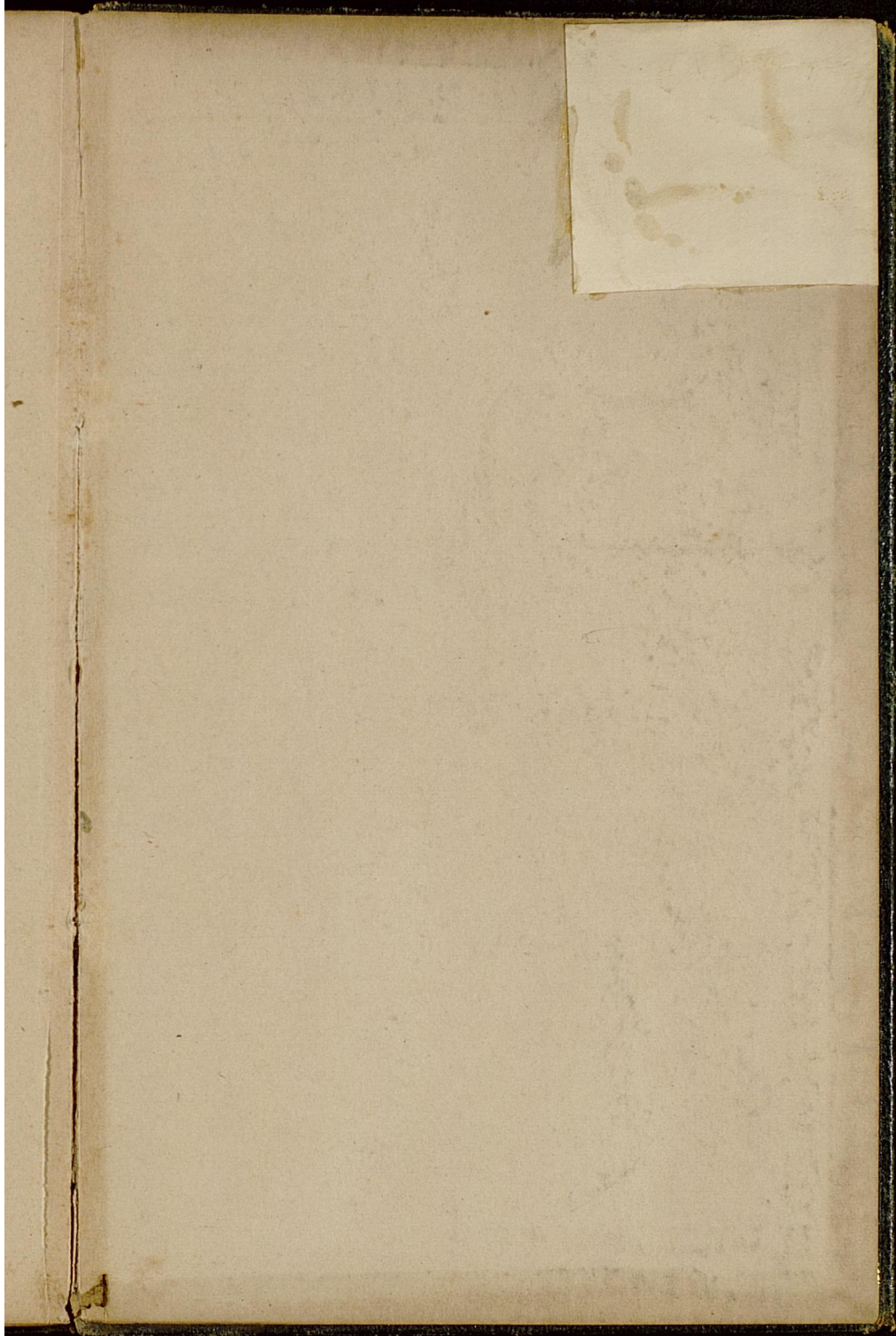
.12 Silicium in Nativ

.32 " " P. Kurb

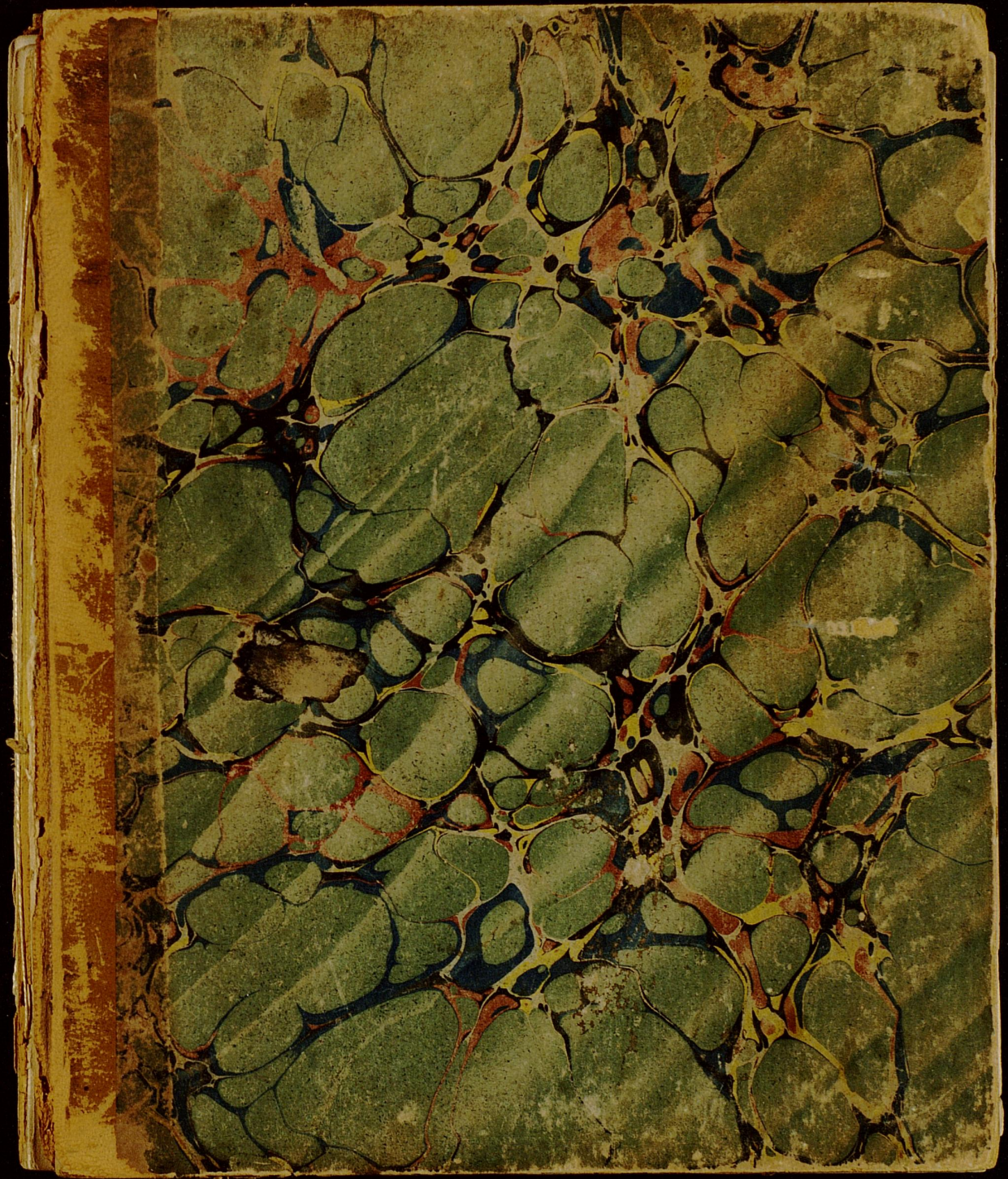
.40 " " Mill Cinders

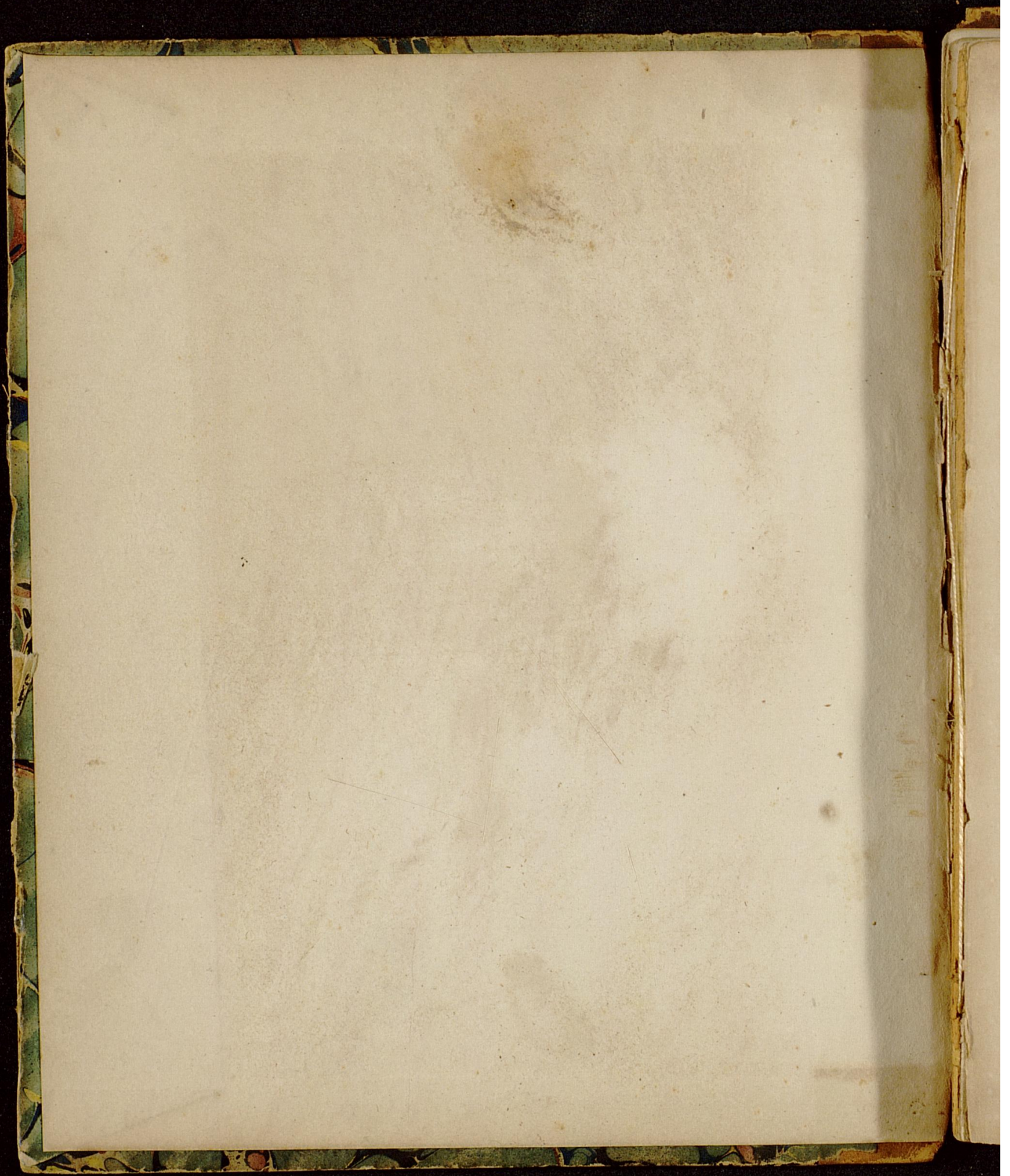


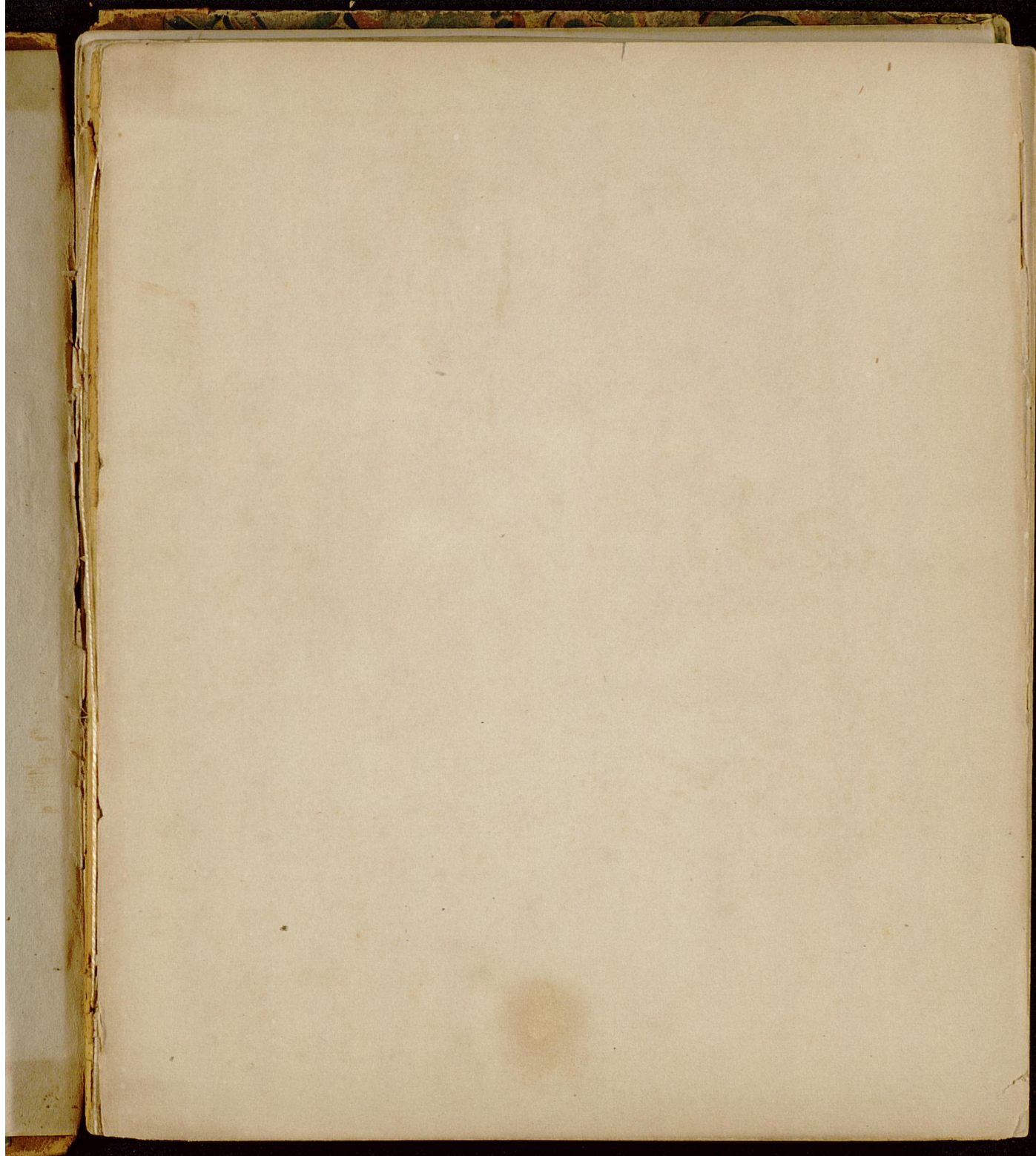


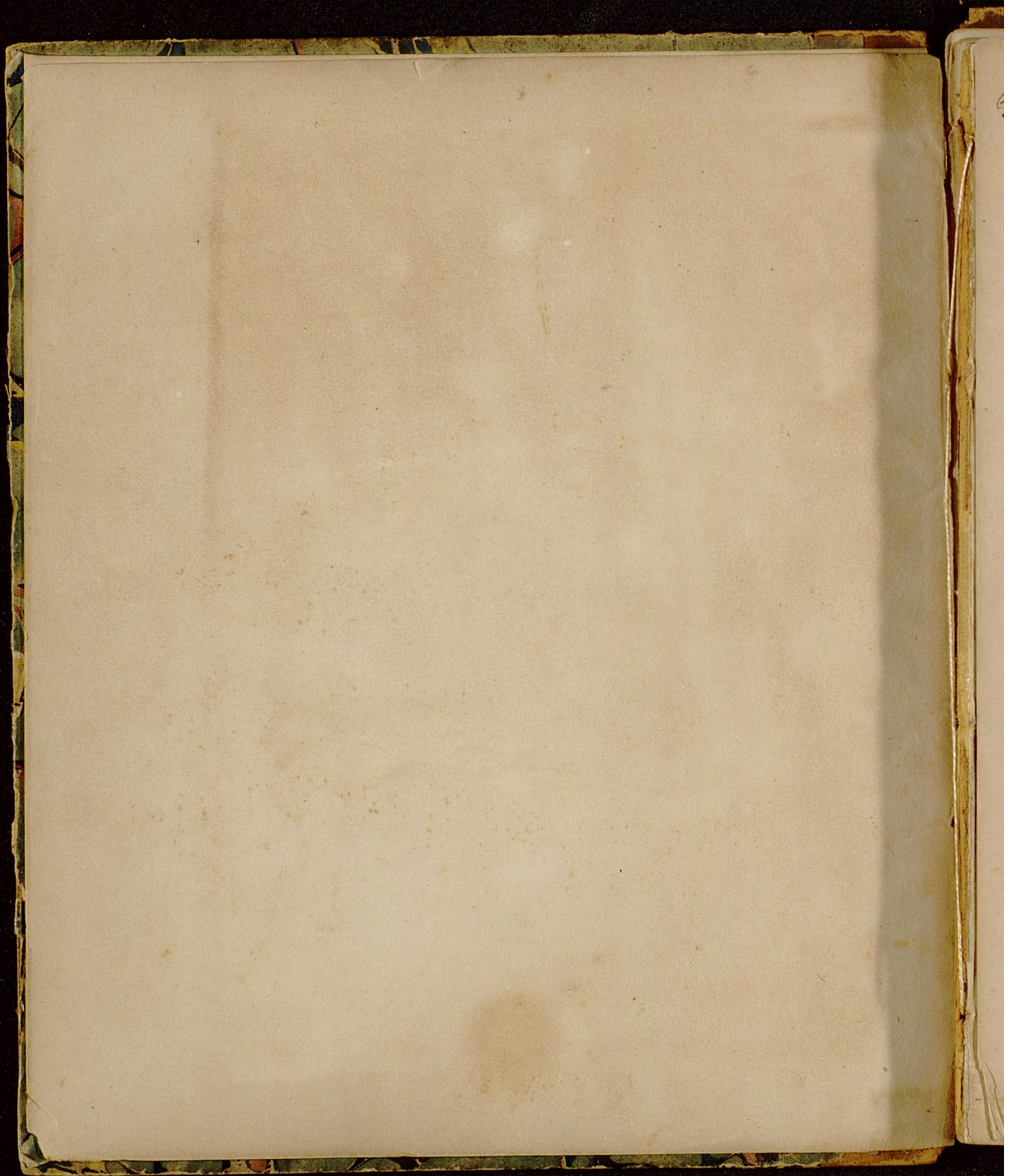












The Supplies

Commencing at Page Ten this side
contains nothing of importance or
interest to any one but myself.

John Meany

[Faint, illegible handwriting, possibly bleed-through from the reverse side of the page.]

[Partial view of the adjacent page on the right, showing some faint text.]

Friday Buena Vista Furnace Kentucky
1832 December 31st.

Iz fahr an invitation from Mlle C.L. Murphy
zu attend a party at Lucia Dreyfus' abend, und fahrt mit
Herrn James W. Riley for that purpose, aben wenn
Wir noch Gelegenheit sein finden the Ohio river & too
frühe zu cross, Wir erhalten an invitation through
Mr. Charles McConnell from Mlle's Maria Korns und Lenny Scott
zu attend a evening party at Herrn John C. Korns

My invitation wir anneyt, Iz fahr introd-
uctions zu Mlle's Sode Green, Sarah West, Ellen Hockady
- Hockady - Lenny Scott, Maria Korns, Bell Henderson - Bartley
- Spangler 3 - Seaton - Wauhitter H. H.

Iz fahr mit Madam Korns Mlle's Olga Wauhitter
- Bartley - Spangler, Korns, Scott, Green - Seaton, Hockady.

1833 - January 1st Wir spend morning afternoon
und abend mit Mlle's Korns, Scott, & Green

Wir Kart spielen. Iz mochte ein wenig kenten
zu Mlle Lenny, aufiz uf danken Lenny's onny tolln
Und wir (Lenny und iz) promise to meet soon again

Sunday 2 Soll on die landing. Iz ^{früher} Lenny hat nicht forgotten
wir promise - At 12 M leave for night party.

11 Iz zu Bellefonte mit Herr M. Nord und
zurück kommen by Carolina Furnace

1833 Fairbury, Buena Vista June 18, 1833,

- Feb 6 I left you to Greenville before my return.
- 7 I left with Mr. Warts, Henderson, Spangler, & Vaubert, to Porters' country.
- 10. I left you to Crouton to start to Meintan.
- 11. I left on Regtine State, Arrive on 12th
- 15. I left Mrs. Goddard & Miss Goddard, Burt & Skinner from on Allegheny.
- 16. Arrive at home, and start with Mollie to Steelville, where we arrive on 18th - on 22nd Linnie and I understood our return.
- 24. Miss you to Wheelersville and take an introduction to Miss Emma Stewart and
- 25. and on, 25th at Seminary from Julia M. Locky. I left Linnie that it was for you and I left with the children. Mrs. Mearns has promised, but we can not see till I see our own country Mollie, and I leave on the
- 26. Arrive Pittsburg, 26. Arrive at home.
- 28 I left home to Balloufont.
- March: I return to Buena Vista, 6th I left you to go to see about a Ball in Crouton
- 7 I left you to Greensburg and with Mr. Mearns

Feb

u

Apr

1833 Fortbusch Buena Vista fur My
March Kraton und myyogon fur myyogon
for die Doll.

15. Gior Kilny und is ynsa zu Gyonny -
Mir ynsa zu Kraton an dany piffa fadhier
Nanyra vlln naft 16 Kraton zu Gyonny

April 27 Jaf f Bellefonte Furnace burn down

28 Jaf ynsa zu Bellefonte und zu Lattblottling
zahn an introduction zu McWardome
Robinson Biggs Wlln Forts. -

May 3. Glow fionnen Blast 7-8.

6. Jaf ynsa zu U. F. L. und Muttro
yort mio day Mary Anne und Gyor
John C. Adams oron zu bn markind
myyogon die 16th proximo.

25 Jaf ynsa zu U. F. L. um zu fion
myyogon die nsnding und gwruck

26 in a boat fioner.

28 Mr. Lane linton dary at Manchester

June 2 Jaf ynsa zu Star 7 um zu Jafon May
und myyogon myyogon Gyor O'Wang

4 Jaf ynsa zu Bellefonte 5 zu U. F. L
Mit Ellison dort Bell & Ut kommen

1833 Frankfurt Bona Vista Furth -

June 5 Briefe von Manniv. - zurückkommen

7 Briefe von zu Bellefonte 8^{te} Gaine und
von Gerson Wallingford und Holten -
Mollie & John L. Adams von Manniv

by Rev Augustin Barduell, - Briefe von
und von Manniv in und Oxylic
München sind nicht abhandelt -

9 Fort Wallingford und Fortbulla
Holten und Gerson flize, Briefe und
Oxylic und München -

10 Briefe von der Frau von Manniv
von Manniv - Fort Telegraph 11^{te} von
Louisville, 11 - Briefe von zu Manniv
Manniv, 12 zu Manniv -

14 Briefe zu Lexington - Gerson Adams
von Manniv von der Frau von Manniv
von Manniv, in Manniv München
kommen zu Manniv

15 Briefe ist der Manniv an Manniv
zu Manniv Stockton, 14 zu Manniv Mollie
Mitchell - Gerson von Manniv 17 Manniv

18 Briefe von Manniv von Manniv und
von Manniv von Manniv Manniv Manniv

1
1833 Frontiers Penna Vista für Ny
June 18 mir mitfürt für dort itinten=
tionally,

July 19 Zurückkommen, 30 Jul ynfr zu
18th Bellefonte to surry. Porton und Adams
Jost, zu frim abrudf - 2 zu Ohio für

4th Zurückkommen mit Adams, 5 fr
ynft auf Penna für,

9 Jul ynfr zu Ohio für - 10th zu Mt Lancy
und ynfr Mllen Mary Traton und
forbr introduction Mllen Melton
Henry und Lizzy Bizer und Rice -
zurückkommen abrudf -

28 Jul ynfr zu U. & L. abrudf allen assery. Mount
Mllen Mürfin Hron - frort nach offen wolly

29 zu Ernton soll at Gnos Lamybilly ynfr
Mllen Tratt.

Sept 15 Jul ynfr zu Ernton zu Lawrence county
Fair, und ynfr professordum Franklin

Oct 14 Ynfr zu Gnos Hollisters zu sur
ynfr -

20 zu Ernton vor bricklayno und
frim wort Mlle Lizzy Hopkins

24 zu Ernton und blaita mit din

1833 To Fayntues Buena Vista I.
Foulnin undel Dienstag 25th und zuruck
kommen

Nov 19 Fij ynfn zu Cattetsbars zu ynfn yn Cornum
baken in yn Lexington Ohio Land RR.
Oft niest, utrud a toll at Foin
Spurlock - Gahn introduction zu
Mordorn Ward und Mellen Vincent
& Joimball

27th Gann Reils und in ynfn zu MWarage
Finnac und nont Mellen Biggs them
blrite bis 28th und zuruckkommen
Fij ynfn Mellen Biggs heimlich wofft

Dec 22nd Fij ynfn zu krayen mit Gann Bell und
zu utrud a toll. Gahn introduction zu
Mellen Hords, Loble, Jones, Scott, & H.

30 Fij ynfn zu Gann McCannels und ynfn
Mellen Caroline zu a toll at Hagerband
kump Gahn introduction zu Mellen Warruck

31 und labandan - 31. Gahn zu finm mit
Gann Adams und Fletcher & Mellen Kellian

1853

Warman 4th
zurückkommen -

1834
Jan 6

Freitag Buena Vista Jamaica
Ich folge Frau Wiggins zu mit verkauft
und verkauft fünf Dollars von Hausgast
und ist nicht für meinen ~~...~~
mir. Of so well

10 John B. Adams Mollie & Kate here

14 Rio mittwochsessen in New Goups

Feb 6 Ich bin krank

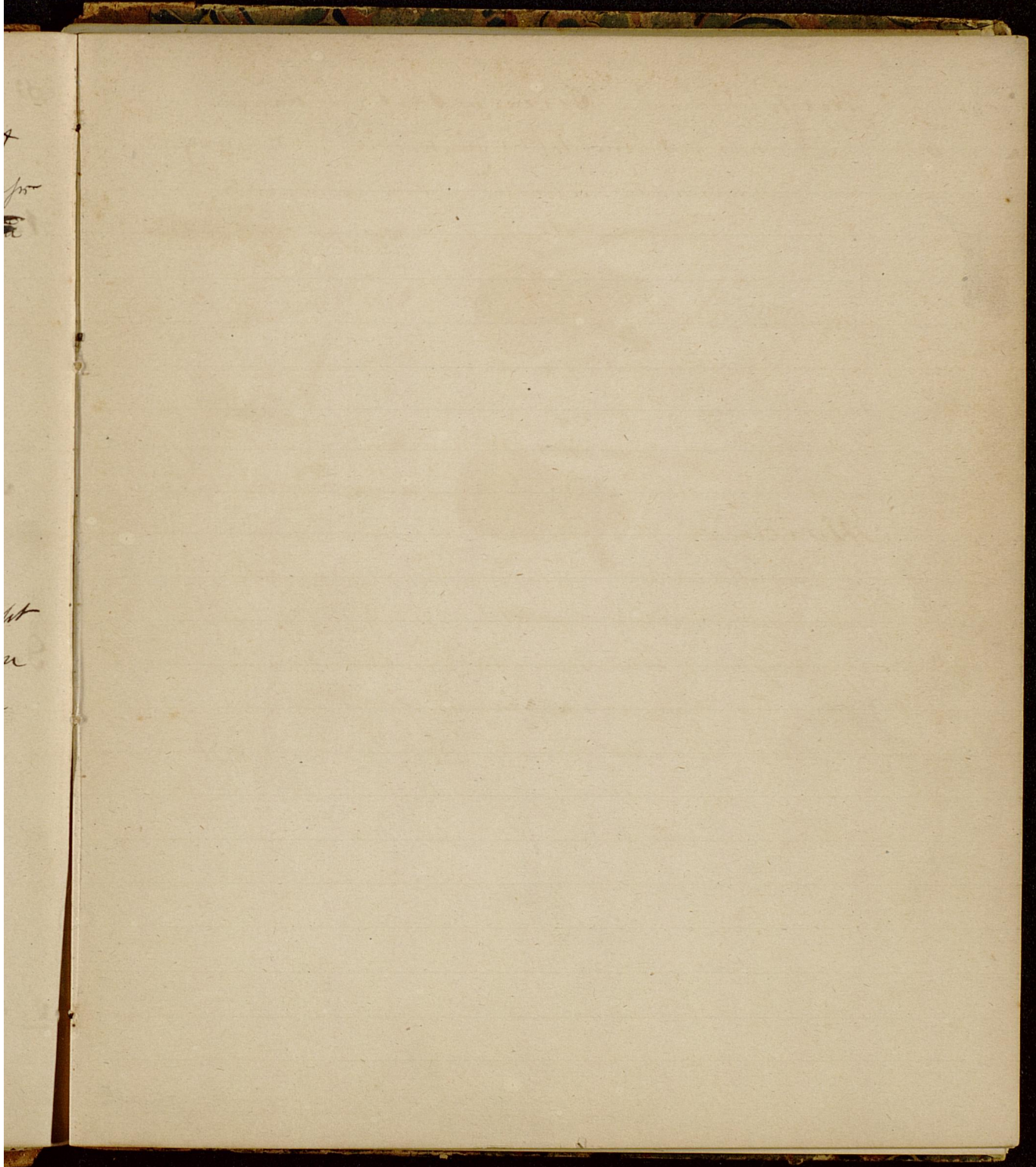
13 Ich bin nicht besser aber esse mit Mrs
Bell von Ofis 15 Mann Vespern
Middays Adams fort zum Vorn

16 Ich zurückkomme mit Mutter

23 Ich esse zu breakfast und blute nicht

24 Ich esse Mollie Lemmy & Sophy Scott. + zu jura

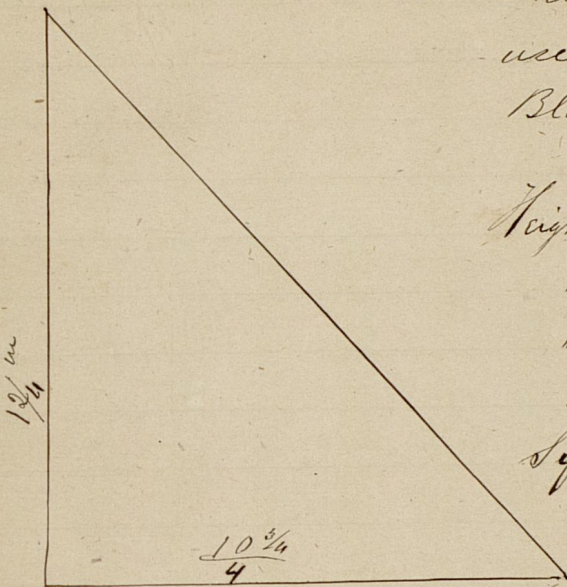
March 14 Ich zurückkomme und find Adam in
a boat fimmis mit Perry & Rhodes



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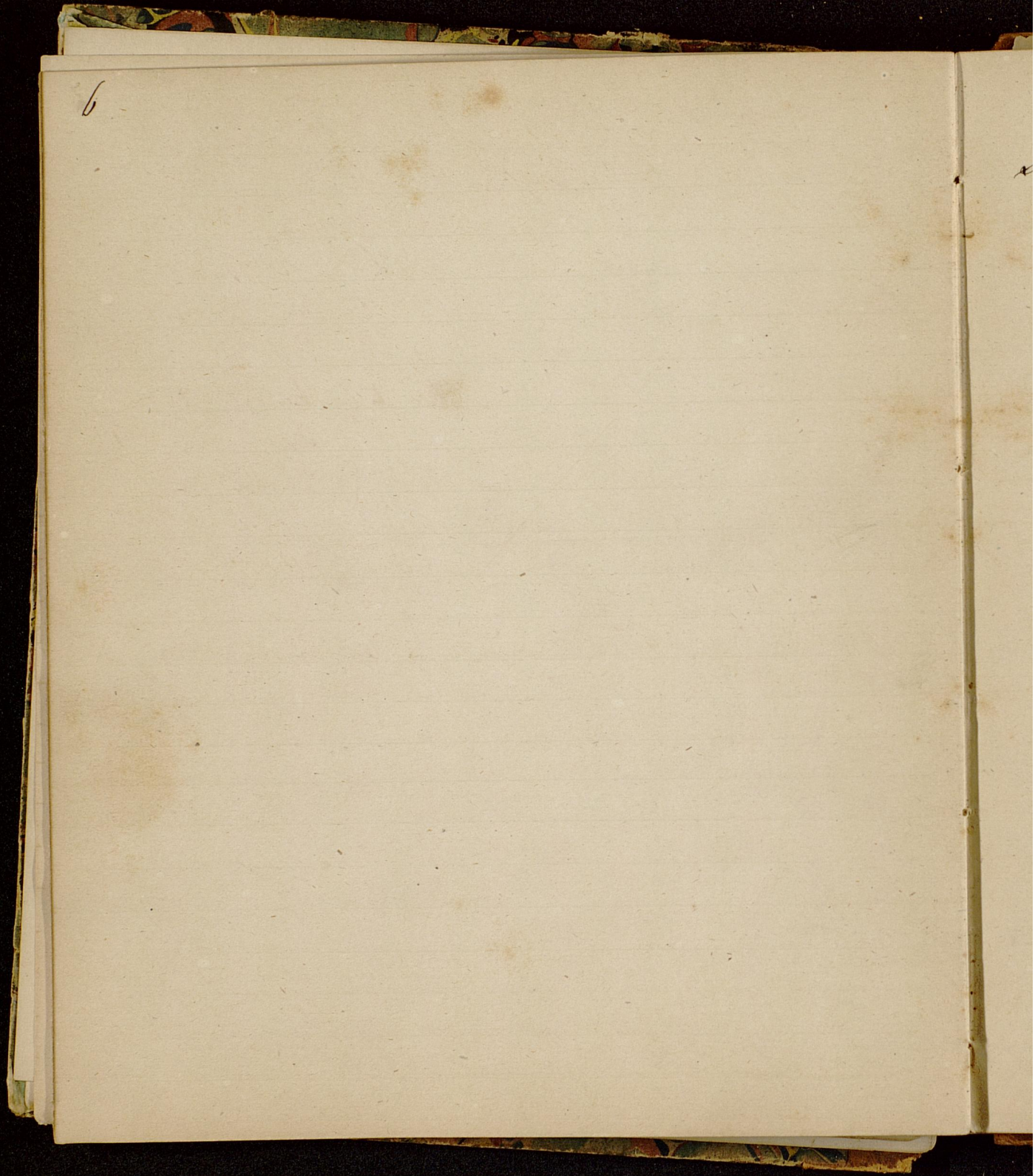
Forms of Boshes.

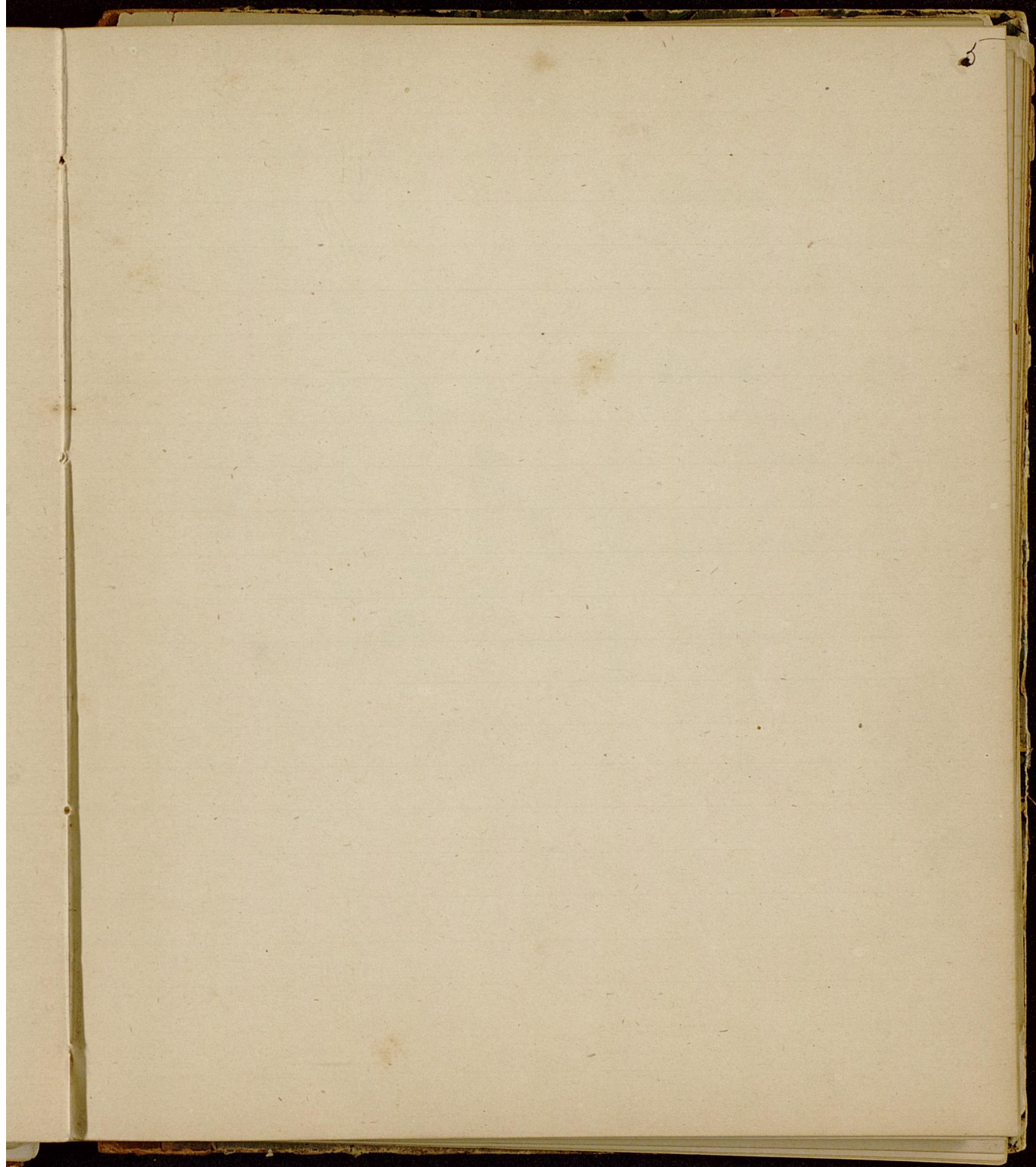
Scale $\frac{1}{4}$ inch to ~~Foot~~ inch



This form shows both used in Buena Vista Furnace Blast No 6 put in by Cassatt

Height of Hearth	5 Ft. 5 in.
" " Dymps	17 "
" " Dama	14 "
" " Dug ire	19 "
Square of Hearth top	26 ⁱⁿ
" Bottom	22 ⁱⁿ
Circle top	36 ⁱⁿ
Tunnel Head plate	22 ⁱⁿ





Situations of Furnaces

Pine Grove Town 2 Sec 30 Range 18
in the N.E. Quarter

	Range	Town	Sec	Part of Section
La Grange	18	1	9	S.W. Quarter
Vesuvius	"	2	25	N.W. "
Etna	"	"	22	N.W. "
Lawrence	"	"	9	S.W. "
Hecla	"	1	14	N.E. "
Mt. Vernon	"	3	22	N.E. "
Buckhorn	"	"	8	S. Half
Olive	"	4	34	S. "
Bloom	"	"	30	
Clinton	19	3	26	N.W. Quarter
Scioto	"	4	28	N. Half
Jackson	"	5	34	S.W. Quarter

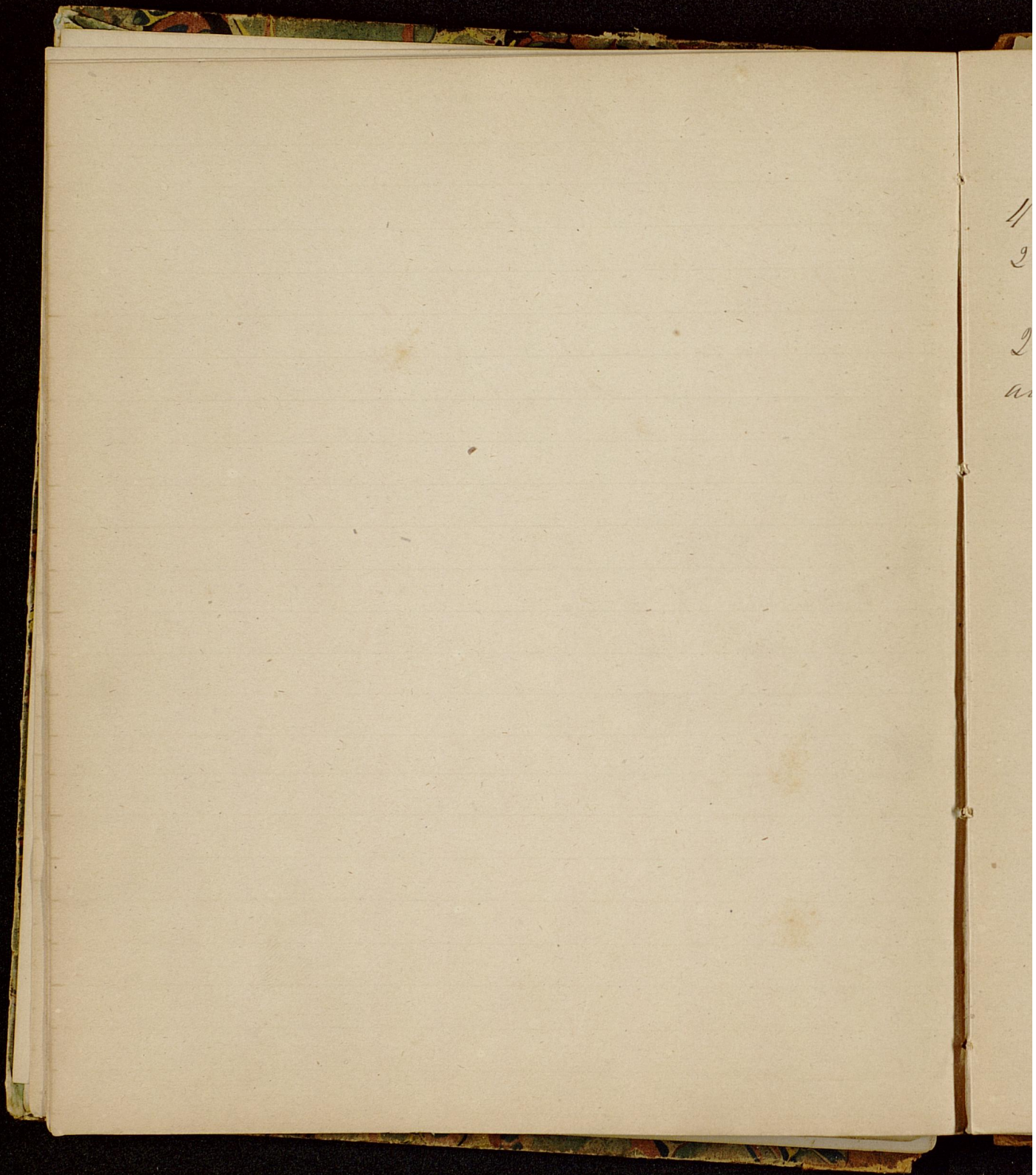
2

1

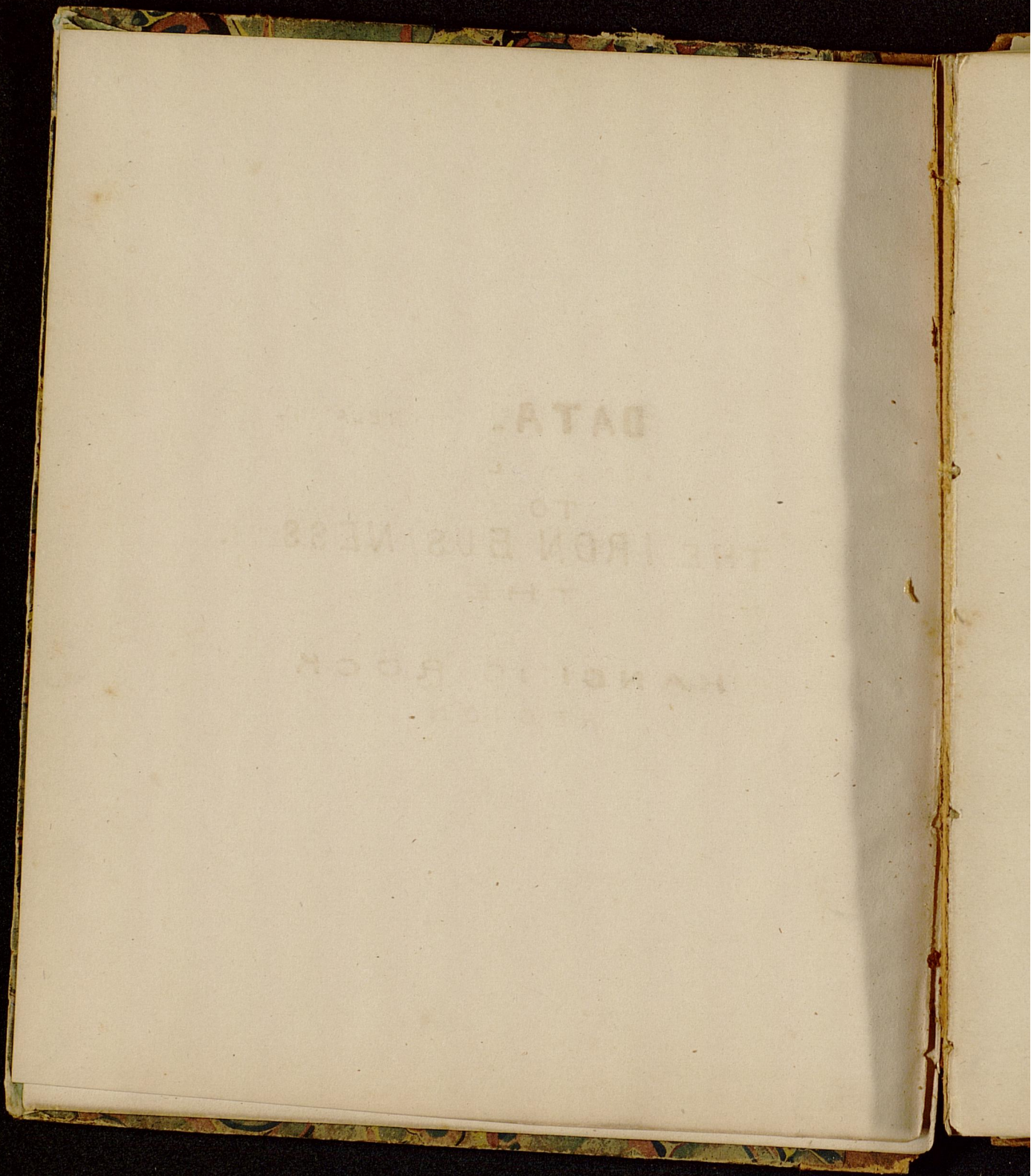
Union Furnace,

Was commenced in 1826, and blowed the
1th April 1827. Blowed out last time of old stack on
28th April 1843 (Fired March 22nd 1827)

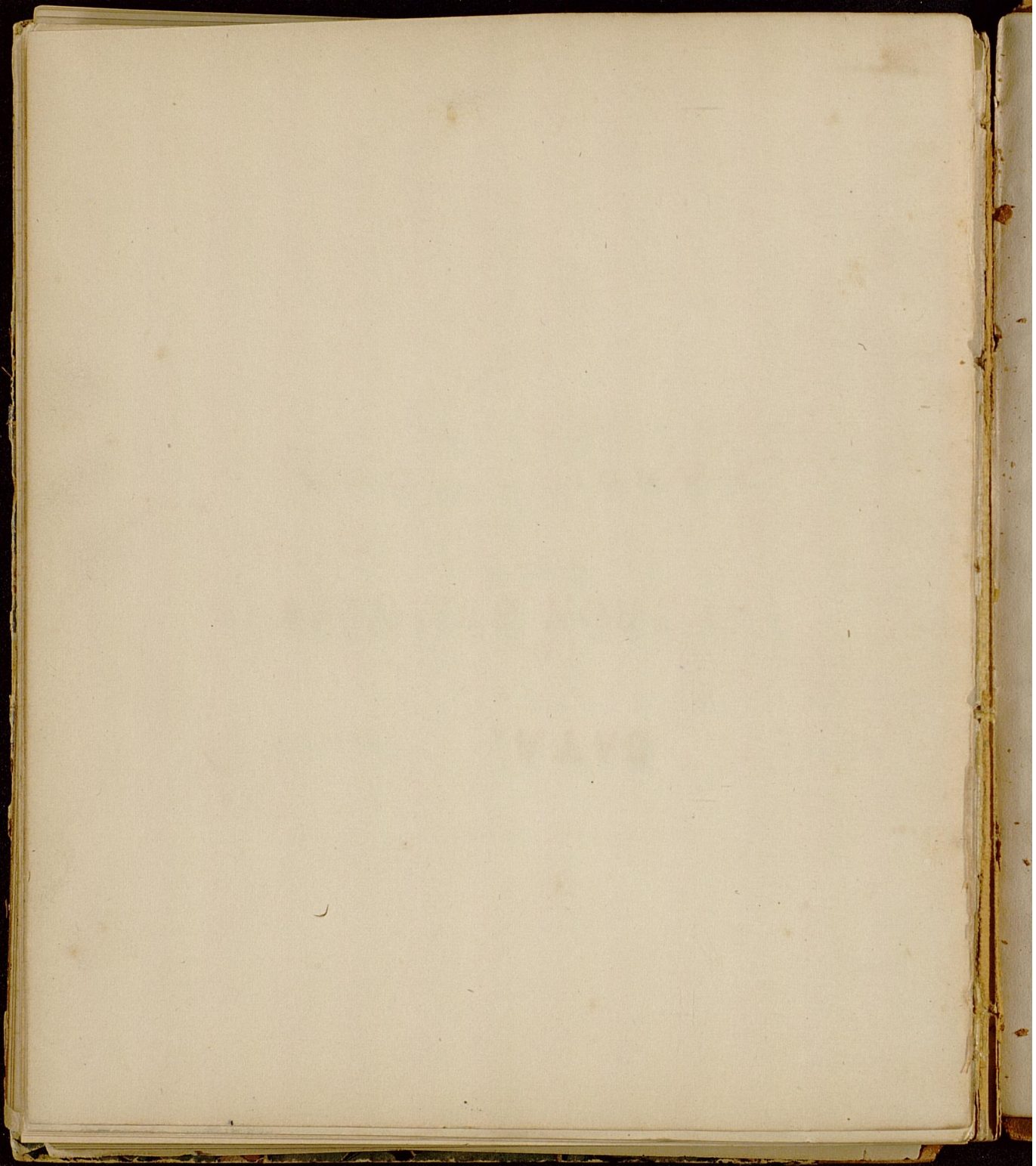
Commenced laying stone in new stack on the
26th June 1843 + hearth on the 25th Sept. Fired 25th Oct
and blowed 25th November,

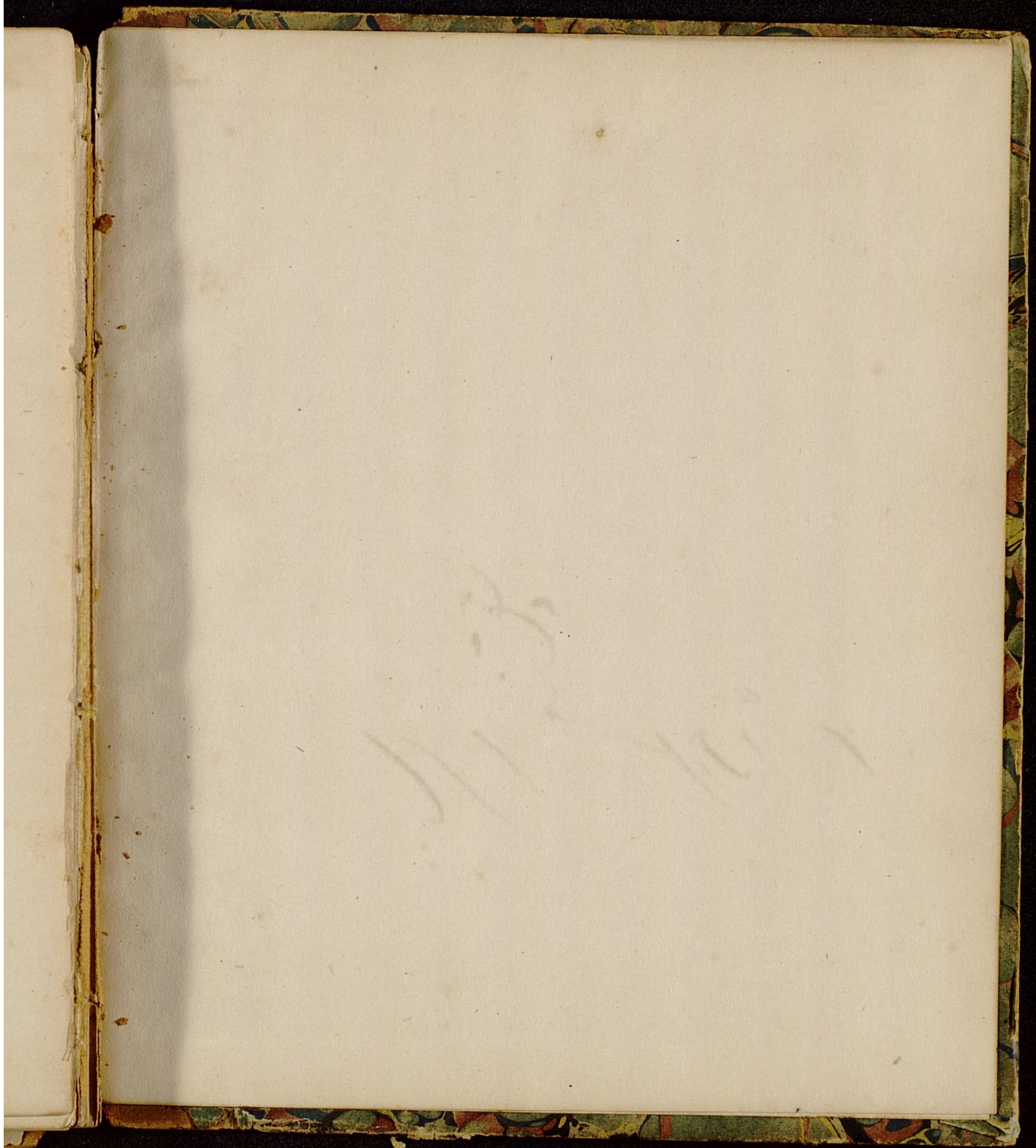


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DATA
TO
THE IRON BUS WESS
THE
HARSH TO BOOK





Wm. H. Cross.
18. 37

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