HOME INTERIOR AND EXTERIOR RESTORATION ILINCOLN HOME NATIONAL HISTORIC

HISTORIC

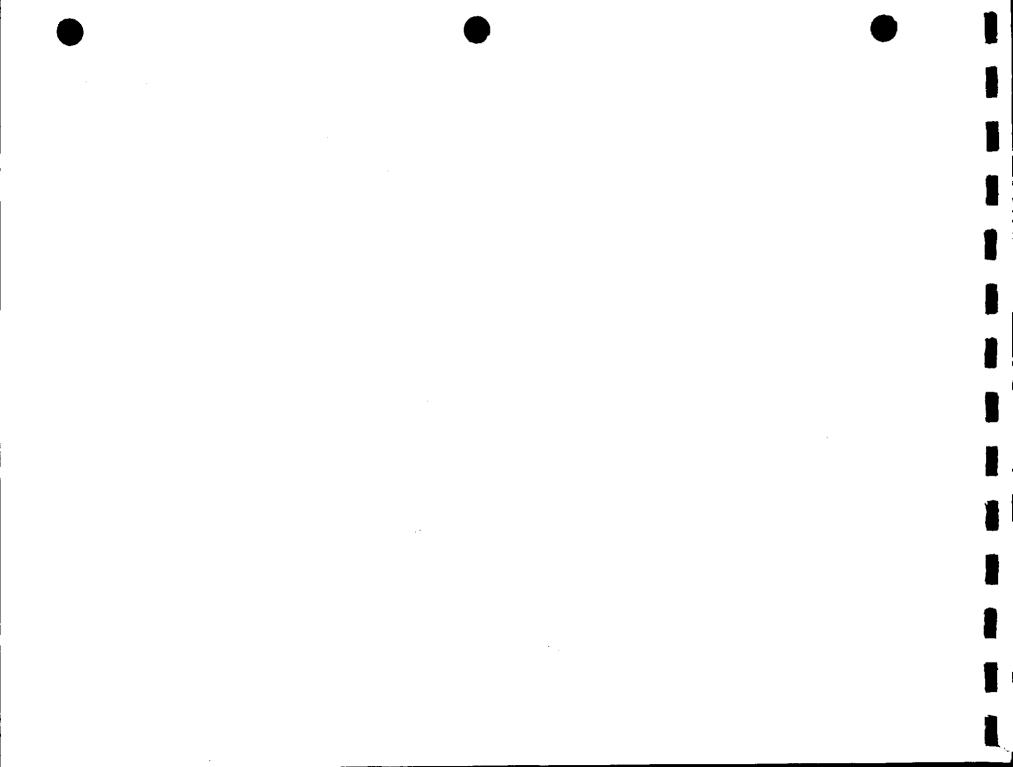
STRUCTURE REPORT

ARCHITECTURAL DATA SECTION - VOLUME I

D-35 Vol. 1 of 2



Ferry & Henderson Architects, Inc.



HISTORIC STRUCTURE REPORT

Architectural Data Section - Volume I of II

Title I Services - Advanced Planning

LINCOLN HOME

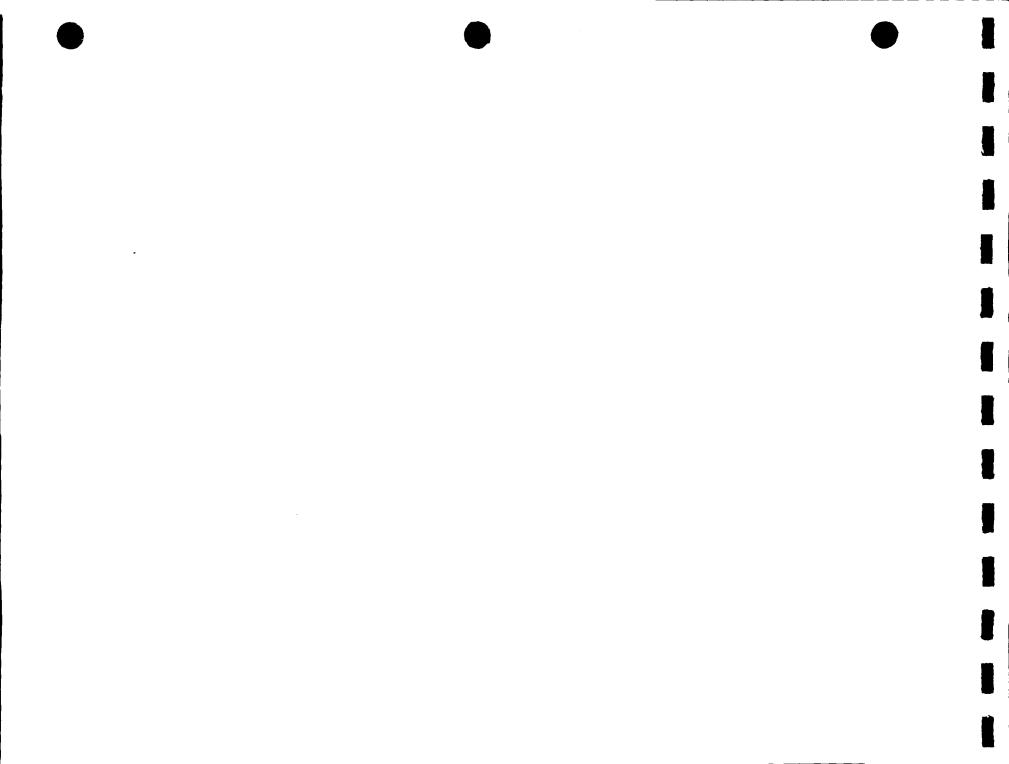
Analysis Restoration

Lot 8 - Block 10 Lincoln Home National Historic Site Springfield, Illinois

Work Directive No. 5-0005-78-06 Basic Agreement No. CX-2000-5-0005

Ferry and Henderson Architects, Inc. 1320 South State Street Springfield, Illinois 62704

20 February 1984

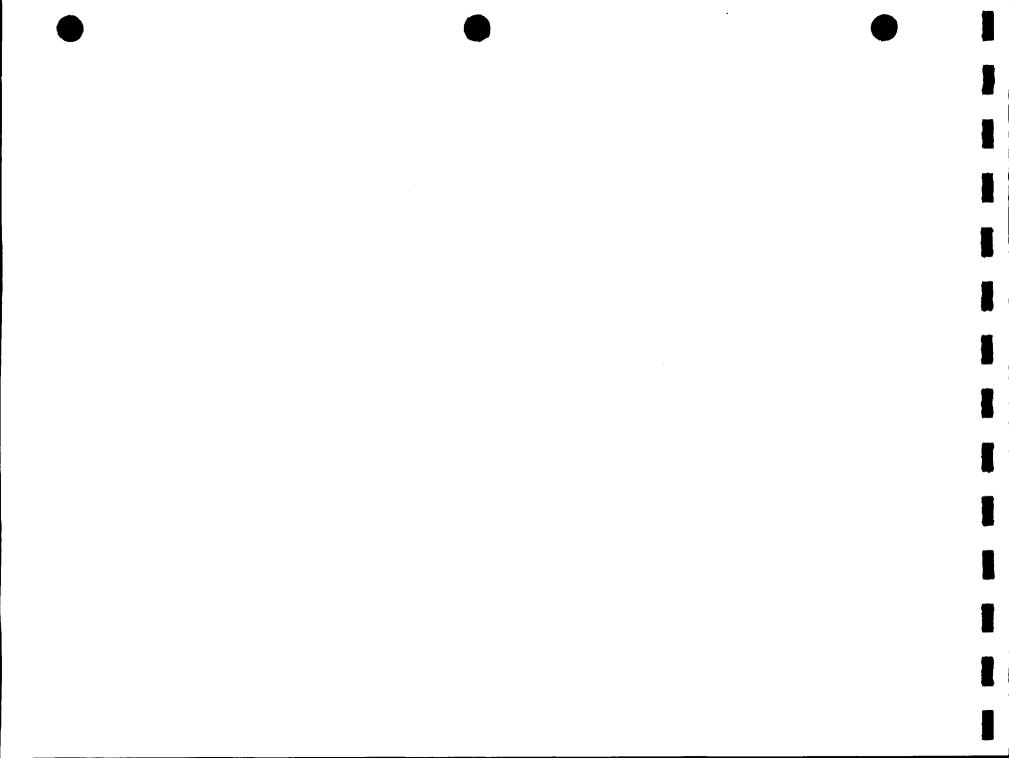


The Historic Structure Report, Architectural Data Section, is divided into two volumes. Volume One contains Historical & Investigative Information and Volume Two contains Previous & Proposed Restoration.

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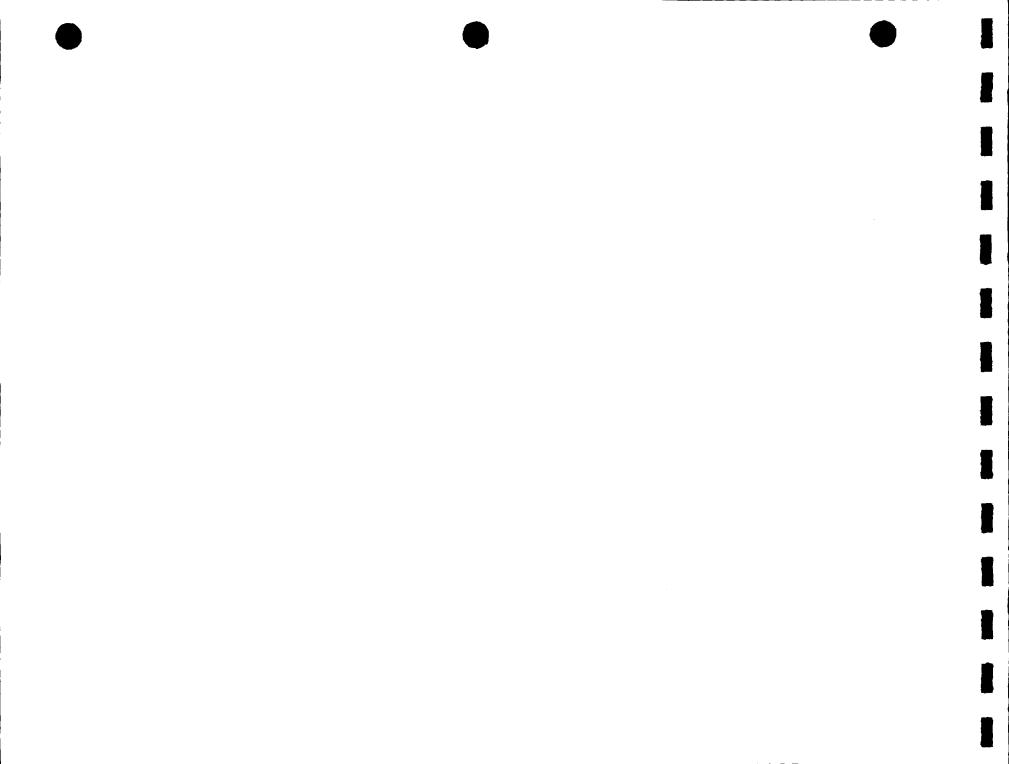


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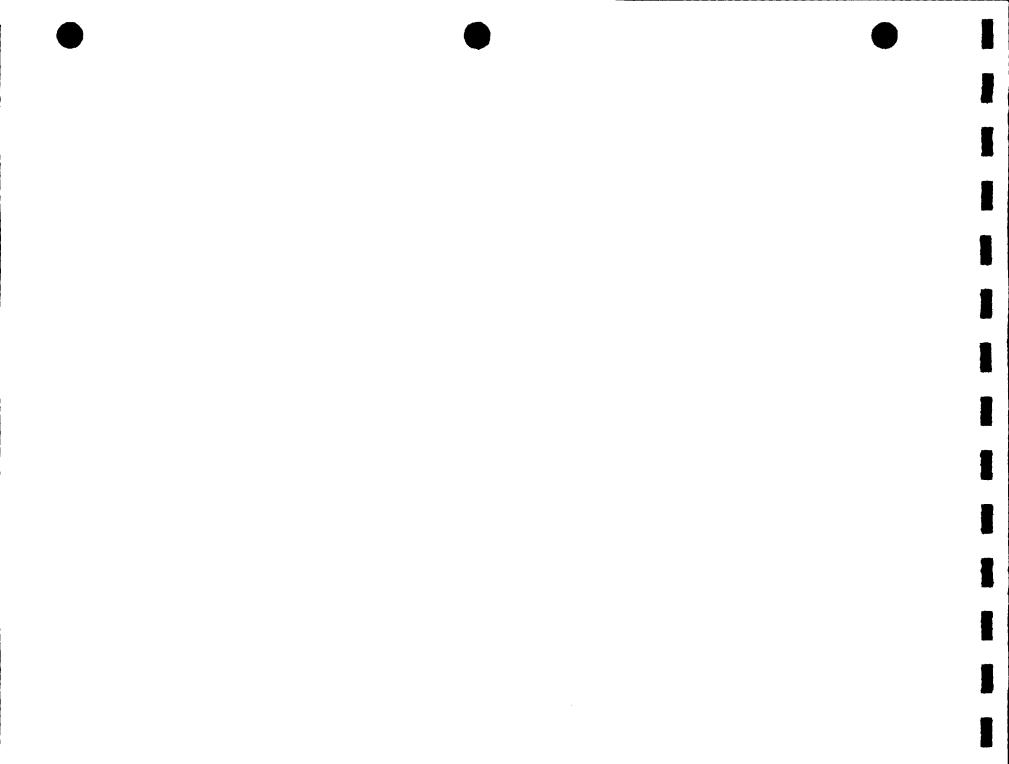
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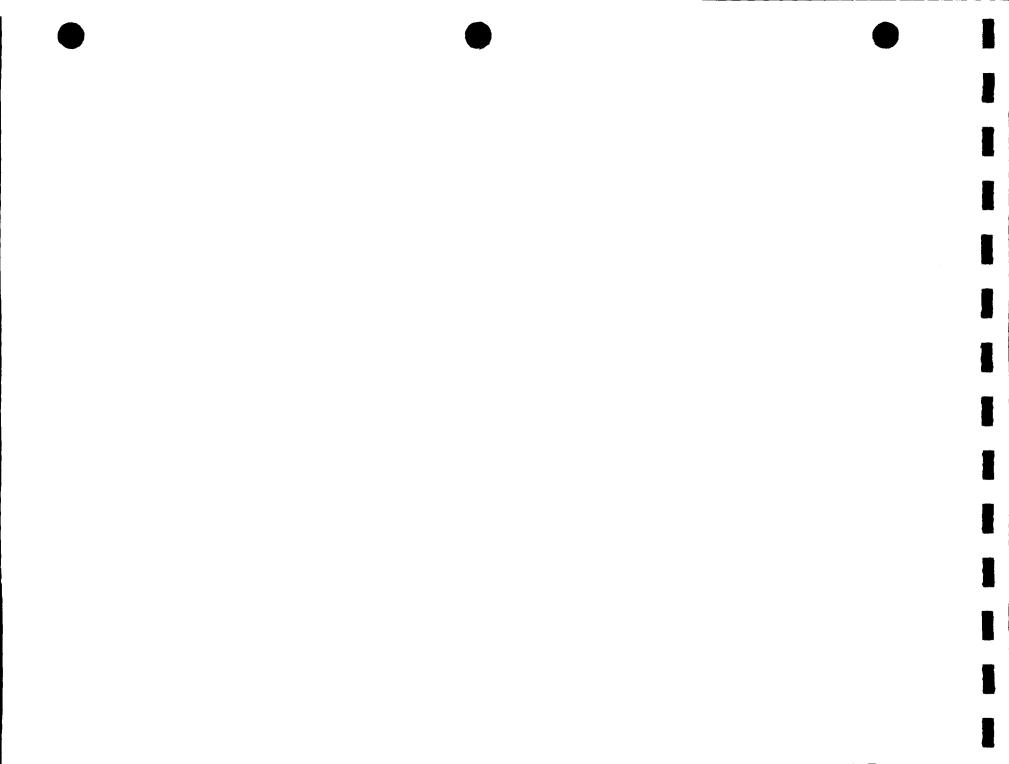


APPENDIX

- A. Exterior Paint Analysis
- B. Interior Paint Analysis
- C. X-Ray Analysis
- D. Mechanical Report
- E. Structural Report
- F. Archaeology Survey
- G. Electrical Report

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INTRODUCTION

The Lincoln Home National Historic Site was established in 1972 to further enable the visitor to more fully understand and appreciate Abraham Lincoln. This requires that the daily context in which Abraham Lincoln lived and developed as a father, friend and neighbor be made part of this educational experience. 1

The Lincoln Home is the most significant structure in the National Historic Site and the focal point of all activity. The preservation of the Lincoln Home is of primary importance for continued use as a national historic structure.

For assessment of the restoration required to keep the Lincoln Home a safe, stable, historic structure, the National Park Service commissioned Ferry and Henderson Architects, Inc. of Springfield, Illinois to prepare an Architectural Data Section of the Historic Structure Report. The scope of work requires documentation of historic development, detailed documentation of the existing as-is conditions, evaluation of existing conditions, recommendations for the historic restoration, and recommendations for the restoration of the structure to meet present day uses as defined by the National Park Service. ²

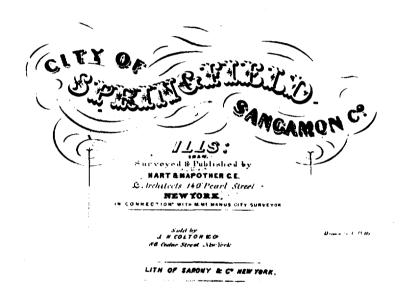
¹Master Plan, Lincoln Home, National Historic Site, Illinois.

Work Directive, Title I Services - Advanced Planning-Package No. 196, Design Services Relating to Lincoln Home, Lot 8, Block 10, Lincoln Home National Historic Site, Springfield, Illinois.

I. PRELIMINARY SURVEYS

- A. <u>Historical Data</u>
 - 1. Historical Maps
 - a. City of Springfield, Sangamon County. This map shows three improvements to Lot 8, Block 10; the house at the west end, an outbuilding at the southeast corner, and the southern portion of a structure on Lot 7.

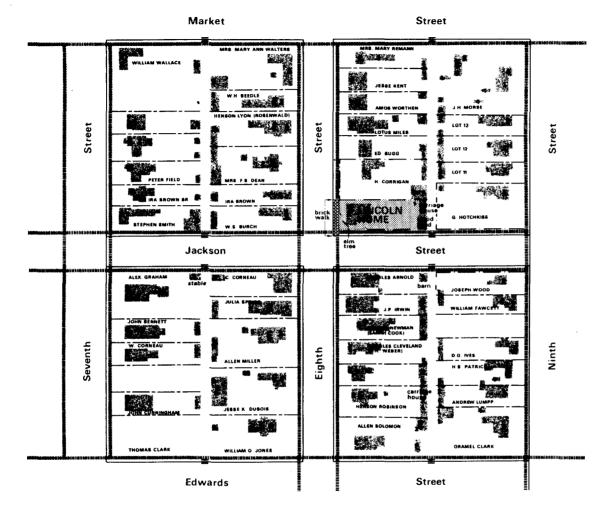
STREET DESCRIPTION STREET S



EDWARDS

Partial reproduction from <u>City of Springfield</u>, Sangamon County, 1854 Map, (courtesy of Illinois State Historical Library).

b. Historical Base Map



1860 STRUCTURE EXISTING TODAY

CONJECTURAL STRUCTURE SHAPE UNCERTAIN

MAY HAVE EXISTED IN 1860

BRICK STRUCTURE

1 ONE STORY STRUCTURE

* TWO STORY STRUCTURE

HINN BOARD SIDEWALKS

___ GUTTERS

PICKET FENCE

- - FOUR BOARD FENCE

----BOARD FENCE

--- FENCE TYPE UNKNOWN

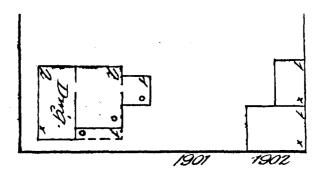
TIRG 20003

HISTORICAL BASE MAP. . 1860
PROPOSED LINCOLN HOME NATIONAL HISTORIC SITE

Reproduction from MASTER PLAN - Lincoln Home National Historic Site/Illinois - February 1970, p.7.

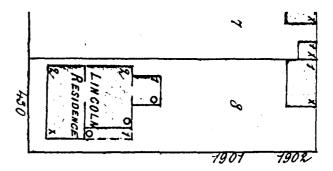


- 2. Sanborn Maps (courtesy of Illinois State Historical Library). Key to maps on page 8.
 - a. 1884 Map



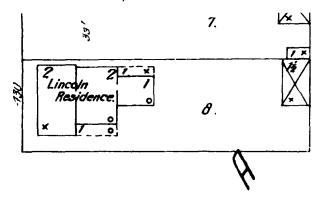
Note: Kitchen addition to the east side of Lincoln Home

b. 1890 Map



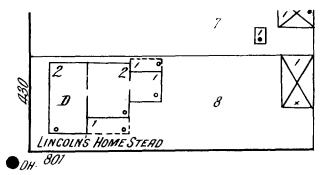
Note: Outbuildings on east end of the lot reduced to a single structure

c. 1896 Map

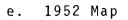


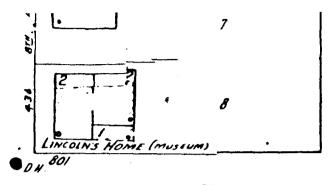
Note: Porch addition to north side of Lincoln Home at east end.

d. 1917 Map



Note: Northeast porch shown wider than in 1896 Map.





Note: Kitchen and porch addition removed

```
KEY.
         37 FINE WALL GIN. AR. ROOF
IN OF STREET
STREET MOST
COMPOSTE ROOF
Aug or to hear O
                  - 18- -
            FRAME PARTITION
STEAM BOOLER
            OPENING & IRON DOOR
            WINDOWS - SHUTTERS
            STABLE
             WINDOW IN 157 STORY
                    1:14 3 ** "
BID'SS COLORED YELLOW ARE FRAME
               RED . BRICK
               BLUE . STONE
               SREY . IRON
              BROWN - ADOBE
              GREEN " SPECIALS
      MARKED (1) ARE CLOTH LINED
    19 INDICATE RELATIVE HEIGHTS
ALTERRATE STREET NO'S ARE ACTUAL
CONSECUTIVE "
                 -- "ARBITRARY
BROKEN LINE NEAR B'LD'G-WOOD CORNICE
                 " METAL .
SCLID
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Key to Sanborn Maps

3. Panoramas

Three panoramas were drawn in the late Nineteenth Century, depicting the four-block Lincoln Home National Historic Site from different points of view. (Panoramas courtesy of the Illinois State Historical Library).

a. Ruger Panorama

The first panorama (Circa 1867) "drawn from nature" by A. Ruger of the "Chicago Lithograph Company" is an aerial view of Spring-field (including Lincoln Home) from the southeast. Lincoln Home is shown reasonably accurate; however, only one outbuilding is shown at the east end of the lot.

3. Panoramas

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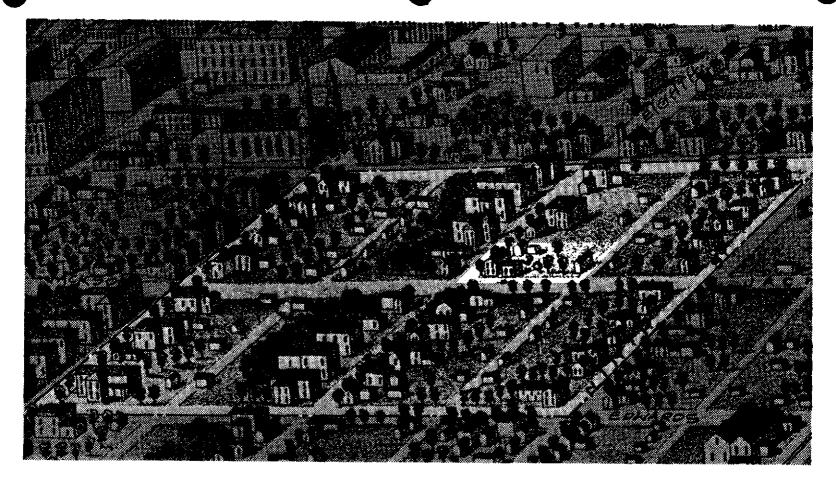


NORTH

"Ruger" Panorama

b. Beck and Pauli Panorama

The second panorama by Beck and Pauli (Circa 1870) is also from the southeast but slightly more westward. Lincoln Home is shown inaccurately in that the eastern half of the building is one-story.



"Beck and Pauli" Panorama

NOT THE PARTY OF T

Note: This panorama seems quite distorted, with large spaces between the buildings and noticeable errors in representation

c. Augustus Koch Panorama

The third panorama (Circa 1875) by Augustus Koch is a view from the northeast. Lincoln Home is shown quite accurately and the outbuildings correspond with those shown on the 1884 Sanborn Map to some degree of closeness.



NORTH

"Augustus Koch" Panorama

Note: The accuracy of this panorama, in general, is quite good in that it conforms closely with the 1884 Sanborn Map

4. Historic Photographs

The historic photographs are divided into two parts, exterior and interior. More emphasis is placed on the exterior photographs since this information is directly related to this Report.

Historic illustrations, sketches and lithographs are included with the photographs and are noted as such.

This selection of photographs is not the entire known photographs of Lincoln Home but give a good understanding of the existing conditions at the time.

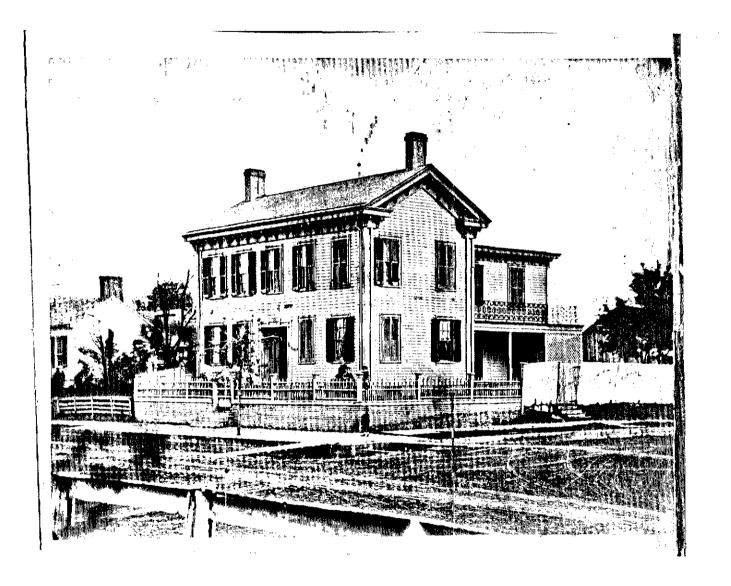
a. Exterior Historic Photographs

The photographs are in chronological order. A description of each photograph is given on the preceding page.

The earliest known photograph is by J. A. Whipple in 1860.

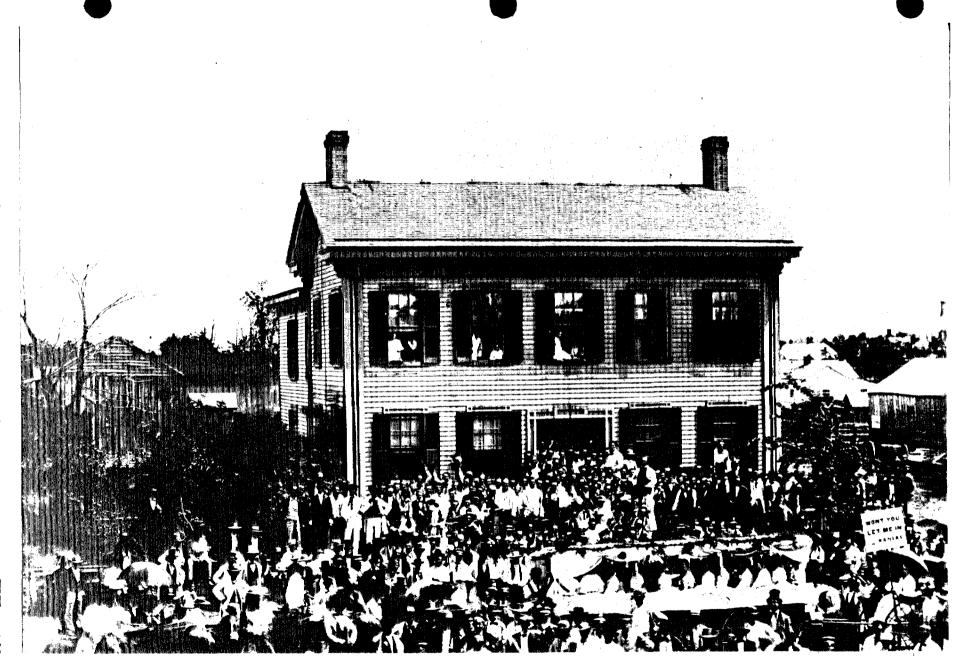
1860
Lincoln Home
View from southwest
by J. A. Whipple
courtesy of the Illinois State Journal-Register

Mr. Lincoln with Willie and Tad inside the fence. Blurred figure outside the fence is a playmate of the children, Isaac R. Diller.



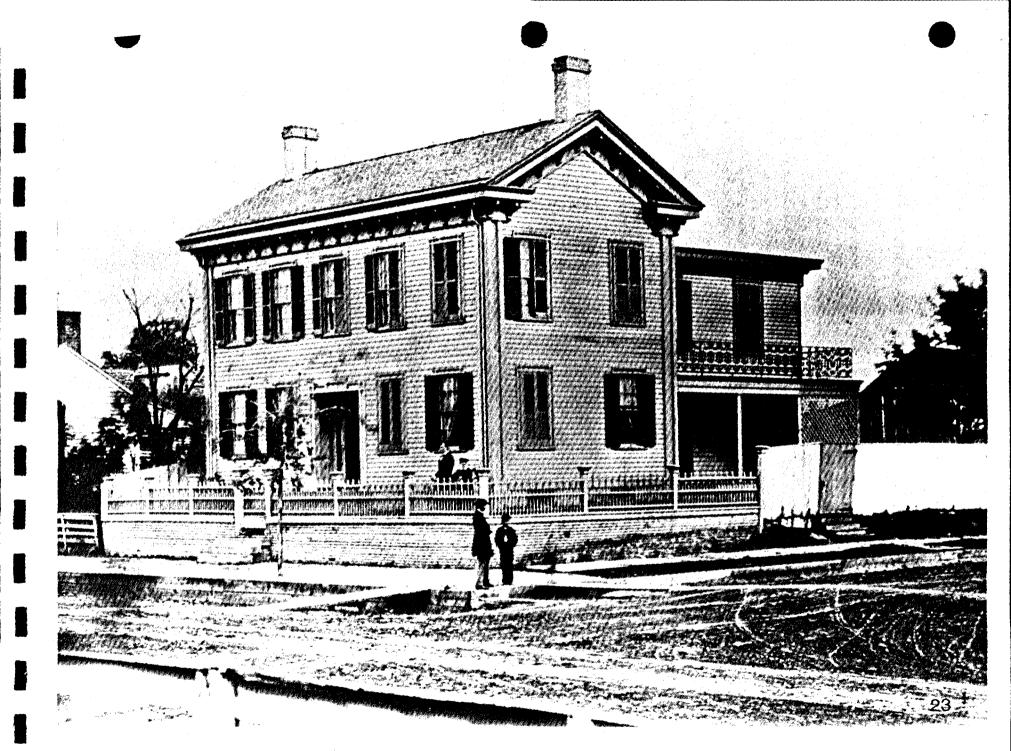
Summer 1860 Lincoln Home View from west-northwest photographer unknown courtesy of the Illinois State Journal-Register

Taken at the time of the Republican Rally.

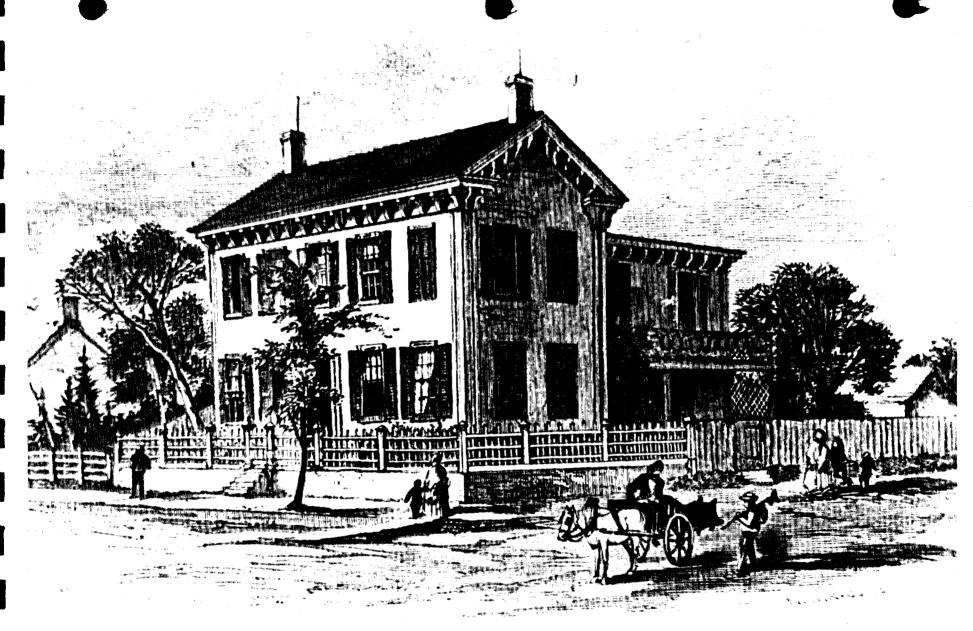


1860 Lincoln Home View from southwest by J. A. Whipple courtesy of the Illinois State Journal-Register

Mr. Lincoln and Tad inside the fence.

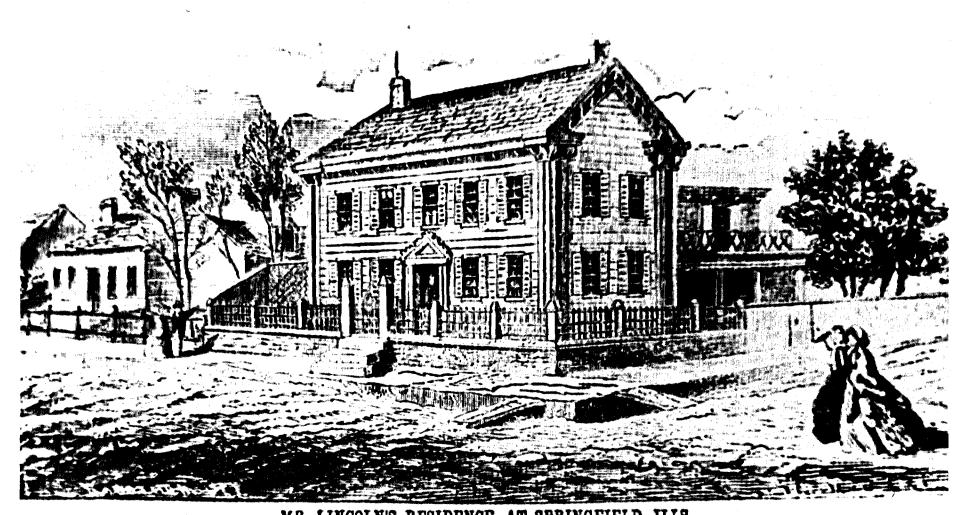


Circa 1863
Engraving of Lincoln Home
View from southwest
by N. Orr Company
courtesy of the Library of Congress



FORMER RECIDENCE OF ABRAHAM LINCOLN, SPRINGFIELD, III.

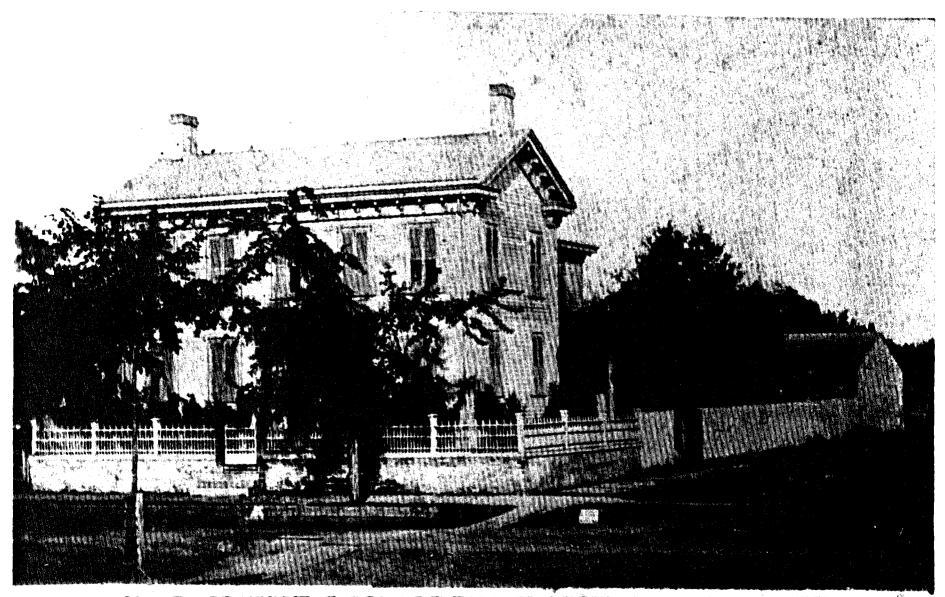
Circa 1863
Engraving of Lincoln Home
View from southwest
from Holland's "Life of Abraham Lincoln"
courtesy of the Illinois State Library



MR. LINCOLN'S RESIDENCE, AT SPRINGFIELD, ILLS.

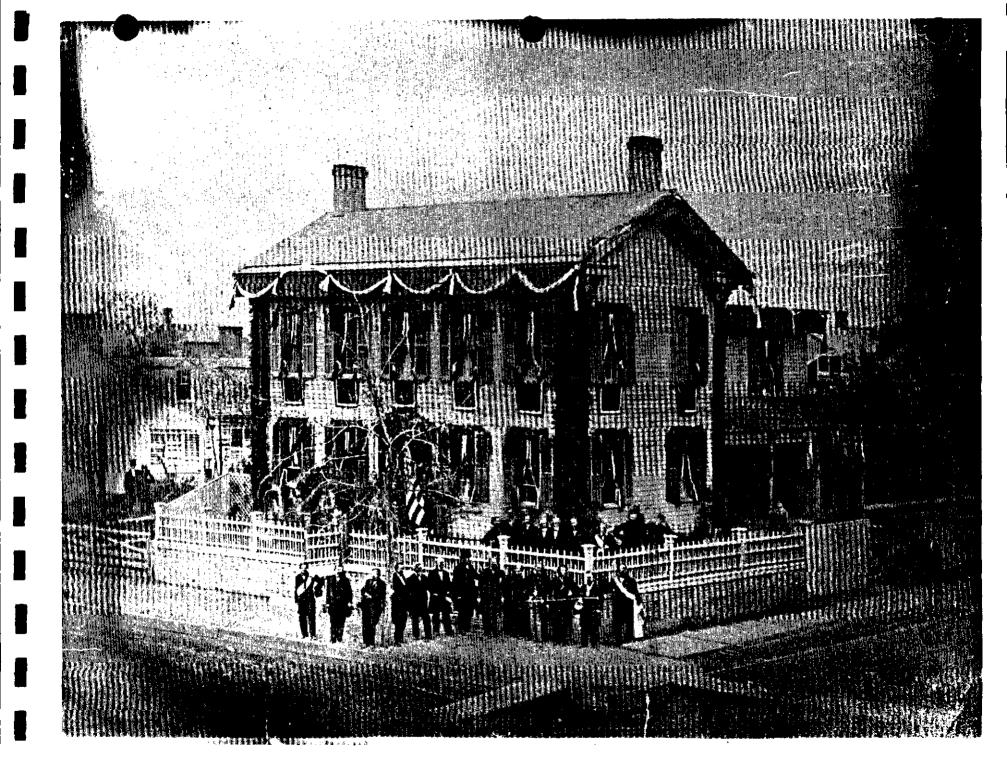
Circa 1864
Lincoln Home
View from west-southwest

courtesy of the Illinois State Historical Library



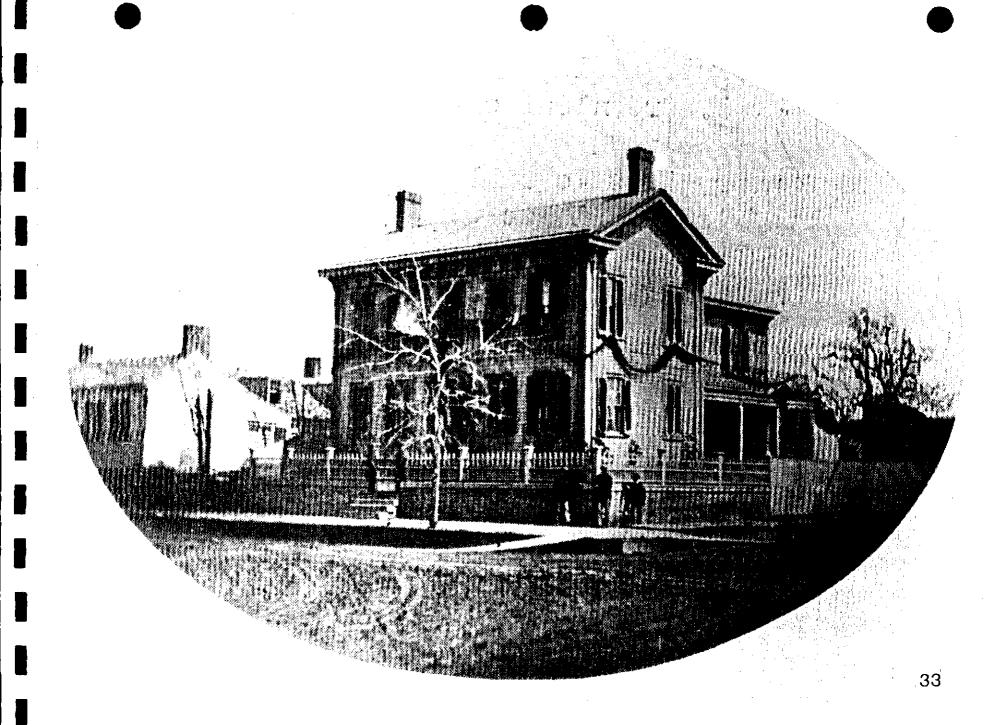
PRESIDENT LINCOLN'S HOME, Springfield, Ills.

4 May 1865 Lincoln Home View from southwest Osborn Oldroyd Collection courtesy of the National Park Service



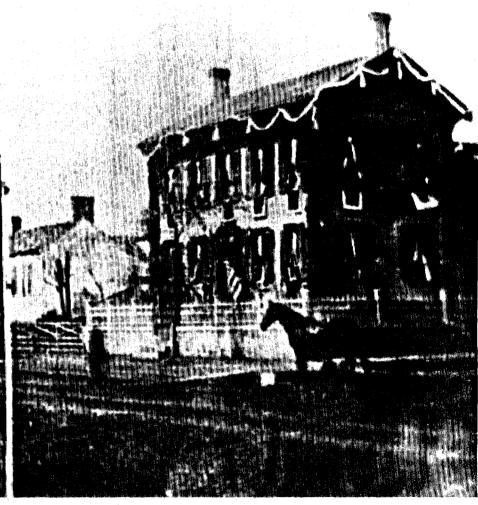
April 1865 Lincoln Home View from southwest

courtesy of the Lincoln Life Foundation, Fort Wayne, Indiana

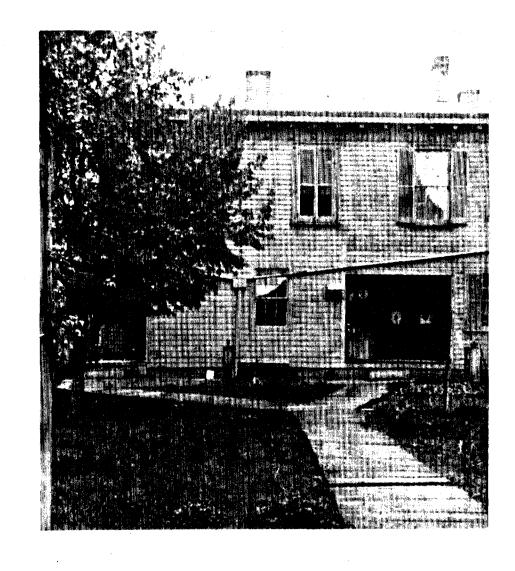


4 May 1865
Stereopticon Print of Lincoln Home
View from southwest
Osborn Oldroyd Collection
courtesy of the National Park Service





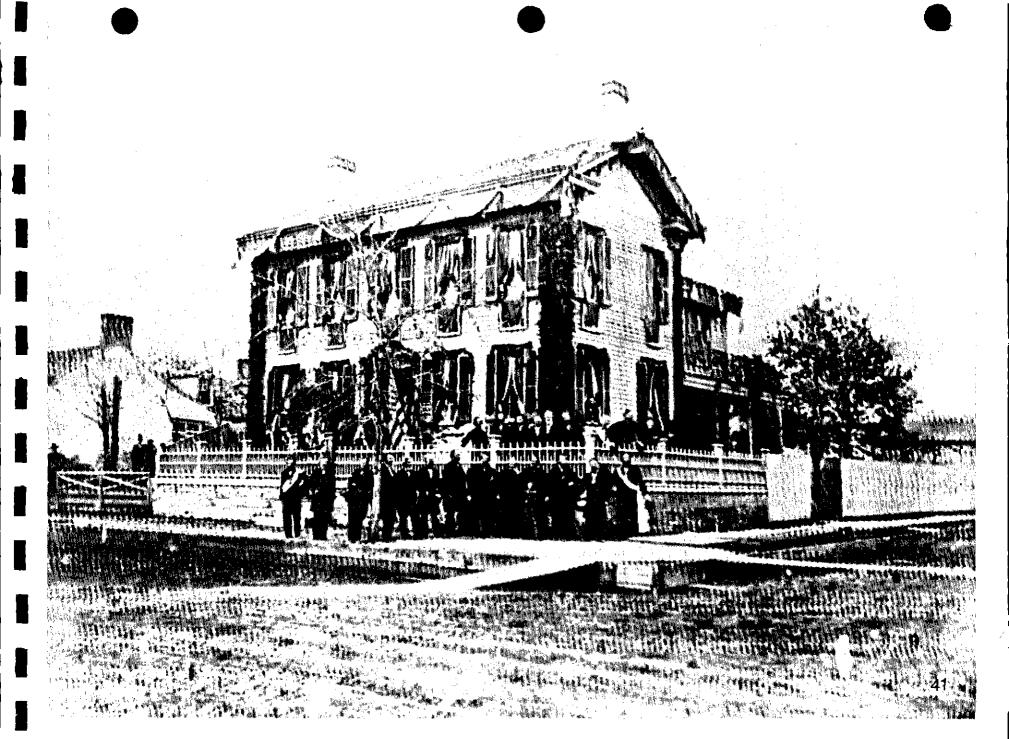
1865 Lincoln Home View from east Ridgeway Glover Stereopticon courtesy of the Illinois State Historical Library



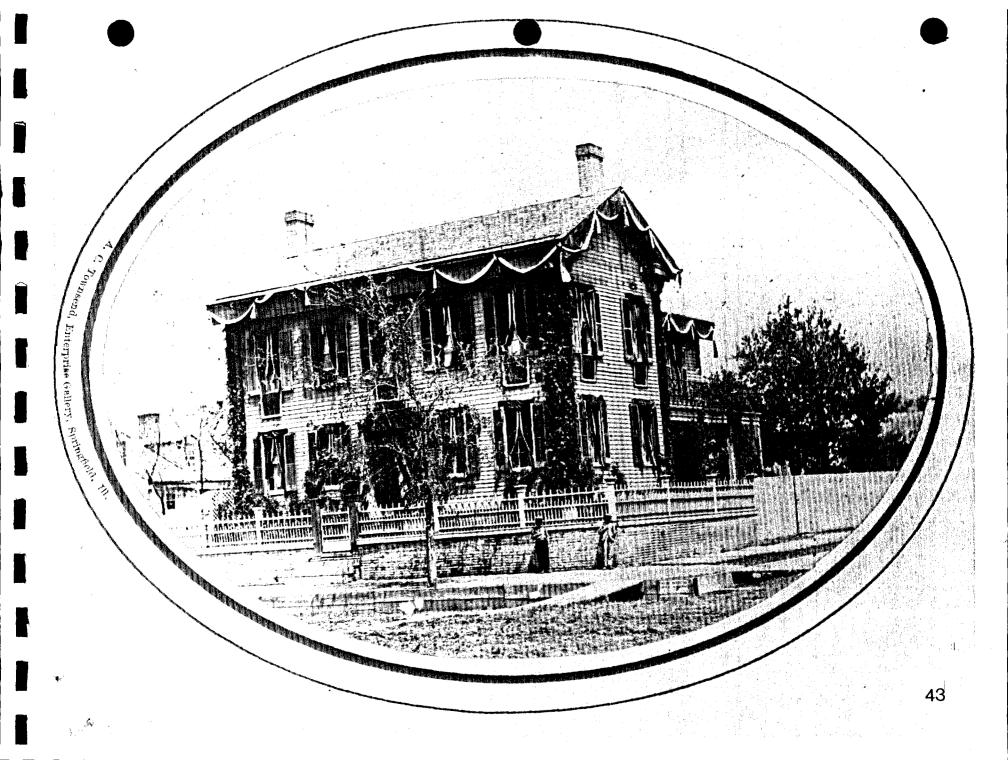
4 May 1865 Lincoln Home View from southwest courtesy of the Library of Congress



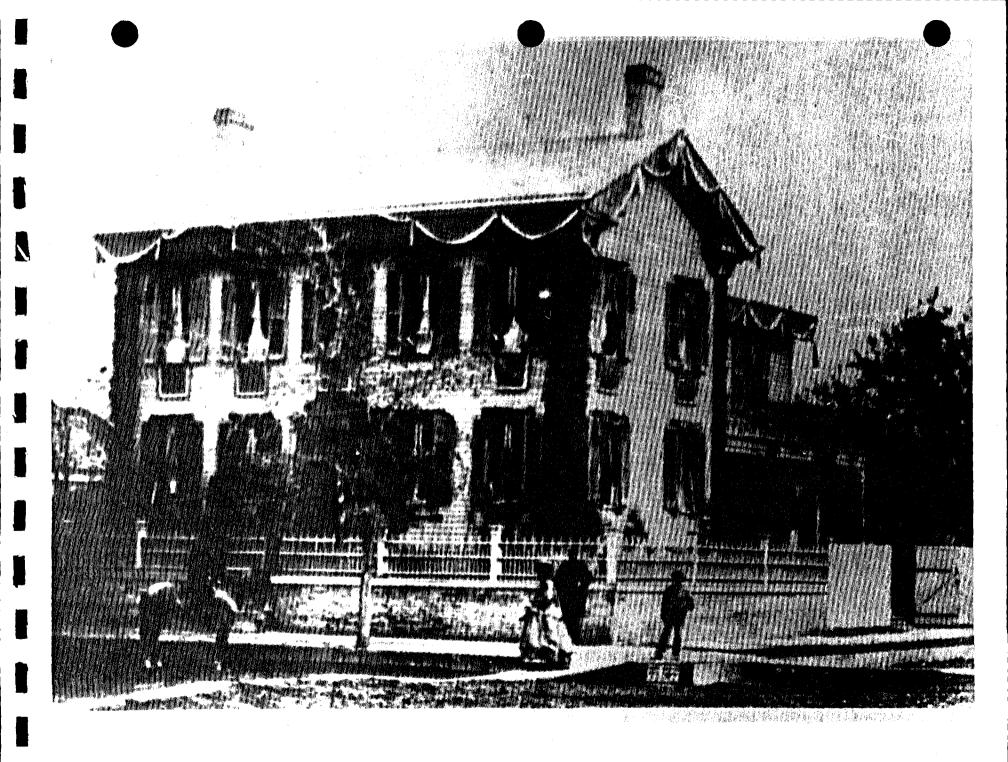
4 May 1865 Lincoln Home View from southwest courtesy of the Library of Congress



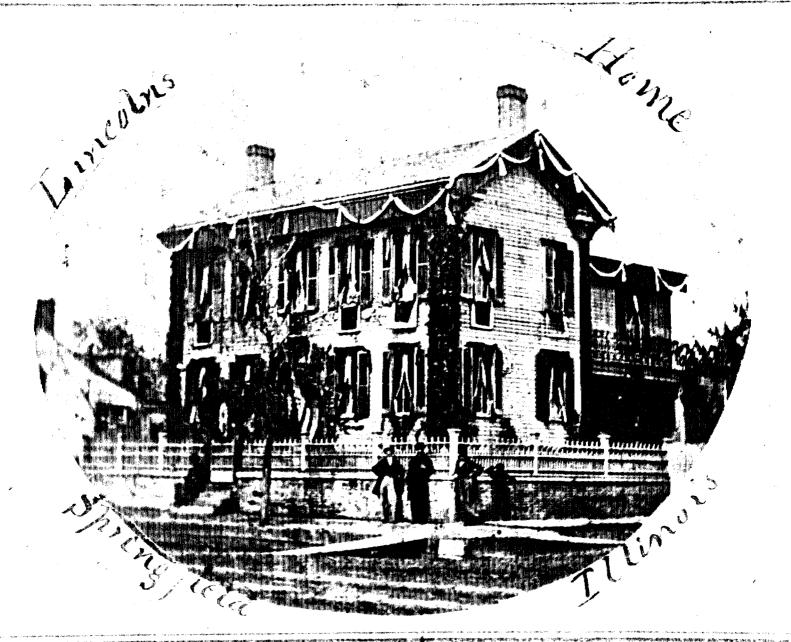
May 1865 Lincoln Home View from southwwest



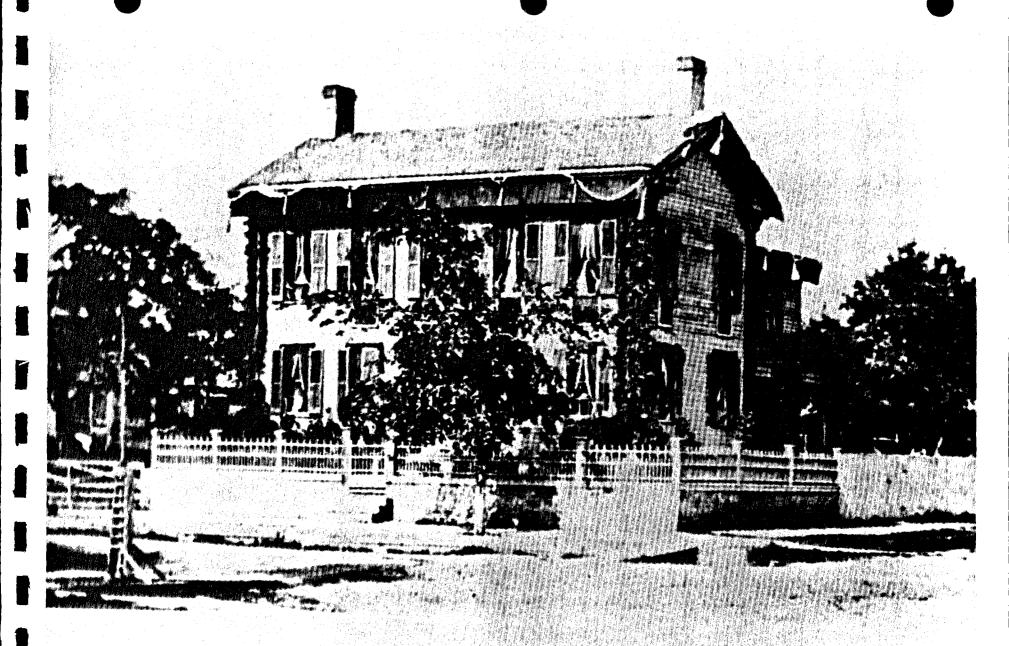
May 1865 Lincoln Home View from southwest



May 1865 Lincoln Home View from southwest courtesy of the Illinois State Historical Library



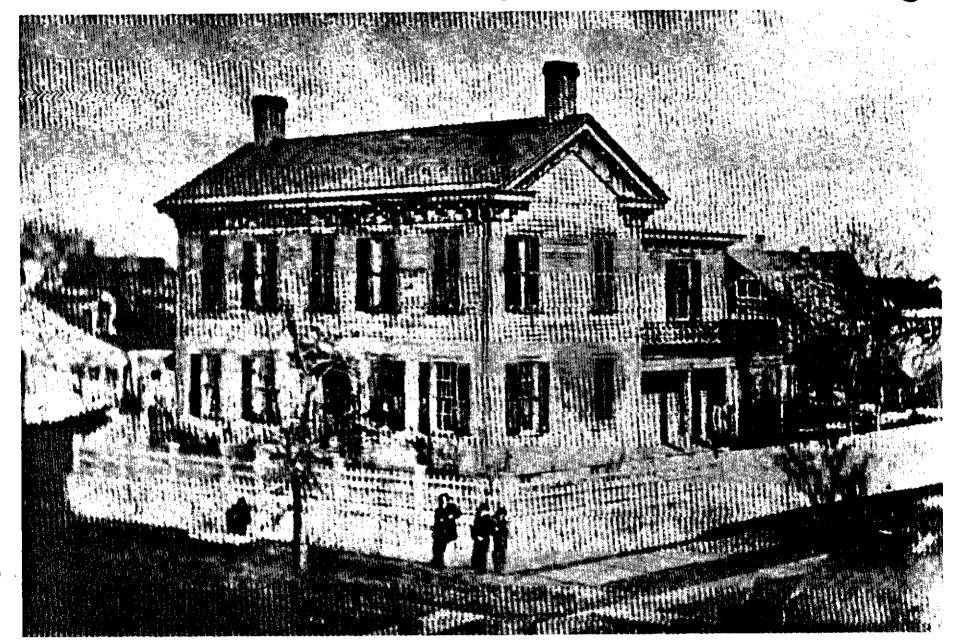
4 May 1865 Lincoln Home View from west-southwest



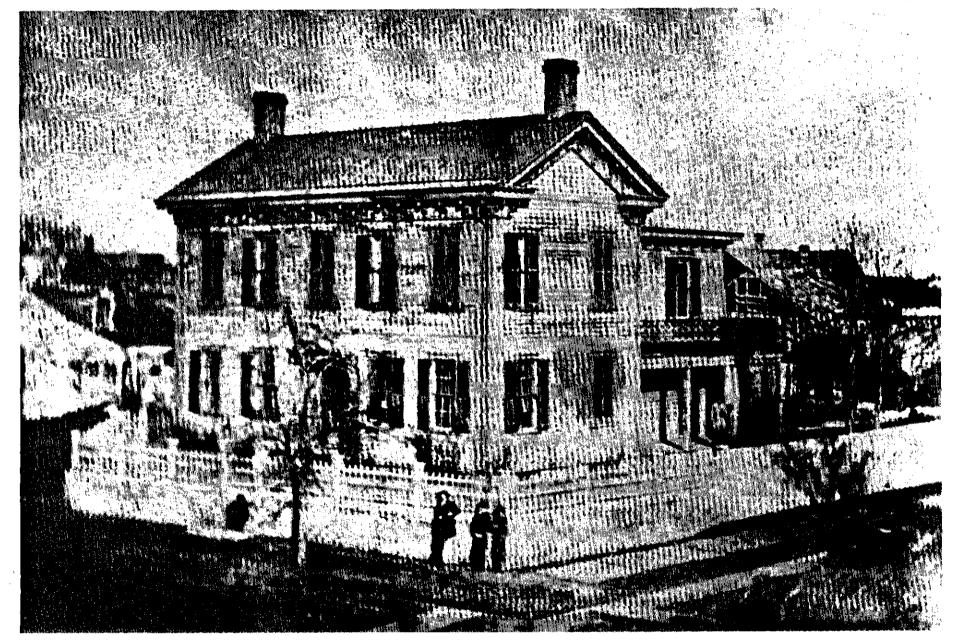
4 May 1865
Lincoln Home
Photograph of "Old Bob" and the Reverend Henry Brown in front of the Lincoln Home
courtesy of the National Park Service
Note construction of the fence, wall and curbing



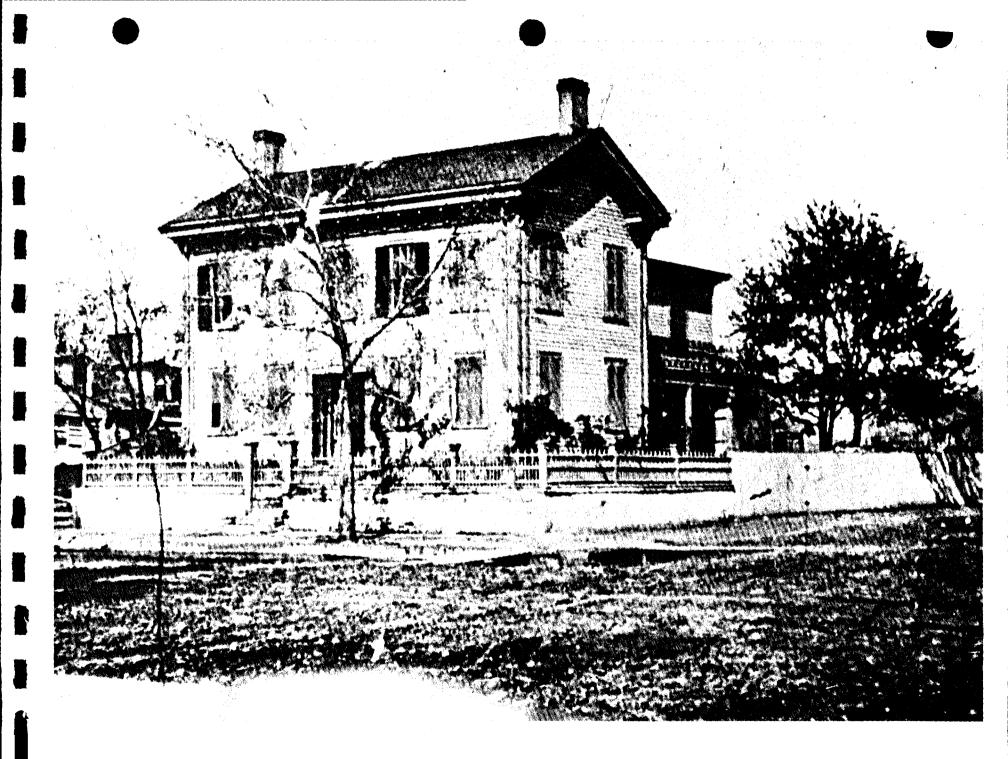
Circa 1866 Lincoln Home View from southwest







Circa 1868 Lincoln Home View from southwest



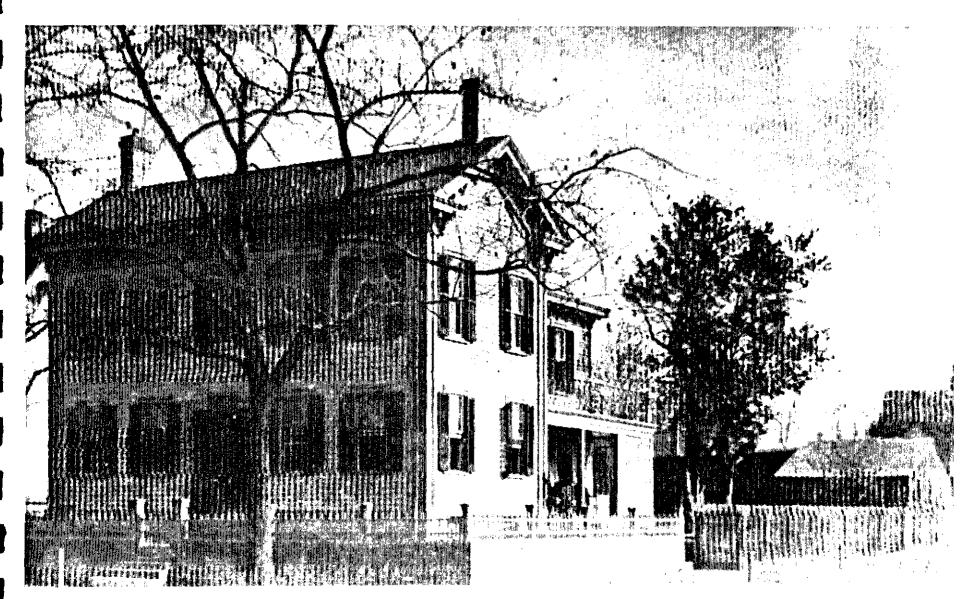
Circa 1868 Lincoln Home View from south-southwest



1883 Lincoln Home View from southwest



Circa 1888
Lincoln Home
View from southwest
Osborn Oldroyd Collection
courtesy of the National Park Service



Circa 1888 Lincoln Home View from northwest Osborn Oldroyd Collection courtesy of the National Park Service

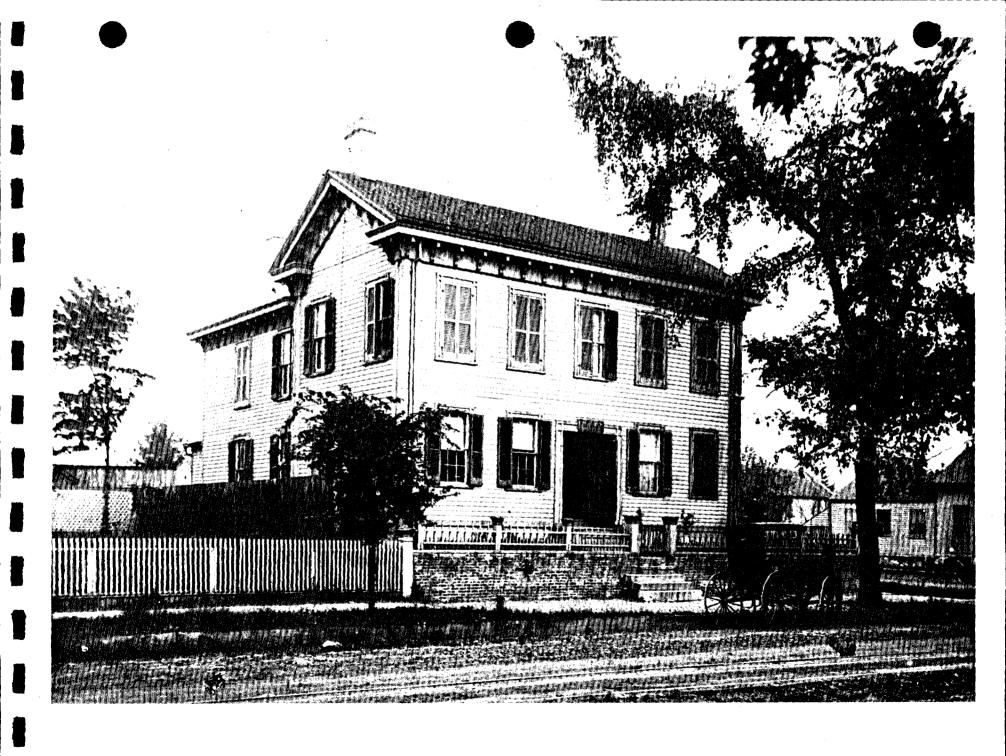


Circa 1889
Lincoln Home
View from southwest
from Springfield Illustrated, page 6
courtesy of the Illinois State Historical Library

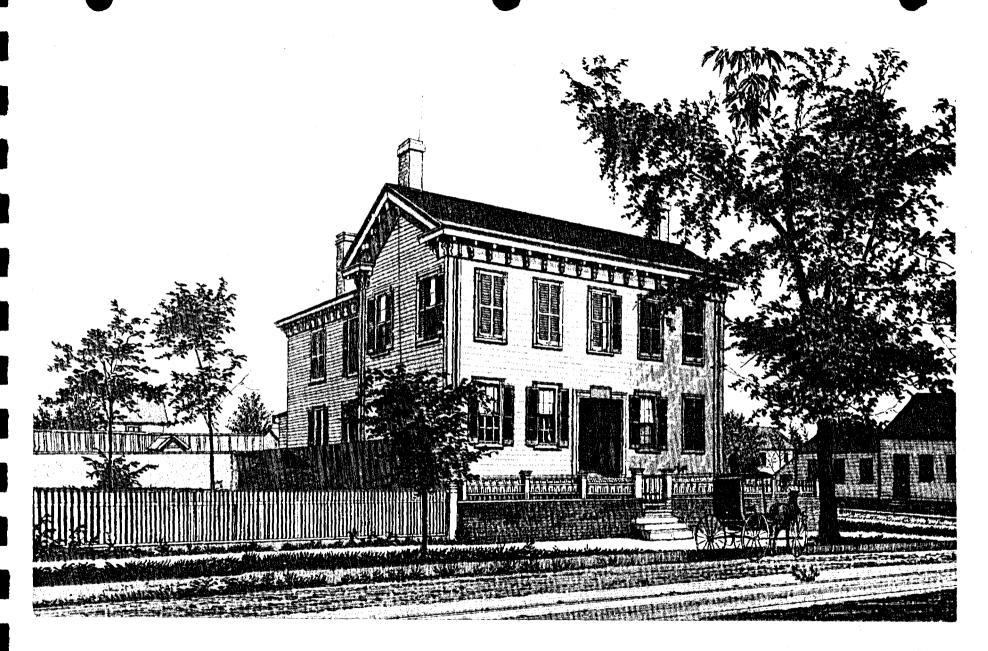
Note: Wood fence and shed removed during the period between Circa 1888 photograph on page and Circa 1889 photograph on page .



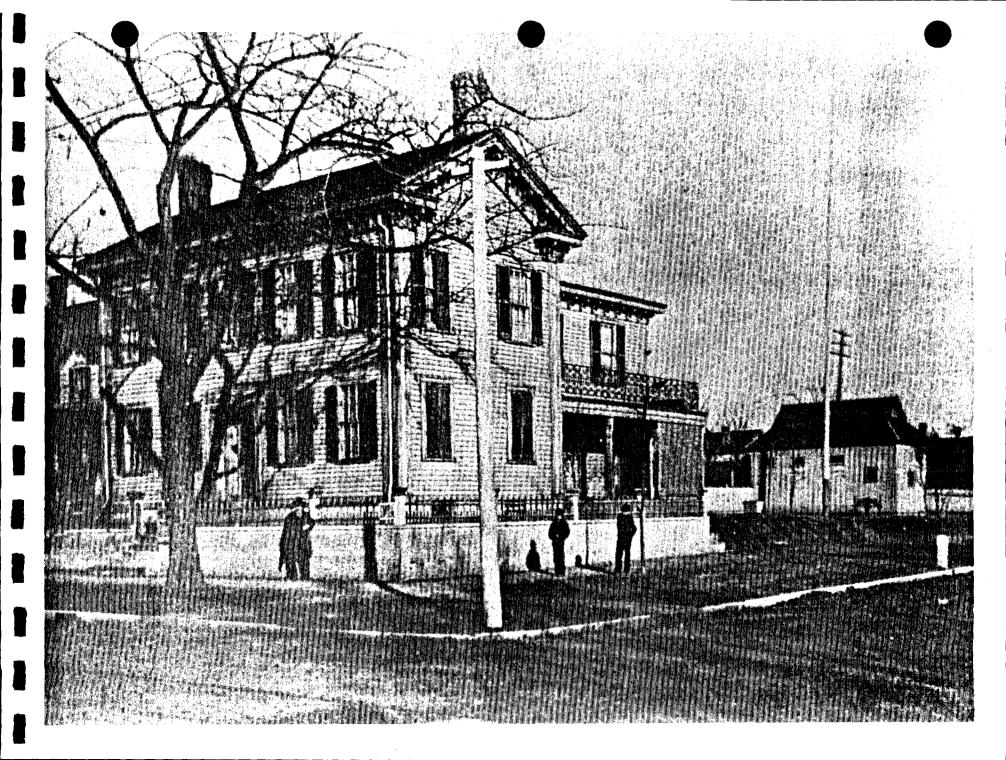
Circa 1890 Lincoln Home View from northwest



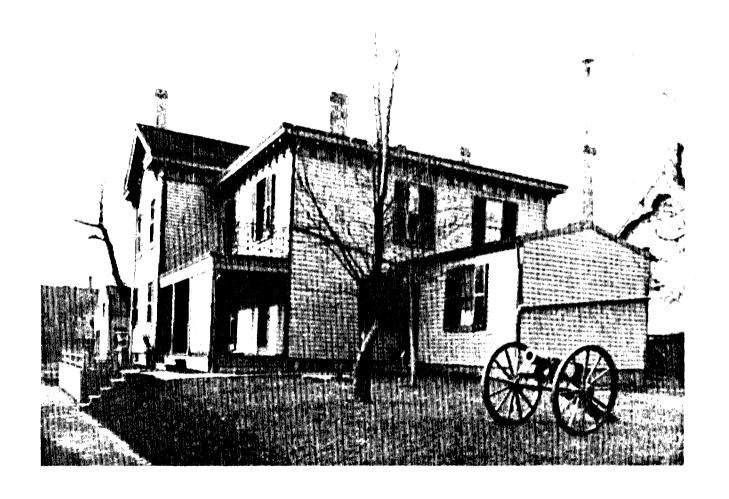
Circa 1890
Lincoln Home
View from northwest
Lithograph from preceding photograph
courtesy of the Illinois State Historical Library



Circa 1890 Lincoln Home View from southwest Osborn Oldroyd Collection courtesy of the National Park Service



Circa 1890 Lincoln Home View from east-southeast



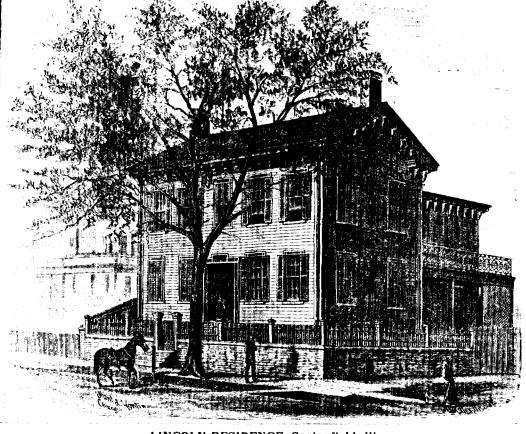
Pre-1894 Lincoln Home Photograph advertisement courtesy of the Illinois State Historical Library Piece of the Elm Tree, in front of the residence, planted by Mr. Lincoln.

Piece of the Apple Tree in the back yard.

Piece of brick taken out of the wall in front of the house, when repaired November, 1883,

Piece of shingle taken from the roof

in 1879.



Piece of Joist taken from the dining

Piece of Lath from the dining room.

Plaster from the dining room ceiling.

LINCOLN RESIDENCE-Springfield, III.

Having leased the former residence of Abraham Lincoln, and in repairing several of the rooms, I carefully saved the flooring, joist, lath, plaster and brick that were taken out and replaced by new. I also saved the branches trimmed from the apple tree in the back yard, and the tree in front of the residence, planted by Mr. Lincoln, and have placed a piece of each of the above articles, with the cut of the house, in this box, which will be a valuable relic from the home of Abraham Lincoln.

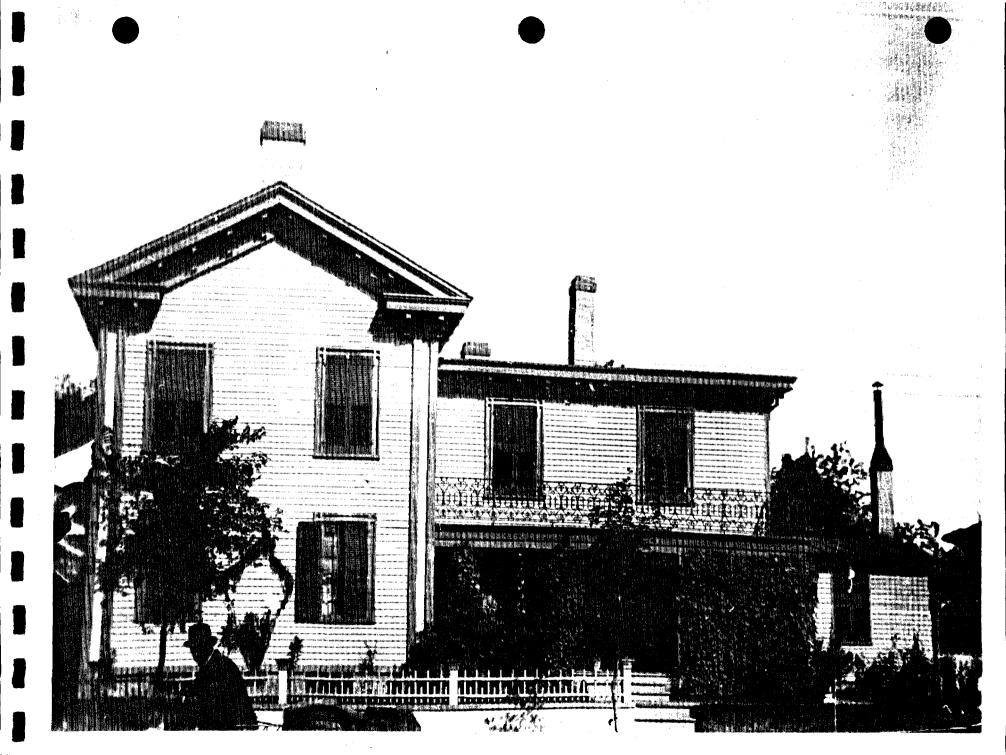
This box of relies will be sent free, by express, upon receipt of 75 cents.

Flooring from the dining room.

Circa 1890
Lincoln Home
View from south

courtesy of the Illinois State Historical Library

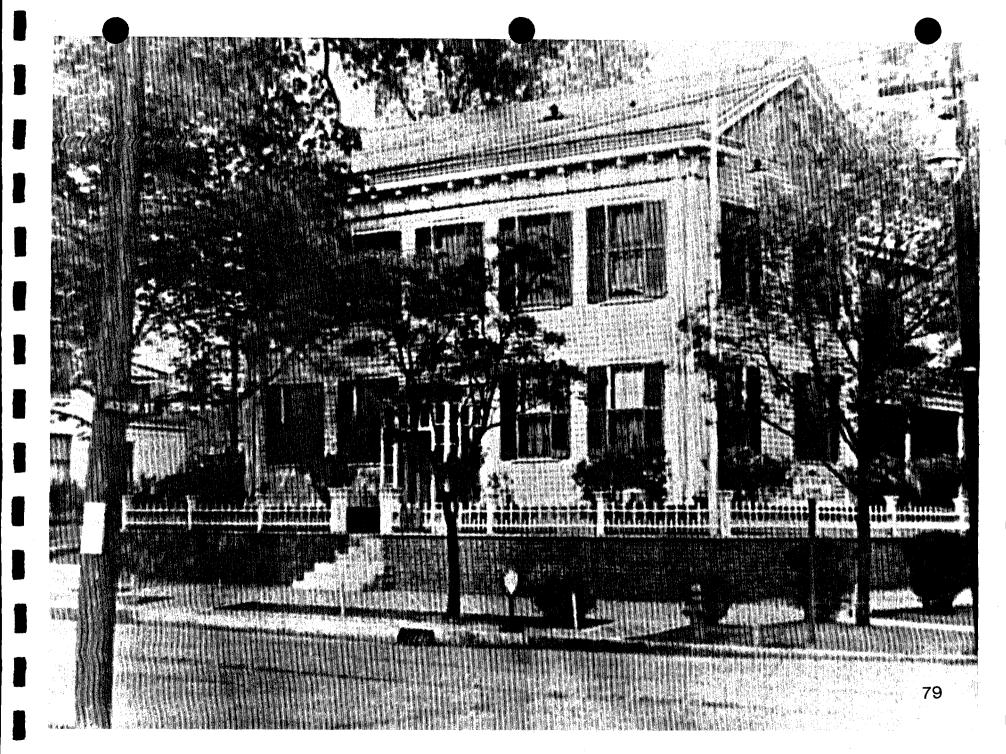
Note kitchen addition at rear



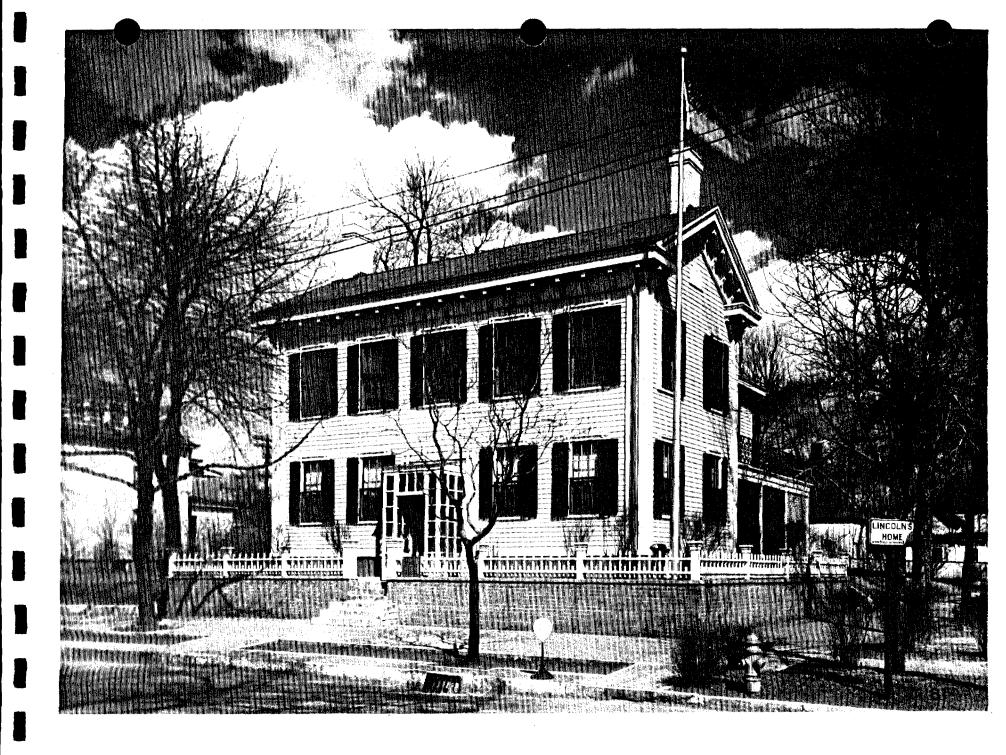
Date Unknown Lincoln Home View from southwest

courtesy of the Illinois State Historical Library

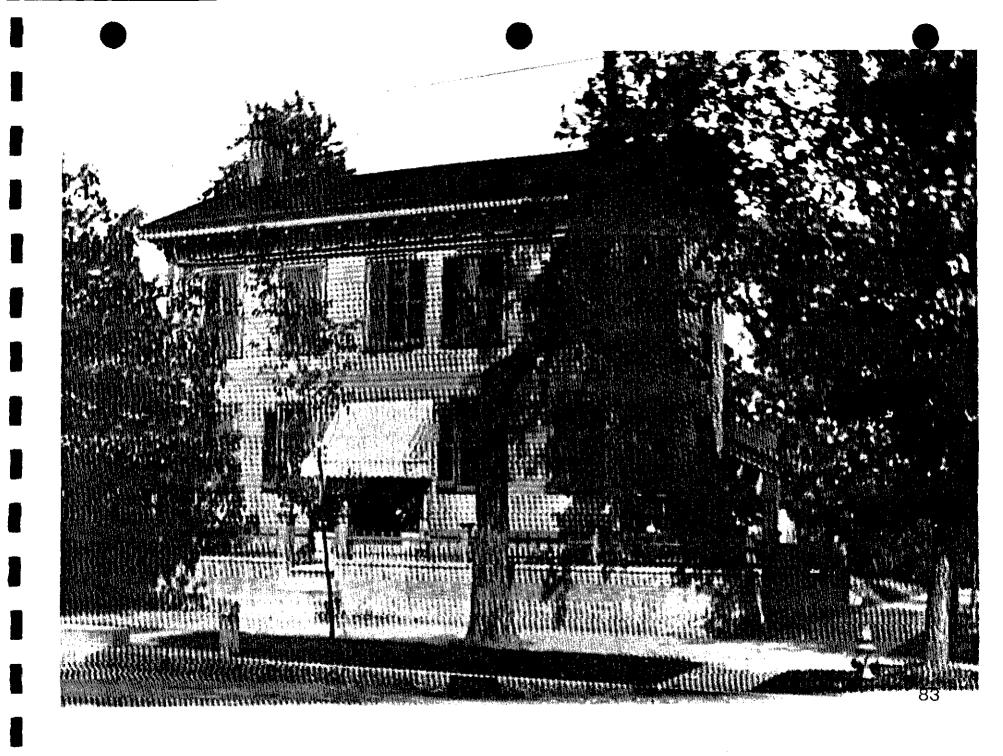
Note framed vestibule added to entry of the Lincoln Home



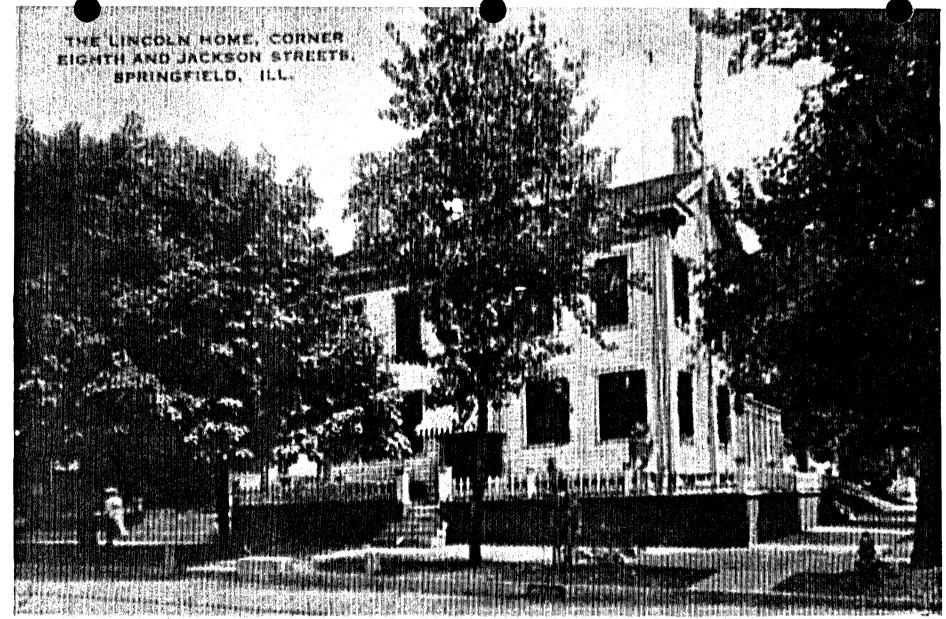
Date Unknown
Lincoln Home
View from west-southwest
courtesy of the Illinois State Historical Library
Note framed vestibule added to entry



Date Unknown
Lincoln Home
View from west-southwest
courtesy of the Illinois State Historical Library
Note awning over front (west) entry

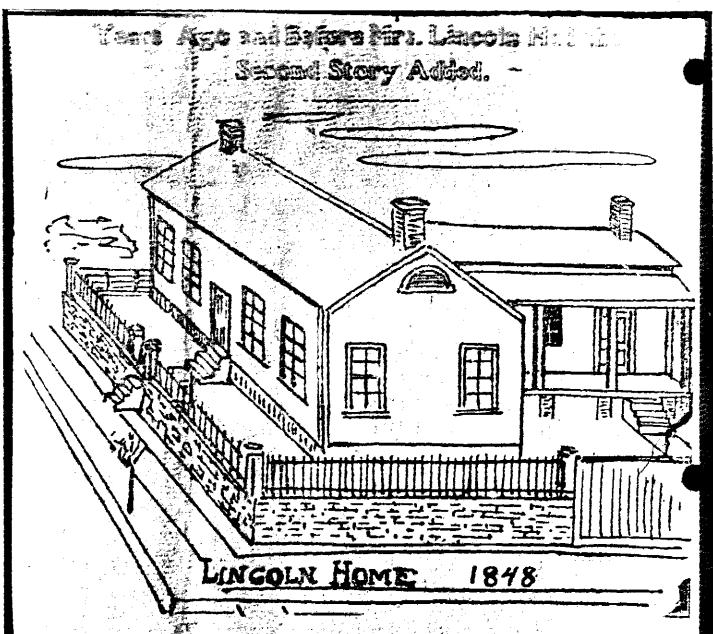


Date Unknown
Lincoln Home
View from southwest
courtesy of the Illinois State Historical Library
Note awning added to entry of the Lincoln Home



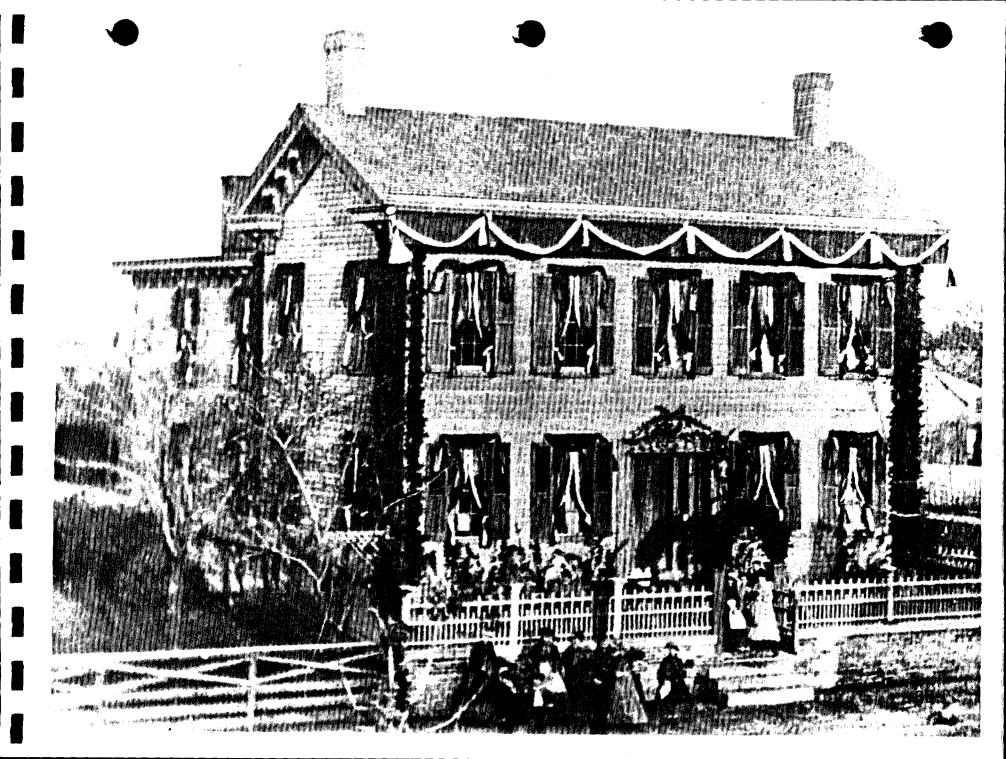
ABRAHAM LINCOLN AND HIS FAMILY OCCUPIED THIS HOUSE FROM MAY 2ND, 1844, UNTIL THE TIME OF THEIR DEPARTURE FOR WASHINGTON IN 1881. IN THIS HOUSE THREE OF HIS CHILDREN WERE BORN.

Date Unknown
Lincoln Home
View from south-southwest
Newspaper clipping with sketch and article
courtesy of the Illinois State Historical Library



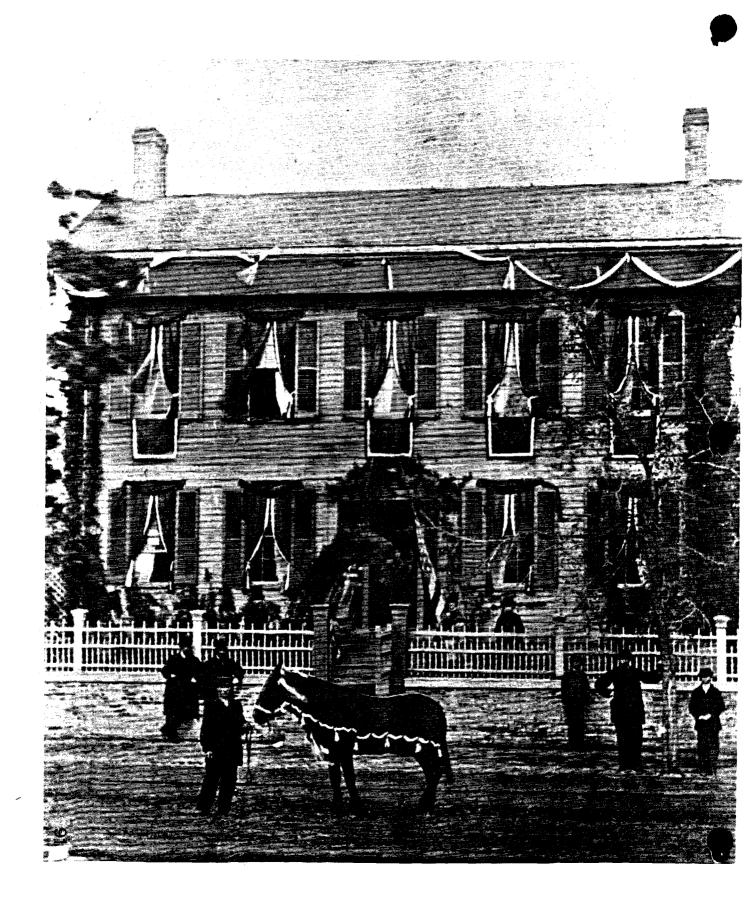
The News on this appiversary is a picture from memory of the Lincoln home on reet as of South Eighth peared in 1848 1 before it was | dent appealed to his love of practical stances it was considered a very comfor joking and so he see olled along the street able and commodious cottage.

The contribution of A. V. Arnoid to regarding the structure with great curiosity. At last he met one of his neighbors, or whom he inquired, "Can you tell me whereaboute the widow Lincoln lives?" then, it is said, his wife appeared on the porch and told him to quit his foolishremodeled by help raiset a story ness and come home. Whether this story Biographers tell the story that the work of is true or not, as the historians have told remodeling the house was done by order of it, with all the embellishments, it is never-Mrs. Lincoln during the absence of her theless true that the house was remodeled husband who was out "riding the circuit," and the picture by Mr. Arnold, whose home On his return the proprietor pould hardly was just across the street is a very faithbelieve his eyes when he saw the trans ful reproduction of it in the earlier years, formation in his modest home. The inci- when in Mr. Lincoln's moderate circum4 May 1865 Lincoln Home View from northwest

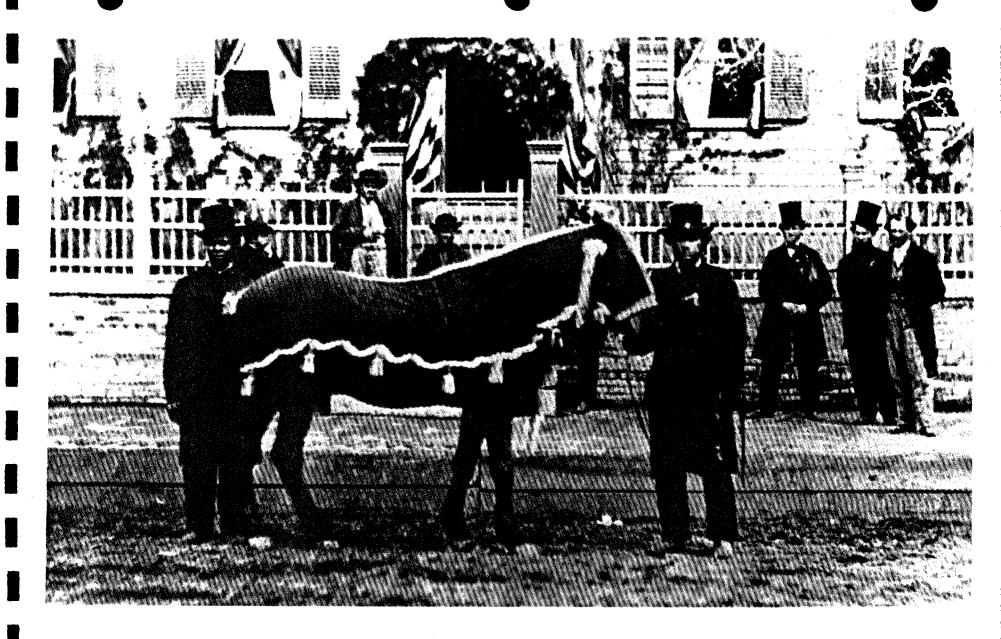


4 May 1865 Lincoln Home View from west

courtesy of the Illinois State Historical Library

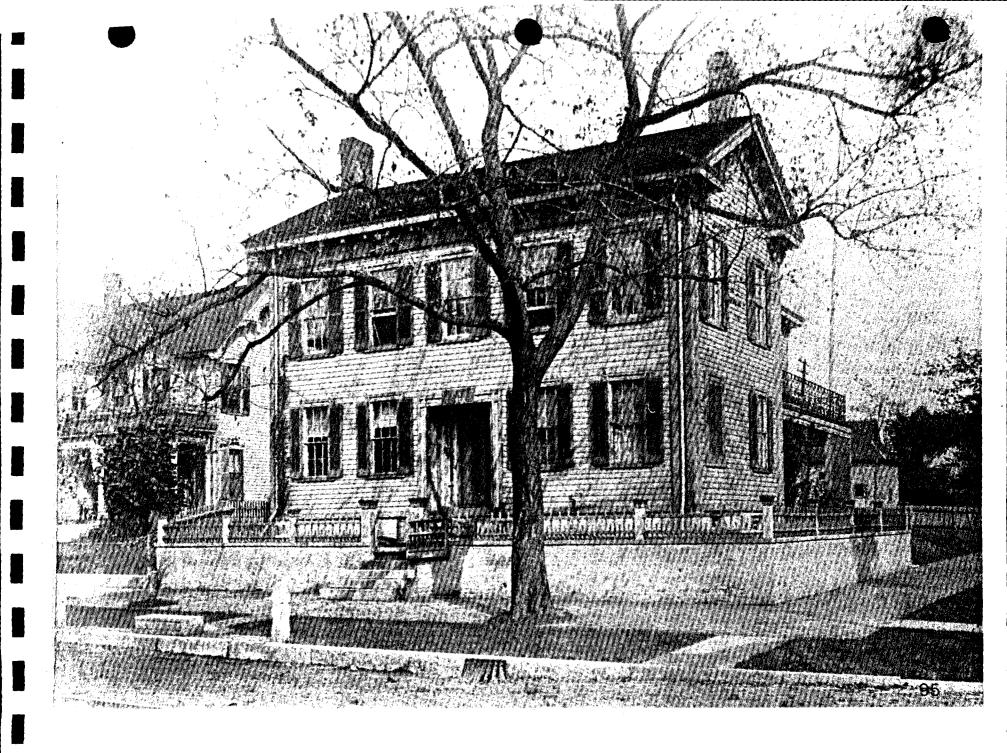


4 May 1865 Lincoln Home Photograph of "Old Bob" in front of the Lincoln Home courtesy of the Illinois State Historical Library



Date Unknown Lincoln Home View from west-southwest

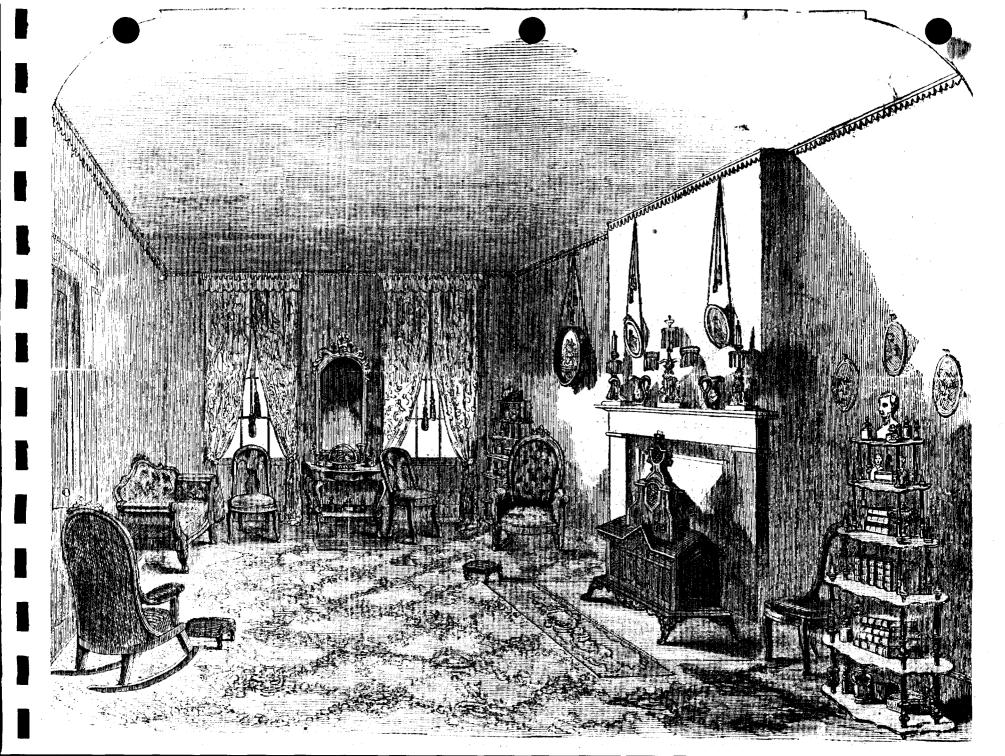
courtesy of the Illinois State Historical Library



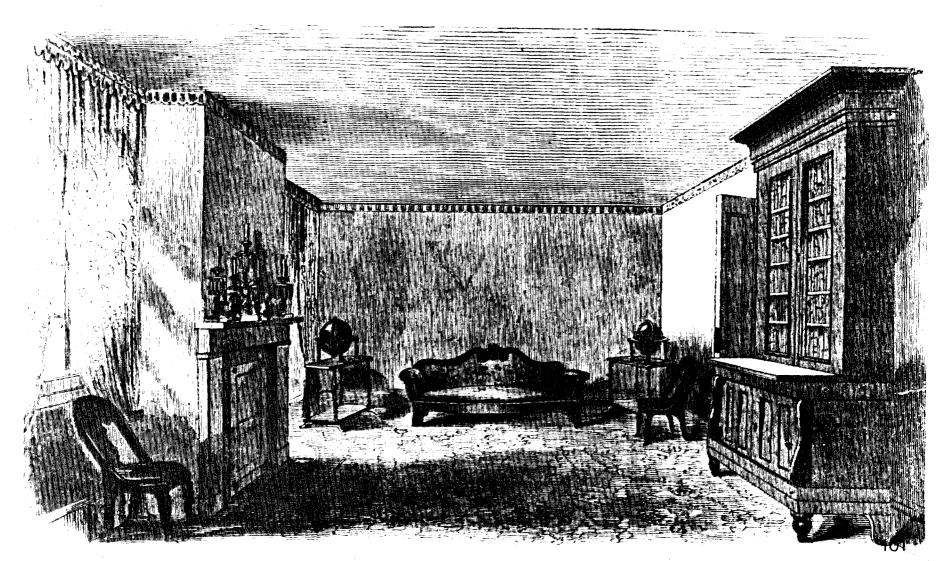
b. Interior Historic Photographs

These photographs are in chronological order with a description on the preceding page.

1861 Lincoln Home Front Parlor sketch by "Leslie's" artist courtesy of the Illinois State Historical Library

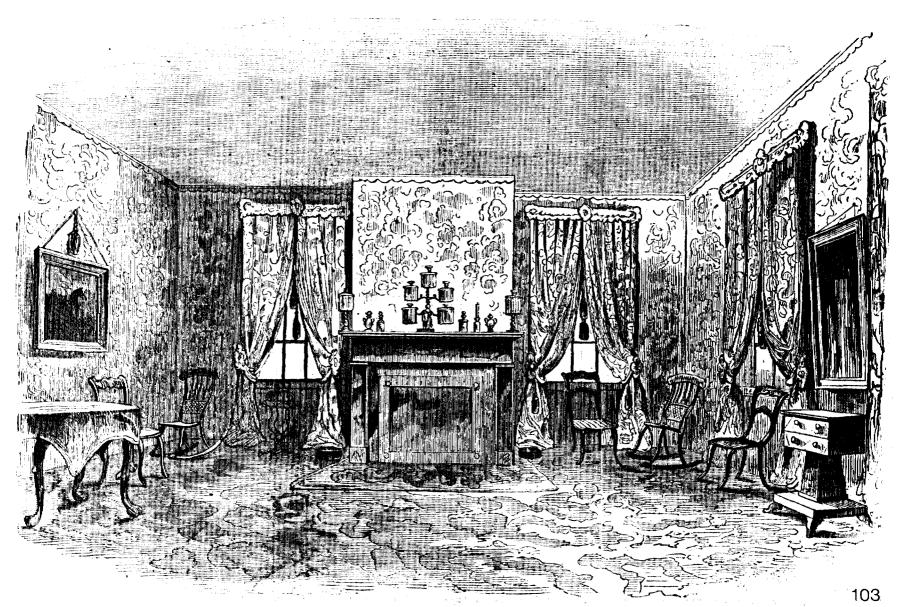


1861 Lincoln Home Back Parlor sketch by "Leslie's" artist courtesy of the Illinois State Historical Library



PARGOS IN PRESIDENT LINCOLN'S HOUSE, AT SPRINGFISHED, INLINOIS,

1861 Lincoln Home Sitting Room sketch by "Leslie's" artist courtesy of the Illinois State Historical Library

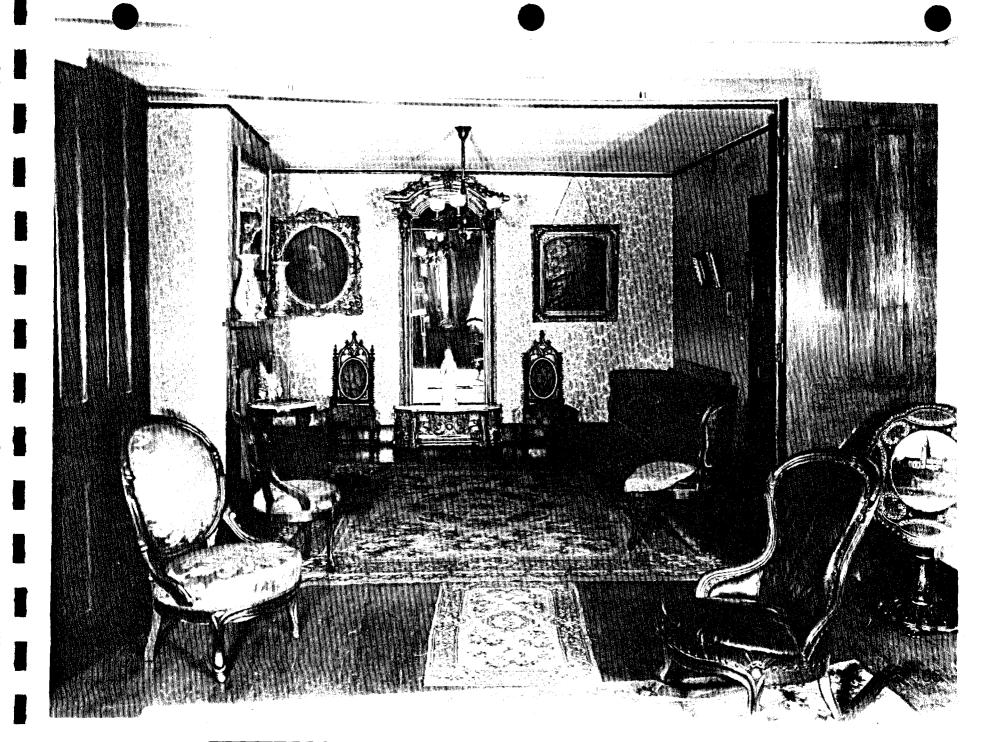


SEPERMITARIOM IN ADRIAGAM LENCOLN'S HOUSE, SPRINGFIELD, TILL -- SERTCHED BY OUR SPECIAL ARTIST.

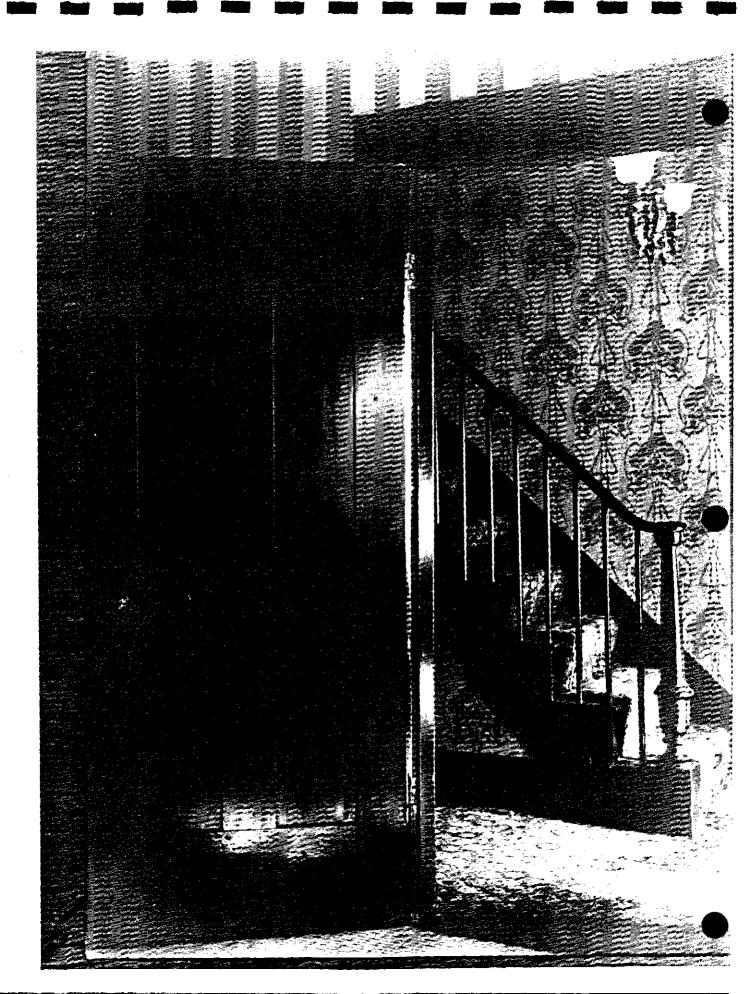
Lincoln Home Parlors

courtesy of the Illinois State Historical Library

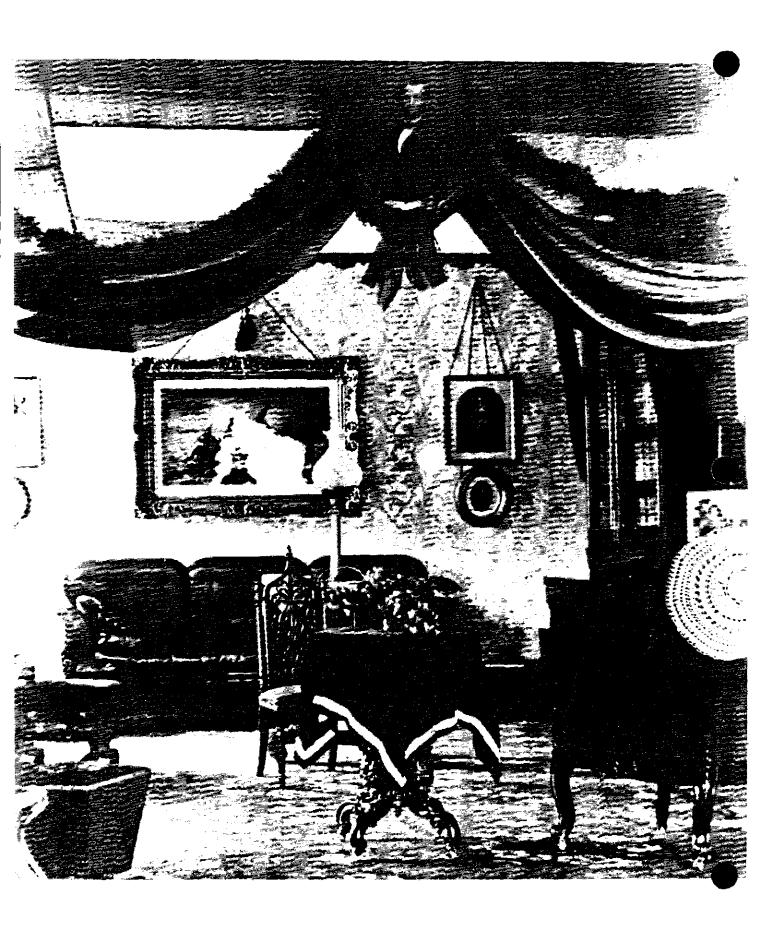
Please note the deflection in the frame of doorway.



Pre-1918 Lincoln Home Stairs in Entrance Hall View from Front Parlor through Door into Entrance Hall courtesy of the Illinois State Historical Library



Date Unknown
Lincoln Home
Back Parlor
View of Back Parlor from Front Parlor
courtesy of the Illinois State Historical Library



5. Historic Drawings

The historic drawings included in this section are all the available known existing drawings and sketches directly related to "Lincoln Home."

We are indebted to Mr. Connie Lelys of the Illinois Department of Conservation for his patience and assistance in the search for these documents within the Department of Conservation, the State Archives, and the Capital Development Board.

KEY TO ABBREVIATIONS AND NOTATIONS

Index Number: Year of drawing and chronological sequence by colendar

Agency Code: Architect or Administration and Responsible Agency

fict Known George W. Bullard, Architect M-OPW Martin - Department of Public Works Department of Public Works and Buildings
 Department of Public Works
 Department of Purchases and Construction B-DPvi Bloom L-DPN Lindstrom L-DPC Lindstrom H-DPC Hammond - Department of Purchases and Construction SAH-DPC Booton & Hammond - Department of Purchases and Construction ห้-มคพ Hammond - Department of Public Works and Buildings - Department of Public Works and Buildings M-DPW Williams - Department of Public Works and Buildings
- Department of Public Works and Buildings
- Department of Public Works and Buildings - DPW RDH-DPW Not Known R. O. Henderson G-DPW Gerding P-DPM Palmer - Department of Public Works and Buildings J-DPW Johanson - Department of Public Works and Bulldings - Landscape Architect
- Illinois Department of Conservation Schulte ERH-Cons ERH - Illinois Department of Conservation M-Cons Malkovich 8-Cons Barkhausen - Illinois Department of Conservation - Illinois Capital Development Board CCB

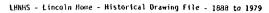
ORIGINAL SHEET SIZE & TYPE: Actual size of original Tracing (T) or Microfilm (NF) copy



Neg.	Index No.	Date	Sheet No.	Description	Agency Code	Orig.Sheet Stze/Type
1	88-1	1888	-	Floor Plan - Measured Drawing	GB	21 x 25 T
2	88-2	1888	•	Elevations and Details - Measured Drawings	GB	25 x 46 T
3	88-3	1888	-	Site Plan & Details - Measured Drawings	GB	25 x 46 T
4	88-4	1888	-	Details	GB	29 x 46 T
5	18-1	29 Nov. 1918	1	New Storm Entrance	M-DPW	24 x 31
6	20-1	1920's	water to all the street for	Proposed ("Park") Plan - Lincoln Homestead	B-DPW	14 x 26 T
6	20-2	1920's	-	Plan and Elevations (not accurate) Small Scale	NK	105x 16 MF
6	20-2	16 May 1925	1	First Floor Plan - Lincoln Homestead	L-DPW	8 x 10 5MF
6	20-2	16 May 1925	2	Second Floor and Roof Plan - Lincoln Homestead	L-DPW	8 x 104MF
6	20-2	16 May 1925	3	Roof Plan	L-DPW	8 x 105MF
6	20-2	1926	1	New Sidewalk Plan at East Side Rear	M-DPW	8 x 104MF
7	27-1	20 Sept. 1927	1	Basement and Foundation Plan - Measured Drawing	L-DPW	28 x 37 T
7	27-2	20 Sept. 1927	2	First Floor Plan - Measured Drawing	L-DPW	28 x 37 T
8	27-3	20 Sept. 1927	3	Second Floor Plan- Measured Drawing	L-DPW	28 x 37 T
8	27-4	20 Sept. 1927	4	Front Elevation and Details - Measured Drawings	L-DPW	28 x 37 T
9	27-5	20 Sept. 1927	5	North Elevation - Measured Orawing	L-DPW	28 x 37 T
9	27-6	20 Sept. 1927	6	East Elevation - Measured Drawing	L-DPW	28 x 37 T
10	27-7	20 Sept. 1927	7	South Elevation - Measured Drawing	L-DPW	28 x 37 T

LHNHS - Lincoln Home - Historical Drawing File - 1888 to 1979

	LHNHS - Lincoln Home - Historical Drawing File - 1888 to 1979										
	Neg. No.	Index No.	Date	Sheet No.	! Description	Agency Code	Orig.Sheet Size/Type				
	10	27:8	20 Sept. 1927	8	Longitudinal Section - Measured Drawing	L-DPW	28 x 37 T				
	11	27-9	20 Sept. 1927	9	Interior Details - Measured Drawing	L-DPW	28 × 37 T				
	12	31-1	8 Sept. 1931	-	Plot Plan - Lincoln's Home - Sketch	NK	10 x 16 MF				
	12	31-1	28 Aug. 1931	1	Removable Rope Rafl Standards	H-DPC	14 x 18 MF				
	12	31-1	15 Nov. 1931	1	New Toilet Building - Plot Plan, Foundation Plan & Details	H-DPC	1315x 24 MF				
	13	31-2	15 Nov. 1931	2	New Toilet Building - Ground Floor Plan & Details	H-DPC	1315x 24 MF				
	13	31-2	15 Nov. 1931	3	New Toilet Building - West Elevation and Details	H-DPC	134x 24 MF				
İ	13	31-3	15 Nov. 1931	4	New Toilet Building - South Elevation and Section	H-DPC	135x 24 MF				
	13	31-3	15 Nov. 1931	1-M	New Toilet Building - Plumbing, Heat- ing and Yentilating	H-DPC	135x 24 MF				
	14	33-1	1933	M-1	Heating and Ventilating - "Present Service"	H-DPC	17 x 29 T				
	14	33-2	Feb. 1933	M-1	Heating and Ventilating - Prop. Alt. Scheme "A" - Basement	H-DPC	17 x 29 T				
	14	33-2	1933	M-1	Heating and Ventilating - Prop. Alt. Scheme "B" - Basement	H-DPC	17 x 29 T				
	15	33-3	9 Feb. 1933	M-2	Heating and Ventilating - Prop. Alt. Scheme "A" - First Floor	H-DPC	17 x 29 T				
	15	33-3	1933	M-2	Heating and Ventilating - Prop. Alt. Scheme "B" - First Floor	H-DPC	17 x 29 T				
	15	33-4	9 Feb. 1933	M-3	Heating and Yentilating - Prop. Alt. Scheme "A" - Second Floor	H-DPC	17 x 29 T				
	15	33-4	1933	M-3	Heating and Ventilating - Prop. Alt. Scheme "B" - Second Floor	H-DPC	17 x 29 T				
	16	33-5	1933	M-1	Heating and Ventilating - Prop. Alt. Scheme "C" - Basement	H-DPC	17 x 29 T				
	16	33-6	1933	H-2	Heating and Ventilating - Prop. Alt. Scheme "C" - First Floor	H-DPC	17 x 29 T				



Neg.	Index	Date	Sheet No.	Description	Agency Code	Orig.Sheet Size/Type
17	33-7	1933	M-3	Heating and Ventilating - Prop. Alt. Scheme "C" - Second Floor	H-DPC	17 × 29 T
17	33-8	20 Feb. 1933	E-1	Electrical Wiring - Schene "A" - Basement	H-DPC	17 x 29 T
18	33-9	20 Feb. 1933	E-2	Electrical Wiring - Scheme "A" - First Floor	H-DPC	17 x 29 T
18	33-9	1933	E-2	Electrical Wiring - Scheme "B" - First Floor	H-DPC	17 x 29 T
18	33-10	20 Feb. 1933	E-3	Electrical Wiring - Scheme "A" - Second Floor	H-DPC	17 x 29 T
18	33-10	1933	E-3	Electrical Wiring - Scheme "B" - Second Floor	H-DPC	17 x 29 T
19	33-13	9 Feb. 1933	5	Proposed Alternates - Light Cabinets	B&H-DPC	18 × 30 T
19	33-14	Feb. 1933	6	First Floor Railing Details	B&H-DPC	17 x 29 T
19	33-14	Feb. 1933	7	Main Stairway Details	B&H-DPC	17 x 29 T
20	34-1	22 Nov. 1934	E-1	Electrical Wiring - Basement	H-DPW	10x 17⅓ MF
20	34-1	22 Nov. 1934	E-2	Electrical Wiring - First Floor Plan	H-DPW	10x 174 MF
21	40-1	9 Apr. 19 4 0	A-1	Alterations - Plot Plan, Sidewalks, Shutters and Details	H-OPW	25 x 37 T
21	41-1	17 Jan. 1941	1	Lightning Protection - Roof Plan and Details	H-DPW	24 x 36 T
22	41-2	2 Sept 1941	3	Alterations - Sidewalks, Kitchens Screens, Light Fixtures '	H-DPW	25 x 37 T
22	45-1	2 Apr. 1945	l	Border Planting	W-DPW	25 x 36 T
23	47-1	14 Oct. 1947	l	Landscape Revisions	W-DPW	25 x 37 T
24	48-1	16 July 1948	er i Trussakkanningar i 1 km m	Proposed Alterations - Heating & Ventilating - Second Floor	-DPW	18 x 25 MF
24	48-1	16 July 1948	A-1	Proposed Alterations - Diagramatic Plan - Second Floor	-DPW	18 x 25 MF

LHNHS - Lincoln Home - Historical Drawing File - 1888 to 1979

Neg. No.	Index No.	Date	Sheet No.	Description	Agency Code	Orig.Sheet Size/Type
25	48-2	11 Oct. 1948	Parameter San Pa	Full-Size Light Refl. Detail - Second Floor	H-DPW	17 x 20 MF
25	48-3	1 Nov. 1948	A-1	Alterations at Second Floor & Stairs Second Floor Plan	H-DPW	27 x 37 T
26	48-4	1 Nov. 1948	A-2	Alterations at Second Floor - Stairs and Miscellaneous Details	H-DPW	27 x 37 T
	48-5	1 Nov. 1948	E-1	Hissing - (Not in collection at the III. Dept. of Conservation)	Probable H-DPW	Probable 27 x 37 T
27	48-6	1 Nov. 1948	E-2	Second Floor Electrical Plan and Specifications	H-NBM	27 x 37 T
28	48-8	Late 40's	-	"Signs at Points of Interest in Home"	NK	25 x 37 T
28	51-1	19 Nov. 1951	A-1	New Weatherstripping - Plans and Specifications	H-DPW	185x 30 T
29	52-1	1952	*	Restoration and Rehab - First Floor	н-ори	18 x 24 T
29	52-1	1952	-	Restoration and Rehab - Second Floor	H-DPW	18 x 24 T
30	52-2	12 May 1952	A-1	Restoration and Rehab - North and West Elevations	H-OPW	274x 40 T
30	52-3	12 May 1952	A-2	Restoration and Rehab - East and South Elevations	H-DPW	274x 40 T
31	52-4	12 May 1952	A-3	Restoration and Rehab - First Floor Plan and Site Plan	H-DPW	27 يو 40 ¥
31	52-5	12 May 1952	A-4	Restoration and Rehab - Longitudinal Section & Fireplace	H-DPW	271 ₉ x 40 T
32	52-6	12 May 1952	A-5	Restoration and Rehab - Roof Plan and Handrail Detail	H-DPW	275x 40 T
33	52-7	12 May 1952	ME-1	Restoration and Rehab - Elec/Htg/Pibg - Basement	H-DPW	27½x 40 T
33	52-8	12 May 1952	ME-2	Restoration and Rehab - Elec/Htg/Plbg - First Floor	H-DPW	271 ₈ x 40 T
33	52-10	29 June 1952	-	Visitor Circulation Plan - Preliminary	H-DPW	12½×19½ MF
33	52-10	29 June 1952	-	Visitor Circulation Plan - Final	H-DPW	124x194 MF

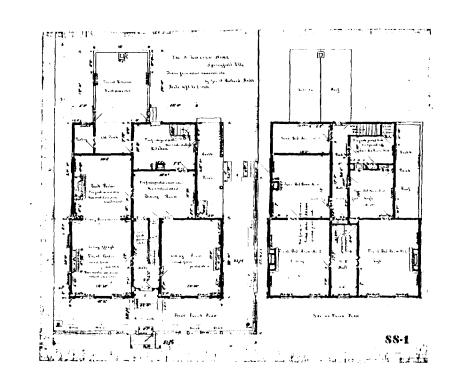


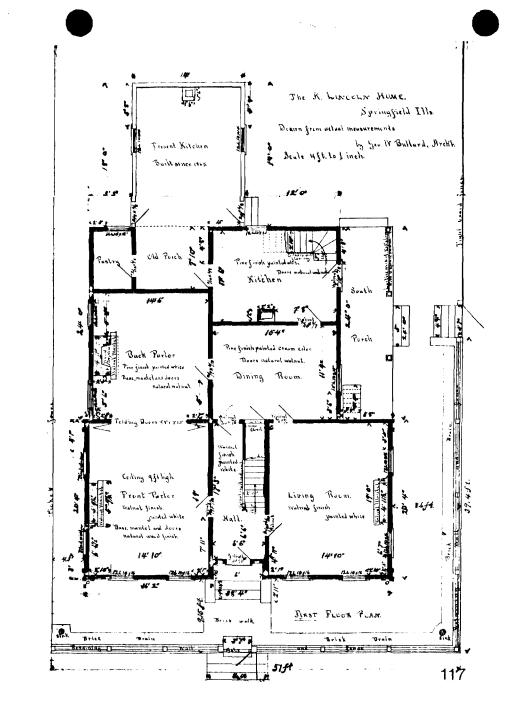
Neg. No.	Index No.	Date_	Sheet No.	Description	Agency Code	Orig.Sheet Size/Type
34	52-12	28 July 1952	A	Jemp. Guide Station - Plan, Elevation, Section	H-DPW	25 x 36 T
34	52-14	1952	-	Structural Improvements - "Investigation Hotes"	NK	164x 24 MF
34	52-14	23 Sept. 1952	-	Structural Investigation - Basement Plan	RDH-DPW	125x165 MF
35	52-15	15 Oct. 1952	1	Structural Improvements - Basement Plan	ROH-DPW	25 x 38 T
36	53-1	27 Jan. 1953	A-1	Basement Plan and Details - Structural improvements	G-DPW	184x 24 MF
37	54-1	1 Feb. 1954	A-1	Further Restoration - Basement Plan and Details	G-DPW	28 x 39 T
37	54-2	1 Feb. 1954	A-2	Further Restoration - First Floor Plan & Specifications	G-DPW	28 x 39 T
38	54~3	1 Feb. 1954	A-3	Further Restoration - Second Floor Plan & Specifications	G-DPW	28 x 39 T
38	54-4	2 June 1954	A-3R	Further Restoration - Second Floor Framing and Foundation	G-DPW	19 x 24 T
39	54-5	1 Feb. 1954	A-4	Further Restoration - Stair and Miscellaneous Details	G-DPW	28 x 39 T
39	54-6	1 Feb. 1954	E-1	Further Restoration - Elec. Plan - First and Second Floor	G-DPW	28 x 39 T
40	54-7	1 Feb. 1954	M-1	Further Restoration - Site, Basement First and Second Floor	G-DPW	28 x 39 T
40	54-8	1 Feb. 1954	M-2	Further Restoration - Section	G-DPW	28 x 39 T
41	55-1	6 Sept. 1955	A-2	Proposed Museum Building - Sketch Plan and Elevation	G-DPW	13 x 224 MF
42	59-1	5 Oct. 1959	1	Curb Side and Leader Walks	P-DPW	24 x 36 T
43	64-1	14 Aug. 1964	A-1	Public Toilet & Museum Facility - Plot Plan, Site Plan	J-DPW	24 x 36 T
44	64-2	14 Aug. 1964	A-2	Public Toilet & Museum Facility - Footing, Foundation, Floor Plan	J-DPW	24 x 36 T
44	64-3	14 Aug. 1964	A-3	Public Toilet & Museum Facility - Exterior Elevations	J-DPW	24 x 36 T

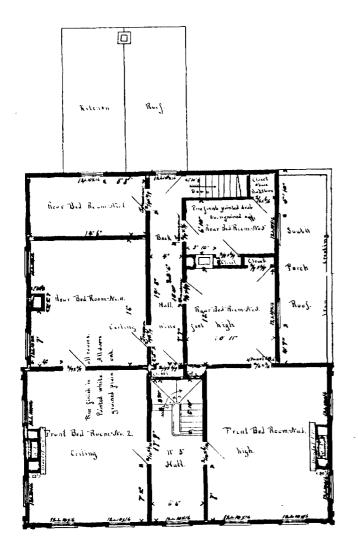
LHNNS - Lincoln Home - Historical Drawing File - 1888 to 1979

Neg. No	Index No.	Date	Sheet No.	Description	Agency Code	Orig.Shee Size/Type
45	64-4	14 Aug. 1964	A-4	Public Toilet & Museum Facility - Section and Interior Elevations	J-DPW	24 x 36 T
46	64-5	14 Aug. 1964	H-1	Public Toilet & Museum Facility - Plumbing Floor Plan	J-DPW	24 x 36 T
47	64-6	14 Aug. 1964	M-2	Public Toilet & Museum Facility - Heating Floor Plan	J-DPW	24 x 36 T
47	64-7	14 Aug. 1964	E-1	Public Toilet & Museum Facility - Electrical Floor Plan	J-DPW	24 x 36 T
48	64/ 66-1	Aug. 1964	•	Routing of Visitors - First Floor Plan	NK	51x 8 M
48	64/ 66-1	Aug. 1964	•	Routing of Visitors - Second Floor Plan	NK	54px 8 N
48	64/ 66-1	23 Feb. 1965	-	Plot Plan - Lincoln Home State Memorial	NK	6 x 10 N
48	64/ 66-1	10 Mar. 1965		The Herb Garden - Site Plan	NK	6 x 9 N
48	64/ 66-1	28 Oct. 1966	•	Plan - Yard at Lincoln Home	S	8 x 16 M
49	69-1	4 Mar. 1969	-	Perspective - View from Parking Lot	ERH-Cons	24 x 37 1
50	70-1	5 Mar. 1970	AME-1	Info Center - Cover Sheet and Site Plans	H-Cons	24 x 36 1
50	70-2	5 Mar. 1970	AME - 2	Info Center - Floor Plans, Elevations and Sections	M-Cons	24 x 36 1
51	70-3	5 Mar. 1970	AME-3	Info Center - Miscellaneous Details and Mechanical	M-Cons	24 x 361
	71-1			New Fence Specification (Missing)- Not part of CDB Microfilm file)	-	١
52	71-1	14 July 1971	A-1	New Fence - Plan, Elevation and Details	B-Cons	16 x 24 F
52	71-2	20 Oct. 1971	A-1	New Fence - Plan, Elevation and Details	B-Cons	24 x 361
Transmission region						erode variables eros anime

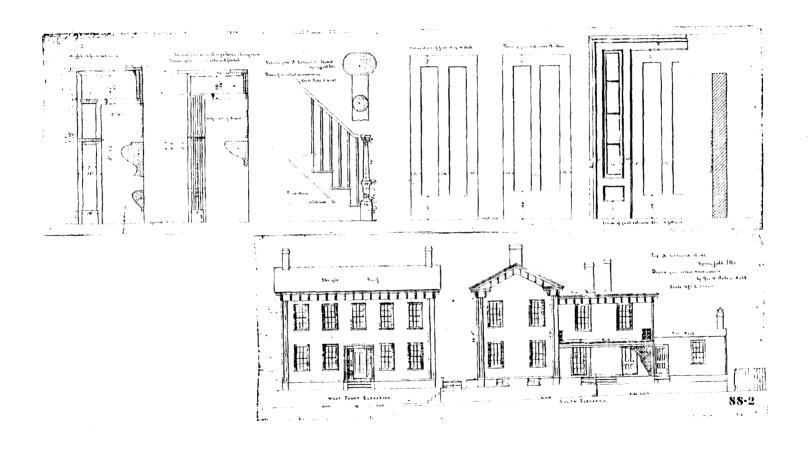
Note: Since the George W. Bullard Measured Drawings are the earliest known drawings of Lincoln Home, the First and Second Floor Plans have been enlarged on the following pages.

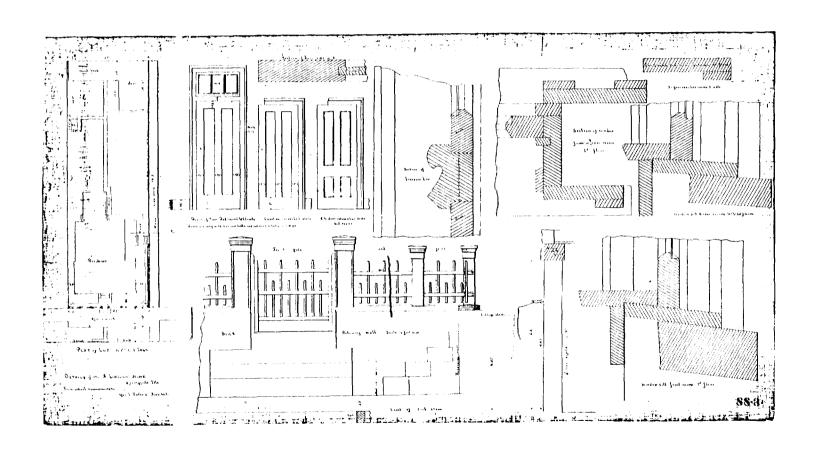




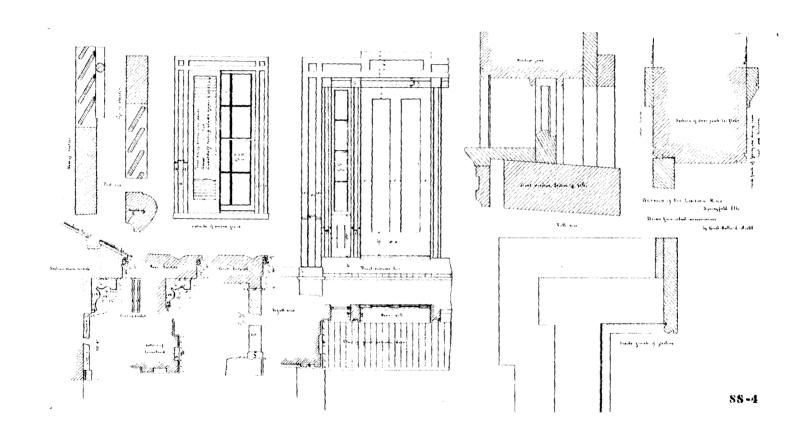


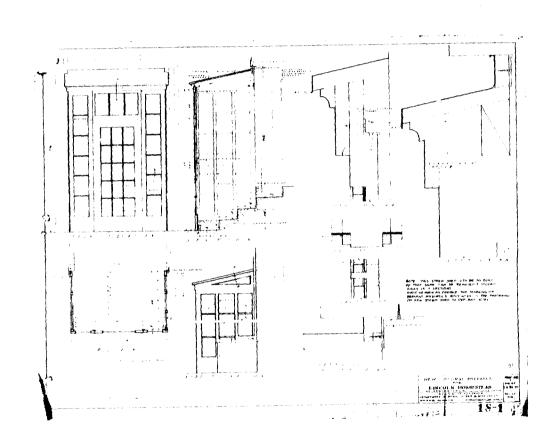
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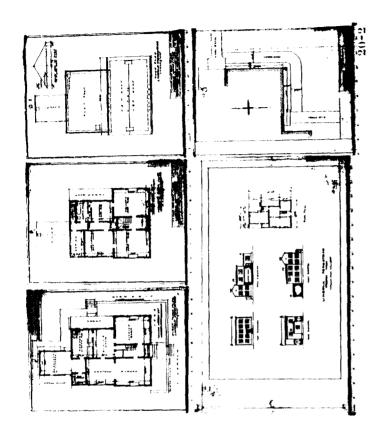


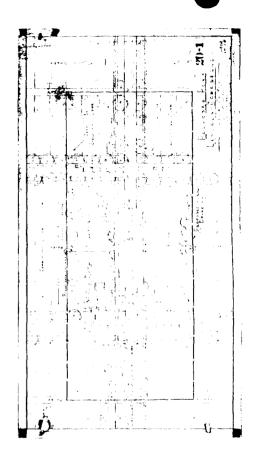


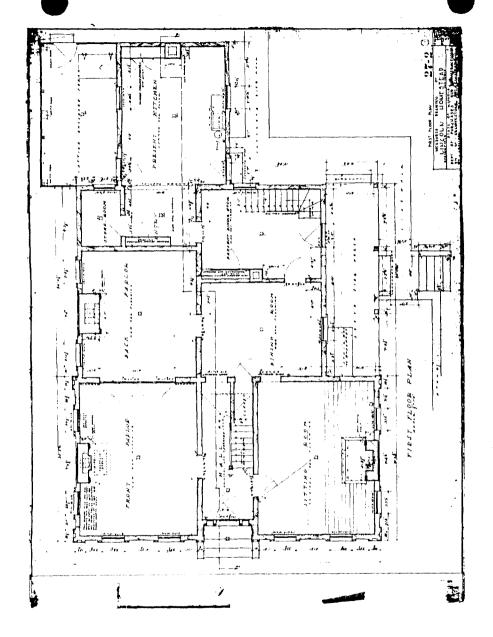
MANUES - HISTORIC DRAWINGS

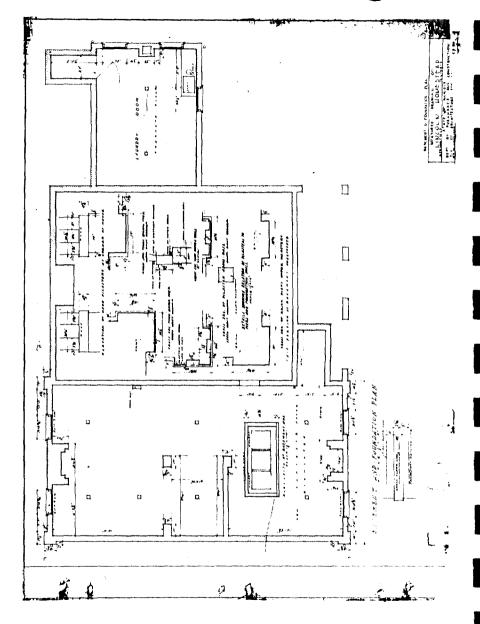


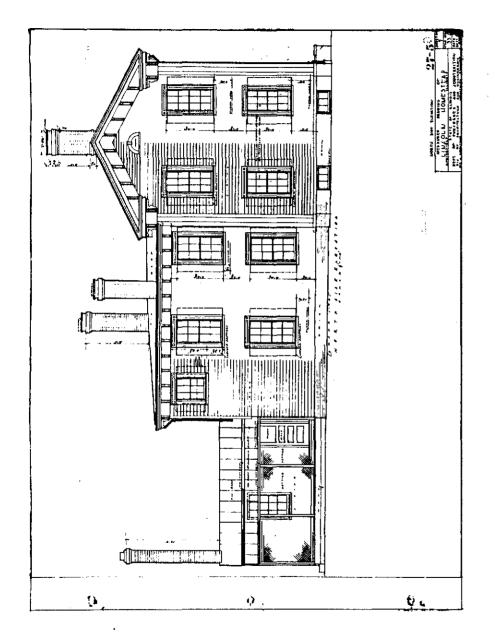


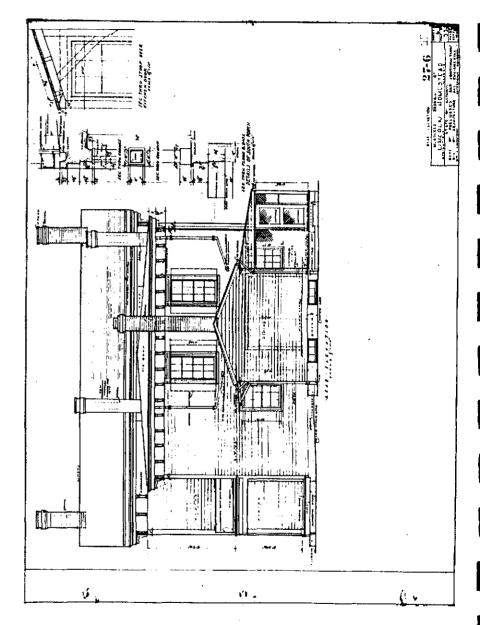


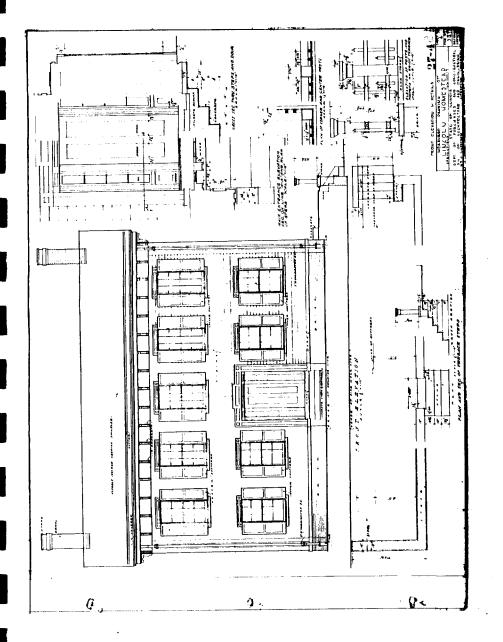


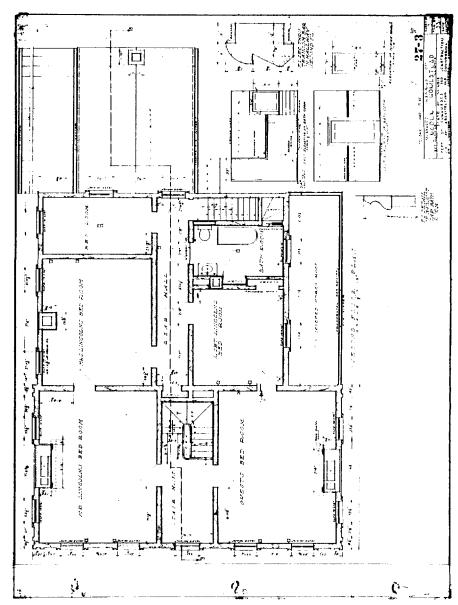


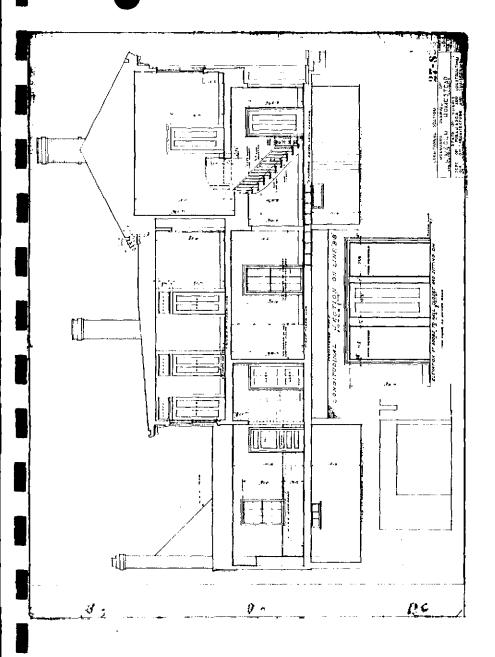


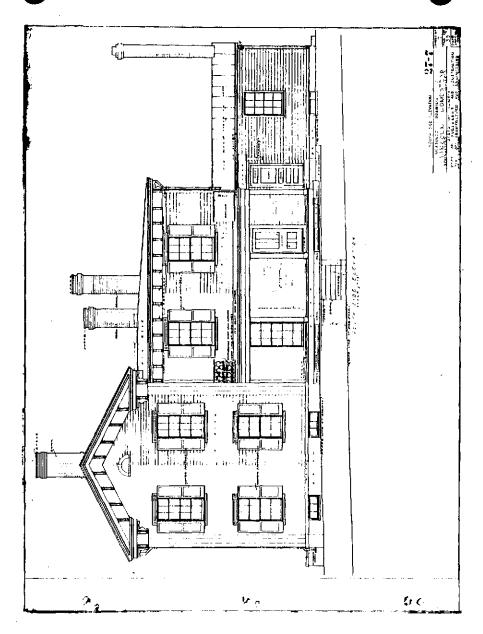


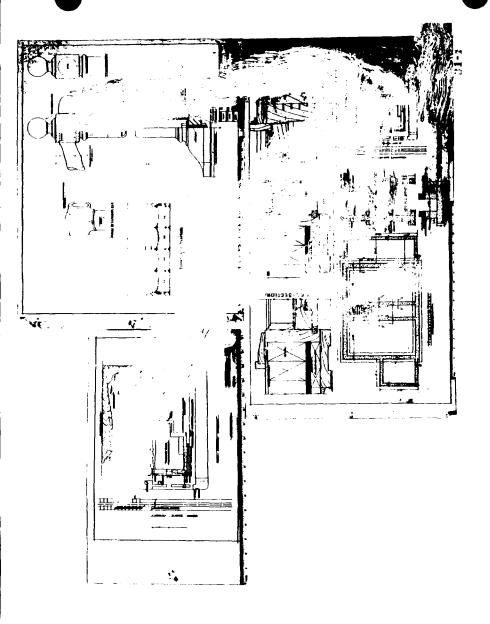


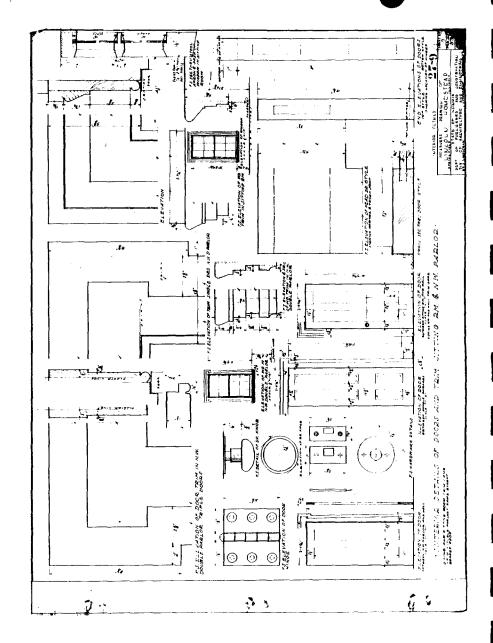


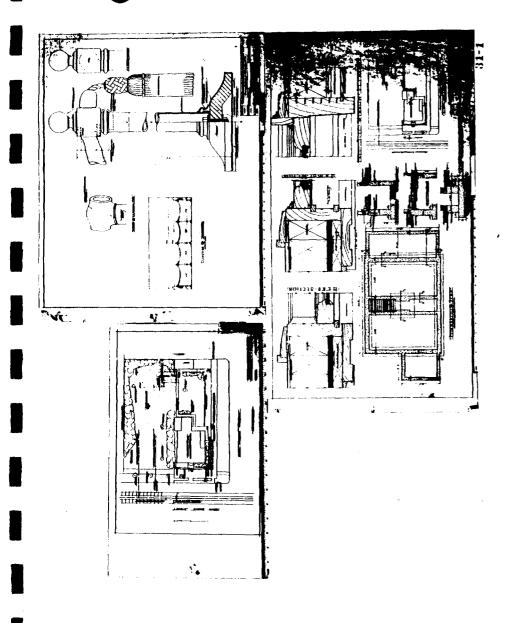


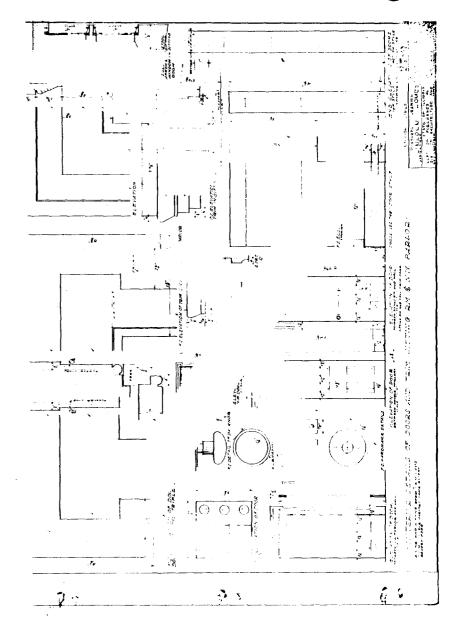


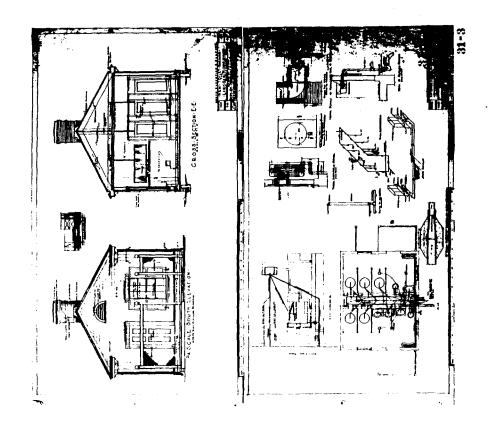


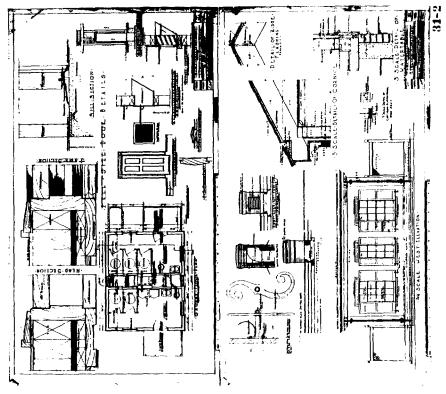


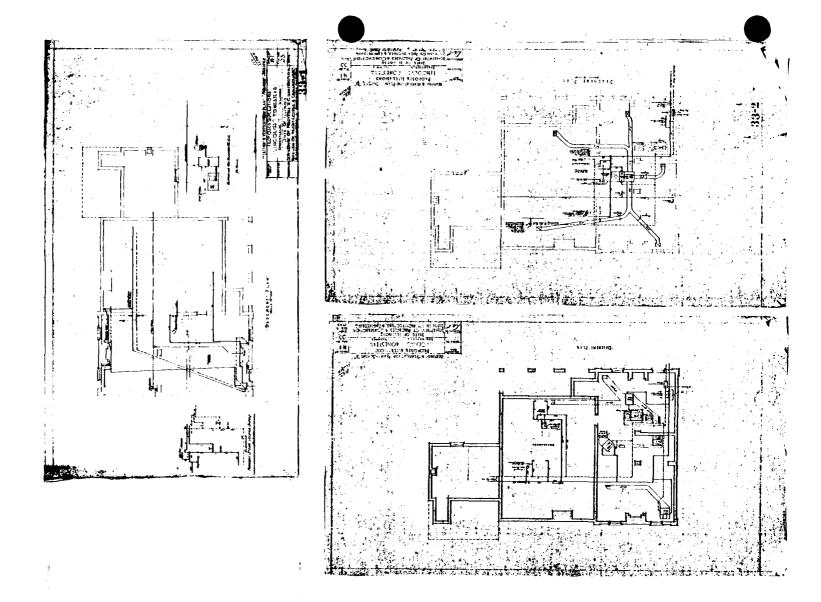


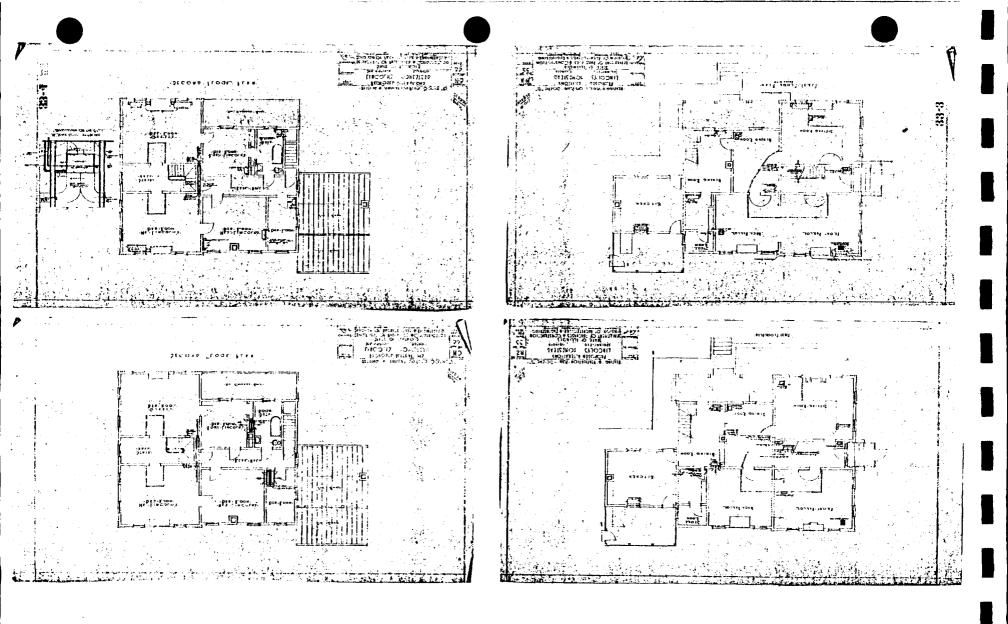


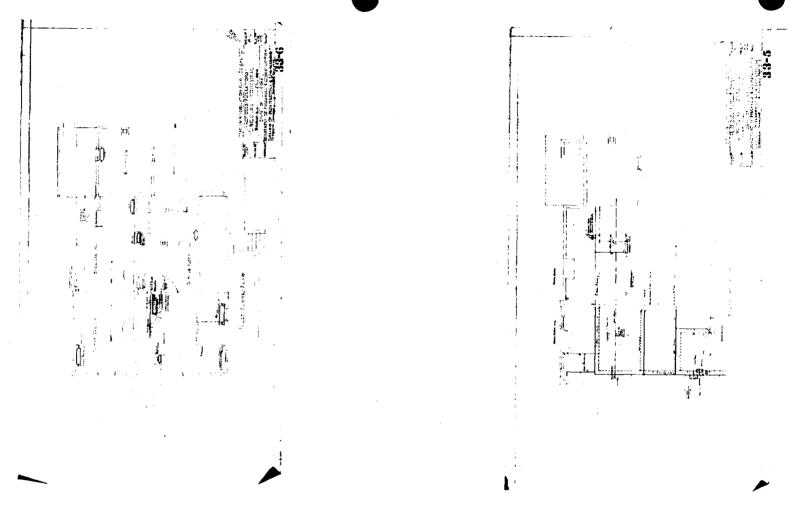


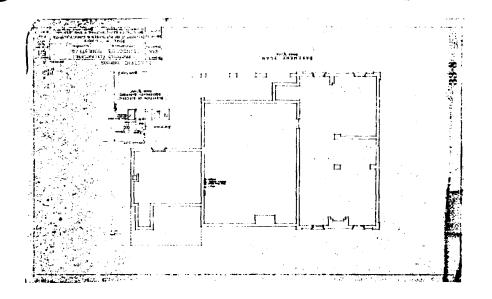


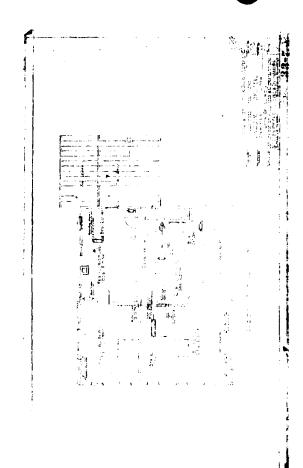


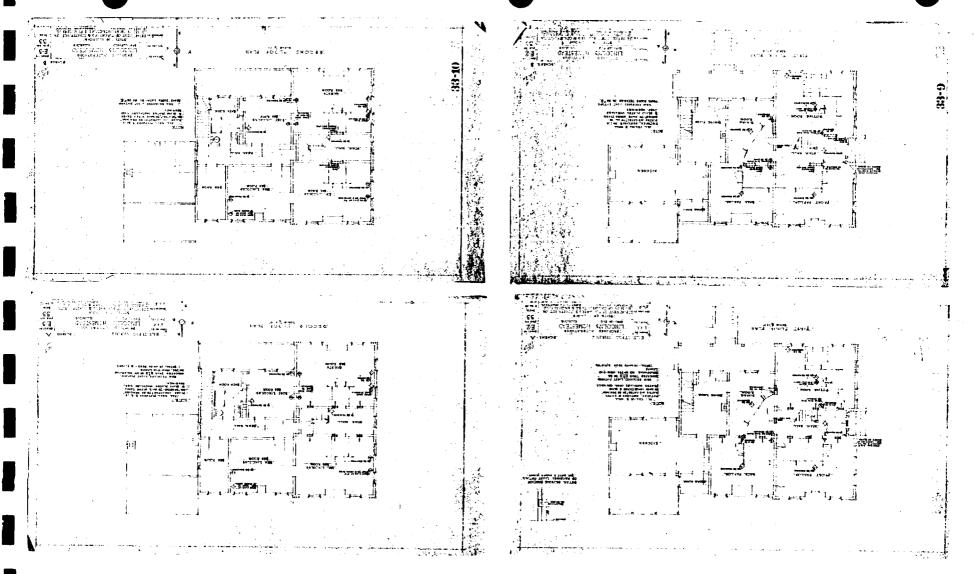


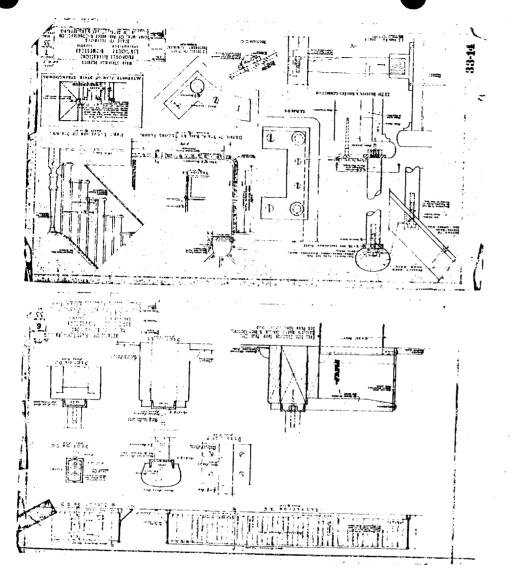


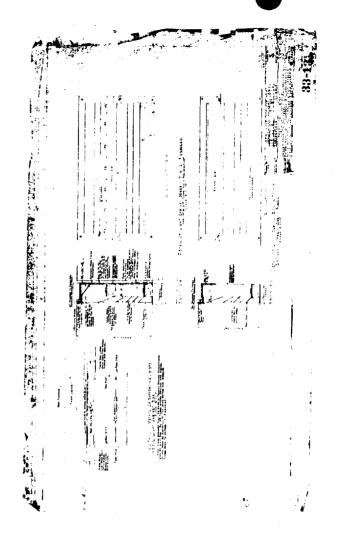


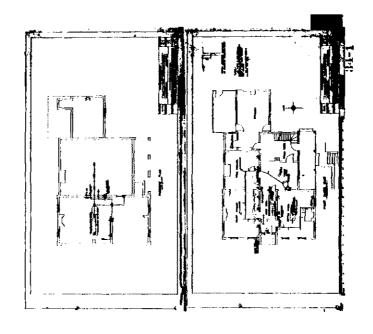


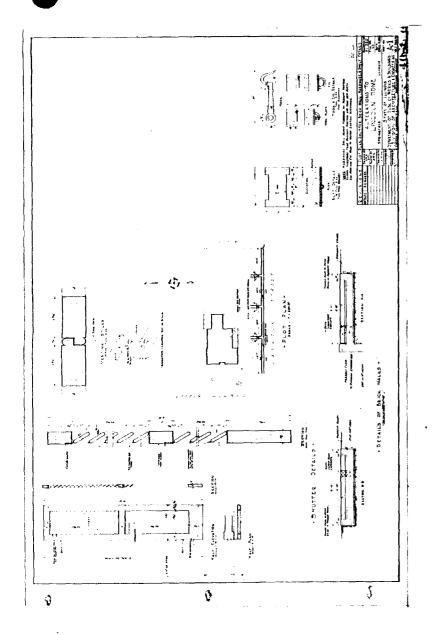


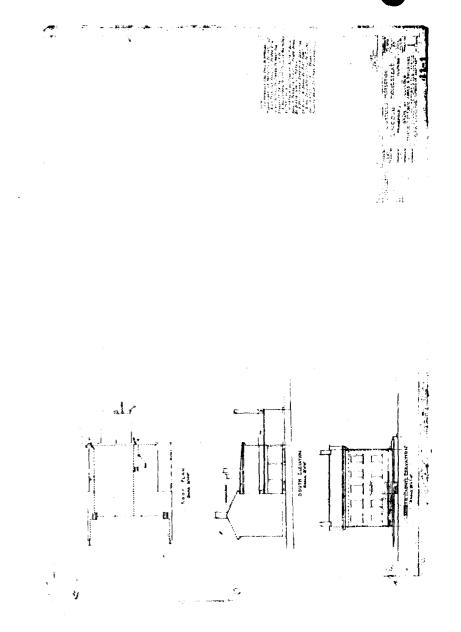


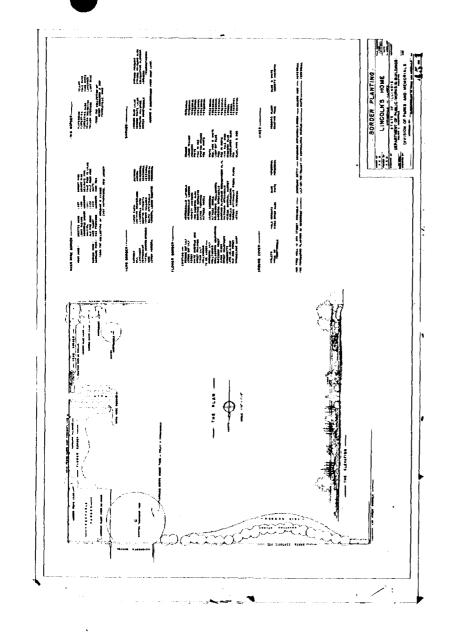


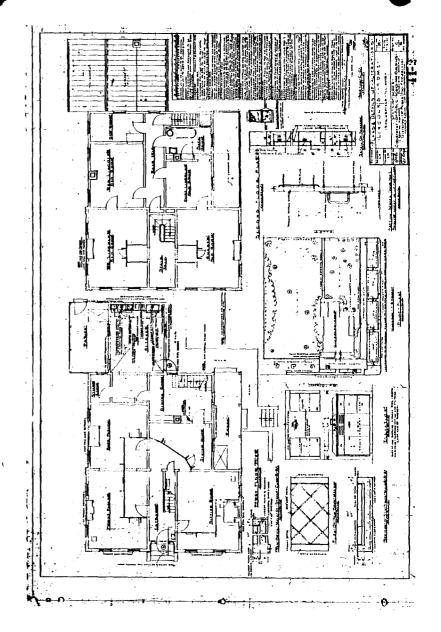


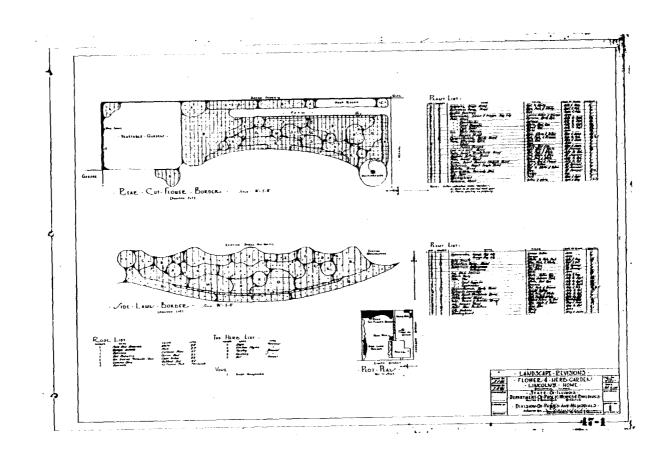


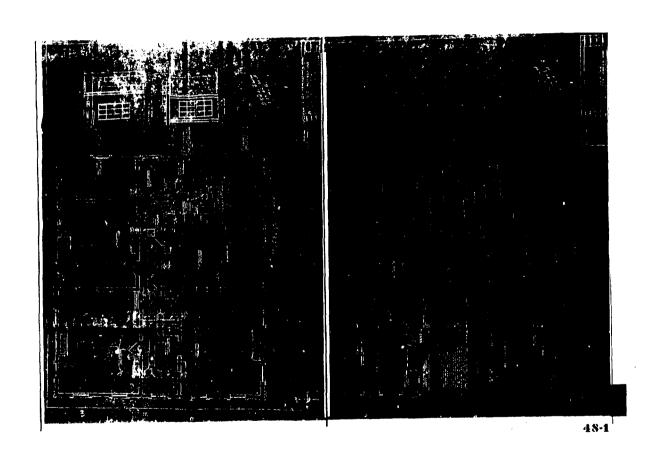


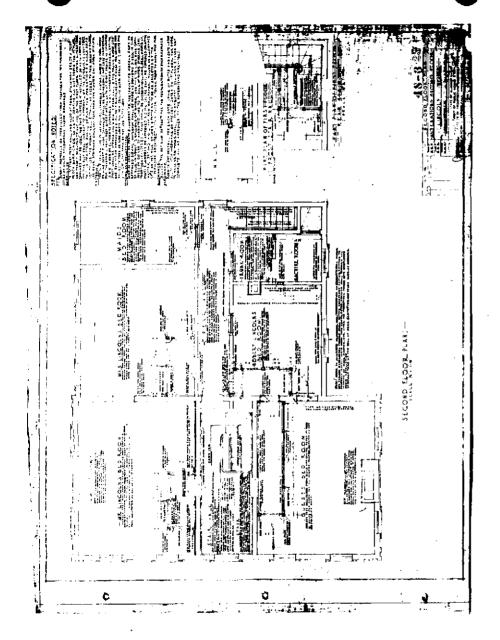


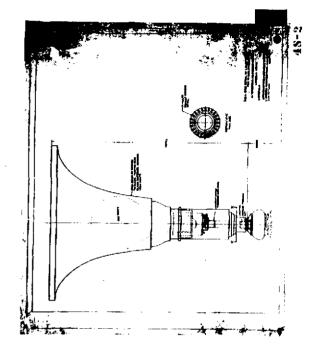


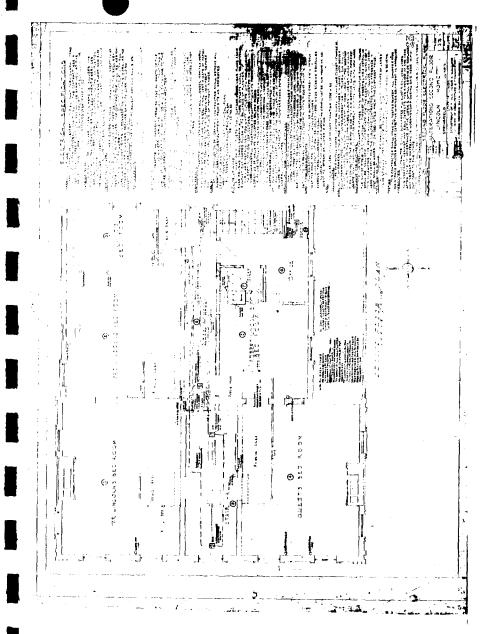


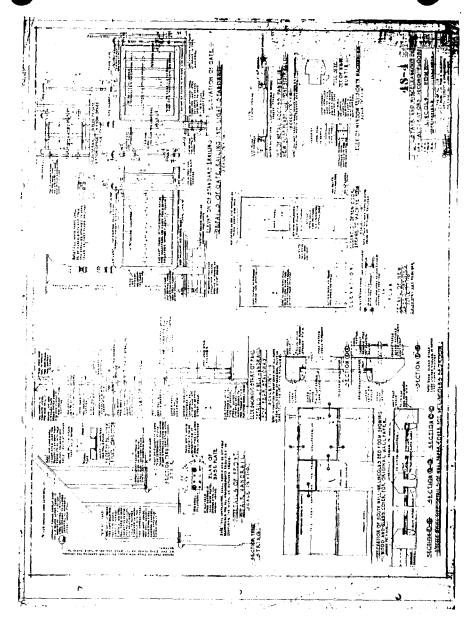


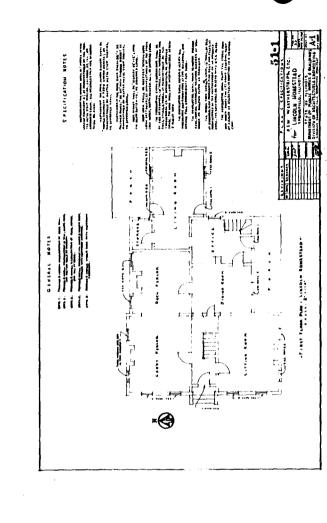












FUNERAL BADGE WORN BY FIRST LAW PARTNER AT SERVICES IN SPRINGFIELD

SHAVING MIRROR USED BY LINCOLN

ror used in home of mary todi vs. ninian edivards where mary t raham lincoln were married of

MARY TODD LINCOLN WIFE OF ABRAHAM LINCOLN 1818-1882

CLOCK USED IN ABRAHAM LINCOLN'S ROOM - AT THE BUTLER HOME BEFORE LINCOLN WAS MARNIED

CUPBOARD USED BY ABRAHAM LINCOLN IN THE LAW OFFICE OF LINCOLN & HERNDON

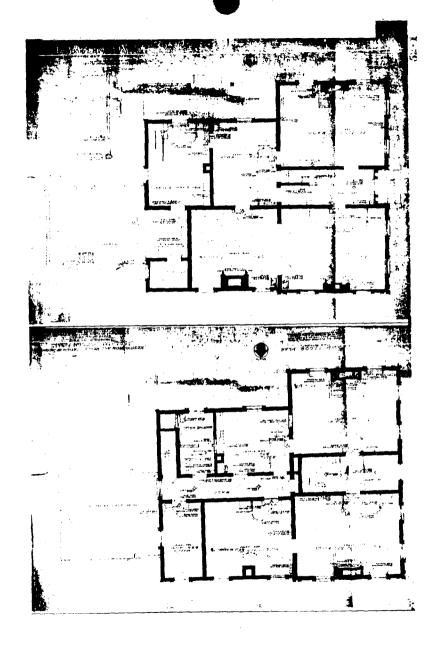
A PIECE OF THE TABLECLOTH USED AT THE WEDDING BREAKPAST OF ABRAHAM LINCOLN & MARY TODO, 1842

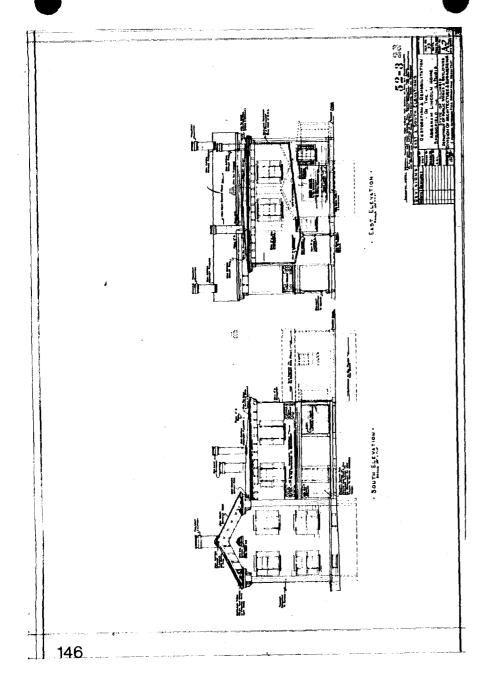
CHEST OF DRAWERS USED BY MRS. LINCOLN

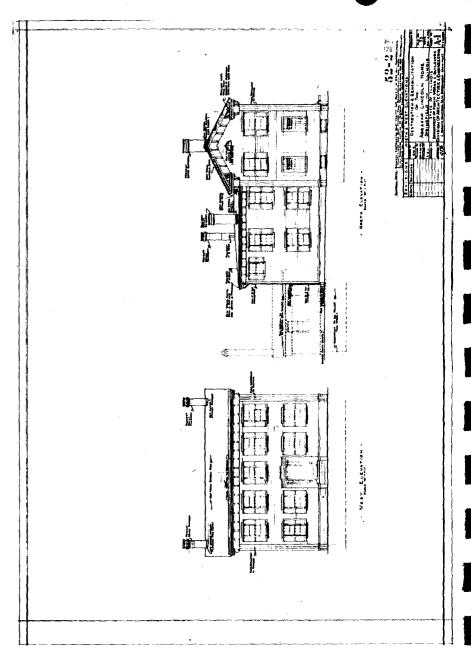
A CAMPAIGN PARADE IN FRONT OF ABRAHAM LINCOLN'S HOME IN 1860

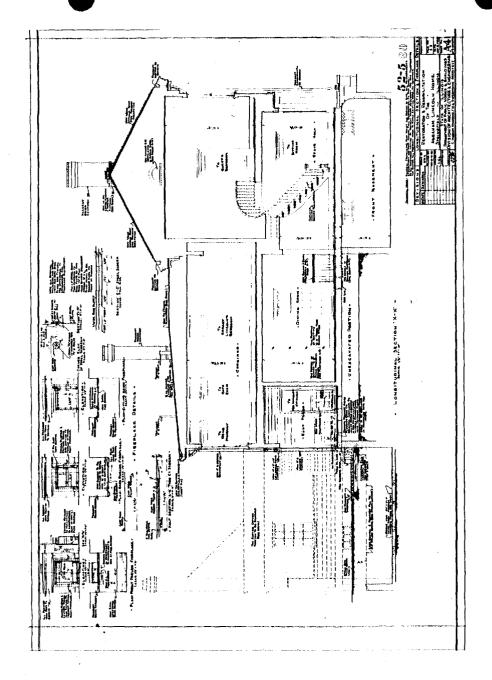
ROBERT TODD LINCOLN OLDEST SON OF A LINCOLN 1945 -1926

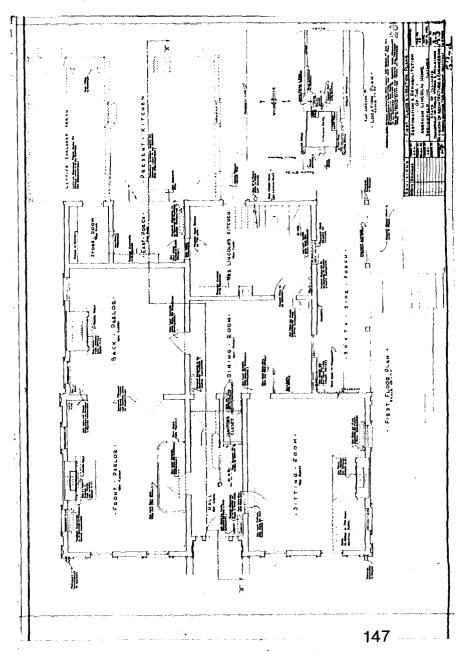
SARAH BUSH LINCOLN STEP MOTHER OF LINCOLN DIED-1869

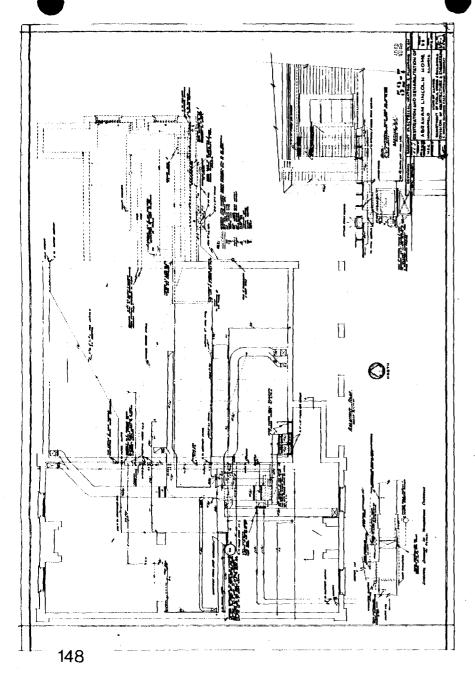


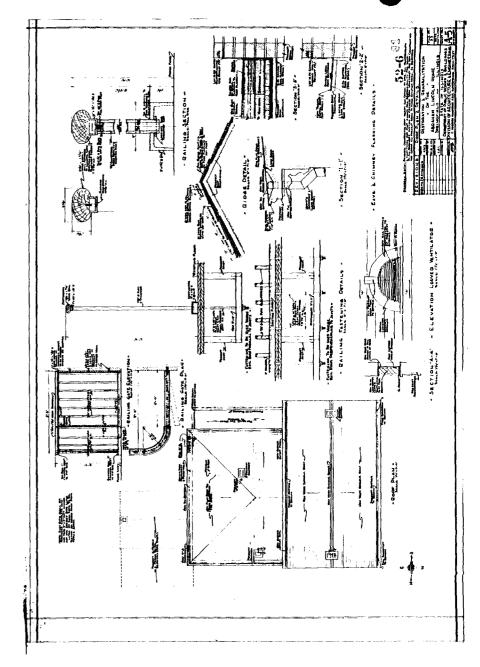


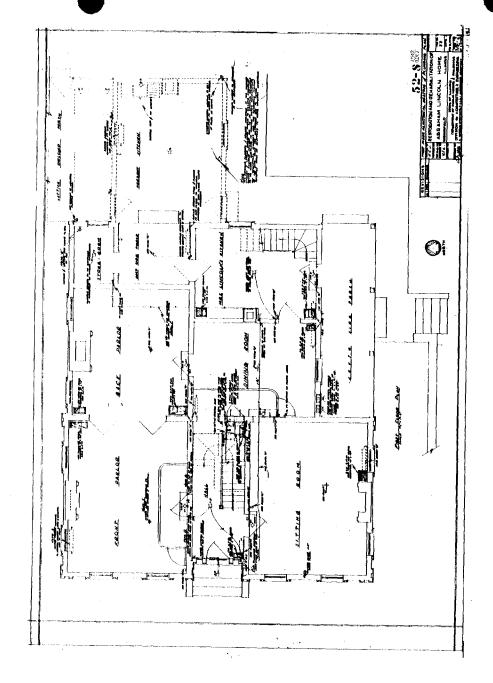


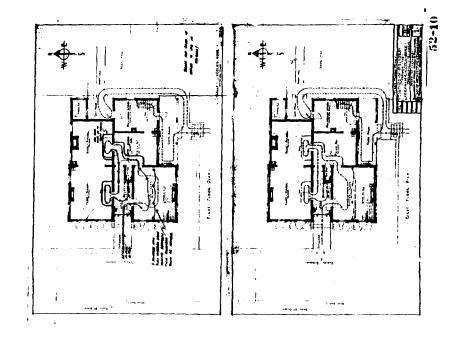


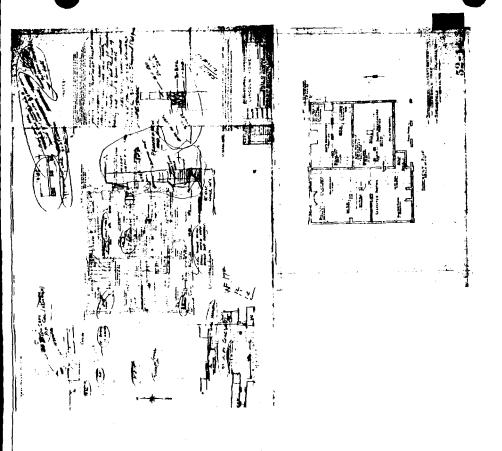


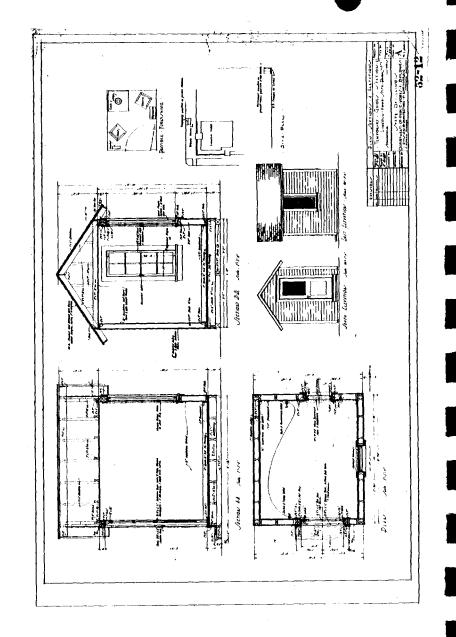


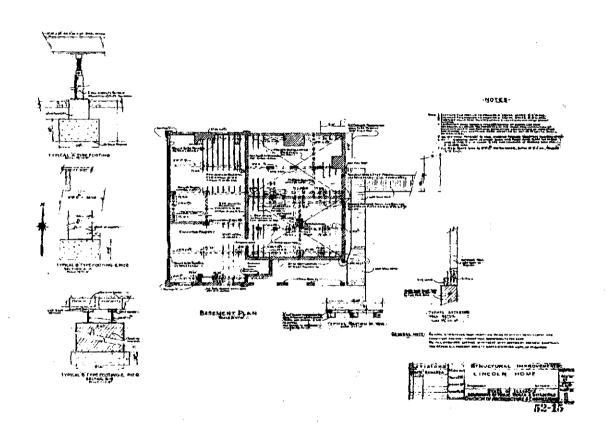


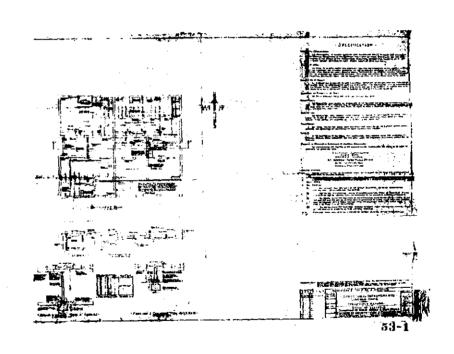


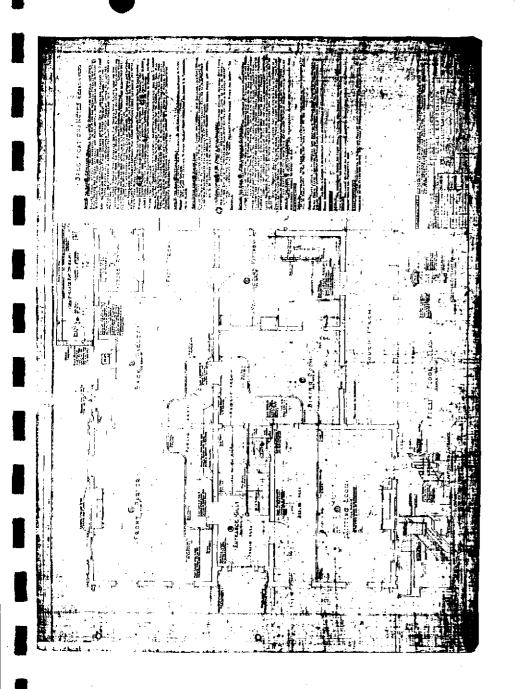


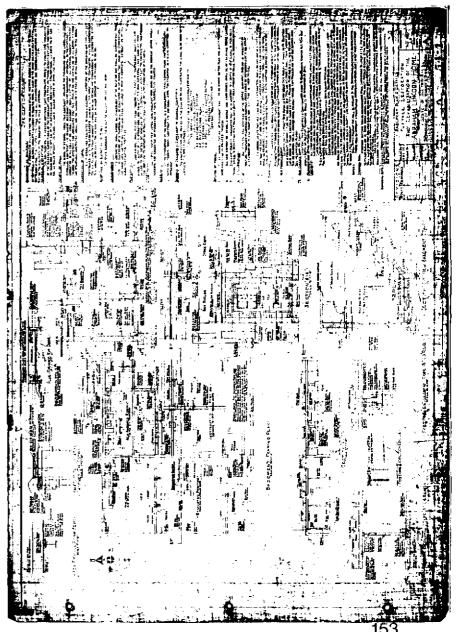


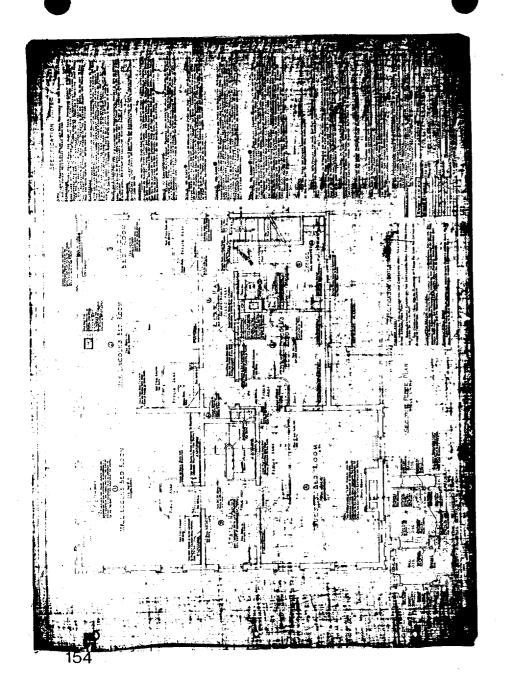


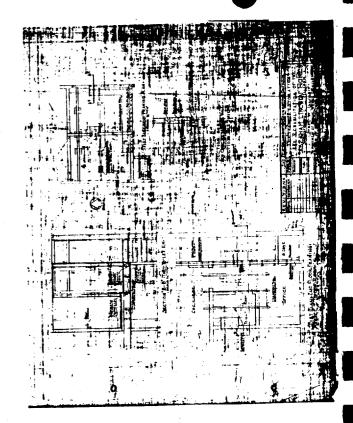


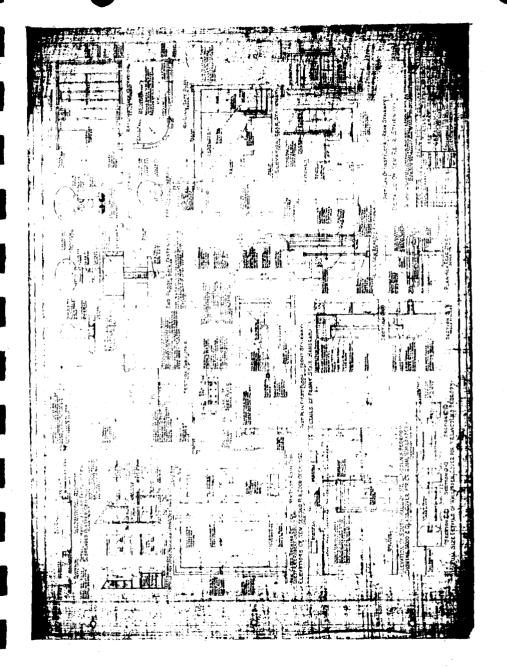


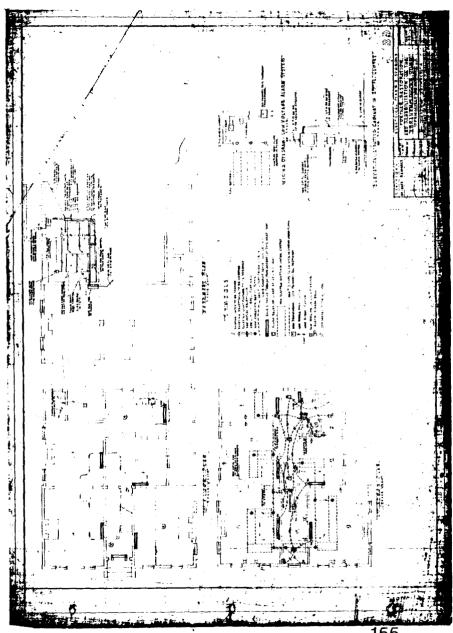




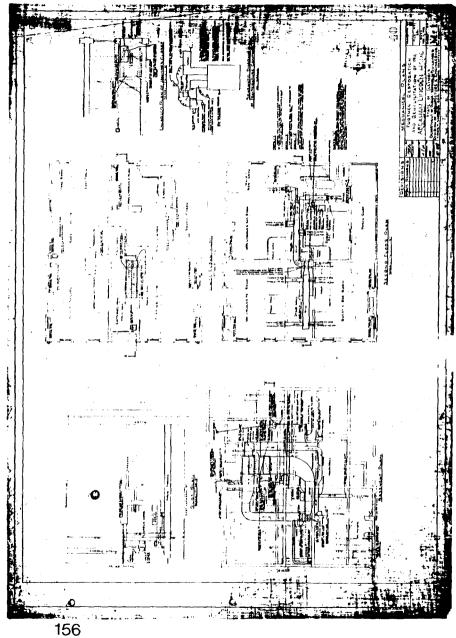


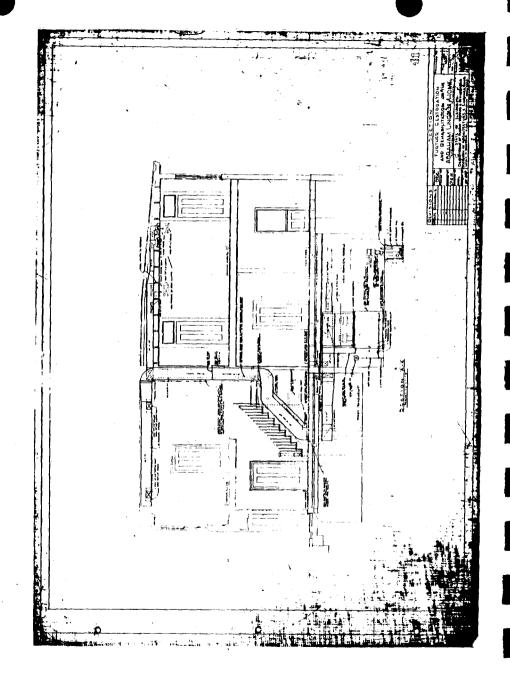


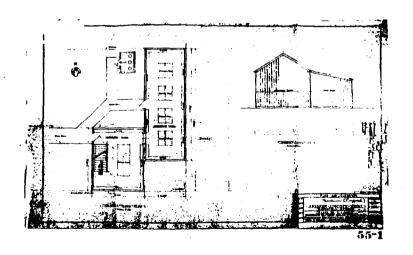


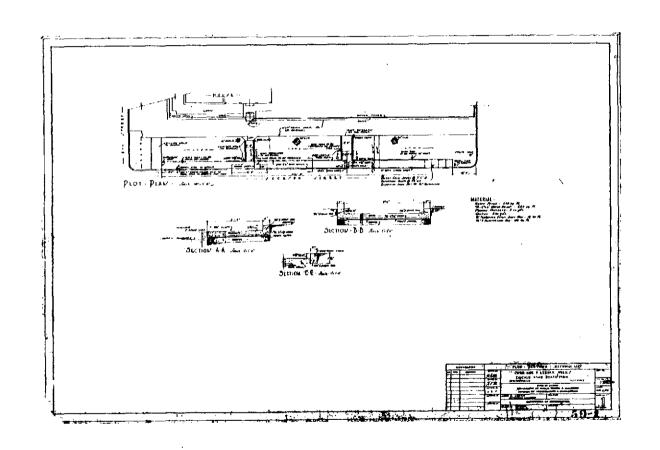


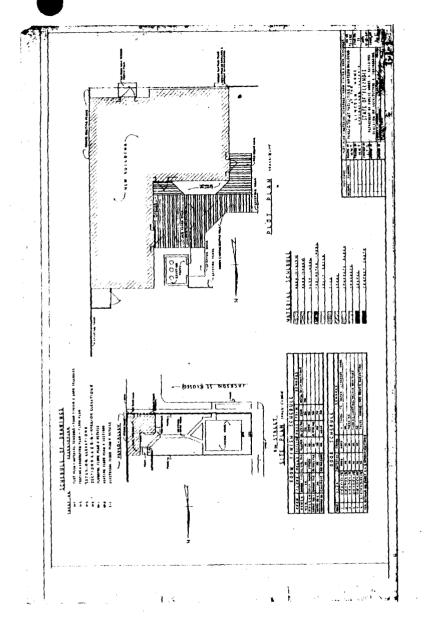
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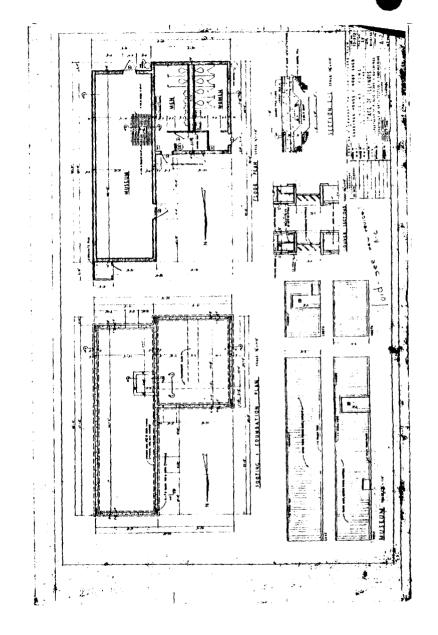


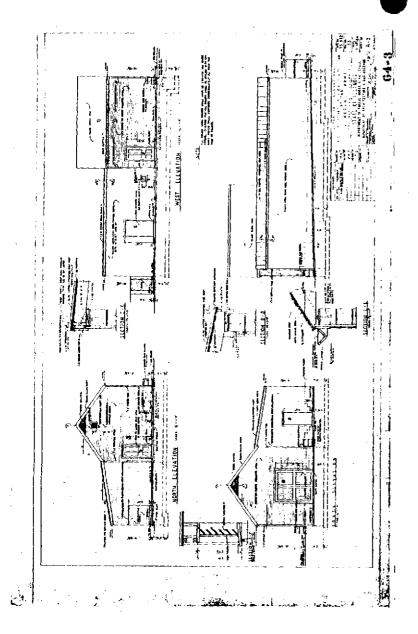


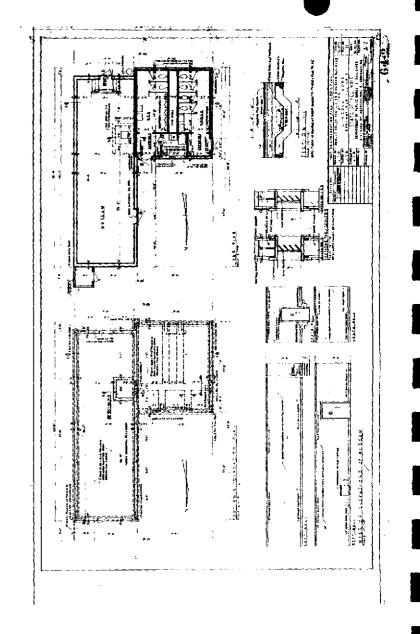


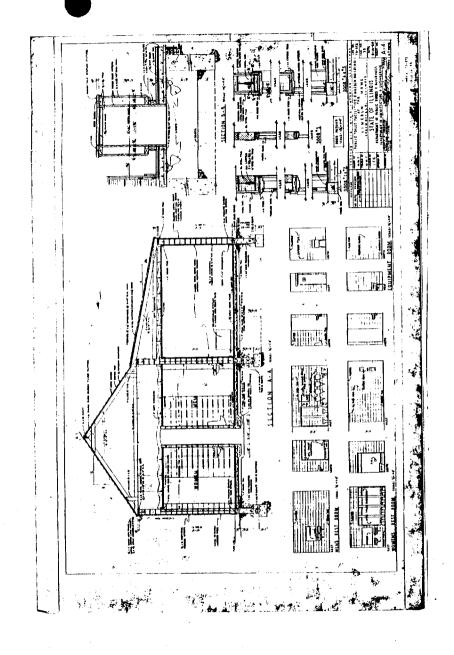




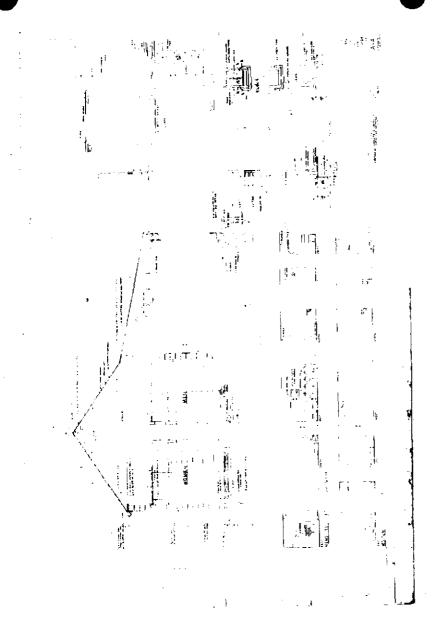


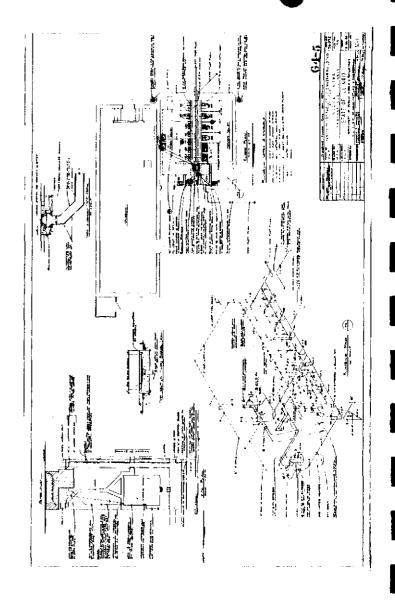


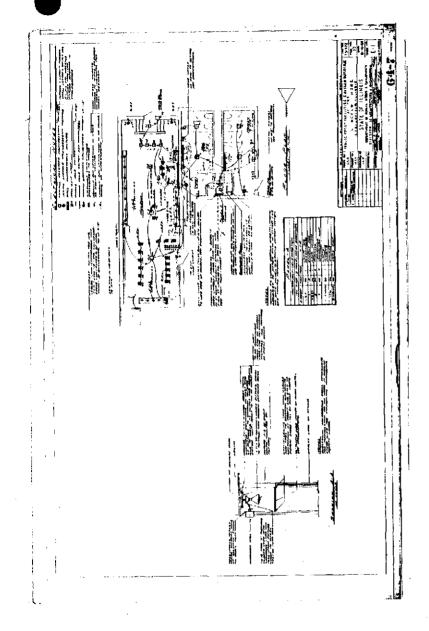


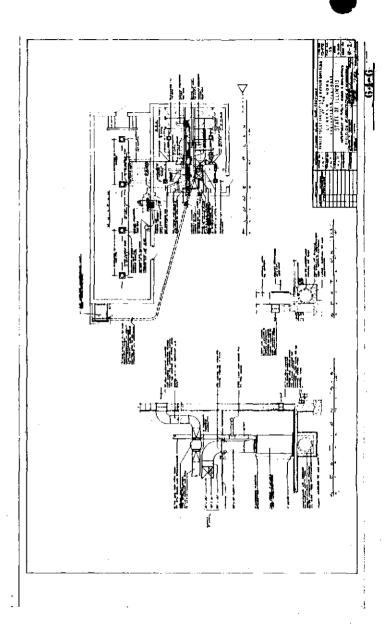


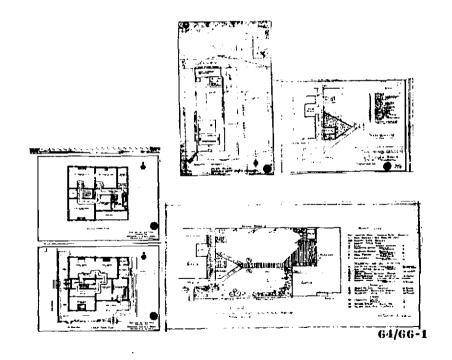


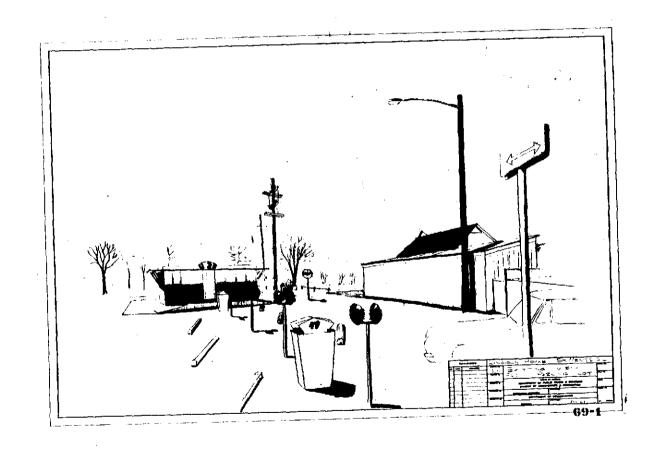


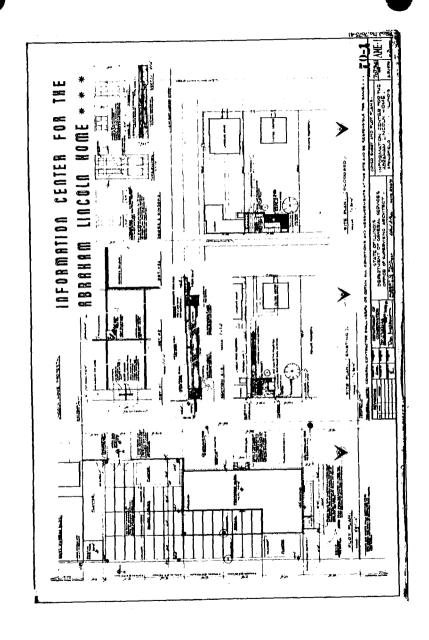


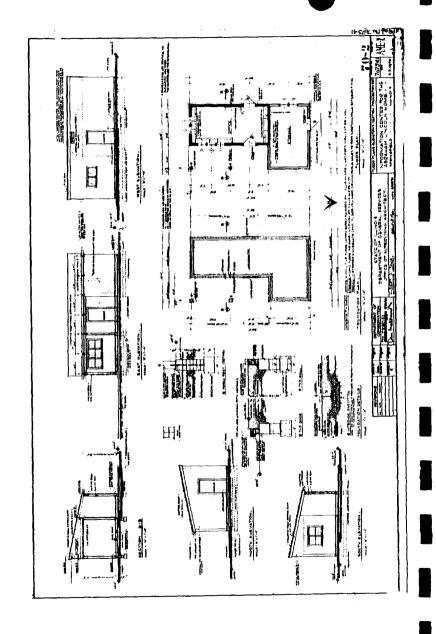


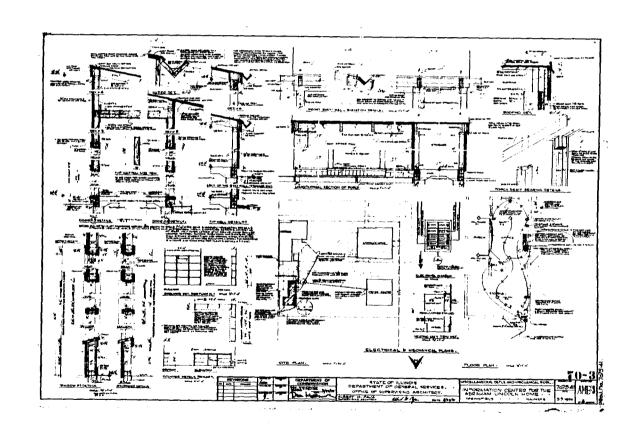


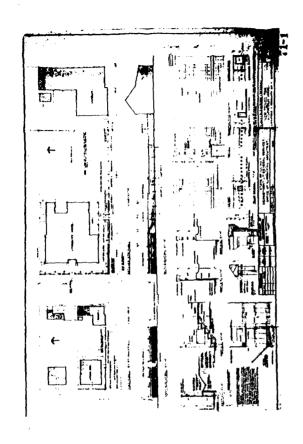


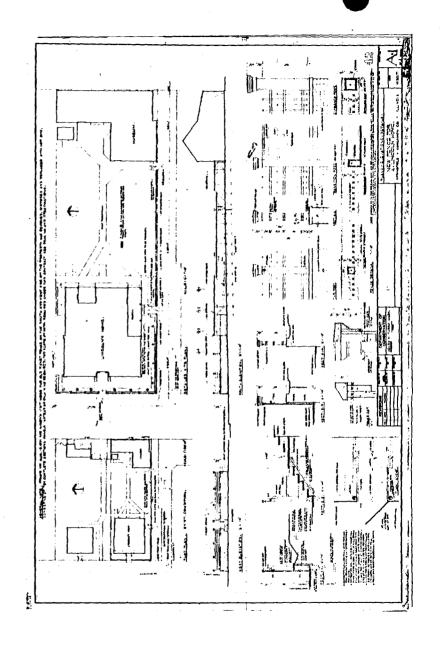












B. Physical Investigation

Photography, field measurement, fabric removal, X-ray analysis, paint/color analysis, observation and other research consist of the physical investigation of Lincoln Home begun in August of 1978.

The Lincoln Home has been well preserved, relative to other structures of the same age, due to its historical significance as having been the only house owned by President Abraham Lincoln. Even though the Lincoln Home is, for the most part, historically correct, physical investigation is required to understand the existing conditions in order to accurately restore and preserve the structure.

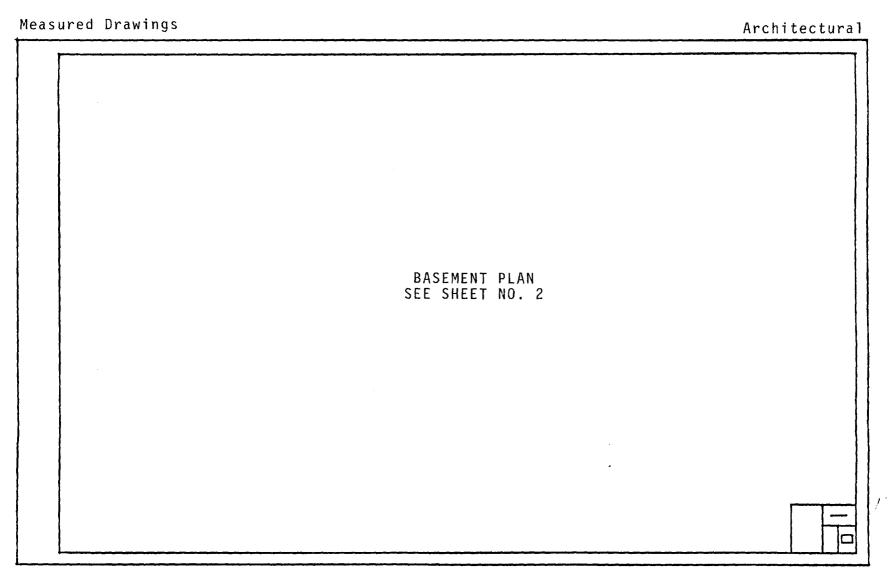
1. Measured Drawings

Detailed evaluation of the "As-Is" conditions of Lincoln Home by Ferry and Henderson Architects, Inc. and Ralph Hahn & Associates, Inc. Consulting and Design Engineers, Inc. produced the following drawings. (All original drawings have been photoreduced 28.25%).

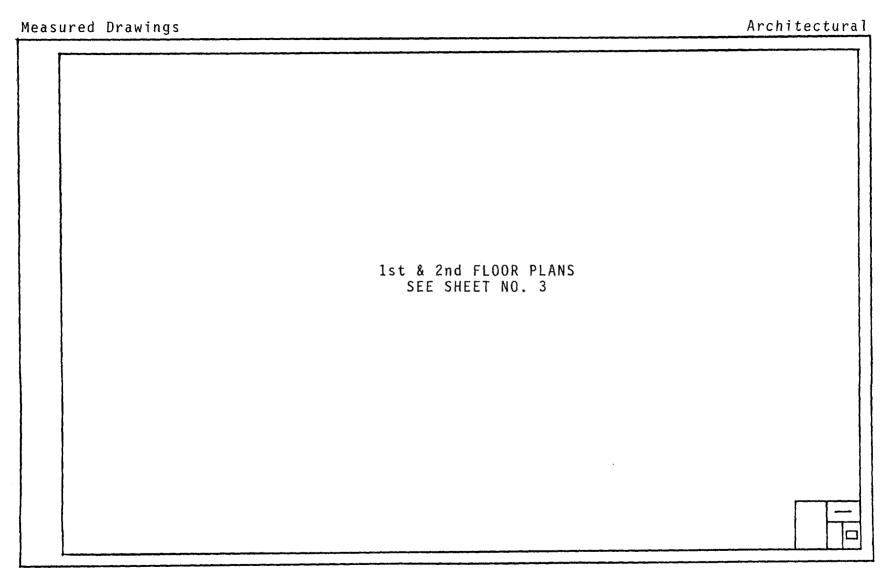
		<u>Architectural</u>			
Sheet No.	1 2 3 4 5 6 7 8 9	Cover Sheet Basement Plan 1st & 2nd Floor Plan Attic & Roof Plan Elevations and Details Elevations Sections and Interior Elevations Sections and Interior Elevations Details Details	p. p. p. p. p. p. p. p.	172 173 174 175 176 177 178 179 180 181	
		Structural			
Sheet No.	11 12 13 14 15	1st Floor Framing and Details 2nd Floor Framing Attic & Roof Framing 1st Floor Stud Framing Elevations 2nd Floor Stud Framing Elevations	р. р. р.	182 183 184 185 186	
		<u>Mechanical</u>			
Sheet No.	16 17	Basement Plan 1st & 2nd Floor Plans		187 188	
		Electrical			
Sheet No.	18 19	Basement Plan 1st & 2nd Floor Plans		189 190	171

Measured Drawings		Architectural
	COVER SHEET SEE SHEET NO. 1	

Cover Sheet



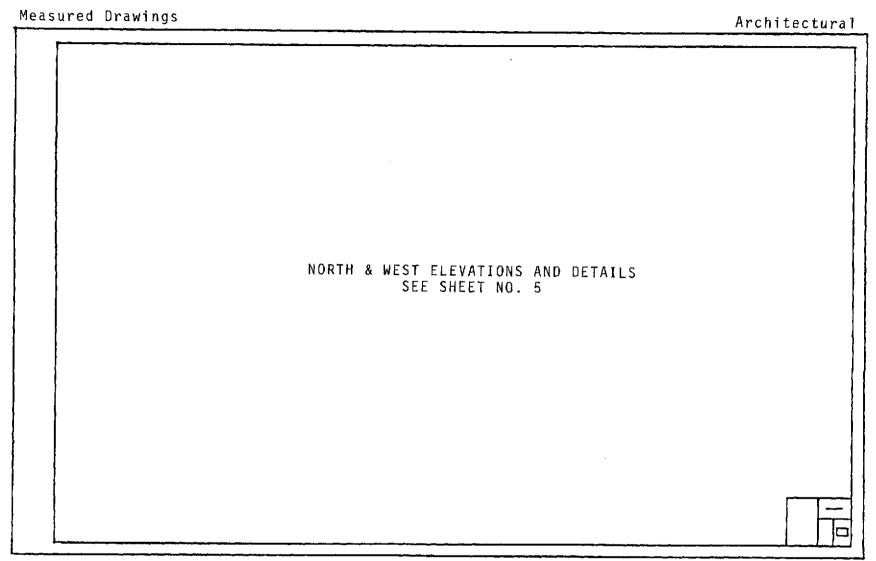
Basement Plan



1st & 2nd Floor Plans

Measured	Drawings	Architectural
	ATTIC & ROOF PLANS SEE SHEET NO. 4	

Attic & Roof Plans

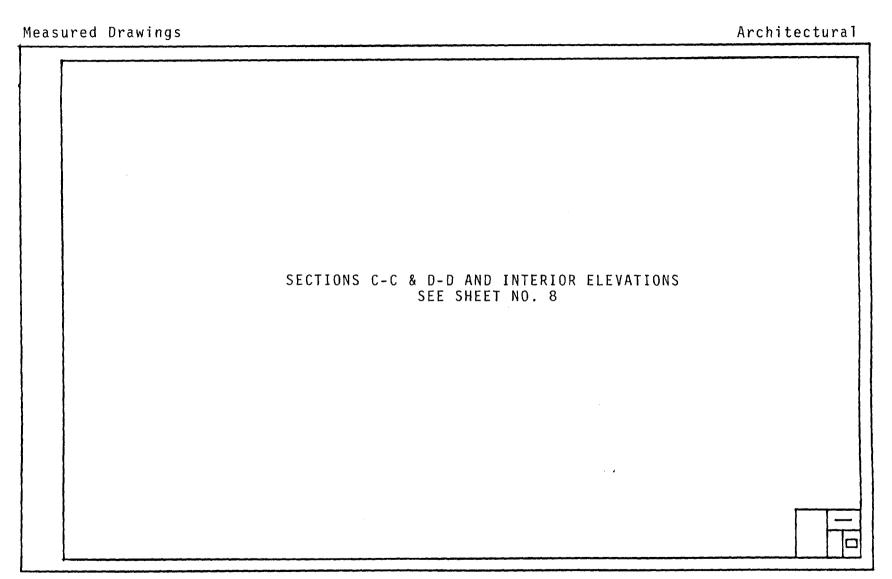


North & West Elevations and Details

SOUTH & EAST ELEVATIONS SEE SHEET NO. 6	Measi	ured Drawings		Architectural
			SOUTH & EAST ELEVATIONS	

South & East Elevations

Sections A-A & B-B and Interior Elevations



Sections C-C & D-D and Interior Elevations

DETAILS SEE SHEET NO. 9	•	Measured Drawings		Architectural
			DETAILS SEE SHEET NO. 9	

<u>Details</u>

1st Floor Framing and Details

2nd FLOOR FRAMING SEE SHEET No. 12

2nd Floor Framing

Measured	Drawings	tructural
	ATTIC & ROOF FRAMING SEE SHEET NO. 13	

Attic & Roof Framing

1st Floor Stud Framing Elevations

2nd Floor Stud Framing Elevations

Basement Plan

1st & 2nd Floor Plan

Measured	d Drawings E	lectrical
	BASEMENT PLAN SEE SHEET NO. 18	

Basement Plan

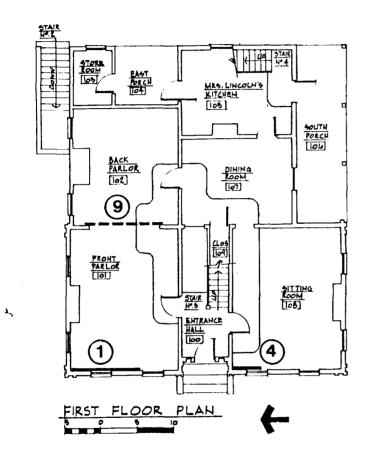
1st & 2nd Floor Plans

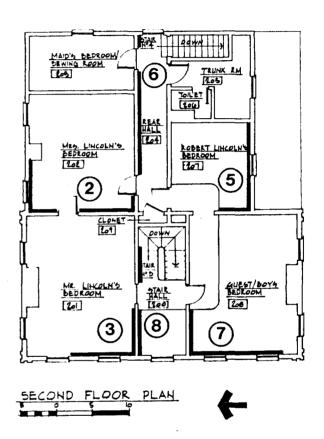
2. Fabric Investigation

The removal of fabric in the Lincoln Home was necessary to investigate the existing conditions without damage to the structure. Several areas were selected for baseboard and trim removal, documentation by measurements and photographs, replacement and touch-up refinishing to match existing conditions.

The Fabric Investigation photographs were taken by Robert Swenson.

LOCATIONS OF FABRIC INVESTIGATION

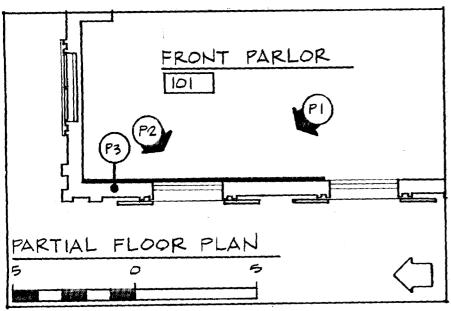


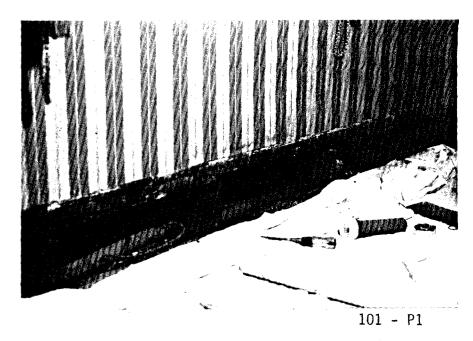


Refer to following page for index of locations of fabric investigation

Index

Location No.	2 3 4 5	Front Parlor, 101 Mrs. Lincoln's Bedroom, 202 Mr. Lincoln's Bedroom, 201 Sitting Room, 108 Robert Lincoln's Bedroom, 207	р. р. р.	194-195 196-203 204-209 210-211 212-219
	6	Rear Hall, 204		220-223
	7	Guest/Boys Bedroom, 208		224-229
	8	Stair Hall, 200		230-233
	9	Back Parlor, 102	p.	234-237





NOTE:

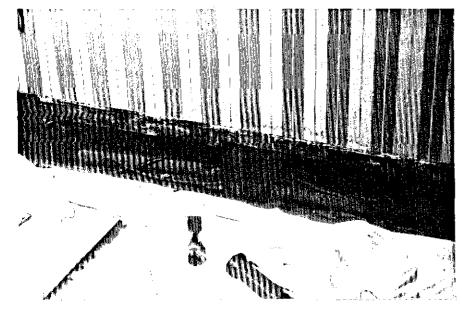
1) wood blocks (shims) on stud face for furring baseboard

2) window weight laying on sill plate (retained by L.H.N.H.S. staff)

3) studs bear directly on sill plate - do not appear to be morticed and tenoned into sill

4) exterior sheathing is subsheathing ("boxing")
+ 3/4 inch thick boards

5) no nogging in voids.







101 - P3

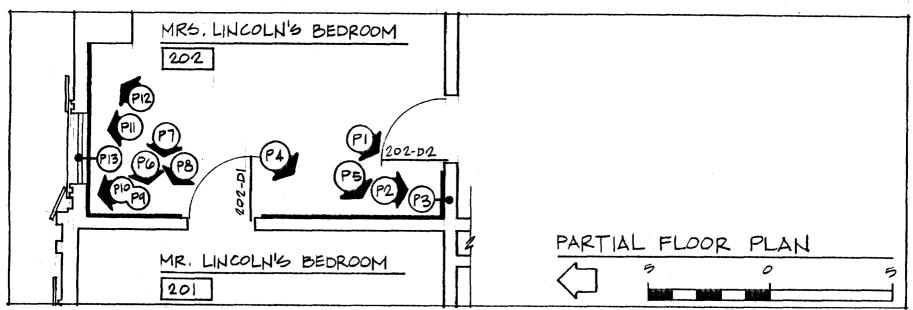
NOTE:

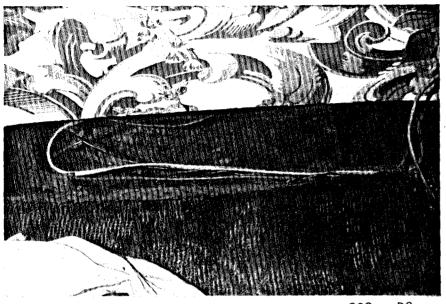
(By using a mirror, viewing up wall between studs)

1) vertically sawn studs
2) stains due to water damage
3) end of Second Floor joist extending into wall cavity (typical balloon framing detail)



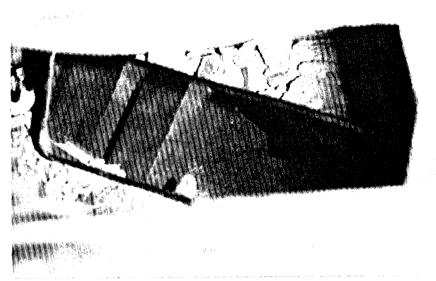
202 - P1





202 - P2

attic joists



202 - P3

NOTE:

1) joists approximately 3" from west wall

2) joists spanning north/south in Mrs. Lincoln's Bedroom are single (instead of double); see shadow line

3) newer joists were added to original joists across to south, Robert's Bedroom, 207

4) small 2 x 4 ledges attached to lower west side of joists to north through Mrs. Lincoln's Bedroom

NOTE: By using a mirror, this allows a view (between the joist looking north) of the original 2 x 6 ceiling/







202 - P5

1) wiring for alarm system

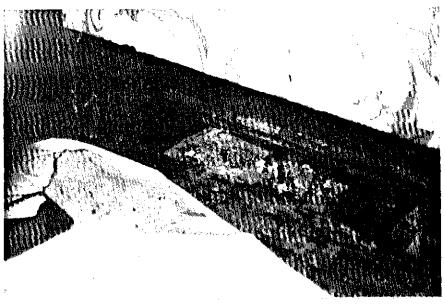
2) joists in Mr. Lincoln's Bedroom spanning east/west

3) east/west joists and studs bearing on beam over Doors 101-D1 at First Floor

4) larger of east/west joists appear original

5) joists added later are located next to each larger joist and in between the larger joist

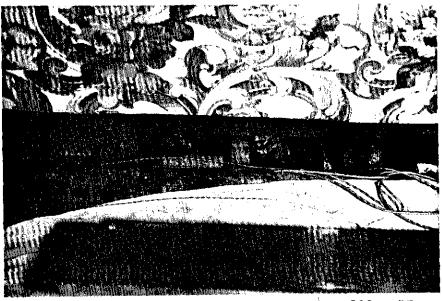
6) newer joists are nailed to older joists or bear on beam or blocking.



202 - P6



- subfloor from Mrs. Lincoln's Bedroom extends over void between studs (covered with plaster debris)
- 2) discontinuous 2 x 2 attached to side of stud at door frame
- 3) underside of wall plate + 24" above floor line (visible with mirror)



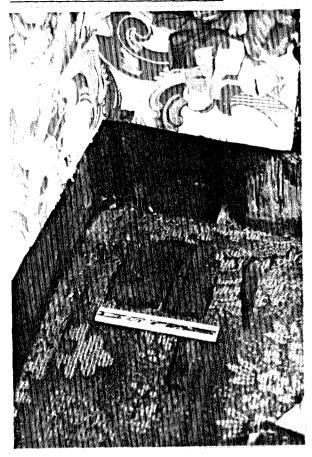
202 - P7

- 1) studs with original joists are "let" in on the south side typical
- 2) newer joists are on the right side typical3) newest joists in center between study bearing on
 - blocking on top of beam over Doors 101-D1



202 - P8

- stud notched for joist typical balloon frame detail
 new joist in center between studs
 stud turned sideways
 corner stud larger than typical ones and is not continuous



202 - P9

- 1) pieces of original siding or boxing removed from inside wall
- 2) decayed 4 x 4 next to window3) discontinuous stud



202 - P10



1) 4×4 stud along each side of window (same at south window of Robert's Bedroom, 207)

2) clapboards directly on studs with no "boxing"
3) strip below window sill apron is paper painted brown
4) air infiltration through wall very noticeable

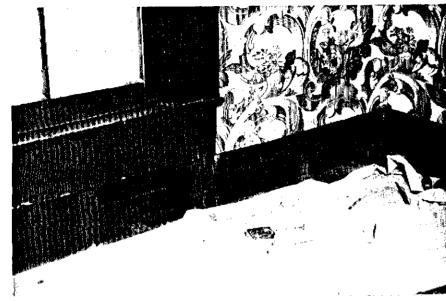


202 - P11

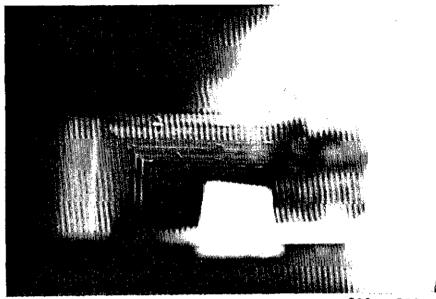
NOTE:

1) newer joists next to stud

2) tip end of lower 2 x 6 joists with notched ends visible - bearing on wall plate



202 - P12



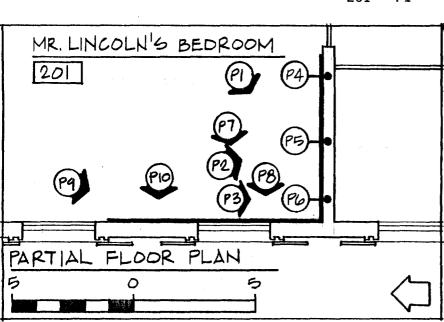
202 - P13

(By using a mirror, looking back south between floor

- joists)
 1) bright face (spot) in photograph is the sloped cut on 2 x 6 former attic joist
 2) lines on joist to left in photo seem to be dusting through the floor









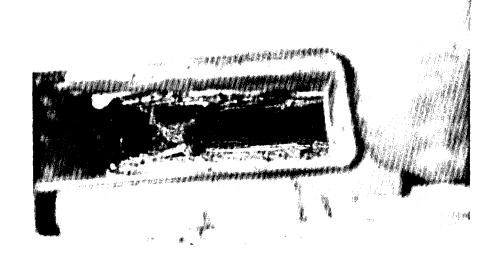
201 - P2

- 1) subfloor continuous through wall (between studs) from Mr. Lincoln's Bedroom to Stair Hall
- 2) studs bear on subfloor
- 3) plaster debris was found in between studs (still visible in two stud spaces) up 2 to 3 feet above floor



201 - P3

NOTE:
1) Closeup of corner

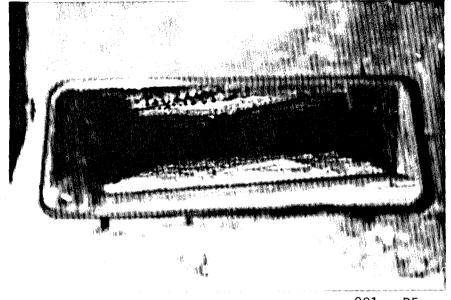


201 - P4

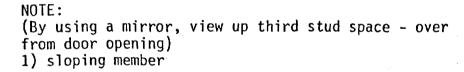
NOTE:

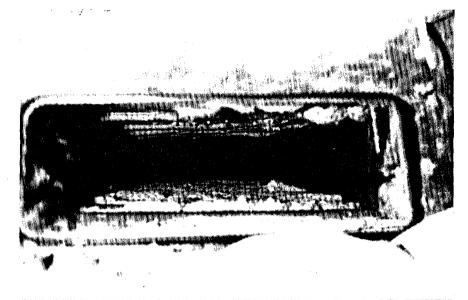
(By using a mirror, view up stud space next to door opening)
1) sloping member which represents line of original

roof



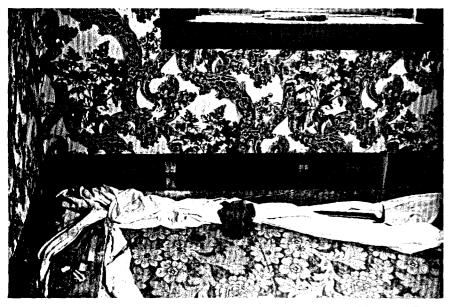
201 - P5





201 - P6

NOTE:
(By using a mirror, view up stud space at southwest corner)
1) sloping member



201 - P7

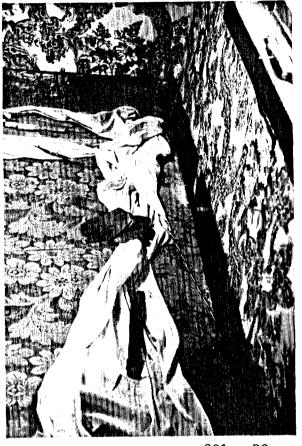


- 1) large studs with furring strip backing for baseboards
- 2) "boxing" subsheathing visible3) no brick "nogging"
- 4) continuous top plate (visible with mirror) at ± 24" above floor line which is approximately The window apron height



201 - P8

1) closeup of studs and joists



201 - P9

 floor joists in Mr. Lincoln's Bedroom visible
 original joists let into studs - typical balloon framing detail

3) Additional joists nailed to original joists or bearing on blocking added between the studs



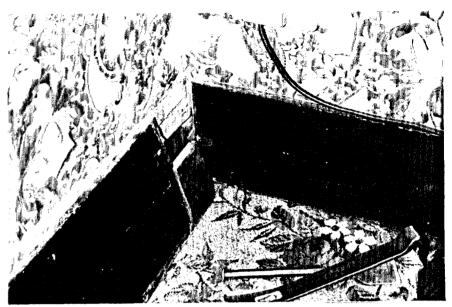
201 - P10

NOTE: 1) Closeup of studs and joists

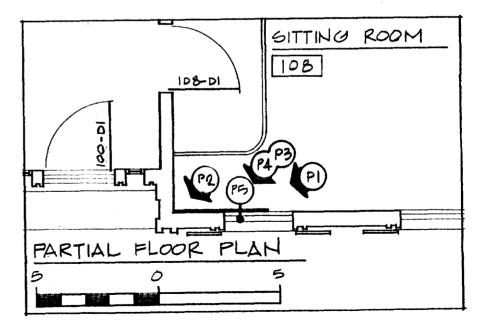


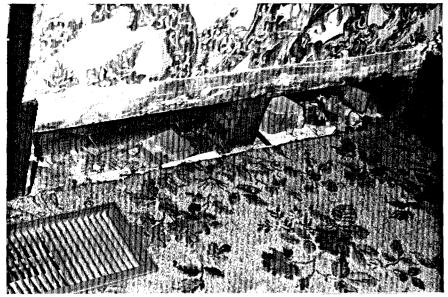
108 - P1

- 1) brick "nogging" starting + 8" above floor on up to second floor
- 2) the bottom 2 or 3 courses may have been removed when wood sill plates were replaced in the 1950's (no record of brick "nogging" at that time)
- 3) baseboard extension into south wall was cut off during Fabric Removal in order to reinstall baseboard (LHNHS staff has walnut piece)



108 - P2



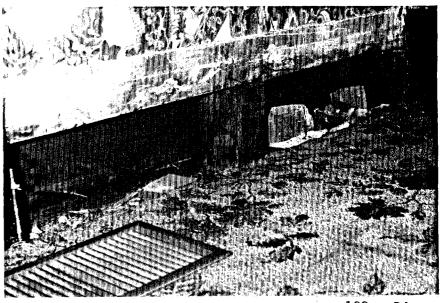


108 - P3

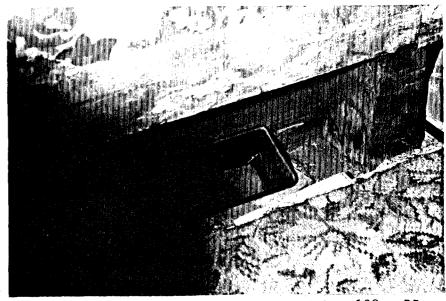


1) larger size stud visible

(By using a mirror, view up stud space)
2) brick "nogging" visible + 8" above sill plate

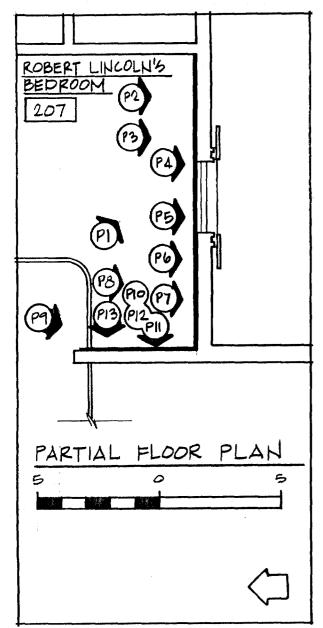


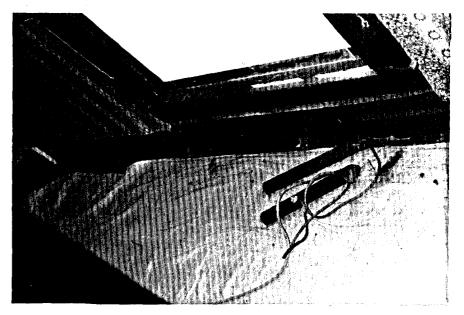
108 - P4



108 - P5

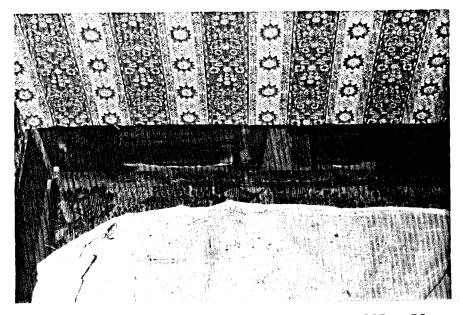






207 - P1

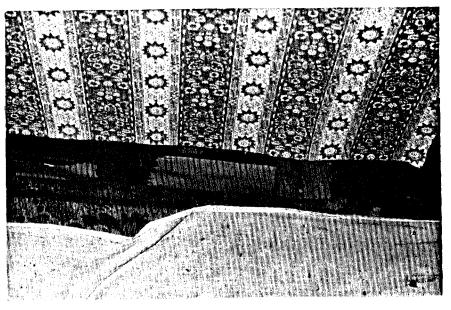
- 1) floor joists run north/south and bear on wall plate
- 2) window weights not in use different style from ones found in Front Parlor on First Floor (LHNHS staff has the weights)



207 - P2

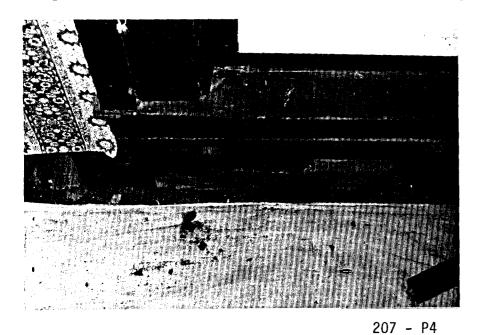


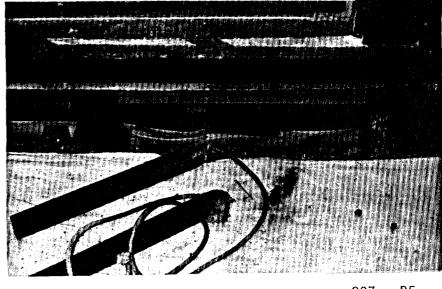
1) additional joists visible
2) larger stud (4 x 6) at corner



207 - P3

NOTE:
1) additional joists visible
2) studs and joists bear on wall plate

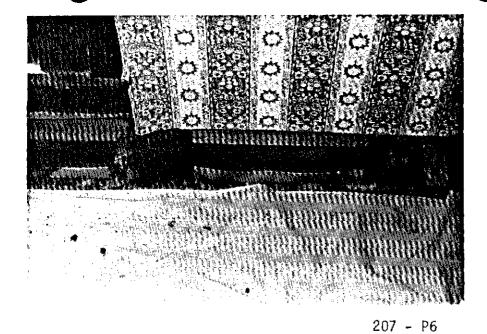


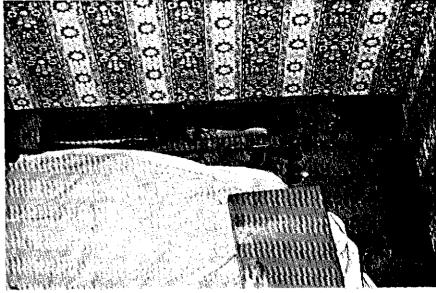


207 - P5

NOTE:

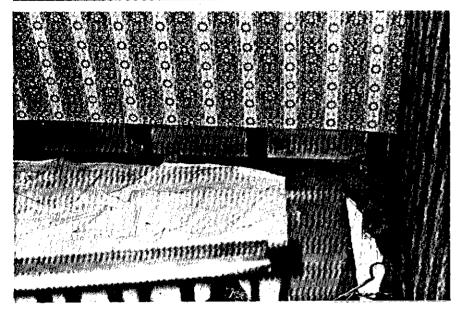
vertical saw marks on studs
 4 x 4 stud next to window





207 - P7

- 1) 4 x 4 stud next to window
- 2) additional joists visible next to older ones3) paper backing on inside face of clapboards



207 - P8

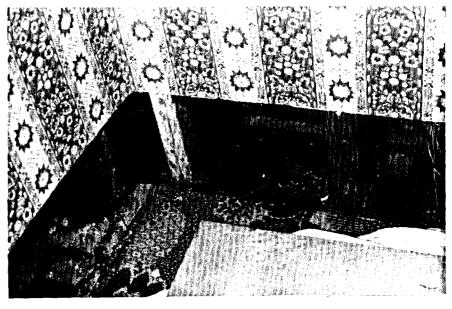
newer clapboard siding (light color of inside face)



207 - P9

- 1) revision of studs (three) when door opening between Robert's Bedroom and Guest/Boys Bedroom was moved north
- 2) all studs are not continuous
- 3) one stud turned sideways (lines of plaster lath and plaster visible)

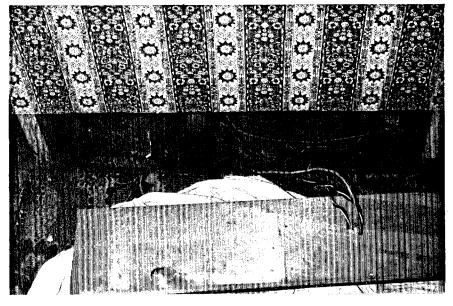


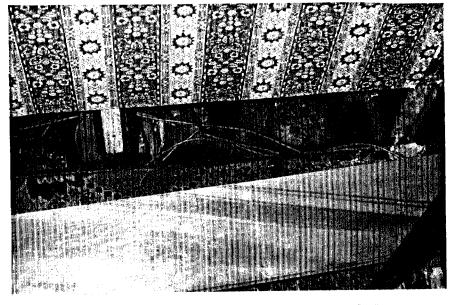


207 - P11

207 - P10

- NOTE:
 1) in the void between studs is a notched 2 x 8 turned sideways
 2) discontinuity of studs

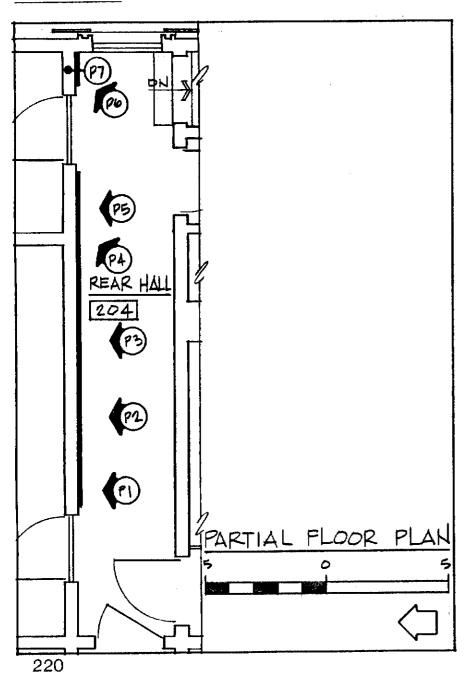


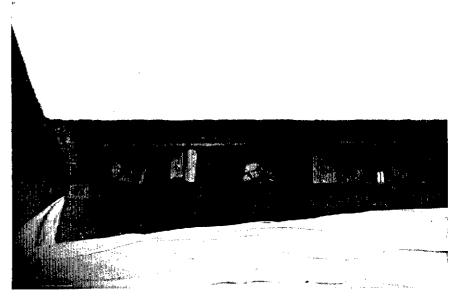


207 - P13

207 - P12

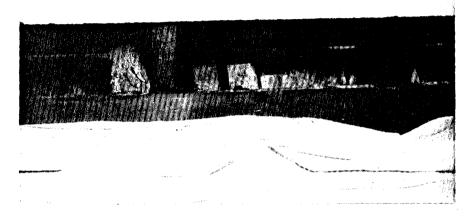
 joist bearing from Guest/Boys Bedroom not well defined - exact condition undetermined





204 - P1

NOTE:
1) vertically sawn baseboard

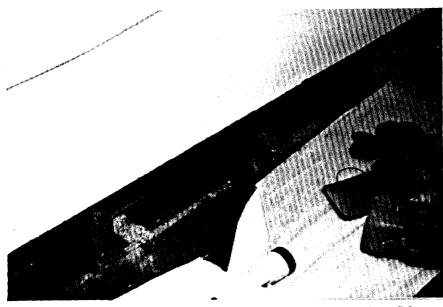


204 - P2



204 - P3

- newer joists "let" into studs which bear on wall plate
 older 2 x 6 ceiling joists are visible to north



204 - P4



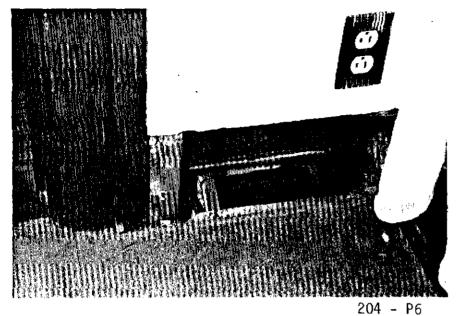
- 1) two large studs are at intersection of this wall and the north/south wall between Mrs. Lincoln's Bedroom and Maid's Bedroom/Sewing Room

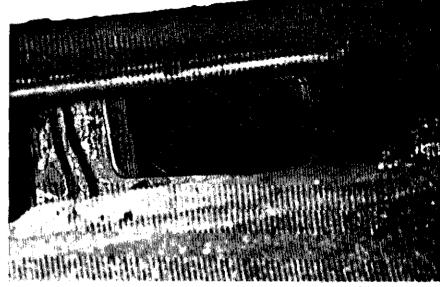
 2) new 2 x 9 and old 2 x 6 joists visible to north

 3) 2 x 9 joists only visible to south



204 - P5

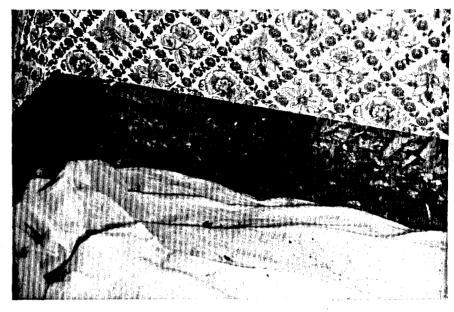




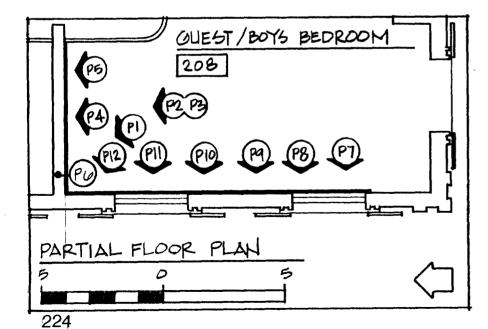
204 - P7

NOTE:

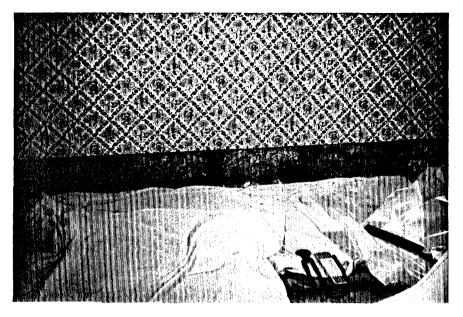
(East of Door 203-D1, using a mirror, viewing up stud space)
1) stud notched for joist
2) curved line in mirror is a crack in the mirror



208 - P1



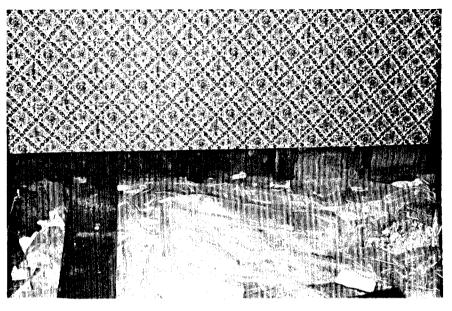
1) Closeup of northwest corner showing plaster debris



208 - P2



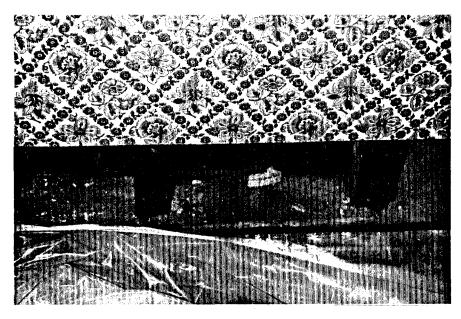
 space between studs filled with plaster debris similar to south wall of Mr. Lincoln's Bedroom.



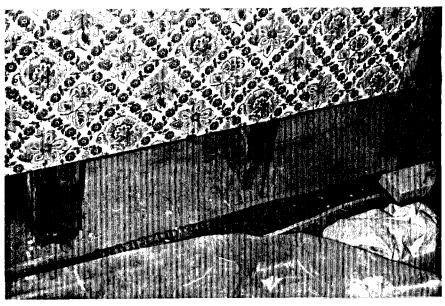
208 - P3

NOTE:

1) space between studs cleared of debris



208 - P4

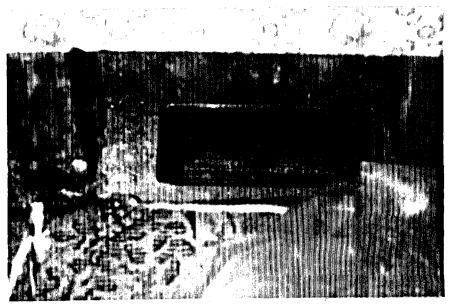


208 - P5

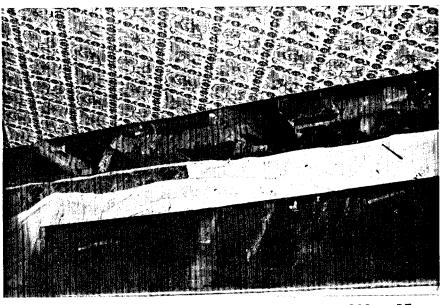
- 1) subfloor continuous under north wall similar to southwest wall of Mr. Lincoln's Bedroom
- 2) studs bear on subfloor
- 3) space above entry door inset below
- 4) furring strips on studs
- 5) plaster debris cleared from between studs debris was up 2 to 3 feet above floor similar to southwest wall of Mr. Lincoln's Bedroom

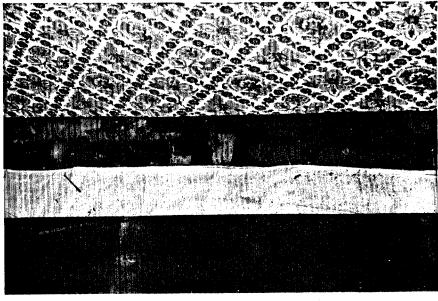
(By use of a mirror)

6) sloped member - similar to southwest wall of Mr. Lincoln's Bedroom



208 - P6

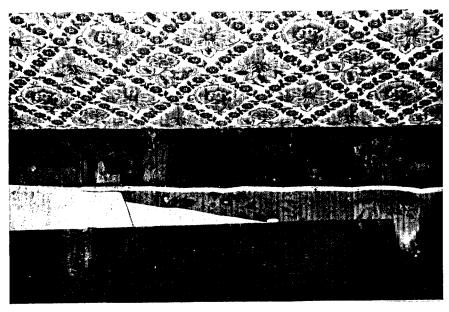




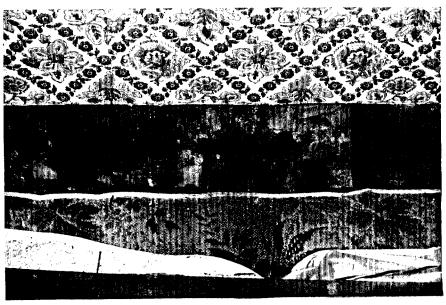
208 - P7

208 - P8

- 1) brick "nogging" between studs
- 2) bricks on edge, in smooth trowelled lime mortar and extend down to first floor
 3) additional joists next to original joists

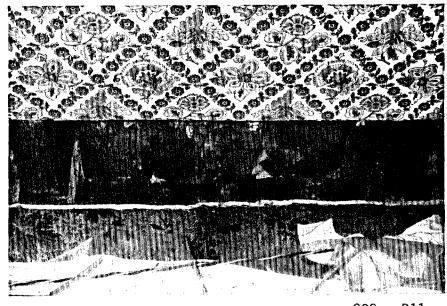


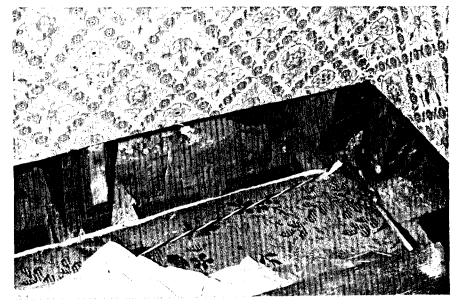
208 - P9



208 - P10

NOTE:
1) additional joists next to and in between original joists



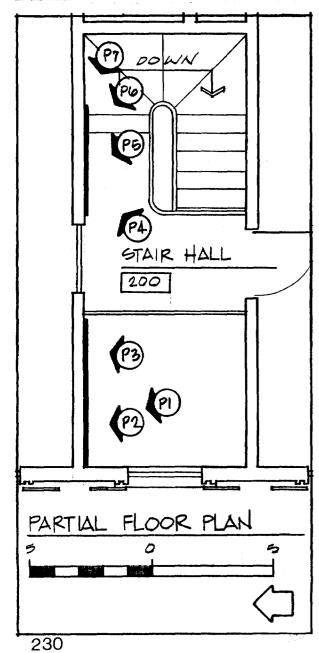


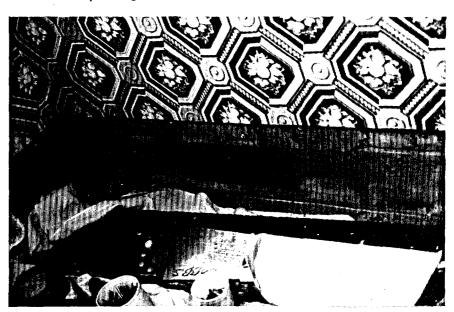
208 - P12

208 - P11

- NOTE:
 1) quality mortar joints on inside face of "nogging"
 2) joists "let" into side of studs

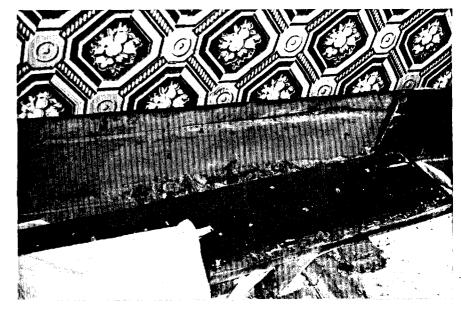






200 - P1

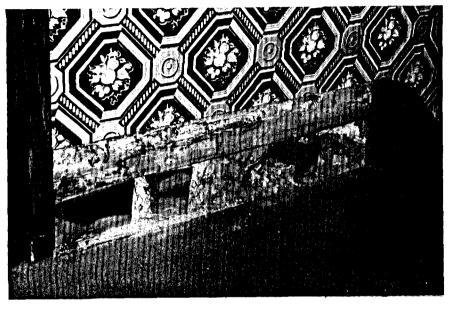


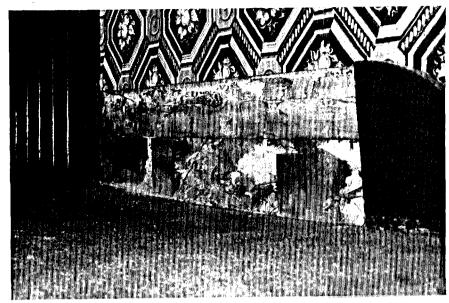


200 - P2

200 - P3

NOTE:
1) Sub-baseboard visible - only location this detail found (both sides of Stair Hall)

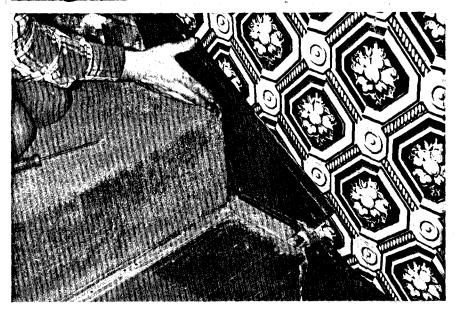




200 - P5

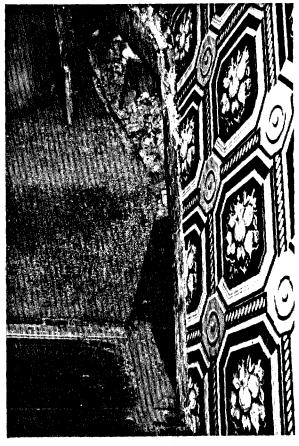
200 - P4

- debris in between studs similar to north wall of Guest/Boys Bedroom, west end
- 2) studs bear on subfloor
- 3) no sub-baseboard found
- 4) furring on studs

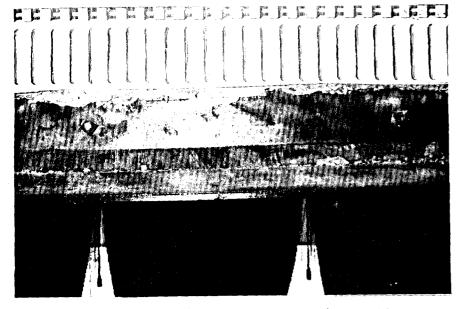


200 - P6

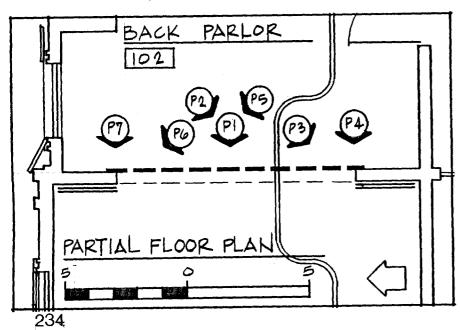
- riser face at top step is a two-piece member and extends into the wall (possibly nailed to stud)
- 2) baseboard bottom edge is dadoed into stair tread, finish flooring
- 3) barely visible down through hole is a diagonal member "let" into studs (unable to determine function) - possibly a member on which stair tread framing members could bear as stair curves down and around

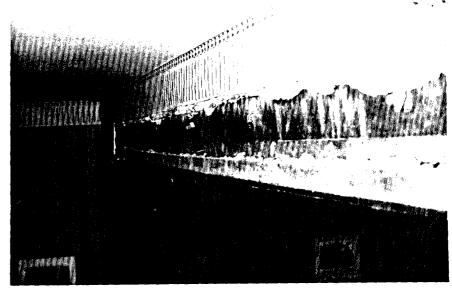


200 - P7



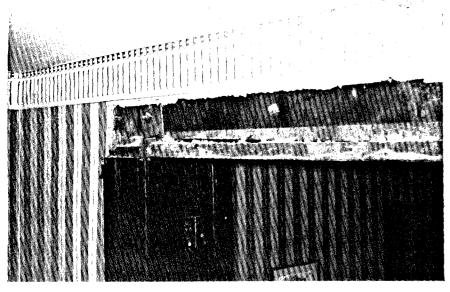




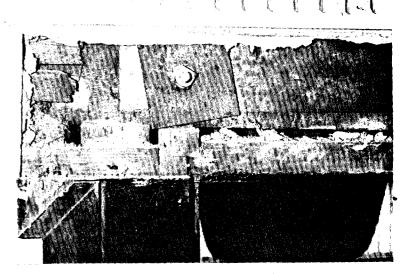


102 - P2

- 1) steel plates on each side of wood beam 2) bolts at \pm 1'- 7" o.c. hold the steel plates to the wood beam
- 3) steel plates taper to larger depth at center of beam

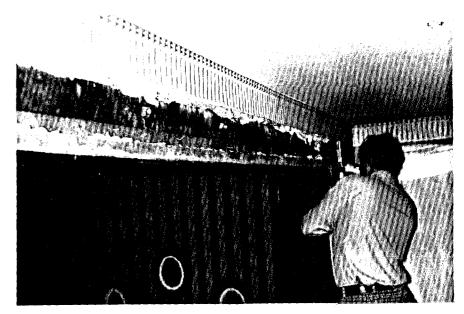




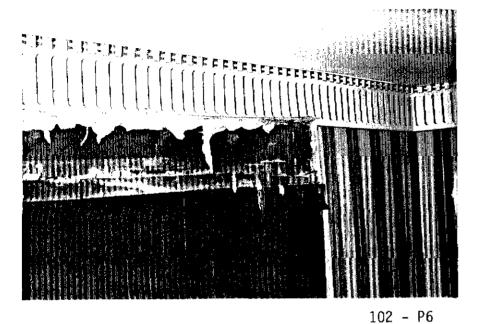


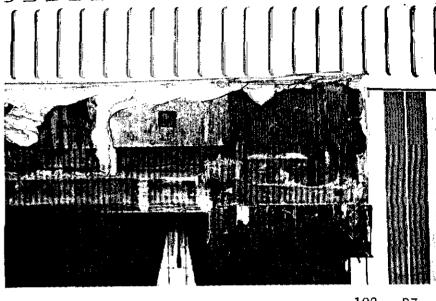
102 - P4

- 1) use of a square steel plate as a washer between the nut and the tapered steel plate
- 2) wood post (column) is tenoned into beam (morticed) with a wood peg which is barely visible
- 3) wood beam continues over post to the south for several inches



102 - P5





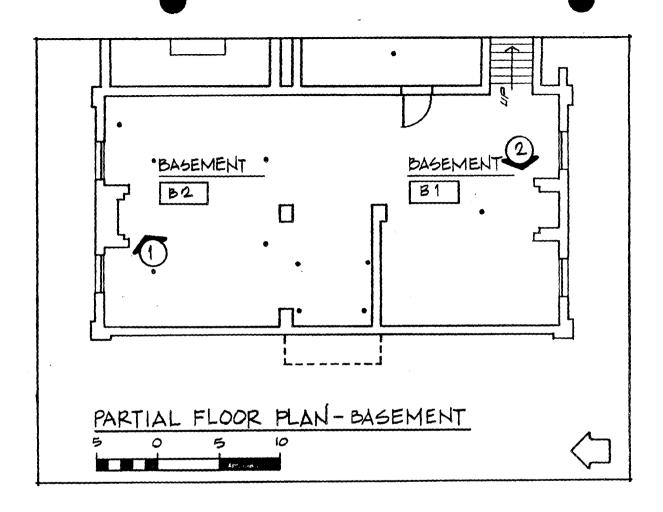
102 - P7

- 1) wood post (column) is a soft wood not oak
- 2) clear view of tenoned column/morticed
- beam and peg
 3) wood beam does not continue over post to north

3. Basement/Crawl Space Investigation

Investigation of existing conditions in the basement and crawl space produced the following photographs.

Location and direction of each photograph is recorded on a Partial Floor Plan for reader clarification.





Base - 1

1) arch form of the "original" brick hearth support



Base - 2

- arch brick hearth support removed
 joist and header with mortice/tenon and peg connection still visible

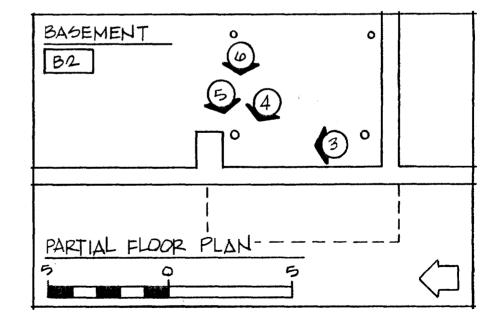


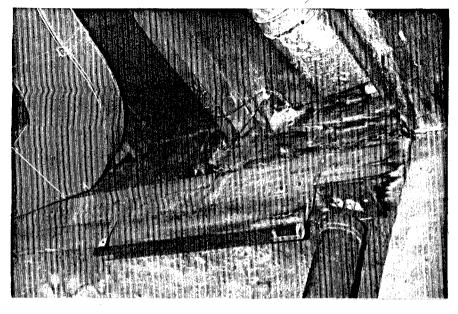
Base - 3

- 1) serious crack in beam below entry door
- 2) at this time, water infiltration is not a problem
- 3) concrete under entry steps
- 4) hewn beam supported by newer beam below



Base - 4





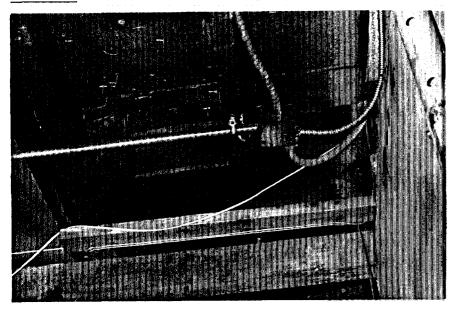
Base - 5

- 1) steel column supports newer wood beam with original beam above
- 2) joists run east/west
- 3) joists notched into hewn beam
- 4) north/south beam and east/west beam are hewn
- 5) joists under Front Parlor run north/south and are notched into beam
- 6) large width floor boards (subflooring) appear original

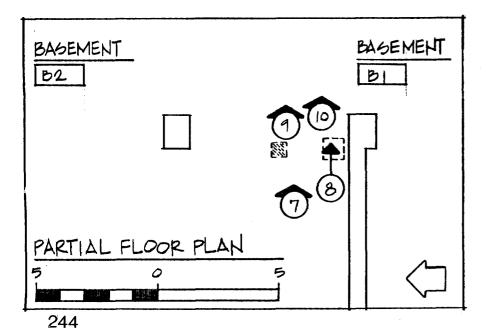


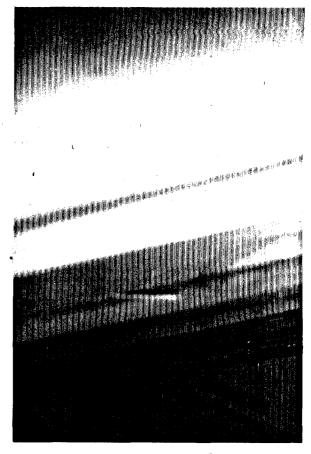
Base - 6

Bastment - Center - Below Hall, Under Bottom of Stair



Base - 7





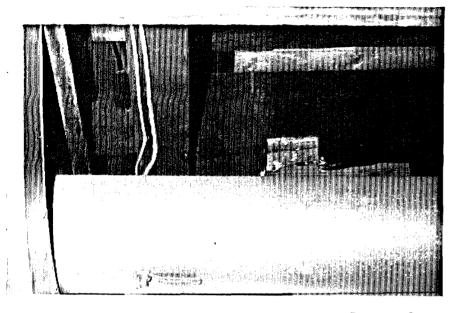
Base - 8

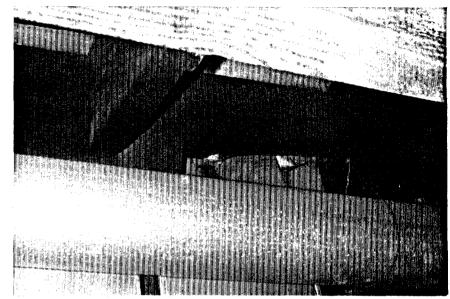
NOTE:

- 1) bottom of newel post visible
- 2) newel post "let" into joist to north
- 3) similar square hole in floor to south of other hole

(photograph on right side of page taken up through hole at underside of stairs)

- 4) bottom edges of each tread and riser are visible
- 5) beyond is underneath side of framing for stair winders





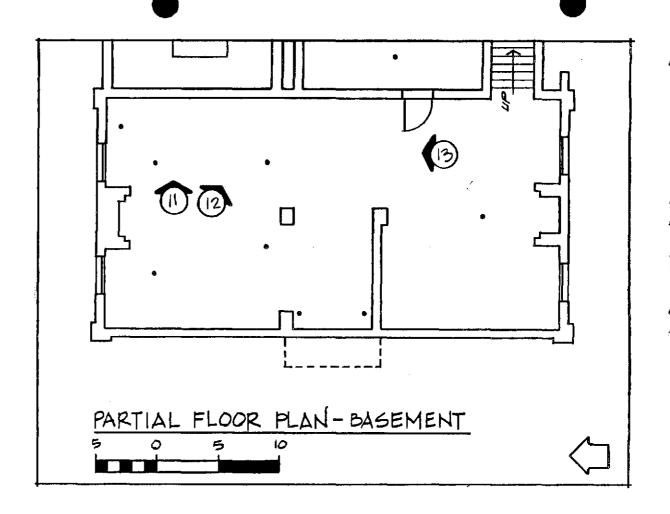
Base - 9

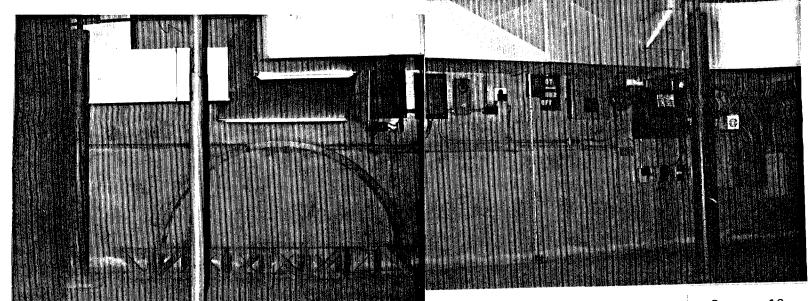
Base - 10

(View up at north/south header of former opening)

1) header 6'- 11-3/4" to east basement wall

- 2) mortice/tenon and peg connection (typical of original framing indicating stairs to basement or access panel part of original house)
- 3) notch on both ends of header (appears to be early modification but reason not apparent)

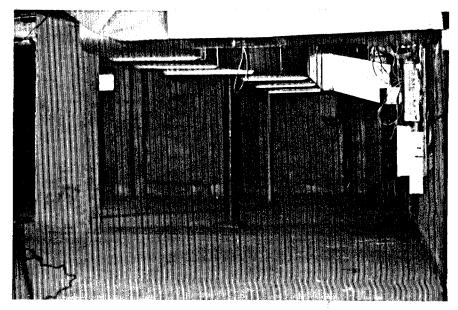




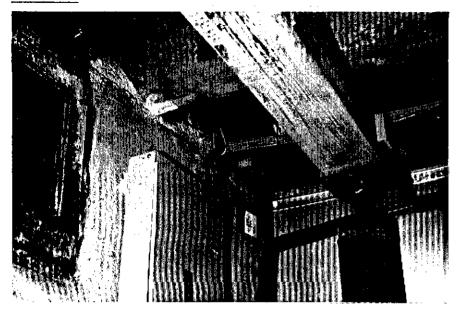
Base - 11

Base - 12

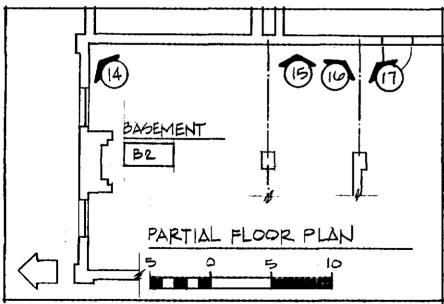
- original brick has been covered with "gunite spray-on"
 alarm systems layout on wall



Base - 13



Base - 14





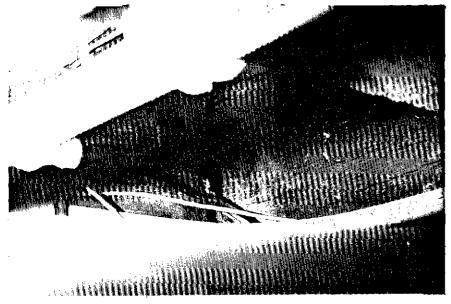
Base - 15

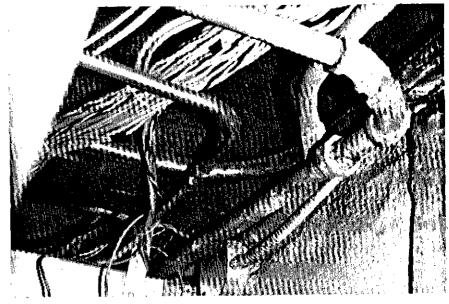
(above left)

 original floor joist connection to newer sill plate poorly done - reason for added support from extra wood beam and steel column

(above)

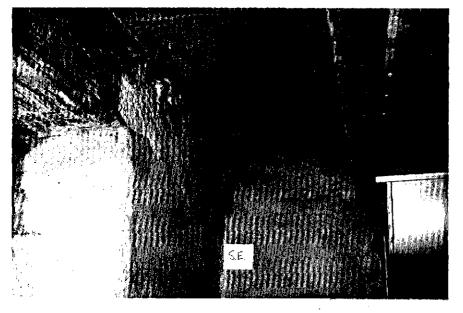
2) "overlap" joint in sill plate visible



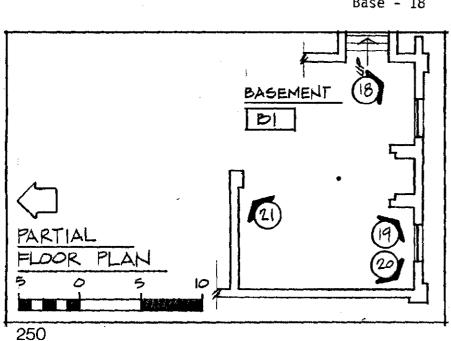


Base - 16 Base - 17

- intersection of north/south sill plate and east/west beam
- 2) beam notched to fit into slot in sill plate
- 3) ledger is attached to sill plate may have been bearing for original stairs
- 4) sill plate is hewn



Base - 18





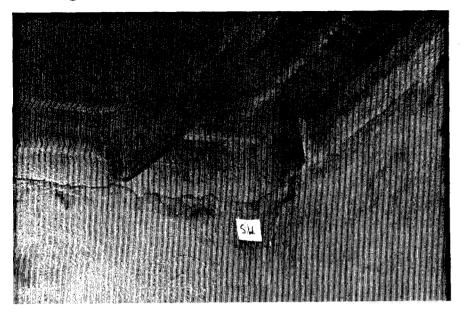
Base - 19

(above left)

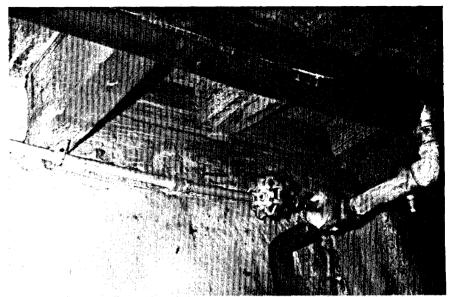
- 1) original north/south 8" x 8" hewn sill plate
- 2) east/west sill plate (covered by "gunite"); not original circular sawn; added in 1950's
- 3) subfloor is not the same as on north side of house

(above)

- 4) sill plate not original circular sawn
- 5) wood members under chimney masonry



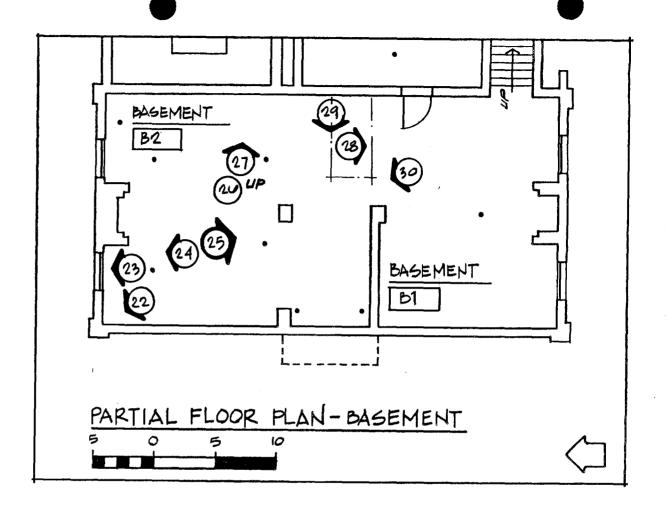
Base - 20

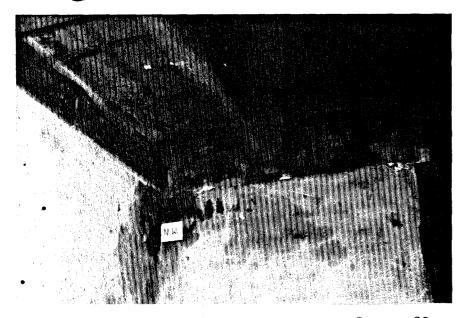


Base - 21

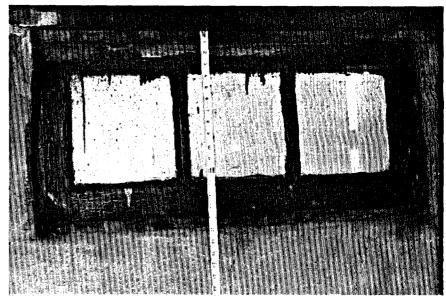
- both sill plates are not original
 notched sill plates for joist bearing

- 1) east/west sill plate is under south wall of Entrance Hall
- 2) sill plate hewn3) extra small joist between regular joists





Base - 22



Base - 23

NOTE: (above)

1) sill plates are not original

2) original subfloor members - vertically sawn

3) ledger at left on north/south sill plate

(above right)

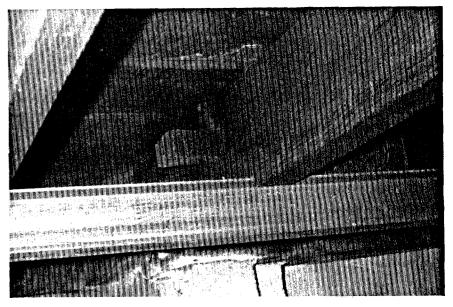
4) sill beam above window not original

5) circular saw marks

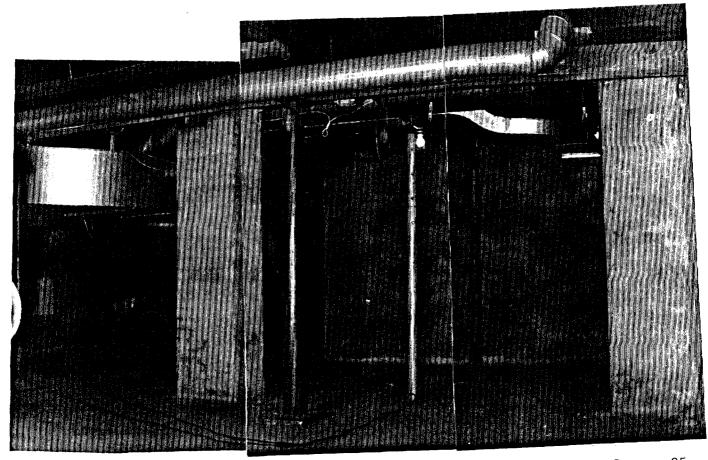
(right)

6) tenon and peg of hearth support header visible

7) large subfloor boards



Base - 24



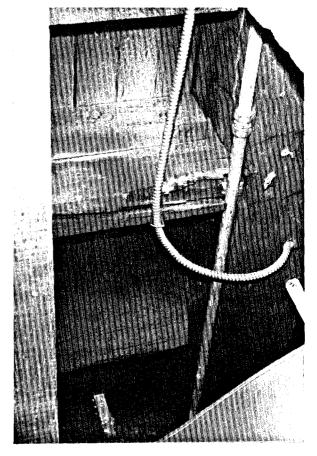
Base - 25

- large steel post supports new beam under joist ends along main beam running east/ west
- 2) pilaster under entry at night3) wing wall under south wall of Entrance Hall beyond



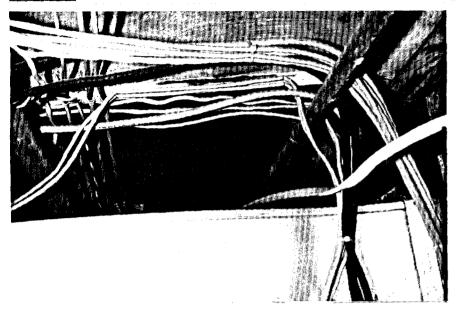
Base - 26

- 1) + 14" subflooring
- 2) additional subflooring seen through cracks
 3) large subflooring vertically sawn



Base - 27

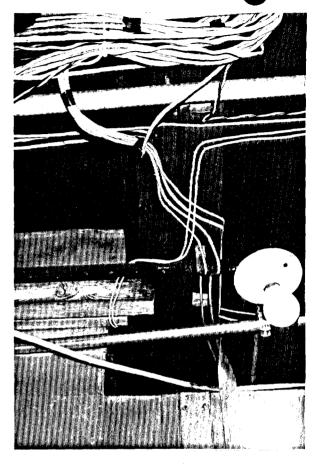
- 1) original hewn beam under north wall of Entrance Hall
- 2) original hewn joists deteriorated3) joist ends supported by new beam and column



Base - 28

(Looking south at east/west beam)

 notch cut into side of beam for a wood hanger - similar to detail at back stairs



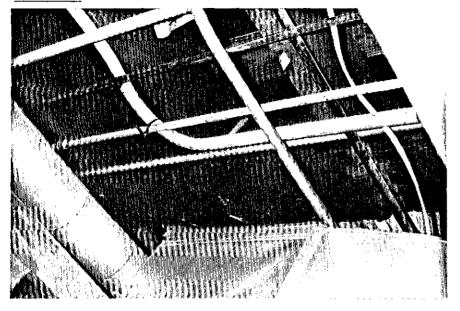
Base - 29

NOTE:

(Looking at east/west header of former opening in floor)

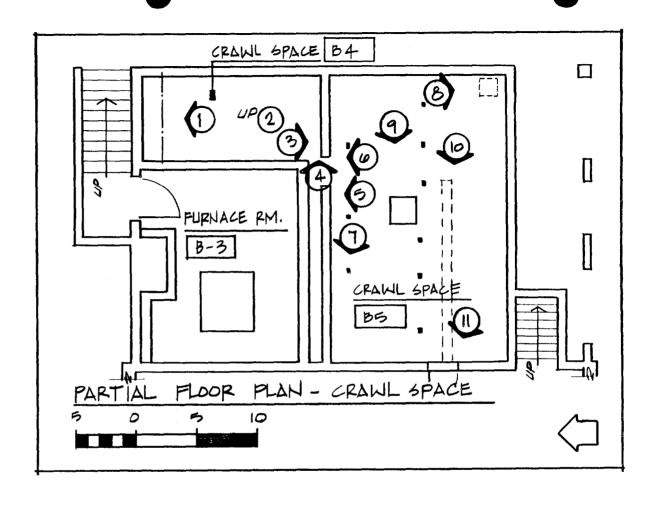
1) 1 x 4 vertical member (now cut off at bottom of joist) let into side of joist

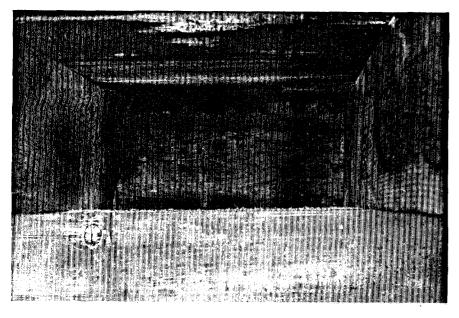
Basement - East/West Beam - Under South Wall of Entrance Hall



Base - 30

- original hewn beam and joists
 notch in bottom of beam for pipe





Crawl - 1

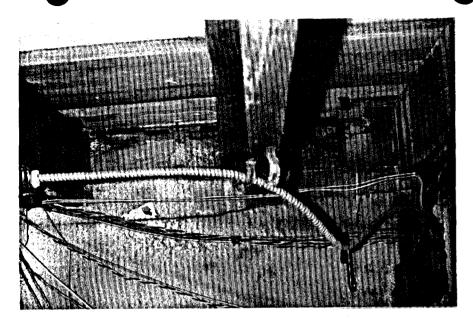


(View above support beam to north sill plate)
1) studs visible in gap between top of sill plate and subfloor
2) joists notched into sill plate - same joists notched into ledger on south end



Craw1 - 2

- old and new joists
 new flooring <u>+</u> 1975



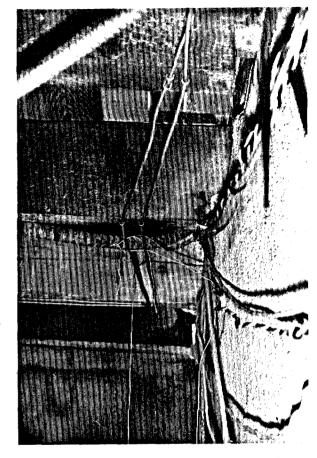
Crawl - 3

(View to south along west wall)

1) complete, straight joint in hewn sill plate running east/west on center wall

2) joists are double

3) new flooring \pm 1975



Crawl - 4

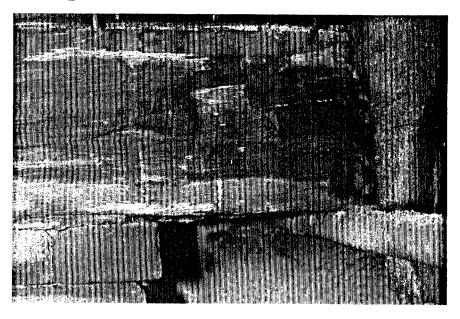
NOTE:

(View to east, along center wall, north side)

 joists notched and bearing on ledger nailed to sill plate

some original joists with new members nailed to side of original

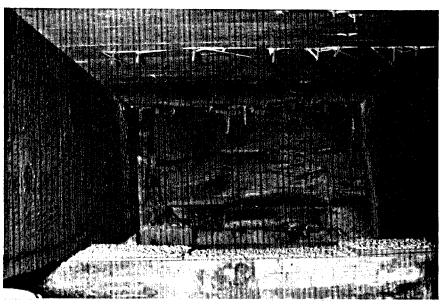
3) new flooring visible



Craw1 - 5

(East/west center wall at opening, west side)

- hewn beam with notch for joist
 beam and joist deteriorating
 cut nails extending down through floor above



Crawl - 6

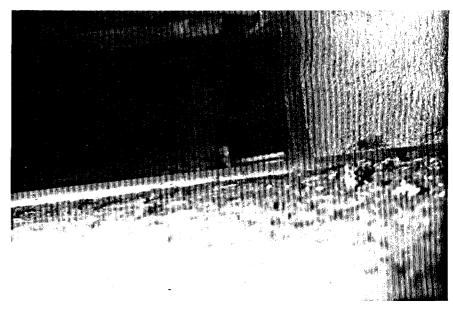
NOTE:

(Under kitchen, looking north at east/west

center wall - just east of opening)

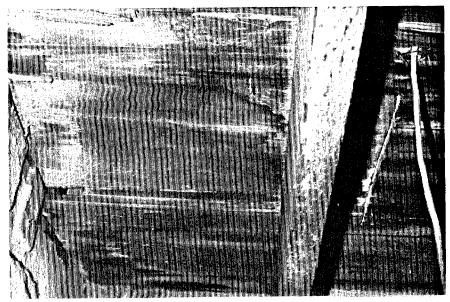
1) complete joint in sill plate

2) to west of joist over opening, sill plate
badly deteriorated



Crawl - 7

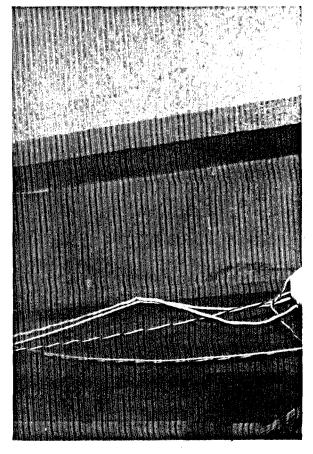
NOTE:
(Looking west along south side of east/west center wall)
1) large gaps between joist ends and sill plate



Craw1 - 8

(Looking across joists to southwest)

1) circular sawn marks on joists - under kitchen area are the only joists in basement/crawl space that are circular sawn



Crawl - 9

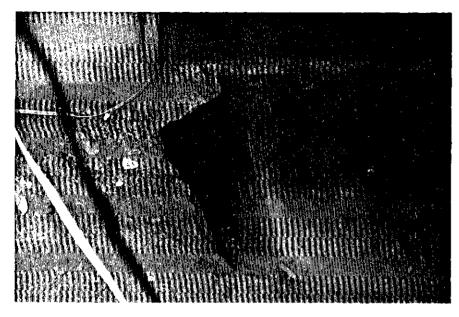
NOTE:

cut out/fill in area below back stair landing



Crawl - 10

- NOTE:
 (Looking due west)
 1) outline of former brick foundation wall
 2) brick foundation wall ends approximately
 two feet further east of where it stops



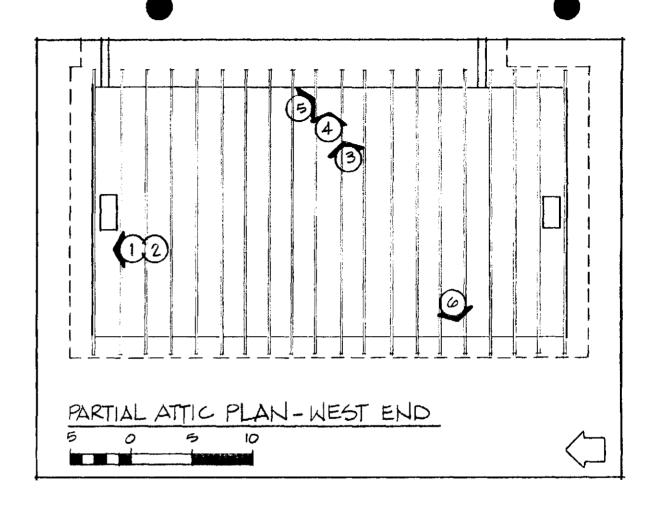
Crawl - 11

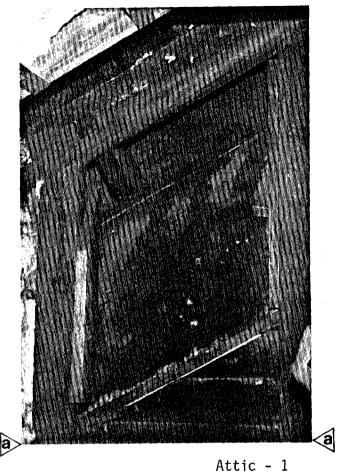
- old brick foundation wall only four courses deep
- 2) old foundation wall toothed into main basement wall running north/south

4. Attic Investigation

Investigation of existing conditions in the attic produced the following photographs.

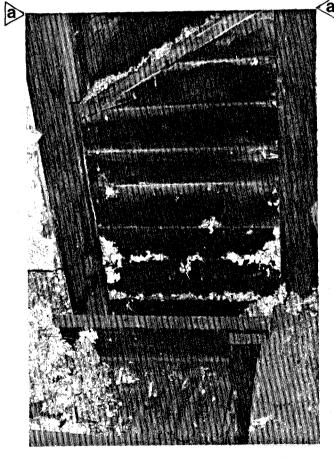
Location and direction of each photograph is recorded on a Partial Floor Plan for reader clarification.



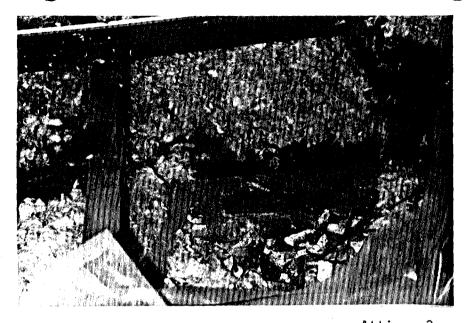


NOTE:

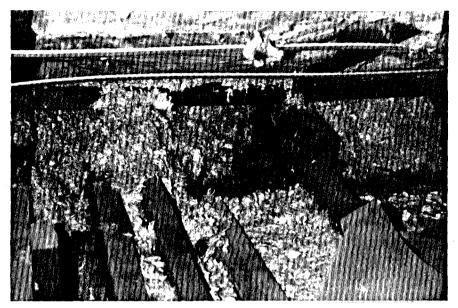
- back side of exterior siding
 insulation brushed away to expose lath and plaster ceiling



Attic - 2



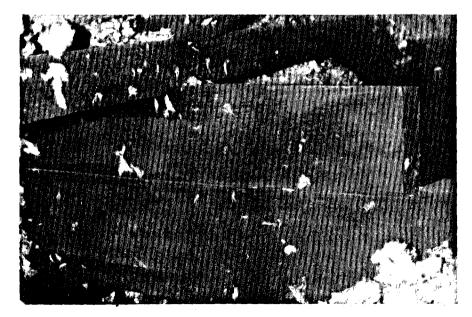
Attic - 3



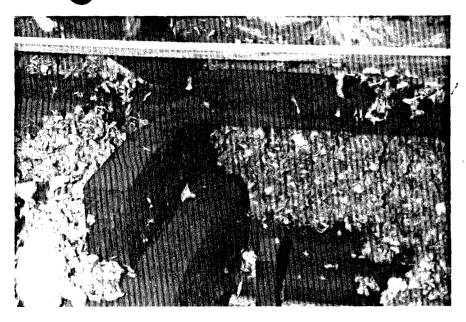
Attic - 4

NOTE:

- closeup of rafter sill plate
 insulation on top of ceiling and between rafters



270



Attic - 6

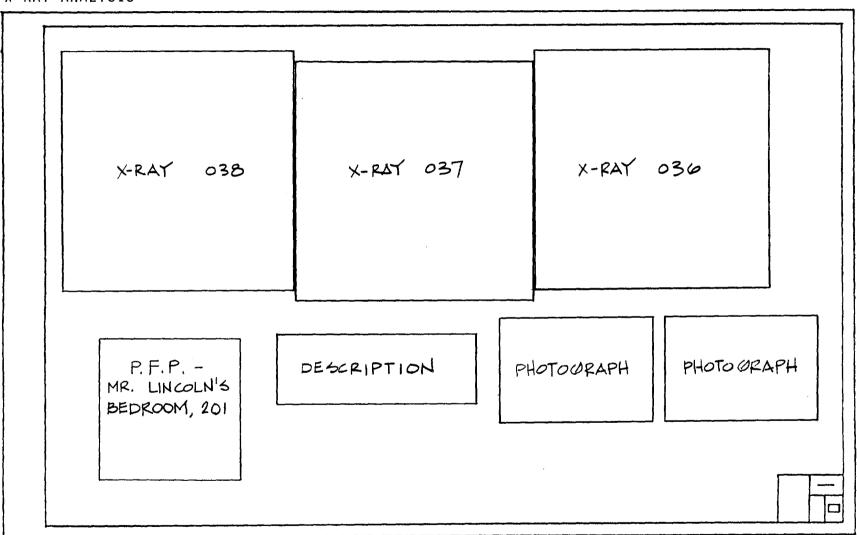
- NOTE:
 1) closeup of rafter sill plate
 2) lath strip on rafter to hold up insulation

5. X-Ray Analysis

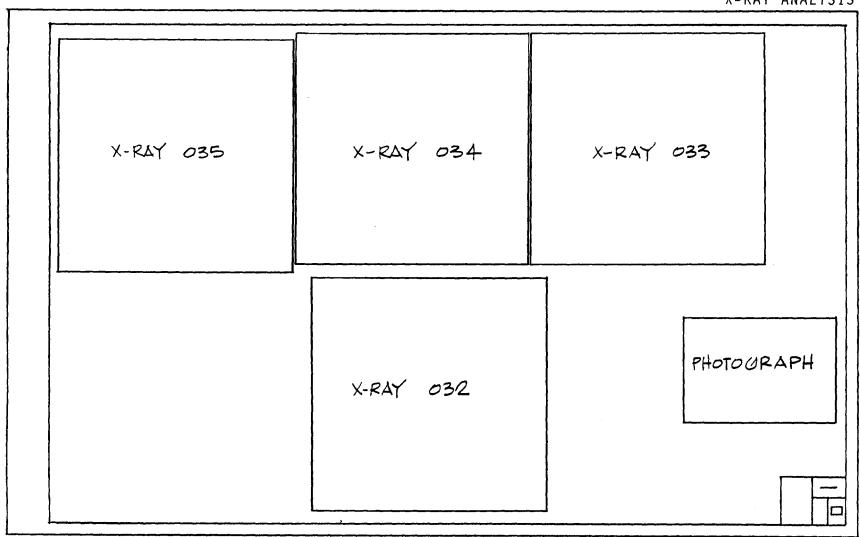
In July 1979 and in April 1980, X-Ray Examinations were performed on the Lincoln Home to non-destructively determine concealed existing conditions.

The firm of David McLaren Hart and Associates of Boston, Massachusetts conducted the X-Ray Examinations and Analysis. Their Report is included in the Appendix, Section C.

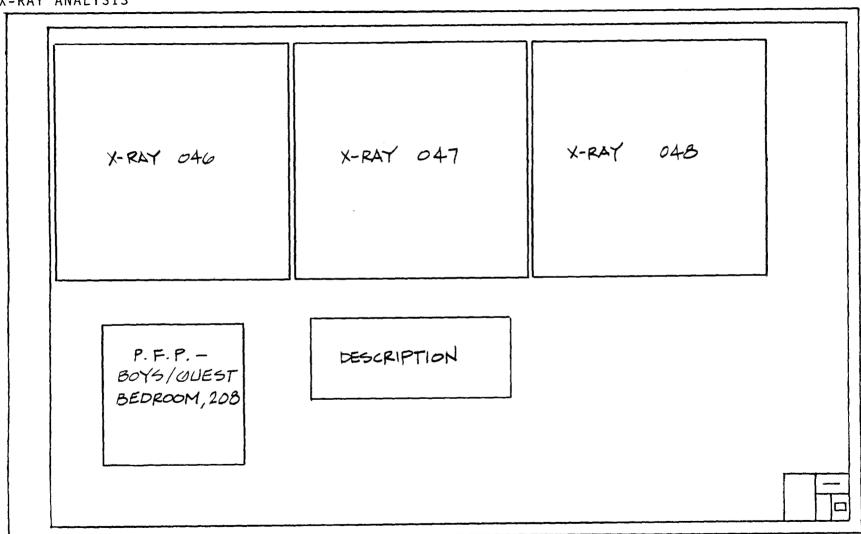
The following pages represent a proposed method of presenting the X-Rays, Report, photographs and other pertinent data. The originals would be on 22" x 36" mylar sheets. (The sheets on the following pages are reduced 25%.)



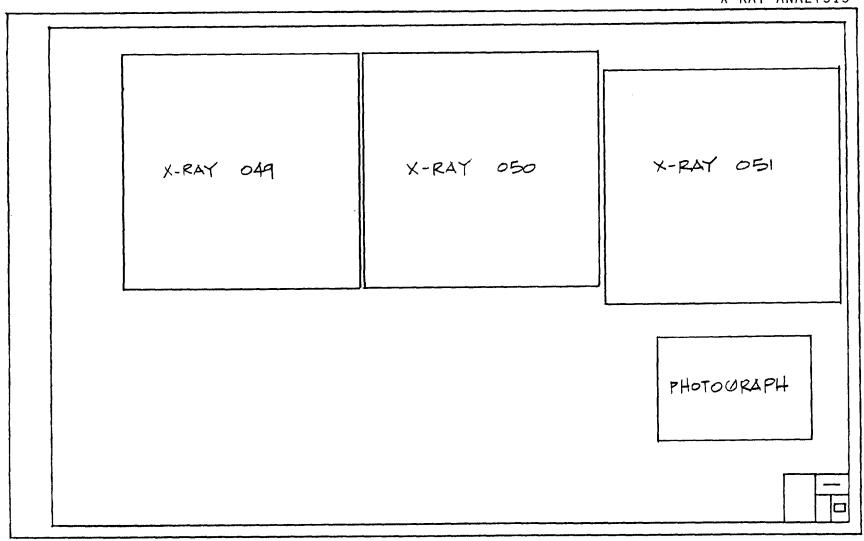
Mr. Lincoln's Bedroom, 201



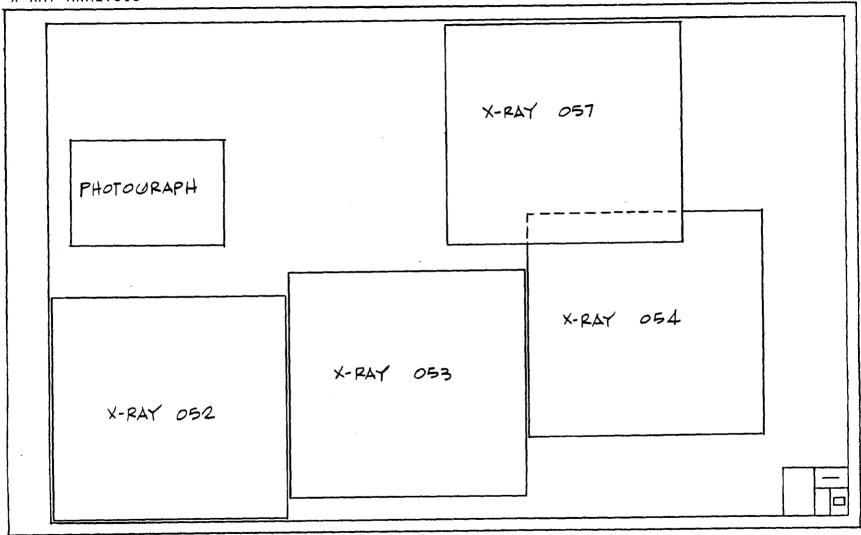
Mr. Lincoln's Bedroom, 201



Guest/Boys Bedroom, 208

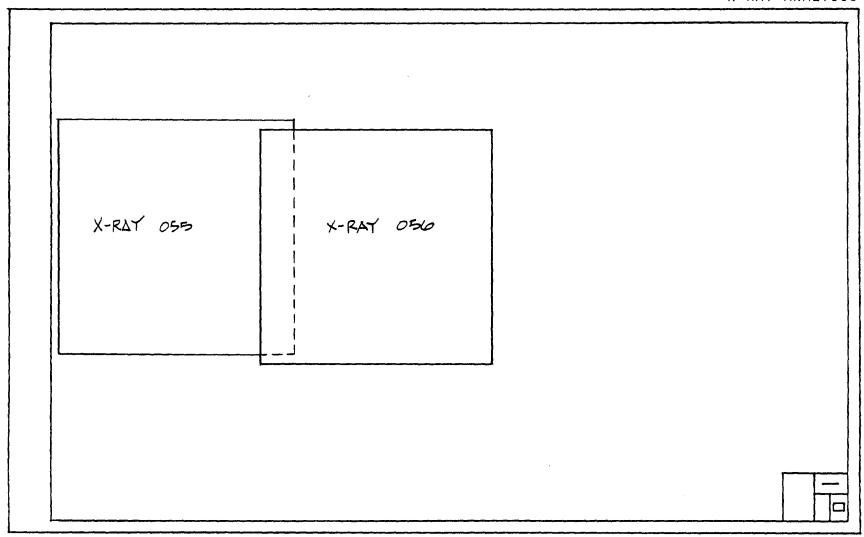


Guest/Boys Bedroom, 208

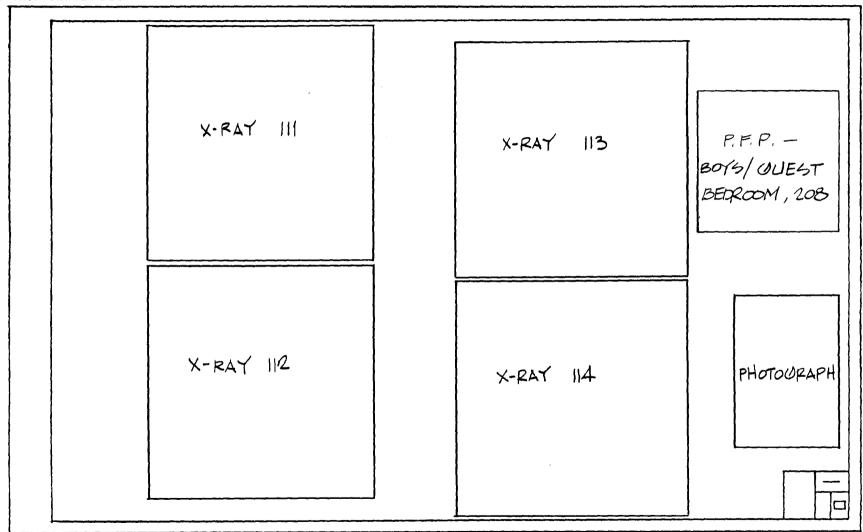


Guest/Boys Bedroom, 208

Sheet No. 5

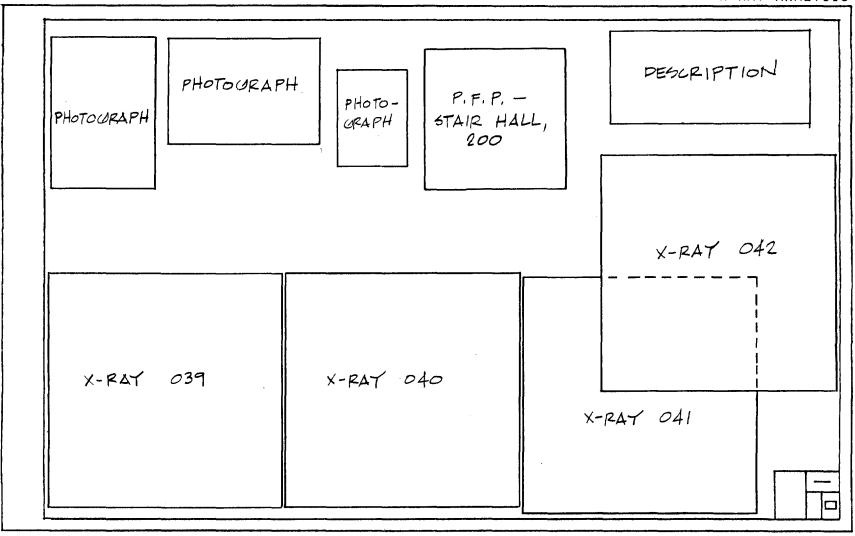


Guest/Boys Bedroom, 208



Guest/Boys Bedroom, 208

Sheet No. 7

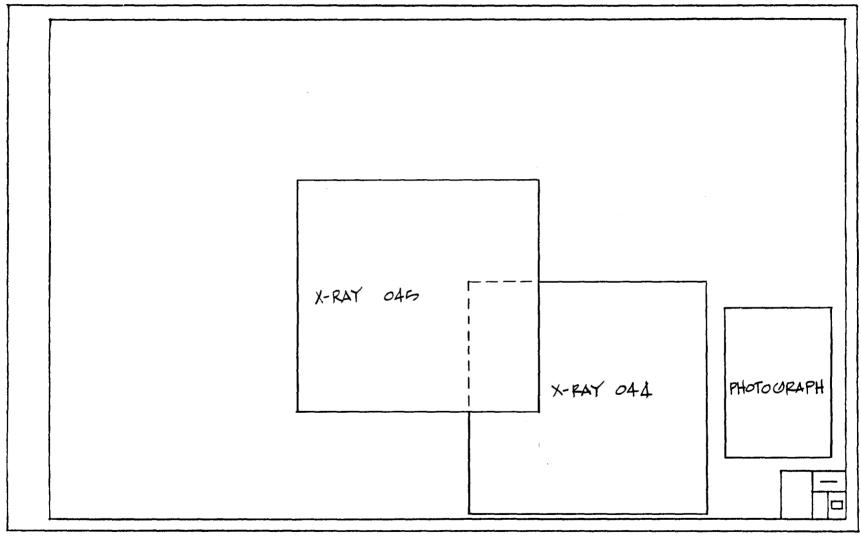


Stair Hall, 200

Sheet No. 8

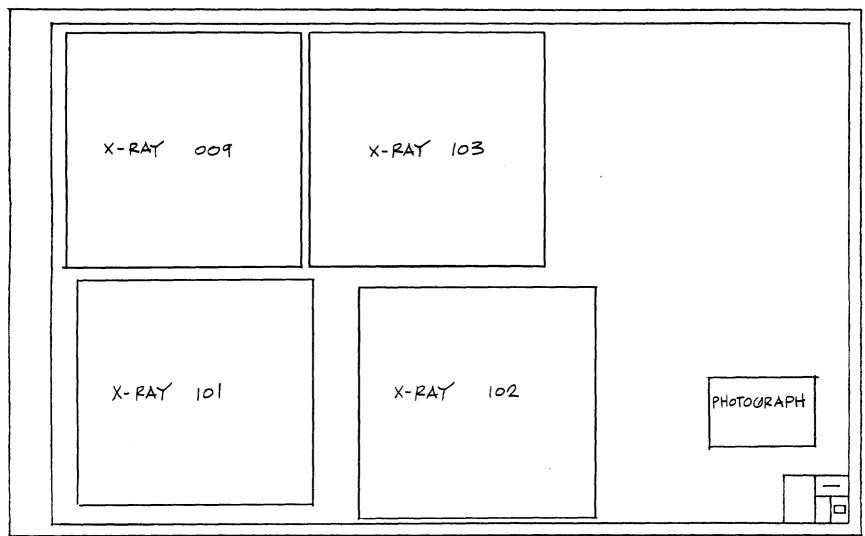
Stair Hall, 200

Sheet No. 9



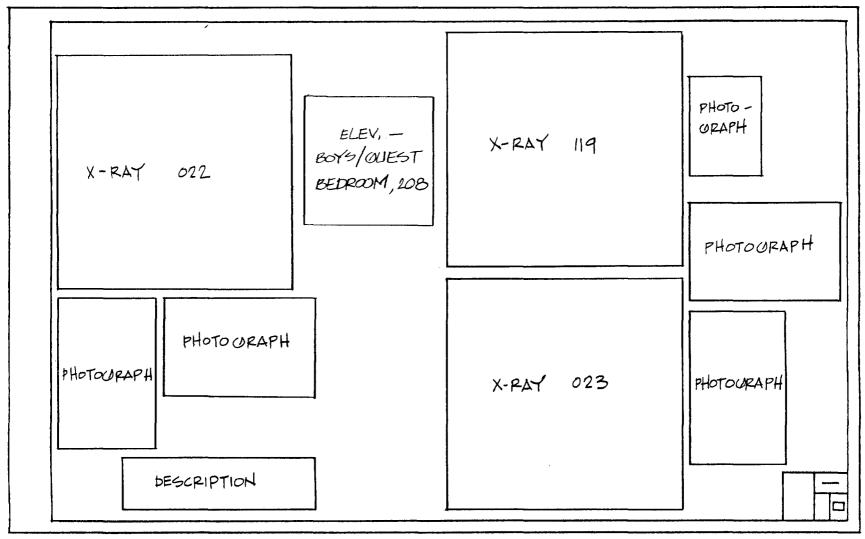
Stair Hall, 200

Sheet No. 10



Mr. Lincoln's Bedroom, 201

Sheet No. 11

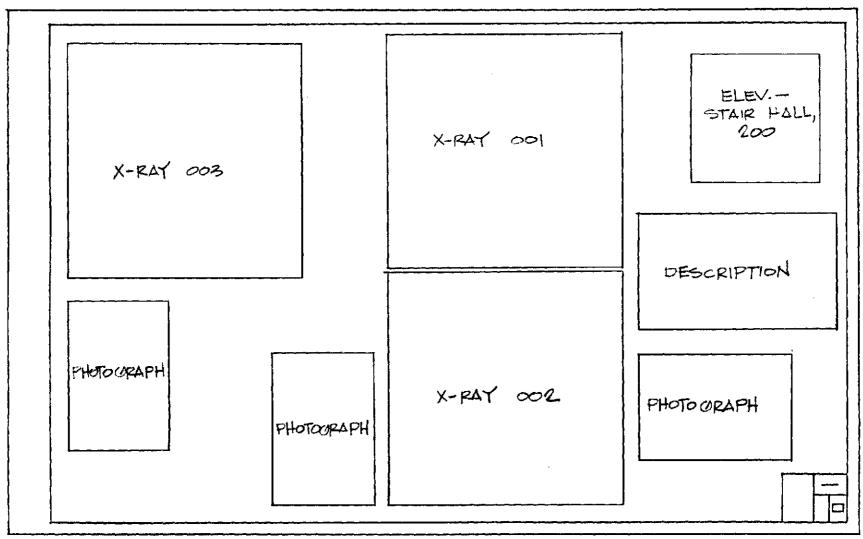


Guest/Boys Bedroom, 208

Sheet No. 12

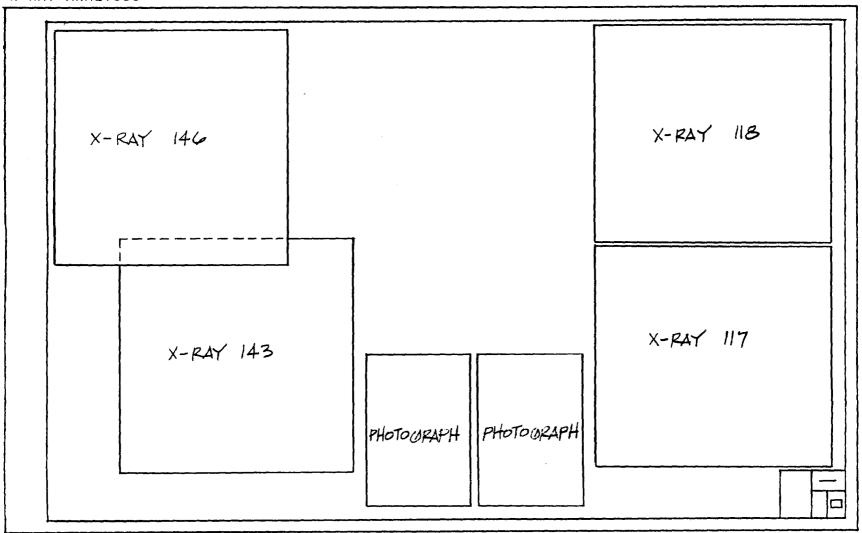
Guest/Boys Bedroom, 208

Sheet No. 13

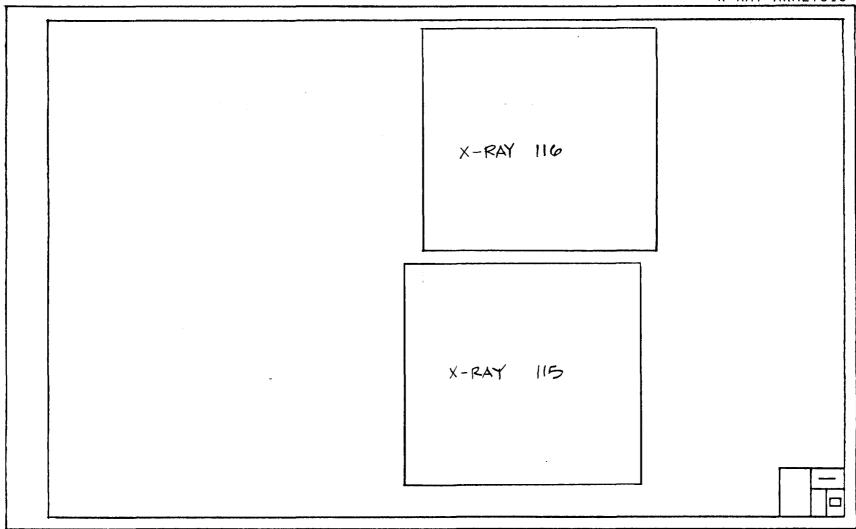


Stair Hall, 200

Sheet No. 14

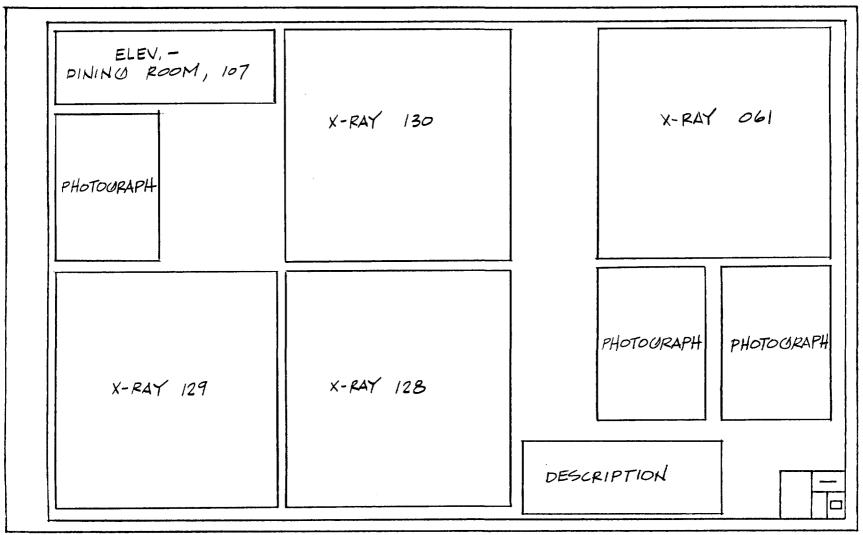


Stair Hall, 200

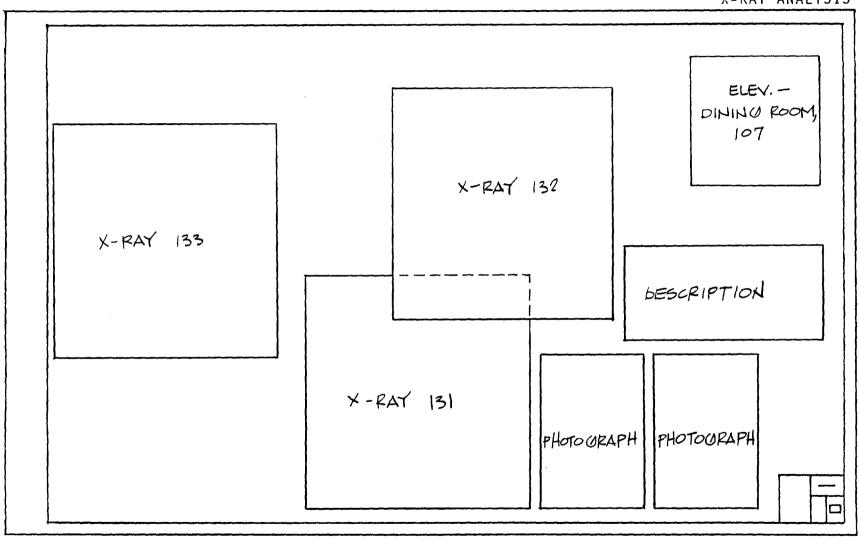


Stair Hall, 200

Sheet No. 16



Dining Room, 107

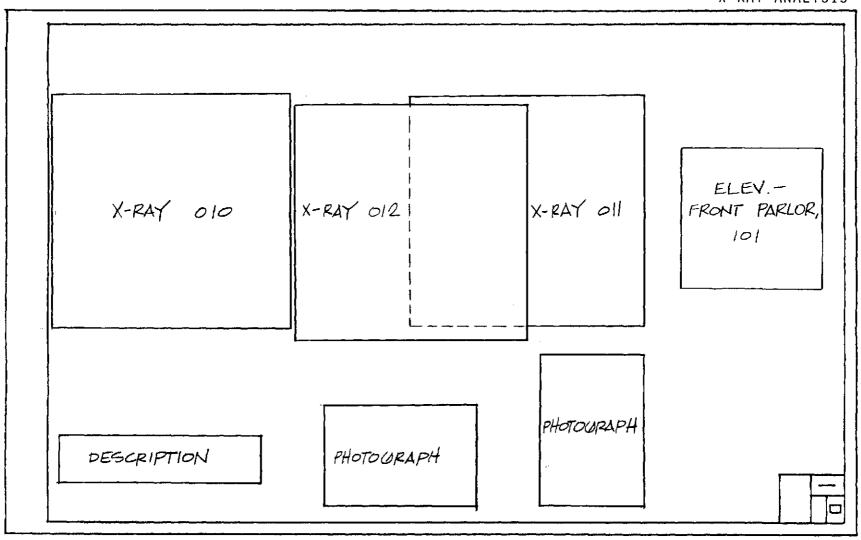


Dining Room, 107

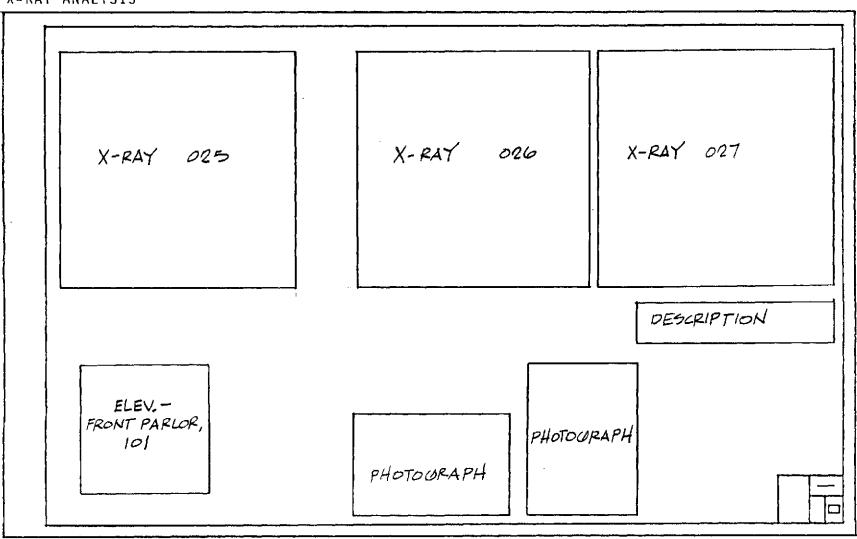
Sheet No. 18

Dining Room, 107

Sheet No. 19

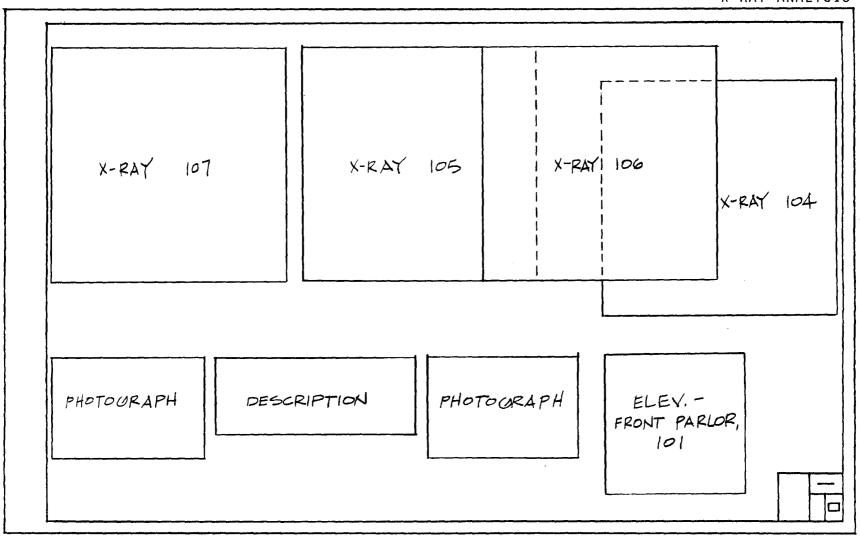


Front Parlor, 101



Front Parlor, 101

Sheet No. 21

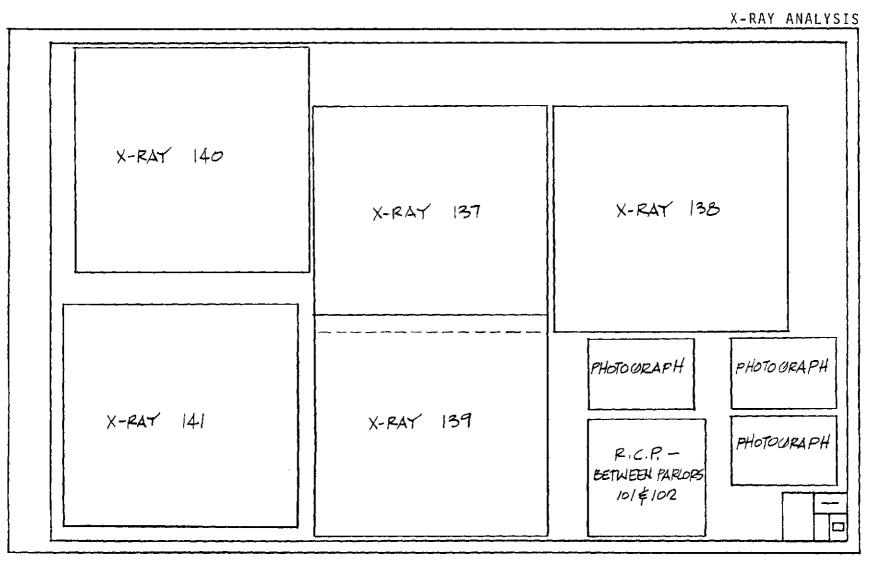


Front Parlor, 101

Sheet No. 22

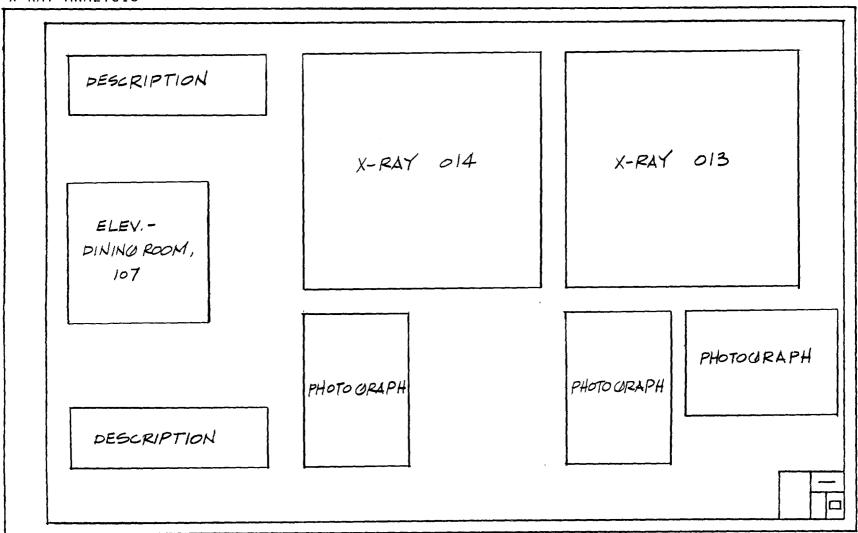
Front Parlor, 101

Sheet No. 23



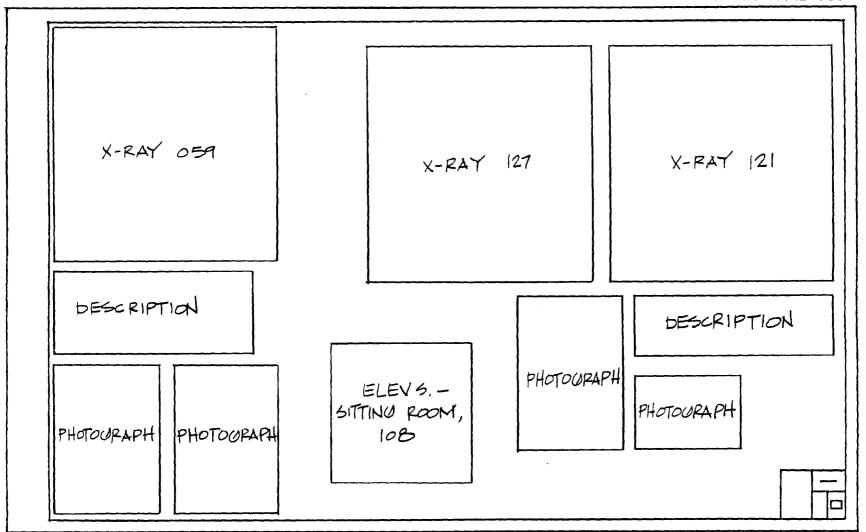
Front Parlor, 101 and Back Parlor, 102

Sheet No. 24



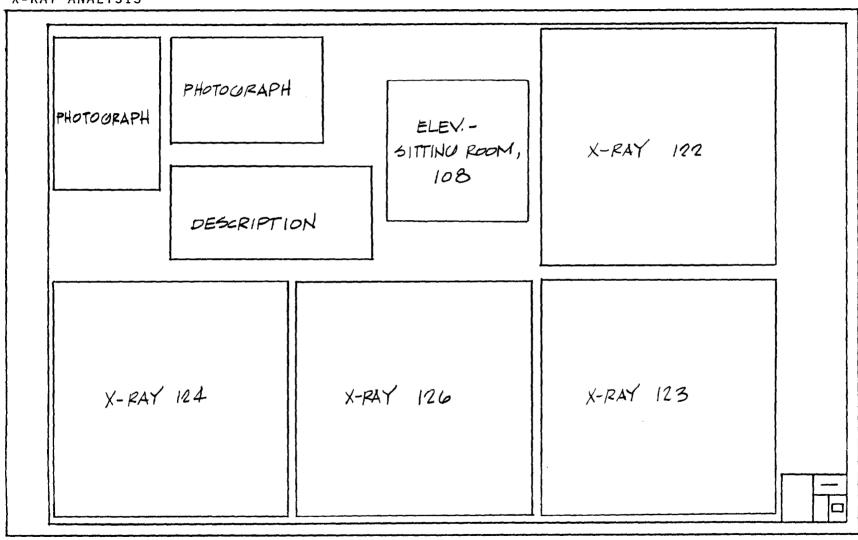
Dining Room, 107

X-RAY ANALYSIS



Sitting Room, 108

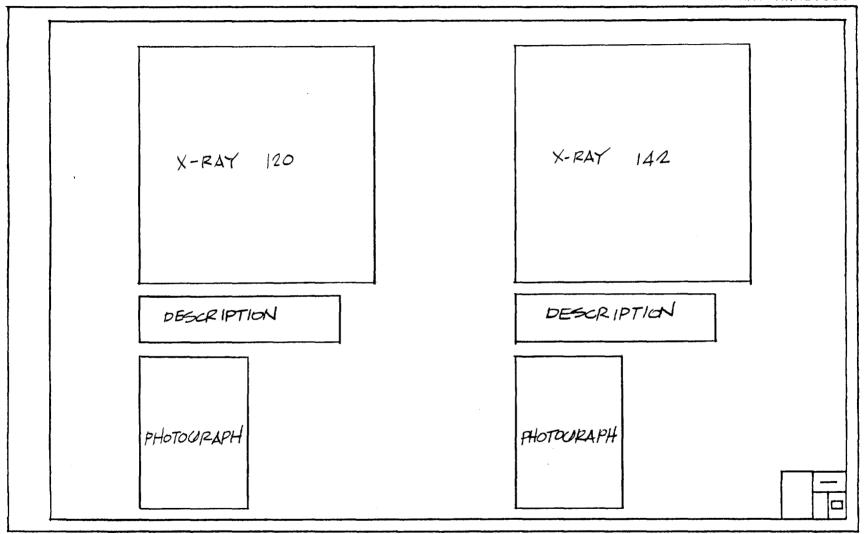
Sheet No. 26



Sitting Room, 108

Sheet No. 27

X-RAY ANALYSIS



Sheet No. 28

Sheet No. 29

Sheet No. 30

6. Paint Analysis

Research for the historic paint and color of the Lincoln Home was conducted at two different times.

In June 1976, a paint study was conducted on the exterior of the Lincoln Home by Richard Wolfe prior to the Exterior Restoration Work in the Fall of 1976 and in the Spring of 1977. Refer to the Appendix, Section A for a copy of this study.

In August 1978, a paint study was performed on the interior of the Lincoln Home by Frank Welsh. Refer to the Appendix, Section B for a copy of this study.

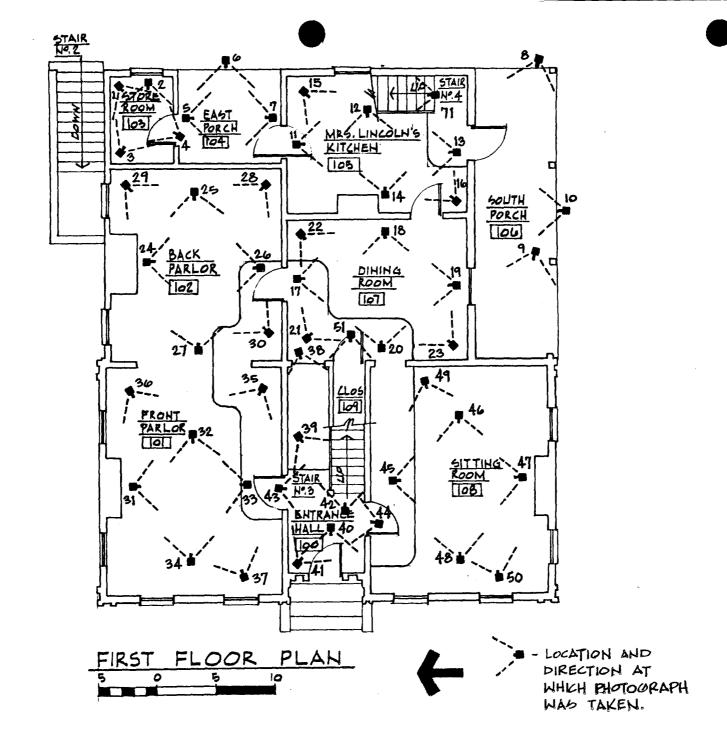
7. Photographs

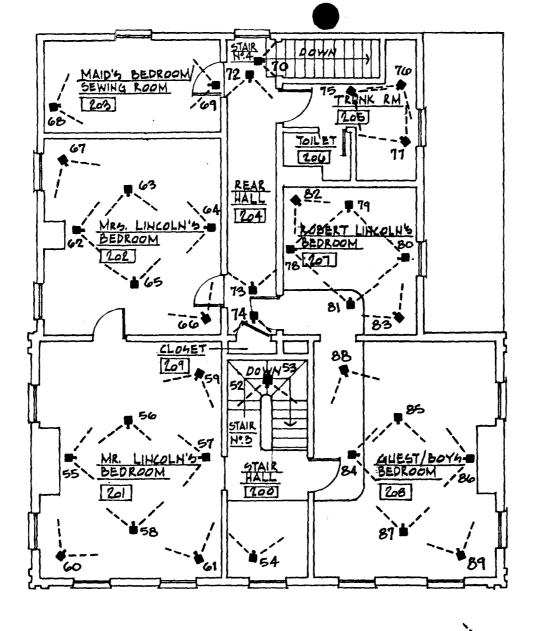
Interior and Exterior photographs have been taken to visually record the existing conditions at the Lincoln Home.

a. Interior Photographs

The Interior photographs were taken by Bill Hagen. Photographs from various angles in the same room are needed to ensure all areas of the room are recorded.

A key to the location and direction of each photograph is given in the First and Second Floor Plans on the following pages.





SECOND FLOOR PLAN



I-LOCATION AND DIRECTION AT WHICH PHOTOGRAPH WAS TAKEN. Store Room 103 - View to the Southwest

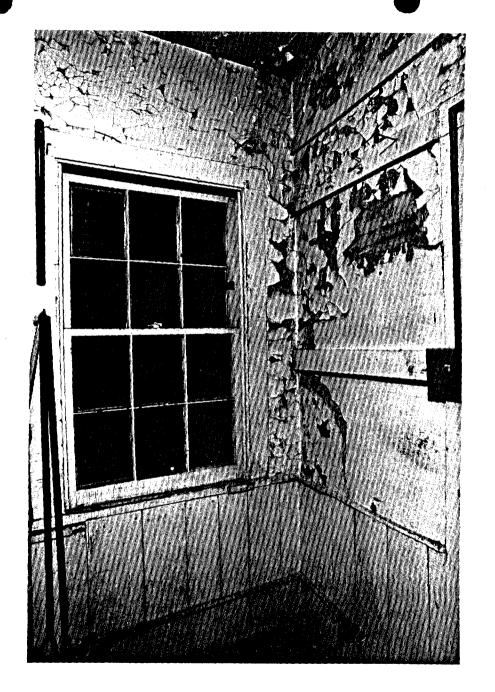


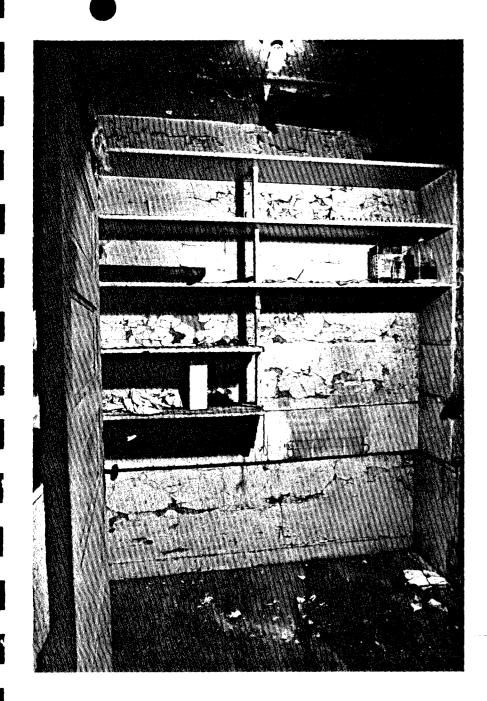
INT - 1



Store Room 103 - West Elevation

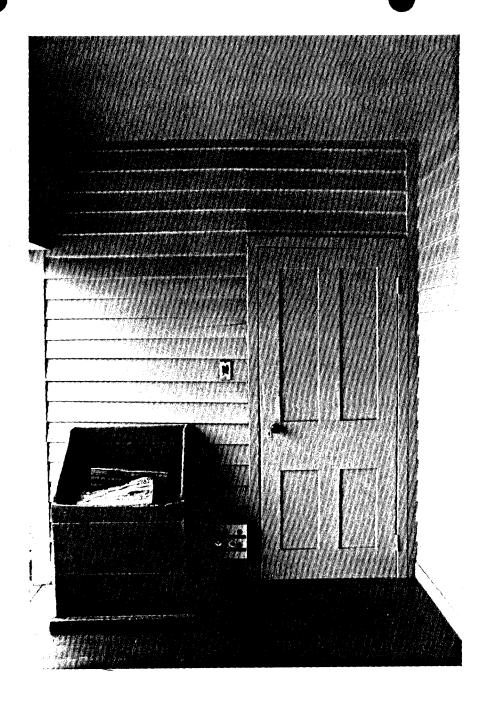
Store Room 103 - View to the Southeast

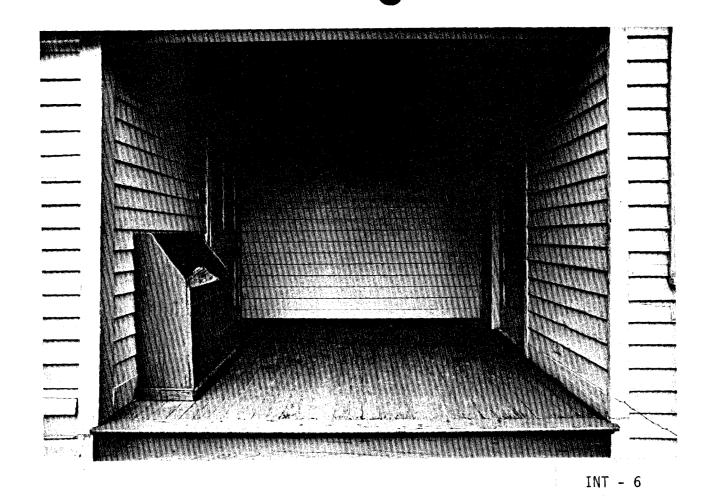




Store Room 103 - View to the Northeast

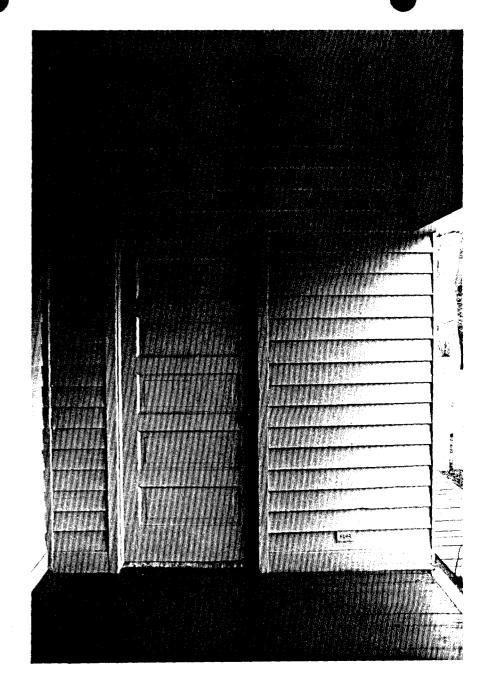
East Porch 104 - South Wall

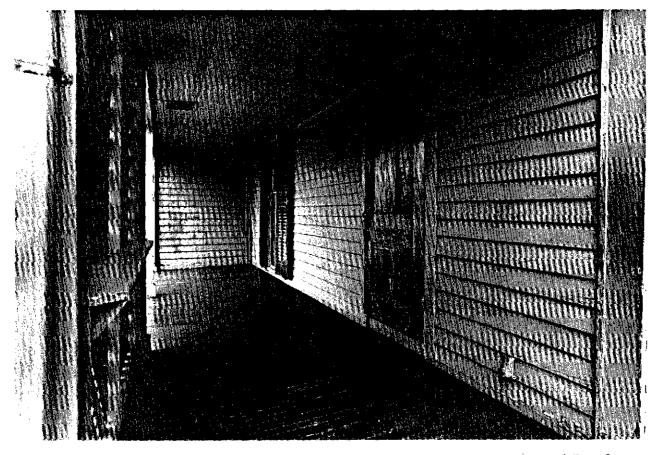




East Porch 104 - West Wall

East Porch 104 - North Wall

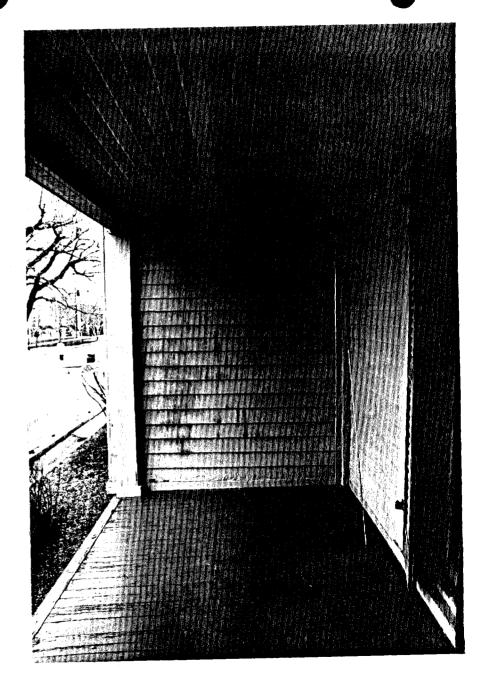




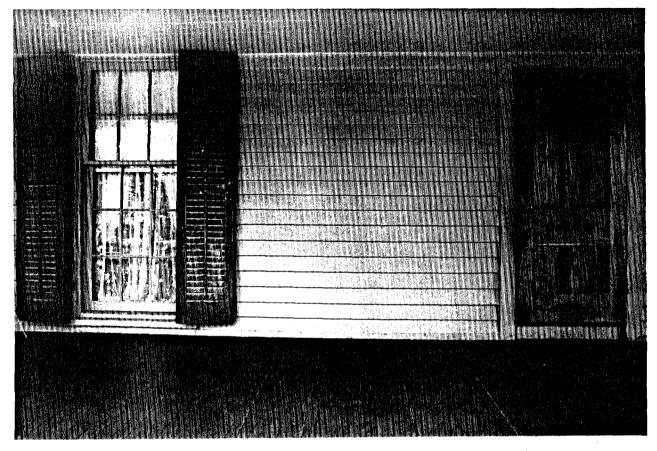
INT - 8

South Porch 106 - View to the Northwwest

South Porch 106 - View to the Northwest



INT - 9



INT - 10

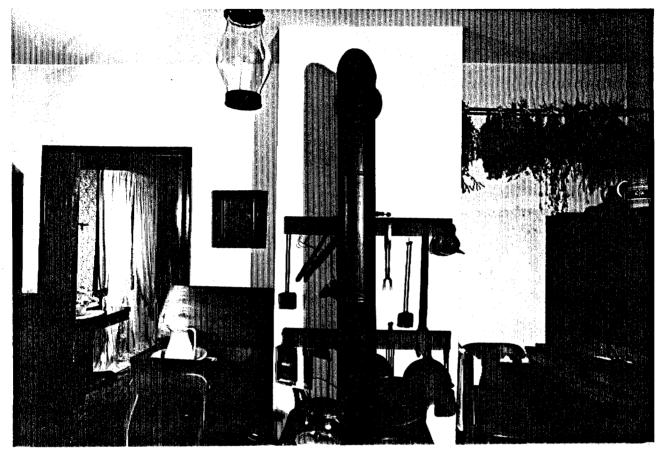
South Porch 106 - North Wall



320

INT - 11

Mrs. Lincoln's Kitchen 105 - South Elevation



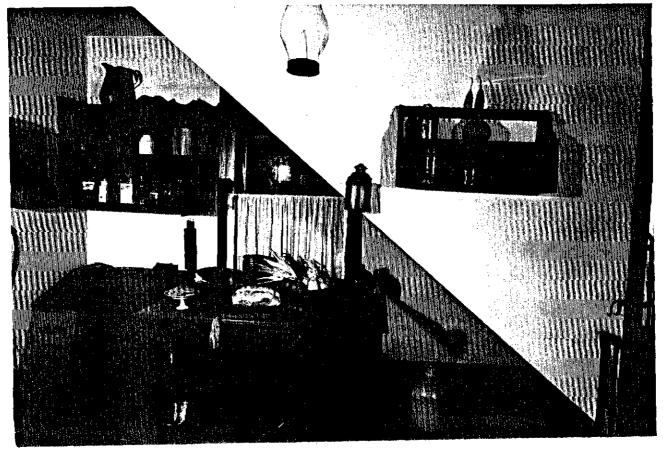
INT - 12

Mrs. Lincoln's Kitchen 105 - West Elevation



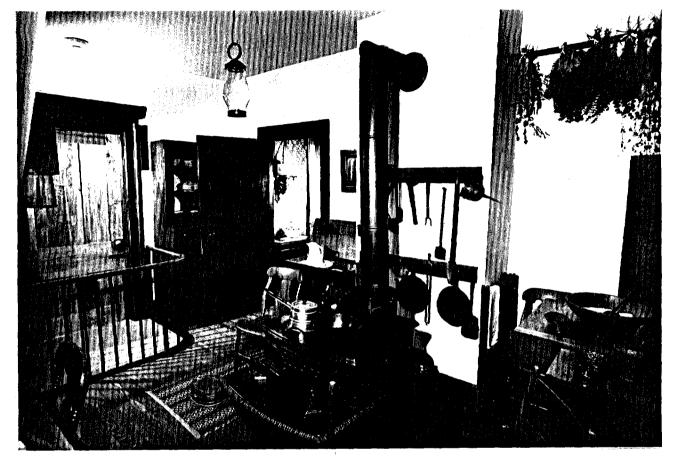
INT - 13

Mrs. Lincoln's Kitchen 105 - North Elevation



INT - 14

Mrs. Lincoln's Kitchen 105 - East Elevation



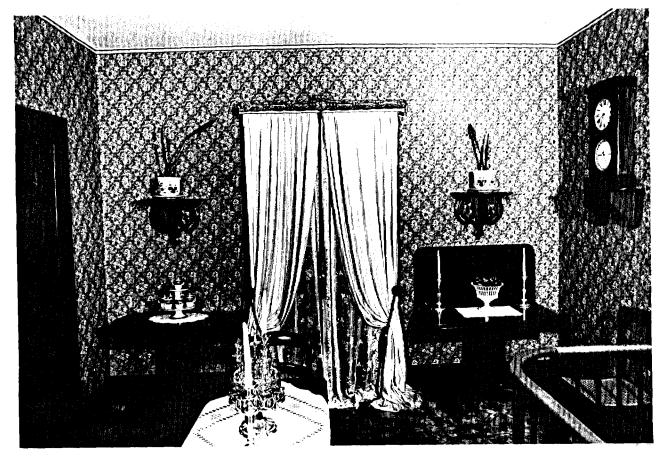
INT - 15

Mrs. Lincoln's Kitchen 105 - View to the Southwest



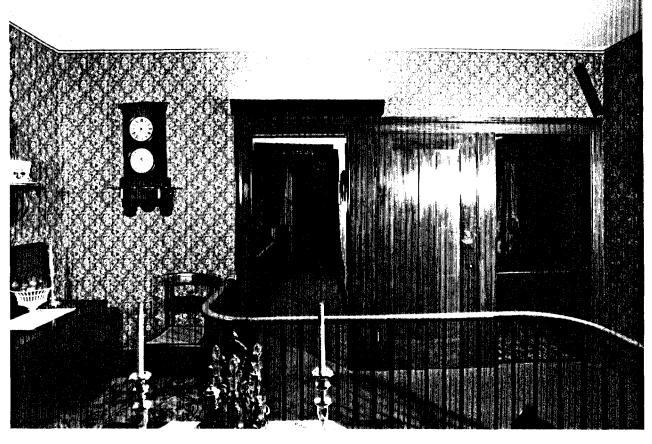
INT - 16

Mrs. Lincoln's Kitchen 105 - View to the Northeast



INT - 17

Dining Room 107 - South Elevation



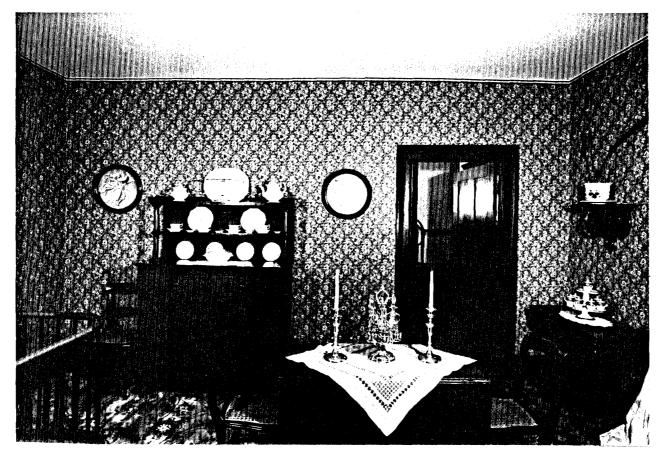
INT - 18

Dining Room 107 - West Elevation



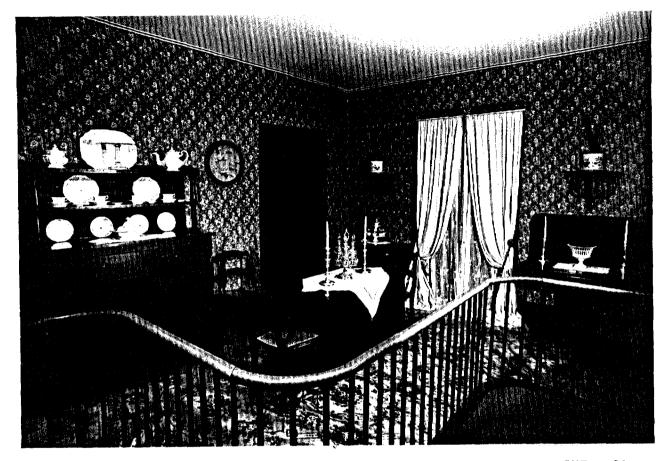
INT - 19

Dining Room 107 - North Elevation



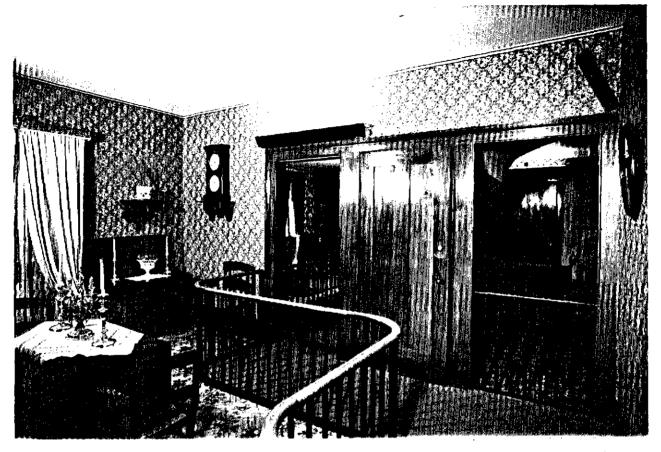
INT - 20

Dining Room 107 - East Elevation



INT - 21

Dining Room 107 - View to the Southeast



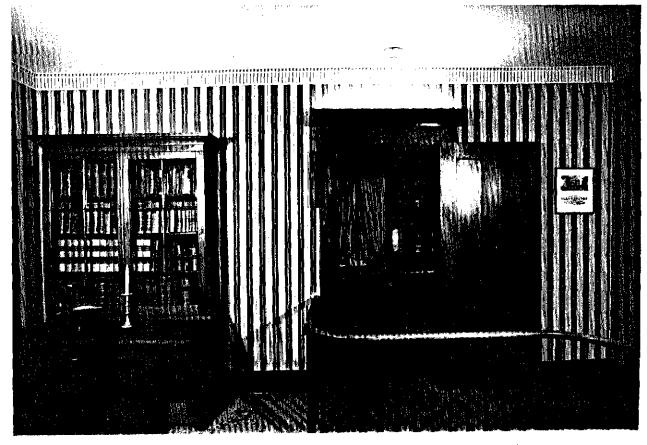
INT - 22

Dining Room 107 - View to the Southwest



INT - 23

Dining Room 107 - View to the Northeast



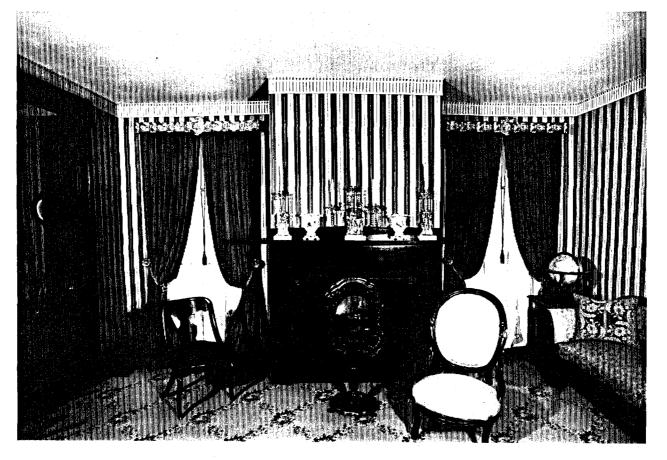
INT - 24

Back Parlor 102 - South Elevation



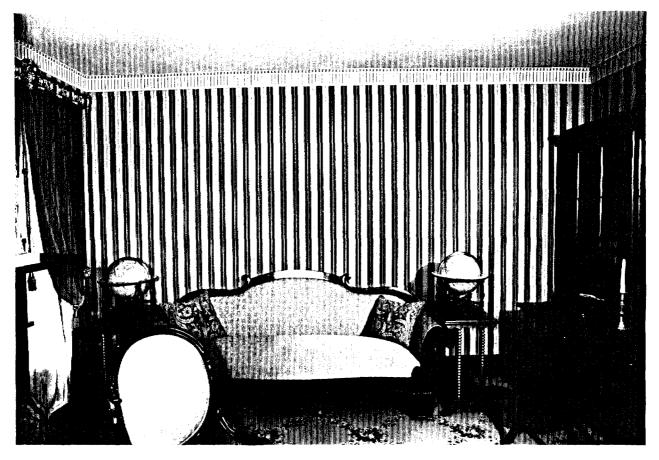
INT - 25

Back Parlor 102 - West Elevation



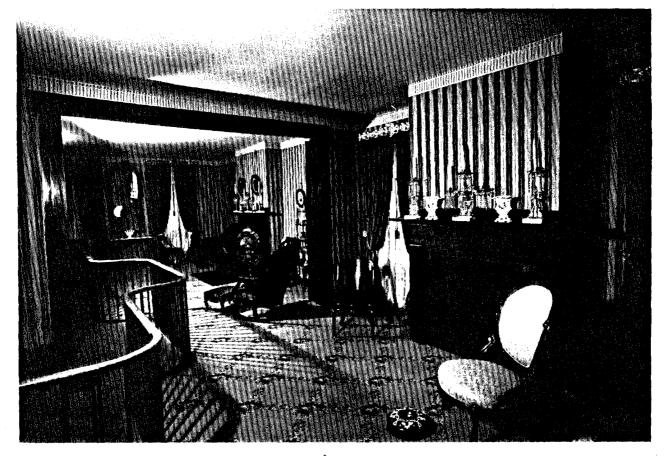
INT - 26

Back Parlor 102 - North Elevation



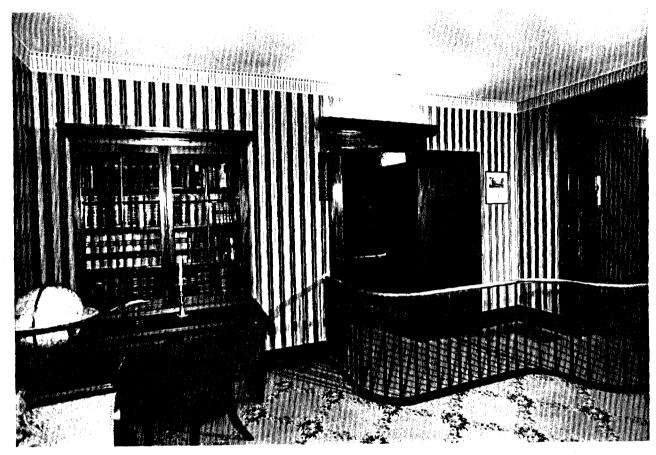
INT - 27

Back Parlor 102 - East Elevation



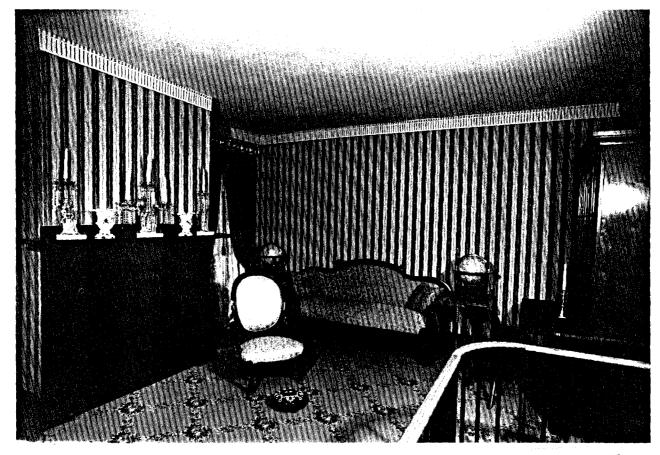
INT - 28

Back Parlor 102 - View to the Northwest



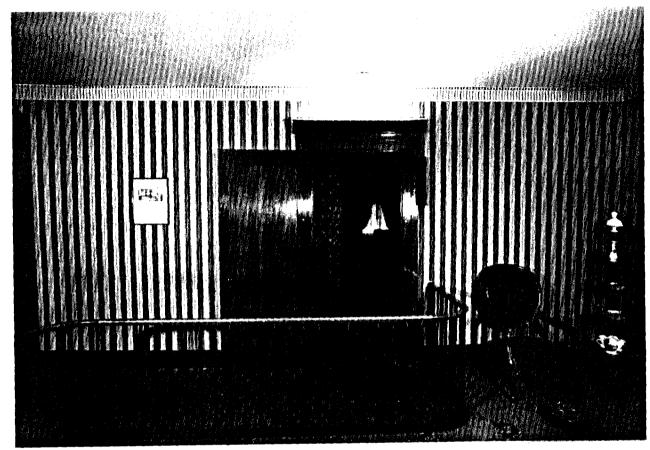
INT - 29

Back Parlor 102 - View to the Southwest



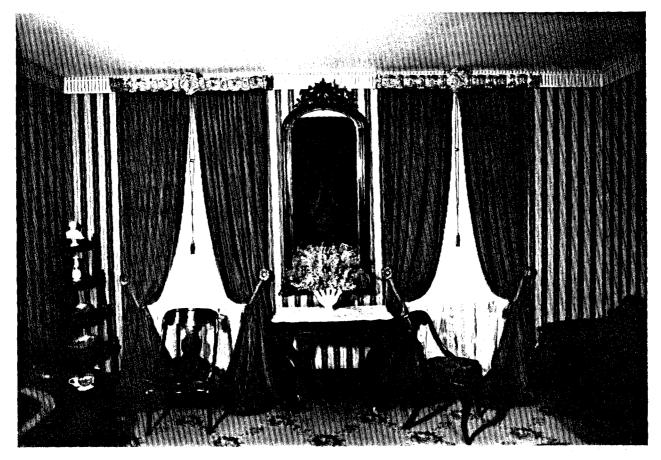
INT - 30

Back Parlor 102 - View to the Northeast



INT - 31

Front Parlor 101 - South Elevation



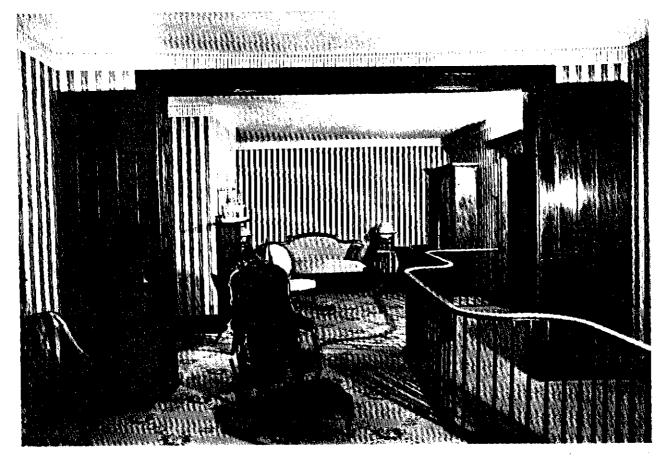
INT - 32

Front Parlor 101 - West Elevation



INT - 33

Front Parlor 101 - North Elevation



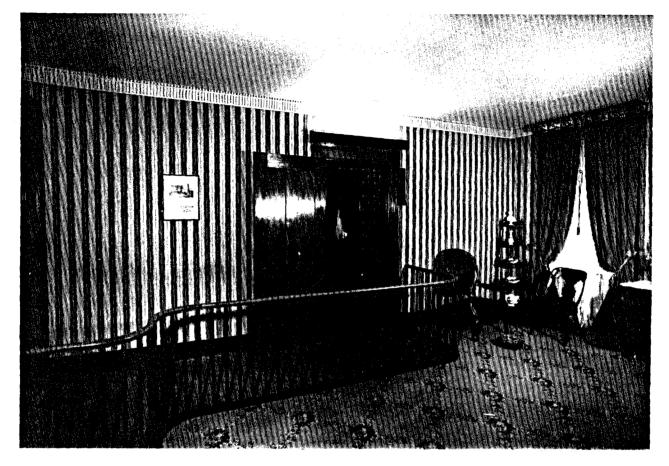
INT - 34

Front Parlor 101 - East Elevation



INT - 35

Front Parlor 101 - View to the Northwest



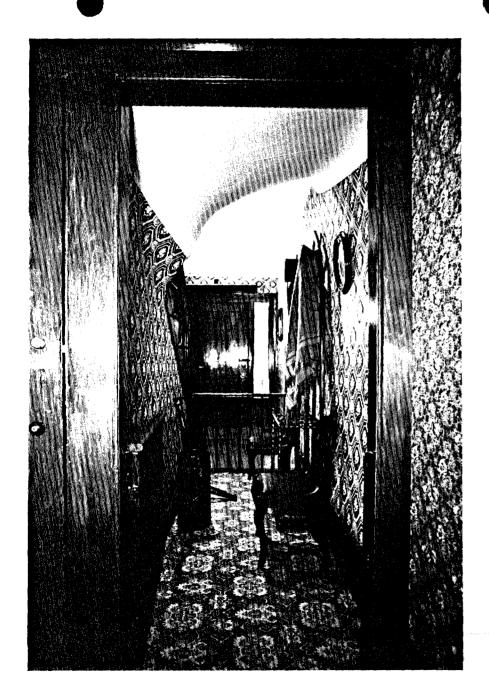
INT - 36

Front Parlor 101 - View to the Southwest



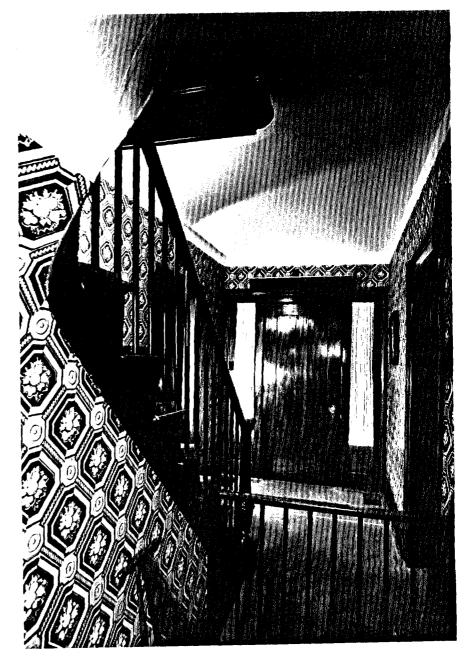
INT - 37

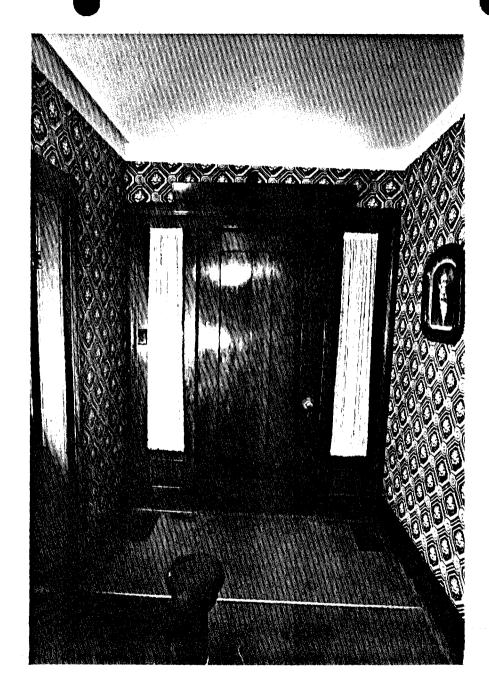
Front Parlor 101 - View to the Northeast



Entrance Hall 100 - View to the West

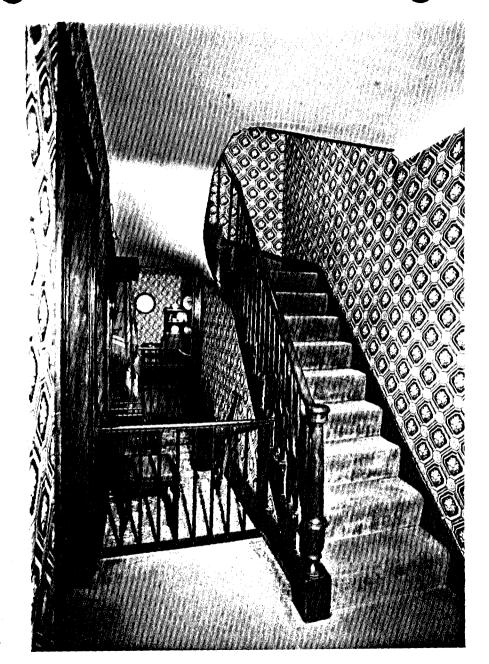
Entrance Hall 100 - View to the Southwest



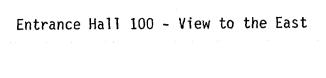


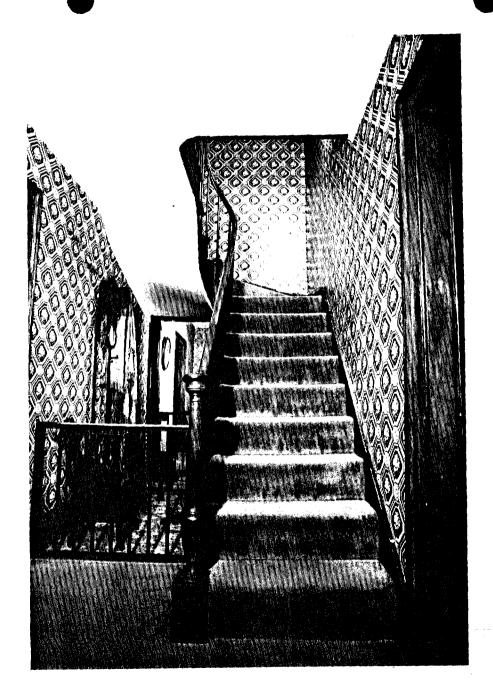
Entrance Hall 100 - West Elevation

Entrance Hall 100 - View to the Southeast



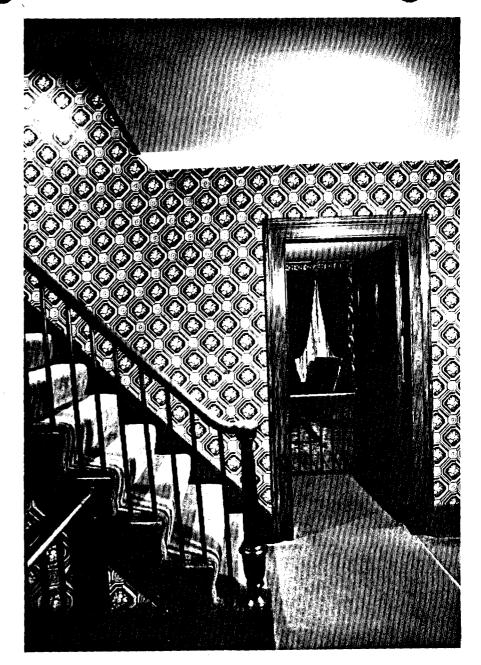
INT - 41

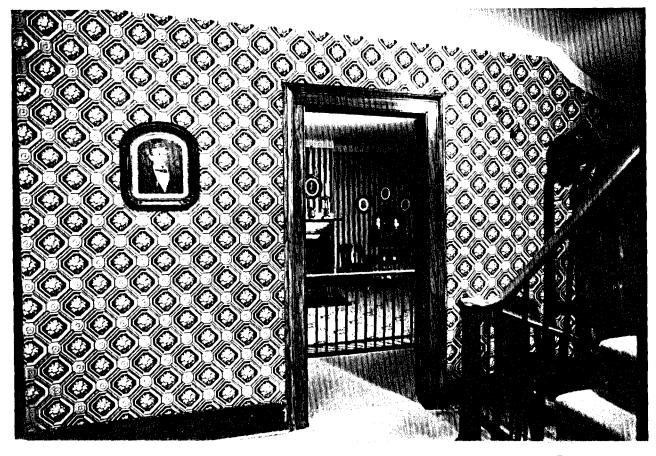




INT - 42

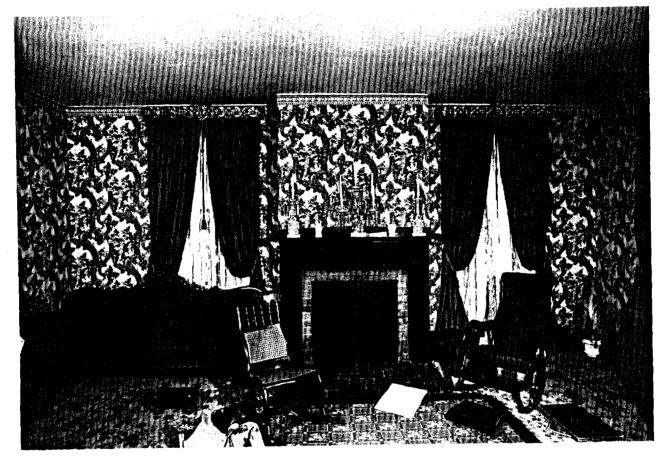
Entrance Hall 100 - View to the South





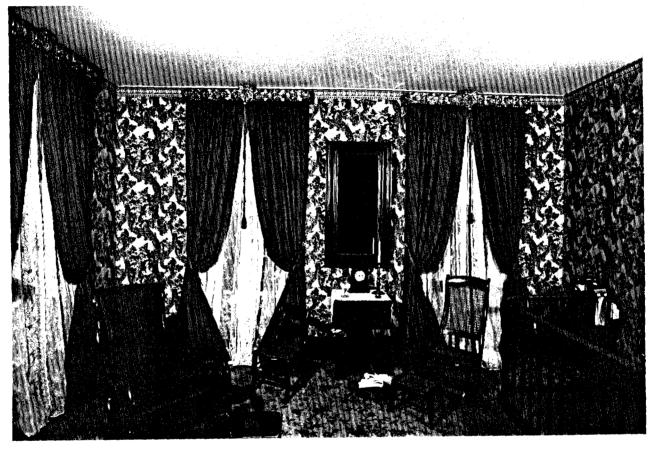
INT - 44

Entrance Hall 100 - View to the North



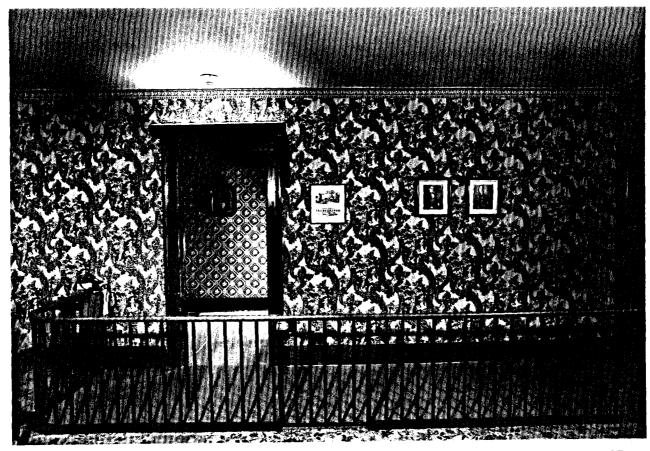
INT - 45

Sitting Room 108 - South Elevation



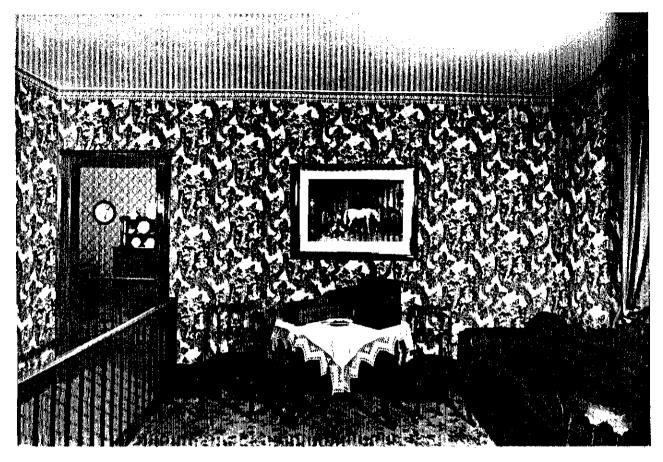
INT - 46

Sitting Room 108 - West Elevation



INT - 47

Sitting Room 108 - North Elevation



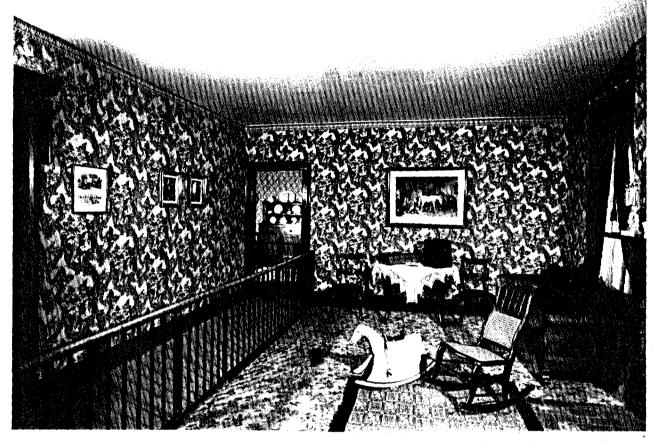
INT - 48

Sitting Room 108 - East Elevation



INT - 49

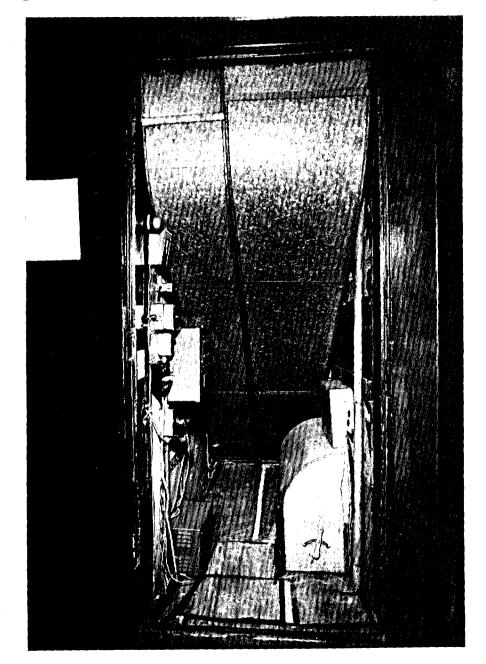
Sitting Room 108 - View to the Southwest

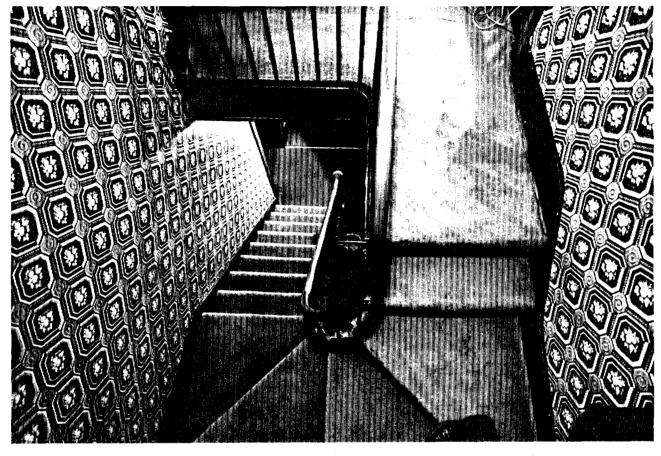


INT - 50

Sitting Room 108 - View to the Northeast

Closet 109 - West Elevation

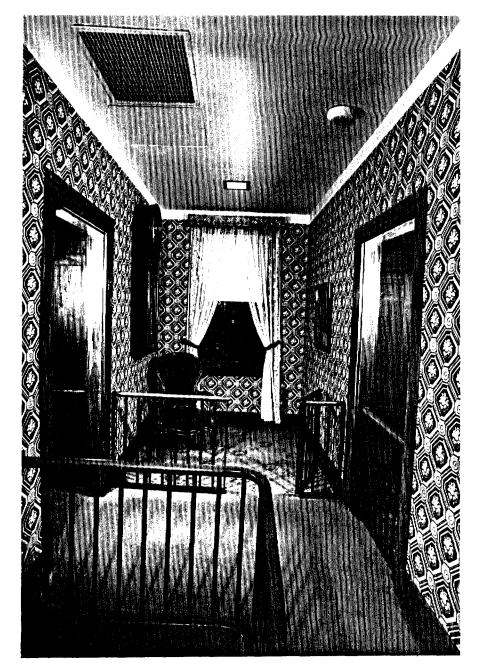




INT - 52

Stair Hall 200 - View to the West (down)

Stair Hall 200 - View to the West (up)



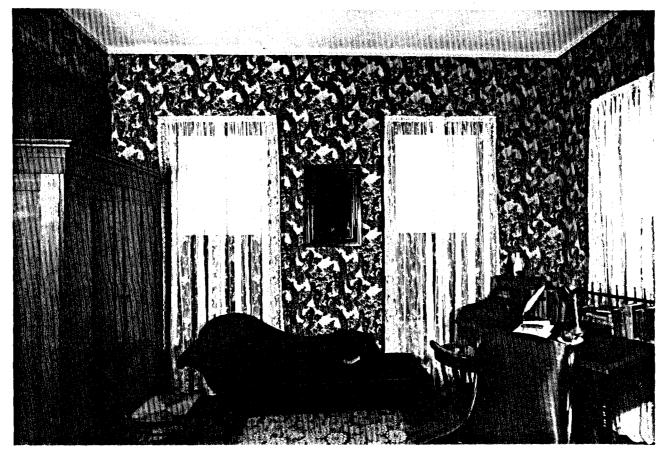


Stair Hall 200 - View to the East



INT - 55

Mr. Lincoln's Bedroom 201 - South Elevation



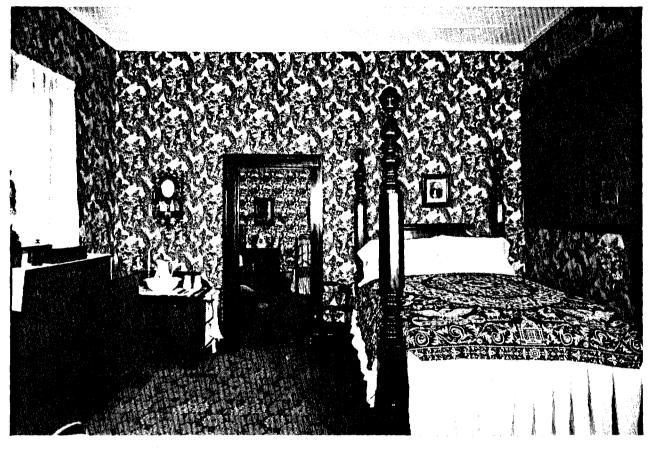
INT - 56

Mr. Lincoln's Bedroom 201 - West Elevation



INT - 57

Mr. Lincoln's Bedroom 201 - North Elevation



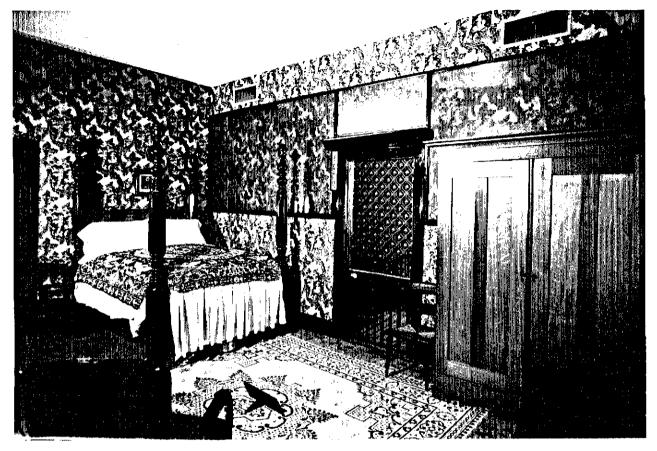
INT - 58

Mr. Lincoln's Bedroom 201 - East Elevation



INT - 59

Mr. Lincoln's Bedroom 201 - View to the Northwest



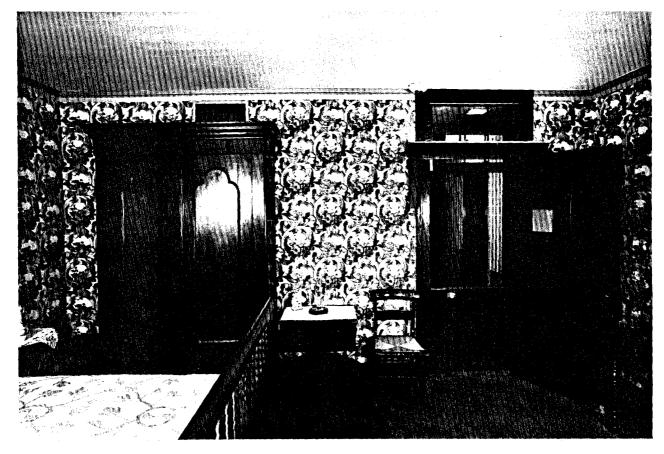
INT - 60

Mr. Lincoln's Bedroom 201 - View to the Southeast



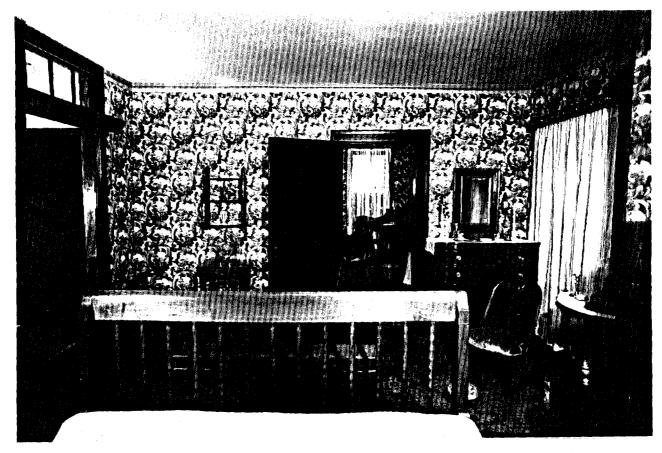
INT - 61

Mr. Lincoln's Bedroom 201 - View to the Northeast



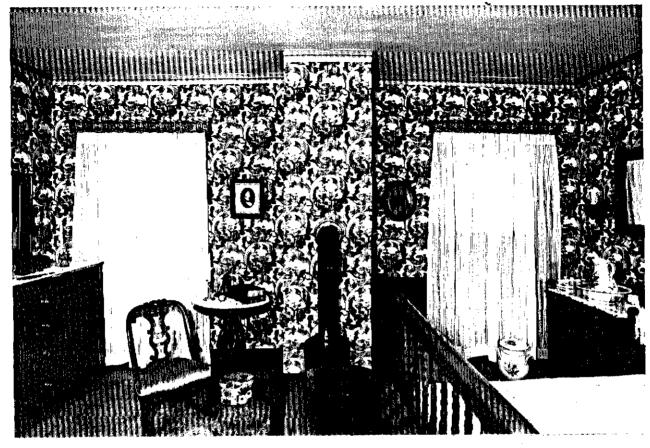
INT - 62

Mrs. Lincoln's Bedroom 202 - South Elevation



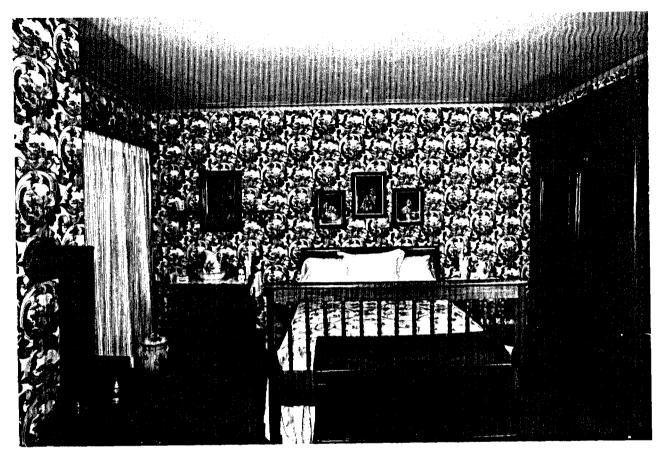
INT - 63

Mrs. Lincoln's Bedroom 202 - West Elevation



INT - 64

Mrs. Lincoln's Bedroom 202 - North Elevation



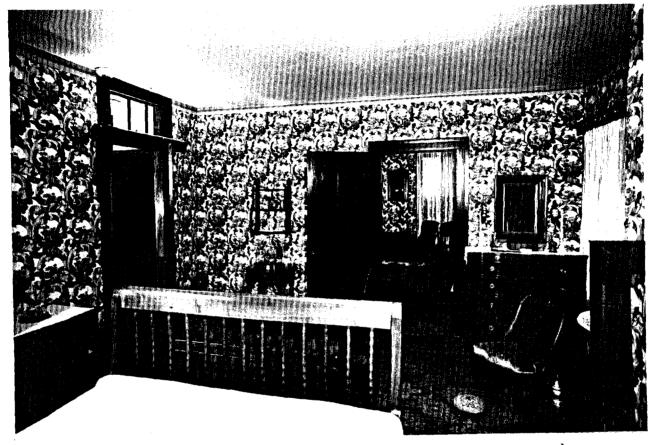
INT - 65

Mrs. Lincoln's Bedroom 202 - East Elevation



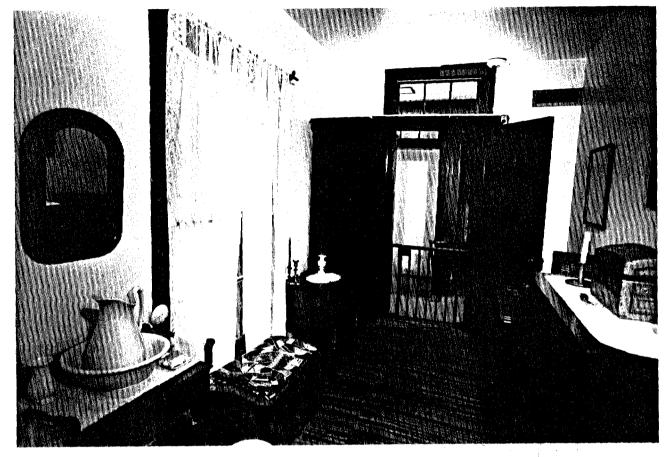
INT - 66

Mrs. Lincoln's Bedroom 202 - View to the Northeast



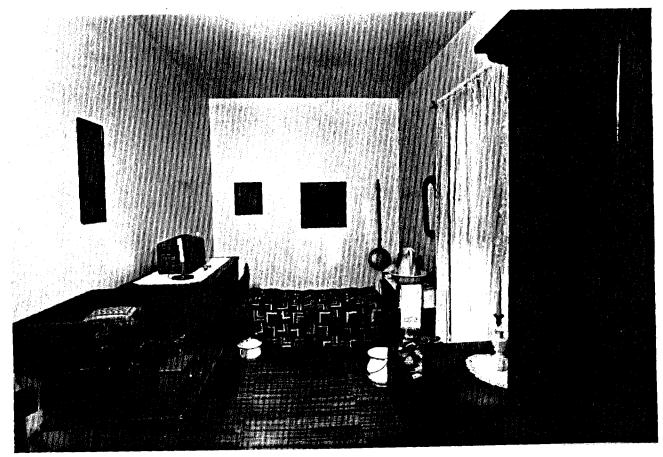
ÌNT - 67

Mrs. Lincoln's Bedroom 202 - View to the Southwest



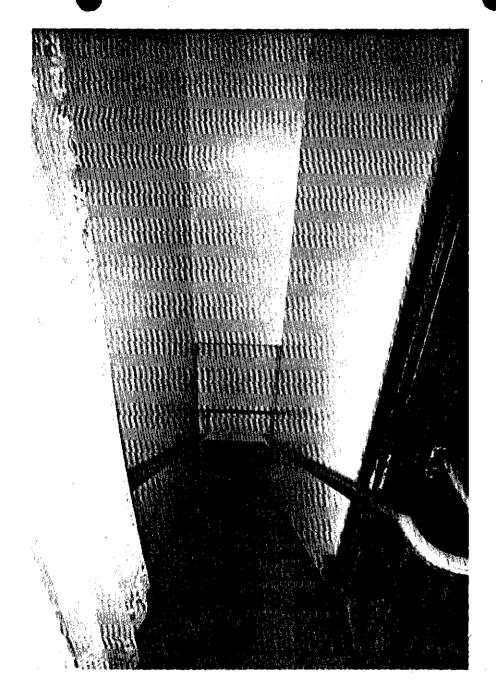
INT - 68

Maid's Bedroom/Sewing Room 203 - View to the South



INT - 69

Maid's Bedroom/Sewing Room 203 - North Elevation



Stair No. 4 - View to the South (down)

Stair No. 4 - View to the North (up)

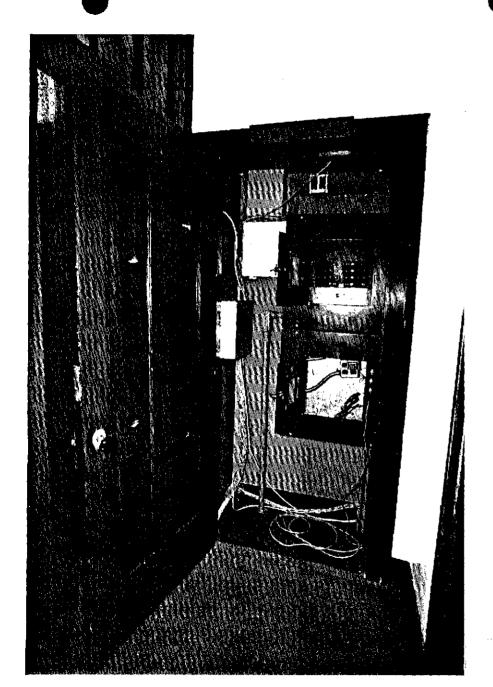




Rear Hall 204 - West Elevation

Rear Hall 204 - East Elevation

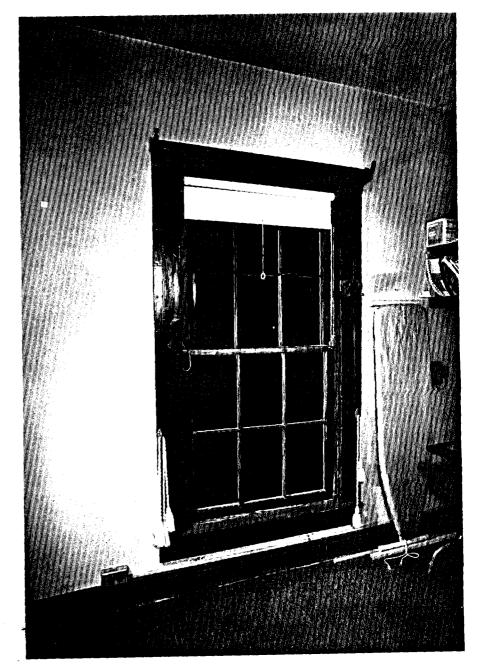


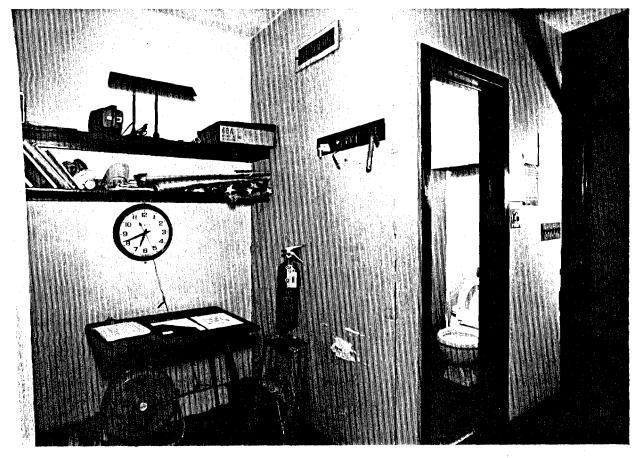


Closet 209 - West Elevation

INT - 74

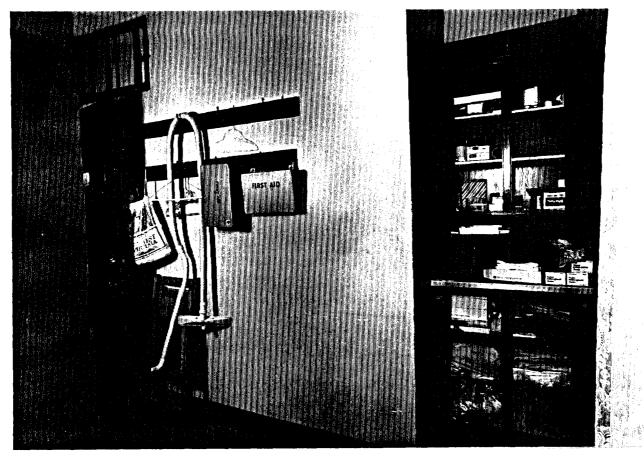
Trunk Room 205 - View to the Southwest





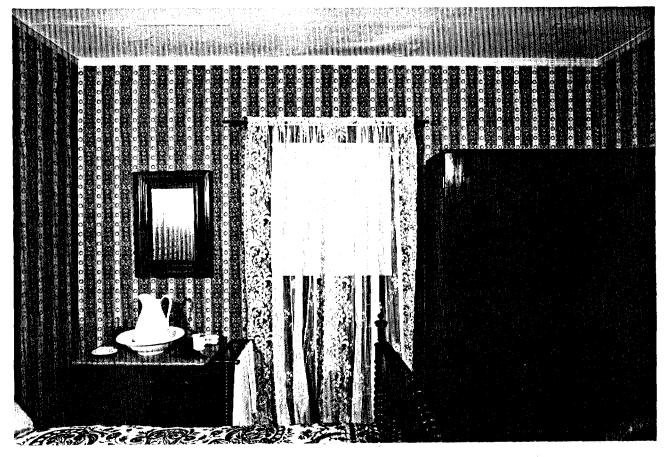
INT - 76

Trunk Room 205 - View to the Northwest



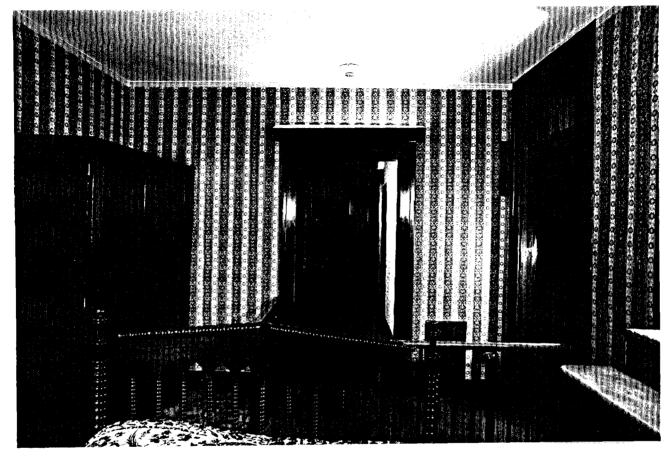
INT - 77

Trunk Room 205 - View to the Northeast



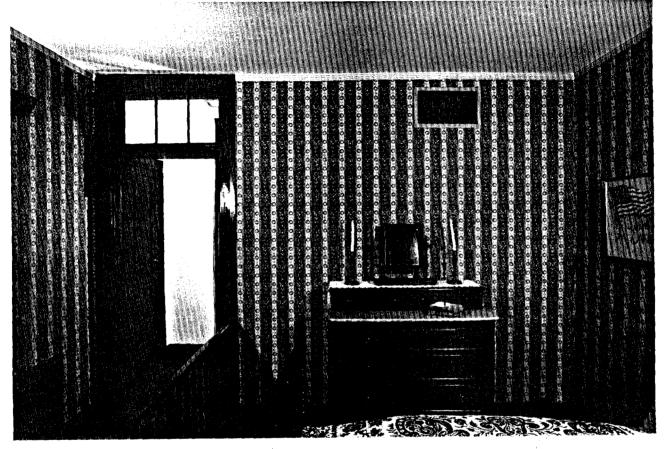
INT - 78

Robert Lincoln's Bedroom 207 - South Elevation



INT - 79

Robert Lincoln's Bedroom 207 - West Elevation



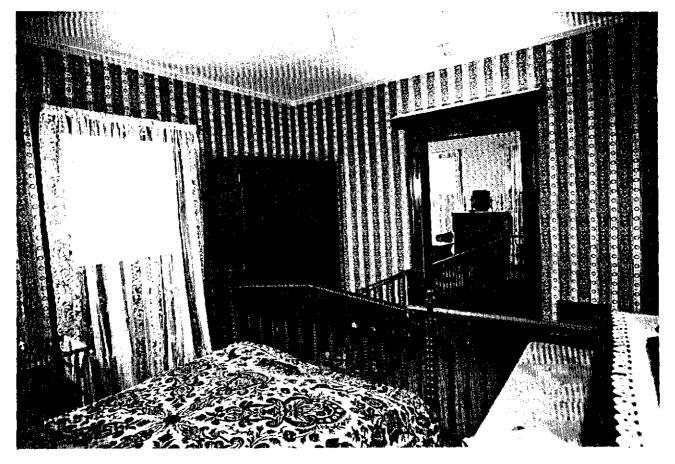
INT - 80

Robert Lincoln's Bedroom 207 - North Elevation



INT - 81

Robert Lincoln's Bedroom 207 - East Elevation



INT - 82

Robert Lincoln's Bedroom 207 - View to the Southwest



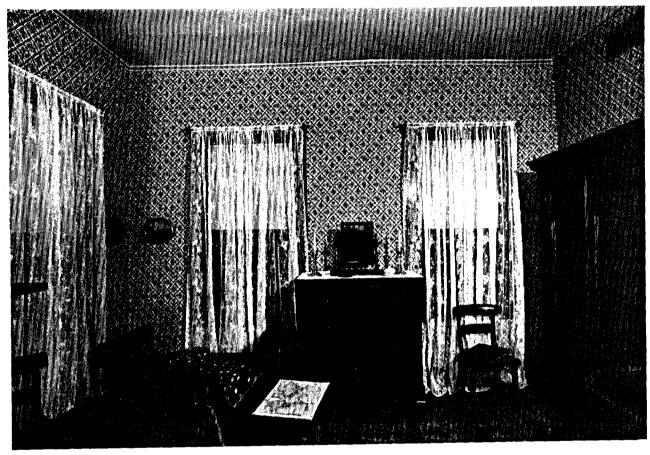
INT - 83

Robert Lincoln's Bedroom 207 - View to the Northeast



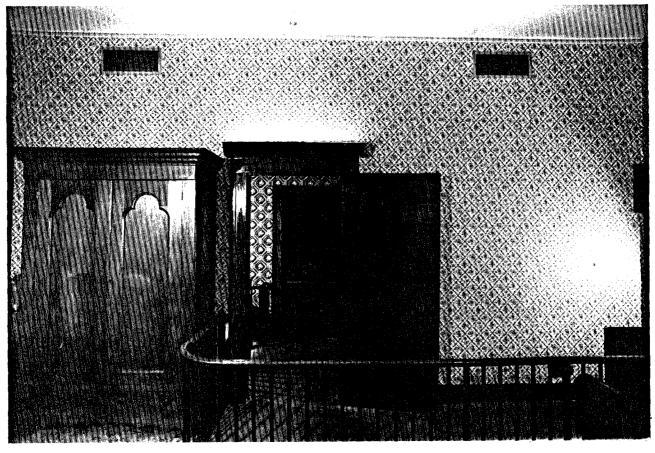
INT - 84

Guest/Boy's Room 208 - South Elevation



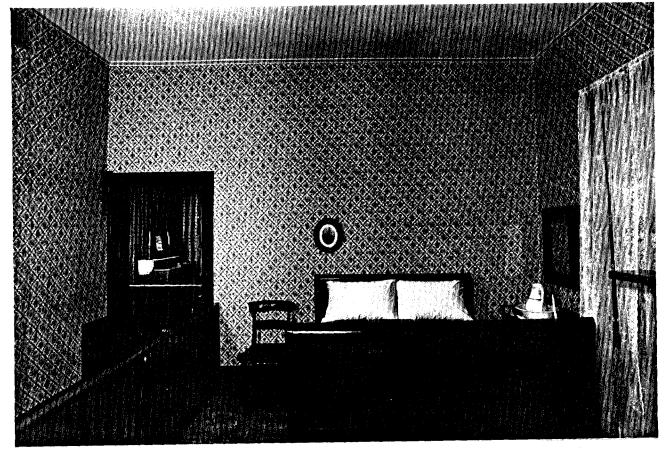
INT - 85

Guest/Boy's Room 208 - West Elevation



INT - 86

Guest/Boy's Room 208 - North Elevation



INT - 87

Guest/Boy's Room 208 - East Elevation



INT - 88

Guest/Boys Bedroom 208 - View to the Southwest



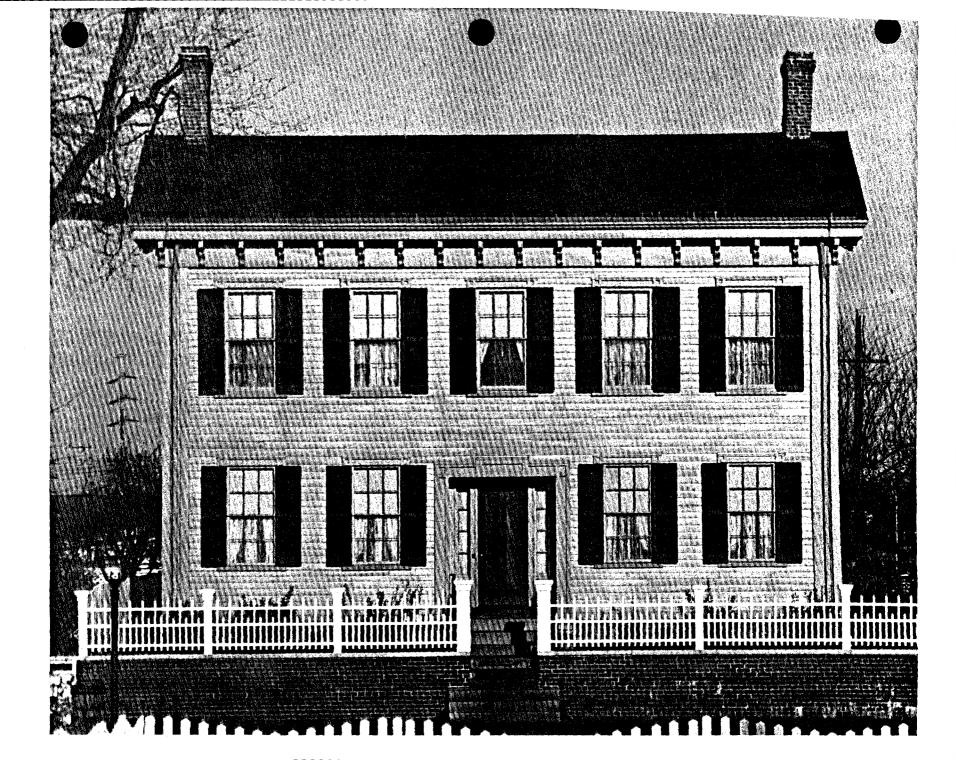
INT - 89

Guest/Boys Bedroom 208 - View to the Northeast

b. Exterior Photographs

The exterior photographs of Lincoln Home and the site are a visual record of the existing conditions in the Spring of 1981.

WEST ELEVATION



SOUTH ELEVATION



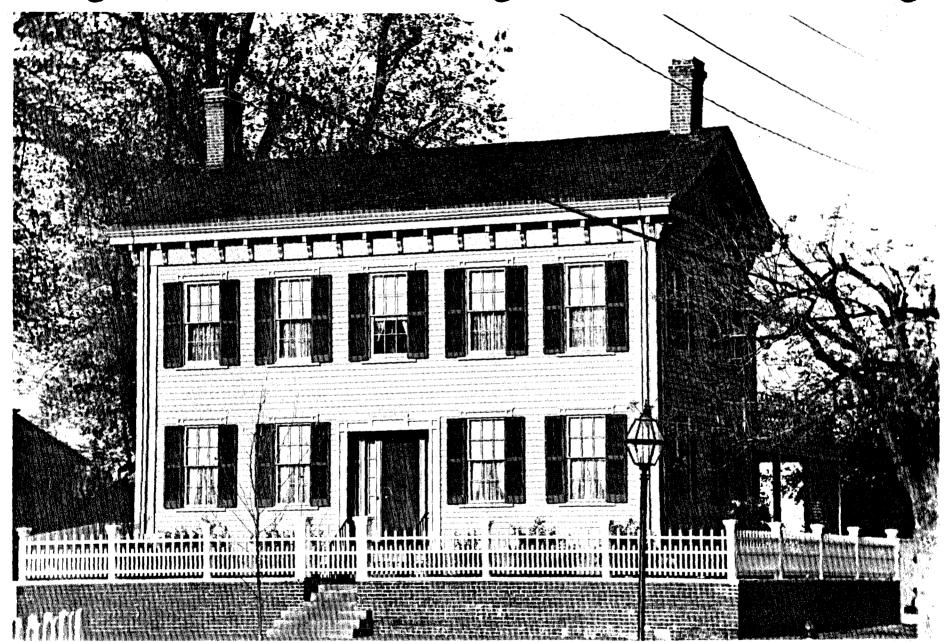
EAST ELEVATION



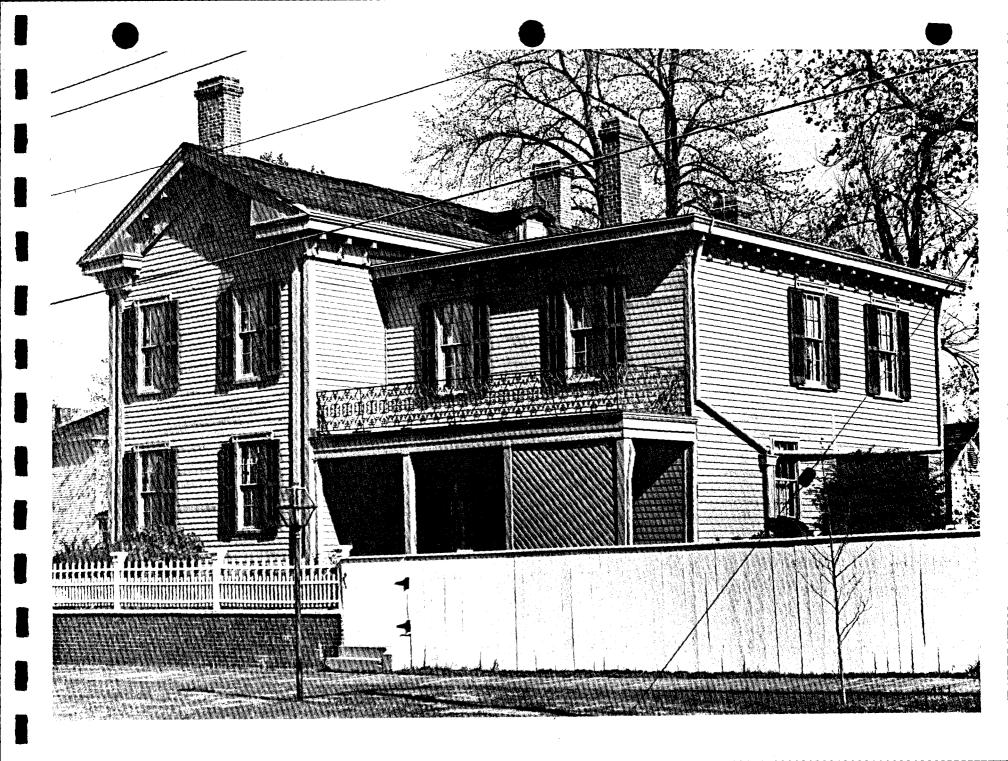
View from NORTHWEST



View from WEST-SOUTHWEST

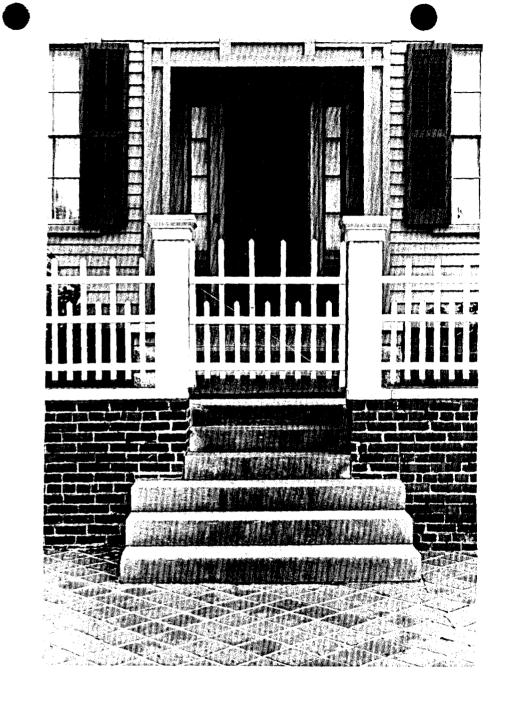


View from SOUTHEAST

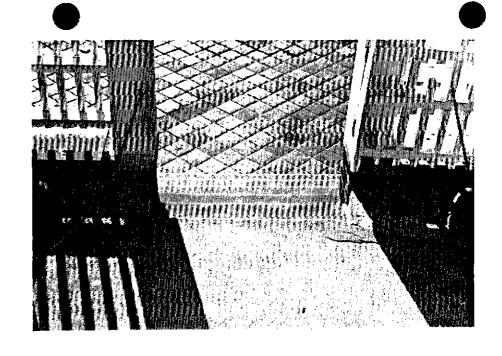


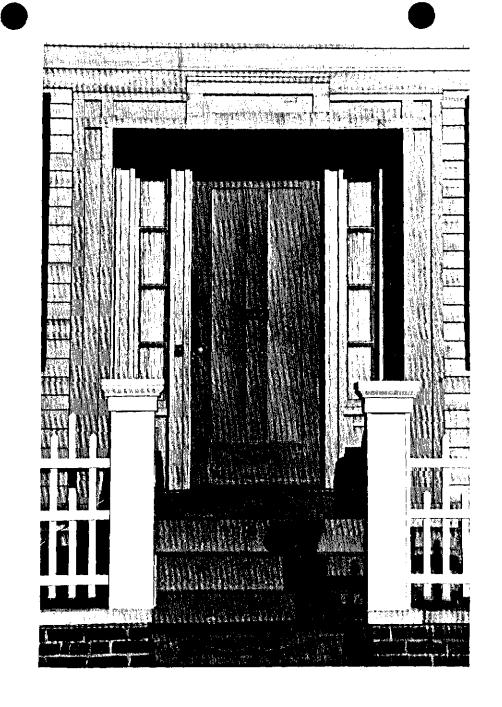
View from NORTHEAST



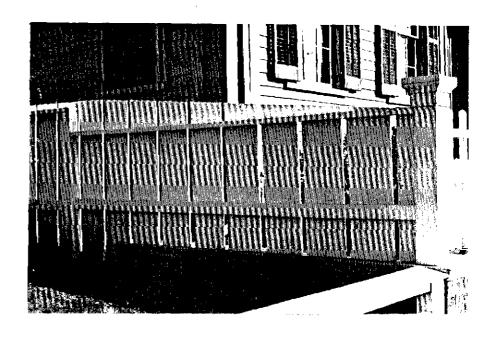


West entry Steps and Gate

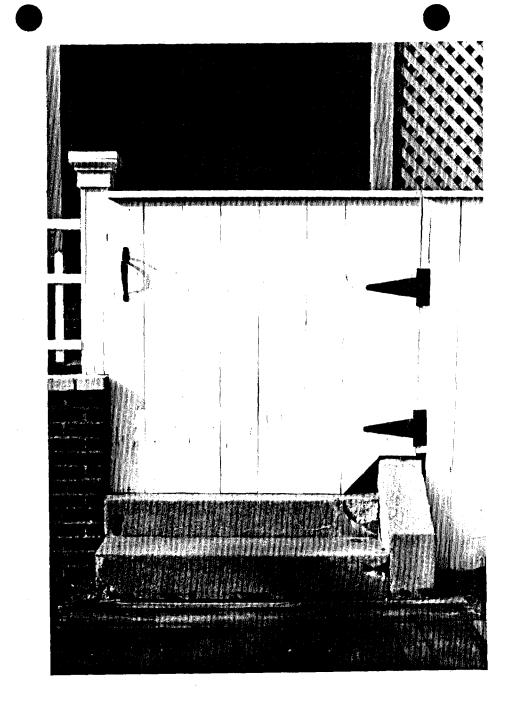




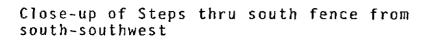
West entry Door



View of northwest Fence from the northwest



South fence entry Gate



419

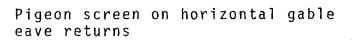
Close-up of Steps thru south fence from north-northwest

South Gable of west roof.

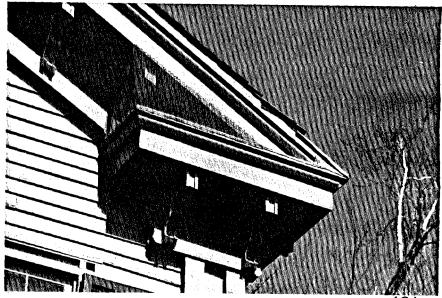


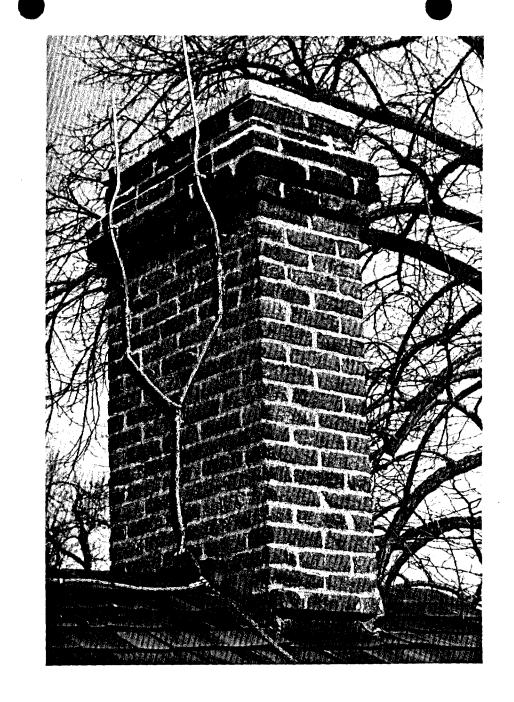


Close-up of Vent in south gable wall 420

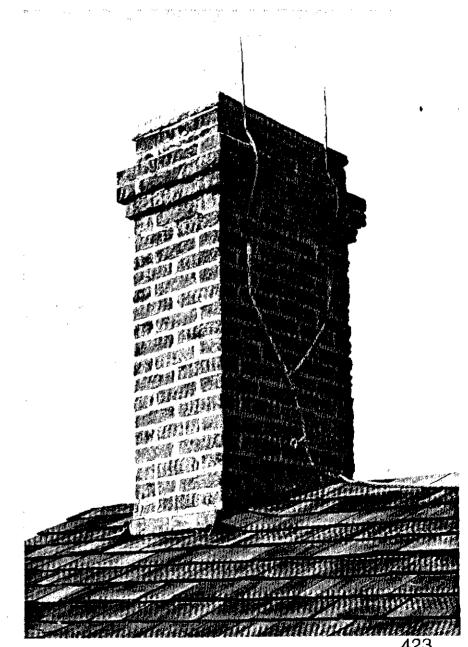




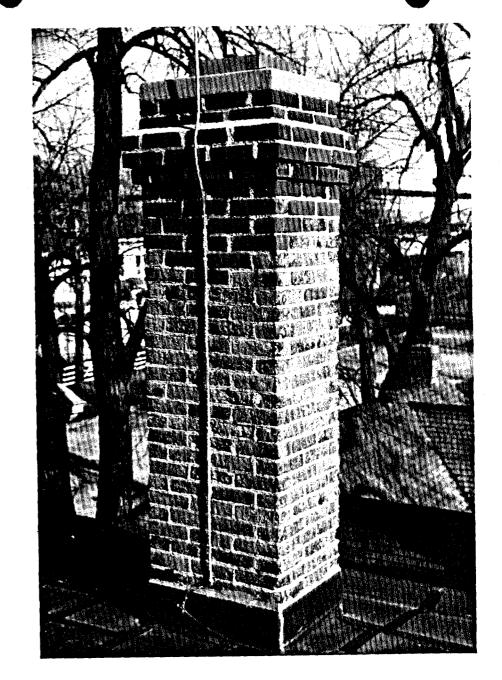




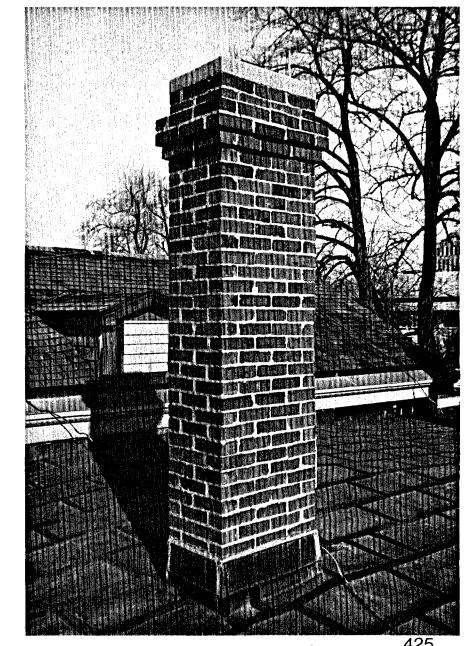
Chimney at north end of west gable roof 422



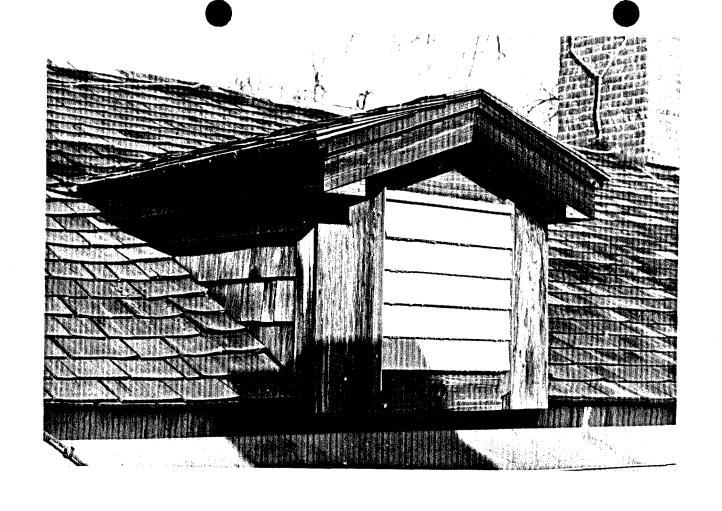
Chimney at south end of west gable roof



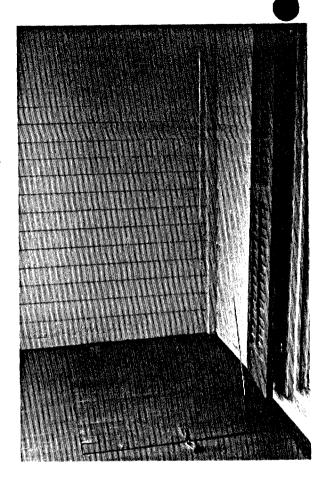
North Chimney on east "flat" roof



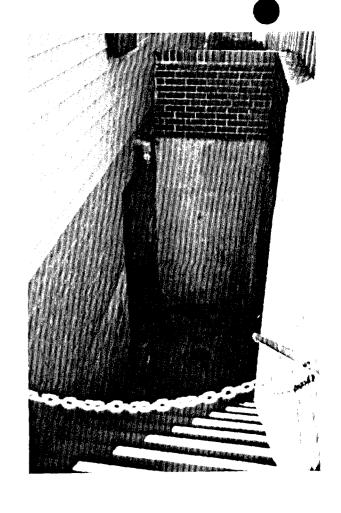
South Chimney on east "flat" roof



Dormer for air exhaust on east slope of west gable roof



Lift-up Door in floor of South Porch, 106 - access to basement

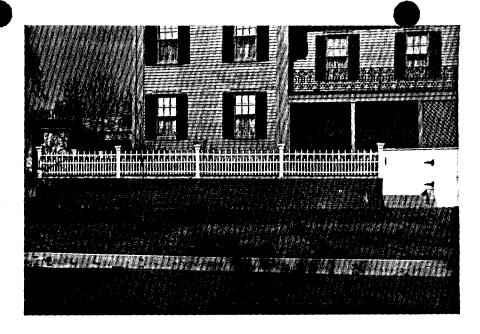


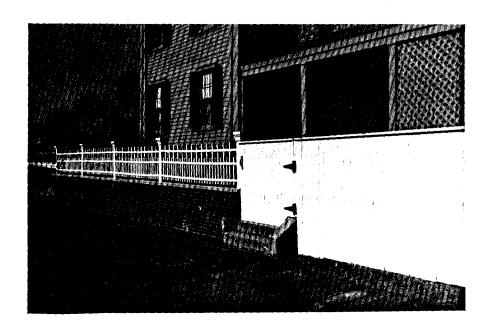
Stair, No. 2, down to Furnace Room, B-3, at northeast corner of building



Corner of brick wall around Stair No. 2

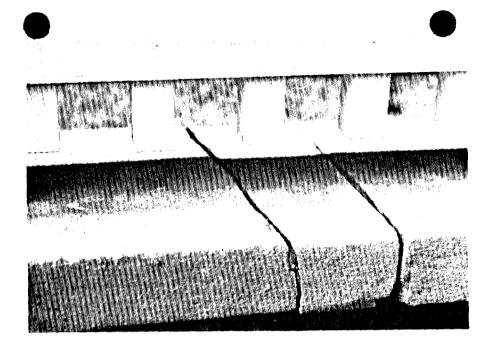
Elevation of south Fence (west end)

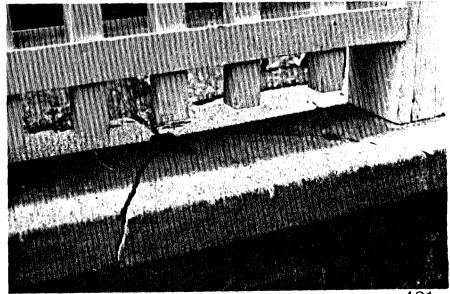




View of south Fence from southeast

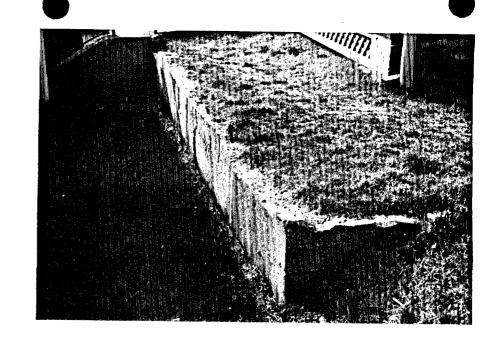
Cracks in coping on top of south brick wall



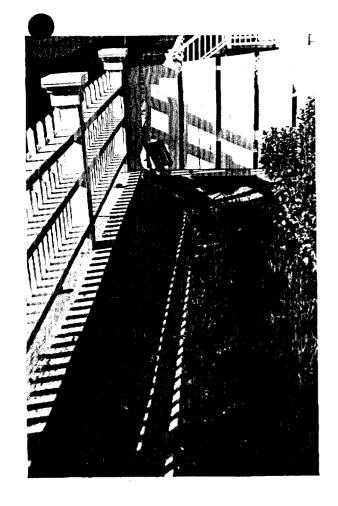


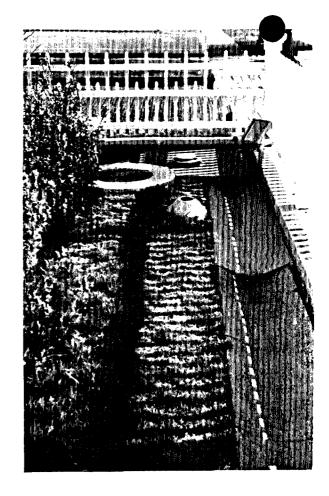


View of south Fence (east end) from the west



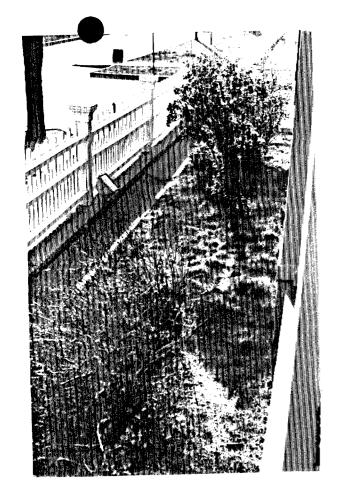
Concrete retaining wall in the south yard

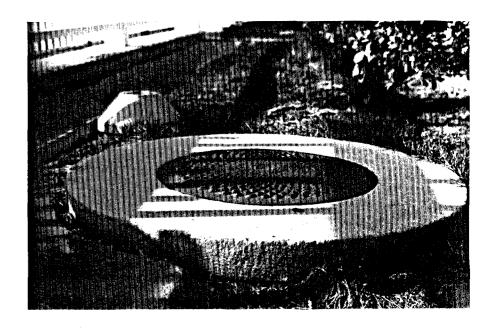




View of west yard (north end) from west entry

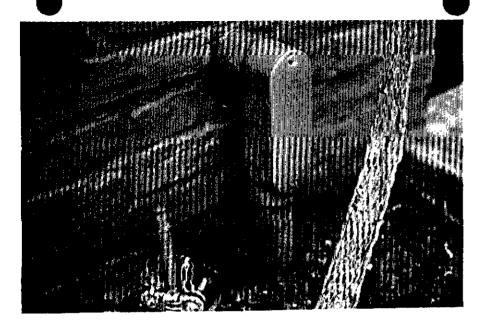
View of west yard (south end) from west entry





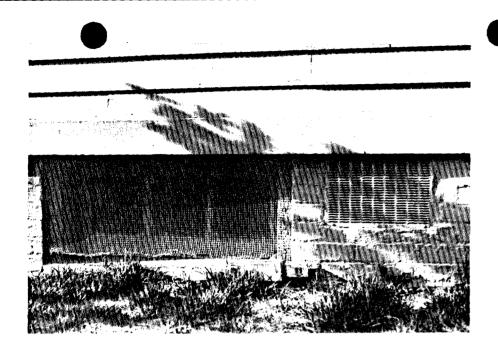
View of south yard (west end) from south entry

View of southwest corner of yard from the south

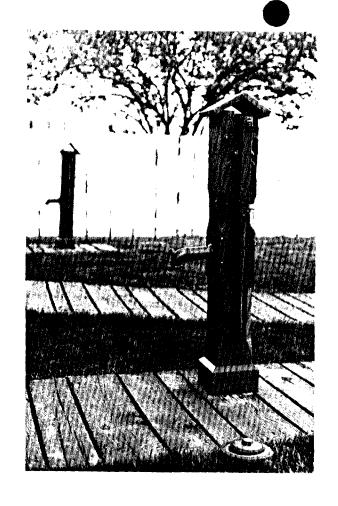




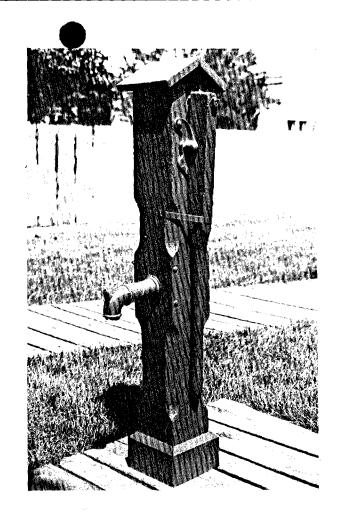
View of east foundation wall - electrical View of east foundation wall - hose bibb conduit

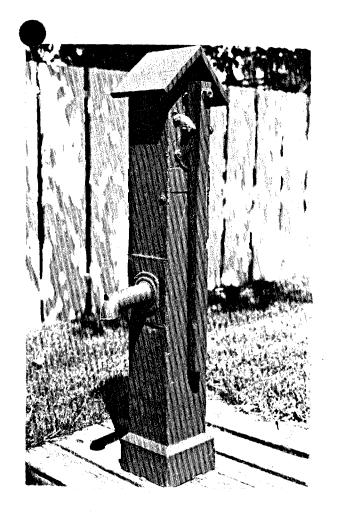


View of south foundation wall - basement window



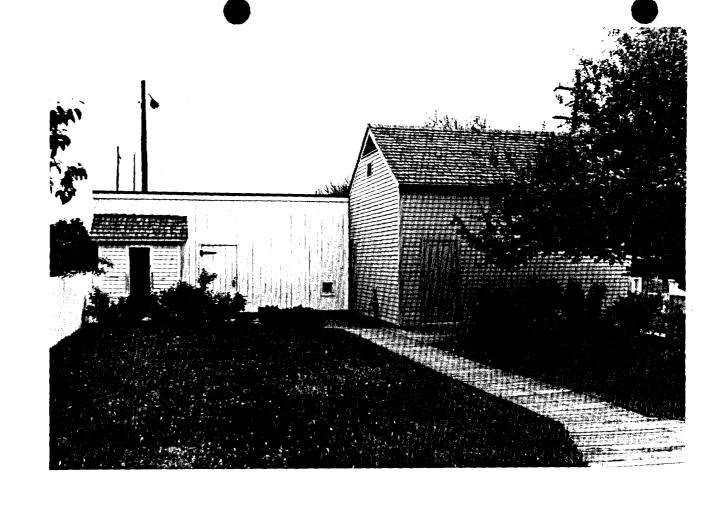
View of Water Pumps from the south



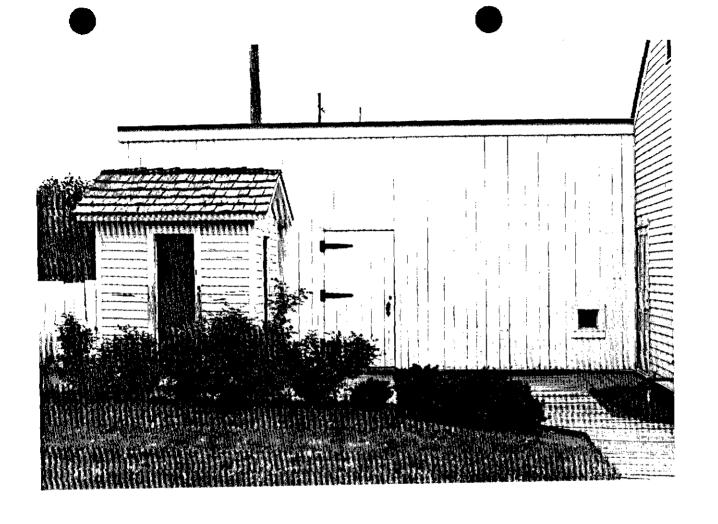


View of south Pump from southwest

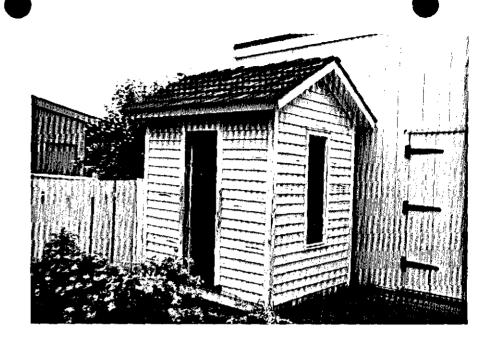
View of north Pump from southwest



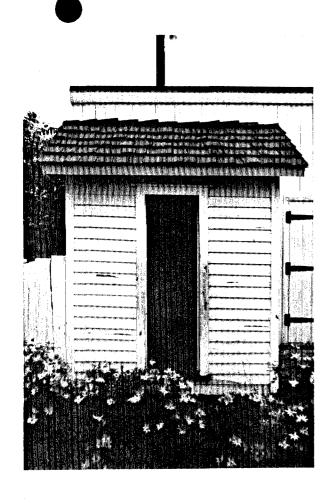
View of Outbuildings from west



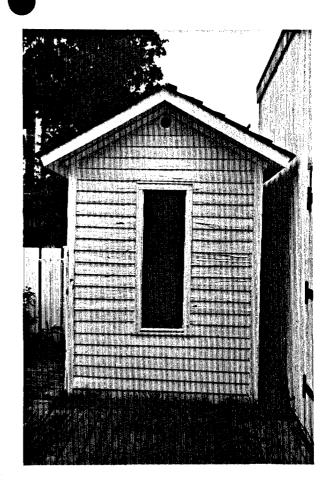
View of Wood Shed from west



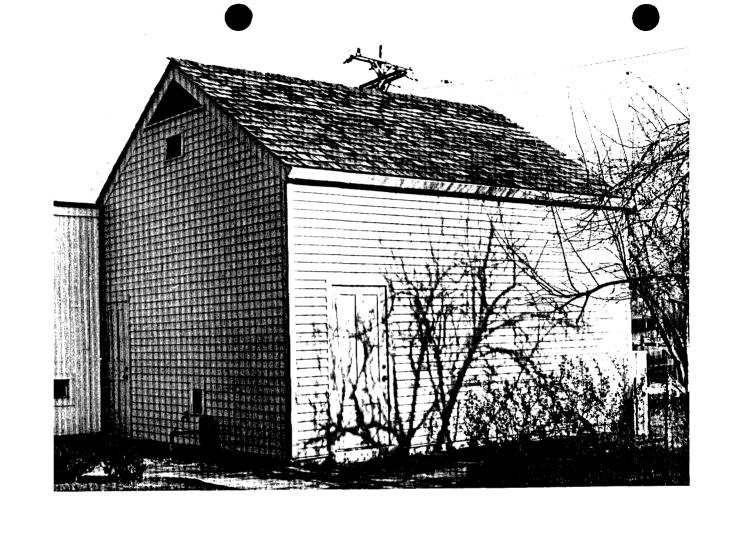
View of Privy from southwest



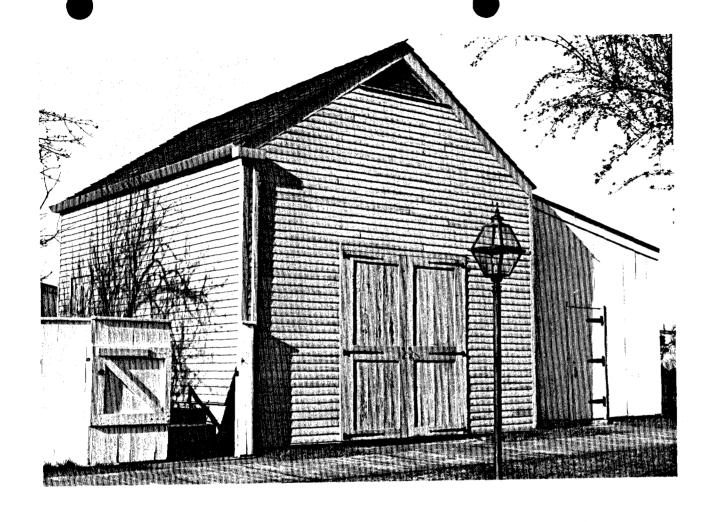
West Elevation of Privy



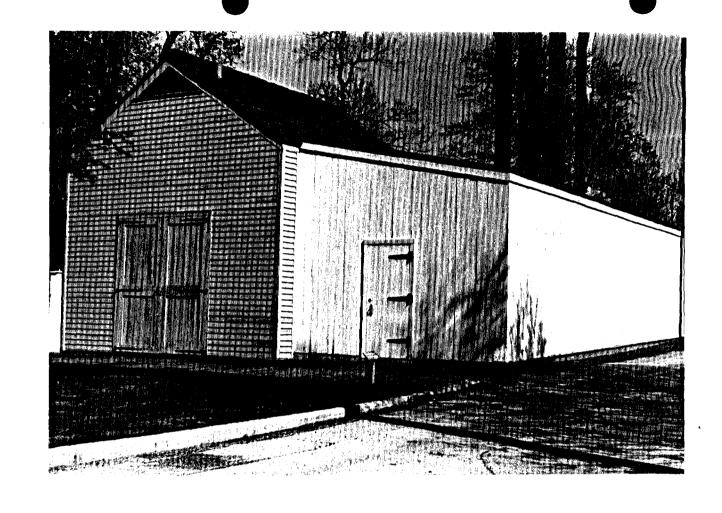
South Elevation of Privy



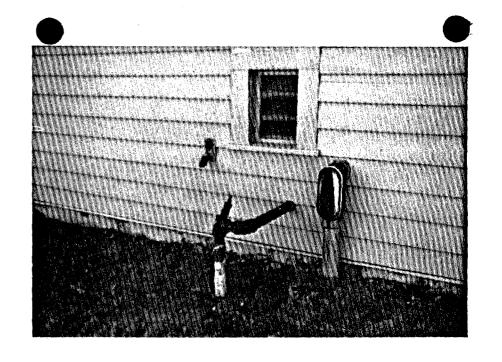
View of Carriage House from northwest



View of Carriage House from southwest



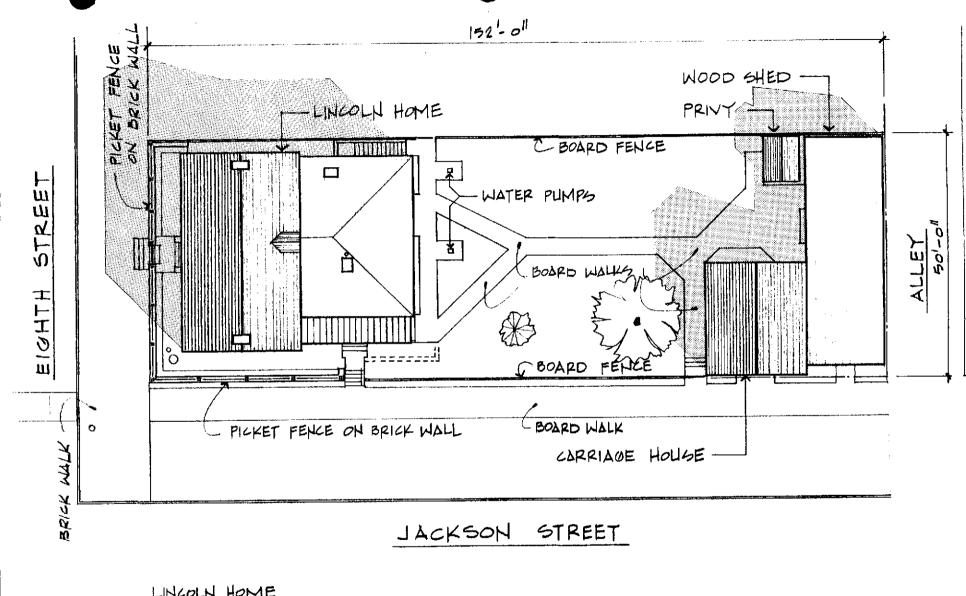
View of Carriage House and Wood Shed from southeast



Close-up of vent and miscellaneous items on north wall of Carriage House

8. Site Plan

In order to facilitate the reader in understanding the location of improvements to the site, a Site Plan has been drawn on the following page. The improvements are accurately located, as per the current information available, but some inaccuracies exist in the structures.



SITE PLAN · 1980



CONTINUED IN VOLUME II

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