

PLAN No.

137

Original

City of Buildings, 123 8

APPLICATION TO ALTER, REPAIR, ETC.

1

Application is hereby made to alter as per subjoined detailed statement of specification for Alterations, Additions or Repairs to buildings already erected, and we herewith submit Plans and Drawings of such proposed alterations; and we do hereby agree that the provisions of the Building Law will be complied with, whether the same are specified herein or not.

(Sign here)

Burger & Baylies
architectsNEW YORK, February 2^d 1886

1. State how many buildings to be altered, one
2. What is the street or avenue and the number thereof, 93 St Marks Place
3. How much will the alteration cost, \$ 1000⁰⁰

GIVE THE FOLLOWING INFORMATION AS TO THE PRESENT BUILDING:

1. Size of lot on which it is located, No. feet front, 27.8; feet rear, 27.8; feet deep, 11.3
2. Size of building, No. of feet front, 27.8; feet rear, 27.8; feet deep, 55.3; No. of stories in height, Two ^{extension 15.8 wide and 27.2 deep}
3. Material of building, Brick; material of front, Brick
4. Whether roof is peak, flat, or mansard, Main building Peak, Extension Flat
5. Depth of foundation walls, 10 feet; thickness of foundation walls, 24; materials of foundation walls, Stone
6. Thickness of upper walls, 12 inches. Material of upper walls, Brick
7. Whether independent or party walls, Party
8. How the building is occupied, Dwelling

IF TO BE RAISED OR BUILT UPON, GIVE THE FOLLOWING INFORMATION:

1. How many stories will the building be when raised?
2. How high will the building be when raised?
3. Will the roof be flat, peak, or mansard?
4. What will be the thickness of wall of additional stories? story, inches; story, inches.
5. Give size and material of floor beams of additional stories; 1st tier, x; 2d tier, x. Distance from centres on tier, inches; tier, inches.
6. How will the building be occupied?

IF TO BE EXTENDED ON ANY SIDE, GIVE THE FOLLOWING INFORMATION:

1. Size of extension, No. feet front, 15.8; feet rear, 15.8; feet deep, 17.6; No. of stories in height, Two; No. of feet in height, 31 ft 8"
2. What will be the material of foundation walls of extension, Brick in cement. What will be the depth, 4 feet. What will be the thickness, 16 inches.
3. Will foundation be laid on earth, rock, timber or piles, Earth

IF TO BE EXTENDED ON ANY SIDE, GIVE THE FOLLOWING INFORMATION :

4. What will be the base—stone or concrete? Stone If base stones, give size, and how laid
24" x 36" x 8" thick crosswise. If concrete, give thickness, _____
5. What will be the sizes of piers? _____
6. What will be the thickness of upper walls in 1st story, ^{basement 16"} 12 inches; 2d story, 12 inches
3d story, _____ inches; from thence to top, _____ inches; and of what materials to be
constructed, brick in line and sand mortar
7. Whether independent or party walls; if party walls, give thickness thereof, independent inches.
8. With what material will walls be coped? Blue stone
9. What will be the materials of front? Brick If of stone, what kind _____
Give thickness of front ashlar, _____, and thickness of backing thereof, _____
10. Will the roof be flat, peak, or mansard? Flat
11. What will be the materials of roofing? Tin
12. Give size and material of floor beams, 1st tier, Spruce, 3 x 10; 2d tier, Spruce
3 x 10; 3d tier, Spruce, 3 x 10; 4th tier, _____, _____ x _____; 5th tier,
_____, _____ x _____; 6th tier, _____, _____ x _____; roof tier, Spruce
3 x 10. State distance from centres on 1st tier, 16 inches; 2d tier, 16 inches; 3d tier,
16 inches; 4th tier, _____ inches; 5th tier, _____ inches; 6th tier, _____ inches;
roof tier, 18 inches.
13. If floors are to be supported by columns and girders, give the following information : Size and material
of girders under 1st floor, _____, _____ x _____ under upper floors, _____
_____. Size and material of columns under 1st floor,
_____ under upper floors, _____
14. If the front, rear or side walls are to be supported, in whole or in part, by iron girders or lintels, give
definite particulars. _____

15. If girders are to be supported by brick piers and columns, state the size of piers and columns.

16. How will the extension be connected with present or main building? with doors connecting
with the halls of main building

17. How will the extension be occupied? If for dwelling purposes, state how many families are to occupy
each floor. Dwelling in 1st story and Sewing room 2^d story

IF ALTERED INTERNALLY, GIVE DEFINITE PARTICULARS AND STATE HOW THE
BUILDING WILL BE OCCUPIED :

There is to be a staircase erected on the outside of the extension to be constructed
entirely of iron, viz iron strings, treads and railing

IF THE FRONT, REAR, OR SIDE WALLS, OR ANY PORTION THEREOF, ARE TO BE
TAKEN OUT AND REBUILT, GIVE DEFINITE PARTICULARS, AND STATE IN
WHAT MANNER :

Owner, Leopold Adler Address, 93 St Marks Place
Architect, Bergen & Baylies Address, 52 Bible House
Mason, _____ Address, _____
Carpenter, _____ Address, _____

REPORT UPON APPLICATION.

Fire Department City of New York,

BUREAU OF INSPECTION OF BUILDINGS.

NEW YORK, Feb 5 188 6

To the Superintendent of Buildings.

I respectfully report that I have thoroughly examined the foregoing-described ^{Main} building, and find the same to be built of Brick, 59 feet in height, 27 feet front, 55 feet deep, Flat roof. I have thoroughly examined and measured the walls, and find the foundation walls to be built of Stone 24 inches thick; the upper walls are built of Brick 12" thick and that the mortar in said walls is Good and that all the walls are good.

(The Inspector must here state what defects, if any, are in the walls, beams or other part of the building.)

There are no defects in New Building or Extension
The New Extension is built of Brick 15' 8" front & rear 27' 3"
Deep 31' high. Foundation Stone 20" thick upper walls 12"
8" the top string of Extension is 8"
Occupied as a book store & printing

John Hayes Inspector.

THE BUILDING LAW REQUIRES

- 1st.—All stone walls must be properly bonded.
- 2d.—All skylights, over 3 feet square, must be of iron and glass.
- 3d.—All buildings over 2 stories or above 25 feet in height, *except dwellings and churches*, on streets less than 30 feet wide, must have iron shutters on *every* window and opening above the 1st story. The front windows on streets over 30 feet wide are exempted.
- 4th.—Outside fire escapes are required on all dwelling houses over two stories in height, occupied or built to be occupied by two or more families on any floor above the first, and on office buildings, hotels, lodging houses and factories; and *the balconies of such fire escapes must take in one window of each suite of apartments*, all to be constructed as follows:

BRACKETS must not be less than $\frac{1}{4} \times 1\frac{3}{4}$ inches wrought iron, placed edgewise, or $1\frac{3}{4}$ inch angle iron, well braced, and not more than three feet apart, and the braces to brackets must be not less than $\frac{3}{4}$ -inch square wrought iron, and must extend two-thirds of the width of the respective brackets or balconies. In all cases the brackets must go through the wall, and be turned down three inches.

BRACKETS ON NEW BUILDINGS must be set as the walls are being built. When brackets are to be put up on old houses, the part going through the wall shall not be less than one inch diameter, with screw nuts and washers not less than five inches square and $\frac{1}{2}$ inch thick.

TOP RAILS.—The top rail of balcony must be $1\frac{3}{4}$ -inch \times $\frac{3}{4}$ -inch wrought iron, and in all cases must go through the walls, and be secured by nuts and 4-inch square washers, at least $\frac{3}{8}$ inch thick, and no top rail shall be connected at angles by the use of cast iron.

BOTTOM RAILS.—Bottom rails must be $1\frac{3}{4}$ -inch \times $\frac{3}{4}$ -inch wrought iron, well leaded into the wall. In frame buildings the top rails must go through the stud ding and be secured on the inside by washers and nuts as above.

FILLING-IN BARS.—The filling-in bars must be not less than $\frac{1}{2}$ -inch round or square wrought iron, placed not more than 6 inches from centres, and well riveted to the top and bottom rails.

STAIRS.—The stairs in all cases must be not less than 18 inches wide, and constructed of $\frac{1}{4} \times 3\frac{3}{4}$ inch wrought iron sides or strings. Steps may be of cast iron of the same width of strings, or $\frac{3}{8}$ -inch round iron, double rungs, and well riveted to the strings. The stairs must be secured to a bracket on top and rest on and be secured to a bracket or extra cross bar at the bottom. All stairs must have a $\frac{3}{4}$ -inch hand rail of wrought iron, well braced.

FLOORS.—The flooring of balconies must be of wrought iron $1\frac{1}{4} \times \frac{3}{4}$ inch slats placed not over $1\frac{1}{4}$ inches apart, and secured to iron battens $1\frac{1}{2} \times \frac{3}{8}$ inch, not over three feet apart and riveted at the intersection. The openings for stairways in all balconies shall not be less than 20 inches wide and 36 inches long, and have no covers.

DROP LADDERS.—Drop ladders from lower balconies where required shall not be less than 14 inches wide, and shall be made of $1\frac{1}{2} \times \frac{3}{8}$ inch sides and $\frac{5}{8}$ -inch rungs of wrought iron. In no case shall a drop ladder be more than 12 feet in length. In no case shall the ends of balconies extend more than nine inches over the brackets.

SCUTTLE LADDERS.—Ladders to scuttles shall be constructed in all cases the same as the stairs or step-ladders from balconies of fire escapes.

THE HEIGHT OF RAILING around balconies shall not be less than two feet nine inches.

In constructing all balcony fire escapes, the manufacturer thereof shall securely fasten to each balcony in a conspicuous place, a CAST IRON PLATE having suitable raised letters on same, to read as follows:

"NOTICE! ANY PERSON PLACING ANY INCUMBRANCE ON THIS BALCONY IS LIABLE TO A PENALTY OF TEN DOLLARS AND IMPRISONMENT FOR TEN DAYS."

No Fire Escape will be approved by this Bureau if not in accordance with above specifications.

5th.—All walls must be coped with stone or terra cotta. If coped with stone, the stone must not be less than $2\frac{1}{2}$ inches thick; and if with terra cotta, the terra cotta must be made with proper lap joints.

6th.—Roofs must be covered with fire-proof material.

7th.—All cornices must be fire proof.

8th.—All FURNACE FLUES OF DWELLING HOUSES shall have at least eight-inch walls on each side. The inner four inches from the bottom of flue to the top of the second tier of floor beams, shall be built of fire brick laid with fire-clay mortar. No furnace flue shall be of less size than eight inches square, or four inches wide and sixteen inches long, inside measure. When furnace flues are located in the usual chimney stacks, the side of the flue inside of the house to which it belongs may be four inches thick. If preferred, the furnace flues may be made of cast iron or fire-clay pipe of proper size built in the walls, with an air space of not less than one inch between said pipes, and four inches of brick wall on the outside.

All BOILER FLUES must be lined with fire-brick at least fifteen feet in height from the bottom, and in no case shall the walls of said flues be less than eight inches thick.

All flues not built for furnace or boiler flues must be altered to conform to the above requirements before they are used as such.

9th.—No iron beam, lintel, or girder, intended to span an opening over eight feet, or iron post, or column, intended to support a wall of stone or brick, or any floor or part thereof, shall be used for that purpose, *until tested and approved* as provided by law.

Original
Fire Department City of New York,
Bureau of Inspection of Buildings.

DETAILED STATEMENT OF SPECIFICATION
FOR
ALTERATIONS TO BUILDINGS

No. *127* Submitted *Feb 8th* 1886

Madison LOCATION
93 St. Marks Place

Owner *Leopold Adler*

Architect *Burger & Baylies*

Builder

Received by *John Hayes* 1886

Returned by " " " 6 1886

Report *favorable.*
FINAL REPORT.

NEW YORK *July 1* 1886

To the Superintendent of Buildings:

Work was commenced on the within described building on the *23rd* day of *Feb* 1886

and completed on the *30th* day of *June* 1886, and has been done in accordance with the foregoing detailed statement, except as noted below.

John Hayes Inspector.

REMARKS.

9 Dist

Referred to Inspector *July 9* 1886

Returned *John Hayes* 1886

Inspector.

Drawings inside.
New York, *Feb 6* 1886

This is to certify that I have examined the within detailed statement, together with the copy of the plans relating thereto, and find the same ~~to~~ to be in accordance with the provisions of the laws relating to buildings in the City of New York; that the same has been *as* approved, and entered in the records of this Bureau.

St. Deane
Superintendent of Buildings.

February 9. 1886.

Amended that the wall under the basement foundation is to be built 20' of brick

Burger & Baylies
Archts.

per St. Deane
Approved *St. Deane*
Feb 9. 1886 *Supt of Bldg.*

March 1. 1886

Amended that the foundation wall under the Basement can be made

24" of blue stone - that the roof beams of present extension can be taken off and

that new beams 3x9" can be laid from side

wall to sidewall, and that a coping wall 2'0"

high can be put on on the present extension.

Burger & Baylies
per St. Deane

Approved *St. Deane*
March 1. 1886 *Supt of Bldg.*

Foundation wall 24" of stone

FIRE DEPARTMENT, CITY OF NEW YORK.
BUREAU OF INSPECTION OF BUILDINGS.

56

City and County of New York } ss. Plan No. 117 Buildings 1516

I, Leopold Adler Residing at 93 St Marks Place
in the City of New York State of New York
do hereby depose and say that I am the owner
of the premises known and designated as 93 St Marks Place

in the City of New York; and that the work proposed to be done, in accordance with the accompanying plans and specifications upon the said premises is authorized by me, and that

Berger & Baylies, Architects
~~is~~ authorized by me to make application for a permit for the proposed work in my behalf.

And I further depose and say, that no other person or persons than myself, or those hereinafter named, with their several addresses, are in any manner interested in the said work, as owners, executors, administrators or other legal representatives.

Subscribed and sworn to before me, this

day of

February

A. D., 1886

Leopold Adler

John Eickler, Notary Public, N.Y. City & Co.

FIRE DEPARTMENT, CITY OF NEW YORK,
BUREAU OF INSPECTION OF BUILDINGS.

City and County of New York } ss. Plan No. 117 Buildings 1516

I Leopold Adler Residing at 93 St Marks Place
in the City of New York State of New York
do hereby depose and say that I am the owner
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in the City of New York; and that the work proposed to be done, in accordance with the accompanying plans and specifications upon the said premises is authorized by me and that

Berger & Baylies, Architects
~~is~~ authorized by me to make application for a permit for the proposed work in my behalf.

And I further depose and say, that no other person or persons than those hereinafter named, with their several addresses, are in any manner interested in the said work, as owners, executors, administrators or other legal representatives.

Subscribed and sworn to before me this

day of

June

A. D. 1886

Leopold Adler

John Eickler
Notary Public, N.Y. City & Co.

Original

APPLICATION TO ALTER, REPAIR, ETC.

2

Application is hereby made to alter as per subjoined detailed statement of specification for Alterations, Additions or Repairs to buildings already erected, and we herewith submit Plans and Drawings of such proposed alterations; and we do hereby agree that the provisions of the Building Law will be complied with, whether the same are specified herein or not.

NEW YORK, June 25th 1886

(Sign here)

Berger + Baylis
Architects

1. State how many buildings to be altered, one
2. What is the street or avenue and the number thereof? 93 St Marks Place
- 3 How much will the alteration cost, \$ 2500⁰⁰

GIVE THE FOLLOWING INFORMATION AS TO THE PRESENT BUILDING:

1. Size of lot on which it is located, No. feet front, 27.6; feet rear, 27.6; feet deep, 112.10
2. Size of building, No. of feet front, 27.6; feet rear, 27.6; feet deep, 54.2 No. of stories in height, Three ^{and attic}; No. of feet in height, from curb level to highest point of beams, 59.6
3. Material of building, Brick; material of front, Brick
4. Whether roof is peak, flat, or mansard, Peak
5. Depth of foundation walls, 1.0 feet; thickness of foundation walls, 24; materials of foundation walls, Stone
Basement East wall 20" West wall 16"
6. Thickness of upper walls, 12 inches. Material of upper walls, Brick
7. Whether independent or party walls, Party
8. How the building is occupied, Dwelling

IF TO BE RAISED OR BUILT UPON, GIVE THE FOLLOWING INFORMATION:

1. How many stories will the building be when raised? Four It is proposed to alter the peak roof into a flat roof, East wall is already built to the required height
2. How high will the building be when raised? 57.10
3. Will the roof be flat, peak, or mansard? Flat
4. What will be the thickness of wall of additional stories? 4th story, 12 inches; story, _____ inches.
- 5 Give size and material of floor beams of additional stories; _____ 1st tier, _____ x _____; Roof tier; Spurces, 3 x 12. Distance from centres on _____ tier, _____ inches; Roof tier, 16 inches.
6. How will the building be occupied? Dwelling

IF TO BE EXTENDED ON ANY SIDE, GIVE THE FOLLOWING INFORMATION:

1. Size of extension, No. feet front, _____; feet rear, _____; feet deep, _____; No. of stories in height, _____; No. of feet in height, _____.
2. What will be the material of foundation walls of extension, _____. What will be the depth _____ feet. What will be the thickness, _____ inches.
3. Will foundation be laid on earth, rock, timber or piles, _____

See to arch
only 6/10

IF TO BE EXTENDED ON ANY SIDE, GIVE THE FOLLOWING INFORMATION :

4. What will be the base—stone or concrete? If base stones, give size, and how laid
..... If concrete, give thickness,
5. What will be the sizes of piers?
6. What will be the thickness of upper walls in 1st story, inches ; 2d story, inches ;
3d story, inches ; from thence to top, inches ; and of what materials to be
constructed,
7. Whether independent or party walls ; if party walls, give thickness thereof, inches ;
8. With what material will walls be coped?
9. What will be the materials of front? If of stone, what kind
Give thickness of front ashlar,, and thickness of backing thereof,
10. Will the roof be flat, peak, or mansard?
11. What will be the materials of roofing?
12. Give size and material of floor beams, 1st tier,, x ; 2d tier,
x ; 3d tier,, x ; 4th tier,, x ; 5th tier,
....., x ; 6th tier,, x ; roof tier,
x State distance from centres on 1st tier, inches ; 2d tier, inches ; 3d tier,
..... inches ; 4th tier, inches ; 5th tier, inches ; 6th tier, inches ;
roof tier, inches.
13. If floors are to be supported by columns and girders, give the following information ; Size and material
of girders under 1st floor,, x under upper floors,
..... Size and material of columns under 1st floor,
..... under upper floors,
14. If the front, rear or side walls are to be supported, in whole or in part, by iron girders or lintels, give
definite particulars,
.....
.....
15. If girders are to be supported by brick piers and columns, state the size of piers and columns.
.....
.....
16. How will the extension be connected with present or main building?
.....
.....
17. How will the extension be occupied ? If for dwelling purposes, state how many families are to occupy
each floor,
.....

IF ALTERED INTERNALLY, GIVE DEFINITE PARTICULARS AND STATE HOW THE
BUILDING WILL BE OCCUPIED.

*It is proposed to remove a portion of the stud partitions in 3^d story and put in new
partitions and a new stairs as per plan, also put in new partitions on 4th story and stairs
to roof with bull head on roof, Bull head to be filled in and covered with fire proof blocks
not less than 2" thick and covered on the outside with tin, The present wood cornice
on front to be removed and replaced with galvanized iron cornice, Building to
be occupied as dwelling.*

IF THE FRONT, REAR, OR SIDE WALLS, OR ANY PORTION THEREOF, ARE TO BE
TAKEN OUT AND REBUILT, GIVE DEFINITE PARTICULARS, AND STATE IN
WHAT MANNER:

.....
.....
.....
.....
.....

PLAN No. _____

New York, June 25th 1886To A. F. O'Conch Esq.

Superintendent of Buildings.

Sir:

It is proposed to alter the upper story of building on premises located on lot A^o 93 St Marks Place in the City of New York, in accordance with the Plans and detailed statement of Specification for said work, now on file in the Bureau of Inspection of Buildings, and I respectfully ask that the provisions of the Building Laws may be modified so far as to allow us to alter the head

roof into a flat roof, in the manner following, We propose to remove the upper portion of head which is now 14 feet high and level off the side walls so as to make a story 9 feet high, The front rear and side walls will be 12" thick, roof beams 3 x 12 inches placed 16 inches apart from centers with three rows of bridging and the roof covered with tin and front finished with galvanized iron cornice, The present roof has wood dormer windows and wood cornice and gutter, and the East wall is now built to the required height

Respectfully Yours

Berger & Baylies
Architects

City and County of New York, ss.

Bruno W. Berger of said City and County,
being duly sworn, doth depose and say, that he has read the foregoing petition,
and that the same is true.

Subscribed and sworn to before me, this
26th day of June 1886.

Wm H. Riblet
Notary Public, 16.
City & County of New York
9 Air Street.

Bruno W. Berger
one of the firm of
Burger & Baylis
Architects

Owner _____ Address _____
Architect, _____ Address _____
Mason, _____ Address _____
Carpenter, _____ Address _____

REPORT UPON APPLICATION.

Fire Department City of New York,

BUREAU OF INSPECTION OF BUILDINGS.

NEW YORK, *June 28* 188 *6*

To the Superintendent of Buildings.

I respectfully report that I have thoroughly examined the foregoing described building, and find the same to be built of *Bricks*, *59* feet in height, *27'6"* feet front, *54* feet deep, *Brick* roof. I have thoroughly examined and measured the walls, and find the foundation walls to be built of *Stone*, *24* inches thick; the upper walls are built of *Bricks 20" 16" 12"*

and that the mortar in said walls is *Good* and that all the walls are *Good*

(The Inspector must here state what defects, if any, are in the walls, beams or other part of the building)

The front steel cornice made of wood are in a deplorable state of condition

John Hayes Inspector.

THE BUILDING LAW REQUIRES

- 1st.—All stone walls, must be properly bonded.
- 2d.—All skylights, over 3 feet square, must be of iron and glass.
- 3d.—All buildings over 2 stories or above 25 feet in height, *except dwellings and churches*, on streets less than 30 feet wide, must have iron shutters on *every* window and opening above the 1st story. The front windows on streets over 30 feet wide are exempted.
- 4th.—Outside fire escapes are required on all dwelling houses over two stories in height, occupied or built to be occupied by two or more families on any floor above the first, and on office buildings, hotels, lodging houses and factories; and *the balconies of such fire escapes must take in one window of each suite of apartments*, all to be constructed as follows:

BRACKETS must not be less than $\frac{1}{2} \times 1\frac{1}{2}$ inches wrought iron, placed edgewise, or $1\frac{1}{2}$ inch angle iron, well braced, and not more than three feet apart, and the braces to brackets must be not less than $\frac{1}{2}$ inch square wrought iron, and must extend two-thirds of the width of the respective brackets or balconies. In all cases the brackets must go through the wall, and be turned down three inches.

BRACKETS ON NEW BUILDINGS must be set as the walls are being built. When brackets are to be put on old houses, the part going through the wall shall not be less than one inch diameter, with screw nuts and washers not less than five inches square and $\frac{1}{2}$ inch thick.

TOP RAILS.—The top rail of balcony must be $1\frac{1}{2}$ inch \times $\frac{1}{2}$ inch wrought iron, and in all cases must go through the walls, and be secured by nuts and 4 inch square washers, at least $\frac{1}{2}$ inch thick, and no top rail shall be connected at angles by the use of cast iron.

BOTTOM RAILS.—Bottom rails must be $1\frac{1}{2}$ inch \times $\frac{1}{2}$ inch wrought iron, well leaded into the wall. In frame buildings the top rails must go through the studding and be secured on the inside by washers and nuts as above.

FILLING-IN-BARS.—The filling-in bars must be not less than $\frac{1}{2}$ inch round or square wrought iron, placed not more than 6 inches from centres, and well riveted to the top and bottom rails.

STAIRS.—The stairs in all cases must be not less than 18 inches wide, and constructed of $\frac{1}{2} \times 3\frac{1}{2}$ inch wrought iron sides or strings. Steps may be of cast iron of the same width of strings, or $\frac{1}{2}$ inch round iron, double rungs, and well riveted to the strings. The stairs must be secured to a bracket on top and rest on and be secured to a bracket or extra cross bar at the bottom. All stairs must have a $\frac{1}{2}$ inch hand rail of wrought iron, well braced.

FLOORS.—The flooring of balconies must be of wrought iron $1\frac{1}{2} \times \frac{1}{2}$ inch slats placed not over $1\frac{1}{2}$ inches apart, and secured to iron battens $1\frac{1}{2} \times \frac{1}{2}$ inch, not over three feet apart and riveted at the intersection. The openings for stairways in all balconies shall not be less than 20 inches wide and 36 inches long, and have no covers.

DROP LADDERS.—Drop ladders from lower balconies where required shall not be less than 14 inches wide, and shall be made of $1\frac{1}{2} \times \frac{1}{2}$ inch sides and $\frac{1}{2}$ inch rungs of wrought iron. In no case shall a drop ladder be more than 12 feet in length. In no case shall the ends of balconies extend more than nine inches over the brackets.

SCUTTLE LADDERS.—Ladders to scuttles shall be constructed in all cases the same as the stairs or step-ladders from balconies of fire escapes.

THE HEIGHT OF RAILING around balconies shall not be less than two feet nine inches.

In constructing all balcony fire escapes, the manufacturer thereof shall securely fasten to each balcony in a conspicuous place, a CAST IRON PLATE having suitable raised letters on same, to read as follows:

"NOTICE! ANY PERSON PLACING ANY INCUMBRANCE ON THIS BALCONY IS LIABLE TO A PENALTY OF TEN DOLLARS AND IMPRISONMENT FOR TEN DAYS."

~~No~~ No Fire Escape will be approved by this Bureau if not in accordance with above specifications. ~~and~~

5th.—All walls must be coped with stone or terra cotta. If coped with stone, the stone must not be less than $2\frac{1}{2}$ inches thick; and if with terra cotta, the terra cotta must be made with proper lap joints.

6th.—Roofs must be covered with fire-proof material.

7th.—All cornices must be fire proof.

8th.—All FURNACE FLUES OF DWELLINGHOUSES shall have at least eight-inch walls on each side. The inner four inches from the bottom of flue to the top of the second tier of floor beams, shall be built of fire brick laid with fire-clay mortar. No furnace flue shall be of less size than eight inches square, or four inches wide and sixteen inches long, inside measure. When furnace flues are located in the usual chimney stacks, the side of the flue inside of the house to which it belongs may be four inches thick. If preferred, the furnace flues may be made of cast iron or fire-clay pipe of proper size built in the walls, with an air space of not less than one inch between said pipes, and four inches of brick wall on the outside.

All BOILER FLUES must be lined with fire-brick at least fifteen feet in height from the bottom, and in no case shall the walls of said flues be less than eight inches thick.

All flues not built for furnace or boiler flues must be altered to conform to the above requirements before they are used as such.

9th.—No iron beam, lintel, or girder, intended to span an opening over eight feet, or iron post, or column, intended to support a wall of stone or brick, or any floor or part thereof, shall be used for that purpose, until tested and approved as provided by law.