

which skylight shall be so constructed as to open instantly on the cutting or burning of a hempen cord, which shall be arranged to hold said skylights closed, or some other equally simple approved device for opening them may be provided.

CONSTRUCTION OF STAGE-FLOOR.—All that portion of the stage not comprised in the working of scenery, traps, and other mechanical apparatus for the presentation of a scene, usually equal to the width of the proscenium opening, shall be built of iron or steel beams filled in between with fireproof material, and all girders for the support of said beams shall be of wrought iron or rolled steel.

FLY-GALLERY CONSTRUCTION.—The fly-galleries entire, including pin-rails, shall be constructed of iron or steel, and the floors of said galleries shall be composed of iron or steel beams filled in between with fireproof materials, and no wood boards or sleepers shall be used as covering over beams, but the said floors shall be entirely fireproof.

RIGGING-LOFT OR GRIDIRON.—The rigging-loft shall be fireproof, except the floor covering the same.

STAGE SCENERY.—All stage scenery, curtains, and decorations made of combustible material, and all woodwork on or about the stage, shall be saturated with some non-combustible material, or otherwise rendered safe against fire, to the satisfaction of the superintendent of buildings.

ROOF, FLOORS, AND GALLERIES TO BE FIREPROOF.—The roof over the auditorium and the entire main floor of the auditorium and vestibule, also the entire floor of the second story of the front superstructure over the entrance, lobby, and corridors, and all galleries in the auditorium, shall be constructed of iron or steel and fireproof materials, not excluding the use of wooden floor-boards and necessary sleepers to fasten the same to, *but such sleepers shall not mean timbers of support.*

GALLERY FRONTS.—The fronts of each gallery shall be

formed of fireproof materials, except the capping, which may be of wood.

CEILINGS OF GALLERIES AND AUDITORIUM.—The ceiling under each gallery shall be entirely formed of fireproof materials.

The ceiling of the auditorium shall be formed of fireproof materials.

All lathing wherever used shall be of metal.

PARTITIONS AND FURRING TO BE FIREPROOF.—The partitions in that portion of the building which contains the auditorium, the entrance vestibule, and every room and passage devoted to the use of the audience, shall be constructed of fireproof materials, including the furring of outside or other walls. None of the walls or ceilings shall be covered with wood sheathing, canvas, or any combustible material. But this shall not exclude the use of wood wainscoting to a height not to exceed six feet, which shall be filled in solid between the wainscoting and the wall with fireproof material.

DRESSING-ROOM PARTITIONS.—The walls separating the actors' dressing-rooms from the stage, and the partitions dividing the dressing-rooms, together with the partition of every passageway from the same to the stage, and all other partitions on or about the stage, shall be constructed of fireproof material approved by the superintendent of buildings. All doors in any said partitions shall be of iron, or of wood constructed as hereinbefore described.

All the shelving and cupboards in each and every dressing-room, property-room, or other storage-rooms shall be constructed of metal, slate, or some fireproof material.

DRESSING-ROOMS IN FLY-GALLERIES.—Dressing-rooms may be placed in fly-galleries, provided that proper exits are secured therefrom to the fire-escapes in the open courts, and that the partitions and other matters pertaining to



dressings-rooms shall conform to the requirements herein contained, but the stairs leading to the same shall be fireproof.

**AUDITORIUM SEATS.**—All seats in the auditorium, excepting those contained in boxes, shall be firmly secured to the floor, and no seat in the auditorium shall have more than six seats intervening between it and an aisle on either side, and no stool or seat shall be placed in any aisle.

**PLATFORMS TO RECEIVE SEATS IN GALLERIES.**—All platforms in galleries formed to receive the seats shall not be more than twenty-one inches in height of riser nor less than thirty inches in width of platform.

**AUDITORIUM AISLES.**—All aisles on the respective floors in the auditorium having seats on both sides of same shall not be less than three feet wide where they begin, and shall be increased in width towards the exits in the ratio of one and one-half inches to five running feet. Aisles having seats on one side only shall be not less than two feet wide at their beginning and increase in width the same as aisles having seats on both sides.

**CAPACITY OF FOYERS, CORRIDORS, ETC., GOVERNED BY AUDIENCE.**—The aggregate capacity of the foyers, lobbies, corridors, passages, and rooms for the use of the audience, not including aisle-space between seats, shall, on each floor of the gallery, be sufficient to contain the entire number to be accommodated on said floor or gallery, in the ratio of one hundred and fifty superficial feet of floor-room for every one hundred persons.

**INCLINED PLANES IN AISLES.**—Gradients or inclined planes shall be employed instead of steps where possible to overcome slight difference of level in or between aisles, corridors, and passages.

**EXITS—NUMBER PROPORTIONED TO CAPACITY OF HOUSE.**—Every theatre accommodating three hundred persons shall have at least two exits; when accommodating

five hundred, at least three exits shall be provided; these exits not referring to or including the exits to the open court or side of the theatre.

**WIDTH OF EXIT-DOORS.**—Doorways of exit or entrance for the use of the public shall not be less than five feet in width, and for every additional one hundred persons or portions thereof to be accommodated in excess of five hundred an aggregate of twenty inches additional exit width must be allowed.

**EXIT-DOORS TO OPEN OUTWARDLY.**—All doors of exit or entrance shall open outwardly, and be hung to swing in such a manner as not to become an obstruction in a passage or corridor, and no such doors shall be closed and locked during any representation, or when the building is open to the public.

**GALLERY EXITS AND ENTRANCES.**—Distinct and separate places of exit and entrance shall be provided for each gallery above the first.

**MAIN-FLOOR AND FIRST-GALLERY EXITS.**—A common place of exit and entrance may serve for the main floor of the auditorium and the first gallery, provided its capacity be equal to the aggregate capacity of the outlets from the main floor and the said gallery.

**WIDTH OF PASSAGE LEADING TO STAIRWAYS.**—No passage leading to any stairway communicating with any entrance or exit shall be less than four feet in width in any part thereof.

**STAIRWAYS.**—All stairs within the building shall be constructed of fireproof material throughout.

Stairways serving for the exit of fifty people must, if straight, be at least four feet wide between railings, or between walls, and if curved or winding five feet wide; and for every additional fifty people to be accommodated six inches must be added to their width.



In no case shall the risers of any stairs exceed seven and a half inches in height, nor shall the treads exclusive of nosing be less than ten and one-half inches wide in straight stairs. In circular or winding stairs the width of the tread at the narrowest end shall not be less than seven inches.

Where the seating capacity is for more than one thousand people, there shall be at least two independent staircases, with direct exterior outlets, provided for each gallery in the auditorium, where there are not more than two galleries, and the same shall be located on opposite sides of said galleries.

Where there are more than two galleries, one or more additional staircases shall be provided, the outlets from which shall communicate directly with the principal exit or other exterior outlets.

All said staircases shall be of width proportioned to the seating capacity as elsewhere herein prescribed. Where the seating capacity is for one thousand people or less, two direct lines of staircases only shall be required, located on opposite sides of the galleries, and in both cases shall extend from the sidewalk-level to the upper gallery, with outlets from each gallery to each of said staircases.

STAGE STAIRWAY.—At least two independent staircases with direct exterior outlets shall also be provided for the service of the stage, and shall be located on the opposite sides of the same.

STAIRWAYS TO UPPER GALLERIES ENCLOSED WITH WALLS.—All inside stairways leading to the upper galleries of the auditorium shall be enclosed on both sides with walls of fireproof materials. Stairs leading to the first or lower gallery may be left open on one side, in which case they shall be constructed as herein provided for similar stairs leading from the entrance-hall to the main floor of the auditorium. But in no case shall stairs leading to any gallery be left open on both sides.

STAIR-LANDINGS.—When straight stairs return directly on themselves, a landing of the full width of both flights, without any steps, shall be provided. Stairs turning at an angle shall have a proper landing without winders introduced at said turn. In stairs when two side flights connected with one main flight no winders shall be introduced, and the width of the main flight shall be at least equal to the aggregate width of the side flights. Circular or winding stairs shall have proper landings introduced at convenient distances.

STAIR HAND-RAILS.—All enclosed staircases shall have on both sides strong hand-rails firmly secured in the wall about *three inches* distant therefrom, and about three feet above the stairs, but said hand-rails shall not run on level platforms and landings where the same is more in length than the width of the stairs.

All staircases six feet and over in width shall be provided with a centre hand-rail of hard wood or metal, not less than two inches in diameter, placed at a height of about three feet above the centre of the treads, and supported on wrought-iron or brass standards of sufficient strength placed not nearer than four feet nor more than six feet apart, and securely bolted to the treads or risers of stairs, or both, and at the head of each flight of stairs, on each landing, the post or standard shall be at least six feet in height, to which the rail shall be secured.

STEAM-BOILERS LOCATED.—Every steam-boiler which may be required for heating or other purposes shall be located outside of the building, and the space allotted to the same shall be enclosed by walls of masonry on all sides, and the ceiling of such space shall be constructed of fireproof materials. All doorways in said walls shall have iron doors.

HEATING.—No floor-registers for heating shall be permitted.

No coil or radiator shall be placed in any aisle or passage-



way used as an exit; but all said coils and radiators shall be placed in recesses formed in the wall or partition to receive the same.

All supply-, return-, or exhaust-pipes shall be properly encased and protected where passing through floors or near woodwork.

STANDPIPES.—Standpipes of two and one-half inches diameter shall be provided with hose attachments on every floor and gallery as follows, namely: One on each side of the auditorium in each tier, also on each side of the stage in each tier, and at least one in the property-room, and one in the carpenter-shop, if the same be contiguous to the building. All such standpipes shall be kept clear from obstruction. Said stand pipes shall be separate and distinct, receiving the supply of water direct from the steam-pumps, and shall be fitted with the regulation couplings of the fire department, and shall be kept constantly filled with water by means of an automatic steam-pump or pumps of sufficient capacity to supply all the lines of hose when operated simultaneously; and said pump or pumps shall be supplied from the street-main and be ready for immediate use at all times during a performance in said building.

AUTOMATIC SPRINKLERS.—A separate and distinct system of automatic sprinklers with fusible plugs approved by the superintendent of buildings, supplied with water from a tank located on the roof over the stage, and not connected in any manner with the standpipes, shall be placed up and around the proscenium opening and on the ceiling or roof over the stage at such intervals as will protect every square foot of stage-surface when sprinklers are in operation. Automatic sprinklers shall also be placed, wherever practicable, under the stage and in the carpenter-shop, paint-rooms, storerooms, and property-rooms.

FIRE-HOSE.—A proper and sufficient quantity of two and

one-half inch hose fitted with the regulation couplings of the fire department, and with nozzles attached thereto, and with hose-spanners at each outlet, shall always be kept attached to each hose attachment.

CASKS OF WATER.—There shall also be kept in readiness for immediate use on the stage at least four casks full of water, and two buckets to each cask. Said casks and buckets shall be painted red.

PORTABLE EXTINGUISHERS.—There shall also be provided hand-pumps or other portable fire-extinguishing apparatus, and at least four axes and two twenty-five-foot hooks, two fifteen-foot hooks, and two ten-foot hooks on each tier or floor of the stage.

LIGHTING.—Every portion of the building devoted to the uses or accommodation of the public, also all outlets leading to the streets, and including the open courts and corridors, shall be well and properly lighted during every performance, and the same shall be lighted until the entire audience has left the premises.

At least two or more oil-lamps on each side of the auditorium in each tier shall be provided on fixed brackets not less than seven feet above the floor. Said lamps shall be filled with whale- or lard-oil, and shall be kept lighted during each performance, or in place of said lamps candles shall be provided.

All gas or electric lights in the halls, corridors, lobby, or any other part of said buildings used by the audience, except the auditorium, must be controlled by a separate shut-off located in the lobby, and controlled only in that particular place.

Gas-mains supplying the building shall have independent connections for the auditorium and the stage, and provision shall be made for shutting off the gas from the outside of the building.



When interior gas-lights are not lighted by electricity, other suitable appliances, to be approved by the superintendent of buildings, shall be provided.

All suspended or bracket lights surrounded by glass in the auditorium or in any part of the building devoted to the public shall be provided with proper wire netting underneath.

No gas or electric light shall be inserted in the walls, woodwork, ceilings, or in any part of the building unless protected by fireproof materials.

All lights in passages and corridors in said buildings, and wherever deemed necessary by the superintendent of buildings, shall be protected with proper wire network.

The footlights, in addition to the wire network, shall be protected with a strong wire guard not less than two feet distant from said footlights, and the trough containing said footlights shall be formed of and surrounded by fireproof materials.

All border-lights shall be constructed according to the best known methods, and subject to the approval of the commissioners of the fire department, and shall be suspended for ten feet by wire rope.

All ducts or shafts used for conducting heated air from the main chandelier, or from any other light or lights, shall be constructed of metal and made double with an air-space between.

All stage-lights shall have strong metal-wire guards or screens, not less than ten inches in diameter, so constructed that any material in contact therewith shall be out of reach of the flames of said stage-lights, and must be soldered to the fixtures in all cases.

The standpipes, gas-pipes, electric wires, hose, footlights, and all apparatus for the extinguishing of fire or guarding against the same, as in the section specified, shall be in charge and under control of the department of buildings, and the superintendent of said department is hereby directed to

see that the arrangements in respect thereto are carried out and enforced.

A diagram or plan of each tier, gallery, or floor, showing distinctly the exits therefrom, shall be printed in a legible manner on the programme of the performance.

Every exit shall have over the same on the inside the word "Exit" painted in legible letters not less than eight inches high.