

REGULAR MEETING

Monday, September 21, 1942.

7:30 P. M.

The Common Council of the City of Indianapolis met in the Council Chamber at the City Hall, Monday, September 21, 1942, at 7:30 p. m. in regular session. President Bach in the chair.

The Clerk called the roll.

Present: Mr. Campbell, Dr. Hemphill, Mr. Moore, Mr. Moynahan, Mr. Ropkey, Mr. Ross, Mr. Wood, President Bach.

Absent: Mr. Ransom.

The reading of the Journal for the previous meeting was dispensed with on motion of Mr. Moore, seconded by Dr. Hemphill.

COMMUNICATIONS FROM THE MAYOR

September 8, 1942.

To the Honorable President and Members of the Common Council of the City of Indianapolis.

Gentlemen:

I have this day approved with my signature and delivered to Mr. John M. Layton, City Clerk, the following ordinances:

APPROPRIATION ORDINANCE No. 11, 1942

AN ORDINANCE appropriating the sum of Fifty Thousand Dollars (\$50,000) from the anticipated, unappropriated and unexpended 1942 balance of the General Fund of the Board of Health and Charities of the City of Indianapolis, and allocating the same to certain designated funds of the City Hospital in the Department of Public Health and Charities of said city; and fixing a time when the same shall take effect.

GENERAL ORDINANCE No. 61, 1942
as amended

AN ORDINANCE establishing the annual budget of the City of Indianapolis, Indiana, for the fiscal year beginning January 1, 1943, and ending December 31, 1943, appropriating monies for the purpose of defraying the expenses and all outstanding claims and obligations of the several departments and officials of the city government; and fixing and establishing the annual rate of taxation and tax levy for the year 1942 for each fund for which a special tax levy is authorized, and fixing a time when this ordinance shall take effect.

Respectfully,

R. H. SULLIVAN,

Mayor.

COMMUNICATIONS FROM CITY OFFICIALS

September 21, 1942.

Honorable President and Members
of the Common Council of the City of
Indianapolis, Indiana.

Gentlemen:

In Re: Appropriation Ordinance No. 18, 1942
General Ordinance No. 66, 1942

I beg leave to report that in accordance with the laws of the State of Indiana, I caused notice of public hearing to be inserted in the Indianapolis News and the Indianapolis Times that taxpayers would have the right to be heard on the above ordinances at the regular meeting of the Common Council to be held on the 21st day of September, 1942, and by posting copy of said notice in the City Hall, Court House and Police Station.

Very truly yours,

JOHN M. LAYTON,
City Clerk.

September 21, 1942.

To the Honorable President and
Members of the Common Council
of the City of Indianapolis, Indiana.

Gentlemen:

At the request of the All American Bus Lines, Inc., we are asking that General Ordinance No. 64, 1942, to establish a "loading zone" on the south side of New York Street just west of Illinois Street, be stricken from the files.

Yours very truly,

BOARD OF PUBLIC SAFETY,

By L. J. Keach,
President.

September 21, 1942.

To the Honorable President and
Members of the Common Council of
the City of Indianapolis, Indiana.

Gentlemen:

Submitted herewith is General Ordinance No. 67, 1942, to prohibit parking at all times on the north side of East Forty-second

Street from the east property line of the Monon Railway to the west curb line of Ralston Avenue.

We respectfully recommend the passage of this ordinance.

Respectfully submitted,

BOARD OF PUBLIC SAFETY,

By L. J. Keach,
President.

September 21, 1942.

To the Honorable President and
Members of the Common Council
of the City of Indianapolis, Indiana.

Gentlemen:

Attached please find copies of General Ordinance No. 68, 1942, transferring the sum of Two Hundred and Fifty Dollars (\$250.00) from Legal Department Fund No. 53 to Legal Department Fund No. 21.

I respectfully recommend the passage of this ordinance.

Yours very truly,

JAMES E. DEERY,

City Controller.

September 21, 1942.

To the Honorable President and
Members of the Common Council of
the City of Indianapolis, Indiana.

Gentlemen:

Submitted herewith is General Ordinance No. 69, 1942, to amend, repeal and add certain sections and sub-sections of Division E of Sec

tion 865 of General Ordinance No. 121, 1925, as amended, and we respectfully recommend its passage.

Respectfully submitted,

BOARD OF PUBLIC SAFETY,

By L. J. Keach,
President.

September 21, 1942.

Honorable President and Members
of the Common Council of the
City of Indianapolis.

Gentlemen:

Attached hereto are twenty copies of General Ordinance No. 70, 1942, an ordinance to amend General Ordinance No. 114, 1922, commonly known as the Zoning Ordinance.

Very truly yours,

GEORGE F. ROOKER,
Secretary-Engineer,
CITY PLAN COMMISSION.

At this time those present were given an opportunity to be heard on Appropriation Ordinance No. 18, 1942, and General Ordinance No. 66, 1942.

Mr. Moore asked for a recess. The motion was seconded by Mr. Ross and the Council recessed at 7:45 p. m.

The Council reconvened at 8:00 p. m. with the same members present as before.

COMMITTEE REPORTS

Indianapolis, Ind., September 21, 1942.

To the President and Members of the Common Council
of the City of Indianapolis, Indiana.

Gentlemen:

We, your Committee on Finance, to whom was referred Appropriation Ordinance No. 18, 1942, entitled:

AN ORDINANCE appropriating certain sums of money
and allocating same to certain designated funds;

beg leave to report that we have had said ordinance under consideration, and recommend that the same be passed

ERNEST C. ROPKEY, Chairman

JOSEPH G. WOOD

T. A. MOYNAHAN

GUY O. ROSS

Indianapolis, Ind., September 21, 1942.

To the President and Members of the Common Council
of the City of Indianapolis, Indiana.

We, your Committee on Public Works, to whom was referred General Ordinance No. 63, 1942, entitled:

AN ORDINANCE authorizing the Board of Works and
Sanitation and the Board of Health to purchase certain supplies, materials and equipment;

beg leave to report that we have had said ordinance under consideration, and recommend that the same be passed.

ERNEST C. ROPKEY

JOSEPH G. WOOD

WALTER E. HEMPHILL

Indianapolis, Ind., September 21, 1942.

To the President and Members of the Common Council
of the City of Indianapolis, Indiana.

Gentlemen:

We, your Committee on Public Safety, to whom was referred
General Ordinance No. 64, 1942, entitled:

AN ORDINANCE establishing a certain passenger and/or
loading zone;

beg leave to report that we have had said ordinance under considera-
tion, and recommend that the same be stricken from files.

JOSEPH G. WOOD, Chairman
ERNEST C. ROPKEY
HARMON A. CAMPBELL
RALPH F. MOORE

Indianapolis, Ind., September 21, 1942.

To the President and Members of the Common Council
of the City of Indianapolis, Indiana.

Gentlemen:

We, your Committee on Public Safety, to whom was referred
General Ordinance No. 65, 1942, entitled:

AN ORDINANCE to amend Section 44 of General Ordi-
nance No. 96, 1928 (Oriental Street);

beg leave to report that we have had said ordinance under consid-
eration, and recommend that the same be passed.

JOSEPH G. WOOD, Chairman
ERNEST C. ROPKEY
RALPH F. MOORE

Indianapolis, Ind., September 21, 1942.

To the President and Members of the Common Council
of the City of Indianapolis, Indiana.

Gentlemen:

We, your Committee on Public Works, to whom was referred
General Ordinance No. 66, 1942, entitled:

AN ORDINANCE transferring moneys from certain designated funds in the budget of the Street Commissioner to certain other designated funds in said department;

beg leave to report that we have had said ordinance under consideration, and recommend that the same be passed.

ERNEST C. ROPKEY
JOSEPH G. WOOD
WALTER E. HEMPHILL

Indianapolis, Ind., September 21, 1942.

To the President and Members of the Common Council
of the City of Indianapolis, Indiana.

Gentlemen:

We, your Committee on Public Works, to whom was referred
Special Ordinance No. 3, 1942, entitled:

AN ORDINANCE authorizing the sale, alienation and conveyance of certain land;

beg leave to report that we have had said ordinance under consideration, and recommend that the same be passed.

ERNEST C. ROPKEY
JOSEPH G. WOOD
WALTER E. HEMPHILL
HARMON A. CAMPBELL

INTRODUCTION OF GENERAL ORDINANCES

By the Board of Public Safety:

GENERAL ORDINANCE No. 67, 1942

AN ORDINANCE prohibiting parking on a certain part of East Forty-Second Street in the City of Indianapolis, Indiana, providing a penalty for the violation thereof, and fixing a time when the same shall take effect.

BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF INDIANAPOLIS, INDIANA:

Section 1. That it shall be unlawful for the operator of any vehicle to park the same or suffer, permit or allow the same to be parked at any time upon a certain part of East Forty-Second Street, in the City of Indianapolis, described as follows:

- (a) On the north side of East Forty-second Street from the east property line of the Monon Railway to the west curb line of Ralston Avenue.

Section 2. Any person violating any provision of this ordinance shall, upon conviction, be fined in any sum not exceeding Three Hundred Dollars (\$300.00), to which may be added imprisonment not exceeding one hundred eighty (180) days.

Section 3. This ordinance shall be in full force and effect from and after its passage, approval by the mayor, and publication according to law.

Which was read the first time and referred to the Committee on Public Safety.

By the City Controller:

GENERAL ORDINANCE No. 68, 1942

AN ORDINANCE transferring moneys from a certain designated fund in the Department of Law of the City of Indianapolis, In-

diana, to a certain other designated fund in said department, as the same appear in the 1942 annual budget for said city; and fixing a time when the same shall take effect.

WHEREAS, there exists an extraordinary emergency for the transfer of money from a certain fund in the 1942 budget of the Department of Law of the City of Indianapolis to another fund in said department, which funds are hereinafter designated; NOW, THEREFORE,

BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF INDIANAPOLIS, INDIANA:

Section 1. That the sum of money hereinafter designated, now in the following fund of the Department of Law, to-wit:

Fund No. 53—Refunds, Awards and Indemnities.....\$250.00
be and the same is hereby transferred therefrom, reappropriated and reallocated to the following designated fund of said department, to-wit:

Fund No. 21—Communication and Transportation....\$250.00

Section 2. This ordinance shall be in full force and effect from and after its passage and approval by the mayor.

Which was read the first time and referred to the Committee on Finance.

By the Board of Public Safety:

GENERAL ORDINANCE No. 69, 1942

AN ORDINANCE to amend, repeal, and add certain sections and sub-sections of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, of the City of Indianapolis, Indiana; and fixing a time when the same shall take effect.

BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF INDIANAPOLIS, INDIANA:

Section 1. That Sec. E-104 of Section 865 of General Ordinance No. 121, 1925, as amended, be and is hereby amended to read as follows:

Sec. E-104. Smoke When a Nuisance.

(a) The production, emission, or escape of smoke, within the City of Indianapolis, of a greater degree of darkness than number one (1) scale, as described in the preceding section, from any fire or fires, whether same be active or burning or banked or in a state of rest, or whether said smoke be suffered or permitted to escape through a stack, flue or chimney or from an open space, except for a period or periods aggregating six (6) minutes in any one (1) hour during which time the firebox, or fireboxes, are being cleaned out or a new fire, or fires, built therein, is hereby declared a nuisance and may be summarily abated by the Combustion Engineer or by any one whom he may duly authorize for such purpose. Such abatement may be in addition to the fire hereinafter provided. Any person, firm or corporation who shall suffer or permit the production, emission or escape of smoke, within the City of Indianapolis, of a greater degree of darkness than number one (1) scale as described in the preceding section, from any fire or fires whether same be active or burning or banked or in a state of rest, or whether said smoke be suffered or permitted to escape through a stack, flue or chimney or from an open space except for a period or periods aggregating six (6) minutes in any one hour during which time the firebox is being cleaned out or a new fire built therein shall be deemed guilty of a misdemeanor and upon conviction thereof shall be fined not less than two dollars (\$2.00) nor more than three hundred dollars (\$300.00) for each offense; and each emission of smoke in violation of the provisions of this Section shall constitute a separate offense for each and every day on which such violation shall continue.

(b) At roundhouses and terminals an immunity of periods aggregating three (3) minutes in one (1) hour shall be allowed when fires are being cleaned or fires are being built in cold locomotives. After the fire has been built, a locomotive shall not emit smoke in violation of No. 1 scale, as defined in Sec. E-103 hereof, for a duration of more than one (1) minute during any one (1) hour.

(c) All railroad roundhouses or fire-building stations hereafter constructed where steam is raised in locomotives shall be equipped with direct-steaming systems and such other approved devices by means of which fires may be built and steam raised in cold loco-

motives without the production of dense smoke for a period of more than three (3) minutes duration. All locomotives serviced at such stations shall be equipped with approved devices by means of which fires may be built and steam raised in cold locomotives without the production of dense smoke for a period of more than three (3) minutes duration. A "cold locomotive" shall be construed to mean a locomotive in which the fire has been withdrawn or extinguished.

Section 2. That Sec. E-109 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and is hereby repealed, and that a new section, to be known as Sec. E-109, which section shall read as follows, be substituted therefor:

"Sec. E-109. Combustion Equipment Suitable for Fuel.

All combustion equipment shall be suitable for burning the fuel used without violating any provisions of this Code."

Section 3. That Sec. E-113 of Section 865 of General Ordinance No. 121, 1925, as amended, be and is hereby repealed, and that a new section, to read as follows, be substituted therefor:

Sec. E-113. Annual Reinspection of Equipment of Combustion.

All central heating plants and high pressure or power-boilers shall be subject to one inspection in each calendar year, after December 31, 1942. However, no annual inspection shall be required in the case of furnaces, or other fuel-burning equipment or devices installed to heat buildings used exclusively for private residences containing less than four dwelling units or apartments.

In cases where reasonable doubt exists as to whether given fuel burning device is subject to the annual inspection provision of this section, the decisions shall lie with the discretion of the Combustion Engineer.

Section 4. That Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and is hereby amended by adding thereto a section to be known as Sec. E-114, which section shall read as follows:

Sec. E-114. Annual Inspection Fees.

(1) For inspecting any furnace or other fuel-burning equipment, the furnace volume of which does not exceed 50 cubic feet, or equivalent, or any refuse burning device, for the purpose of issuing an annual certificate of operation for each unit.....\$2.00

(2) For inspecting any furnace or other fuel-burning equipment, the furnace volume of which is greater than 50 cubic feet but not in excess of 100 cubic feet, or equivalent, for the purpose of issuing an annual certificate of operation for each unit.....\$3.00

(3) For inspecting any furnace or other fuel-burning equipment, the furnace volume of which is greater than 100 cubic feet or equivalent, for the purpose of issuing an annual certificate of operation for each unit.....\$5.00

(4) Plants with more than one boiler. Where more than one boiler is in a plant, these fees shall be charged for inspecting the largest boiler in the plant. The fee for inspecting each additional boiler, installed in the same boiler-room, shall be.....\$1.00

(5) The fee for annual inspection shall include the issuing of a certificate for operation in case such certificate for operation is granted, and same shall be paid to the City Comptroller within thirty (30) days from the date of inspection.

(6) **Definition:** (a) The term "furnace volume" as used in this section shall mean the volume of the chamber in which combustion occurs, including the space occupied by the fuel bed, which shall include all space up to the point where the products of combustion first enter the flues or ducts through the heating surface.

(b) The term "annual inspection" shall mean an inspection during the calendar year beginning January 1 and ending December 31 of each year after December 31, 1942.

Section 5. That Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and is hereby amended by adding thereto a section to be known as Sec. E-115, which section shall read as follows:

Sec. E-115. Smoke Indicators.

(a) All new installations of solid or liquid fuel-burning plants having more than 500 square feet of boiler heating surface (50 B.H.P.) or its equivalent, shall be equipped with smoke indicators, mirrors, or other devices approved by the Commissioner of Buildings, to enable the fireman to observe smoke conditions from the firing floor of the boiler-room at all times unless the top of the stack is readily visible to the fireman from the boiler-room.

(b) Any existing boiler plant which emits dense smoke may be required by the Commissioner of Buildings to install smoke indicating equipment as specified in Sec. E-115 (a).

Section 6. That Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and it is hereby amended by adding thereto a section to be known as Sec. E-116, which section shall read as follows:

Sec. E-116. Fly-ash Control and Furnace Turbulence.

(a) It is recommended that on all installations an inspection and clean-out door shall be provided in the breeching and a clean-out door must be installed at the base of the stack or chimney where possible.

(b) Fly-Ash Collectors: All furnaces or combustion devices for the burning of fuel, fully or partly in suspension, shall be equipped with an approved fly-ash collector when found necessary and in all cases must be equipped with an automatic damper control of dependable make that will keep the over-fire draft constant to within .02" of water of the required setting.

(c) Solid Matter in Combustion Gases: Solid matter in combustion gases from any furnace or incinerator equipment under any conditions of operation shall not exceed 400 grains per 1,000 cubic feet of gas at 500° F, and corrected to 12% CO₂.

(d) Furnace Turbulence: Approved equipment for providing furnace turbulence and over-fire air shall be required in any boiler or furnace where such equipment is necessary for the reduction of smoke or fly-ash. Installation of chain grate stokers, where forced draft is contemplated, shall be so equipped that over-fire air may be admitted both at the front and rear of the furnace.

(e) Furnace Volume for Self-Contained Boilers: Boilers of the self-contained firebox type, where the water legs of the boiler form at least 80% of the side and rear walls, shall have such furnace volume under any condition of operation shall not exceed 45,000 B.t.u. per cubic foot per hour. Where such boilers are operated in excess of 150% of rating, or where the fuel burning rate exceeds 5 pounds of coal per 10 square feet of heating surface per hour, or where the stokers under such boilers are not equipped with gradual acting control of coal feed and air supply, there must be introduced between the smoke connection and the chimney an approved fly-ash trap which will limit the discharge of solids in the combustion gases to the requirements of this Code.

(f) Precipitating Chamber: The rear walls of all water-tube boiler settings shall extend to the floor line, forming a precipitating chamber for the solids carried by the gases. Such chambers shall have openings to permit ready removal of the solids. In lieu of extending the rear walls to floor, an under-cut construction will be permitted, but in such cases the bottom of the last pass shall be equipped with cinder hoppers having easily operated gates to permit the ready removal of the solids. Such hoppers shall have sufficient capacity to store the solids for at least 12 hours of heaviest operation, and the design of the hoppers shall meet the approval of the Commissioner of Buildings.

(g) Stoker Control: Any stoker installation which emits solid matter in excess of the limit set in sub-section E-116 (c) may be condemned and required to be equipped with approved gradual acting air control or other fly-ash eliminating equipment before operating approval is given.

(h) Breeching Enlargement for Large Boilers: If the conditions surrounding the installation do not permit enlarging the area of the chimney at the breeching connection $33\frac{1}{3}\%$ in excess of the area of the top of the chimney, then the breeching shall be enlarged to a point ahead of the chimney connection so as to form a cinder or fly-ash trap. The transverse area of such cinder and fly-ash trap shall be at least 50% greater than the required area of the top of the chimney, and the trap shall be provided with hoppers and gates or other means for the ready removal of the accumulated fly and combustion ash.

(i) Induced Draft Fans: Where induced draft fans are used, the fans shall be of the cinder and fly-ash collecting type, unless other approved means are provided for the elimination of fly-ash.

(j) Cleaning and Inspection:

1. Small boilers and furnaces. All small boilers and furnaces shall be cleaned at least once annually. The gas passages and smoke pipe or breeching connection to the stack, including the base of the chimney and all traps or segregated places, shall be cleaned of all soot and fly-ash. The responsibility for compliance with this section shall rest with the owner or manager of the building in which said furnace or boiler is installed.

2. Large boilers and furnaces. All chimney bases, breechings and traps or segregating chambers of large boilers and furnaces shall be cleaned at least every four months of operation. Provision shall be made for the thorough wetting of the ash just before or during its removal. The wetting system will be adequate to prevent ash from being carried up the chimney during cleaning.

3. It shall be unlawful to open or keep open or partly open, any door or opening or chimney base below the entrance of the smoke pipe or breeching except for removal of accumulated ash; and such ash shall not be removed by blowing or otherwise forcing it through the top of the chimney.

(k) Sealing Stack Openings: The Commissioner of Buildings shall have authority to seal or lock any door or opening in stack bases, breechings, or segregating spaces for the purpose of determining the quantity of soot and ash accumulation. He shall also have authority to test and to check any flue-blowing device.

(l) Screens. Where considered necessary by the Commissioner of Buildings, all chimneys, flues and stacks which emit sparks shall be capped with approved screens.

(m) Stack Dampers: Every boiler or furnace installed shall have a manually operated device to control the stack draft. Within one (1) year of the effective date of this code a damper shall be installed in the breeching between the smoke-hood and chimney on all existing boilers and furnaces having six (6) square feet of grate surface or capacity of 12 horse power or equivalent. Said damper shall be substantially supported on two sides, constructed of mate-

rial that will last a reasonable period of time, be readily accessible to the operator by means of a handle or lever. This damper must be closed when the operator or fireman cleans the boiler or furnace flues and smoke box to prevent soot and ashes being carried up the chimney during the cleaning period.

(n) Soot Blowing Devices for Fire-Tube Boiler. Steam or air lances or similar devices shall not be so operated in cleaning fire-tube boilers that the accumulations of soot and/or fly-ash will be discharged into the boiler breeching or stack and thus emitted into the atmosphere. These devices may be used only with the approval of the Commissioner of Buildings when and where they will not create an atmospheric nuisance.

Exception:—The above provisions do not prohibit the use of such devices provided the stack is so equipped with sprays, collectors, or other means of stopping the emission of soot and fly-ash.

Section 7. That Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and is hereby amended by adding thereto a section to be known as Sec. E-117, which section shall read as follows:

Sec. E-117. Advisory Board.

There shall be an Advisory Board of seven (7) members; six (6) of whom shall be appointed by the Mayor, and the seventh member shall be the Commissioner of Buildings, ex officio. This board shall act in a general advisory capacity to the Board of Public Safety and shall keep them informed as to the progress in fuel-burning technique and equipment.

The appointed members shall serve for a term of three (3) years, except that of the initially appointed members two (2) shall serve for one (1) year, two (2) for two (2) years, and two (2) for three (3) years.

They shall be persons of good reputation who have been actively identified with the development and improvement of the city. One (1) of the members shall have had at least five (5) years business or administrative experience in the ownership or operation of industrial or commercial enterprises; one (1) member shall at the time of his appointment, and for at least five (5) years prior thereto, have

been actively engaged in the management or ownership of apartment houses, hotels, or office buildings; one (1) member shall at the time of his appointment, and for at least five (5) years prior thereto, have been actively engaged as a chief operating engineer of a plant containing high pressure boilers; one (1) member shall, at the time of his appointment and for five (5) years prior thereto, have been actively engaged in the management or ownership of a retail coal yard; one (1) member shall, at the time of his appointment, and for at least five (5) years prior thereto, have been actively engaged in the mining or sale of solid fuel and shall understand the theory and practice of combustion; one (1) member shall at the time of his appointment, and for at least five (5) years prior thereto, have been actively engaged in the practice of designing or installing of heating and ventilating equipment, and shall be a registered professional engineer under the laws of the State of Indiana. Members appointed to fill vacancies shall have the same qualifications which their predecessors were required to have. The board shall elect its own chairman, who shall serve for one (1) year. Meetings of the board shall be held at the call of the chairman, or, in his absence, the acting chairman, and at such other times as the board may determine.

Section 8. That Sub-Section (c) of Sec. E-201 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and is hereby amended to read as follows:

(c) Any plant (new, rebuilt, or reconstructed) having more than 1,200 square feet of steam radiation, or rated at more than 1,800 square feet of water radiation, according to the American Society of Heating and Ventilating Engineers, or boilers of more than 12 horsepower, or hot air heating plants having more than six (6) square feet of grate area, shall be an approved smokeless type or shall be equipped with mechanical methods of firing, coal, oil or gas; except that a permit may be issued for the use of coke only, in which event no other fuel shall be used in such plants and the use of other fuel in such plants shall constitute an offense against the City of Indianapolis. A permit will be issued for only one such boiler in a plant. In no case shall a high pressure boiler of more than 35 horsepower or its equivalent size in a low pressure boiler be installed without automatic firing equipment.

Section 9. That Sub-Section (5) of Sec. E-201 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and is hereby amended to read as follows:

(d) The projected grate area of any boiler using coal as a fuel shall be not less than one forty-fifth (1/45) of the heating surface of such boiler.

Section 10. That Sub-Section (a) of Sec. E-202 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and is hereby amended to read as follows:

(a) The distance between the shell and horizontal return tubular boilers and the dead plate grated tuyere nearest to the shell, shall be not less than the following, according to the diameter of the shell:

Dia. of Shell in Inches	Distance Between Shell and Dead Plate in Inches
42 and less.....	42
48	48
54	54
60 to 72	60
Over 72	72

Where it is proposed to use oil, powdered coal or sawdust and shavings as a fuel the distance between the shell and the dead plate shall be not less than the diameter of the shell and in no case less than sixty (60) inches.

Furnaces designed for burning sawdust and shavings or a combination of sawdust, shavings and coal, shall be of the full extension type. Sawdust and shavings shall not be blown into the furnace. Such furnaces shall be provided with an approved means of introducing auxiliary air over the fire.

Section 11. That Sub-Sections (d), (e), (f), (g), (h), (i), and (j) of Sec. 202 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and they are hereby repealed.

Section 12. That Sec. E-203 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and it is hereby repealed in its entirety, and that a new section, to be known as Sec. E-203, to read as follows, be substituted therefor:

Sec. E-203. Stokers. 1. General.

(a) The arrangement, equipment, manner of installation and operation of all stokers hereafter installed for use in connection with heating and power plants, and any subsequent alteration of stoker installations shall conform to the following provisions:

(b) **Stoker Defined:** The term "stoker" shall, for the purpose of this ordinance, be taken to mean a mechanical device for feeding solid fuel into the combustion chamber of a boiler or furnace used in connection with a heating plant, whether automatically or manually controlled.

(c) **Non-automatic Stokers not Permitted:** Stokers which are not equipped with automatic means of preventing excessive pressure or temperatures of the heating medium shall not be installed or operated in any location where a competent attendant will not be constantly on duty on the premises where such stoker is in operation.

(d) **Firing Tools:** Adequate firing tools shall be provided with each stoker installation. Stokers of less than 75 lb. capacity per hour will be provided with clinker-tongs and poker or slice bar. Larger stokers will be provided with a substantial slice-bar and hoe or rake. All firing tools must be neatly hung or stored in a convenient and safe location.

(e) **Size and Coal Feed Rating Must Be Clearly Shown:** Each stoker shall bear stenciled or raised letter name plate giving its size and/or coal-feed rating or have such information cast in a location easily accessible in order that the rating of the machine may be obtained by observation.

(f) **Further Information Must Be Given Upon Request:** The manufacturer, his representatives, or the seller of the equipment shall supply any information concerning the equipment or its installation, upon request to the office of the Combustion Engineer.

(g) **Installation Must Permit Full Opening of Doors:** No stoker may be installed in such a manner that it will block the opening of the firing door or tube-cleaning door to such an extent that it will seriously interfere with proper cleaning of the fire and/or tubes. When necessary, a small stoker should be installed at such angle as will allow full opening of doors for cleaning, and such special installations must meet the approval of the Combustion Engineer.

(h) Doors: Boiler doors shall be of sufficient size and so located that ash and clinkers can be easily removed.

(i) Automatic Controls: Except as provided in Sub-Section (c) above, each mechanical stoker shall be equipped with at least one (1) approved high-limit control so connected as to shut off power from stoker drive in the event of excessive pressure in a steam boiler, and one (1) approved low-water cut-off so placed that it will prevent the operation of the stoker when water is too low in the boiler. The maximum range of the steam-pressure regulator on a steam-heating system using cast iron radiators will not exceed 15 lbs. No steam-pressure gauge will be removed or left off a boiler to make room for a pressure control. Both the indicating gauge and pressure control will be connected to a boiler automatically fired. Hot-water high-limit controls on forced circulation hot-water systems (systems using a pump) will be of an approved immersion type and installed in the boiler. Hot-water high-limit controls on gravity hot-water systems must be of an approved immersion type installed in the boiler or in a header (by use of a tee) within six (6) feet of the boiler. Approved warm-air limit-controls will be installed in the furnace bonnet, hood, or warm-air plenum chamber, in a position that will permit the direct heat rays from the furnace body or main drum to strike the thermal element of the limit control, but with the element no closer than six (6) inches of the furnace body. In no case should a warm-air limit-control be set above 250° F.

2. Underfeed Stokers.

(a) Underfeed stokers installed under horizontally baffled water tube boilers shall have a minimum average distance between the tubes and the grate line of at least eighty-four (84) inches.

Note: This distance will give satisfactory results for loads up to one hundred and fifty (150) per cent rating. For greater loads this distance should be increased to keep furnace temperatures down to a reasonable figure.

(b) Underfeed stokers installed under vertically baffled water tube boilers shall have an average minimum distance between the tubes and the grate line of at least seven feet six inches (7'-6").

(c) Underfeed stokers installed under vertical or highly inclined water tube boilers shall have a minimum distance, center of

grate line to tubes through the midpoint of the furnace gas passage, of seven feet six inches (7'-6").

Note: This distance will give satisfactory results for loads up to one hundred fifty (150) per cent rating. For greater loads this distance shall be increased and ample combustion space provided by setting roofs or arches higher.

Section 13. That Sec. E-204 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and it is hereby repealed and a new section to be known as Sec. E-204, which section shall read as follows, be and it is hereby substituted therefor:

Sec. E-204. Combustion Equipment Suitable for Fuel.

All combustion equipment shall be suitable for burning the fuel used without violating any provisions of this Code.

Section 14. That Sub-Section (j) of Section E-301 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and it is hereby amended by striking out the words, "which is not subject to league."

Section 15. That Section E-618 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and it is hereby amended by adding thereto two new sub-sections, to be known as Sub-Sections (d) and (e), which sub-sections shall read as follows:

(d) Where warm air heating systems are installed in multiple-dwellings, each individual apartment must have a separate return air system connected to the heater unit or to the basement trunk. These ducts shall have tight fitting manual dampers which may be closed in case the return air from said ducts is undesirable.

(e) A fresh air duct of sufficient size shall be installed to supply clean fresh air to the heater to make up the deficiency caused by shutting off the return air system from one or two apartments. Said air duct shall be large enough to supply fresh air when, in the case of four apartments, one return duct is closed, and in the case of more than four apartments, two return ducts are closed. The heater unit shall be of sufficient size to supply heat as required by the Building Code when one or two return ducts are closed and an equivalent amount of fresh air is supplied instead of recirculated air from said ducts. In no case shall one heater unit serve more than eight apartments.

Section 16. That Sec. E-701 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and it is hereby repealed and that a new section to be known as Sec. E-701, to read as follows, be substituted therefor:

Sec. E-701. Manufacturers' Data.

Manufacturers of heating boilers hereafter installed in the City of Indianapolis, shall submit to the Combustion Engineer, such data as he shall require concerning heating surfaces, combustion spaces, etc.

Section 17. That Sec. E-702 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and it is hereby repealed, and that a new section, to be known as Sec. E-702, which shall read as follows, be and it is hereby substituted therefor:

Sec. E-702. Combustion Space for Hand-Firing.

Any small hand-fired boiler of less than 1,200 square feet of heating surface of cast-iron sectional type or the steel self-contained water leg type where at least 80% of the side and rear walls of the furnace are formed by water legs of the boiler, shall have not less than one (1) cubic foot of combustion space for each ten (10) square feet of heating surface.

Section 18. That Sec. E-703 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and it is hereby repealed and that a new section, to be known as Sec. E-703, which shall read as follows, be and it is hereby substituted therefor:

Sec. E-703. Provisions for Future Stoker-Firing.

All hand-fired boilers shall be so set as to later permit the installation of a stoker in accordance with the provisions of this code without major alterations such as pitting, raising the boiler, moving boiler enclosure walls.

Section 19. That Sec. E-704 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and it is hereby repealed and that a new section, to be known as Sec. E-704, which shall read as follows, be and it is hereby substituted therefor:

Sec. 704. Combustion Space for Stokers and Oil Burners.

Boilers of the cast-iron sectional type or the steel self-contained water leg type, when stoker-fired, shall have combustion space so that the heat release is not more than 60,000 B.t.u. per cubic foot per hour.

Boilers having complete refractory furnace walls, when stoker-fired, shall have combustion space so that the heat release is not more than 45,000 B.t.u. per cubic foot per hour.

Section 20. That Sub-Sections (a) and (c) of Sec. E-705 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and they are hereby repealed and that the sub-section designation "(b)" be removed from the remaining text of this section.

Section 21. That Sec. E-708 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and it is hereby amended by striking "E-705" from the fourth line thereof and by substituting "E-706" therefor.

Section 22. That Sec. E-709 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and it is hereby amended by striking "E-705" from the last line thereof and by substituting "E-706" therefor.

Section 23. That Sub-Section (a) of Sec. E-710 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and it is hereby amended to read as follows:

(a) All hot water boilers shall be equipped with a dead weight safety valve, or with a diaphragm-type spring loaded relief valve, approved by the Commissioner of Buildings.

Section 24. That Sub-Section (b) of Sec. E-802 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and it is hereby amended by striking from the third and fourth lines thereof the words "according to the boiler rating as provided in Sections E-703 and E-704".

Section 25. That Sub-Section (d) of Sec. E-812 of Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and it is hereby amended by striking out the words, "composed of wire netting".

Section 26. That Division E of Section 865 of General Ordinance No. 121, 1925, as amended, be and it is hereby amended by striking therefrom graphs or charts, known as Figures 11, 12, 13, 14, 15, and 21, appearing on Pages 656, 657, 658, 659, 661, and 664 respectively.

Section 27. This ordinance shall be in full force and effect from and after its passage, approval by the Mayor, and publication according to law.

Which was read the first time and referred to the Committee on Public Safety.

By the City Plan Commission:

GENERAL ORDINANCE No. 70, 1942

AN ORDINANCE to amend General Ordinance No. 114, 1922, commonly known as the Zoning Ordinance, and fixing a time when the same shall take effect.

BE IT ORDAINED BY THE COMMON COUNCIL OF THE CITY OF INDIANAPOLIS, INDIANA:

Section 1. That the U-2 or Apartment District, the A-4 or 1200 sq. ft. Area District, and the H-1 or 50 ft. Height District be and the same is hereby amended, supplemented and extended so as to include the following described territory.

Parcel 1. Beginning at the intersection of the North property line of West Twenty-first Street with the West property line of the first alley West of Boulevard Place; Thence North on and along the West property line of the first alley West of Boulevard Place a distance of one hundred five feet (105') to a point; Thence West and parallel to the North property line of West Twenty-first Street to a point on the East property line of the first alley West of Wendell Avenue; Thence South on and along the East property line of the

first alley West of Wendell Avenue to the North property line of West Twenty-first Street; Thence East on and along the North property line of West Twenty-first Street to the West property line of the first alley West of Boulevard Place, the point or place of beginning.

Parcel 2. Beginning at the intersection of the South property line of West Twenty-first Street with the West property line of the first alley West of Boulevard Place; Thence West on and along the South property line of West Twenty-first Street to the East property line of the first alley West of Highland Place; Thence South on and along the East property line of the first alley West of Highland Place a distance of eighty-five feet (85') to a point; Thence East and parallel to the South property line of West Twenty-first Street to the East property line of Highland Place; Thence South on and along the East property line of Highland Place a distance of four feet (4') to a point; Thence East and parallel to the South property line of West Twenty first Street to the West Property line of the first alley West of Boulevard Place; Thence North on and along the West property line of the first alley West of Boulevard Place to the South property line of West Twenty-first Street, the point or place of beginning.

Section 2. This ordinance shall be in full force and effect from and after its passage, approval by the Mayor, and publication according to law.

Which was read the first time and referred to the City Plan Commission.

ORDINANCES ON SECOND READING

Mr. Ropkey called for Appropriation Ordinance No. 18, 1942, for second reading. It was read a second time.

On motion of Mr. Ropkey, seconded by Mr. Wood, Appropriation Ordinance No. 18, 1942, was ordered engrossed, read a third time and placed upon its passage.

Appropriation Ordinance No. 18, 1942, was read a third time by the Clerk and passed by the following roll call vote:

Ayes, 8, viz: Mr. Campbell, Dr. Hemphill, Mr. Moore, Mr. Moynahan, Mr. Ropkey, Mr. Ross, Mr. Wood, President Bach.

Mr. Wood called for General Ordinance No. 63, 1942, for second reading. It was read a second time.

On motion of Mr. Wood, seconded by Mr. Ropkey, General Ordinance No. 63, 1942, was ordered engrossed, read a third time and placed upon its passage.

General Ordinance No. 63, 1942, was read a third time by the Clerk and passed by the following roll call vote:

Ayes, 8, viz: Mr. Campbell, Dr. Hemphill, Mr. Moore, Mr. Moynahan, Mr. Ropkey, Mr. Ross, Mr. Wood, President Bach.

Mr. Wood called for General Ordinance No. 64, 1942, for second reading. It was read a second time.

Mr. Wood made a motion that General Ordinance No. 64, 1942, be stricken from the file. The motion was seconded by Mr. Ropkey and passed by the following roll call vote:

Ayes, 8, viz: Mr. Campbell, Dr. Hemphill, Mr. Moore, Mr. Moynahan, Mr. Ropkey, Mr. Ross, Mr. Wood, President Bach.

Mr. Wood called for General Ordinance No. 65, 1942, for second reading. It was read a second time.

On motion of Mr. Wood, seconded by Mr. Moore, General Ordinance No. 65, 1942, was ordered engrossed, read a third time and placed upon its passage.

General Ordinance No. 65, 1942, was read a third time by the Clerk and passed by the following roll call vote:

Ayes, 8, viz: Mr. Campbell, Dr. Hemphill, Mr. Moore, Mr. Moynahan, Mr. Ropkey, Mr. Ross, Mr. Wood, President Bach.

Mr. Wood called for General Ordinance No. 66, 1942, for second reading. It was read a second time.

On motion of Mr. Wood, seconded by Mr. Ross, General Ordinance No. 66, 1942, was ordered engrossed, read a third time and placed upon its passage.

General Ordinance No. 66, 1942, was read a third time by the Clerk and passed by the following roll call vote:

Ayes, 8, viz: Mr. Campbell, Dr. Hemphill, Mr. Moore, Mr. Moynahan, Mr. Ropkey, Mr. Ross, Mr. Wood, President Bach.

Mr. Wood called for Special Ordinance No. 3, 1942, for second reading. It was read a second time.

On motion of Mr. Wood, seconded by Mr. Moynahan, Special Ordinance No. 3, 1942, was ordered engrossed, read a third time and placed upon its passage.

Special Ordinance No. 3, 1942 was read a third time by the Clerk and passed by the following roll call vote:

Ayes, 8, viz: Mr. Campbell, Dr. Hemphill, Mr. Moore, Mr. Moynahan, Mr. Ropkey, Mr. Ross, Mr. Wood, President Bach.

On motion of Mr. Moore, seconded by Mr. Ross, the
Common Council adjourned at 8:10 p. m.

Ollie A. Baeh

Attest:

President.

John M. Layton

City Clerk.

(SEAL)