PAGES 1 TO 6.

VOL. XXXVII—NO. 43.

OMAHA, SUNDAY MORNING, APRIL 12, 1908.

3-Non-Amerikan-Amerik

SINGLE COPY FIVE CENTS.

A. J. LOVE, President

FRANK J. HASKELL, Secretary

Brennan-Love Company

CERTIFICATE OF PUBLICATION, STATE OF NEBRASKA, OFFICE OF AUDITOR OF PUBLIC ACCOUNTS, LINCOLN, Feb. 1, 1908.

IT IS HEREBY CERTIFIED, That the American Bonding Insurance Company of Baltimore, in the State of Maryland, has compiled with the insurance law of this state, applicable to such companies, and is therefore authorized to continue the business of Fidelity Surety Burglary Insurance in this state for the current year ending January 31st, 1909.

Summary of Report Filed for the Year Ending December 31st, 1907:

INCOME Premiums\$756,624.58
All other sources 55,236.18
Total\$ 811,660.76 DISBURSEMENTS

All other payments 610,221.79
Total\$1,016,257.26 ADMITTED ASSETS

ities 202,670.47 702,670.47

Total\$1,436,761.17 Witness my hand and the seal of the Auditor of Public Accounts the day and year first above written. E. M. SEARLE, JR.

(Seal.) Auditor of Public Accounts,
JOHN L. PIERCE, Deputy.

CERTIFICATE OF PUBLICATION STATE OF NEBRASKA, OFFICE OF AUDITOR OF PUBLIC ACCOUNTS. LINCOLN, Feb. 1, 1903.

IT IS HEREBY CERTIFIED, That the Calumet Insurance Company of Chicago, in the state of Illinois, has compiled with the insurance law of this state applicable to such companies and is therefore authorized to continue the business of Fire. Lightning and Tormado Insurance in this state for the current year ending January 21st, 1809.

Witness my hand and the seal of the

Witness my hand and the seal of the Auditor of Public Accounts, the day and year first above written.

E. M. SEARLE, JR.

(Seal.) Auditor of Public Accounts.

JOHN L. PIERCE, Deputy.

CERTIFICATE OF PUBLICATION. STATE OF NEBRASKA, OFFICE OF AUDITOR OF PUBLIC ACCOUNTS.

LINCOLN, Feb. 1, 1908. TT IS HEREBY CERTIFIED, that the Spring Garden Insurance Company of Philadelphia, in the state of Pennsylvania, has compiled with the Insurance law of this state, applicable to such companies and is therefore authorised to continue the business of Fire and Lightning Insurance in this state for the current year ending January 31st, 1909.

Willess my hand and the seel of the

Wilress my hand and the seal of the Auditor of Public Accounts, the day and year first above written.

E. M. SEARLE, JR.

(Seal.) Auditor of Public Accounts.

JOHN L. PIERCE, Deputy.

Every Known Kind of Insurance

Room 1, New York Life Building

'Phones Douglas 380. Independent 1380

INSURANCE is our business - not a sideline. We employ expert help in every department, and give our business our own direct personal attention, Not "Some of the time," BUT ALL THE TIME!

Nebraska State Agents For the Following Companies

AMERICAN BONDING COMPANY of Baltimore...

Fidelity, Court, Contract Bonds, Bank, Residence and Burglary Insurance of every description.

TRAVELERS' INSURANCE CO., of Hartford. Employers' Liability and Automobile Insurance.

NEW YORK PLATE GLASS INSURANCE CO., of New York. CALEDONIAN INSURANCE CO., of Scotland. NATIONAL FIRE INSURANCE CO., of Hartford.

STATE INSURANCE CO., of Nebraska.

If you are a Banker, Real Estate Agent or Insurance Man and desire to represent companies in any line of insurance, the facilities of our office are at your disposal. We desire agents in every city, town or hamlet in Nebraska where we are not already represented,

We Represent Locally the Following Fire Companies in Addition to the Above

CITIZENS INSURANCE CO., of St. Louis. CALUMET INSURANCE CO., of Chicago. NORTH BRITISH MERCANTILE INSURANCE CO., of England PHENIX INSURANCE CO., of Brooklyn. SPRING GARDEN INSURANCE CO., of Philadelphia. SUN INSURANCE OFFICE, of England. SHAWNEE FIRE INSURANCE Co., of Topeka, Kan.

We Insure Anything Anywhere

Stability

Accuracy

Promptness

Courtesy

CERTIFICATE OF PUBLICATION.

STATE OF NEBRASKA, OFFICE OF
AUDITOR OF PUBLIC ACCOUNTS.

LINCOLN, Feb. 1, 1808.

IT IS HEREBY CERTIFIED, That the
Sun Insurance Office of London, England,
has complied with the insurance law of
this state, applicable to such companies
and is therginge subtorined to continue
the business of Fire and Lagtning Insurance in this state for the current year
ending January Sist, 1909.

Witness my hand and the seal of the
Auditor of Public Accounts, the day and
year first above written.

E. M. SEARLE, JR.

(Seal.) Auditor of Public Accounts.
JOHN L. PIERCE, Deputy.

CERTIFICATE OF PUBLICATION.
STATE OF NEBRASKA, OFFICE OF
AUDITOR OF PUBLIC ACCOUNTS.

LINCOLN, Feb. 1, 1905.

IT IS HEREBY CERTIFIED, That the
Phenix Insurance Company of Brooklyn,
in the state of New York, has compiled
with the insurance liw of this state, applicable to such companies and is therefore
authorized to continue the business of
Pire, Lightning and Ternado Insurance
in this state for the current year ending
January Sist, 1908

Witness my hand and the seal of the
Auditor of Public Accounts the day and
year first above written.

E. M. SIDARLE, JR.
(Seal.) Auditor of Public Accounts.
JOHN I. PIERCE, Deputy.

CERTIFICATE OF PUBLICATION, STATE OF NEBRASKA, OFFICE OF AUDITOR OF PUBLIC ACCOUNTS. LINCOLN, Feb. 1, 1908.

LINCOLN, Feb. 1, 1908.

IT IS HEREBY CERTIFIED, That the Shawner Fire Insurance Company of Topeka, in the state of Kansas, has complied with the insurance law of this state, applicable to such companies and is therefore authorized to continue the business of Fire, Lightning and Tornado Insurance in this state for the current year ending January 21st, 1909.

Witness my hand and the seal of the Auditor of Public Accounts, the day and year first above written.

E. M. SEARLE, JR.

(Seal.) Auditor of Public Accounts.

JOHN L. PIERCE, Deputy.

CERTIFICATE OF PUBLICATION.

STATE OF NEBRASKA. OFFICE OF AUDITOR OF PUBLIC ACCOUNTS.

LINCOLN, Feb. I, 1903.

IT IS REREBY CERTIFIED, That the North British and Mercastile Insurance Company of London and Edinburg. England, has compiled with the insurance law of this state, applicable to such companies and is therefore authorized to unfune the business of Fire and Lightning Insurance in this state for the current year ending January Sist, 1909.

Witness my hand and the seal of the Auditor of Public Accounts, the day and year first above written.

E. M. SEARLE, JR.

(Soal.) Auditor of Public Accounts.

JOHN L. PIERCE, Deputy.

CERTIFICATE OF PUBLICATION, STATE OF NEBRASKA, OFFICE OF AUDITOR OF PUBLIC ACCOUNTS, LINCOLN, Feb. 1, 1908. LINCOLN, Feb. 1, 1908.

IT IS HEREBY CERTIFIED, That the Caledonian Insurance Company of Edinburgh, Scotland, has compiled with the insurance law of this state, applicable to such Companies and is therefore authorized to continue the business of Fire and Lightning Insurance in this State for the current year ending January Sist, 1909.

Witness my hand and the seal of the Auditor of Public Accounts the day and year first above written.

E. M. SEARLE, JR.

(Seal.) Auditor of Public Accounts,
JOHN L. PIERCE, Deputy.

FIRE PREVENTION PROBLEMS

fully as Important as Means of Fightit After it Starts.

IMPROVED CONSTRUCTION ONE

Mechanical Devices for Extinguishing Them in Inciplency-All Tend to Decrease Insurance

In the March number of the Business World it was stated that fire prevention must be regarded not only from the standpoint of preventing a fire from originating, after it has once made headway. To prevent the spread of a fire numerous devices of windows immediately above. are in use today, such as fire palls, private facilities in a few years, in addition to net-

and planning of the building. From the standpoint of fice prevention, buildings may be grouped into four main classes, viz : ning the building. Available fire protection, such as fire service tanks, pumps, bol'ers, located in inaccessible places, and all communications between floors should be so oues in spreading throughout the building. Special hazards, such as the heating plant, air should be secured without creating exposure and draft conditions. If the nature also be subdivided into several fire areas, and the most dangerous processes in the where fire most frequently occurs, are in too many cases situated above the finishing room, with its large stocks of finished goods, although such a position for the card room is entirely unnecessary for the economical operation of the mill. A fire occurring in the card room will naturally result in an unnecessary water damage to stock below, the loss frequently exreeding several times the damage done by

A fireproof building may be characterized as possessing four chief features. It should be of steel cage construction, and should have all of its structural members safely

cations between floors for freight or pas- ways." contents on any floor may burn with the of its exposure to surrounding

against the large loss in time, convenience be carefully separated. This fact cannot be full force of an outside fire. If fire depends primarily upon the construction generally misunderstood than the fireproof same time, overlooks the fact, strangely burning." fireproof, semi-fiveproof, slow burning and enough, that glass windows are not fire Fireproof Buildings in Recent Fires. ordinary buildings. As regards each the resisting. Even underwriters in estimating greatest care should be exercised in plan- rates on fireproof buildings and their con- cisco conflagrations the fact was brough ing the height and depth of a building, against an outside fire than ordinary plate- there were present many deficiencies in the Elevators and stairways should not be glass in a wooden such and frame is even construction of such buildings which might protected that fire may not seek these ave- ordinary building of wooden joisted con- "fireproof" structures are concerned, have

out the building, or it may be of reinforced largely, if not entirely, lost if the building partly because there was no such apparent concrete construction with the reinforcing has well holes, or if staircases and elenembers similarly insulated. All commun- vators are not cut off by fireproof hall-

sengers, such as stairways and elevators. It should also be noted that the public shafts, and all horizontal tiers of windows portance of exposure to fireproof buildshould be fitted with wire glass in fire- ings. The danger of fire to contents within proof frames. A fireproof building should a fireproof building is much greater bese designed so as to constitute a stove, and cause of the presence of a poor risk in terials should be so constructed that the a fireproof building radiates very little least danger to the building and with the "Probably no class," writes Mr. F C. least possibility of the fire spreading to Moore, "of risks is more inadequately dows are not fitted with wire glass the from exposure than fireproof buildings, bechances are that a fire on a given floor, cause rating bureaus so frequently oversince it cannot go up or down, owing to look the obvious fact that plateglass and the fireproof construction and the protected wooden window frames and sash are not floor communications, will be forced out fireproof, and that a so-called fireproof. but also preventing the spread of a fire through the windows, and will thus com- building offering nothing more substantial municate to upper stories through the tier to an outside fire than plateglass has no greater fire resisting properties than an It is needless to say that a great many ordinary showcase would present. More fire departments, standplpes, thermostats. buildings called "fireproof" are not fire- than 75 per cent of the fireproof structures automatic sprinklers and chemical extin- proof at all, and it is interesting to note of the country have window openings to guishers. The adoption of these devices in how many well informed people are wedded the extent of from 40 per cent to 55 per mercantile risks, it was shown, result in a to the belief that noninflammable things cent of the superficial area of each enreduction in the building rate varying from are fireproof, and that a fireproof building closing wall which are not protected by 60 to 75 per cent-a reduction so large that gives this quality to its contents. On the fireproof shutters, Heat from a burning the saving in the annual premium will in contrary, it appears that goods in fireproof building across a wide street finds ready many cases pay for the fire extinguishing buildings will burn fiercely-in fact, will, entrance through such openings, and the in many instances, burn more fiercely than various fireproof floors serve only to hold, ting a good return on the capital expended when situated in other buildings. Because like a great gridiron, ignitable merchanfor such facilities. Their introduction also of this fact it is highly important that dise in the most favorable form of distrigives to the property owner added security the floors of a fireproof building should bution for ignition and combustion, to the and business which follows in the wake of too strongly emphasized. Mr. F. C. Moore, secures entrance to a fireproof building in his "Fire Insurance and How to Build," through the windows of any store, the con-The prevention of the spread of a fire, remarks: "It is probable that few sub-tents of such a store, especially if at a after it has once obtained a good start, jects connected with construction are more great height from the floor, are almost certain to be destroyed, and the danger of building. The average individual regards ignition is greater where the fireproof tron and stone as fireproof. He, at the structure is higher than the one which is

In the recent Baltimore and San Fran tents often overlook the fact that a build- out very strikingly that so-called "fireing intended to be fireproof, but offering proof" buildings after all are not firenothing more substantial as a fire shield proof, as generally supposed, and that more likely to have its contents thoroughly easily have been averted. The statistics struction; for the fireproof structure, as been carefully compiled, and show that wooden joisted building, on the other hand, striking fact is to be attributed mainly

need for fire protection and partly because of the impossibility of the fire department approaching them during the conflagration. In San Francisco likewise, the conflagra-

future construction of such buildings. Tercotta, so generally used in San Francesco. if used for the storing of combustible ma- the near neighborhood. On the other hand, was shown to be wholly inadequate. Wherever steel work was protected by terra cotta the covering was in nearly every case torn off and destroyed. As stated in one of the reports of the performance other floors. If the horizontal tiers of win- treated in the matter of computing danger of different fireproofings in the San Fran- graph building the granite columns in the ters. The door now commonly used is made cisco fire: "When terra cotta was used the partitions fell down, the fireproofing around the columns came off, and a very shape." In most cases the fireproofing of columns was of terra cotta. With the destruction of the column covering by the excessive heat, little protection was left, and the result was that very few buildings in San Francisco did not present the sight of badly bent or buckled columns. As contrasted with terra cotta, concrete stood the test of the confingration well in nearly every instance, little or no damage resulting to steel work which was fireoutside covering was torn off, it seems tense stage, thus enabling the inner cover-Stone vs. Brick in Wall Construction.

The best material for the construction of walls is hard burned brick. Stone contrary to common opinion, is a very undesirable building material, and if used exweight, may serve as a means of wrecking the entire building. One of the most prominent fire preventing experts in the country, in speaking of this declares that: "The best fire resisting material for walls, it may be safely asserted, is hard burned destroyed by an exposure to fire than an for the Baltimore conflagration, so far as brick. It is also the best material for the floor arches between the iron beams of fireproof buildings. It is incomparably already stated, holds its merchandise and the insurance loss on such buildings was better than stone, because stone is utterly should be properly isolated, and light and the other contents suspended where they in almost the same ratio as on the ordi- unreliable for resisting fire, especially the will be more effectually destroyed. The nary buildings and combustible stock. This linestone, granites, marble, etc. in fact, stone is a dangerous material wherever would probably collapse, and no small sai- to the large damage done to such buildings it is subjected to fire and water, and carvage might be realized out of heaps of and the comparatively small amount of ries a heavy super-imposed weight. After merchandise in the cellar so covered up insurance held as compared with the value the great Boston fire granite piers and business should be located where they will that combustion would be retarded for want of the structures. Of the seven so-called columns were shoveled up like so much do the least harm to the rest of the plant. of air, on the same principle that a pile of fireproof "skyscrapers," of steel cage con- sand. Notwithstanding these facts, stone wood shavings is seldom invaded by fire struction, it appears that 64 per cent, or enters into most ordinary structures to the to a greater depth than ten or twelve nearly two-thirds, of the value of these extent of being incorporated as important buildings, was destroyed. This large pro- members of piers and walls. In some cases "A further reason why the contents of portion becomes still more striking when piers or columns are built entirely of stone fireproof buildings are so thoroughly de- it is remembered that these seven buildings Such architecture is simost certain to restroyed when once ignited is that the fire- were all used exclusively for offices, and sult in disaster, especially where stone is proof construction, like a reverberating fur- contained but small amounts of combusti- a weight carrier, and is located in the innace or oven, confines the heat until ex- bles which could have caused a serious and terior of a building and subjected to the tremely high temperatures are reached prolonged fire. As a matter of fact, fire combustion of surrounding merchandise indeed, firemen who have had experience swept in and out of some of these big In the outer walls of a building it is not in fighting fires in fireproof buildings claim office buildings in the course of an hour, so dangerous, although almost certain to spaced from five to twelve feet apart, such than 15 per cent of its value, a reduction that it is almost impossible to remain on and the opinion prevails among experts be defaced to the extent of requiring rea floor where merchandise is on fire, so that had these buildings been filled with placement. In interior construction, even ta the combustion. Everything large quantities of combustibles the loss where bond stone and cap stones are used ignitable is shriveled up. The principal ad- would certainly have been much greater. in brick piers, it may wreck the buildvantage, therefore, after all, of a fireproof and ir, all probability might have been a ing. . . The apathy of building departbuilding is the separation of the various total loss. These skyscrapers were prac- ments, architects, masons and legislators,

terial, is utterly incomprehensible to me. should be encased in fireproof cut-off is altogether too apt to minimize the im- tion tested thoroughly the various types glass, terra cotta or porcelain would ac- normal conditions for a fire to burn through of fireproof steel structures and gave to tually stand the effects of fire and water the flooring. Before this is accomplished the world a most valuable lesson as to the for a longer time probably than granite it is presumed that the fire department will or marble columns." (H. C. Moore, in be able to get the fire under control and "Fire Insurance and How to Build," page prevent its spread,

> Of all the materials used in the fronts of the buildings in San Francisco, stone showed by far the worst effects in the signed to retard the rapid spread of fire. recent conflagration. In the Postal Tele- The first of these are the floors and shutfirst story almost entirely disappeared of wood covered with metal and provided through the splitting and crumbling of the with special lock jointed tin plates. The stone. According to one report: "This is idea is to allow the wood to earbonize in large proportion of the floor arches either true of every place where the case of great heat and to permit the gas fell out of the bottom plates or the arches flames or heat touched the stone; it spalled resulting from the carbonizing of the wood broke off and left the arches in a very bad off and left the fronts in such a bad condi- to escape through the lock joints instead of tion that they will probably have to be permitting it to accumulate and throw off taken down." Terra cotta did not resist the metal sheets. As the wood carbonizes

From the above facts its is evident that together, thus preventing the passage of the iron work of a fireproof building should the fire. be carefully insulated from heat, and that Wire glass is also of considerable imporof the building. An ideal fireproof building sush is fireproof and when the glass is has been defined as "one consisting of sub- double, with an air space between, stantial walls of brick, well burned brick glass in most cases serves a better purpose proofed with this substance. Another form being a better fire resistant than any other than shutters, because the latter must not of column covering which withstood the material; with all iron work protected by only be closed to become effective, but will fire well consisted of two thicknesses of fireproof material; with all floors properly wire lath and plaster, with an air space out off from each other; the staircases and over, where there is not an exposing risk between them. While in many cases the elevators in hallways; and all passages from to be guarded against, shutters are regarded of the preceding \$100,000." one floor to another, whether in the shape by many underwriters as a nuisance. to have resisted the fire during the most in- of channels for plumbing, gas or other should be remembered, however, that wire pipes, electric wiring, or shafts for dumb- glass radiates heat, so that in case of a selves being fireproof, without floor boards, combustibles within the building and near the surface being of concrete or asphalt, the glass may ignite. In this respect wire \$100 of insurance in case only 15 per and inclined, with scuppers through the glass is inferior to well designed shutters. nide of the walls so arranged as to drain off any water which might be thrown by a tensively, especially for supporting heavy fire department, and protect the floors or proof buildings the most important point to merchandise beneath the one on fire."

Semi-Fireproof Buildings. they contain will make it extremely unlikely as one extreme of insurance, and the full impair the ironwork in the building.

Slow burning or "mill construction" buildbuildings are without openings, and consist is also prescribed that there must be a ence of the extra insurance. tight top flooring, with waterproof paper which must never be less than three inches surance on a fireproof building exceeds in in thickness. The aim of such requirements per cent of its value is as follows. Assume stories from each other, and this may be tically without any form of fire protection, and of some underwriters, in this matter is to separate the different stories by a a fireproof building to be worth \$1,000,000

to construct the building in such a manner If columns of a building were constructed that, even though large stocks of combustof glass or of porcelain there would be an | ible material may be contained in the buildimmediate outcry, and yet well annealed ing, it would require several hours under

Fire Doors and Shutters. A number of special features must be noted in the construction of buildings, de-

the effects of heat and fire much better the charcoal will drop to the bottom of the metal covering, but the metal will hold

stone should not be used in vital portions tance. It gives splendid protection when the deteriorate if not properly cared for. Morewaiters, in fireproof shafts; the floors them- severe exposing fire it may happen that Rating of Fireproof Buildings.

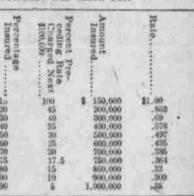
In applying the rating schedule to fire Semi-fireproof buildings differ from fire- of insurance carried in order to determine proof buildings in so far that, while con- the rate than in the case of fireproof buildstructed of non-inflammable material, they ings. According to the universal mercantile are equipped with structural or tension schedule, a certain percentage of the value metal members which have not been of fireproof buildings (15 per cent) covers properly insulated against heat or have the wooden trimmings, window and door been left entirely exposed. These buildings frames, fresco work, plate glass, and other are constructed because of their greater features which are considered as destructcheapness as compared with fireproof build- ible. It follows, then, that if a fireproof ings, and because the prevailing building building is insured for only 15 per cent of code in many cities does not prevent their its value, the rate should approximate that construction. They are crected very often on the ordinary brick building, because in to serve for office purposes or as dwelling per cent of the value of a fireproof building houses, or for other uses of a similar char- is considered as destructible by fire. This acter, in which it is presumed that the percentage of 15 per cent is, therefore, relimited amount of combustible stock which garded in the universal mercantile schedule that sufficient heat will be generated to value of the building (100 per cent) is regarded as the other extreme. The rule adopted by the universal mercantile schedule is that, if the owner of a fireproof ings are to be distinguished from semi-fire- building insures it only to the extent of the proof buildings. The floors in slow burning per cent of its value, he must pay the flat rate, as found in the schedule used. If. of heavy plank laid on heavy timbers however, the building is insured for more limbers resting on stout wooden posts. It is granted in the rate because of the exist-The reasoning which underlies the redu-

between it and the plank flooring below, tion in the rate in case the amount of in-

of the value of the building, or \$150,000) be 100 cents per \$100 of insurance, or 1 p cent. The premium for \$150,000 of insura (or is per cent of the value) would, ther property should agree to carry \$200,000 of it surance, or 20 per cent of the value of th building instead of only 15 per cent, t extra \$60,000 of insurance could be assum by an underwriter at a much smaller r than the rate charged for the first \$150, of insurance. As the universal sched committee says: "An underwriter, havi already \$200,000 on a fireproof builds offering an additional \$100,000, would ha presented to him, in fixing the rate, pra-tically the same consideration which deta mines the rate in the case of what known as 'excess insurance.' He would aiready liable for all partial losses (sin 15 per cent of the value of the building is only considered destructible by firs and his extra \$100,000 could not be call upon until his \$300,000 had been exhaust In this view he could afford to write t extra \$100,000 at a materially lower r

than his \$200,000 " The schedule table used in rating fir proof buildings fixes the rate for the fir \$100,000 of insurance above the first \$200.6 charged for \$200,000. "In like manner each subsequent \$100,000 of additional insuran must be regarded in the nature of exc insurance, and would be written at a 5 " cent less percentage of the rate than the

The reduction given for each \$100,000 extra insurance is exemplified by the lowing table, which was computed upon hypothetical example of a million-de building with a rate equal to 100 cents p insurance was taken out:



necessary. Thus, taking the first line of table, it appears that, if the owner of fireproof building worth \$1,000,000 insu only 15 per cent of its value, the amo of insurance will equal \$150,000; the rate cents per \$100 of insurance, or 1 per ce and the total premium paid by the own would be \$1,500. Suppose now that property owner agrees to insure 20 per c of the value of the building. According the table the universal mercantile sche will permit the extra \$50,000 to be taken a rate equal to only 45 per cent of the

on the preceding \$150,000 of insurance. The problem now is to compute the on \$200,000 of insurance. This may be for in the following way: The \$150,000 of ins ance we saw required a premium paym

(Continued on Page Two.)