# New York's Forty-Two Story Building

OF FIRE PROTECTION.

Will one of the future disasters that congested conditions in lower Broadfrom loss of life and property shock way. the entire civilized world result from | The Park Row building in New York is

regulated cities will be unavailing? | the air.

their eerie funeral pyres?

pertinent to all occupants of sky-scrapers through the prophecy of George W. Babb, president of the New York hand fire underwriters, that York board of fire underwriters, that Little more than a soaring ornament in also may apply to ultra high buildings Masonic Temple of Chicago.

the payment of huge insurance liabili- the immediate attention of the passerby. face with the certainty, under existing of great area nurses the hottest fires. It is not only not beyond the range of other, sooner or later, they will have a conflagration that will sweep of the rest of the

"With our present unlimited height of buildings in the financial center, TO GUARD AGAINST FLAMES. where the streets are being convert- The danger from fire and the impossied into narrow canyons by the walls bility of its being fought in the higher of thirty and forty story buildings, we stories by ordinary fire apparatus has are courting disaster," said Mr. Babb been recognized by the constructors of the before a commission appointed by the Singer building, and every possible precaubuilding codes revision committee of tion has been taken to prevent such a disthe board of aldermen of New York. aster. The San Francisco disaster has an uncontrolled wave of flame."

Does the same danger confront Chi-Does the same danger confront Chi-cage? The opinion of the New York gallon tank on the 29th floor, a 7.000-gallon tions, a speed of seven knots. fire underwriters was advanced as the tank on the 42nd floor, just under the Rupert England, R.N.R., who was sec- Captain England has instructions to result of an agitation to prevent the lantern. continuance of the erection of such buildings as the new Bourne-Singer gallon tank in the Bourne building, which, structure, which is now almost completed to its full forty-two stories, ex- the foundation for the tower, and three tending 625 feet in the air, only fif- 6,000,-gallon tanks in the Singer building teen feet less than twice the height proper. of the Masonic Temple in Chicago, until within the past year the tallest office building known. The Singer building, as it has come to be known. is now the highest structure in the every minute through the foundations on world built by the ingenuity of hu- ach floor, and down the throats of thirsty cal work. man engineers, save the Eiffel Tower. occupants.

CASTORIA The Kind You Have Always Bought

WILL BE 652 FEET ABOVE THE | The French "wonder of the world" PAVEMENT - THE SKYSCRAP. was not designed as a business habi-ERS RAISE GRAVE QUESTION tation for human beings during half ture. gineering freak simply; while the Singer building is a practical test of a pressing need; the outgrowth of the

the building of skyscrappers hundreds 309 feet to the top of its roof, but it has a tower extending 382 feet above the side-Will these supposedly fireproof walk. A recent addition to New York's Will these supposedly fireproof group of skyserapers is the City Invest-structures be at some time death ment Company's building, near the Singer traps in which will be caught the unfortunate denizens who occupy offices of St. Peter's in Rome is 400 feet high, so far up toward the clouds that the while the mountainous bulk of the highest fire-fighting apparatus of the best Egyptian pyramid has its peak 485 feet in

Will the occupants of the upper SINGER BUILDING ECLIPSES ALL. floors of skyscrapers one day be But all these heights of many-constructcompelled to choose between a pre- ed edifices pale into insignificance when cipitous jump from a suicidal height compared with the Singer building. The through a mass of roaring flames suf- tower itself is to be completed before the ficient to kill, or slow suffocation from beginning of cold weather makes work imsmoke and consumption by fire on practical, and will be 625 feet above the sidewalks of Broadway and Liberty street, These questions have been made on the corner of which it stands. At its pertinent to all occupants of sky- top will be a huge lantern, the dimen-

such a disaster is inevitable. Mr. the perspective of the building, this bea-Babb's declaration came in the course con light to mariners out on the ocean, of consideration of the flxing of a and guiding star to tourists seeking the limit to which skyscrapers in the throbbing business center of Gotham, will metropolis may be built, and the be 61 feet square at the base, 60 feet high, proximity to each other in which they 28 feet wide at the top. The tower will be may be erected. His observations applied to New York in particular, but also may apply to ultra high buildings

The height of this building is so great He was speaking from the practical that, although it is being surrounded by standpoint of a representative of a other skyscrapers that are advanced exvast body of businessmen who may emples of the best in modern engineering be called upon at any time to face skill, it towers above them all, attracting ties. He declared that in New York "Fire experience has taught," Mr. Babb

fire insurance companies are face to said to the commission, "that a high build-"the roof of the financial district," and beating across the street from the windows that as an outcome the underwriters on the top floor to other buildings. All will be unable to pay more than 20 systems of sprinklers and all attempts at or 25 cents on the dollar on the risks fireproofing would not avail in the least in an instance of this kind.

Mr. Babb upheld his declarations by way that when the edge of the skyscraper a reference to the experiences of the zone was reached there would be a blaze San Francisco fire, following the earth- of such proportions as to imperil the favorable circumstances when once a fire is sweeping uncontrolled."

Although there will be nothing in this inserted, and having tank on the 39th floor, and a 3,000-gallon

These will be independent of the 5,000with the Singer building proper, makes

Surely if water alone were sufficient to stop a conflagration such as the insurance men fear there would be sufficient. But the men who would put a low limit on the

all the newer skyscrapers. Again, in the high office buildings the danger to occupants in case of panic from fire or any other source it was once thought would be a deterrent feature in making them profitable investments. When the plans of the Singer tower were first made public, this question was one of

paramount agitation. A quarter of a mile up in the air is a pretty high altitude at on elevators.

### **PEER\*** IS GOOD FOR MOST FOLKS (HARDLY ANOTHER BEVERAGE FEEDS SO WELL)

EER really excels milk as a food-drink for most grown people. And many, many people cannot digest milk easily, because it is so lacking in solid food-contents.

Moreover, milk is so liable to contagion that it is seldom pure when we get it in the cities. But Ontariobrewed beer is really pure,-brewed in cleanliness, of sound materials, in a sanitary way, and brought to the user in the same fit-to-drink state.

## Beer Is No Stimulant

Drink beer with meals and at bedtime, as an item of diet that will help the stomach do its work better, and will feed the body besides. Don't choose beer as a stimulant, though,-it does not contain enough alcohol for that. Use it as a food-drink that induces lazy stomachs to do their work well, and so helps them get more good out of all food.

# Beer Makes Better Nerves

Ontario beer is not only deliciously appetising and refreshing, because brewed of pure malt and hops only; but, besides, all the power that hops possess to repair nerve wastes is kept in these brews. That is what makes beer so particularly good for women to drink regularly. Ask your own doctor what he thinks of beer for your household.

And of what avail would fire escapes be on the walls of a building 625 feet high?

These were questions which it was thought would deter even hardy city people, insured every day to risking their lives, from renting offices in such a struc-

Four elevators will run from the level of Broadway to the 34th story of the Singer tower, being the longest elevator run in existence. Another will carry tenants and their visitors from the 34th to the 38th story. Not much chance of escape by way of the elevators, in the event of a

The necessity for such buildings in New York, or the desirability, is indicated by city blocks surrounding it. These blocks, or most of them, are not large, however. limit as to height as the fire underwriters | the side opposite that of impact. There is suggest becomes apparent, and, to all ap- no guesswork about these points. Their pearances, prohibitive, even though the location is worked out with the greatest risk to property and life is imminent.

above the pavements it would gain veloc- ing may be, the same process of calcula ity much more rapidly than would be pos- tion must be followed, and when a strucsible in cases of fires starting on lower ture is run up to an extraordinary height floors, such as would be confined within the problem for the engineer remains the the limit New York is asked by the under- same, except that he must base his calcuwriters to establish. The question of com- lations on the additional height. hating the increased wind force at a high

the United States meteorological report for fifty years, in order to secure the benefits of all human experience available. From these sources and in other ways he calculates the force that would be exerted against the proposed building if a wind of, say 100 miles an hour were to blow against the building for a considerable length of winds of extremely high velocity seldom' are maintained.

PROVISIONS MADE IN PLANS. "A high wind striking the surface of the building at an angle would exert comparatively little force against it, because it would glance off. The engineer, bases his calculations on a wind of extrem? the fact that the Singer building, if one velocity directed for a sustained period story in height, would occupy 29 of the directly against the side of the building. "Such a force produces pressure at certain points in the framework of steel. As Still, if one of these modern buildings the tendency of the building is to topple requires such space if built low, the objectover, the points of greatest pressure from tion to the placing of such a restricted windage usually are near the ground on

In the event of such a fire starting high | "No matter what the height of the build-

"The points of greatest stress in a altitude was an engineering problem forty-story building will be different from which, so far as construction is concerned, the points of greatest stress in a twentywas mastered. D. H. Burnham, the Chi- story building, but in both instances th cago architect, declares that engineering methods of calculation are the same, and skill has reached the point where the pos-sibilities of effect of forces without a as great a degree of security can be asbuilding may be calculated to a nicety, sured the occupants of a forty-story buildand every provision made to combat them. ing as could be those of a much lower one, "In working out the more difficult and the danger of collapse or wreckage

# Searching for the South Pole; British Expedition on the Way

MOTOR CARS TO BE USED ON THE GREAT ICE PLAIN - PARTY WELL EQUIPPED WITH FOOD-SIBERIAN PONIES TO BE TRIED -SCIENTIFIC OBSERVATIONS.

ings fell an easy prey to the fearful any fire department even under the most sure and has an excellent record of shores. work behind her. Since her arrival in Not only southward in the direction

Seven gallons of ice water will flow the junior surgeon of the landing in, to conduct soundings along the edge party who will also engage in zoologi- of the Continental shelf which is con-

Four months have been allowed for coast to the south of the Indian Ocean the voyage to Lyttelton, New Zealand, collectively described on the maps as where the vessel will be joined by the Wilkes Land. In this way it will probheight of buildings for the sake of abso. These include, besides Mr. Shackleton, the Nimrod reaches these shores again luat safety from dangerous conflagrations Mr. Eric Marshall, the senior surgeon Mr. Shackleton's expedition will open

of the meteorological work; Sir Philip which marked the opening years of the Brocklehurst, who has also had exper- century. At least, two other expediience of survey work and field geology; I and Ernest Joyce, lately first-class petty officer in the navy, who did excellent work on the Discovery expedition, and who will be in charge of the MRS. CHAS. F. HALEY RESTORED dogs and sledges. Dr. David, professor which to work and travel back and forth of Geology in Sydney University, has arranged to accompany the expedition Then what if, as sometimes happens even | south to King Edward VII. Land; and, with the best regulated machinery, an all told, the officers and staff and elevator car should drop from the top crew of the Nimrod on the last stage aid. Doctors treated me, but I did of her long voyage will number about

knowledge of the Arctic area.

of which King Edward VII. Land is situated—was found by the Discovery expedition to be a perfectly level plain, and a motor-car which is being pre-

The vessel which is to carry the ex- there are being taken out twenty tons ploring party to their base of opera- of maize and for the latter one thoutions on King Edward VII. Land, and sand pounds of specially-prepared which is designed, moreover, to carry pemmican. Food supplies for the nuout important magnetic surveys in con- man members of the party as well as SEES DISASTER IN SKYSCRAPERS "The firemen away down below could do nothing. The fire would gain such head-nection with the expedition, sailed from the arrangements for the living hut London early in August. A Newfound- have also been the subject of the most land sealer of 227 tons net register, the careful attention, and in this respect Nimrod, as the vessel is called, is the expedition will be one of the bestquake, when alleged fireproof build- whole city. Reliance cannot be placed in adapted to withstand great ice pres- equipped which has ever left these

the East India Company's docks at of the Pole, but eastward into the in-Blackwall in the middle of June she terior of the continental area which is has been completely overhauled and put supposed to lie at the back of King in a state of thorough repair. New Edward VH. Land, and east-northquarters were put in not only for the east along the coast which is supposed officers and scientific staff, but for the to stretch around to Alexander I. crew, and the accommodation forward Land and Graham Land, exploring is now exceptionally good for a vessel parties will be sent out with the reof her class. Two new masts have been turn of spring in the latter half of next taught that so-called fire-proof build- inhabited tower to burn except the furni. Thames as a schooner she left as a back at the winter quarters at the end Ings cannot withstand the attack of ture of the offices, it will have water stor- barkentine yacht. With auxiliary of January, 1909, when the Nimrod age sufficient for three skyscrapers of engines of about 60-horsepower, she should return to take the explorers on the ordinary sort. There will be a 5,000- can develop, under favorable condi- board again. During the year which In charge of the vessel is Lieutenant first visit to King Edward VII. Land, ond in command of the Morning on carry a magnetic survey along the both her voyages to Antarctic seas in great trade route across the Indian relief of the Discovery expedition. Ocean, from Australia to the Mozam-Others on board during the outward bique Channel and up to Aden. After voyage of the Nimrod are Mr. James the landing party has been taken on Murray, the biologist of the expedi- board, magnetic work will be continued Every hour 15,000 gallons of water will be tion, who has had five years' experi- on the homeward voyage, which will used in the great structure, to say nothing ence as assistant to Sir John Murray; lie across the Pacific and Atlantic of the 120,000 gallons available for the fire Mr. W. A. Michell, the ship's surgeon Oceans; but previously it is hoped, beand zoologist; and Mr. A. F. McKay, fore the Antarctic winter of 1909 sets

> remaining members of the expédition. ably be upwards of two years before put small faith in the most modern sprink- of the shore party and the carto- an international campaign in the ler services, such as have been installed in grapher of the expedition; Lieutenant Antarctic regions which promises to be Adams, R.N.R., who will be in charge no less fruitful in its results than that

jectured to exist off the patches of

#### SCIATICA CURED

BY DR. WILLIAMS' PINK PILLS.

could not move in bed without not improve. I used Dr. Williams' On King Edward VII. Land winter Pink Pilis and today am a well woquarters will be established for a party of 12 with provisions for a couple of Dr. Williams' Pink Pills is made by years, and the Nimrod will then re- Mrs. Cas. F. Haley, of Yarmouth, turn to New Zealand, engaging, if N. S. Two years ago she suffered there is time to do so before winter most severely from an attack of scisets in, in a preliminary voyage of exatica, and for a number of months ploration eastwards in the direction of was an invalid confined to her bed. Alexander I. Land. Except to the west- She further states: "It is impossible wards, from which direction King for me to describe the pain from Edward VII. Land was approached which I suffered, I endeavored to confirst by Sir James Ross and sixty years tinue my profession as a music teachlater by the Discovery expedition, the er, but was forced to give it up. region around that patch of coast is The doctor said the trouble was absolutely unknown, and the landing sciatica, but his treatment did not party will have before them an excel- help me. I could scarcely take a step lent field for exploring work. Mr. without the most acute pain shooting Shackleton does not conceal the fact through my back and down the limb. that the main object he has in view Finally I took to my bed and lay there is to reach the South Pole, and, apart perfectly helpless, and could not move from the appeal to the imagination without aid. The pain was never abmade by such an enterprise, the jour-sent. I consulted another doctor, but ney southwards which he proposes to with no better results, and I began to tions are in course of organization. In time past M. Arctowski has been carundertake in the Antarctic summer of think I would always be a sufferer. One 1908-9 can scarcely fail to make most day a friend who was in to see me interesting additions to geographical asked why I did not take Dr. Williams' Pink Pills, and on her advice I In addition to two dozen dogs, the equipment of the landing party will include twelve Siberian ponies and Array Array one, if not two motor-cars. Away from the land the surface of Ross' great ice barrier—at the eastern end in recommending. Dr Williams' Pink

sented to the expedition by the New are starved, then comes the agony of Arrol-Johnston Company, of Paisley, has been specially constructed to run tial paralysis. Dr. Williams' Pink at very low temperature, and will be Pills actually make new, rich, red provided with sets of runners for sur- blood, which feeds the starved faces of verying softness; so there is nerves, drives out pain and restores of ignorance concerning the distribuat least a reasonable hope that the car health. It is because these pills acwill prove a really ueful and not mere- tually make new blood that they cure Polar area. This time he hopes to link ly a fanciful adjunct to the expedition. such common ailments as rheuma-The ponies also, although their em- tism, anaemia, backaches and headwill, it is hoped, be found to possess and the painful irregularities of dition, will undertake sledging expedient. everal advantages over dogs for growing girls and women. You can ditions into the interior of the suptransport purposes, requiring much get Dr. Williams' Pink Pills from any posed Antarctic continent. It is this ess food in proportion to their weight medicine dealer or by mail at 50 same section of the Antartic regions, and pulling power. Every care has cents a box, or six boxes for \$2 50 which, according to the latest inform-been taken to provide suitable food for from The Dr. Williams' Medicine Com-both ponies and dogs. For the former pany, Brockville, Ont which, according to the latest inform-ation, will be the field of operations interests of the ever-growing German of a new Belgian expedition. For some trade.

## Pandora Ventilated Oven is a Real Success

That the Pandora oven is ventilated in reality you can prove for your own satisfaction beyond a shadow of a doubt. Just moisten your finger and place it in close proximity to the three small vents between oven and fire-pot doors. You can then feel quite distinctly the current of air being drawn towards and through the vents. Try this little experiment on your neighbor's Pan-

dora.

every article is retained to the fullest extent. The Pandora ventilated oven is a real success. When you open the door,

So scientifically perfect is the Pandora system of ventilation that the air in the oven is constantly being renewed with fresh air and the cooking fumes carried out through another set of vents in back end of oven and

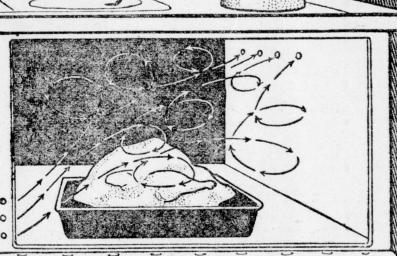
from there to smoke pipe. The arrows in illustration show how the fresh air is distributed throughout the oven and the way the odors escape from

No indiscriminate mixing and re-mixing of cooking odors in the Pandora oven, consequently there is positively no chance for one article to be tainted with the flavor of another. Rather, the delicious natural flavor of

the oven never smells close and stuffy, as do the great majority of range

Food cooked in the Pandora is more healthful, as well as more appetizing and satisfying.

If your local dealer cannot give you complete information about the Pandora, write direct for FREE BOOKLET.



McClary

LONDON, TORONTO, MONTREAL, WINNIPEG, VANCOUVER, ST. JOHN, HAMILTON Local Agents: J. A. Brownlee, 385 Talbot St.; J. A. Page, 807 Dundas St., E. London



# It rests with you whether or not you cure yourself of Kidney Trouble.

Doctors and drugs have nothing to do with it. Youand GIN PILLS-have everything to do with it. GIN PILLS will cure you-if you give them the chance.

Now, don't say "I have tried so many things without getting better" or "I don't believe anything will ever do me any good." You have never tried GIN PILLS and therefore you cannot realize what marvels they can perform. Let them prove their worth. Give them a fair trial. Get 6 boxes (for \$2.50)—take them faithfully—and see what a miracle they work in your own case.

There is no risk-no danger of spending money and getting nothing in return. GIN PILLS are sold on an unconditional guarantee that they will cure you or money

When you have finished the sixth box—if you don't feel well, look well, and cannot honestly say that all signs of Kidney and Bladder Trouble have disappeared-simply take the empty boxes to your dealer and he will promptly refund your money. No affidavit is required. We will take your

That shows our faith in GIN PILLS. Try them and let them prove what they can do for you.

BILLING BRIDGE, Dec. 1st, 1904. "I am sending for \$1.00 worth of your Gin Pills for the kidneys, for I find that they are doing me good. Please send them as soon as possible. I gave a trial of them to my neighbors and they recommend them very highly." Yours truly, MRS. DONALD MCCARTHY.

50c. a box-6 boxes for \$2.50. Sent on receipt of

price if your dealer does not handle them.

France, Dr. Jean Charcot proposes to rying on a propaganda in favor of the renew the explorations which he cari nthe South Polar area. He himself ried out in 1903-5 off the west coast was a member of the scientific staff of of Graham Island. As announced by the expedition on board the Belgica in The Times Paris correspondent, he has 1897-9. The cost of his expedition it is been voted a grant of £12,000 by the estimated will be about £50,000, and French budget commission, with regional committees have been estabpromise of another £12,000 next year; lished all over Belgium with the object and there seems no reason to doubt of gaining public support for the in recommending Dr. Williams' Pink that the chamber will confirm this vote scheme. Neither the French nor the in November next. Dr. Charcot's last Belgian expedition can start before expedition was valuable for its sciensummer of next year, and it would not tific researches rather than its geobe surprising if their departure should graphical discoveries. Scientific re- be delayed till 1909. search figures prominently in the pro-ENGLISH SPAVIN LINI...ENT gramme of his new expedition, but Dr. Charcot also realizes the importance moves all hard, soft or calloused lumps of exploring work in the present state and blemishes from horses, blood spavin, curbs, splints, ringbone, tion of land and water in the South sweeney, stifles, sprains, sore and swollen throat, coughs, etc. Save \$50 by use sighted between Graham Land and of one bottle. Warranted the most ployment will be quite an experiment, aches, heart palpitation, indigestion King Edward VII. Land, and, in adwonderful Blemish Cure ever known.

will, it is hoped, be found to possess and the painful irregularities of dition, will undertake sledging expe-A German newspaper has been started at Tangier, Morocco, in the