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To-morrow may be too late. We can give your business the fullest protection against fire, at a very small cost. Come in and talk it over with us.

DICKSON & CAMERON
REAL ESTATE — INSURANCE
16 1/2 PINE ST. N. PHONE 455

Modern Electric Fire Alarm System in Town

How the System Works. Forty-three Boxes, Carried on Three Separate Circuits in Timmins. Alarm Given by Bells at Fire Hall, Bell at Pumping Station, and Bells in Houses of Volunteer Firemen.

Timmins has what is usually called "a modern electric fire alarm signal system."

Everyone has seen those red metal boxes on poles, placed at good vantage points throughout the town. A relatively small proportion of people have had a more intimate contact with them in breaking the little pane of glass over the handle of the door to the box, opening the door and pulling down the little black handle that is inside.

Immediately the whir of a clockwork motor in the box is heard. Then, with a second or so, the big bell on the fire station tower begins to count off the strokes. If the alarm was from Box 41, four blows of the bell would be heard, then, after a pause, one more. It takes 20 seconds on an average for this first "round" to come in. The firemen must wait at the hall until that round is complete, for as the blows are struck on the bell, an indicator sets up the numbers on top of the central apparatus. So that within 25 seconds of the time a hook is pulled down at least one fully equipped truck is on its way to the place from which the call came.

Here's What Happens
What happens in this virtually fool-proof alarm system is briefly this:—Beginning at the fire hall, a wire is run along the telephone or power poles to a box. Current flows along here uninterrupted through the box and in the same manner through other boxes on the same line. Then the circuit is carried back to the fire hall. The current that flows through this complete circuit also flows through an electro magnet that holds the large striker from the bell at the top of the fire station tower.

Now the second that complete circuit is broken, either at a box, or anywhere else, there is no more current going through the electro-magnet and the striker is allowed to drop against the bell to make a ring that can be heard almost anywhere in town. When the current is allowed to flow again, the magnet lifts the striker away from the bell.

Thus, if the wire were cut anywhere

and the two ends brought together for an instant, then pulled apart, any series of rings could be made. That's just what the mechanical contrivance in the box does. When the handle is pulled down, a clockwork motor is wound up. As soon as the handle is released, the wheels begin to turn. One little gadget, no more than three-quarters of an inch in diameter, does the most important part of the job.

It has a series of sort of enlarged teeth on it and as it turns, it allows a little spring steel arm to rise and fall. When the arm falls, the circuit is broken and the bell strikes. When it rises again, the circuit is closed and the striker is drawn away from the big bell at the fire hall. So it is in the design of these little big-toothed wheels that the secret of what gives the different series of rings lies.

In Timmins there are 41 boxes, carried on three separate circuits. The moment a circuit goes out of order, a single blow is struck on the big bell and men trained to the job go out to find where the trouble. This, although an expert's job, does not take long.

It Does Other Things, Too
In addition to ringing the big bell, the alarm system rings a smaller bell in the fire hall itself, six bells in volunteers' homes, and a large bell at the Hollinger pumping station. If the alarm has come from any other than the part of the town near the river where pressure is always high, extra pumps are put on and the pressure raised.

The biggest trouble with the fire alarm system is caused by the thoughtless boys, Fire Chief Borland says. Particularly near the schools it is necessary to renew the glasses over the handles of the boxes frequently. This all costs the town money, takes the time of the firemen's electrician and might, if carried to an extreme, have serious consequences.

Elsa Sprangles says: "The intelligent girl is the one who knows how to refuse to kiss without being deprived of it."

First Aid for Fires to Prevent Losses

Small Handy Fire Extinguishers Good First Aid Equipment.

Many a life has been saved as a result of modern "First Aid" treatment. The kit of the camper or the Boy Scout is not complete without its tape, its gauze and its antiseptics. Immediate treatment, when the victim is far from skilled medical assistance, forestalls countless amputations and prolongs the days of thousands of accident victims.

The home itself will be thus supplied if its occupants are as wise and cautious as they should be.

"First Aid" has its place too in the protection of the house against fire. Yet how deplorably small is the number of residences thus equipped.

The incipient fire has all the potentialities of the conflagration. If it cannot be stamped out or if the water bucket does not suffice, there is still a way to prevent its spread provided the home has been equipped with small fire extinguishers.

An old saying among those who deal with this question is that "all fires are small at the start." If caught in time, the number of fires that get beyond control may be very materially reduced.

"First Aid" is a present-day necessity in the protection of the home against fire no less than in the safeguarding of life against cuts and scratches and burns.

\$100 a Minute is Canada's Fire Loss

The Fire Prevention Doctor Tells How Canada Can Have Better Fire Health.

Should a physician say to you that you could probably lengthen your life by following a few simple suggestions you would doubtless be willing to comply with them. This is natural for in following such advice one carries out the instinct of self-preservation. Today we have another kind of doctor whose mission it is to inform us how we may protect our lives and property against ruthless destruction by fire. He is the Fire Prevention Doctor. As the physician informs us of disease symptoms, which may lead to an early grave, so this man points out conditions which may cause serious fires. As the doctor prescribes medicines to cure all ills, so does this man suggest remedies which will do much to safeguard the lives of our families and the homes in which we live.

One never knows where fire will strike. Every minute of the day, every day of the year, over \$100.00 worth of property is destroyed in Canada. You can do your part in minimizing this terrific drain upon our human and physical resources by observing the following ten rules of the Fire Prevention Doctor:

- (1) Keep matches in a closed metal container, inaccessible to children. Handle them carefully and dispose of them properly, making certain they are extinguished before you let them leave your hand.
- (2) Keep all gas lights and open flames away from woodwork or other combustible material. Do not allow curtains to hang near these flames for the wind may blow them into contact with the fire.
- (3) Always disconnect electric irons, toasters, heaters and similar appliances from the sockets when through using them. Never use any substitutes for approved fuses.
- (4) Inspect, clean and repair your chimneys and flues before winter arrives.
- (5) Place hot ashes in metal cans and dump them in places free from combustible material.
- (6) Promptly collect and remove all refuse and rubbish. Keep basements and spaces under stairways clean.
- (7) Do not start fires in stoves with benzine, gasoline or kerosene.
- (8) If gasoline or benzine is ever used for clearing purposes, do the work out of doors.
- (9) Learn the location of the nearest fire alarm box and be sure you know how to turn in an alarm.
- (10) Inspect your property frequently.

Soda-Acid Tank Proves of Much Help in Fire Fighting

Fire gadgets come and fire gadgets go, but there's one outfit that can always be counted on to do a good job. Firemen call it the "soda-acid" tank.

Watch the Timmins firemen at work sometime—but don't get in their way—and, if it's a small blaze, you'll see them unwind a hose connected to a large tank on the truck. They turn a few valves and open the nozzle. Out comes a foaming stream that seems to quench the blaze by magic. That's soda-acid. Smaller "chemical tanks" are also carried on the trucks and are often seen in homes and office buildings.

Inside the tank is water, in which a good amount of baking soda (sodium bicarbonate) has been dissolved; and a supply of acid, usually sulphuric acid. When the acid is released into the soda solution, a gas is produced—carbon dioxide—which is non-inflammable. The gas, being heavier than air, pours like water and so hangs close to the fire, excluding the oxygen of the air and making combustion impossible. The water, forced from the tank by the pressure of the gas formed, helps too, of course.

Check These Things in Your Own Home

Portable Stoves, Electric Pressing Irons, Radiators Should be Well Protected.

The following suggestions are those which experience has found thoroughly practical and worthy of your most careful attention.

First: If you use gas stoves or portable stoves of other kinds, is the support for them of incombustible material or protected by incombustible material such as metal or asbestos? If not, heat radiation will frequently cause ignition.

Second: If you have one of the old type portable gasoline or similar type stoves about the house, the simplest precaution is to get rid of it, as sooner or later it is apt to cause trouble. If absolutely necessary to have one of these burners use the coal-oil type, as it is much safer, and while we speak of coal-oil never start or hurry a stove fire with it. It is certain disaster if you do.

Third: Is the electric pressing iron kept on a metal stand when not in use, and are all connections in A. I. condition? It is a wise precaution to have a service light installed in connection with these irons to indicate when the current is off or on.

Fourth: Do you ever leave the electric iron connected while answering the telephone? More fires are caused from this than any other electrical cause.

Fifth: Do you place electric radiators, glow lamps and other types of portable electric heaters where they may come in contact with combustible material?

Remember all heating devices are potential fire breeders and require constant care.

Canada Asks Aid of Every Good Citizen

Don't Put it off Till Just a Little Later. Do it Now.

Fire prevention week is set apart for national observance in order that once yearly the attention of our people may be directed to the tremendous loss of life and property by fire and in order that public sentiment may be crystallized into action.

In our busy life we are too prone to put off the things we actually do not have to do. "Yes that is a good thing and well worth doing, but I will do it just a little later." In our club life, and we have many good ones, there is too much of a disposition to endorse things that are worthy. We are for it, and believe it should be done. We endorse it one hundred per cent, but you do it. That is too often what an endorsement means. Clubs are a very useful part of our social and commercial fabric, but too often they are used by individual members as a convenient means for "passing the buck."

Need Everyone's Help
Now public endorsements are good. We need them to aid this great work but what we need more is the individual interest and personal effort of everyone. We need men and women who will work and not wait for results. The causes of fire are comparatively simple. That is, the majority of them are. The chimney, stove, furnace and smoke pipes or heating equipment ranks first. Then comes electricity or other means of lighting, followed by poor housekeeping, rubbish, smoking, matches and various careless personal habits. The common hazards enumerated cause more than half of the fire loss, and they are strictly preventable. Who would admit that they could not safeguard the common fire hazards in their own homes if they chose to use their intelligence in that direction? It is safe to say that not one would make such an admission. Anyone of average intelligence can avert the danger from fire in their home, but how few there are who make the effort, and what terrible consequences follow their neglect!

Peterborough Examiner:—A young lady of 18 in Chicago who won a beauty contest refuses to go into a large exhibition, saying, "I am just a home girl, and mother does not want me to go." Think of it—a girl pretty enough to win a beauty contest and also willing to fall in line with the desire expressed by her mother! And in the year 1936!

Have your chimney cleaned regularly

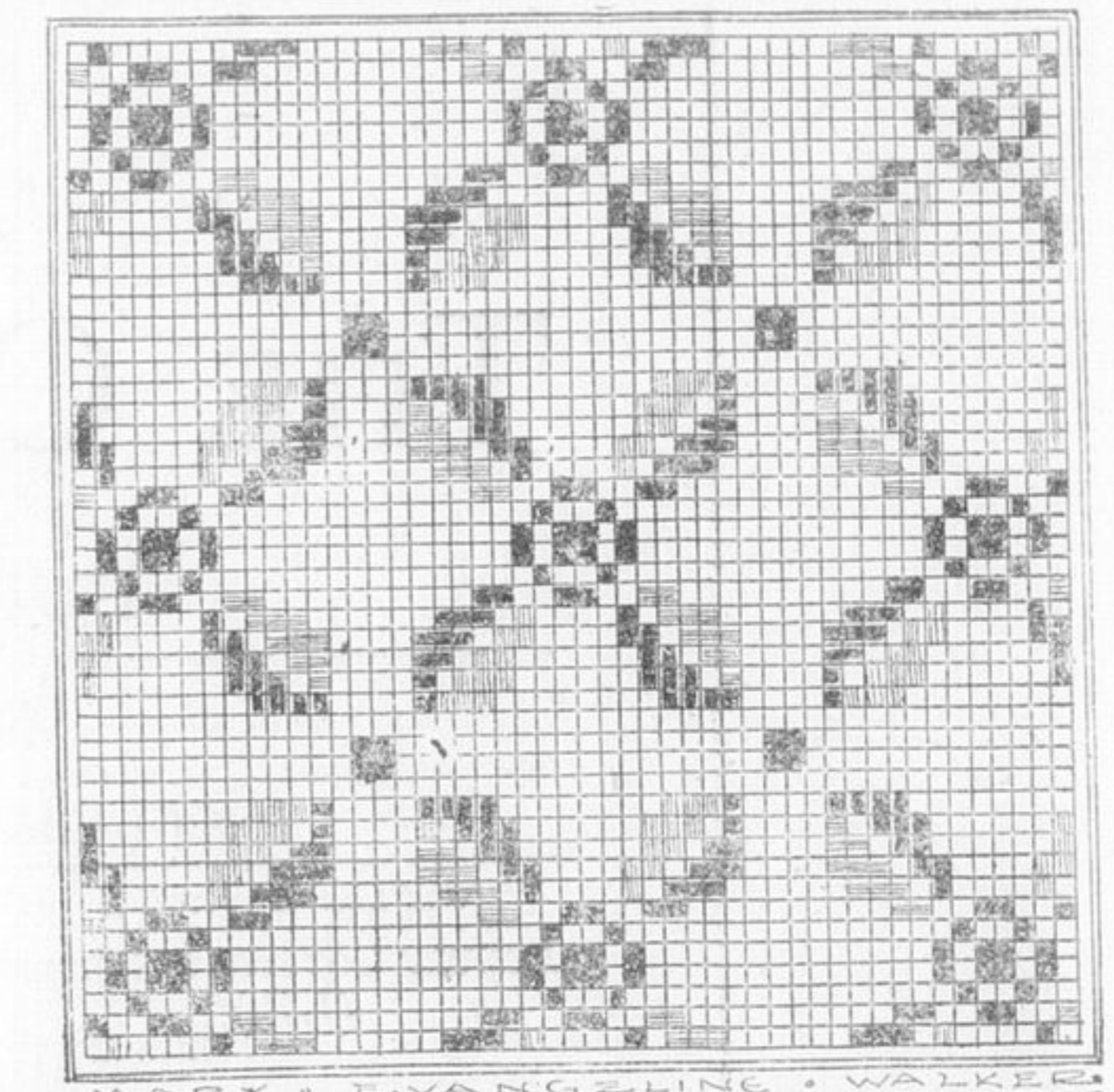
By a man who understands every detail of his job. Have him clean your chimney at least once a year, by doing so you are protecting your property and yourself.

Dirty chimneys cause the majority of fires, and this is the safest and cheapest way to prevent them.

Chimneys cleaned the modern way.	Prevent Fires A. Vercival Timmins	Call us to-day and be Safe.
15 Pine St. S.		Phone 1675

The Household by Lydia Le Baron Walker

SMART AND NOVEL BAGS IN LARGE SIZE LEND ARTISTRY TO VOGUE OF CARRYING BUNDLES.



A choice design for developing on canvas or linen bags as described. Three colours, are employed, one for centre and two others in radiating portions of the pattern.

Smart bags for bulky bundles are in demand in these days when women are carrying packages more than they have for the last fifty years. There are two reasons for this returning custom. One is the prevalence of automobiles in which purchasers tuck their parcels, thus insuring speedy delivery. The other is the cash and carry system of some stores, which necessitates buyers taking their parcels away. In each of

to remain visible. With either of these fabrics the idea of the stitchery is not to conceal the foundation but to enhance its inherent good looks by ornamental motifs, by bands and borders of needlework, or by applied units. Certain arrangements are given today that have the added interest of smart novelty.

Novelty Bag Design
Cross stitch and slanting lines in fascinating combination ornament one bag. The cross stitches extend over several holes and are arranged as shown in the illustration, which also gives the direction of the slanting lines between squares. A heavy worsted is required for the embroidery which is done in a broad way. It takes a very short time to do the handsome and effective work. Bags can be any size desired. They should be lined. A fine colour scheme is as follows: squares, gay blue; slanting lines of brown, and pumpkin yellow.

Two patterns for One Price
An illustrated sheet giving other design arrangements together with a second pattern sheet giving full directions for making crocheted applique motifs for bags of other styles, can be had for ten cents and a self-addressed, stamped (3-cent) envelope. Direct requests for this double pattern offer at the low price of ten cents (coin preferred) to: the two, to Lydia Le Baron Walker, care of this paper.
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Timmins Increasing the Use of Fireproof Materials

Timmins newer buildings are fire-proof or at least fire resisting. Improvement in building materials, the establishing in Timmins of plants for the manufacture of bricks, and the swing to fireproof insulation, have all contributed toward making Timmins a safer town from the view of fire risk. Insurance rates are much lower on dwellings and business places built with these materials. It pays in the long run to use them.

Try The Advance Want Advertisements

Play Safe!

Have your Heating Plant Carefully Checked

So many fires are caused by furnace trouble that it is important that you have your heating system inspected before winter sets in. Take this precaution now! Boilers, too, are a danger point. A serious explosion may occur if they are not operating perfectly. You can absolutely rely on our skilled service men. Guard against danger. Have us inspect your heating system to-day.

DINELLE & SULLIVAN
Modern Plumbing and Heating
90 Third Ave. Phone 1134



"Where Would I Be Today..."

... if I hadn't had the business well protected with insurance? It certainly would have been a different picture. Business was good and things looked pretty bright for the future—when fire struck. How I remember the fear that gripped me—horrible thoughts rushed through my mind—my business was gone—I'd have to sell my home, my cars—everything I owned to start up again—even in a small way! . . . Then the happy thought struck me—I was well covered by insurance. I would have

enough cash to rebuild and start in again right where I left off. That was some time ago, but I remember, as though it were yesterday, how I was lifted from the depths of despair to the heights of happiness by that fire insurance policy."

Why take a chance with your business, your home, your car or belongings when a small insurance premium will give you complete protection. Call in to-day and let us talk it over. There is no obligation whatever.

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