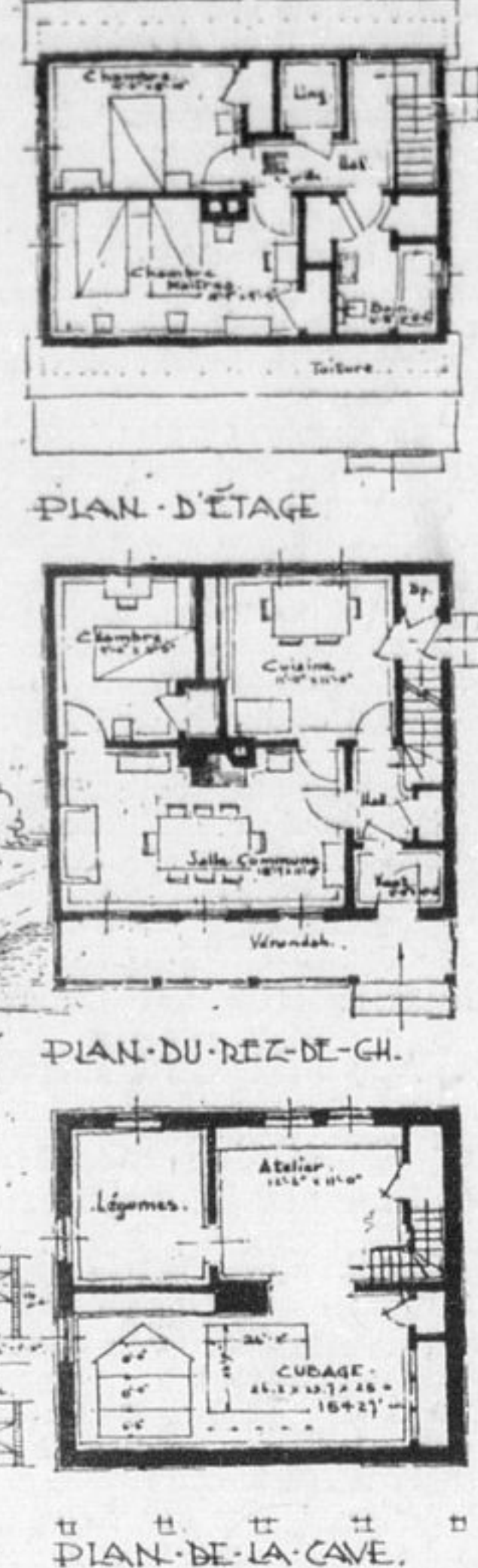


# DOMINION HOUSING ACT



LOI FÉDÉRALE SUR LE LOGEMENT. MAISON TYPE. CROQUIS N° 65.

PAUL ROUSSEAU  
181 RUE ST-JEAN, Québec, P.Q.

LE GOUVERNEMENT A ACQUÉTES DE L'ARCHITECTE LES ÉTUDES DE CETTE MAISON, ET, MOUVANT \$10.00, ON PEUT SE PROCURER UNE SÉRIE COMPLÈTE DES PLANS COMPRENANT 7 SÉRIES DE BLEUS ET 4 MÉMOIRES DES SPÉCIFICATIONS EN CONFORMITÉ DE LA LOI FÉDÉRALE SUR LE LOGEMENT (CES DERNIERS DOIVENT ÊTRE REMPLIS PAR LE PROPRIÉTAIRE ET LE CONSTRUCTEUR)

LE NUMÉRO DU CROQUIS DOIT ÊTRE MENTIONNÉ ET LA COMMANDE ADRESSÉE À:  
L'ADMINISTRATEUR DE LA LOI FÉDÉRALE SUR LE LOGEMENT,  
MINISTÈRE DES FINANCES,  
OTTAWA, ONTARIO.

## ONE OF THE ADVANCE'S SERIES OF D. H. A. HOUSE DESIGNS

This government-approved home can be built in this district for \$4,600, according to an estimate of local contractors. If erected on a \$400 lot the whole project can be financed with \$1000 in cash and monthly payments of \$42.20.

These equal payments will retire the \$4,000 mortgage and pay the 5 per cent. interest charges. After that time the property is free and clear with nothing further to pay.

# Expect New Process to Increase Use of Lumber

Effective Fire-Proofing of Wood Said to be Now a Reality. If This is Recognized, Wood Will Take Its Place as the Most Adaptable of All Building Materials. Many Experiments Made With New Fire-proofing Material.

(By "Research" in Canada Lumberman)

Ever since the day when man first gave serious thought to the problem of home-building, wood has played an important part. Wherever wood is available in reasonable quantities, it certainly seems the logical building material for homes, playing an important part in many commercial and industrial buildings. Wood embodies so many desirable properties that its popularity is readily understood.

No building material yet discovered is so pliable in the hands of the skillful designer; none lends itself to such a pleasing variety of style and arrangement; no other material can be used readily to clothe the home with a design which shall at once be so expressive of its purpose, more fitting to its environment, so wholesome in its art and possessing a charm which increases with age.

As a building material, wood is rich in precedent, economical in initial cost and maintenance and by its known virtues far outstrips any other kind of building material. In the building of cathedrals and churches most of the famous architects of the world would scorn the use of steel for roof trusses; wood, and only wood is the material they choose, combining as it does, rugged strength with infinite beauty.

**Overcoming Obstacles**

Unfortunately, danger from fire has been a serious obstacle to its more general use, although, as a matter of fact, fire losses in sections where wood is the principal building material used do not suffer by comparison with districts where its use is more or less incidental.

However, it is of sufficient importance to have engaged chemists and others in research work to discover a satisfactory method of overcoming this handicap.

It is natural, therefore, that lumbermen should be vitally interested in tests which have been conducted for some time past and which indicate that the problem is in a fair way of being solved. It was more or less by accident that it has been found possible to secure outstanding results by the open vat treatment. Experiments were being conducted with a new formula and the fluid was kept in wooden casks. It was noticed that the floor around these casks was continually wet. At first it was thought that the casks were leaking, or that some of the liquid had been spilled. But the floor continued wet, and investigation disclosed the fact that the fireproofing preparation was coming right through the wood!

Careful tests followed, and now it has been demonstrated that a few hours treatment in an open vat gives results equal to superior to pressure penetration at a fraction of the cost. Open air drying after treatment is all that is required, and in any favourable drying

weather, lumber is fit to handle in a few hours.

**Drastic Tests**

The writer was recently privileged to witness tests which subjected lumber treated with Mannolite (the product referred to) which is produced by B. W. F. Caldwell, 106 Tyrrell Bldg., 95 King St. E., Toronto, to a much more severe test than would likely ever be met with in actual use. To put it mildly, he was amazed at what he saw. Several boards were used, one of white pine, one of oak and one of hickory. None of these showed any indication of the treatment they had received. No stains or "feel" of any kind. First the pine board was subjected to the intense heat of a blow torch for five minutes. The board showed absolutely no indication of being ignited under the terrific heat—it blackened for a few inches around the direct flame from the torch. When the torch was removed, a faint wisp of smoke rose from the slightly charred surface but disappeared within a few seconds leaving not a trace of after glow. Similar results were obtained with the other samples. Some of the hazards had been treated more than five years ago and were apparently just as fire-resistant as boards recently treated. Untreated boards soon burst into flames when subjected to the blow torch. No weakening or other detrimental effect, no staining, no colouring can be detected in the treated lumber. The product has no corroding effect on nails or other metal articles and there is apparently no effect on saws, planing machine blades, etc.

Although excellent insulating material, sawdust and shavings have never been extensively used on account of the fire-risk. A test was made with excelsior, dipping it for a few seconds into Mannolite, then drying thoroughly. It was impossible to ignite it. All that repeated applications of a hot blaze did was to blacken and slightly char the fine wood shavings. On removing the flame no trace of afterglow was discernible. Similar results are secured with meadow hay, a waste product of the Ottawa Valley, as well as on insulating board.

**Treatment by Spraying**

Mannolite can be successfully used for spraying wood work in cellars or buildings already erected. Being odorless, it is not objectionable in cellars. It can be mixed with Kalsomine, if desired, for inside work. For outside work, it should be painted over, for if subjected to repeated soaking, the fire-proofing effect is lost. Where used inside or when protected by paint on outside work, the discoverer is satisfied that results are definitely permanent.

Mannolite has also been subjected to authorized experiments in regard to stain and preservative qualifications. The tests prove stain preservative and also test proves quite positive preser-



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## Larger Living Rooms Are Possible in Many Homes

(From Building in Canada)

Many older residences have small dining and living rooms and an unnecessarily large entrance hall. Neither of the rooms has adequate space for a pleasing furniture arrangement, and the hall has so many doors leading into the various rooms that it seldom hold even a small table or hall chair.

In many cases the light and air which would enter the space occupied by these rooms, if they were thrown together as a unit, is minimized by the poor plan of walls and doors.

The removal of the partitions separating the three portions of this section of the home creates a larger space which may be properly lighted and ventilated. The old dining-room furniture may be replaced by an attractive built-in table which folds against the wall when not in use.

The wall which is nearest the dining space may have a series of open shelves and the placement of gaycoloured dishes to make an interesting pattern. The entrance door may be screened by a folding screen, harmonizing with the wall colours, or a simple solid colour curtain arranged to slide from the ceiling in a semi-circle about the door.

New windows, concentrated along one wall, and low window seats below them, a built-in radio cabinet harmonizing with the design of the book and dish shelves, and many other convenient and attractive additions may be made.

It is also well to remember that a painted dado will help to make a too high room seem lower; and by emphasizing vertical lines, a low room may be given the appearance of greater height.

Books are frequently misplaced if adequate shelf space is not provided for them. Available space on each side of a fireplace provides a natural location for built-in book cases. Cost of such an installation is low, and adds materially to room atmosphere.

In this way the home owner may create a large pleasant room, better fitted for entertainment and far more usable for daily life. He may secure financing from chartered banks by way of the modernization credit plan of the Home Improvement Plan for this improvement in the livability, as well as the value, of his home.

## Suggests Special Room for Children

### Something Worth Thinking About in Building the New Home.

(From Northern News)

What about the children? Should you consider their requirements in the planning of your home? From the time a child first creeps until he reaches the age of four or five, his play needs constant overseeing. Generally, this duty falls on the kitchen worker.

Ideally, the child should have a separate room for his play, for he is bound to be noisy and strenuous at times. If you can make this possible in your new home you will never regret it. After its use as a child's play room has been served, it can keep step with the growing child and eventually grow into a rumpus room (which is really just a grown-up's play room).

Of course, it goes without saying that the room should have the maximum sunlight and air. Decorators in the nursery field, who know their children as well as their art, are now advocating a room that is uncluttered and airy, with plenty of sunlight, a hard-surfaced floor, simple sturdy furniture, and fabrics and wallpaper in keeping with the same practical, attractive spirit.

For play, the natural place is the floor. Hardwood painted or stained, linoleum, composition and cork are good choices. Such attractive patterns are available that they are often a decorative asset as well as a play surface and play source.

Rugs are usually used over these surfaces as they prevent the cold feeling of a hard floor. Materials that are easily washed are available and the patterns match the general nursery spirit. As mother or dad spend considerable time in the nursery an adult chair is a practical necessity. This chair should have a low back and should be carefully designed so as not to dwarf the other pieces and throw

the whole room out of proportion. In the selection of wall coverings there is an imaginative and interesting variety from which to choose. There are abstract plaids and cheerful stripes, droll zoo animals, fresh farmyard scenes and comic characters on textured or plain back grounds that will delight any child's imagination.

Many house budgets, however, will not stand the extra room devoted simply to play and the child's play room must share space. One practical solution is to make the dining room larger and make it serve as both dining room and child's play space. Because the dining room is the least used room in the house and because it affords the kitchen worker a chance for easy supervision, it seems a fine solution to the problem in many smaller homes.

Plans should, of course, be made for the bedrooms of the children, for as they grow older they are going to require separate sleeping rooms. In many smaller houses, attics are so planned that they can be made into attractive sleeping quarters at a minimum of trouble or expense when the need arises.

When you plan your house think too about a suitable outdoor area in which your children can play. Have it, if possible, within sight of the kitchen and as secluded as you can. Perhaps a fence could be placed around the area, which would add to the exterior beauty of your home, as well as to its practicability.

## Balanced Colour, Texture, Mark Successful Interiors

Successful room ensembles don't just happen, they are usually thought out in advance, with a few basic principles of colour harmony and balance kept in mind, says "Building in Canada."

If you have a plan, you need not execute the whole scheme at one time. Buy slowly, wisely; but know in advance what your ultimate result should be.

One of the most puzzling questions for many women is where to start in building a colour combination or a decorative scheme. First analyze your room something like this:

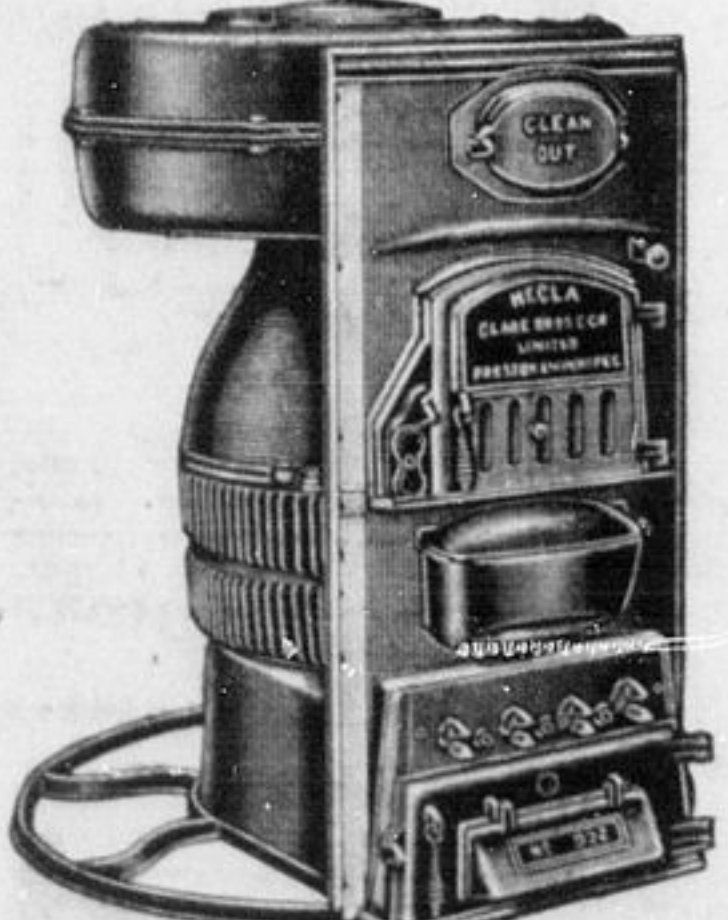
Is the room dark or light? If a dark room, you will want to introduce warmth and life through colour. Light, warm colours make a dark room brighter. Red, orange, yellow, rust shades are warm colours; blue, green and gray are cool. Let warm colours predominate in a room that lacks sunlight.

A good scheme would be rust carpet or rug, warm tan walls, tans, browns and rust shades in upholstery and draperies, with just enough green to act as foil and contrast.

For a very light room, where you want to subdue the light, have gray-blue walls, a deep plum carpet, blue tones in the upholstery, with here and there a wine coloured accent.

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