



No 423
1363 SQ. FT.

Here is an "L" design that packs a lot of living space into its floor area. There is an absolute minimum of passage-way yet living and sleeping areas are completely separated. Living room features a corner fireplace with raised hearth. There is a separate lavatory with access to master bedroom and rear entrance. Construction is brick veneer. House could be built on a 30 foot lot. 1663 Sq. Ft.

HOW TO OBTAIN DESIGN BOOK

The latest design book entitled "Canadian Guide to Home Planning and Design" is now available at the offices of The Guardian and The Evening Patriot for \$1. tax free. This new edition includes color selection, etc., plus over 100 popular new designs to choose from. Also included are full designs on how to order blueprints.

downstairs sink and destroying the trap seal. This permits the water to be drawn into the sink together with air, creating the gurgling sound. Or the drain pipe pitch from the downstairs sink may be incorrect. I recommend hiring a competent plumber make a personal inspection and necessary correction.

Shipbuilding Challenge Expected

HALIFAX (CP) — Shipyards in the Maritime Provinces will be offered a challenge when a gaff-rigger schooner yacht is displayed at Expo '67, director H.F. Pullen of the Atlantic Provinces' pavilion said here. The shipbuilders must be ready and waiting to handle a flood of orders from people impressed by the design of the craft who want to buy one for pleasure use. If the yards aren't able to meet the demand — and he said there are not more than 30 capable of building such vessels — the region's image will be set back 100 years, the retired rear-admiral said. He told board of trade members here he was "nervous about the possibilities of this project," which called for the boat builders to "take the initiative...." Admiral Pullen said there is "no longer any doubt about the success" of the fair, officially named the Canadian world exhibition. "We are up to schedule, if not ahead of it," he said in a general progress report on the fair.

First Aid For Ailing Houses

By ROGEI C. WHITMAN
BURLAP ON PLASTIC BOARD QUESTION: The home we are having built will have plaster-board walls throughout. We would like to use burlap to cover the livingroom walls. How can this be applied?
ANSWER: A coat of varnish sizing should first be applied to the clean wall surface. For tight-fitting seam: apply a one-inch wide stripe of pure, fresh, shellac along each edge of the underside of the burlap. When this is dry, trim a half-inch off, using a straight edge and razor blade. This will give a clean edge that won't ravel and which can be butted neatly against the adjoining strip. Instead of applying the adhesive to the burlap, apply it to the plasterboard surface. Then put on the strips of burlap as you apply wallpaper.

TERMITES IN FURNITURE QUESTION: I bought an old table and two chairs at an auction. A friend examining the furniture carefully has discovered termites in the wood. Will these spread to other wood? Is there any way to get rid of them and still make use of the furniture?
ANSWER: These are probably nonsubterranean termites, as they are in furniture. Non-subterranean termites fly directly to and bore into wood. Subterranean termites build tunnels from the ground to attack wood. To kill the termites, the table and chairs must be placed in a chamber heated to 150 degrees F. for 1 1/2 hours, or at 140 degrees F. for four hours. Consider a wood working company with equipment for bending and shaping wood about having this done. Conversely, if you can park the furniture in a community frozen food locker for a few days the freezing will also kill the termites. These termites may damage other wood in the area. Insecticides, liquid or dust, can also be used to combat them. For this type of treatment, consult a reliable exterminator.

PROTECTING HARDWARE QUESTION: I plan to repaint our kitchen shortly. Is there any way I can protect hardware, such as hinges, catches, etc., against getting covered with paint? There is a lot of it and I'd hate to have to remove it all.
ANSWER: Coat all such surfaces with petroleum jelly; then the paint can be easily wiped off. Or cover the hardware completely with masking tape which is excellent for this purpose.

QUESTION: I cleaned out my basement last spring and found a forgotten bag of about 30 pounds of cement. I don't like to throw this cement away if I don't have to. I have quite a few patches to fix outdoors. In an otherwise good sidewalk. How much cement and water is used for a patching mix?
ANSWER: A good mixture for patching jobs is one part cement three parts clean sand, with only enough water to make a stiff but workable mixture which can be spread smoothly with a trowel.

GURGLING, BACKUP IN SINK QUESTION: I have a two-family house. There is a problem with the downstairs kitchen sink. Water, draining from the upstairs sink, backs up with a gurgling sound into the lower one. How can this condition be remedied?
ANSWER: The plumbing system may be improperly vented, causing the discharge from the upstairs sink to create suction as it passes the drain of the

BRICK FRAME CAULKING QUESTION: My brick home has wood window frames. I have to replace some of the caulking which has dried out between the frames and brick walls. What kind is best to use for this?
ANSWER: Use an asbestos caulking putty made by a nationally known manufacturer of shingles and siding. Available in several colors, in gun grade, in small cylinders for bale type caulking guns. The asbestos fiber reinforces the caulking and reduces the tendency to dry out and shrink. The material skins over the surface, but remains underneath for a long time.

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Importance Of Planning For Building In Winter

Winter construction has found considerable favour among house builders, and for several reasons. For one thing, they keep their men employed throughout the year. For another, winter conditions offer better access to building sites and, further still, earlier completion dates result in earlier sales or rental revenue. In addition it provides builders with an opportunity to increase the volume of construction without materially increasing overhead costs. But, careful planning is essential for successful winter construction. After several years' experience builders have learned the importance of taking adequate precautions against frost damage by carefully choosing protective materials which are economical, durable and re-usable. The experience gained in proper planning during the winter has been of benefit to builders throughout the other seasons as well.

For those not familiar with winter construction, the following notes may be helpful:
EXCAVATION — Wherever possible excavation should be carried out before winter and protected from frost until required. Before winter sets in areas to be excavated during winter should be covered with straw or other insulating material to reduce the depth of frost penetration. Snow cover should not be packed down but should be left undisturbed until ready to excavate. Excavating machinery can normally operate in ground frozen to a depth of one foot. Where there is deeper frost penetration, thawing may be done by fires or steam. One foot of straw covered with three inches of coals will thaw up to three feet.

FOUNDATIONS — The most common and most serious kind of frost damage in house construction is frost heaving of foundations. To avoid this is essential that footings and foundation walls be placed on unfrozen ground and that freezing of the ground below foundations be prevented. Immediately after excavation straw should be placed in the bottom of the hole and up the sides for a few feet. The straw should be removed to pour the concrete for the footings and replaced at once to ensure proper curing of the concrete without freezing. Forms for foundations should not be placed on ice or snow and all ice or snow on the inside of forms and between forms must be removed before concrete is placed. If proper precautions are taken, concrete can be placed

in conditions of extreme cold. However, the concrete must be when placed, between 60 degrees F and 80 degrees F to promote hydration, and additional cement or a small amount of calcium chloride (not exceeding 1 per cent of the weight of cement) may be added to speed hardening. Concrete will be damaged if overheated or if too much calcium chloride is added. After placing, concrete must be protected and must not be allowed to freeze. The surface temperature of the concrete should be kept at about 50 degrees F for three days and above freezing for at least seven days. Sudden changes in temperature should be avoided. To ensure that the concrete is kept damp during this curing period, the forms should be left on as long as possible in winter. Large exposed surfaces such as floor slabs must also be kept damp. Concrete, once weakened by freezing while setting, cannot be improved.

Where low temperatures do not persist for prolonged periods, and are not too far below freezing point, concrete may be protected by straw or similar insulating materials. At lower temperatures, tarpaulins or plastic sheets should be spread over the whole foundation and excavated area. Auxiliary heat may be provided either by the use of unit heaters, or by the installation of the furnace, either on its permanent base or hung from the floor joists. The latter method is particularly effective where some time may elapse between construction of the foundation and the balance of the work. For example, the provision of constant heat will greatly facilitate the work of installing the under-floor drainage system. Concrete blocks for foundations should be warmed and dry. Mortar should be prepared in small batches using heated aggregate and water. All materials should be kept from freezing during laying and for at least 48 hours thereafter.

BACKFILLING — Frozen material should not be used for backfilling. Where suitable material cannot be obtained, backfilling may have to wait until spring. Drain tile should be placed and proper outlets for spring run-off provided; straw should then be placed around the foundations to prevent frost penetration. The ground around and under the foundations must be kept from freezing.

MASONRY — Materials should be kept on raised platforms to prevent wetting from ground moisture, and covered with tarpaulins or plastic sheets to keep

CLC Charges Lake Shippers Delay Dispute Settlement

OTTAWA (CP) — The president of the Canadian Labor Congress has charged that lake shippers are delaying settlement of their dispute with the Canadian Merchant Service Guild (CLC) until the close of the navigation season. Claude Jodoin said in a statement released here Friday that the members of the Lake Carriers' Association have stubbornly refused to sign an agreement although negotiations have been going on for more than seven months. "These companies appear to be determined to stall a settlement. They have either delayed discussion of key recommendations contained in a conciliation board report released last Thursday or have pleaded lack of authority as an excuse," Mr. Jodoin said. "The patience of the ships' officers is obviously at the breaking point and it appears that they are individually refusing to continue to operate the vessels unless they are provided with clear evidence that the companies are prepared to negotiate in good faith around the clock to reach a settlement."

Many of the 500 deck officers, manning some 300-lake freighters, have been reported giving their companies 8 hours notice of resignation in protest against delays in negotiating a few contract. A tie-up of lake shipping at this time of year could mean that some ships would have to spend the winter away from their home ports. The St. Lawrence S'way was due to close officially at Friday midnight, but, weather permitting, will be kept open for another week.

TROUT-BLOCKS PIPE
TIVERTON, England (Reuters) — A plumber called to inspect a blocked water pipe pulled out a nine-inch trout, pushed up the pipe by recent floods.

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