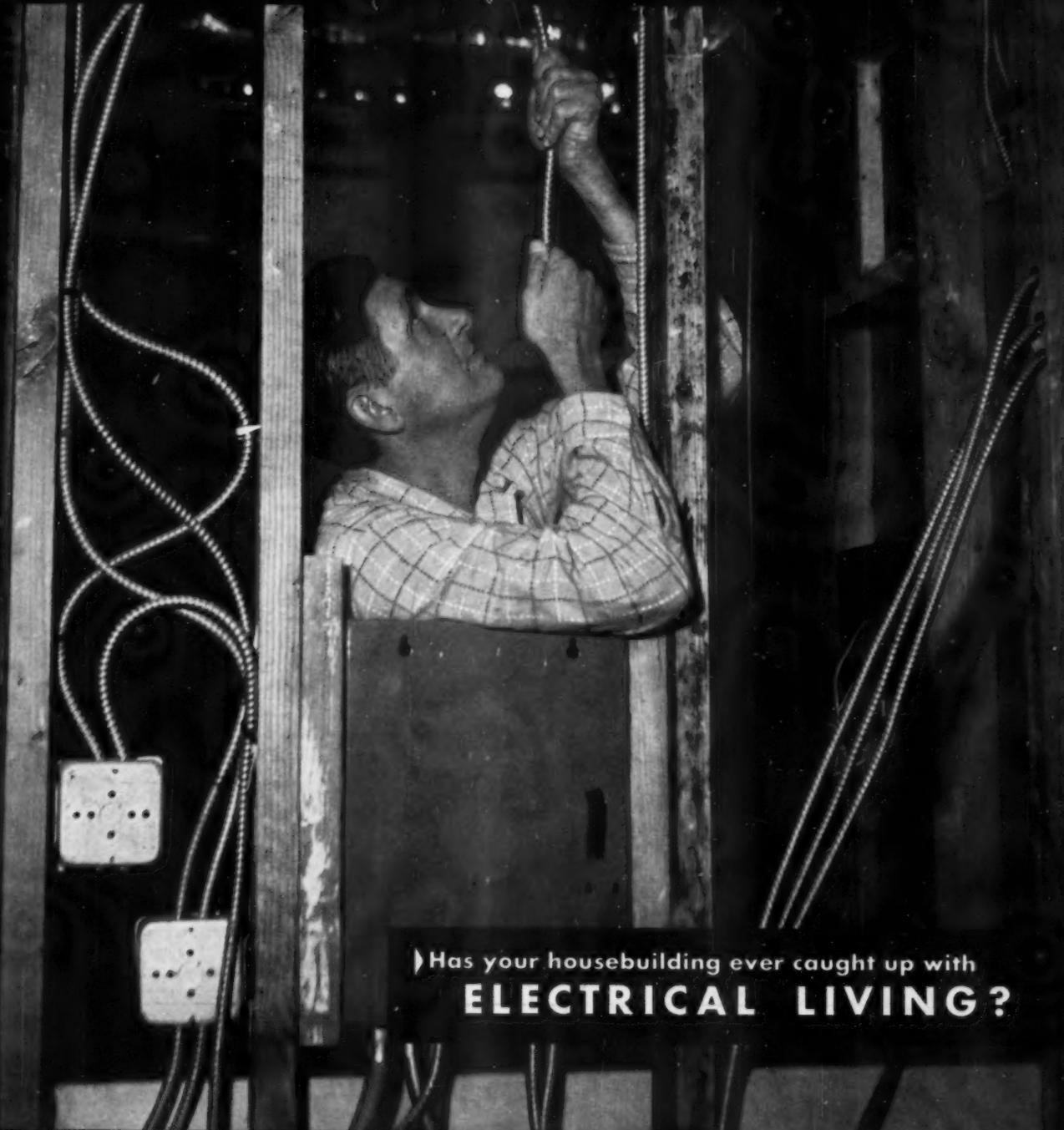


# American Builder

★ OPPORTUNITY FOR MAY 1957 • 75c

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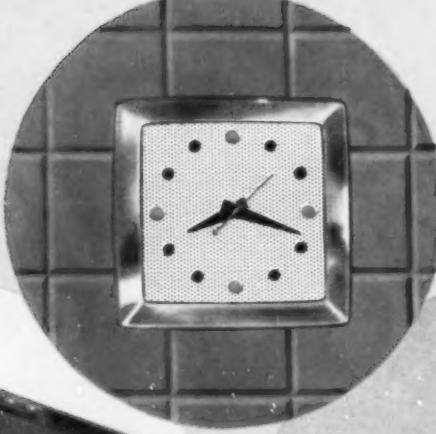
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how builders  
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*NuTone's 3-Way*

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2. NUTONE BUILT-IN FOOD CENTER

## *The Kitchen Sells the Home...*

Nothing excites a woman's enthusiasm more than a modern, attractive kitchen equipped with these 3 NuTone BUILT-INS. America's leading builders are including these in their homes.

**1**

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**2**

The kitchen appliance of the future is here now! The NuTone Built-In Food Center does everything! It's a Meat Grinder — a large

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**3**

Home buyers fall in love with this new idea! It's a 2-note door chime and modern kitchen clock — all in one. — so pleasing to the ear,

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# *NuTone Built-Ins Sell the Kitchen!*



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# The Opportunity Page

(Keynote page of the AMERICAN BUILDER, which is opportunity cover to cover, advertising and editorial)

## An all-around service

If you've felt the need for more cooperation between all segments of the industry, maybe you can interest your local HBA in a plan recently adopted by the HBA of Greater Seattle. An "architects and builders plan service," will provide full facilities for architects, builders, subcontractors, suppliers and government agencies in the fields of residential, multiple family and commercial construction.

## The inside story

Letting your buyers know just what goes into your houses will give them confidence that they're getting good value for their money. Builders Alan and Ira Weissman are doing just that at their De Silva Homes development, Stony Brook, N.Y., with a comprehensive display of the components they use. An exhibit which includes 22 different samples and mock-ups for testing has been set up in a model home. It touches on almost every phase of construction from the foundation to the roof. For example, in answer to the question, "What holds the house together?", the builders have provided a section of framing which includes plywood sheathing, diagonal bridging, double flooring, 2x8 inch floor beams as well as studs, 16 inches on center with triple corner posts.

## A golden opportunity

If you want to get into the remodeling field, this is the month to make your plans. Home owners are going to be hit with all kinds of ads proclaiming May as "Better Your Living" month, and they'll be looking around for builders who can do a top-notch job on modernizing their houses.

For some good tips on how remodeling contractors work, see American Builder's July issue.

## Penny wise, pound foolish

Sometimes you can save money by spending money. John R. Watt, associate professor of mechanical engineering, University of Texas, reports on tests conducted at the air-conditioned village in Austin, Tex. Use of extra insulation, with mineral wool as the basic material, enabled both builders and owners to reduce costs. The professor concluded that for each dollar spent on insulation for air-conditioning beyond current minimum FHA requirements, \$1.82 was saved in equipment otherwise needed—providing a net savings of 82 cents.

## You'll get all the answers

How do you prepare publicity releases? What's the best way to prepare your advertisements? If you want a comprehensive answer to these and other questions about merchandising, American Standard's revised "Blueprint for Sales," is a must for you. Builders can obtain copies through local American Standard sales offices.

## The right approach

When you're building homes in already populated areas, residents often resent the dirt and noise that accompanies construction. Here's a plan adopted by a large company which home builders could also use. Union Carbide Corp. is building new offices on Park Ave., New York City. Morse G. Dial, president, sent letters to 10,000 offices and homes situated within 3 blocks of the site, apologizing for the dust and noise. All kinds of understanding replies are piling up.

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American Builder is published by the SIMMONS-BOARDMAN PUBLISHING CORPORATION, Emmett St., Bristol, Conn., with editorial and executive offices at 30 Church St., New York 7, N.Y.

James G. Lyne, President; Arthur J. McGinnis, Executive Vice President and Treasurer; Samuel O. Dunn, Chairman Emeritus; Fred A. Clark, Vice President and Secretary; Bayne A. Sparks, Vice

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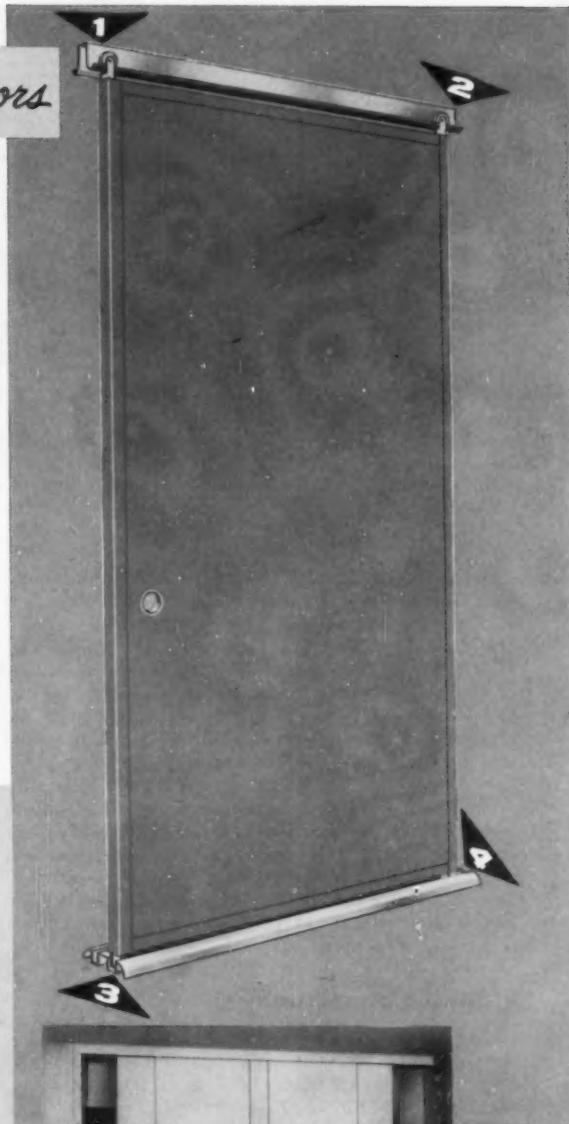
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American Builder (originally "Carpentry and Building") with which are incorporated Building Age, National Builder, Permanent Builder, and the Builder's Journal, was founded Jan. 1, 1879. Names registered in U.S. patent office and Canadian registrar of trade mark.

Address all subscriptions and correspondence concerning them to: Subscription Department, American Builder, Emmett St., Bristol, Conn. Changes of address should reach us three weeks in advance of next issue date. Send old address with the new enclosing if possible your address label. The Post Office will not forward copies unless you provide extra postage. Duplicate copies cannot be sent.

Circulation Department: E. C. Van Ness, Director of Circulation, 30 Church Street, New York 7, New York.

Published monthly by Simmons-Boardman Publishing Corporation, Emmett St., Bristol, Connecticut. Editorial and Executive Offices, 30 Church Street, New York 7, New York. Subscription price: United States, Possessions and Canada, 1 year, \$3.50; 3 years, \$7.00. Foreign countries: 1 year, \$12.00; 3 years, \$25.00. Single copies, 75 cents; April issue, \$2.00. Entered as second-class matter July 20, 1850, at the Post Office of Bristol, Connecticut, under the act of March 3, 1879. Copyright 1957 with all rights reserved. SIMMONS-BOARDMAN PUBLISHING CORP.

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1. Beauty and style for any taste.
2. Weather-tightness to keep out heat, dust and cold.
3. Natural insulation to keep unwanted condensation from forming on frame.
4. Easy to operate . . . well-balanced . . . preservative treated.
5. Easy to finish . . . inside or out . . . paint, stain or wax.
6. Won't rust, corrode, or be affected by acid fumes.

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- Correct in design
- Properly constructed
- Made from carefully selected kiln dried lumber
- Preservative treated
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- Efficiently weather-stripped

Ask your Lumber Dealer about the Ponderosa Pine Woodwork Package for builders.

## Ponderosa Pine WOODWORK



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An Association of Western Pine producers and Woodwork manufacturers

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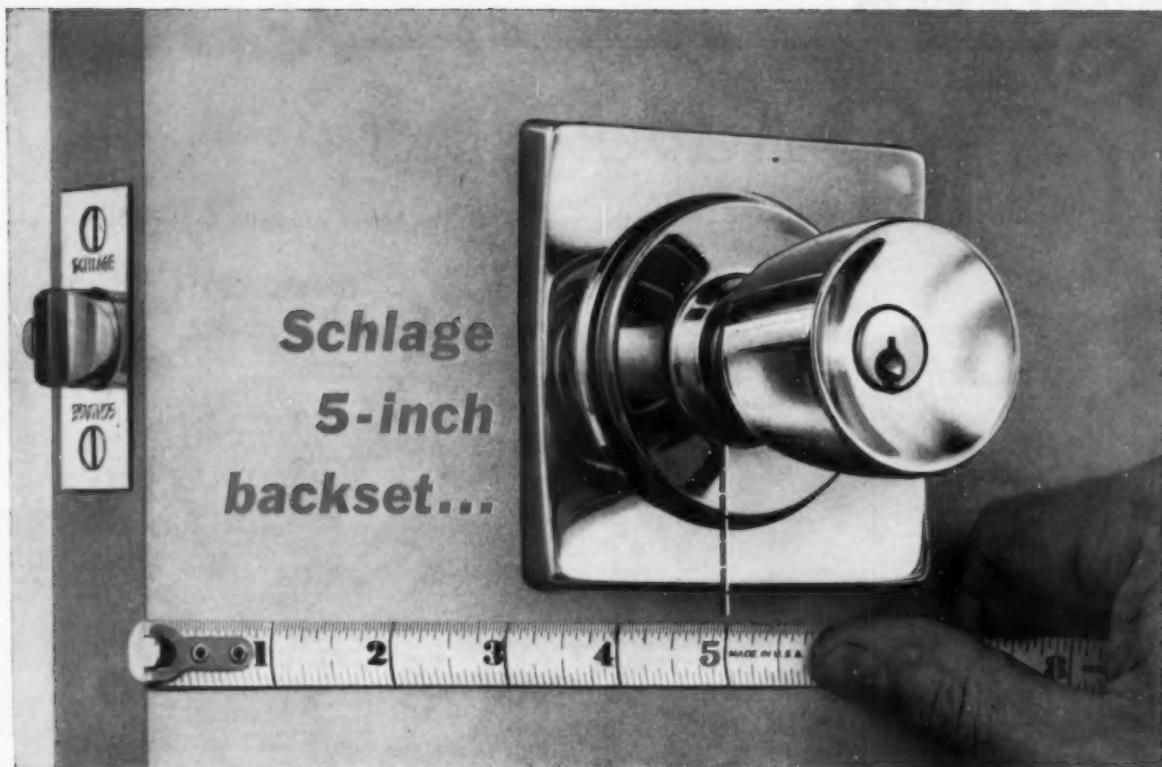
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*Cramped Hand Position of Standard Installation*



*Complete Hand Freedom with Schlage's 5-inch Backset*

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For colorful applications of the Schlage 5-inch backset with Schlage residential lock and escutcheon designs, write today for this 4-color, 12-page brochure.

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New York 7, N. Y.

*Merchandising Pre-building*

Sirs: As a subscriber and long a regular reader I have received many profitable ideas from your magazine. In the past ten years we have built over 700 homes. . . . At the recent Annual Associated Home Builders' Home Show (March 10-17) I showed a \$20,500 Tri-Level house (similar to your Tri-Level in November American Builder) complete. . . . To make the task harder, I couldn't get into the building until March 4. Of course the only way to make this possible was pre-built methods of construction. This method we are using in our Rose Lawn subd. of 134 lots. We find the Home Show a wonderful opportunity to interest the greatest number of prospective buyers in our houses and also in our ability to construct near perfect houses in a short time. . . . Thanks for bringing us new methods and materials in your publication. As you see we do take the ideas and actually run with them.

—Charles E. Wilson, Construction Manager, Peter Construction & Supply Co., Louisville, Ky.

**As we keep saying, off-site building takes many forms and makes sense in all of them.**

*Low-Cost Houses*

Sirs: Thank you for your reply to my letter asking for more low-cost house plans. When you published this correspondence in your January issue the local builders were amused and expressed the thought that the editors of American Builder should take a quick swing around the country and miss the

big cities, for once, and see what is being done in the grass roots for a change.

Just a week's auto trip to Florida will bring you past big 24-sheet billboards advertising homes for \$4,950 to \$6,500 and \$7,500 for three bedrooms. These models may prove to be too minimal or even second cousin to the old "Jerry built" but at least the desire to meet the need is being worked on and the need must have been expressed—and all this is going on without help from American Builder.

—H. McGuire Wood  
 Black Mountain, N. C.

**This time our construction editor replied: ". . . If you read our December issue, you probably saw the Arizona model that won first place in our best model home contest. This house offered three bedrooms, two baths, a garage, and a swimming pool, all for \$9,800. We have seen similar low prices in both Florida and California, and in June of this year we are going to do a story on a New Jersey builder who is selling a three-bedroom house for \$7,350. . . ."**

*Bookkeeping Systems*

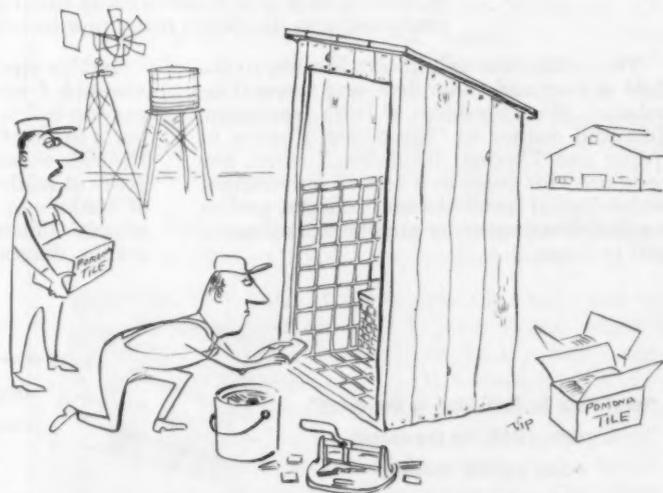
Sirs: I am writing for a solution to my bookkeeping problems. Do you have an outline that would show (1) money coming in, (2) accounts receivable, (3) individual costs of homes, (4) costs of extra work throughout the year (mainly repair work), (5) money coming in from extra work, (6) amount of wages paid, (7) amount of subcontract work paid out, (8) cost of maintenance, (9) cost of new equipment, (10) travel expenses, (11) advertising expenses, and (12) bills due?

I have covered most, though not all, of the data needed to keep me informed of my progress.

The accountants here seem reluctant to set me up (and almost every contractor like me has the same trouble).

—John M. Gority, Contractor, Altoona, Pa.

**One of the best systems available today at modest cost is the one being sold by the Frank R. Walker Co., 173 W. Madison Ave., Chicago. The firm has several systems, depending on the size and complexity of the operation.**



**"Oh, I guess I'd do the same thing too if I'd hit oil on my property."  
 (By Virgil Partch—Courtesy Pomona Tile Mfg. Co.)**

AMERICAN BUILDER WELCOMES YOUR IDEAS. We'll print them on this page if you write them in a letter. Include photographs or drawings if you have them. We'll not use your name if you feel strongly about it.

# These are important problems! DO YOU KNOW THE ANSWERS?

1. Does **BRONZE** or **ALUMINUM** paint on an **IRON** radiator improve or impair its performance? (19, 20, 22)
2. Will **ORDINARY** paint on an **IRON** radiator improve or impair its performance? (19, 20, 22)
3. Is it true that **ICE** radiates heat at a greater rate than a stove? (17, 18, 22)
4. What is :- **k** factor? **C** factor? **Btu**? **U** factor? **R** factor? (17)
5. Is it true that the loss of each lb. of vapor represents a heat loss of 1060 Btu's, or **TEN TIMES** that which raises the temperature of 1 lb. of water 100°F? (5)
6. Does insulation **KEEP OUT THE COLD**? (17, 3)
7. Do thermal insulations create heat? (3)
8. Is it desirable to place vapor barriers on both sides of an insulation? (5)
9. Is it true that cold does not flow to warm, but heat to cold? (17, 18, 19)



Alexander Schwartz, writer and lecturer on heat flow, vapor flow, and condensation.

Some of the answers may surprise you! Look them up in a handy, *new* reference manual, "Heat Flow by Radiation in Buildings," by Alexander Schwartz. You may obtain the booklet *free!*

The numbers above refer to pages in this *important contribution* on the theory and practice of insulating against heat and vapor flow, and against destructive condensation. It is replete with simple, illustrated explanations of how to solve many usual and unusual heat flow and fuel problems; also illustrates many new installation techniques.

The author is a well-known lecturer in the field of heat and vapor flow, and thermal insulation. He is president of Infra Insulation, Inc. and author of "Simplified Physics of Vapor and Thermal Insulation," which has been used for years as a text in universities, technological institutes and colleges, and as a valuable reference by architects, engineers, and builders.

In this one handy booklet of 48 pages are assembled and presented in clear, concise, easy-to-follow language: — facts; figures; reports of practical experiments and scientific theories obtainable otherwise only through years of study and consultation of hundreds of books and other publications. It is generously illustrated with drawings, photographs, diagrams, charts.



"Heat Flow by Radiation in Buildings"  
is yours, **FREE**, for the asking  
—Just use the coupon,  
and get the "answers"!

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Please send  Heat Flow by Radiation

NAME

FIRM

ADDRESS

# The Building Outlook

## SMALL TALK

### IT'S CATCHING

Smart advice comes from the St. Paul HBA: The time has come for those who make up this industry to throw the crying towel in the corner and start building morale and sales by creating an atmosphere of optimism. You can start, they say, by taking the word "lousy" out of your vocabulary and substitute the word "good."

### LONG AND SHORT OF IT

Having trouble with determining the height for fixtures? Many lavatories are being produced with adjustable wall supports so they can be installed at desired heights.

### HOT SPOT

As the trend to larger homes grows, the two-furnace home may some day be as common as the house with a two-car garage. According to C. W. Nessel, heating consultant, one out of every five homes built this year will be equipped with two or more of these: furnaces, air-conditioning plants or systems of temperature controls.

### CRYSTAL GAZING

Will the future of the nation's cities parallel the future of Cleveland as envisioned by five of the city's leading architects? All were sure that the next 25 to 50 years will see more and more planning on a community and city-wide scale. Big chunks of the city will be designed and planned as units. Activities will center around where people are living. These areas will be connected by parks and recreational areas.

**BACK TO THE CITY AND UP.** That's the pattern being set in urban areas where home-site scarcity is plaguing builders. In Phoenix, for example, the transition from strictly horizontal growth to the beginning of vertical growth was marked by the completion of a cooperative apartment building. Builders of the structure, which was conceived as a "collection of modern air-conditioned homes," reports over half the apartments were sold before ground was broken. More of this can be expected as communities expand.

**IS CONGRESS GOING TO WAIT UNTIL THE LAST MINUTE,** then jam through a housing bill which will satisfy no one but Congress? It looked that way as American Builder went to press. Each day new proposals were made, then rejected. Meanwhile, FHA made it easier for buyers in the lower and middle income groups with new down payment requirement: 5% of the first \$9,000 of appraised value and 25% of value over \$9,000.

**RISING LAND, LABOR AND MATERIALS COSTS** are giving impetus to the trend towards large-scale home-building operations. New Jersey builders Saul Cantor and Paul Goldman predict a marked decrease in planning of new home colonies of under 50 houses. Only through large-scale operations, backed by integrated organization, can builders effect economies to offset these increased prices, they say. To back up this belief, the builders have planned a two- to three-year general construction program estimated at over \$50,000,000. This includes completion of one 500-home community, another of 170 houses and three regional shopping centers. In addition, their company has acquired a 565-acre site for a planned 1,800-home development.

**HOUSING FOR THE AGED** comes in for more and more attention as surveys continue to point to the longer life expectancy of the average citizen. In a recent issue of Progressive Architecture, NAHB secretary Carl T. Mitnick declared banks and realty investors are neglecting a huge market in residences for the aged: "Lending institutions today should realize that home loans to older people are really safe investments." The effective life of the average mortgage is eight years, much less than the life expectancy of the typical age-65 borrower.

Check these profit-making features!

# NEW! THOR POWER TROWEL

Does a better, safer job with less crew time!

- ✓ Light weight . . . completely portable
- ✓ Blade tilt for floating or finishing work adjustable by large wheel operated by hand or foot . . . no time-consuming blade changes
- ✓ Safest trowel on the market . . . non-rotating guard ring protects worker, permits work closer to walls
- ✓ Nationally serviced Briggs & Stratton 4-cycle engine
- ✓ Direct, vertical drive—no belts to wear, slip or replace
- ✓ Automatic clutch stops blades at idling speed
- ✓ Drive connection is at blade center . . . for best efficiency and balance
- ✓ 29" guard diameter permits access through standard doors, into basements, etc.
- ✓ 3/4" tubular, one piece frame . . . extremely durable



For complete specifications, demonstration and price . . . contact your nearest Thor distributor or the Thor branch in the city nearest you shown below.

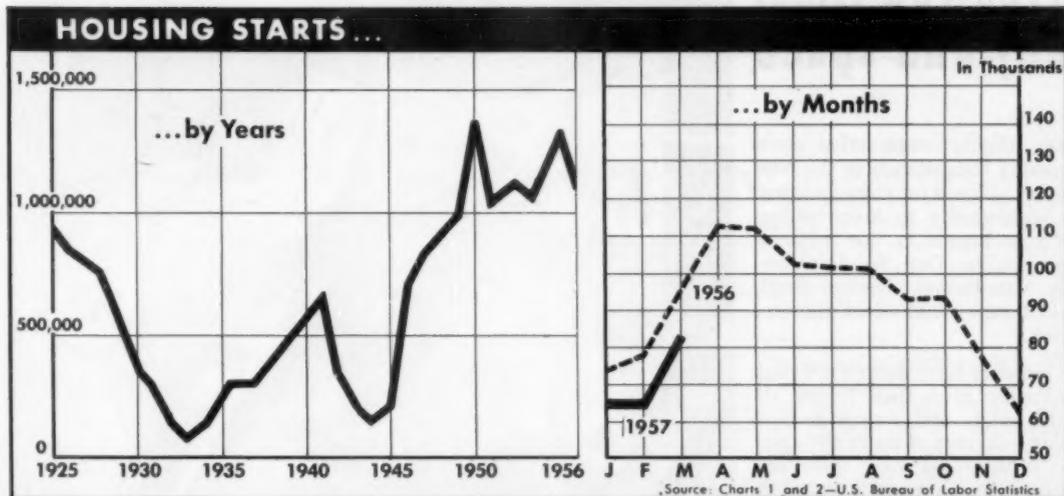
## THOR POWER TOOL COMPANY, CHICAGO

Atlanta	Cleveland	Los Angeles	Richmond
Birmingham	Denver	Milwaukee	St. Louis
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Export Division, New York City



# Pulse of Building



## 1 Interpretations:

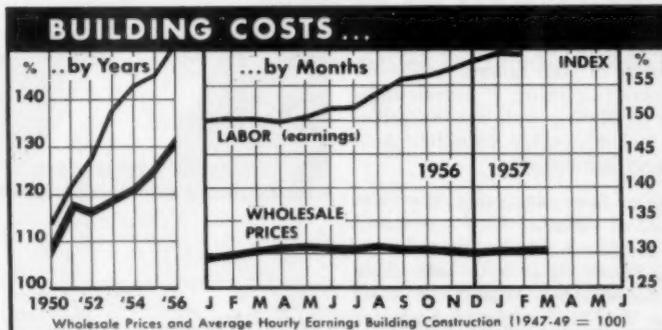
After a low February, there was a less-than-usual seasonal rise in March housing starts. The seasonally adjusted annual rate declined 3%, marking a new low in the downward trend which began in 1955. Although there was some increase in units begun under FHA and VA, the major share of the Feb.-to-March rise was in conventionally financed housing. The gain over the first quarter of 1956 for total new construction resulted chiefly from greater public outlays for highways, schools, etc.

**LOWEST FIRST QUARTER AVERAGE SINCE 1949**—963,000 units—reflected 83,000 March starts, 16% below March 1956. Seasonally adjusted annual rate continued its downward trend to 910,000.

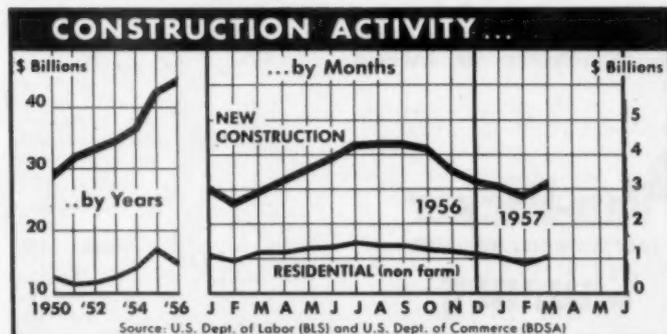
## 15 LEADING HOME BUILDING AREAS

Dwelling units built in Metropolitan areas during 1956. (BLS)

	Units Built	% Change Jan.-Dec. 1955-56
Los Angeles	89,262	-14
New York	77,425	-20
Chicago	51,475	-14
Detroit	30,910	-24
San Francisco	21,956	-32
Miami	17,131	+5
Washington	16,526	-27
San Diego	13,269	+16
Cleveland	12,135	-23
Baltimore	11,538	-25
Boston	9,936	-13
Buffalo	9,714	-11
Atlanta	9,485	-18
Denver	9,200	-30
Phoenix	8,500	-17



**2 REVERSING A 9-MONTH UPWARD TREND**, hourly earnings fell slightly in February to 159.3. Building costs held steady during the first quarter, with March only fractionally higher than a year ago.



**3 AT \$9.2 BILLION**, the quarterly outlay for new construction was 4% higher than in 1956, the most active first quarter on record. The March figure of \$3.2 billion was a new high for the month.

# Factory-built masonry chimney saves you time, money and space

**Problem:** Rising construction costs and increasing competition in the new home market — need for money-saving building components to keep selling prices of new homes in line without sacrificing quality. **One Solution:** Install the Van-Packer Factory-Built Masonry Chimney instead of conventional brick.

Many builders have discovered that the Van-Packer gives their homes all the beauty, safety and permanence of masonry at a savings of up to 40% per chimney. With Van-Packer there are no job delays, the chimney is installed in 3 man-hours or less anytime during construction. There is no need for a brick pier or special framing.

In red, buff or white brick color, the Van-Packer brick-design panel housing harmonizes perfectly with the exterior color scheme of your homes. Acidproof  $\frac{5}{8}$ " fire clay tile lining, 3" vermiculite-concrete insulating wall and asbestos-cement jacket provide complete protection and durability.

Ceiling or floor suspended, the Van-Packer saves valuable floor space and permits the furnace to be located anywhere to better fit in with your floor plan. Independent laboratory tests prove the Van-Packer provides greater draft than an 8" x 12" tile-lined brick chimney.

Immediate delivery to your job site from your local heating or building material jobber or dealer. See "Chimneys—Prefabricated" in Yellow Pages, or write Van-Packer for Bulletin RS-1-12.

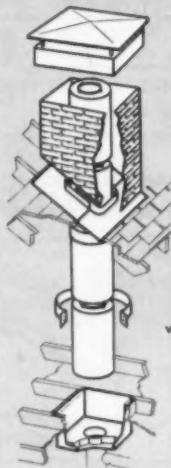
 **Van-Packer**  
FACTORY-BUILT MASONRY  
**Chimney**

Van-Packer Company  
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P. O. Box No. 306, Bettendorf, Iowa  
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Also Manufacturers of  
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Completely packaged Van-Packer Chimney goes up in 3 man hours or less.



Snap-on housing cap  
Brick-design panel housing in red, buff or white  
Adjustable aluminum flashing

7" I.D. flue sections of 2100°F.  
 $\frac{5}{8}$ " fire clay tile liner,  
3" vermiculite concrete insulating wall, asbestos-cement jacket.

Section joints sealed with acidproof cement.

Drawband reinforces each section joint.

Support assembly has 4X safety factor—eliminates pier.



UL listed for all fuels, all home heating plants and incinerators, approved by major building codes.

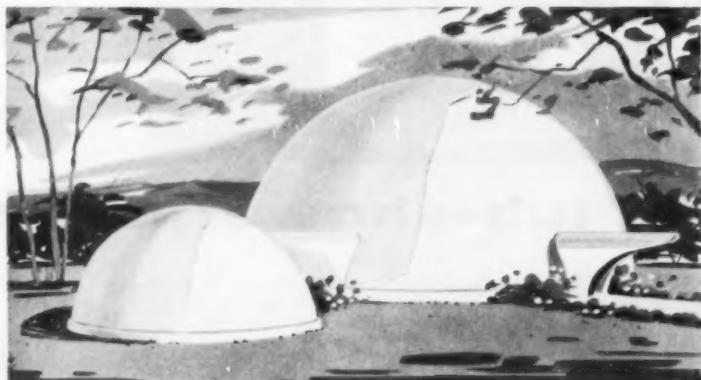


Attractive brick-design panel housing assures home buyer acceptance.

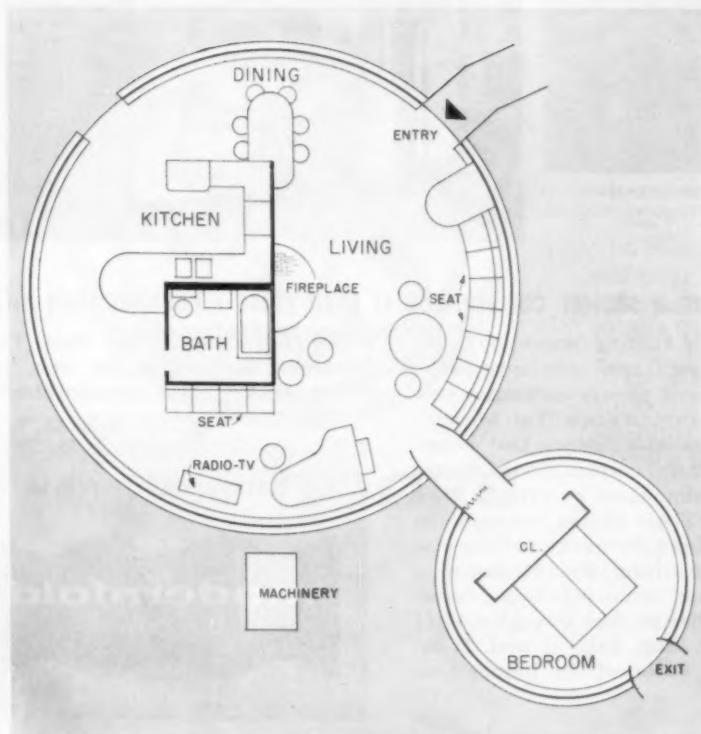
Van-Packer chimney housing in red, buff or white to blend with any home.



# Tomorrow's House



**From Frank Lloyd Wright: a collapsible  
"Air house" of plasticized fabric**



No one will ever be able to accuse Frank Lloyd Wright of conservatism. This time the old master (old, that is, in years, but certainly not in ideas) has come up with a house of light fabric inflated with low-pressure air, and easily collapsible.

The design is made possible by a material called "Fiberthin," developed by the United States Rubber Co. It is a light, tough, vinyl-coated nylon fabric, and the amount necessary to create the house shown at the left weighs but 200 lbs., and can be folded small enough to fit into a car trunk.

Only very low air pressure is required to keep the house inflated, low enough so that the difference between outside and inside cannot be noticed. The air pressure is supplied by a blower which is part of the forced-air heating and cooling system. Opening a door to go in or out will not release enough pressure to cause the house to collapse; should Junior get careless and leave the door open, it might permit the structure to settle gently around the family's heads, but once the door was closed, things would immediately blow back up to normal.

Either water or sand can be used as ballast to keep the house from blowing away. It's contained in a tube around the base of the house.

The "airhouse" is a development of the "Airhouse-warehouse," a structure on the same principle which was shown at the NAHB Convention in Chicago. (See March American Builder, pp. 82, 83.)

It should be noted that Fiberthin is resistant to scuffing, weathering, sunlight, and salt water. The house will stay put in strong winds, and can support heavy roof loads.

The day may come when every family will need a tire-patching kit in its home repair tool kit.

This house, and a similar but smaller model, will be on display during the "Showcase for Better Living" of the second annual International Home Exposition, May 4-12, in the New York Coliseum.

entirely new  
and wonderful way  
to enclose bathtubs  
and shower stalls



**New Folding Tub-Master Slides Smoothly, Quietly** for luxurious showering. Translucent doors let in plenty of light, keep out drafts. The bar that fastens enclosure forms a handy towel rack.

## sliding folding tub-shower doors!



**Tub-Master is Made With High-Impact Plastic.** Can't shatter or splinter... has no sharp corners to cut or scratch. Panels fit snugly into polished aluminum frame; won't warp or deteriorate.

**Tub-Master Folds Back and Stays Out Of The Way** for bathing children or washing bathtub. By-passes for easy entrance to tub; closes completely for shower. Dries immediately. Cleans like a breeze.



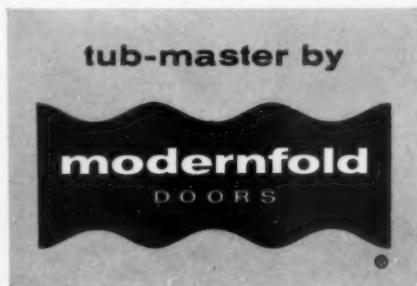
**The New Door for Shower Stalls** safe, easily cleaned and permanently beautiful.

### Cleaner than a shower curtain • Safer than glass • Lovelier than either!

Now—a really exciting innovation to increase the saleability of your houses—the most convenient shower enclosures ever made! MODERNFOLD's new "Tub-Master" has every desirable feature that homebuyers want in custom-made shower enclosures; eliminates everything they don't want. (These photos just start the list!) And there's absolutely nothing else like it for glamorizing your bathrooms!

"Tub-Master" comes in beautiful decorator colors that go clear through—won't fade, mildew, chip, flake or peel. It increases the value of the homes you

build...helps merchandise them. Call a MODERNFOLD Distributor; he's listed under "Doors" in the classified directory.



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**ONE**  
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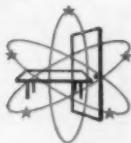


**Gibraltar**  
**FLUSH DOORS**

and save **75%**  
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SSS FLUSH DOORS come to you just ONE STEP away from a beautiful, brilliant, durable finish. There's no sanding, no priming, no filling. Just a finishing coat, of your choice — wax, varnish, lacquer or stain — and the job is done. The finish is perfect.

Let us send you our new full color brochure on SSS Flush Doors and a sample of the SSS veneer with which they are surfaced.



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On way to 460-home total, milling prospects at Winston Park had bought 169 houses by 10 A.M. Saturday. At right are builders David Muss and Norman Winston, sales manager Bob Richards.

## How Alfol Insulation helped these men sell 460 homes in one weekend!

"Build better, then sell harder!"

In the Chicago suburb of Melrose Park, it was this formula that enabled master builders Norman Winston and David Muss to sell 460 new homes in a single two-day weekend!

Details of the "super" promotion of Winston Park Homes would fill an entire merchandising text. But the real key was *superior construction*.

### Insulation merchandised

One of the many top features of these homes was full insulation — including sidewall protection with Borg-Warner's ALFOL Aluminum Foil blanket.

As an index to quality, buyers were told the importance of wall insulation. How ALFOL, its foil layers reflecting 95% of all radiant heat, means greater comfort, extra savings . . . plus full protection against moisture condensation.

### Unsurpassed efficiency

ALFOL excels in ceilings, too. Unsurpassed for year-'round value, its amazing superiority in summer makes a difference your prospects can actually *feel!*

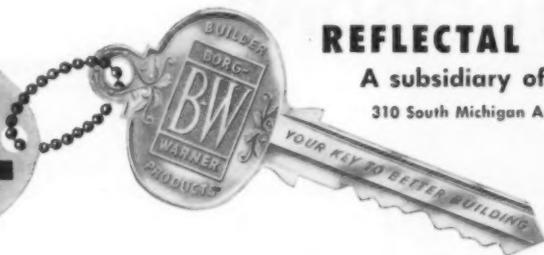
Why not investigate clean, easy-installing ALFOL for your next job. Learn why it can be *your* key to better construction, faster sales.

**Send today** for your free copy of the new 24-page ALFOL Data Book. No cost or obligation.



**You get full insulation plus a positive vapor barrier**

Alfol application is rapid, positive, almost foolproof. Multiple aluminum foil layers space themselves automatically to provide peak insulating efficiency plus a positive vapor barrier . . . all in one operation!



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**GOING TO PRESS**

**EVERYONE WANTS TO BUILD UP COMMUNITY FACILITIES . . .**

**. . . but red tape is driving  
builders "facility-happy"**

**M**any families are being priced out of a home of their own." That's how costly the community facilities problem is in **Seattle**, according to C. F. Dally, president of the local HBA. And Seattle's problem is not an isolated case.

Replies received to an American Builder press-time survey indicate that community facilities has become one of the industry's bigger headaches. There's no way to assess, in dollars and cents, exactly how much this problem is costing builders. But as Gordon Neilson, executive vice president, **Houston HBA**, wired: "An increase of 25% in development costs of the average Houston lot in the past two years is due to several raises in water and sewer connection fees, permit fees and steel required in paving."

No one denies that the community facilities problem must be faced by all concerned—builders, local officials, those buying homes and already-established residents. (See Dickerman's column, p. 20.) But reports such as that from Houston point up the fact that too many local governments are making builders the scapegoats for their own shortsightedness in not preparing for new residents. They're putting the squeeze on home builders in the form of exorbitant fees and site donation requirements. They wrap their rules and regulations in so much red tape that it's virtually impossible for the builder to do his job properly.

However, through close cooperation between builders and local officials, seemingly unsolvable community facilities problems can be resolved, as builders in **Pittsburgh** discovered.

One of the most serious situations in **Allegheny County** (the Pittsburgh area) concerned installation of septic tanks. As subdivisions mushroomed up further and further away from city sewer lines, some homeowners found their septic tanks were not operating properly. Newspaper headlines shouted "Shoddy Builders," and the area's builders were informed by the county's planning commission that it would approve very few septic tanks in the future. The problem was further complicated by red tape in the form of overlapping of jurisdiction between the commission and the Department of Health and the State Sanitary Water Board. The latter two went along with the commission's ruling on septic tanks. The problem isn't over, but a solution is on the way and it's one other areas might adopt if they face similar problems.



**FACILITIES continued**

The HBA of Metropolitan Pittsburgh met with members of the three agencies to see what could be worked out. The HBA proposed state-approved package type plants for as few as 5 houses to eliminate the "no man's land" between individual septic tanks and the large treatment plant which cannot economically be considered for less

than a 350-home development.

In other words, if a builder intends to erect 5 or 10 homes on a plot with no sewerage installation, he would be permitted to build one large septic tank and install the house lateral and street lateral so that the streets would not have to be torn up at a later date. This would preclude the building of 5 or 10 individual septic tanks with the possibility that some would be

faulty and that someday the builder might have to pay twice for his sewerage (if and when a sewer line came along). The single large septic tank would be built as an interim facility to treat the sewerage until the neighborhood could support the cost of a trunk line.

Harold Sampson, who represented the HBA at the meeting, reported that under such a plan the possibility of getting more com-

DICKERMAN'S COLUMN . . .

## Needed: over-all community planning

by John M. Dickerman, Executive Director, National Assn. of Home Builders

As the nation figuratively shrinks and its population literally soars, each day brings new evidence that home builders must take into account in their planning the problems affecting areas beyond their own immediate operations.

There is constant overlapping in our mushrooming urban areas. Who can tell in metropolitan complexes where one community actually leaves off and another begins? And, as the clusters of communities around a single central city expand outwards, they impinge on other clusters to create, in effect, a gigantic metropolitan belt. The Eastern seaboard from Boston to New York and thence through New Jersey to Philadelphia, Wilmington, Baltimore and Washington illustrates this pattern.

Each individual community, of course, has its own unique local problems. But each also has common problems created by this overlapping metropolitan expansion and by outmoded municipal regulations. What effects home building in one community or city may influence others to a degree scarcely envisioned only a few years ago.

The home building industry is vitally affected by these rapidly-moving developments. On the one hand there is the need for revitalizing many of the central cities and their immediate environs if stagnation and decay is to be checked. On the other hand, there is a tremen-



Dickerman

dous need for community facilities for the millions who prefer to live outside of the central cities. Most of the over 12 million homes built since World War II have been in these areas.

Now land is vanishing; that is, land which is suitable for building in a price range commensurate with modest incomes. With the shrinkage of land—and the tremendous cost of providing the essential facilities—there has been an unfortunate tendency on the part of some local authorities to restrict home building. This has been done in various ways—by requiring builders to pay a disproportionate share of the cost of providing for schools, water facilities, sewers and recreational areas; by unwise and restrictive regulations, and by various other devices.

There is, I think, a compelling need for reexamination of the role of local government in urban areas. The pattern of American urban community life has changed drastically, particularly in the last two decades. New and improved means of transportation and communication have been largely responsible.

In other words, the conditions that prevailed when the system of local government was established no longer exist in many instances, but the system continues. Few communities in urban areas today can live (as perhaps they did in the past) in an isolated splendor largely unaffected by developments in adjacent communities. Few, if any, communities are self-sufficient. Where once a river furnished more than enough water for a central

city and its scattered environs, today it may be scarcely adequate for the demands made upon it by closely clustered communities in and about its watershed.

There also is a compelling need for a reexamination of community planning. Community planning must be keyed to area planning and this area may be a single metropolitan complex, or it may be a tremendous urban belt such as now appears on the eastern seaboard.

There is, as a matter of fact, an important body of thinking that now believes the problems of metropolitan centers and sprawling urbanization eventually must be handled with some new form of inter-area governmental planning authority—much like water compacts between states.

Now what of the role of the home builder? If this growing population of ours is to have the housing it requires and where it requires it, the home builder must have a role in the planning on all levels. This means several things.

It means an end to the hostility that has developed in all too many areas on the part of public officials towards the home builder and his industry.

It means that individual home builders must, in instances, conform to overall planning rather than pursuing their own particular objectives.

Finally, but not less important, it means that only through organization can home builders keep abreast of the trends and developments affecting their livelihood.

munity sewerage is much greater and the cost is less. Figures worked out by the HBA proved the small plant idea would cost the builder no more than present septic tank installation providing the State Dept. of Health approved the effluent from the plants.

The HBA, at its own cost, has engaged a firm to design such a plant. One problem remains, according to Dick Irwin, executive secretary. Each municipality in the county (and there are about 129 of them) must okay the plant before a builder can install it in the municipality. And, by giving an okay, the municipality takes on the cost of running the plant.

Pittsburgh isn't the only area where builders are talking things over with local officials. Here's what they're doing in Seattle.

"Local requirements have resulted in up to 30 per cent of our land in streets . . . imposed on subdivisions of typical GI or FHA homes. HBA obtained action by the King county commissioner to appoint a committee consisting of the heads of local government departments which require and administer these conditions. They will meet weekly with home builders, land planners, state health, VA, FHA and others, until a solution is found," Dally reports.

Water supply is another knotty problem for builders. It's particularly acute in the Denver area, according to Edward T. Rice, executive vice president, HBA of Metropolitan Denver.

"Practically all available water in the area is controlled by Denver. The city refuses to serve an area outside specified line unless it is part of Denver. In the past annexation of peripheral lands was, almost a necessity if water was to be available and industrial growth maintained.

"The city's recent policy requires a \$2,000 per acre annexation fee, plus an 8 per cent land donation for public site purposes, to be paid in advance and in cash.

"The city's attitude is that the cause of all its financial ills stems from annexations and this fee is its answer to making newcomers pay for community facilities."

It's easy to see, in situations like these, why the cost of new homes keeps rising. For more on the problem, see page 23.

## Meet the builder

► To what extent do you furnish your model homes? What do they contribute to sales? Where do you get furnishings?



**Louis V. Bossert, Bordentown, N.J.:** We completely furnish models, including towels in the bath, etc.—all items to make a home appear lived in. A furnished house is the only method to exhibit. I would say 80% of our sales result therefrom. Not too much furniture, not too little, not too large, models must have warmth.



**Frank Calcara, Bethesda, Md.:** Our model homes are 100% furnished. Furnished homes contribute 90% of our sales. It would be difficult to sell without them. The furnishings are obtained locally.



**Mario Porchetti, Columbus, Ohio:** We have used completely furnished models and models with no furnishings at all. I have sold just as many homes from unfurnished models as from furnished models. The dealer who loans me the furnishings actually gets sales and inquiries from the displays.



**Stanley J. Slote, Scarsdale, N.Y.:** We furnish our models completely, including many accessories to give houses a lived-in feeling. We feel furniture is absolutely essential to sales. Our furniture is purchased from retail stores and decorators and we re-use it at least twice.

**YOUR SOUNDING BOARD:** Let American Builder know what problems you'd like discussed. Write: Meet the builder.

## Why the money shortage can't ease

Just how artificial is the mortgage money shortage? It's almost completely artificial, according to executives of banks, savings and loan associations and insurance companies surveyed by American Builder.

*(American Builder conducted its survey after a report by one of the country's leading business papers indicated that mortgage money was growing more plentiful; that some lenders were back in the market looking for mortgages for the first time in over a year; and that bankers had begun to talk of lowering interest rates on most forms of borrowing.)*

The artificiality of the shortage may come as a surprise to Congress and the Administration, but the replies from these mortgage experts bear out what members of the home building industry have

been saying right along:

By holding an arbitrary ceiling on interest rates for government-backed loans, Congress and the Administration have tried to repeal the natural law of supply and demand. And, it won't work!

Almost unanimously, the reports agreed: Conventional lending has continued and will continue at a high rate; FHA and VA financing will continue at a slow rate as long as interest rates for these loans continue low.

For several months Congressional committees have held hearings at which builders, bankers and mortgage men have told of the need for more flexibility in interest rates. George Goodyear, NAHB's president, has warned of disastrous consequences if the government doesn't act soon. But as American Builder went to press, only token

government action had been taken.

Congress and the Administration might take a long look at these reports before they turn their backs on requests for more flexibility in interest rates:

• "There appears to be developing some interest by investors in mortgage loans, principally in the conventional category by reason of return available on that type of mortgage. Little if any mortgage money is available for VA offerings because of prohibitive discounts necessary to bring them into line with market yields. Recent increase in FHA rate has made these loans more attractive, but discounts ranging from 1 to 5%, depending upon geographical area, appear to be deterring many builders. The outlook seems to indicate continuance of interest rates on present

*(Continued on page 235)*

### LUMBER DEALERS . . .

## How to up your sales and build profits

by H. R. Northup, Exec. Vice Pres., National Retail Lumber Dealers Assn.

In our continuing search for new and better ways to build profits we tend to forget that we can often make even more money by doing a better job on the fundamentals of good selling which are too often neglected.

For example, we all know that there's no quicker way to antagonize and probably lose a good lumber yard customer than by selling him or her the wrong type, size, grade, or quantity of material. If, for example, the salesman sells too small a quantity, the customer is put to the trouble of returning to the yard, or going somewhere else to buy the additional quantity. He loses time and patience. If the salesman sells too large a quantity, the customer is stuck with it and feels he has been imposed upon.

We also know, but tend to for-

get, there is one sure way to avoid most of these selling errors. That is by asking the customer one key question, "What are you planning to use it for?" The question always should be asked unless the customer's order is so definite as to indicate he knows exactly what he needs.

Asking the key question not only prevents mistakes that may lose customers. It also serves one other very important purpose by opening the door to making a larger and more profitable sale. For example, the customer who comes in for a half dozen 1x8's may be planning to put up a few shelves or build a simple bookcase. Or, he may be starting a bigger job such as finishing off his basement or building a dark room. The salesman who brings out that information has a chance to sell the whole bill of materials needed for the job before the customer buys the rest of his needs elsewhere.

When there is a crowd of cus-

tomers waiting for service there is a great temptation to save time by guessing what the customer really needs, but too many wrong guesses spell trouble. Manufacturers of many products sold in lumber yards are doing an increasingly good job of telling, on their labels and containers, how to use their materials, what grades to use for what purpose, how much is needed to do a given job, and so on. But lumber, the backbone of every dealer's sales volume, presents a special problem since it ordinarily comes unwrapped.

The lumber manufacturers' associations do a fine job of making available the necessary information about how to use their product but the only way they can channel the facts to large numbers of customers is through the dealer—either in printed or oral form.

That question, "What are you planning to use it for?" is the best safeguard against costly or embarrassing mistakes.



Northup

## Community facilities: who is going to pay the price?

Communities throughout the country have been trying to stop home building by crying the age-old problem, "Who's going to pay for community facilities?"

New homes increase a town's population. Communities, afraid that they will not be able to accommodate new-comers with proper schools, sewerage, and other facilities, have placed the brunt of the expense on builders' shoulders. (See American Builder survey, p. 19.)

It is rare when the problem does not exist. Dallas' HBA, serving the city and nearby communities, has no complaint about local government taxing builders for the cost of community facilities.

According to Herbert De Shong, executive secretary of the association, there have been no major increases in costs for community services to developers and builders recently. Here's the reason:

De Shong reports that the association and its members work closely with the city government and its departments to stay acquainted with trends. Frequently it presents studies to the city which give builder-developer opinion on community facility matters.

For example, in January, the city presented voters a bond issue covering a two months program which would extend sewer and water lines.

This program also included major water supply expenditures which would take more time.

The builders and developers aided the city by telling the public the problems which had to be worked out. The voters gave full approval.

De Shong said, "While there always are problems arising which must be worked out, we feel the Dallas area has very singular history in efficient local governments and industry cooperation—all resulting in general public benefits."

### Tucson HBA fights back

But in Tucson, Ariz., the situation is more typical of what's been happening around the country.

Ellsworth A. Moe, executive secretary of the Tucson HBA, said the city and Pima County have been trying to saddle home builders with community facility costs.

The HBA has been fighting a proposed ordinance on subdivision regulations. Under it, builders would be given the responsibility of granting portions of subdivisions for park and recreation use.

An HBA committee on city-county affairs, under the chairmanship of E. J. Manely, headed off this proposal in a meeting with the city council. The same problem arose in Pima County and the HBA

is now working with the County's planning and zoning committee to try and change the proposal there. They expect to be successful.

The association is asking the County to buy up park sites in un-subdivided areas in anticipation of urban growth. This practice has already been adopted by the five school districts in greater Tucson.

### California's headaches

There is a definite tendency to stick home builders in Southern California with community facility costs. And according to Harry Stewart, executive director of the Building Contractors Assn., communities try to outdo each other.

Like Tucson, city governments expected builders to provide land for parks. A common practice was to delay final approval on maps until land was donated. Recently the BCA got a court decision which killed land donations.

Acreage assessments on subdivisions, extra charges for future sewer work, flood control, ornamental street lighting are just part of the tax builders are expected to bear.

To put an end to these practices, the association is now getting the attorney general's opinion on just what the rights of the cities are.

It is also holding meetings with leagues in other cities and has 18 chapters working with local committees to help on revenue problems.

Although the community facility problem will be with builders for a long time, close cooperation between builders and enlightened local governments points the way to brighter days.



**TIGHT MONEY?** There's plenty in Texas where they print their own. "Dick" Hughes (R) told how to get the real stuff at a Texas Panhandle HBA meeting. Listening are Charles Bates, pres. (C), and Donald Mason, secy. (L).



**SWEDISH VISITOR** to Houston's Sharpstown is Jarl Hjalmarsson (C), delegate to the U.N. His visit was part of a tour of U. S. home building projects. Shown with him are his wife (L), and Frank W. Sharp, developer.

# STYLED TO



# PLEASE



Unless your homes are planned carefully for modern living, unless they are *STYLED TO PLEASE*, the sales you made last year are not bringing you a volume of prospects, today.

R·O·W High-Lite gliding windows are *STYLED TO PLEASE*. Owners tell their friends about the windows that look better and work better. They praise the windows that lift out from inside the house for easy washing or painting. They are pleased with the spring pressure guides that keep the windows weather-snug and free from rattles—yet easy to operate.

They like the warm look of wood and the freedom from annoying condensation on sash and sills. They know that these windows are not only beautiful, but are *STYLED TO PLEASE*. They become prospects as second-time buyers and they are the very best kind of salesmen for the builder. Incidentally, R·O·W High-Lite windows are easier to install.

R·O·W SALES CO., Dept. AB—1399 Academy Ave., Ferndale, Michigan

Please send me your colorful brochures on High-Lite Gliding Windows and on your improved and balanced removable double-hung windows.

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R·O·W WINDOWS  
LIFT OUT FOR  
WASHING OR PAINTING



# Johns-Manville SEAL-O-MATIC Asphalt Shingles...

Seal-O-Matic Shingles were tested under hurricane force winds of a Pan American Clipper at Idlewild Airport. Conventional shingles were damaged, Seal-O-Matics held tight.



## Tested and proved

**Here's the secret**—A stripe of special Seal-O-Matic Adhesive is factory-applied to the underside of each shingle. The sun's heat seals it down automatically. Seal-O-Matics grip tight, stay flat—even in hurricane force winds.

Seal-O-Matics are a revolutionary development in roofing which will help you sell your new homes faster. And Johns-Manville backs you to the limit in telling your prospects the Seal-O-Matic story.

## Only Seal-O-Matics have this proved record of performance

**More than 100,000 Seal-O-Matic® roofs are giving completely satisfactory performance in all extremes of weather—heat, cold and hurricanes**

Self-sealing shingles are only as good as their adhesive properties. Patented Seal-O-Matics, the orig-

inal self-sealing shingles, have an adhesive stripe of exclusive design:

*Wide stripe*—provides large bonding area

*Thick stripe*—assures bonding even under unfavorable conditions

*Continuous stripe*—eliminates

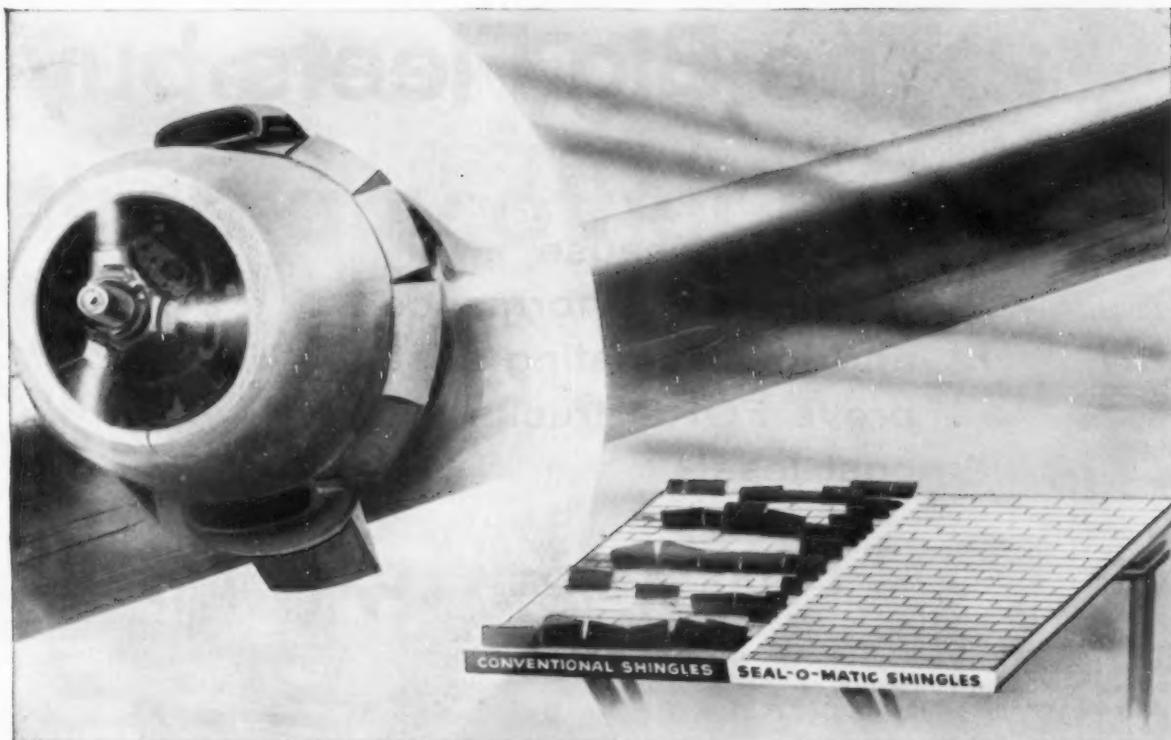
openings through which water may enter

*Full-length stripe*—protects corners from being lifted by wind or cold

*Protected stripe*—keeps adhesive free of foreign matter which would interfere with sealing



# Johns-Manville



in hurricane winds!



### Complete merchandising package for builders

It includes wall plaque for model homes, owner's certificate of application, imprinted literature for model home visitors, movies, still pictures. And J-M backs you up with

national magazine and network TV advertising. Order today, free, from your J-M Representative or write Johns-Manville, Box 111, New York 16, N. Y.

# The Big Fleets buy

Why?...because  
on-the-job performance  
and low operating costs  
prove FORD trucks  
cost less!

**New F-100 pickup** with Styleside body, standard at no extra cost. Flareside body with wood floor also available. Both types in either 6½- or 8-foot body lengths.



Billions of miles of on-the-job experience have proven Ford's dependable performance and low operating costs to the big fleet owners.

Contractors and suppliers, large and small, have found Ford trucks are best for their fleets, too. To begin with, Ford's initial costs are low. Many models are priced below all competitive makes. For example, the new Ford Tilt Cab models are America's lowest-priced!\*

And it costs less to run Ford trucks! Modern Short Stroke power and sturdy chassis construction cut operating costs and "shop time." Another important Ford plus is longer life—a fact certified by independent insurance experts.

Add it all up—you'll find Ford trucks do cost less! Contact your Ford Dealer . . . let him show you why the big fleets are buying more Ford trucks than any other make.

\*Based on comparison of manufacturers' suggested retail delivered prices

## Representative Contractors and Suppliers who have picked Ford Trucks for their fleets...

BAILEY, LEWIS, WILLIAMS, INC. Atlanta, Georgia	RENIGER CONSTRUCTION COMPANY Lansing, Michigan	SHERMAN CONCRETE PIPE COMPANY Jacksonville, Florida
FROSBERG CONSTRUCTION COMPANY Lansing, Michigan	PHOENIX DEVELOPMENT COMPANY Omaha, Nebraska	ARTHUR H. NEUMAN & BROTHERS, INC. Des Moines, Iowa
VICTOR CARLSON & SONS, INC. Minneapolis, Minnesota	GEE COMPANY Chicago, Illinois	TURNBULL FUEL & BUILDING SUPPLY CO. Hamilton, Ohio
CREW BUILDERS SUPPLY COMPANY Cincinnati, Ohio	McKEAN CONSTRUCTION COMPANY Salt Lake City, Utah	HEITZER & DROBAC, INCORPORATED Milwaukee, Wisconsin
CAMPANELLA & CARDI CONSTRUCTION CO. Warwick, Rhode Island	JOHN A. WALSER, INC. Louisville, Kentucky	HARDESTY AND JOHNSON COMPANY Clayton, Missouri
W. S. BELLOWS CONSTRUCTION CORP. Houston, Texas	R & M EQUIPMENT COMPANY Pittsburgh, Pennsylvania	

## FORD TRUCKS COST LESS

LESS TO OWN

LESS TO RUN

LAST LONGER, TOO!

# more FORD TRUCKS than any other make!



**Ford's Big Jobs** are heavy-duty throughout. New, more durable engines. New stronger cabs and chassis. Up to 45,000 lb. GVW.



**New Ford Medium Duty trucks** have higher horsepower and more rugged chassis construction. Your choice of three modern Short Stroke engines—V-8 or Six.



**From the street: formality.**

**Inside: open planning offers a choice.**

**Ultimate result: a combination of . . .**

## Two-speed living —



**FORMALITY INDOORS** is provided in these living and dining rooms set apart from activity centers such as kitchen and family room. For outdoor formality a patio adjoins the dining room (foreground).



**INFORMALITY INDOORS** is reflected in family room (foreground) and kitchen with snack bar. Outdoor terrace to left of kitchen (see opposite) adds to casual layout. Entry gives direct access to formal or informal areas.

# of the MONTH for May

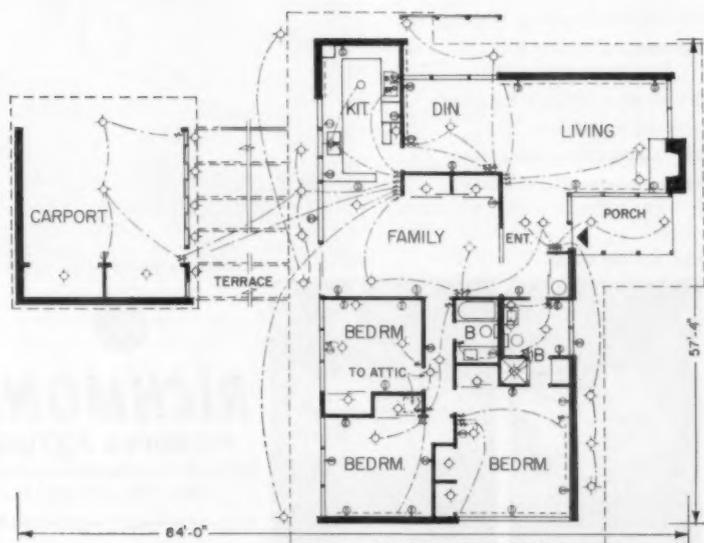


Photos: John Rogers

**DALLAS BUILDERS** Gordon L. Wright and Associates oriented this house north and south, but air conditioning can adjust any house not perfectly oriented to its lot.



## indoors and outdoors



**OUTDOORS**, open planning features a solid window wall in every room but the kitchen, whose windows look out on spacious terrace (above). Overhead trellis, louvers shield against hot western sun. Sliding glass panels join terrace to family room.

**ARCHITECTS** Herschel Fisher and Donald Jarvis, A.I.A., designed this model as *Living for Young Homemakers' Electric-Living* house in Dallas. Note how completely they provided for cross-ventilation, so vital to comfort in this section of Texas.

**Award winning development—  
plumbing fixtures  
by **RICHMOND****

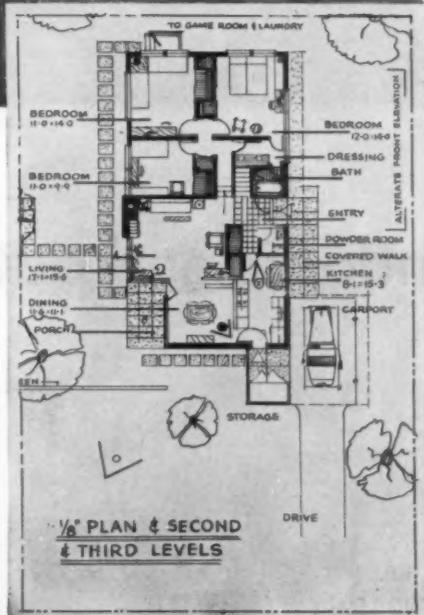


**SUMMIT PARK OF MT. WASHINGTON  
BALTIMORE COUNTY, MARYLAND**

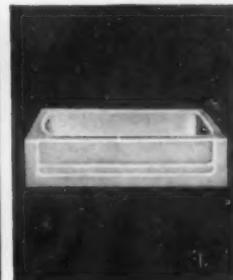


Concentration on sound planning and basic quality make Summit Park an outstanding example of modern housing. The result has been not only a special citation by civic groups—but also a record of sales success. To date 203 houses have been built—203 houses have been sold to satisfied customers. Naturally, like so many builders who put quality first, the Herbert Construction Company installed plumbing fixtures by Richmond. The same clean-line styling, sparkling colors, lasting beauty and performance have a place in your future plans. Write for complete catalog, or consult Sweet's Catalog File.

**BUILDER**—Herbert Construction Co. **ENGINEERS**—Whitman, Requardt & Associates  
**ARCHITECT**—Thomas G. Jewell **SITE PLAN**—Bernard M. Willemain  
**PLUMBING CONTRACTOR**—Joseph Sandler, Inc. **SURVEYOR**—Nathan Scherr  
**PLUMBING WHOLESALE**R—The James Robertson Manufacturing Company



TYPICAL RICHMOND FIXTURES FOR SUMMIT PARK



**RICHMOND**  
**PLUMBING FIXTURES**

Division of Rheem Manufacturing Company  
16 Pearl Street, Metuchen, N. J.

The Fastest Growing Name in Plumbing Fixtures

## Western Views

By **BILL RODD**  
WESTERN EDITOR

▼ **A PLANNED NEIGHBORHOOD** called Raleighwood will result from the efforts of 11 architects and designers in Portland, Ore., who joined forces in a design-team. Each will design a home in the \$25,000 to \$35,000 price bracket. Members of the team will consult with each other so that the group of homes will blend in an integrated community, although each will be completely individual. The developers are inviting builders to view the plans on these homes which are available for construction.

▼ **"UPGRADING" THREATENS LOW-COST HOUSING** according to Arthur L. Lynds, president of the San Diego BCA. Lynds does not object to higher standards for those who can afford more expensive houses. What concerns him is that these standards made mandatory by law or administrative action also apply to housing for low-income families and it "prices them out of the right to own a home." He refers to steadily increasing requirements in building codes, in developing lots, in community facilities. He

said, "Most of us would like to have a new Cadillac. But wouldn't it be ridiculous to require that every one either buy a Cadillac or walk?" He did not mention FHA and VA requirements which chafe many builders.

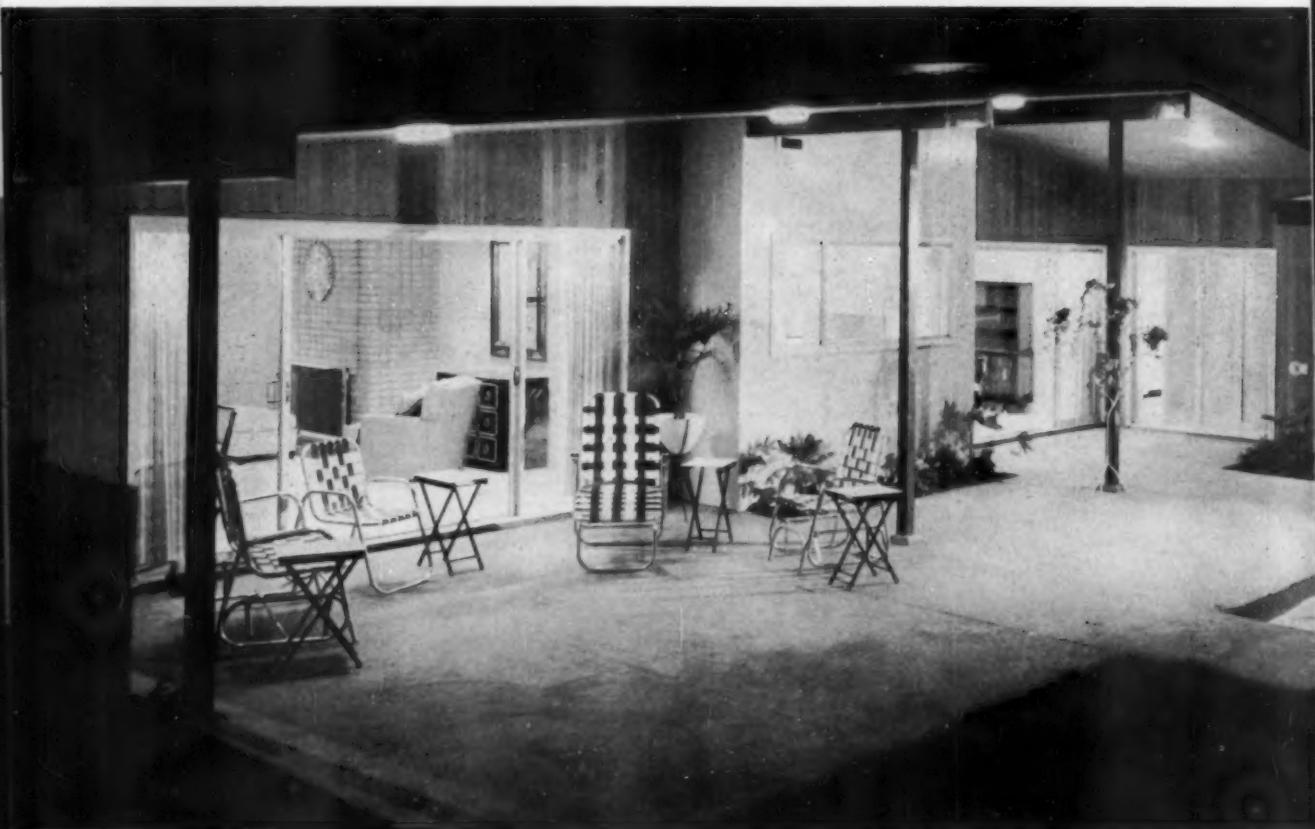
▼ **OUT-OF-TOWN LICENSE FEES ATTACKED.** Recently a Los Angeles electrical contractor won a test case precipitated by his refusal to pay license fees in Culver City, Cal., because he was already licensed by the state. He was arrested by the city and, after posting bond, he filed action against the city. He won his case in Superior Court and in the District Court of Appeals, but the Supreme Court refused to review the case. Now the Southern California Assn. of Cabinet Mfrs. is seeking a restraining order against all cities within the court's jurisdiction who assess such fees on contractors not having their regular place of business within the city. In order to make the move statewide it seems to be necessary that interested parties take the same action with each Superior Court in the state. The

fees imposed by individual cities and towns range as high as \$100 for a year's license and constitute an important cost to contractors doing business outside their towns.

▼ **CONVENTIONAL FINANCING** was recommended by Carl Gellert, NAHB national director, in remarks to his local group in San Francisco. He predicted that FHA and VA will be tougher in the future on appraisals, inspections and come-back service and said, "I believe builders should finance more through conventional financing and use of second mortgages and trade-ins . . . even though this will mean higher down payments and harder selling."

### Western Advertisers Index

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## How to dress-up a western

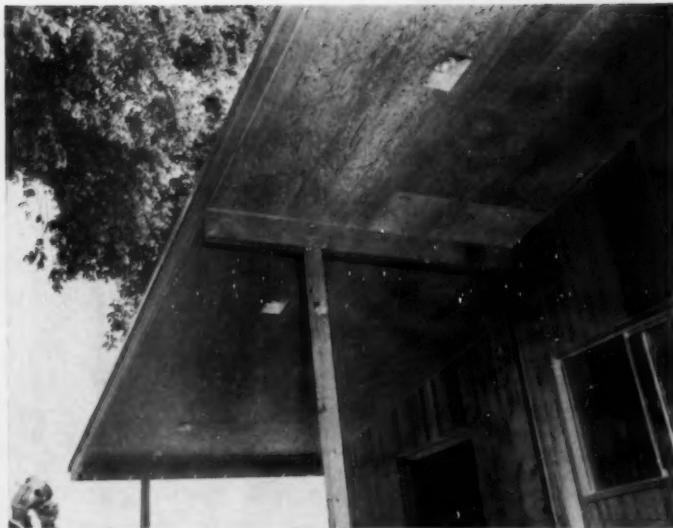
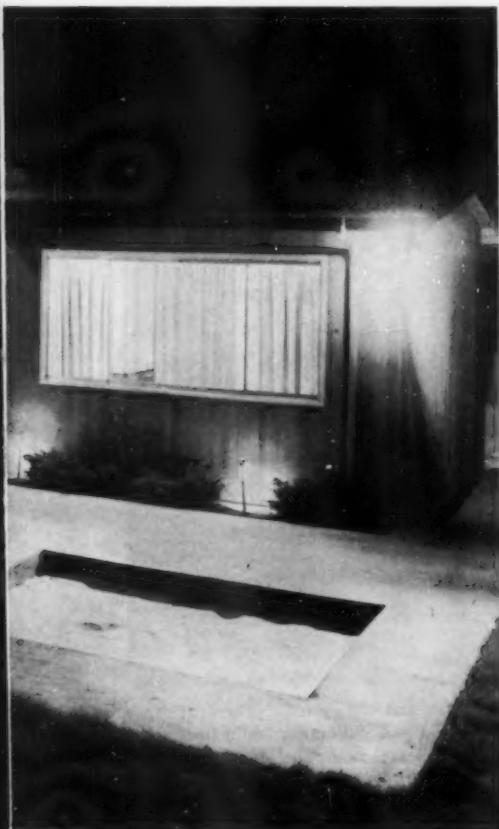
**H**ow do you build a house that sells itself? Start with a good design—add 150 electrical features—and no buyer will be able to resist it. Jack Nunn, of Portland, Ore., did just that when he put up the Electri-Living show house.

Designed by Walter Gordon, the house is one of 22 electric homes sponsored by *Living for Young Homemakers*. Both Nunn and the Portland General Electric Co., co-sponsor, won *Living's* top prize for the job they did. Right now it's being duplicated all around Oregon.

Buyers want convenience in their homes so Nunn showed them the benefits of electricity. The newest electrical innovations and appliances are apparent everywhere. And there's adequate house-power to take care of them too. A 400-amp service center and 35 circuits and circuit breaker panels can easily handle all 150 electric features. Extras include a Home Music intercom system, a fire alarm, and a Hydroguard by Powers Reg. which controls water temperatures.



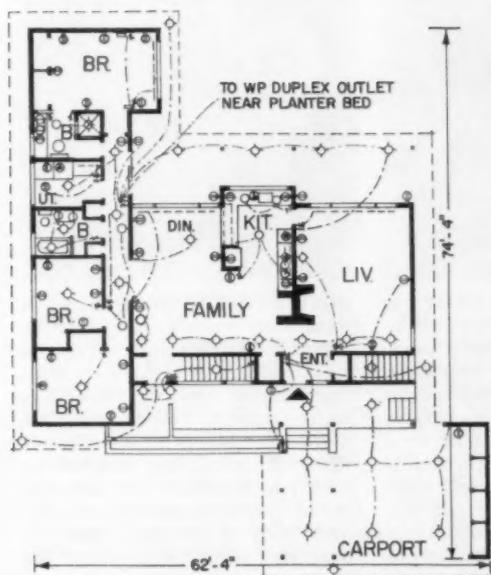
**VALANCE FLUORESCENT LIGHTING**, always attractive to a buyer, is used in the living area. It is controlled by dimmer switches that produce variable light levels. Traverse lamp over table moves in any direction.



**HERE'S A CLOSE-UP** of the night lights used on the patio. The fixtures are recessed into the closed soffit. Weatherproof electrical outlets were used. By building the lights into the soffit, the lines of the house were kept intact. Night lighting allows the outdoor area to be used at all times.

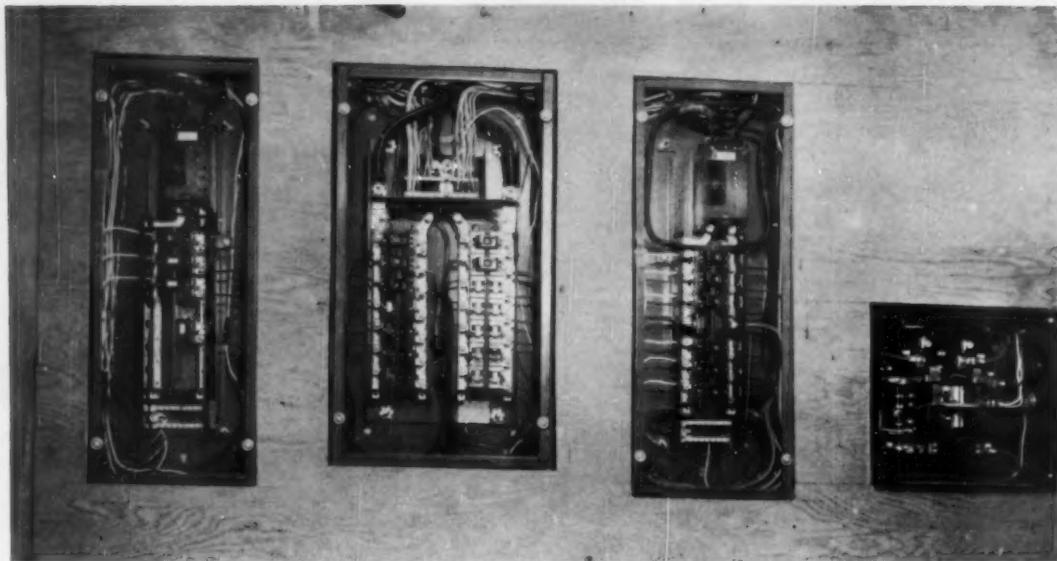
**EMPHASIS** was placed on decorative lighting which was also functional. The fenced-in patio area is well-lit by recessed fixtures, and along the sides accent lighting adds to the effect. Both types assure a well-lighted play area. Entrance to the patio is provided from the bedroom and living side of the house.

## house electrically



**LOW-SWEPT LOOK** is achieved by continuous eave lines of rear and front elevations. Back and front have an 8' overhang which offers weather protection. The interior, 1,470 sq. ft., was planned to provide efficient living. Note the wiring system.

HOW TO DRESS-UP A WESTERN HOUSE ELECTRICALLY *continued*



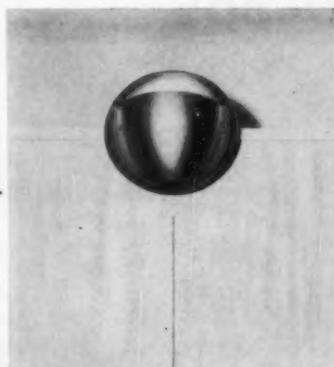
**RULER OF THE HOUSE** is the 400-amp service panel with a total of 35 circuit breakers. Without this center the 150 electrical features could not work. The house has five different electrical heat applications which work off the

center—baseboard, wall and ceiling units. There is also a sunshine room with heat and sun lamps, and a heat pump which acts as a supplemental unit. The smaller panel on the right is for heat control, cuts from 220-110.

How this 400-amp service center becomes the core



**A SURE-SELLER** for any house is specially designed lighting. The master control, besides being able to turn the lights off and on throughout the house and yard has another feature—a dimmer control by Luxtrol. By turning a dial this control can produce various intensities of light from very dull to reading levels. It works for the valance lighting in the living area. In the kitchen, lights were designed to be completely shadowless, so work could be performed with ease.



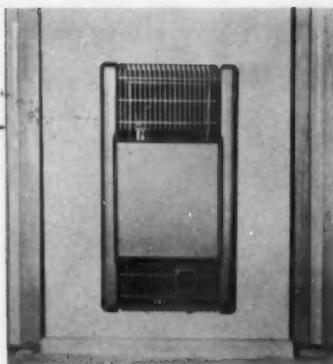
**MODERNISTIC OZONE LAMP** was included as part of the kitchen equipment to help destroy cooking odors. It's mounted on a cabinet right above the cooking units, and works hand-in-hand with a double exhaust ventilator which removes steam from the area. Besides being functional, the lamp is decorative. The manufacturer is Westinghouse. The Textolite counter tops (not shown) have wire mold every seven inches for flexible use of electric appliances.



**BOTH BATHROOMS** and the utility room have exhaust ventilators by Pryne. In the utility room, the exhaust keeps moisture at a minimum when equipment is operating. Ventilators are controlled by time-delay switches which automatically turn the motors off. Switches can be set anywhere from 1 to 30 minutes. A convenient clothes drop from each bath and bedroom leads to the utility room. Its large work area houses a washer and dryer, and a wall-heat unit.



**WEATHER-CONTROL SYSTEM.** This outside thermostat, which is really an "anticipating" control, is only part of the electric heating system. This versatile house has five different applications of heat. Each technique has been placed in its particular place for its suitability and use. All are controlled from a master switch. This outside thermostat is connected to an inside unit, and acts as a steady temperature regulator for the house in winter and summer.



**ANYTIME OF THE YEAR** the Electri-Living house is set at a comfortable temperature. Some of the heating devices have a dual purpose like this Wesix air-to-air heat pump. Besides cooling the entire house in the summer, it acts as a supplemental heating unit in the winter. One of its main features is an air purifier which keeps the house free from dirt and grime. The pump, like the other heating units, works off the master control located in the hall.



**ONE GIMMICK BUYERS GO FOR** is a master control panel. This one in the Electri-Living house is located in the master bedroom and has a Remcon low-voltage light control wired into it. A flip of the switch turns lights off or on in other parts of the house or yard. A dimmer switch, wired to the control, can produce several light levels. The panel works off the 400-amp center. Throughout the house, lighting was planned to be functional, and to enhance the decor.

## for electrical sales gimmicks



**HIGHLIGHT** of the house is this unique sunshine room on the downstairs level. It is equipped with sun lamps (all have Timeaire controls) to provide the benefits of sunshine all year. There are three heat lamps and three sun lamps. All but one of the sun units are recessed into the ceiling. The odd lamp is a pull down type, for concentrated sunbathing, and it can be adjusted to any height. A separate circuit controls the lamps; another circuit the regular outlets.



**HEAT CABLES** in the ceiling provide electric radiant heat for the hallway. They are only one segment of the house's system. Wall thermostat, connected to outside thermostat, and the master control are also located here. Besides the hall, the family room, kitchen and living room are warmed by ceiling units. Other heat applications are found in the three bedrooms which have baseboard units. For quick concentrated warmth, the baths have wall heaters.



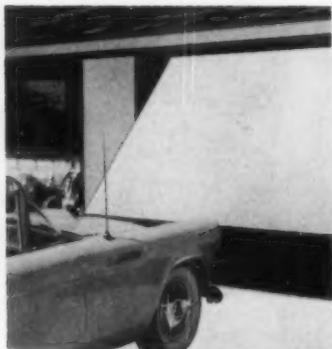
**FOCAL POINT** of the house is the kitchen designed to provide maximum efficiency. Built-in range, oven, refrigerator, garbage disposal, and dishwasher are by Admiral. A Stanthony hood is over the stove. The master control unit of the inter-com system is also in the kitchen. One highlight is a fireplace which can be used for regular or charcoal broiling. There are several outlets on the counter tops for electric appliances—among them a mixer and blender.

← WHAT ————— HOW →

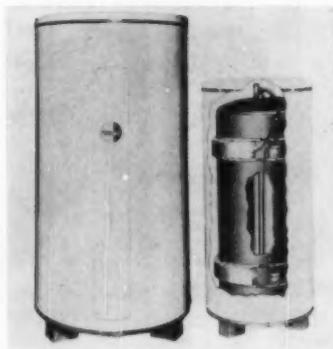


**"UPLIGHTING"** instead of flood-lighting is suggested for dramatic outdoor effect. Fixture of copper and bronze is reflector-type lamp, half-shielded so that its light is not visible directly except as it shines on tree. Uses one 150-watt bulb. Fixture costs about \$24. Kim Lighting Co., Dept. AB, Pasadena, Calif. (No. 5064-W, page 132.)

## 4 ways to add electrical interest



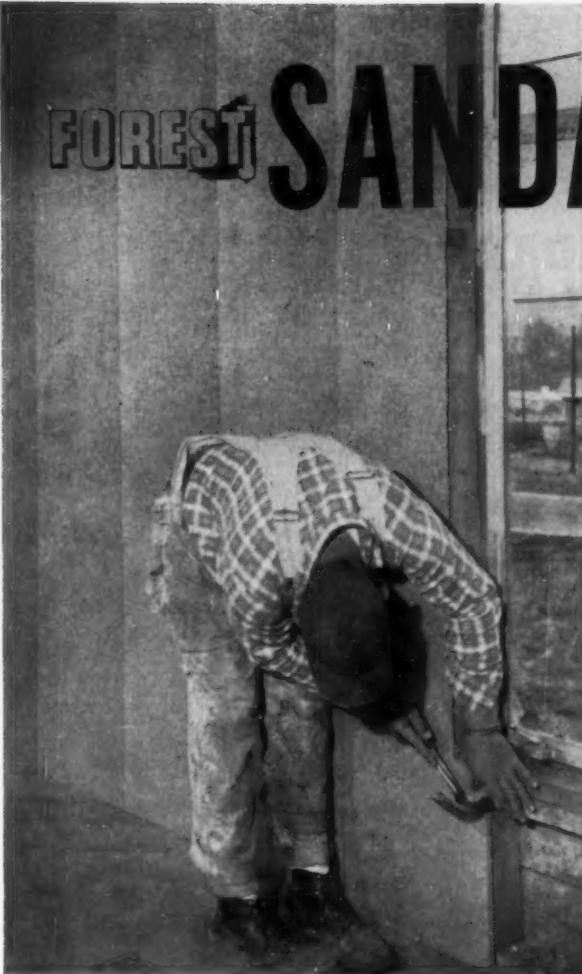
**EASY OPENING** for the garage door can be had with the installation of an "Ez-O-Matic" garage-door operator. Radio controlled, door opens with touch of receiver button in the car, can also be operated from button inside garage. Stops automatically for any obstacle. Russell Bros., Dept. AB, 1005 W. 17th St., Santa Ana, Calif. (No. 5065-W, page 132.)



**FREEDOM FROM RUST** is guaranteed with this new glass-lined electric water heater. Lining is permanently fused to the tank, will not crack or chip. "Equato-Ring" unit in each tank provides one gallon of 150° water every three minutes. From Norris-Thermador Corp., Dept. AB, 5215 S. Boyle Ave., Los Angeles 58, Calif. (No. 5066-W on page 132.)



**QUICK LIGHT** for fireplace logs or barbecue charcoal in the form of this electric lighter. Priced at \$7.98, the lighter need only be plugged in next to fireplace or barbecue for safe and fast job of lighting fire. Burn-proof phenolic handle. Meteor Enterprises Inc., Dept. AB, 424 N. Varney St., Burbank, Calif. (No. 5067-W on card, page 132.)



**FOREST**

# SANDALWOOD<sup>®</sup>

**when it's up  
it's done**

**This beautiful, pre-finished wall  
of new washable, platinum  
colored hardboard for less  
than \$25.00 (8' x 12')**



**Forest Sandalwood  
recommended for**

Table Tops	Ceilings
Cupboard Doors	Soffits
Wainscoting	Drawer Bottoms
Wall Panels	Fixture Work
Wardrobe Doors	Remodeling

**Sandalwood available in:**

1/8", 3/16", 1/4"  
Panels—4' x 4', 6', 8', 10' and 12' long  
Punched—2' x 4', 4' x 4', 4' x 8'  
Tongue & Groove—16" x 8' by 1/4"  
For all—1/2" & 3/4"—4' x 8'

*Sandalwood...one of a complete line  
of FOREST Hardboards*



**FOREST** HARD BOARD<sup>®</sup>

*"Wood in its Finest Form"*

**FOREST FIBER  
PRODUCTS CO.**  
Box 68 AB  
Forest Grove, Oregon

**SANDALWOOD...new, light color makes ALL ordinary hardboard obsolete**

# NO GUESSWORK IN FORECASTING WITH FULLER'S PACKAGE PLAN!

**You** don't need a crystal ball to forecast costs accurately! Fuller's Package Plan **guarantees** you a firm, competitive price on all Fuller Building Products used in your building program over an agreed time period of up to one year!

## HOW BUILDERS SAVED 6½%

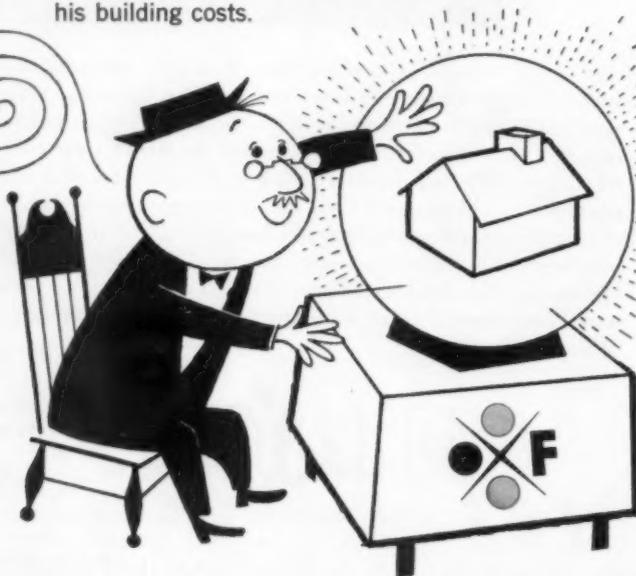
Last year, when the costs of glass, aluminum and glazing increased 6½%, builders who bought these products through Fuller's Package Plan were **fully protected against this increase!** Saved \$30.00 to \$40.00 on the average home.

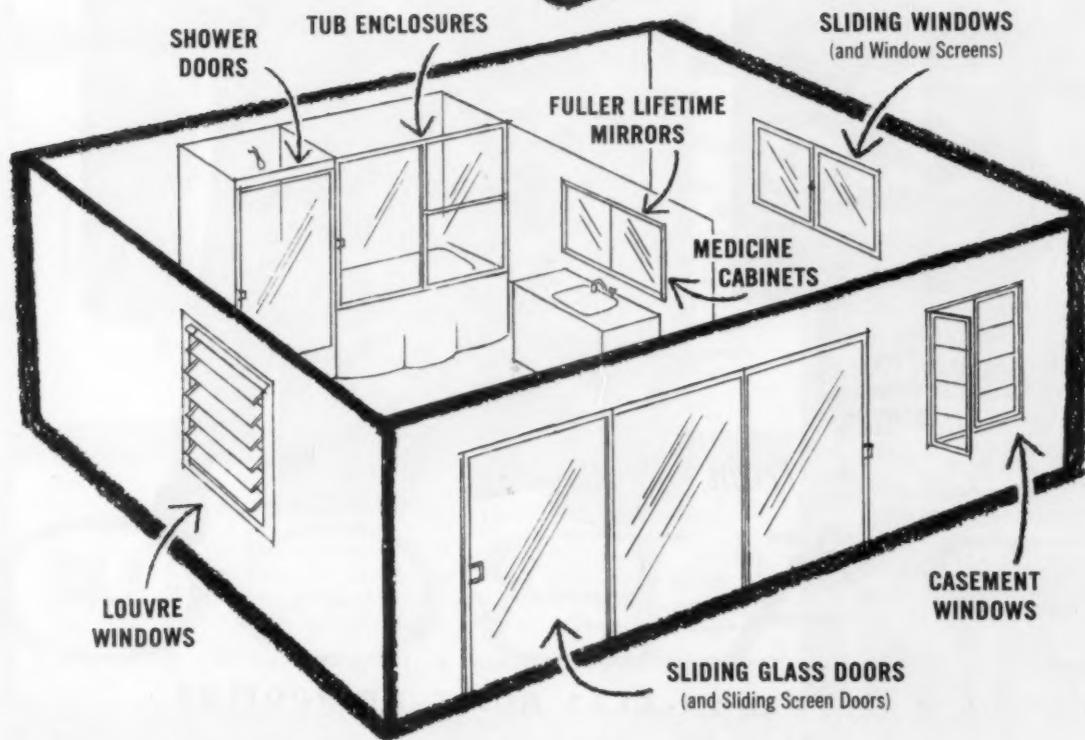
## WHAT THE PACKAGE PLAN MEANS TO YOU

Accurate cost forecasting • Protection from increasing prices • One company to deal with • A single matched design and finish for all products • One contract for your complete order • One delivery to expedite your order according to your schedule.

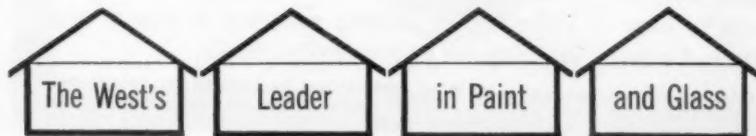
## THE NEW TRIMVIEW LINE

Fuller's new Trimview aluminum components for glass are unsurpassed in quality and beauty. Designed by glass experts, Trimview products are engineered to meet the standards of the builder; competitively priced to meet his building costs.





**FOR FULL INFORMATION**, contact your Fuller Sales Representative, or: W. P. Fuller & Co., Glass Marketing Division, 301 Mission St., San Francisco 19, Calif.





*Now! The Man from*

# PABCO

*introduces new* **PABCO-GLAS BUILT-UP ROOFING**  
*and* **GLASS FIBRE-REINFORCED ASBESTOS FELT**

Here are the newest, most modern built-up roofing materials yet! Pabco-Glas (manufactured with genuine Owens-Corning Fibreglas mat) is lightweight, inorganic and available in base sheets, ply sheets, combination sheets; and mineral cap sheets in red, green, black, and silver. New Pabco *Glass-Fibre-Reinforced Asbestos Felt*

is lightweight, strong, fireproof... extra-flexible for fast, easy application. Ask the Man from Pabco to show you how to profit with these *new* Pabco built-up roofing materials. It pays to rely on Pabco for all your roofing needs.

**PABCO BUILDING MATERIALS DIVISION**  
asphalt roofing • asbestos-cement • gypsum products  
Fibreboard Paper Products Corporation, San Francisco 19, California

# BOURNE DUAL-FIN<sup>®</sup> ALUMINUM WINDOWS

Weathertight! Beautiful! Permanent! Economical!



Even a hose can't force water through Bourne Jalousies!



## EXCLUSIVE, PATENTED DUAL FIN CUTS INSTALLATION COSTS—KEEPS OUT WEATHER!

Bourne's patented Dual Fin is a 3/4" integral extension of the extruded aluminum frame, serving as a nailing flange in frame construction or an anchor flange in masonry construction. Any Bourne Window can be plumbed, squared and installed in five minutes. Exclusive capillary weather seal around all vent openings keeps out wind, dust and rain. Bourne has the right frame for every installation. Architects who specify Bourne Dual-Fin Windows assure lifetime satisfaction.



## WRITE FOR NEW ILLUSTRATED CATALOG

This new 16-page Bourne Dual-Fin Window Catalog tells the complete Dual-Fin story, with size diagrams of all four styles of Bourne Aluminum Windows, and complete installation details. Mailed promptly on request.

**DEALERS! ASK ABOUT THE PROFITABLE BOURNE FRANCHISE!**

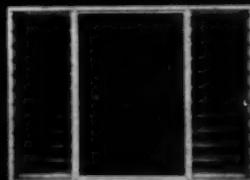


BOURNE PRODUCTS, INC., EL CAJON, CALIFORNIA

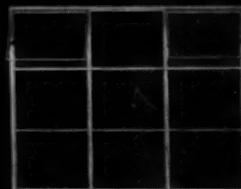
## FOUR POPULAR STYLES



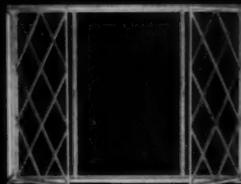
Bourne Aluminum Casements in a wide range of stock sizes.



Bourne Aluminum Jalousies for windows breezeways, porches.

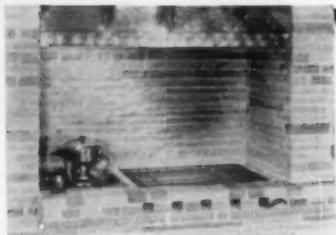


Bourne Town & Country Windows for modern ranch house styling.



Bourne Diamond Patterns bring Old-World charm for modern homes.

**PROMPT SERVICE  
ON SPECIAL-ORDER  
CUSTOM DESIGNS**

**Indoor barbecues  
are easy to install**

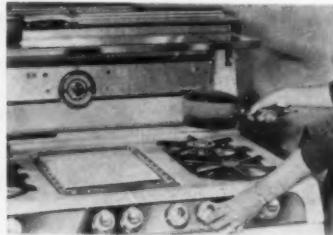
Styled for clean, attractive interior installation, the Goodwin "Haciendas" come in six models and three styles. Enclosed drop-in type shown above has divided chrome grill, skewer supports, deep firebox with movable sides to reduce size of fire area when wanted, heat-control mechanism, sturdy steel frame, black enameled. Goodwin of California, Dept. AB, 1075 Second St., Berkeley 10, Calif.

Circle No. 5068-W on reply card, p. 132.

**Weathertightness plus  
ventilation in window**

Complete protection against the elements, particularly rain, is promised by the makers of this Dual-Fin Window. Long-lasting aluminum frame needs no painting, jalousie-styled glass opens for complete air circulation or can be adjusted to admit as little air as desired. Jalousie window comes in three other styles. More information from Bourne Products, Inc., Dept. AB, El Cajon, Calif.

Circle No. 5069-W on reply card, p. 132.

**Burner control for more  
cooking convenience**

Featured in O'Keefe and Merritt's new gas ranges is a thermatic top-burner control. This new, automatic feature allows housewife to cook without burning, boiling over, overcooking, etc. Simple set of the dial provides for entire cooking process. Also featured: top range shelf for extra meal convenience; two electric outlets; griddle plate. O'Keefe and Merritt, Dept. AB, 3700 E. Olympic Blvd., Los Angeles, Calif.

Circle No. 5070-W on reply card, p. 132.

**"We build convenience into every home...  
from dishwashers to telephones!"**

...says George Artz, President of Alcan Realty Co., well-known Sacramento and Fresno builders. Their newest development includes color phones in bedroom and kitchen, and a month's free service with each home.



Today's homes are built with the buyer in mind . . . and one thing buyers want is complete telephone planning. That's why leading architects and builders, like Alcan Realty, include plenty of telephone outlets, and concealed wiring, as a matter of course. They know how much Telephone Planning can add to the all-around value of a home . . . that it makes for better-built homes and satisfied buyers.

**Pacific Telephone**

*We'll be glad to help you plan built-in telephone facilities. Just call our business office and ask for our free Architects and Builders Service.*

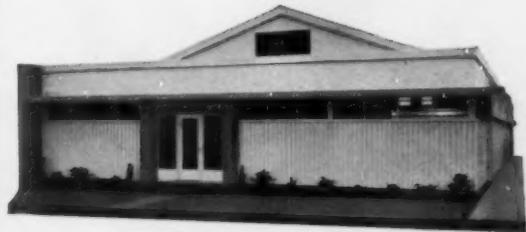
**It pays to include Telephone Planning in every home you build!**

*whatever you need*

**build it better...faster...for less...with steel**



*Service Station by Fentron Industries*



*Plant Office by Calcor Corporation*



*Potato Cellar by Boise Payette Lumber Co.*



*Warehouse by owner*

*Steel is the one material that gives you  
ALL these important building advantages*

**GREATER STABILITY** and longer life can be expected when you build with steel, the versatile metal.

**LOW COST:** Steel construction is precise, simple and fast. You get more usable space per dollar.

**PROTECTION:** Steel is your best protection against fire, wind, snow loads and stress from cranes. Steel is permanent!

**VERSATILITY:** Steel buildings are being used for every purpose. If you need a new building fast; one that will last . . . specify steel.

*For offices, plants, stores, schools, farms, warehousing . . .*

**Give your buildings the advantage of steel**

*United States Steel Corporation • Columbia-Geneva Steel Division • 120 Montgomery Street, San Francisco 6*



**UNITED STATES STEEL**

“One of the features  
that sold the house to us



*Jays on Oatmeal*

...Hermosa Tile, in exclusive smart designs”



*Keying color to home sales*



*Coordinating Tile and Wallpaper*

*Fact 1:* The quicker you sell a house, the greater the profit...*Fact 2:* Color sells a home quicker...*Fact 3:* Modern builders depend on color coordination to sell houses faster. So — sales-wise, be color-wise for better profits.

When it comes to decorative tile, Gladding, McBean's famous Hermosa offers you the West's most complete selection of designs, colors and sizes. Send for our new decorative tile folder—2901 Los Feliz Blvd., Los Angeles.

...your key to faster sales — Hermosa!

**HERMOSA** Glazed Ceramic **TILE** —a product of Gladding, McBean & Co.

LOS ANGELES • SAN FRANCISCO • SEATTLE • PORTLAND • SPOKANE • PHOENIX



*The Man from*

# PABCO

*proves you get better-looking jobs with*

## **PABCO GYPSUM WALLBOARD**

When you hang Pabco Gypsum Wallboard, jobs go fast...waste is cut to a minimum. But the really big difference between Pabco and other wallboards is the way Pabco decorates. Great! The secret's in the surface paper...which Pabco

makes in its own mills. This superior surface takes paint or texture better than any other wallboard you can buy. Jobs look better...are more satisfactory...right from the start. Call the Man from Pabco and make him prove it.

**PABCO BUILDING MATERIALS DIVISION** asphalt roofing • asbestos-cement • gypsum products  
Fibreboard Paper Products Corporation, San Francisco 19, California

Profit from a trend  
with GETZ  
imported hardwood paneling

*Beauti-Plank*

Here is individuality in select quality paneling that sells fast, stays sold and brings in blue chip referrals and repeat business. 1/4" 4 x 8 panels faced with six random plank width veneers. Veneers are plain sliced, mismatched and grooved along the joint at varied intervals to fall on each 16" stud center. Beveled edges allow buttjoint installation. Comes in Teak, Oriental Ash (Sen), Oak, Birch, Walnut and Cherry.

*Beauti-Panel*

For your customers who desire a more formal effect, Getz Beauti-Panel offers carefully selected plain sliced veneers, matched, but not V-grooved. This exquisite panel brings out the beautiful grain of wood, and practically sells on sight. Available in: Teak, Oak, Birch, Walnut, Cherry and Oriental Ash (Sen).

For your customer and prospect lists

Beautiful, FULL COLOR JUMBO POSTCARDS showing Beauti-Plank and Beauti-Panel are available for your local mailings. Contact your nearest Getz Bros. & Co. representative for full information.



The Mark of Quality on Imported Wood Products

231 Sansome St.  
San Francisco, Calif.

563 E. Green St.  
Pasadena, Calif.

160 Broadway  
New York, N. Y.

WESTERN BUILDERS KNOW:



ATTRACTIVE ENTRY FIXTURES are a must. Star bulbs are used in Starlite Home, La Canada, Cal. Made by Southland Lighting Co.

Fixtures can make ...



"ADJUSTABLE BULLETS" nicknames pull-downs in the Starlite Home. On a trolley, they can be moved from the counter to the table.

... or break a sale



LAMP POST in front of a Roy G. Staff house, San Bernardino, cost \$35. Wiring and miscellaneous cost another \$35. Planter was extra.



Interior designs by John and Earline Brice.

Give any interior this fresh new beauty  
**BEGIN WITH A BEAUTIFUL BACKGROUND**  
 of plastic wall tile



"Begin with a beautiful background of plastic wall tile." This is the theme for the big '57 Dow advertising and promotion program for dealer-guaranteed plastic wall tile made of Styron®. Dramatic interiors like this delightful "checker" laundry area

will be featured in full-color national magazine advertising and in exciting promotion material.

Play up Styron plastic wall tile in your homes in any price range. Make the most of its extensive color range and versatile shapes . . . its unlimited decorating possibilities. Above all, stress its *guaranteed quality*. Your certified dealer can help you create new buyer preference with dealer-guaranteed plastic wall tile made of Styron. THE DOW CHEMICAL COMPANY, Midland, Michigan, Plastics Sales Department PL1553Q.



**IDEA!** Make a focal point of stripes in Styron plastic tile to underscore modern kitchens.

YOU CAN DEPEND ON





1. National Homes, Lafayette, Indiana, specifies Styrofoam 1" thick placed horizontally around the perimeter 12" from the foundation wall of the house.



2. Styrofoam insulation 1" thick is then placed at an angle 12" high against the poured foundation wall.

## National Homes uses Styrofoam



*A new concept for construction of all masonry structures:*

Styrofoam is used to eliminate dampness and cut building costs. Portland cement mortar bonds Styrofoam to the masonry—permanently, without studs. Plaster keys directly to Styrofoam surface—smoothly, without lathing. No special training or tools are needed. And the warm, dry walls keep their smooth, crack-free appearance year after year. The man who looks ahead will investigate this!



3. Next the slab is poured—and that's it! From experience National Homes finds it has protection from cold and damp for the lifetime of the house.

## for lifetime perimeter insulation

There are good reasons why this is so. The same reasons that can help you enhance your reputation.

Styrofoam\* (a Dow plastic foam) is a homogeneous insulation with a remarkable combination of properties. This rigid insulation contains millions of noninterconnecting air cells. As a result, it can't absorb water. It provides true protection against dampness and water. Its low thermal conductivity stays low. In addition, it resists rot, mold, deterioration. And

having no food value, vermin and rodents won't bother it.

But what makes Styrofoam even more outstanding is its unparalleled performance in such fields as low-temperature and plaster-base construction . . . industrial equipment . . . roofs, cavity walls and wall panels. This clean, odorless, lightweight insulation has many applications that are well worth your investigation. You'll find Styrofoam pays off in lifelong efficiency and economy.

\*Styrofoam is a registered trademark of THE DOW CHEMICAL COMPANY

For further information, contact your nearest Styrofoam distributor: CALIFORNIA, San Francisco: Western Foam Products, Inc. • CALIFORNIA, Los Angeles 13: Pacific Foam Products Company • FLORIDA, Tampa: The Soule Company • GEORGIA, Atlanta 8: Badham Sales Company • ILLINOIS, Chicago 11: The Putnam Organization, Inc. • IOWA, Des Moines: Wilson-Rogers, Inc. • KANSAS, Kansas City: Styro Products, Inc. • MASSACHUSETTS, Ipswich: Atlantic Foam Products Company • MICHIGAN, Detroit: Par-Foam, Incorporated • MICHIGAN, Midland: Floral Foam Products • MINNESOTA, Minneapolis 8: Edward Sales Corporation • MONTANA, Billings: Madden Construction Supply Company • NEW YORK, Rochester 20: William Summerhays Sons Corp. • NEW YORK, Long Island City 1: Styro Sales Company, Inc. • OHIO, Cincinnati: The Seward Sales Corporation • OHIO, Cleveland 3: Structural Foams, Inc. • PENNSYLVANIA, Plymouth Meeting: G & W H Corson, Incorporated • TEXAS, Houston: The Emerson Company • UTAH, Salt Lake City 10: Utah Lumber Company • WASHINGTON, Seattle 9: Wiley-Bayley, Inc. • WISCONSIN, Milwaukee: S & S Sales Corporation • CANADA, Edmonton, Alberta: Northern Asbestos and Building Supply Co., Ltd. • CANADA, Kitchener, Ontario: Durofoam Insulation, Ltd. • CANADA, Vancouver, B. C.: Wiley-Bayley Co., Ltd. Or write THE DOW CHEMICAL COMPANY, Midland, Michigan—Plastics Sales Department PL 174088-1.



YOU CAN DEPEND ON



NOW!

Wonderful new

**KENTILE®**

asphalt tile

helps clinch home sales!



**Finer, smoother surface and exciting new coordinated colors make other asphalt tiles seem old-fashioned!**

This smart flooring is now better than ever—with a finer, smoother surface, greater light reflectance, brighter colors, and an even, lovelier marbleization than any other asphalt tile. Of course, too, it's a cinch to clean, resists dirt and grime, and lasts for years. And it can be used everywhere—even over concrete in contact with the earth.

What's more, homemakers are reading about Kentile asphalt tile in exciting full-page, full-color ads in *Life*, *Look*, the *Ladies' Home Journal*, *The Saturday Evening Post* and others with a total circulation of over fifty million. No wonder it promotes *faster* sales of development units. For complete details, contact your local Kentile Flooring Contractor listed under FLOORS in your Classified Phone Directory.

**TODAY'S SMARTEST FLOORS WEAR KENTILE**

**KENTILE FLOORS**

BROOKLYN 15, N. Y.

AVAILABLE IN ASPHALT TILE • VINYL ASBESTOS • SOLID VINYL • CUSHION-BACK VINYL • CORK AND RUBBER TILE... OVER 150 DECORATOR COLORS

## GRANT'S QUALITY PRODUCTS HELP SELL YOUR HOMES FASTER!

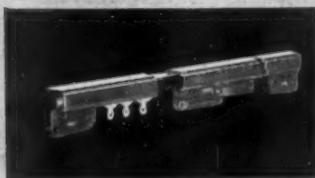
Prospective home owners are looking for built-in features. Grant, *keeping pace with the market*, offers you two outstanding products, designed to help sell your homes more easily:

the Grant Folding Door and Grant No. 2200 Drapery Hardware. Both speed your prospects' decision to buy your home!

### GRANT NO. 2200 DRAPERY HARDWARE

Larger glass areas give builders the opportunity to capitalize on Grant's permanent drapery hardware. Unexcelled for fine appearance, sound construction and durability.

Grant No. 2200 Drapery Hardware is simple to install. You'll find the addition of this small cost item is a large plus in your selling results.



### THE GRANT FOLDING DOOR

*A Real Door  
That Folds*

Styled by Paul McCobb, the Grant door has a solid core,  $\frac{3}{16}$ " thick/vinyl is permanently laminated to core/ is sound-proof, light-resistant/can be trimmed with hacksaw/takes minutes to install/ comes in four colors and a variety of sizes/is equipped with a friction catch/has new, fabric covered, fascia strip.

Write for your copy of the 108 page Grant Reference Catalogue. Important information on the full line of Grant Sliding Hardware. A reference book for all your sliding needs.

Outstanding single source for Sliding Hardware.



**Grant PULLEY & HARDWARE  
CORPORATION**

31-63 Whitestone Parkway, Flushing 54, N. Y.  
944 Long Beach Avenue, Los Angeles 21, Calif.



### **1. Fir plywood cabinets and built-ins add livability and salability**

Your sales story is built-in, too, when you offer prospects plenty of storage space. And what material makes more sense for built-ins than fir plywood? It's low in cost, large, light and easy to use. Fir plywood speeds work, simplifies framing and carpentry work. Plan now to offer your prospects the "plus" that makes sales in today's competitive market—fir plywood cabinets and built-ins, lots of them.

## **Add the with FIR PLYWOOD**

### **2. Give your homes the look of luxury with low-cost fir plywood paneling**

Use fir plywood for an entire feature wall—or as a smart accent for other materials. Either way a little fir plywood paneling does a lot to help you sell homes faster and at greater profit. Fir plywood doesn't have to be "babied" on the job. It goes up quickly, takes any finish. Fir plywood comes in standard grades as well as several new textured panels that enhance wood's natural warmth and beauty.



*Bedroom built-ins* include roomy wardrobe and drawer unit and built-in bunk beds to permit owners to move in with minimum investment for furnishings.



*Carport storage* makes up for lack of bulk storage area in garage or basementless homes. Exterior plywood lockers for garden and patio gear fit trend to outdoor living.



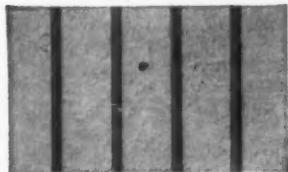
*Kitchen built-ins* like this range and oven unit make a big hit with your women prospects. Plywood cabinets won't dent or rattle, can be easily re-finished.



**In every room, fir plywood built-ins boost loan value**

## **“custom touch” (at low cost) built-ins and paneling**

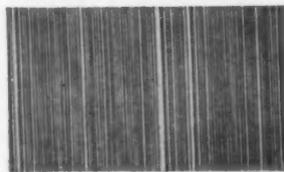
**Smart modern textures dramatize fir plywood's real wood beauty**



*Texture One-Eleven* Exterior plywood has deep parallel grooves, subtle surface texture.



*Brushed plywood* accents grain pattern with striking third-dimensional effect.



*Striated plywood. "Combed"* pattern created by closely spaced parallel striations.



*Embossed plywood* has distinctive designs permanently pressed into surface of panel.



# **Fir Plywood**

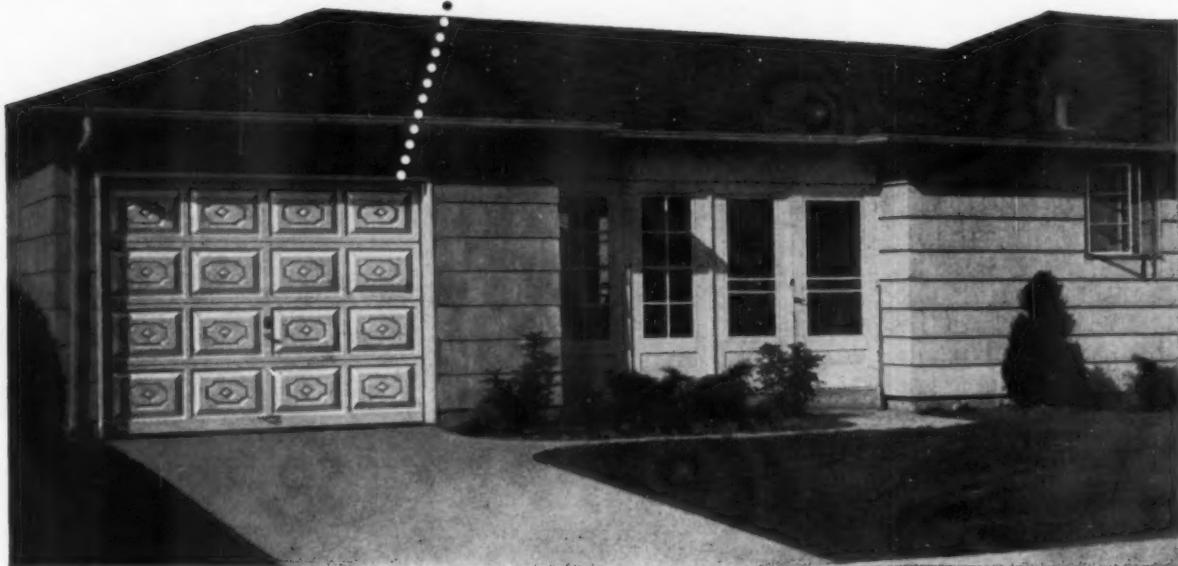
*means quality construction*

*Fir plywood design ideas*—New portfolio includes ideas for plywood built-ins, color illustrations and descriptions of new textured panels, specification and construction data. Write (USA Only) Douglas Fir Plywood Association, Tacoma 2, Washington.

## A RŌ-WAY GARAGE

DOOR SAYS:

*"this is a quality-built home!"*



They drive up and stop—attracted by the smart lines of your model home and the colorful, high-style of the Ro-Way overhead type garage door. A short tour and they see that this beauty is backed by quality materials and workmanship. They're sold.

Look at the picture. You can see for yourself how the Ro-Way door sets off the charming lines of this home. And it's only one of Rowe's more than 40 Individualized Designs. Carved panels, applied rosettes, accent moldings and full-flush sections permit unlimited decorative combinations. And there's also a wide range of standard panel Ro-Way doors.

But that's only half the story. Behind this smart styling is rugged, engineered construction. In a Ro-Way door you get seasoned lumber with glued and steel-doweled mortise and tenon joints. You get ball bearing rollers and big, perfectly balanced springs for smooth, silent action. You get Taper-Tite track and Seal-A-Matic hinges for snug fit and easy opening. You get Park-erized and painted Rowe-fabricated hardware for sure protection from rust.

Install Ro-Way doors on all your homes. It will mark you as a careful craftsman . . . help sell your prospects . . . help keep them feeling they've made a good buy. See your Ro-Way distributor or write for full details.

### ONLY A GARAGE OFFERS:

Complete Protection  
Extra Storage Space  
Finished Appearance  
An Extra Room

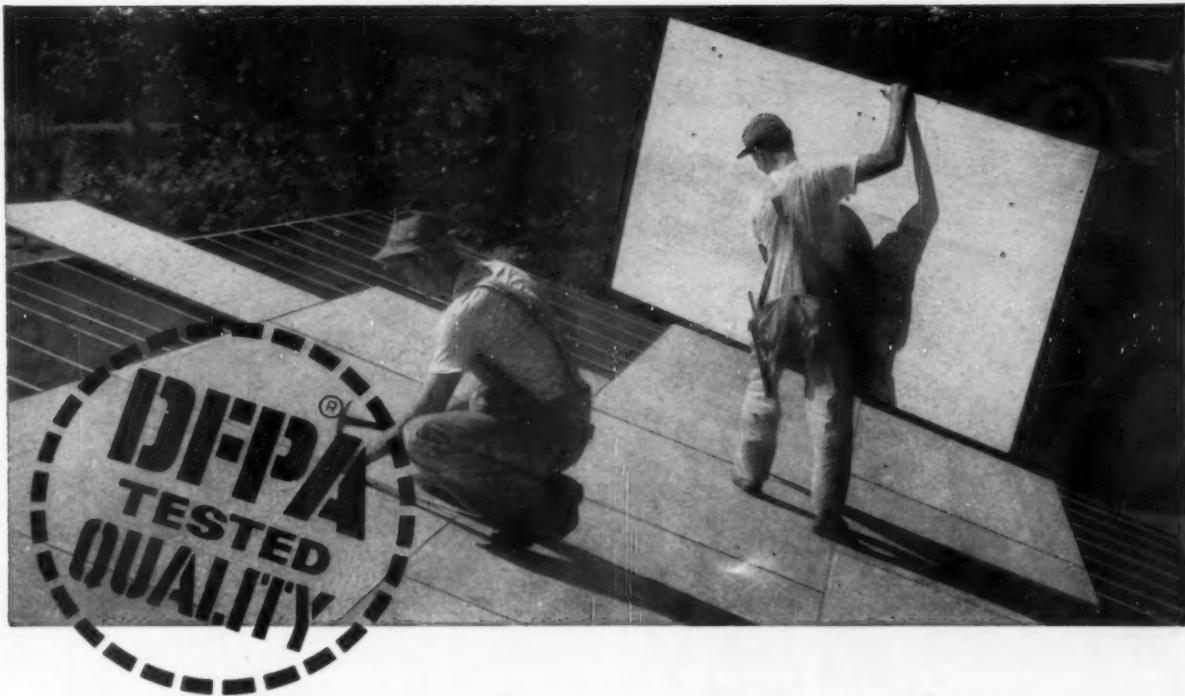


*there's a RŌ-Way for every Doorway!*

RESIDENTIAL • INDUSTRIAL • COMMERCIAL



**ROWE MANUFACTURING COMPANY**  
786 Holton Street • Galesburg, Illinois



you know you're right when you specify by **DFPA\*** grade-trademarks

**factory-inspected, laboratory-tested**

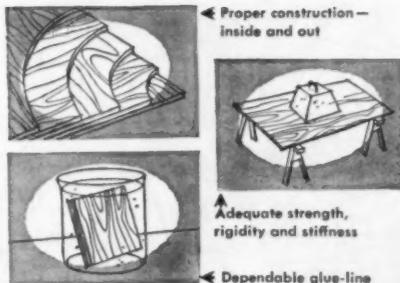
To qualify for DFPA grade-trademarks, manufacturers must pass rigid and *continuous* inspection of current plywood production. In addition to these on-the-spot mill checks by DFPA quality supervisors, thousands of samples undergo scientific testing in DFPA laboratories. *Use of grade-trademarks may be withdrawn if quality is not satisfactory.*

**right grade, right quality for every job**

DFPA grade-trademarks are specification guides to the *right* grade for a specific job. Only genuine DFPA quality-tested panels bear DFPA registered grade-trademarks. *There are imitations. Don't be misled!*

**Be sure you can tell the difference.**

Send for the *DFPA Quality Story*—a portfolio of grade-use data and a step-by-step description of the DFPA quality control program. Write Douglas Fir Plywood Association, Tacoma 2, Washington. (Offer good USA only)



\*DFPA stands for Douglas Fir Plywood Association, Tacoma 2, Washington—a non-profit industry organization devoted to product research, promotion and quality maintenance.

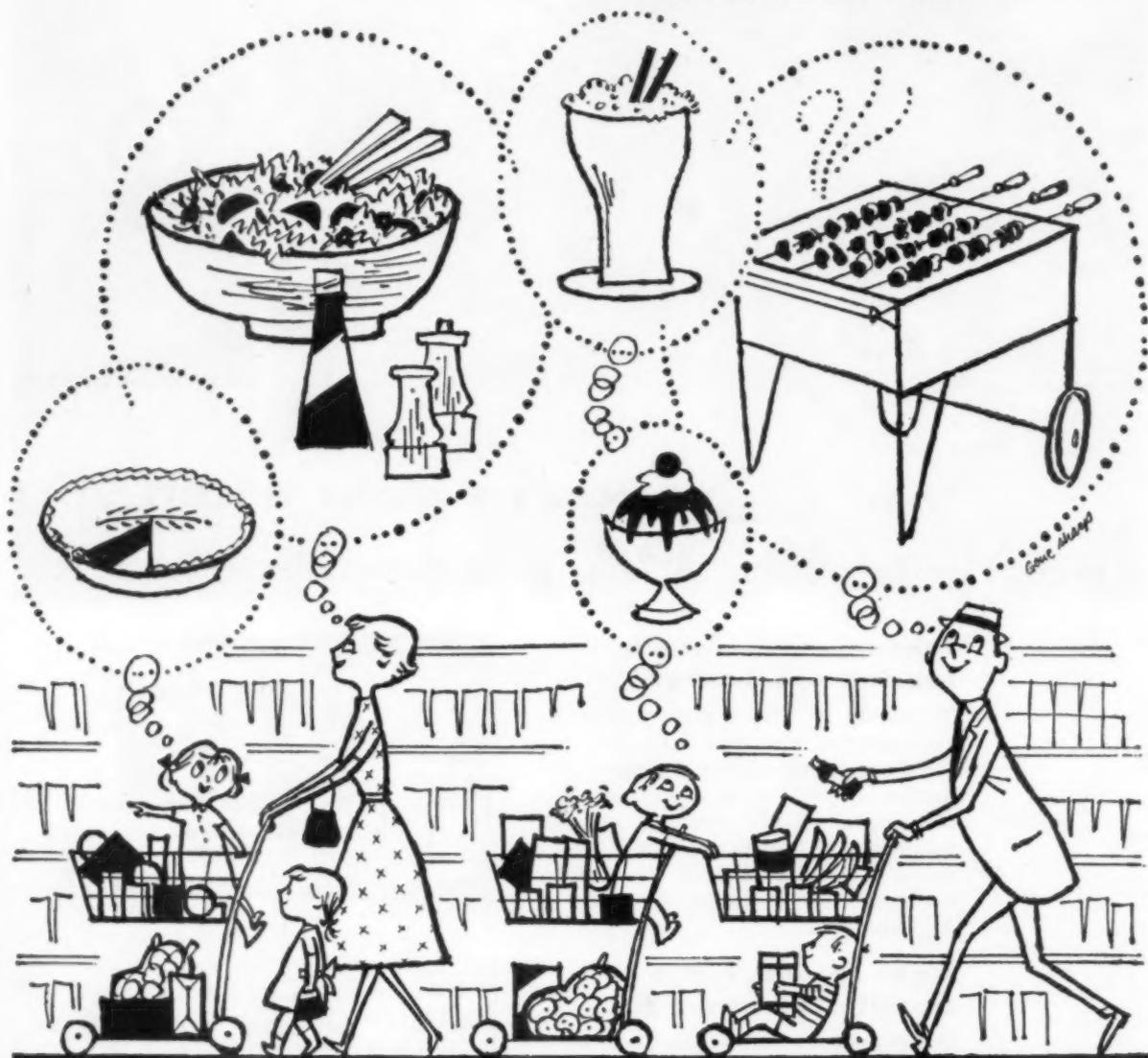


**DFPA grade-trademarks mean quality FIR PLYWOOD**

month after month...

15½ million\* men and women "live by the book"  
...and the book is Better Homes and Gardens!

4,350,000 COPIES EACH MONTH



People who "live by the book" do things and buy things they see in BH&G. Among those who read an average issue, 2,550,000 reported trying almost 4½ million ideas suggested in articles or ads. And 1,800,000 reported making 2,550,000 purchases of things they saw in one issue. 15,500,000 people read an average issue of BH&G. One-third of the 123,800,000 people in the U.S. 10 years of age or older read one or more of every twelve issues. That's 44,150,000 Better Homes & Gardens readers—and over 40% of them are men! Meredith Publishing Company, Des Moines 3, Iowa

during the year...

1/3 of America reads  
Better Homes and Gardens

\*A 12 Months' Study of BH&G Readers, Alfred Politz Research, Inc., 1956

# Kaustline HEATING



A complete line of Oil and Gas-Fired Warm Air Furnaces for every type of installation . . . each backed by a 10-year Warranty.



## MEETING THE BUYER'S DEMAND FOR QUALITY ... AT A PROFIT!

Here are the *three big reasons* why prestige and profit-wise builders choose Kaustline Furnaces:

**FIRST** . . . Kaustline Quality is nationally recognized . . . *you can't buy better warm air heating at any price.*

**SECOND** . . . Kaustline Engineering and Factory Assembly cut your installation costs . . . compact design saves valuable floor space, and . . . Kaustline furnaces are competitively priced.

**THIRD** . . . You offer exacting prospects a heating plant second to none in economy, efficiency and long life.

**FOR FULL INFORMATION WRITE DEPT. AB-5**



**Kaustline**  
FURNACE & TANK CORP.  
PERRY, NEW YORK

## TOPS IN QUALITY

There is a Kaustline Furnace or Winter

Air Conditioner for every type of home

# Women's choice across the nation



This is what women said they wanted most in a home at a recent national conference of housewives in Washington. Their ideas were then built into the Women's Congress Home in Hammond, Indiana, by R. G. Schwab of Lakeshore Builders, Munster, Indiana.

Bilt-Well Cabinets were selected to demonstrate women's ideas of **CONVENIENCE**, **FLEXIBILITY** and **ECONOMY** in this contemporary-functional kitchen. A choice which thousands of women have made in recent years; all because Bilt-Well Cabinets are so economical, so distinctively attractive, so easy to decorate in women's choice of natural finishes or colors.

And that's not all! Bilt-Well Cabinets are

made in a wide, wide range of storage components.

Bilt-Well Multiple-Use Cabinets are K.D. Semi-assembled, packaged in cartons ready to be installed with a minimum of labor. Bilt-Well Cabinets cut your installation costs to the bone.

And here's another big house-selling advantage: Bilt-Well (kitchen, multiple-use, wardrobes, storage, vanity-lavatory) Cabinets can be financed in the mortgage!

Whether you build one house a year, or projects of thousands, or do mostly remodeling, it will pay to write us for full information. Bilt-Well Cabinets are the choice of the nation's best builders. What better proof of their advantages can we offer you?



The BILT-WELL Line—WINDOW UNITS, Double-hung, Awning, Casements, Basement, Storm and Screen. CABINETS, Kitchen, Multiple-use, Wardrobes, Storage, Vanity-Lavatory and Vinyl Countertops. DOORS, Exterior, Interior, Screens and Combination.

Since 1866 Manufactured by

**CARR, ADAMS & COLLIER COMPANY** Dubuque, Iowa



\*Installed in Women's Congress Home in Hammond, Indiana



## Women are "sold" on BILT-WELL Windows too!

Every housewife wants windows that are attractive, weathertight and easy to clean. You can be certain you are providing these features if her new home or remodeling job includes BILT-WELL windows.

### New BILT-WELL Super 7 Removable Windows

Now...for the first time, a fully removable, perfectly counterbalanced, completely weathertight double-hung window! Check these outstanding Super 7 advantages:

#### 1. Removable!

Convenience of completely removable sash for easy cleaning.

#### 2. Weathertight!

Patented stainless steel jamb liner with built in "thermostatic control". Head sill and check rail weathertight with anodized aluminum alloy.

#### 3. Counter-balanced!

Flat overhead balances for simple, finger-tip operation.

#### 4. Unitized!

Sill design facilitates grouping

of any number of units.

#### 5. Durable!

All wood parts water-repellent preservative treated. Jamb  $1\frac{1}{2}$ " thick, sill  $1\frac{3}{4}$ " thick for maximum strength.

#### 6. Standardized!

Fits all standard wall construction: solid masonry, brick veneer or frame.

#### 7. Guaranteed!

Meets U. S. Dept. of Commerce Bureau of Standards requirements for weathertight double-hung wood windows. Bears AWWI Seal of Approval.

### Popular BILT-WELL Multiple-Purpose Awning Windows

Flexible BILT-WELL Awning Windows are better than ever! Adding to their versatility are three new industry-accepted sizes: 36" width x 30" height, 39" x 30" and 44" x 30". And a new jointed bar operator is now standard on all BILT-WELL Awning units. Also available with lever operator or rotary operator.



BILT-WELL Awning Windows



BILT-WELL Super-7 Windows

Whether you're a new home builder or remodeler, it will pay you to get complete information on how BILT-WELL cabinets and windows help you cut costs, sell homes faster and more profitably! See your BILT-WELL lumber dealer, or mail the coupon below.

## BILT-WELL

## \* CABINETS

For Kitchens and  
Household Storage

## BILT-WELL WOODWORK

Box 658—Dubuque, Iowa Dept. A-124

Please send me full information on BILT-WELL

Cabinets  Super 7 Windows  Awning Windows

Name

Company

Address

City  State

Short-span concrete slabs

# COST LESS

-with new

## Milcor Ribform

Save construction dollars with high-tensile steel Ribform, as permanent centering for concrete on spans up to five feet:

*Goes down fast.* One man easily handles a sheet. It is quickly and inexpensively placed and welded to joists.

*Needs no temporary bracing of joists.* Ribform is a rigid type of centering; it exerts no side-pull on the joists.

*Eliminates scaffolding.* Once down, Ribform becomes a safe, non-flexible working platform for all trades.

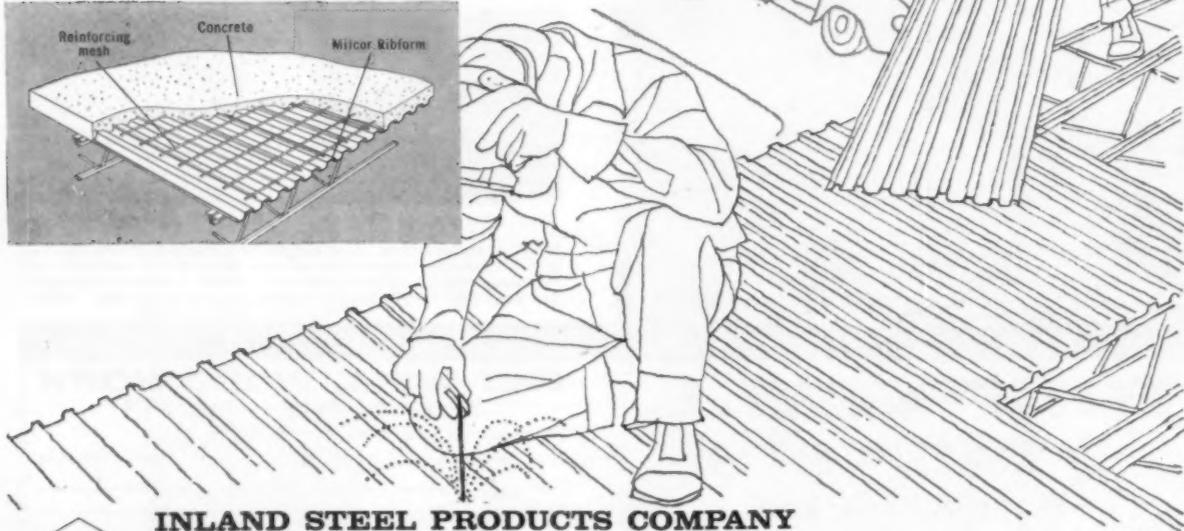
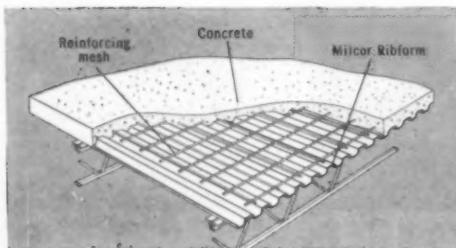
*Uses as much as 20% less concrete than flexible types of centering.*

*Slab is poured and finished in one operation.* The rigidity of Ribform permits monolithic finishing — eliminates costly topping.

*Easy to install over pipe trenches or other inaccessible locations where it is impractical and expensive to strip wood forms.*

Write for Milcor Catalog No. 245.

**MILCOR® RIBFORM**



**INLAND STEEL PRODUCTS COMPANY**

Dept. Q, 4025 W. Burnham St. • Milwaukee 1, Wis.

ATLANTA • BALTIMORE • BUFFALO • CHICAGO • CINCINNATI • CLEVELAND • DALLAS • DENVER • DETROIT • KANSAS CITY  
KANSAS CITY • LOS ANGELES • MILWAUKEE • MINNEAPOLIS • NEW ORLEANS • NEW YORK • ST. LOUIS



RD-8

**THE AMAZING NEW WINDOW WITH SASHES THAT TILT**



**safe, easy cleaning**  
**more air! no drafts!**  
**keeps out rain, snow**

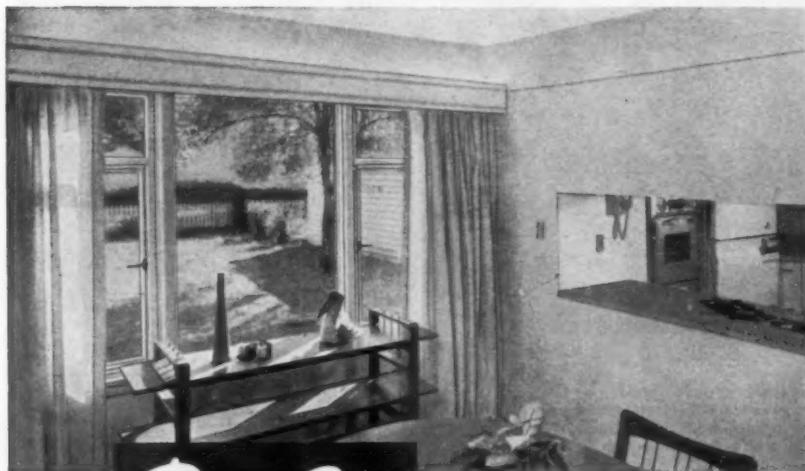


Both sashes tilt easily to any desired angle for true healthful no-draft ventilation that uses 100% of the wall opening! Wash *all* outside glass in comfort—without disturbing screens or storm sash. Looks like an ordinary window and can also be used like one—concealed adjustable spiral balances for quiet, easy operation.

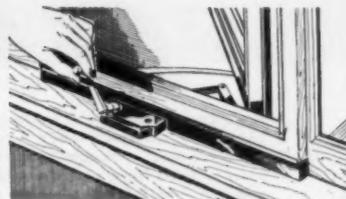
**It goes up...It goes down...It's weatherstripped...And it TILTS!**



**FAMOUS BEE GEE...THE DECORATOR'S WINDOW**



Companion line of 170 high-style casement, picture and corner picture windows... "idea" windows designed as focal points for lovely modern interiors. "Wife-Approved" for their clean, slim modern beauty, their practical convenience. Completely assembled units, ready to set in the wall. New fingertip Crank Operator now optional, factory-installed—also in kits for older Bee Gee windows.



**BEE GEE**  
 modern wood  
**WINDOWS**

★ Reg. U.S. Pat. Off.

**mail coupon  
 today**

BROWN-GRAVES CO., Dept. AB-118, Akron 1, Ohio

Send catalogs with full details on:

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**BROWN-GRAVES CO., Akron 1, Ohio**

to increase the sales appeal of  
the homes you are building... have your  
plumbing contractor install *Streamline*<sup>®</sup>  
copper tube and fittings for drainage  
plumbing



200

Have you noticed how so many home-buyers are today looking at all the details in any home they consider? That's why an all-copper drainage system—particularly one of Mueller Brass Co. Streamline tube and fittings—adds to the salability of a house. Prospective home-buyers all seem to know that a copper system is practically clogproof, and that since it is rustproof, as well, it's a lifetime drainage system which is leakproof and trouble-free. In addition, they like the look of copper and it can clinch a sale for you.

It costs a little more, but the extra cost of a drainage system of Streamline tube and solder-type fittings is negligible when you compute its practical advantages\*. It also reflects the care which you have spent on the entire construction. Jobs go faster, so have your plumbing contractor install Streamline tube and fittings for both drainage and supply . . . you'll be money ahead.

There are easy-to-install Streamline pipe and fittings for all plumbing requirements. Send today for Kit Number 15. It provides real help in planning an all-copper drainage system for your next job.

\* Joseph F. Fehrenbach, licensed master plumber of Bridgeport, Michigan, installed the plumbing in the home shown here. He chose Streamline tube and fittings for drainage because it gave him an attractive, trouble-free installation for only \$14.23 more than other competitive materials. He was able to do the job much quicker, too.



**MUELLER BRASS CO.** PORT HURON 10, MICHIGAN

See our catalog in Sweet's Architectural File

# The Case of the Carefree Carpenter



## Here's the case and what's in it for you!

The Stanley No. 183 Builder's Kit contains cost-cutting door hanging equipment. Built around the Stanley Electric Router, this kit has what it takes for up-to-date door hanging. The same 3/4 hp motor powers the new J48 16" jointer plane.

### Other vital accessories included in this builder's kit are:

Router base • Template guide • Straight and circular gauge Arbor • Mortising bits (2) • Grinding wheel • Grinding arbor Cutter grinding attachment • Door and jamb butt template Carrying case • Plane cutter

Your dealer has Stanley No. 183 Builder's Kit, or write Stanley Electric Tools, 400 Myrtle St., New Britain, Conn.



# ... and the Round Cornered Hinge



## Here's Stanley's famous RD241 hinge.

With round corners for use with electric mortisers. Check off the features that make this hinge the Standard of the World.

1. Flat button tips
  2. Hole in the bottom for quick pin removal
  3. Clean, accurate countersinking
  4. Easily seated, non-rising, lubricated pin
  5. Complete interchangeability of leaves
  6. Smooth steel, toughened by cold rolling
- 

Stanley Round Cornered Hinges are available in any size or finish desired, in plain joint or ball-bearing, either regular weight or extra heavy.

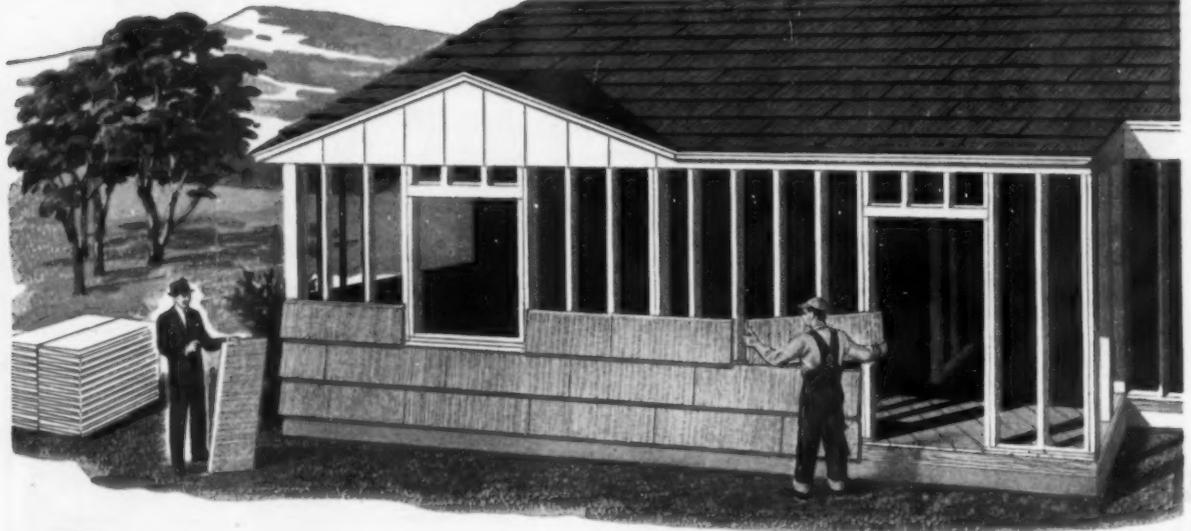
Your dealer has them, or write for details to Stanley Hardware, 105 Lake St., New Britain, Conn.

AMERICA BUILDS BETTER AND LIVES BETTER WITH STANLEY

# STANLEY

This famous trademark distinguishes over 20,000 quality products of The Stanley Works—hand and electric tools • drapery, industrial and builders hardware • door controls • aluminum windows • metal parts • coatings • steel and steel strapping—made in 24 Stanley plants in the United States, Canada, England and Germany.

# THE FINEST IN CEDAR SHINGLING



## 5 square feet at a time without face nailing!

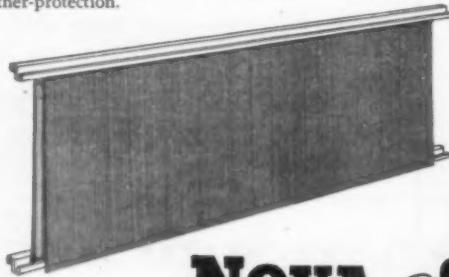
(WITH OR WITHOUT SHEATHING)



**NOVA PANEL AND THE NOVA PANELCLIP** together represent the *modern* method of shingling. With this revolutionary combination, #1 Novagrade Shakes are applied in *large panels*, at major savings in construction.

First, you are handling and working with "big pieces"—a fundamental practice of modern, economical techniques. Nova Panels are 4' long and 16" high, composed of under-course shingles, wood stiffener, and Cedar Shakes electronically glued and pressed to form sturdy panels. Panels are kerfed along bottom edge to receive the Panelclip. On roofs or exteriors, construction is now many times faster than ever before.

Where the climate permits, Nova Panels require no sheathing—and may be applied directly to studs without furring. Application is simple, whether over studs, sheathing, or old siding: Panelclips are nailed across the bottom of the building—Nova Panels are inserted in the clips without nailing—and the next course of clips is fitted to the tops of the panels. These 26-gauge, galvanized-steel clips form a tight joint, and the panels are shipped  $\frac{3}{8}$ " for complete weather-protection.



The Panelclip, with patented features, beats other forms of attachment easily. These are the facts: (1) by allowing a 15" exposure instead of the conventional 14", Panelclips save 7% in coverage; (2) they eliminate individual nailing of shakes, save 330 nails per square, cut labor costs accordingly; (3) they replace 1 x 4 furring strips—which cost more than the clips themselves; (4) they hold the Shakes securely where holding power is at the maximum (the Shakes are kerfed at the butt end to fit onto the clips).

The good looks and long life of a Nova Panel exterior are your two prime assets. The two-coat finish is equivalent to a first-grade exterior house paint job, accentuated by deep shadow lines. Most important, there are no exposed nails to rust and stain the surface.

This modern approach to building problems is typical of Nova Products—each one a leader in its field. All these products are explained in detail, with construction information valuable to you on the job, in the new Nova Handbook. This 68-page, illustrated manual gives facts and application *know-how* on waterproofing products, Jalousies (including the Nova Pre-framed Jalousie), Novafold Doors, Novasep Anchors, and Cedar Closet Lining—as well as Shakes, Shingles, and Shingle Paints.

We have great confidence in the value of the Nova Handbook to every builder and dealer. May we send you a copy now, without obligation? Please address Department E-27.



## NOVA Co. SALES

TRENTON 3, NEW JERSEY

A wholly owned subsidiary  
of Homasote Company

2" x 4" screeds  
laid in mastic  
on 12" centers

Oak flooring  
nailed to screeds  
-no subfloor needed

Moisture barrier  
on top or  
below slab

Concrete slab

## New low-cost way to lay Strip Oak Floors over concrete



**Random-length screeds** are laid in a staggered pattern. The asphalt mastic anchors them permanently to the slab. Flooring is nailed to screeds and sanding and finishing follow in usual manner. Prefinished flooring may be used.



### Proven successful in thousands of homes

Wherever homes are built on concrete slab foundations this economical "screeds-in-mastic" method of installing Strip Oak Flooring is being used.

By eliminating the subfloor, it cuts construction costs and saves time. Builders can afford to give even lowest-budget homes the proven sales appeal of Oak Floors.

If you haven't tried this money-saving, fully-approved construction method, be sure to mail the coupon below for free installation manual. Simple step-by-step instructions and photographs enable any carpenter or floor layer to use the "screeds-in-mastic" method successfully . . . without previous experience.

Oak floors add to the salability of slab foundation homes because of their beauty, durability, high insulating value, and natural resilience which counteracts the uncomfortable hardness of concrete. They're preferred by 8 out of 10 home buyers, builders and architects.



NATIONAL OAK FLOORING  
MANUFACTURERS' ASSOCIATION  
Sterick Building • Memphis 3, Tenn.

### MAIL COUPON for free installation manual

NATIONAL OAK FLOORING  
MANUFACTURERS' ASSOCIATION  
805 STERICK BLDG., MEMPHIS 3, TENN.

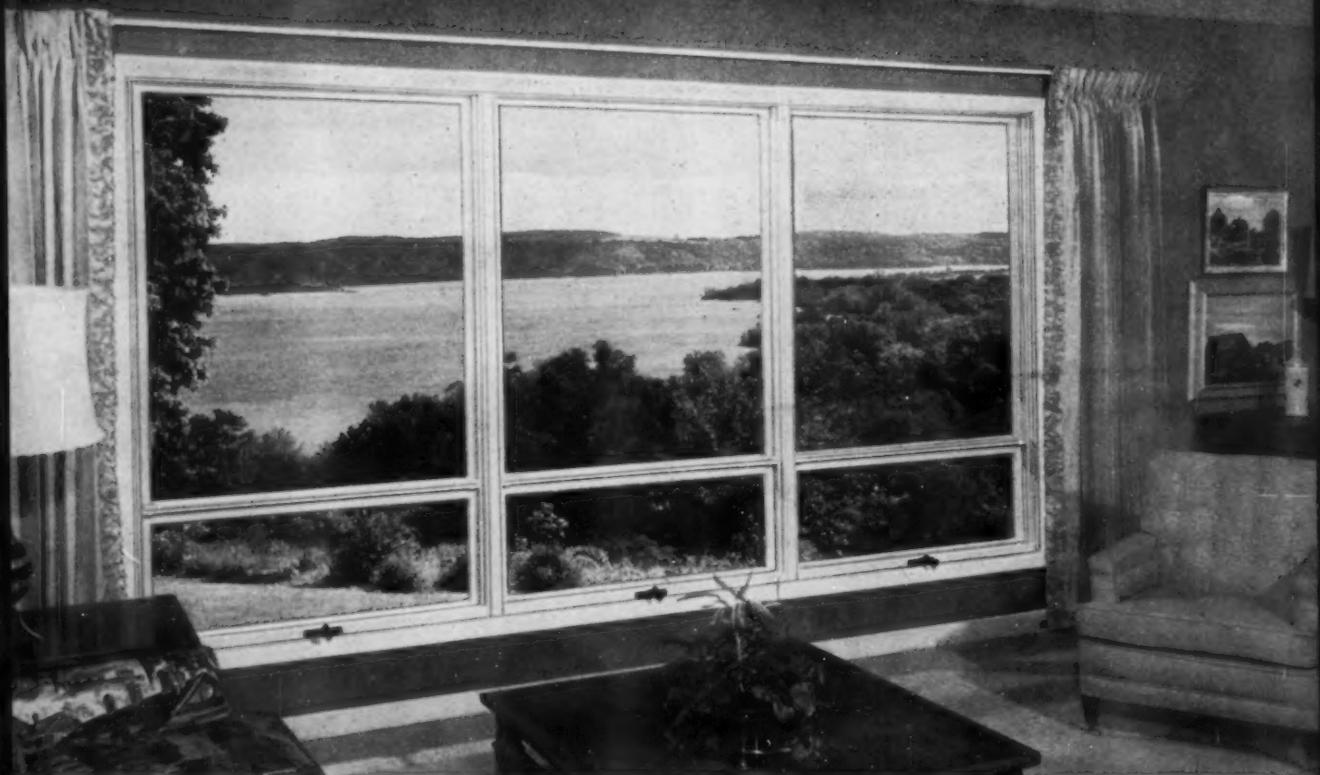
Please send free copy of your manual,  
"How To Install Hardwood Strip  
Floors Over Concrete Slabs."



Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ State \_\_\_\_\_



Living Rooms! These glamorous 5'10" high Beauty-Line Units combine to form a picture WINDOWALL. Narrow meeting rails cut down interference with vision. Roto-Lock (illustrated) works under screen, draws sash corners in *tight*.

## Now! For faster selling new Andersen

**new Beauty-Line window offered  
in four heights, two widths**

UNIT DIMENSION	ROUGH OPENING	BASIC UNIT SIZE	SASH OPENING	GLASS SIZE
2-10 1/4"	2-8 1/4"	2-7 1/4"	2-4 1/4"	27"
3-10 1/4"	3-8 1/2"	3-7 1/4"	3-5"	35 1/2"
4-11 1/4"	4-0"	3-11 1/4"	3-8 1/4"	43 1/2"
5-11 1/4"	5-10 1/4"	5-10 1/4"	5-7 1/4"	51 1/2"

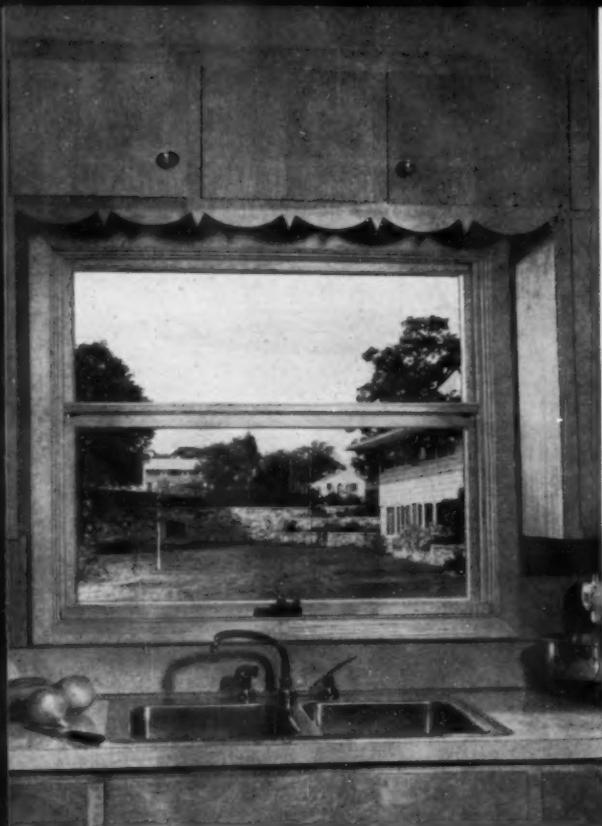
3-5 1/4"	3-4 1/2"	3-3 1/2"	3-0 1/4"	18 1/4"	232	3832
4-1 1/4"	4-0"	3-11 1/4"	3-8 1/4"	18 1/2"	240	3840
4-9 1/4"	4-8 1/2"	4-7 1/4"	4-4 1/4"	18 3/4"	248	3848
6-0 1/4"	5-11 1/4"	5-10 1/4"	5-7 1/4"	14 1/2"		3863



*In split level homes, new Beauty-Line Windows blend perfectly to match architectural design—no matter what elevation you're planning.*



*In popular one story style, new Beauty-Line Windows add charm and appeal to exterior, whether home is traditional or contemporary.*



Kitchens! It's easy to operate this 3'3" Beauty-Line Window over a kitchen sink or counter. This unit also makes an excellent privacy window for the bedroom!



Dining Rooms! The 4'7" Beauty-Line Unit serves in dining areas—or anywhere you want window beauty and ventilation. Hardware shown is Bar-Lock Operator.\*

## houses, use versatile Beauty-Line\* windows!

**New wood windows combine beauty, quality and low, low cost**

No matter what type of home you're building, the new Andersen Beauty-Line\* Window will fit the style you have in mind—and give your customers window beauty that endures!

This all-new window idea from Andersen is designed to bring new window beauty . . . new flexibility to a wide variety of residences, schools and light commercial buildings . . . and they're created in enduring wood!

The new Beauty-Line Window has a fixed upper sash over an awning style lower ventilating sash—*both combined in a single unit!* And Beauty-Line Windows have been designed for economical production to give builders famous Andersen quality at a low, low cost per square foot of glass.

Available in seven standard sizes—four heights and two widths—this versatile new window makes it easy for you to solve any window problem . . . to add interesting variety to the homes you build.

Optional features include glazing with welded insulating glass . . . removable double glazing . . . aluminum frame screen . . . choice of three types of specially designed operating hardware.

All wood parts are, of course, toxic treated by Andersen for protection against moisture, decay and termites. Wood, so treated, will last as long as the house itself.

For more information on new Andersen Beauty-Line Windows, see your lumber and millwork dealer, Sweet's Light Construction File—or write Andersen.

\*Patents Pending

# Andersen Windowalls

TRADEMARK OF ANDERSEN CORPORATION



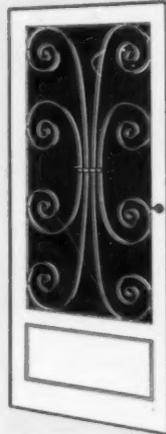
ANDERSEN CORPORATION • BAYPORT, MINNESOTA

# America's best dressed Adjustable



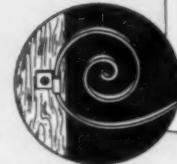
**FITS-ALL NO. 8**

A grille that is selling like hot cakes. Features M-D's patented "flower-pot" style holder which makes it easy to install this popular grille on nearly all standard size doors. Individually packed in colorful carton with complete instructions and screws. Available in three finishes.



**FITS-ALL NO. 9**

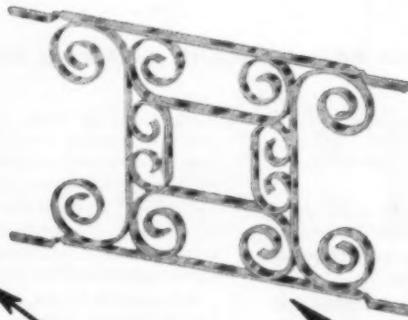
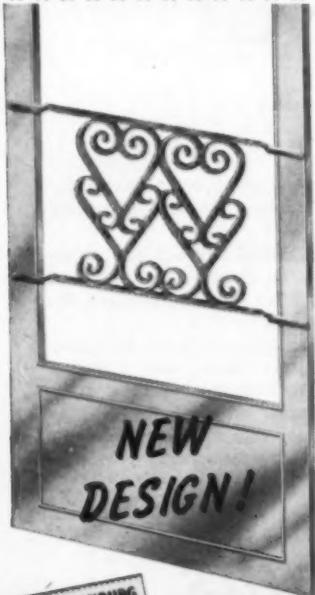
This graceful grille adds beauty to any screen door, designed to fit all standard doors and adjustable to many others. Packed in individual, colorful display carton with full instructions and necessary screws. Available in 3 finishes.



**FITS-ALL NO. 56**

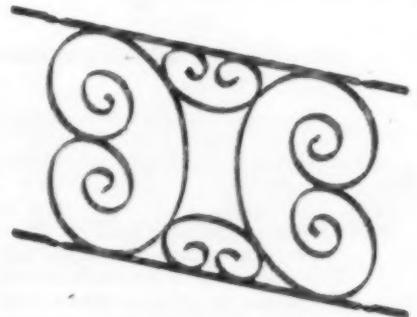
Surface clamps are furnished FREE with Grilles No. 5, 8 and 9. These clamps make it easy to install grilles on the surface rather than between stiles as shown above.

This striking grille is an All-American favorite. Graceful in design and available in three finishes. Easily installed and fully adjustable on standard size screen doors. Packed in individual colorful carton.



**M-D PUSH GRILLE NO. 23**

Made especially for combination doors—wood or metal. 32" or 36" doors. Packed 12 to a carton.



**M-D PUSH GRILLE NO. 16**

Made especially for combination doors—wood or metal. 15" high for 21", 23" and 27" insert panels and for regular 32" or 36" doors. Packed 12 to carton.

**M-D PUSH GRILLE NO. 15**

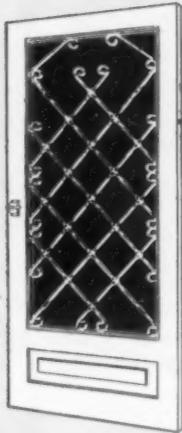
A graceful addition to any combination door—wood or metal. 16" high for either 32", 36" or 42" doors. Packed 12 to carton.



**MACKLANBURG-DUNCAN CO.**

P. O. BOX 1197 • OKLAHOMA CITY 1, OKLA.

# doors wear these beautiful, exciting SCREEN DOOR GRILLES



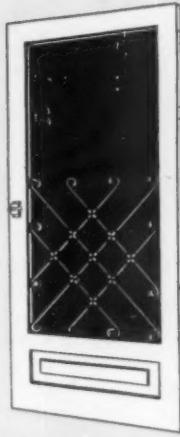
### FITS-ALL NO. FS

Provides full protection for full-size panel screen doors. Fits-all No. FS can be adjusted to fit all doors from 22" to 30" wide, and from 75" to 55" high between stiles.



### FITS-ALL NO. 5

Gracefully designed, yet fully adjustable for nearly all standard size screen doors. Easily installed on wood or metal combination doors. Each grille packed in attractive individual carton. Available in three finishes.



### FITS-ALL NO. 1

Instantly adjustable to all screen doors. Accordion-like action permits expansion from 16" to 30 3/4" in width between stiles, and from 40 1/2" to 30 3/4" high. Squared up size is 30 3/4" x 30 3/4". Packed 12 to carton, screws furnished.

### FITS-ALL NO. 3

For lower section of door with cross-bar. Fully adjustable from 14" wide and 32 1/2" high between stiles to 25" wide and 25" high between stiles. Packed 12 to carton.

### FITS-ALL NO. 4

For upper section of doors. Adjusts from 19 1/2" wide and 20 3/4" high between stiles. Packed 12 to carton.

### FITS-ALL NO. 7

Adjusts from 14" wide and 33 3/4" high between stiles to 26" wide and 26" high. Squares up at 26" x 26". Packed 12 to carton.

All M-D GRILLES  
AVAILABLE IN

**3** Rust Proof  
Tarnish Proof  
Lifetime Finishes

**ALBRAS**  
Anodized  
Brass Color

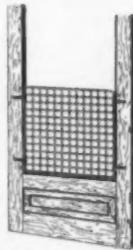
**ALBRIGHT**  
Anodized  
Chrome Color

**ALACROME**  
Silvery-Satin



### M-D PUSH GRILLE NO. 4

A very inexpensive and graceful push grille. 4" high for either 32" or 36" doors.



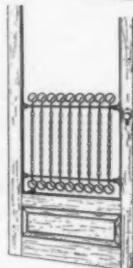
### M-D MESH GRILLE

Interlaced ribs form strong protection for screen. Available for 32" and 36" doors. Packed 6 or 12 to carton.



### M-D PUSH GRILLE NO. 6

Another handsome, low-priced push grille for aluminum or wood doors. 6" high for 21", 23", and 27" insert panels and for regular 32" or 36" doors. Packed 12 to carton.



### Nar-WAY SCREEN DOOR GRILLE

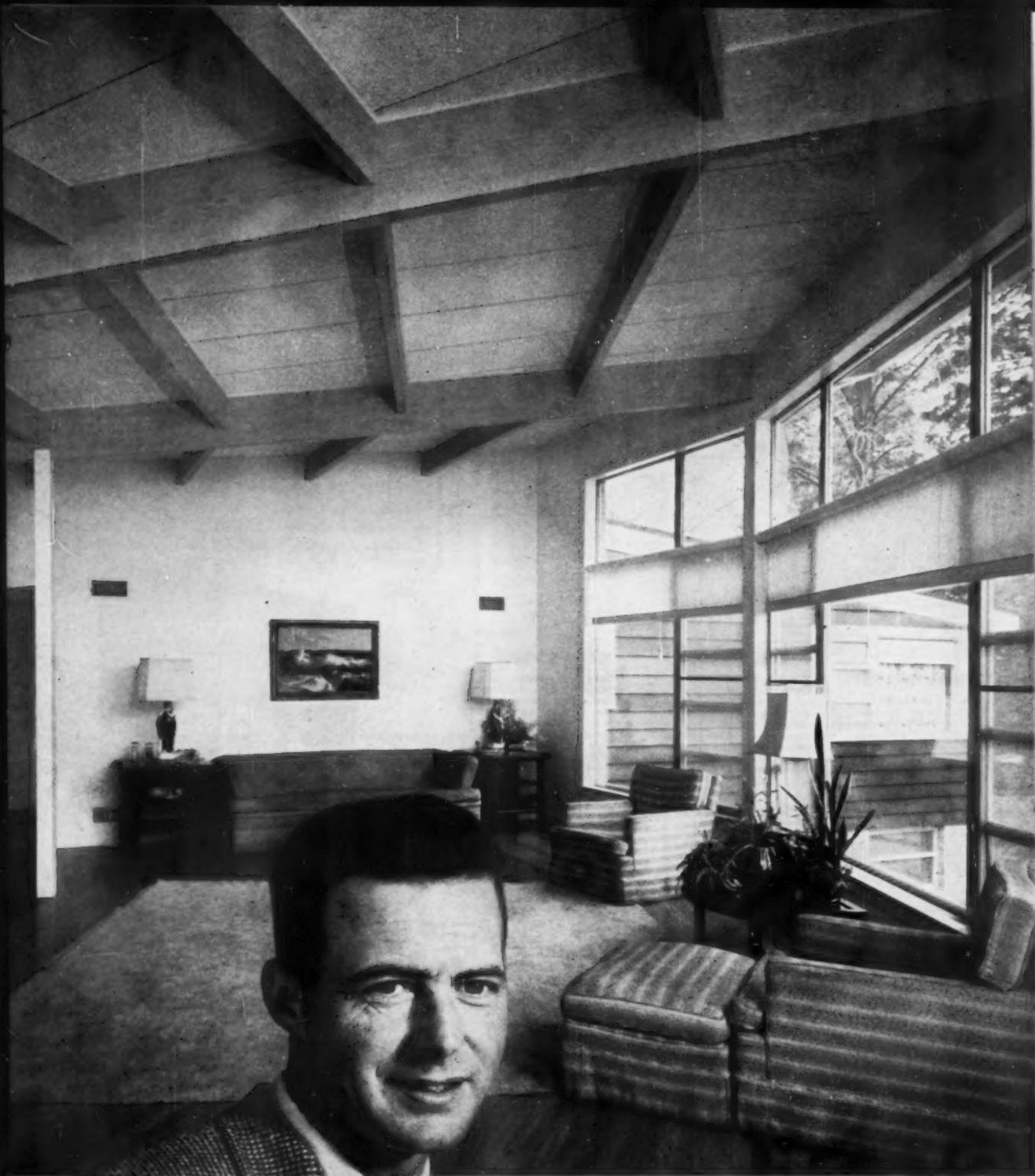
Easily installed on doors or as window guards. Fits 30" and 32", 36" 42" doors. Available in steel black enamel or with Silvery-Satin or Albright finish.

### DEALERS

Order direct today! Your order shipped promptly.

### BUILDERS

Sold by hardware, lumber and building supply dealers throughout the country.



**"Owners love Insulte Roof Deck,"** says builder Al Crossley (left) of Newburgh, New York. "They like the smart style of open-beam ceilings and they like the bright, white appearance of the deck itself. Jobs like this are my best advertising. They help me get new business." Architect for this home was H. N. Wormann, New York City.

# "On homes, on stores, Insulite Roof Deck saves up to \$23 per sq."

*... says builder Al Crossley of  
Newburgh, New York*

Decking . . . insulation . . . finished ceiling . . . that's the 3-in-1 value Al Crossley offers in building with Insulite Roof Deck.

On both the beautiful home at left and the store building below, Insulite Roof Deck was Crossley's choice. In both cases Roof Deck reduced his costs, speeded construction, created the extra beauty of open-beam interiors. His actual saving on this home,

as compared to use of wood decking, was \$23.34 per 100 sq. ft.!

Insulite Roof Deck can help you deliver better value in a wide variety of light construction . . . in any price range . . . in any climate. It goes up fast; cuts and fits easily; provides a vapor barrier; reduces waste; saves construction time. With Roof Deck, you eliminate all ceiling plastering and painting; cut winter fuel costs; repel summer heat.

Do these big advantages sound good to you? For complete information on Insulite Roof Deck, write us—Insulite, Minneapolis 2, Minnesota.

build better and save with  
**INSULITE®**



INSULITE, made of hardy Northern wood—Insulite Division of Minnesota and Ontario Paper Company, Minneapolis 2, Minn.



**For commercial buildings**, like this economical warehouse, showroom and office, Insulite Roof Deck saves real money, speeds construction. Crossley applied beams and Roof Deck to this 6,000 sq. ft. building in just 72 man hours, held cost of the building to \$6 per sq. ft.

**Tongue-and-groove panels** go on fast, make weather-tight seal. Insulite Roof Deck comes in 2' x 8' panels, 1½", 2" and 3" thick. Exclusive continuous vapor barrier available in 2" and 3" thicknesses. Prefinished white ceiling surface is flame resistant; requires no painting, staining or waxing.

# "CLEAN LIVING" GIVES A CHEVY ENGINE LONGER LIFE!

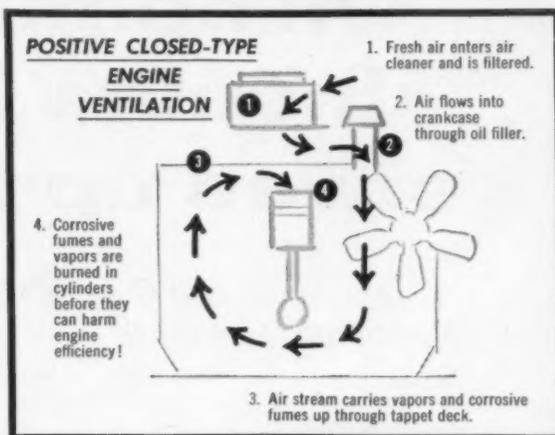
**... more evidence that Chevrolet Task-Force trucks are engineered better and built better for bigger savings!**

*This drawing shows, roughly, one of the ways in which Chevrolet truck engines minimize a major cause of wear—dirt! Now consider this additional evidence that Chevy heavy-duty V8's and 6's "live clean" and bring you fleet, dependable power that costs less to use!*

*Extra filters give extra-clean fuel—Only clean fuel reaches the engine—that's one reason you can depend on a Chevrolet truck! All fuel is filtered twice (once in the fuel tank and again in the carburetor) to keep dirt and water from hampering efficient operation. Chevrolet truck V8's provide a third filter, at the carburetor, for triple protection!*

*Oil stays clean longer, too—Chevrolet truck V8's and 261-cu.-in. 6's come equipped with modern high-capacity oil filters (V8 filters are of the Full-Flow type). These engines keep clean oil flowing to moving parts; parts wear less and last longer because of it!*

*Even the air is cleaner—Dust and foreign matter in the*



air an engine "breathes" can reduce engine life by years. Chevrolet minimizes this wear-producing factor by providing big oil-bath air cleaners as *standard equipment* on all truck engines.

These are sound under-the-hood reasons why a Chevrolet truck will *stay* on your job and *save* on your job. There are others, too, including short-stroke V8 design (shortest stroke of any truck V8's!) and 6-cylinder engine design that puts out more power than any other in the field. You'll learn about them all when you visit your Chevrolet dealer. . . . Chevrolet Division of General Motors, Detroit 2, Michigan.



*Biggest sellers . . . because they're biggest savers!*

## CHEVROLET TASK-FORCE 57 TRUCKS



## Demonstrate this new shingle! It will help you sell your homes!

...the New **FLINTKOTE**  
self-sealing,  
hurricane-resistant

# SEAL-TAB

Now you have an exciting, new idea for your model home in an asphalt shingle. A shingle loaded with special advantages . . . special selling points.

You can convincingly *show* prospects how SEAL-TAB provides the sure "overhead" protection they've always wanted.

Point out how each shingle has a strip of special adhesive on the underside of the butt. Explain how the sun's heat bonds the SEAL-TAB together to produce an integrated roof . . . *so tightly bonded that even hurricane winds can't lift the tab.*

You'll be gratified when you see how this self-sealing hurricane-resistant feature impresses home buyers. *It should!* It's a real money- and worry-saver!

You can select SEAL-TABS from a variety of specially handsome, pleasing colors.

And it is backed by a name you know you can depend upon for extra years of service: Flintkote, *originator* of the asphalt strip shingle!

Take advantage of all that SEAL-TAB offers to give your model home *top* sales appeal.

Ask your Flintkote supplier to demonstrate the SEAL-TAB advantages to you. Or write for complete information to: The Flintkote Company, Building Materials Division, 30 Rockefeller Plaza, New York 20, N. Y.



### Quick...Easy...and Trouble-free Application

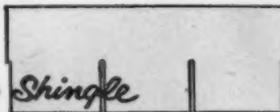
The SEAL-TAB has an exclusive Flintkote Aluminum Strip that retards the action of the adhesive until it is needed—it keeps the shingles free in the bundle . . . they don't have to be broken apart on the job. A SEAL-TAB roof is quick, easy and economical to apply.

\*A trademark of The Flintkote Company, Patented—U. S. Patent 2,210,209—also patent pending.



# FLINTKOTE

*Originator of the Asphalt Strip Shingle*



# How to make your model home a better salesman

Beautiful new **Cushiontone** Ceiling offers popular home comfort of sound-conditioning

Across the page, you can see how attractive a ceiling of Full Random Cushiontone is in a model home. Your prospects will be impressed with the beauty of this new ceiling and the new comfort of quiet it brings to the home. Cushiontone's smart design makes it a ceiling that is suitable for all areas of the house . . . living room, family room, kitchen, or den. In any room, pros-

pects will be amazed at the world of difference Cushiontone makes in home comfort. And they'll appreciate the way an Armstrong Ceiling stays permanently beautiful. Cushiontone won't crack, chip, or peel and is easy to keep clean.

Your prospects are reading about residential Sound-Conditioning with Armstrong Cushiontone in *Life*, *Better*

*Homes and Gardens*, *The American Home*, and *Sunset*. And, on the *Armstrong Circle Theatre, NBC-TV*, more than 15,000,000 people see actual demonstrations of how Sound-Conditioning works.

Put Armstrong Cushiontone in your 1957 model homes and offer your prospects the extra value of the newest idea in home comfort—Sound-Conditioning.



In one fast installation, Cushiontone provides modern Sound-Conditioning and a beautiful ceiling. Sturdy T & G joint speeds nailing, stapling, or cementing and insures a level ceiling.

This model home is Sound-Conditioned with a ceiling of Full Random Cushiontone. It's a merchandisable sales feature you can have at surprisingly low cost.

**Armstrong BUILDING MATERIALS**

Temlok® Roof Deck • Temlok Sheathing • Temlok Tile • Cushiontone® Ceilings



# MOE LIGHT SETS THE FIXTURE TRENDS

*dramatic new fixtures*

The stunningly new Moe Light fixtures can give your model homes the "something extra" that softens prospects' sales resistance . . . both day and night! They're designed to appeal to today's woman's sense of style and fashion—and the broad range of prices fills the bill for every building budget.

(A) M-1447 . . . retail \$39.95\*

(B) M-1429 . . . retail \$37.95\*

(C) M-1491 . . . retail \$29.95\*

*\*Prices slightly higher Denver and west.*

*glamorous new catalog*

Loaded with new INSPIRATION-LIGHTING ideas that you can adapt to your model homes. Completely new in concept and design—shows hundreds of colorful new fixtures, dozens of full color room scenes!

*See your Electrical Contractor or send for your FREE copy:*



Send me my free 56-page, full color 1957 Moe Light Inspiration-Lighting Catalog with ideas on how to sell my homes easier.

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_

**THOMAS INDUSTRIES INC.**

Originators of  Inspiration-Lighting

Executive offices: 410 S. Third Street, Louisville 2, Ky., Dept. AB-5

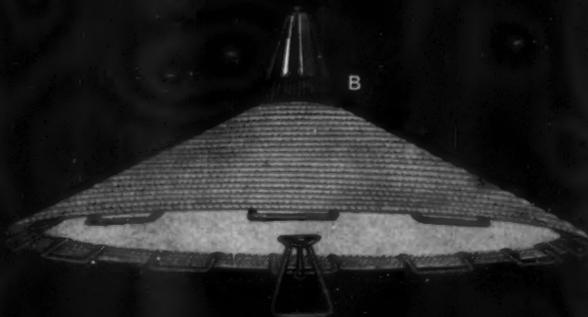
Factories at: Ft. Atkinson and Sheboygan, Wis.; Hopkinsville and Princeton, Ky.; Los Angeles 22, Cal.; Ft. Smith, Ark.

AGAIN!

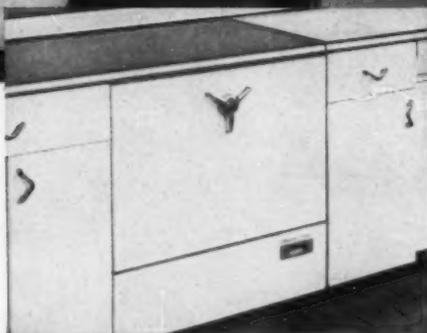
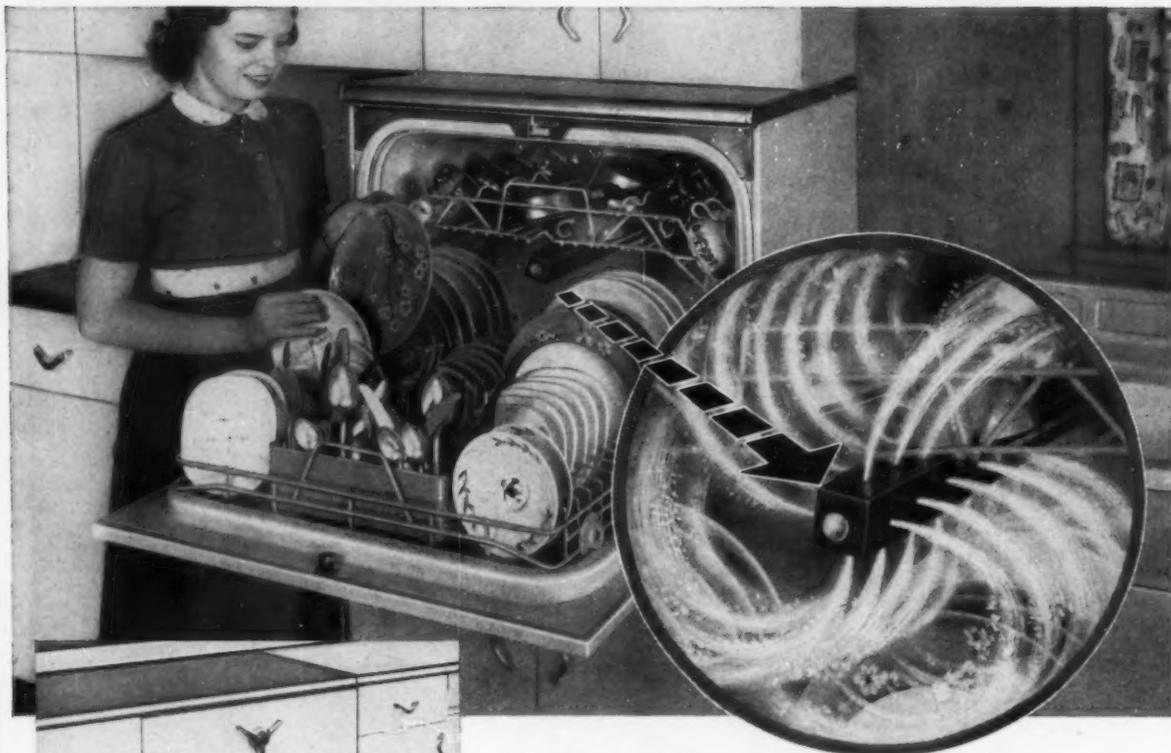


*the heavenly touch of light*

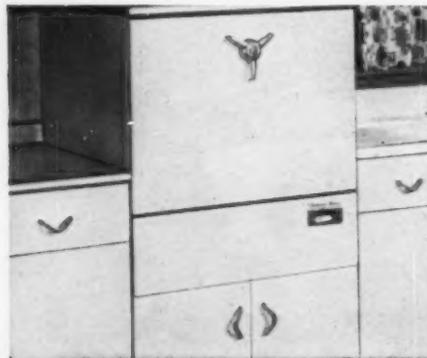
*...dramatizes Inspiration-Lighting*



# Here's why women want new homes with the **BIG 30" JET-TOWER<sup>®</sup> DISHWASHER**



TO MEET THE DEMANDS OF YOUR CUSTOMERS, the Big 30" Jet-Tower is available in a choice of installations...either the popular under-counter or the slightly newer work level height.



- **25% MORE ROOM** It's big enough to take *all* the dishes from a family meal.
- **NO PRE-RINSE** It doesn't require any pre-rinsing; just scrape food off plates.
- **FAST-LOADING** It is easy and simple to load.
- **VINYL COATED RACKS** Its vinyl coated racks hold dishes gently, firmly.
- **WATER-SAVING** It's water-thrifty — uses less for complete washing and rinsing than a hand-process.
- **TRULY CLEANS** Exclusive Jet<sup>®</sup>-Tower action sends whirling gentle jets of hottest water to get dishes *truly* clean.
- **RIGHT PRICE** The BIG 30" with 25% more washing room costs no more than the smaller old-fashioned dishwashers.
- **CHOICE OF MODELS** The BIG 30" comes in under-counter or work level models.
- **CHOICE OF COLORS** The BIG 30" is available in Star White, Meridian Blue, Dawn Yellow, Sandalwood—and colors cost no more than White!

 *Youngstown Kitchens*

Division of **AMERICAN-Standard**  
WARREN, OHIO



## Has your housebuilding ever caught up with Electrical Living?

### Test yourself . . .

- Do you sell *future* electrical potential for appliances that your customer may buy later?
- How much added cost would earn you the local Adequate Wiring award?
- Would the promotion value be worth the cost of the A. W. certificate?
- Does your local utility offer block pricing of current to help sell appliances—and sell demand for better wiring?
- Have you checked actual costs of electrical heat (resistance, heat pump) to local users?
- Do you stress *hidden value* of insulation for heating and cooling?
- Do you stress *hidden value* of split-circuit receptacles to spread kitchen appliance load?
- Can you “reel off” the wattages of various appliances?
- Which two appliances are safest on the same circuit: toaster, refrigerator, iron?
- How far apart do you specify outlets in various rooms?
- Do you offer light-path switching to save retracing steps?
- Do you provide a switch at each end of a long hall?
- Have you special circuits for the range and the dryer?
- Do you offer your customers a housepower rating sheet?
- If you use outdoor lighting for model house display, do you get current from the house's own outdoor receptacles?
- Have you thought of near-ceiling outlets for valance lighting?
- Do you offer three-way switches for garage and outdoor lighting?
- Do you provide a special heavy-duty circuit for workroom power tools?
- Have you studied the advantages of low-voltage remote control?
- What sizes of wire do your circuits carry?

The next 32 pages will show you what's here, what's ahead electrically



AN INVITING brightness helps high-perched Adequate Wiring symbol proclaim Spokane's Selectric Model Home.

WHAT

This is a good builders' house . . .

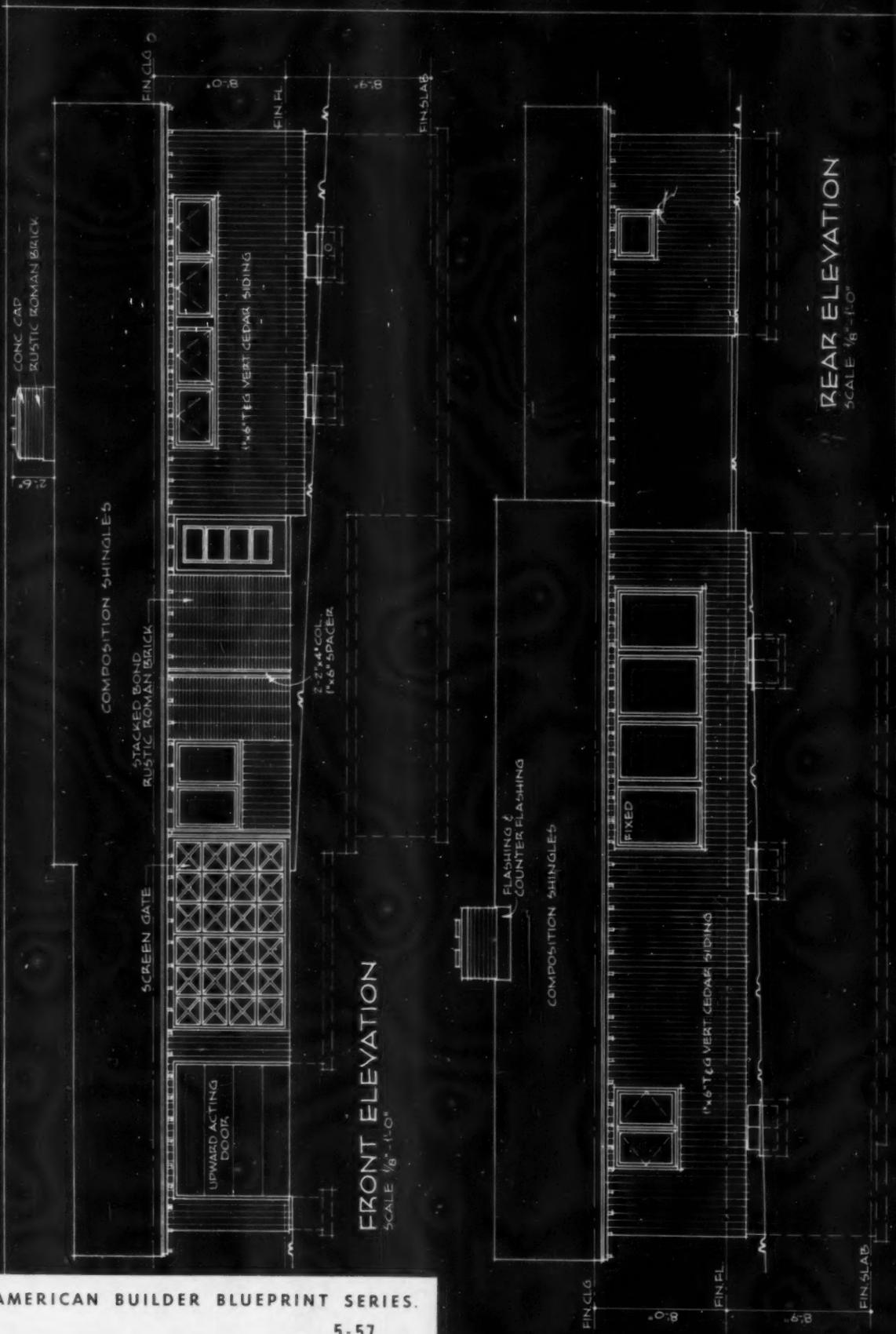


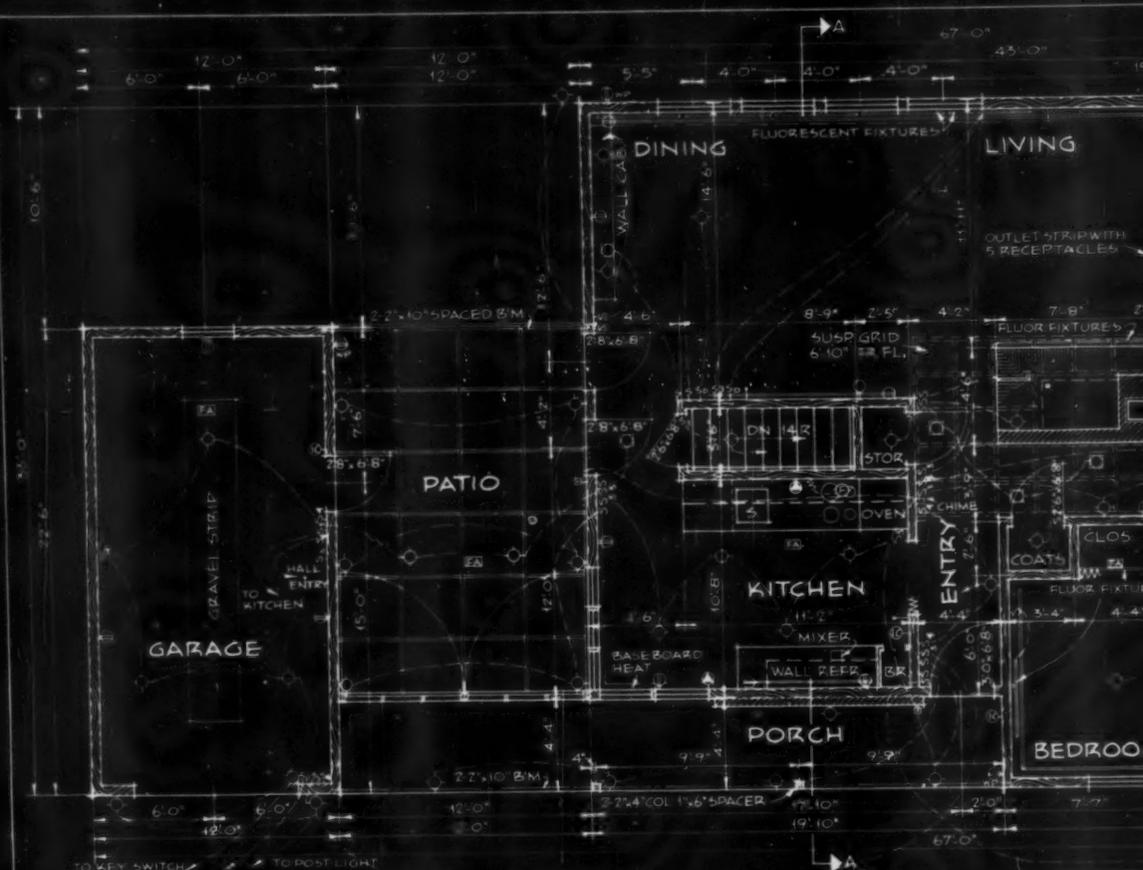
HOW

AMERICAN  
BUILDER  
BLUEPRINT  
No. 241

HE'S wiring for electric heat.

. . . but it's even better for being  
a showcase of what's here  
in electrical living . . .



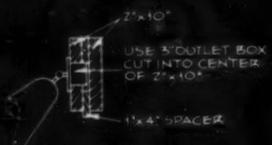


TO KEY SWITCH ON POST LIGHT  
 TO HEAT CABLE UNDER 5' STRIP OF DRIVE  
 TO POST LIGHT  
 TO HEAT CABLE UNDER 5' STRIP OF DRIVE

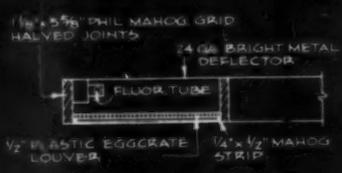
**FLOOR PLAN** SCALE 1/8" = 1'-0"



**VALANCE LIGHTING**  
 NOT TO SCALE



**BRACKET LIGHT**  
 SCALE 1/2" = 1'-0"



**FIREPLACE EGGCRATE DETAIL**

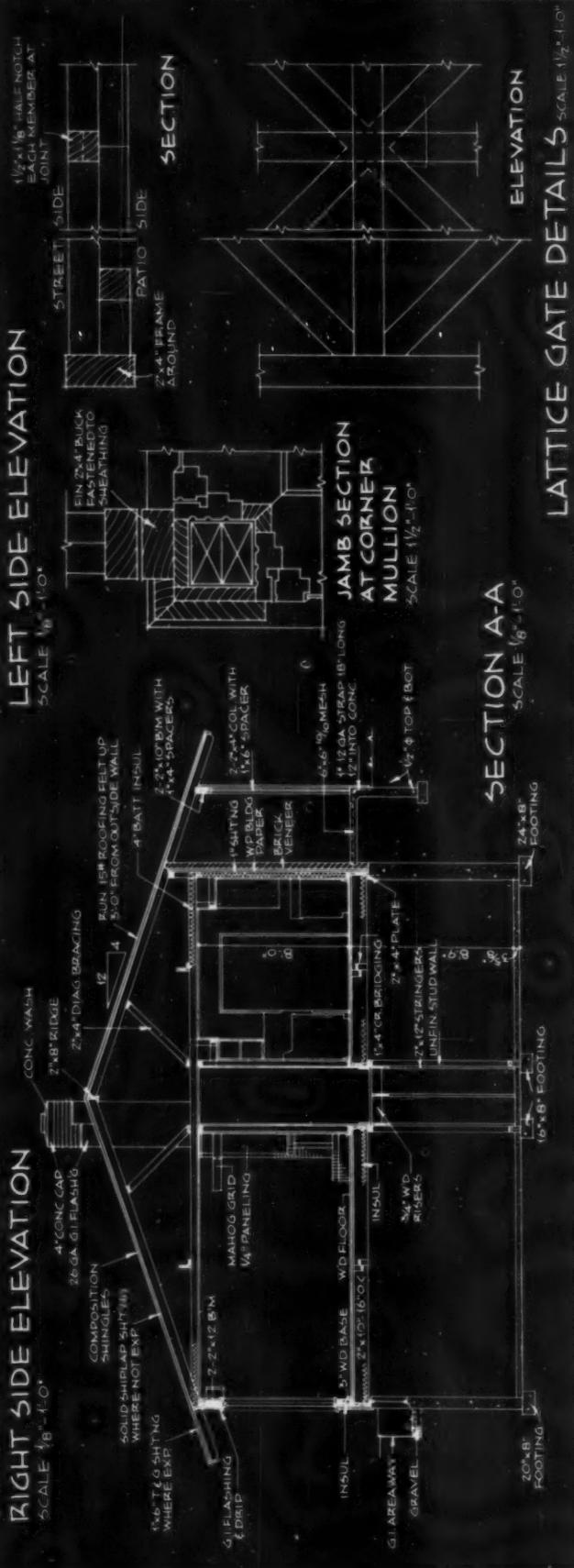
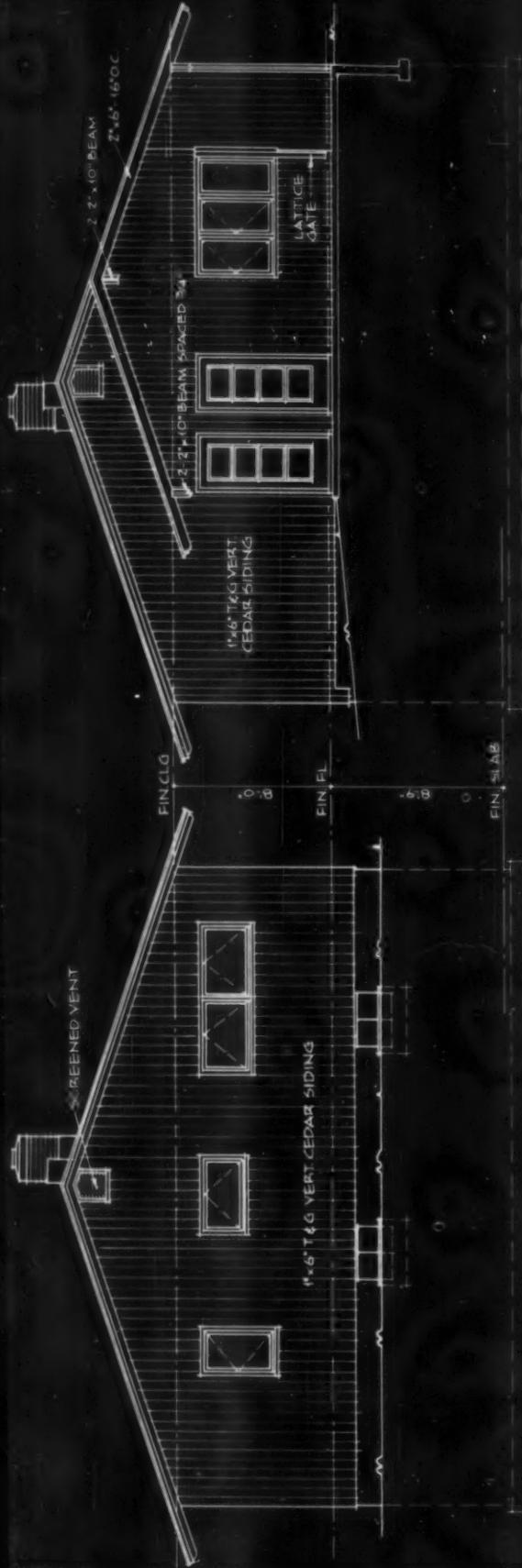


**SUNLAMP DETAIL**  
 SCALE 1/2" = 1'-0"

**BASE DETAIL**  
 NOT TO SCALE







LATTICE GATE DETAILS SCALE 1/2" = 1'-0"

## Here's why the Blueprint House became all electric

The "Selectric" house in Spokane, Wash., was promoted by electrical contractors to show the public what it was missing in electrical living. It was also planned to interest more electrical contractors in expanding their residential wiring, fixture, and appliance markets. But builders, who were not the primary targets in the promotion, learned as much about electrical living as did the electrical contractors and potential customers. The Selectric house thus became a "showcase" of electrical living for builders everywhere.

This 1,340 sq. ft. house was priced at \$28,000—including land and a \$6,300 electrical contract. But when builder Jim Matthews figured it in construction costs and land alone (omitting appliances), he found he could claim a \$14 per sq. ft. cost—slightly below average for comparable construction in Spokane. This is another reason for giving this American Builder Blueprint House a good look.

Robert L. Wilkinson, manager of the Inland Empire Chapter of NECA, had this to say about the cost of the house: "Electrical features combining *both* a utilitarian and decorative value are substituted for those which are purely decorative and which, in some cases, cost more. . . ." To assure a clear-cost yardstick, no donations of materials or price concessions were permitted.

Every one of the 30-odd electrical features was readily available at reasonable cost through regular supply channels (no custom gimmicks). Lighting engineers of the Washington Water Power Co. designed the lighting plan to make the most of every architectural feature.

Moderate in size and design, so as not to distract attention from the electrical elements, the "Selectric show case" is a cost yardstick and a battery of ideas for the builder. (A complete list of materials for the Blueprint House is on page 244.)

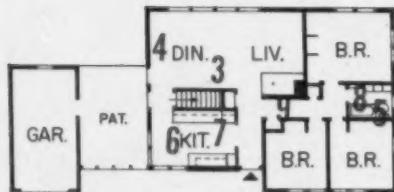
Start here for your guided tour  
of the Selectric house to  
see what's here electrically . . .



**1** DRIVEWAY has snow-melting 800-watt Electro-mode cable (\$45 for material and labor). Garage has fire alarm, time-set auto-motor warmer.



**2** GARAGE DOOR OPENS at turn of key in Genie Lift-a-door switch (\$100 installed). Latticed gate opens on patio-carport.



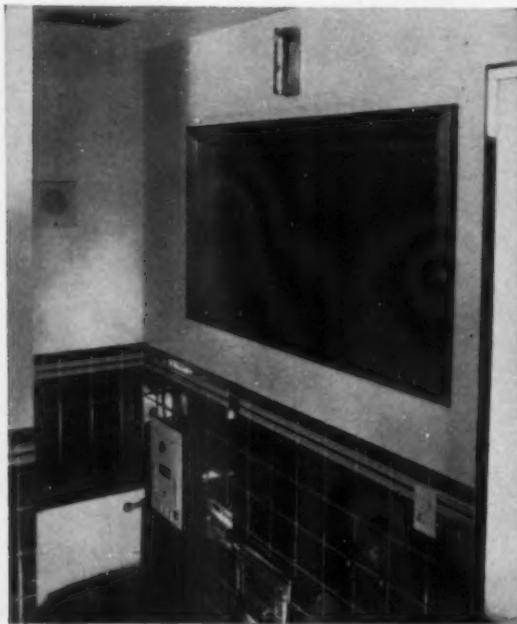
... LIVING ELECTICALLY: GUIDED TOUR OF



**3** **PATH-OF-LIGHT** switches by Remcon save steps. Both ladies can control living room lights. Note Luxtrol dimmer at far end, above it the electric heat thermostat, and Bulldog Electrostrip below.



**4** **PULL-DOWN** dining room light has dimmer control (\$30 for Virden V-2218R fixture plus \$15 installation). Above, Litecraft spots and Lightolier "black lighting" display china on built-in unit.



**5** **COUNT 'EM:** luxury bathroom has Wesix Ionix heater, Tradewind vent fan, Burntux sanitary napkin incinerator, Westinghouse Airtron ozone lamp (above window), intercom receiver, mirror lamp.



**6** **START YOUR COFFEE** from bed—outlet and retractable cord panel in GE kitchen unit can be turned on from master bedroom which controls switches outside, in garage, hall, etc.



**7**

**FOUR IDAHOS IN NINE MINUTES.** Tappan built-in electronic oven hurries baking. Nutone hood and one of four Columbia Domino lights (\$40 each) also shown.

**8**

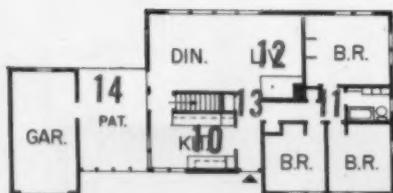
**FLANKING MIRROR,** one of a pair of Virden fluorescent lamps, is shown (see picture 5 for other). Columbia luminous ceiling fixture and sun lamp are not visible.



**9**

**AISLE LIGHTS** by Prescolite throughout house cost \$4.50 each complete. Telephone conduits are provided for concealed telephone extensions throughout the house.





**10** **WORK SURFACE** under the GE wall-food unit has Nutone mixer, Plugmold strip. Wesix baseboard heats kitchen.



**11** **TUB WARMER** of 180-watt lead-sheathed cable cemented to underside of tub costs \$15 with red-warning light.

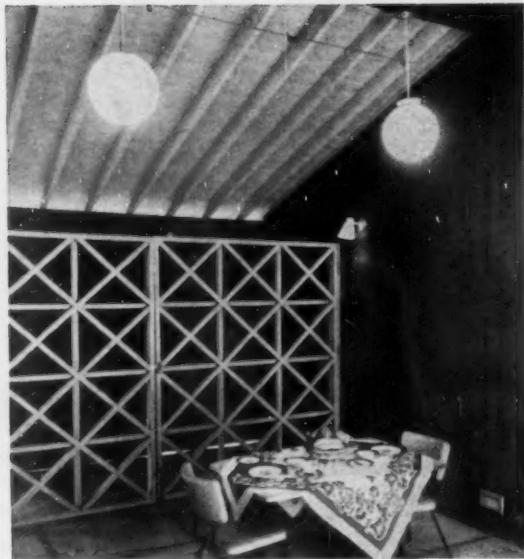


**12** **HEARTH CORNER** has Vir- den 9115 Quick-Start fluorescents above ½" plastic eggcrate louvers, and Presco-

lite SC94 wall lamp. Hidden on ceiling, left, is Nutone fan. Opposite glass wall has dimming valance lights. Electromode ceiling cable heats main area.



**13** CLOSET LIGHT goes on when door is opened (cost is \$15 complete). Note ceiling squares, open or fixtured, are continued into bedroom hall.



**14** PATIO-BREEZEWAY-CARPORT is lit by Prescolite 546 hung from beam and bracket spots. String of low-voltage flashers not shown.

### OTHER IDEAS AND BRAND NAMES USED

Forty-circuit, 200-ampere Zinsco circuit breaker panel with 3 #3/ORH service entrance.

Illuminated house number.

Doorbutton operates Nutone chimes, Lightolier entry light.

Sonic Servant intercom.

Remcon silent switches control interior path of light, exterior floodlights.

Switch plates by Sierra.

Prescolite WB-2 on each side of garage, other models in patio, fireplace wall, aisles.

Edwards fire alarm (\$75 installed), with buzzer in hall and heat detectors in all principal rooms and closets.

Lightolier lazy-touch bed headboard light.

Individual room thermostats for Electromode ceiling heat.

Columbia sunlamp with Alzac directional reflector above bathroom lavatory.

Low-voltage master panel in bedroom controls any or all lights outdoors and in.

Luxtrol dimmer controls.

Hall Mack cabinet with fluorescents flanking mirror above dressing table.

Lightcraft L879 in master bedroom with pairs of lamps separately switched for color changes.

Telephone conduits for concealed telephone extensions.

General Electric built-in automatic washer-dryer.

GE built-in garbage disposer.

Hotpoint water heater.

Basement fan heater, 4,000 watts.

Outdoor Lightolier post light with key switch for garage door.

Crawford garage door.

Pella combination storm-screen windows.

Duraflex aluminum threshold.

Weiser locks.

Olsonite toilet seat.

Briggs plumbing fixtures.

Philippine mahogany paneling.

Fiberglas insulation.

Stanley hinges.

# This house is built around a full



**MOST POPULAR** model by M. H. Wolfe, the Deauville, has sold 40 of the 47 houses completed. The more expen-

sive versions sell best, with electrical kitchens and plenum for add-on air conditioning. Garage is optional.

When does a "hidden value" become an open asset? When customers ask for it, and builders find it pays to put money into that item rather than some more flashy gimmick.

This house, by M. H. Wolfe & Co., Granite City, Ill., is a good example of a break-through of a "hidden value," in construction, in merchandising, in consumer acceptance. Certified Adequate Wiring is spelled out and played up in ads, in brochures, in newspaper releases. Wiring procedure assumes greater importance in the building operation.

Like other houses in this guided tour of *what's here* in electrical living, this Holiday Gardens development got full benefit of the local Adequate Wiring Bureau's planning and publicity. It was the first subdivision in the region to offer A.W. as standard equipment, and the Bureau was sponsor of several large ads announcing the Open House and assuring "an electrical wiring installation which will enable you to enjoy the full measure of service your electrical appliances are capable of rendering"—the standard A.W. definition.

Holiday Gardens, a 176 home project on 48.8 acres, was begun in 1955, the firm's first residential work, offering all-brick homes from \$14,950. George, Glenn and M. F. Wolfe, sons of M. H. Wolfe, are officers of the company, and had experience in supervising heavy construction. The project offers 100-ampere entrance in three service conductors, with the separate circuits indicated on the chart at right.

Many other builders also find that A.W. is no longer a "hidden" virtue. Cloverdale Corp. of Little Rock, Ark., was almost tempted to drop certifica-

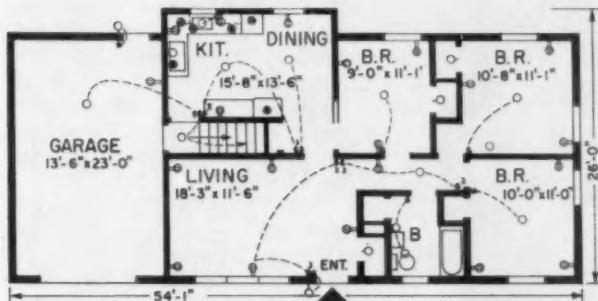
tion after building the first 15 of a 428-unit development because of extra costs involved. Then they changed their minds. Customers moving in said that wiring was one of the strongest selling points.

De Vries Construction Co. did a masterful job of electrical display in a split-level model for the 140-home Winchester Estates, Winchester, Mass.

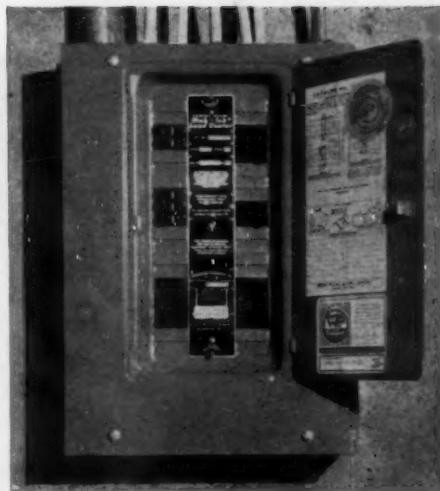
**SERVICE ENTRANCE SPECIFICATION**  
100 AMPERE 3-Ø 2TW OR 3-Ø 3 RH CONDUIT

CKT.	POLES	AMPS	WIRE	USE
1	1	20	12-2	WASHER
2	1	15	14-2	HEATING UNIT
3	1	15	12-2	GARBAGE DISPOSAL
4	1	15	12-2	NUTONE "BUILT-IN" MIXER - BLENDER
5	1	20	12-2	SUMP PUMP
6	2	20	12-3	APPLIANCE SPLIT-WIRED RECP.
7	1	15	14-2	GENERAL PURPOSE
8	1	15	14-2	" "
9	1	15	14-2	" "
10	1	15	14-2	" "
11	1	15	14-2	" "
12	2			240 VOLT SPARE
13	1		120	" "
14	1		120	" "
				INDIVIDUAL EQUIP. CIRCUITS
				OPTIONAL EXTRAS
	2	50	6-3	RANGE
	2	40	8-3	RANGE TOP 10-3 ALLOWED IF RUN IS SHORT
	2	30	10-3	OVEN
	2		12-3	AIR COND.
	1	20	12-2	DISHWASHER
	2	40	8-3	DRYER 50 A RANGE OUTL. FOR 9000 WATT DRYER
	1		12-2	FOOD FREEZER
	1		12-2	BATH HEATER

## wiring program



**FLOOR PLAN** is reversible, and various roof lines are offered. Small TV-bedroom can be modified into a dining room. Full poured basement with 7'-2" head clearance is offered to meet local resistance to basementless homes.



**MAIN PANEL**, 125-amp-rated split-bus type, shows 1 1/4" rigid conduit bringing three #3 RH service conductors from weatherhead. Promotion emphasized 2,400-watt kitchen split-circuits.



**WIRING IS ROUGHED IN** and dropped to proper location before outside walls receive insulation and rock lath, and ceiling receives lath and radiant-heating tubes. Room partitions and hall plenum for optional cooling, and

plumbing are installed; then wiring is run to outlet and switch boxes, as shown. Use of 4" square box saves time and receptacle breakage, and is worth the extra cost builders have found.

. . . LIVING ELECTRICALLY: WHAT'S HERE IN GRANITE CITY, continued



**ALL ELECTRIC KITCHEN**, added last year, has become popular, especially built-in range and oven (Hotpoint). Other appliances are disposer, clock-chime combination, dishwasher, recessed light, and Nutone copper or stainless steel hood, exhaust fan, light and backsplash, mixer-blender.

Two of the three Holiday Gardens models were displayed without furniture to stress electrical features. Cards behind switch plates and outlet covers designated what each controlled. Red flashing bulbs were plugged into convenience outlets to draw attention to number and location. Other flashers, numbered 1 and 2, marked split-wired outlets. Each special equipment circuit was so marked.

Thus the distinct requirements of A.W. were stressed: entrance amperage, branch circuits, kinds of circuits, wattage supply, number and variety of outlets.

Homes with the electric kitchen have a 12-circuit breaker-panel, fed by #6/3 cable from the main panel. These homes have a total of 28 circuits.

. . . LIVING ELECTRICALLY: WHAT'S HERE IN CLEVELAND

## The heat pump is on the



**RANCH MODEL** sets tone for \$35,-50,000-up development. Lots average 150x400', some with ponds.

This 100-house Fairmount Park development in Geauga County, Ohio, by Dr. Francis A. Sowin and his son Norman will be the first large development to concentrate the use of heat pumps in greater Cleveland which has been dotted with not

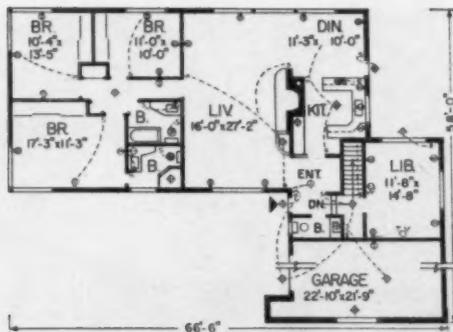
more than 30 till now. The Fairmount Park homes will be of brick, stone or frame, with two to five bedrooms. Even the draperies will move by push-button. The development will have its own water and sewerage system, and six artificial lakes.



**AWARD** is received by Freeman Wolfe from Charles Meyer (standing) of Madison County A.W. Bureau. Others are Arthur Kayser of Illinois Power Co., William Huxel, electrical contractor, Sam Wolf and Carl Miller, realtors.

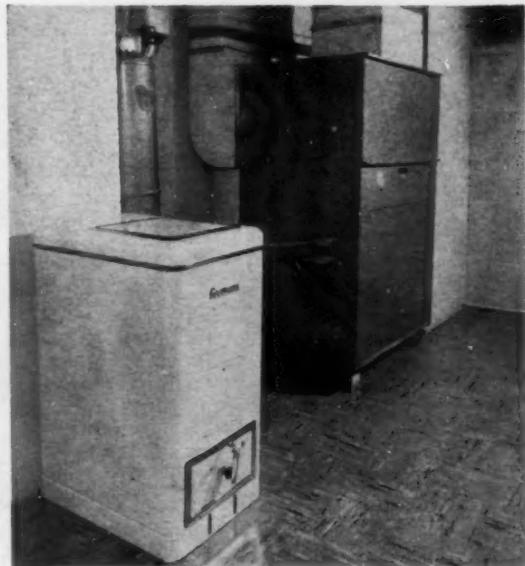
**BATT INSULATION** goes against brick wall. SCR brick, trussed roof, subfloor and furring are installed to permit complete lathing of shell, and eliminating wood backing and cutting and fitting of lath between partitions.

## move . . . headed north



**PLAN** shows front-to-back living room, U-kitchen, which commands front entrance and driveway, also side and rear views. Basement is finished in hunting-lodge style, with fireplace wall extending to rear foundation.

**HEAT PUMP**, at right, is by General of California. It dominates the utility room formed by rear of stack (behind incinerator). Electric water heater, washer and dryer are off to the right near foot of steps.



## They sell electrical living



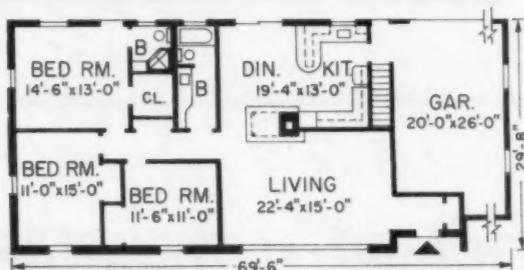
**Leo Vandor caught St. Louis' interest by showing the first heat pump in the nearby town**

Getting St. Louisans to cross the Mississippi River to another state is no sales problem for Leo Vandor who advertises the point that his Mitchell Place development in Neighboring Belleville, Ill., is only 20 minutes from downtown St. Louis. For the final promotion pull he goes the limit electrically. He put the first heat pump in the region into the house (below) last year, and is following up with a firm policy of Adequate Wiring certification for every house. Above (center) he is receiving the 200th certificate issued by the Belleville A. W. Bureau, from Erwin Braun, secretary, as Robert Newsome, owner of the home, looks on. The bureau helped plan the electrical layouts without charge to builder or buyer.

Vandor's newest "first" in the neighborhood is the electronic oven going into his spring display model.

Mitchell Place will have over 120 units when present plans are completed, individually tailored to buyers' tastes and priced from \$16,000 to \$32,000.

**PLAN** shows featured fireplace between dining and living areas, compact kitchen layout, two baths.



"HOME OF TOMORROW" played up 3-ton GE Weathertron heat pump as "a peek into the future." Ten sales were

made from this house, with thermostatic controls, A. W., insulation, colored-texture plaster and brick veneer.

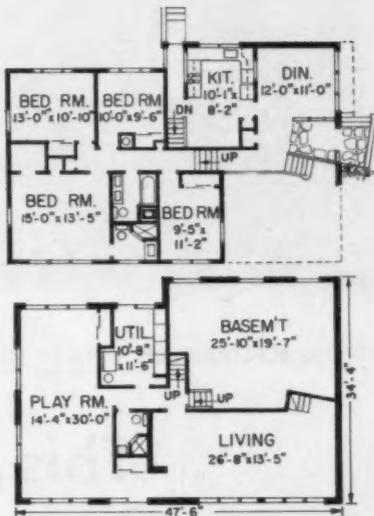
. . . AND IN WILMINGTON, DEL.

## to help them sell houses

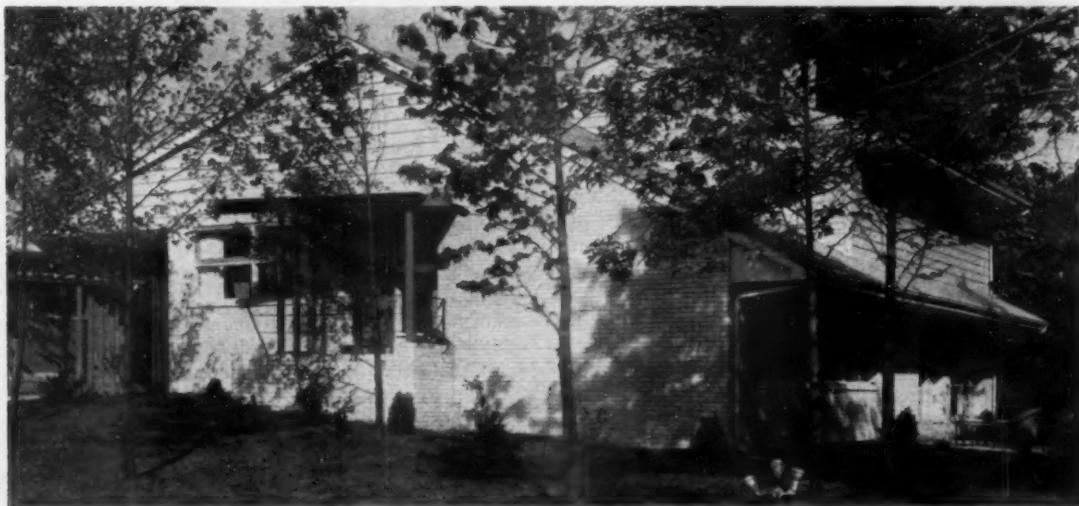


**Leon Weiner plays up lighting  
for sophistication—wiring  
for convenience and comfort**

At the 13th annual National Adequate Wiring conference in Chicago last February, the head of the Delaware HBA, a third-generation builder, gave a sharp from-the-record talk on how he convinces a house-wise clientele that they need look no further. He stressed exterior lighting for display and for permanent use; the fullest amperage load possible for the price of the house; split-wiring receptacle; and numerous outlets. His color slides (taken by George Davis, of New Castle County A. W. bureau, shown above, right, with Weiner) proved what sophisticated, quality lighting can add to even the most glamorous house. Result: the buyer's A. W. certificate is kept in his vault, to prove, years later that "This house is not obsolete."



PLAN of Franklin Homes Barclay split level shows easy access to living room down steps from main entry. ▶



THIS MODEL reversed basic plan to utilize slope. Living room at right and playroom beyond look out on patio,

with outdoor spots and weatherproof outlet under overhang. Carport (off left) is lighted similarly. ▶



. . . **LIVING ELECTRICALLY: WHAT'S HERE IN COMMERCIAL CONSTRUCTION—LIMA, OHIO**

## This motel makes electric

“Turn it on yourself” is what many an owner of a hotel or motel would like to reply to a request for heat or cooling. The decentralized system throws the main responsibility on the occupant—and saves the owner headaches from piercing squawks if the central heating or cooling system should happen to break down. It also saves him plenty on initial cost of central equipment and underground piping and wiring.

As designer, builder and owner of the East Gate Motel in Lima, Ohio, Karl D. Shingledecker prefers individually heated and cooled guest rooms and is backing up his conviction with hard cash for a planned addition of ten units to the 26 now in operation.

The first 14 units, lobby and utility rooms were opened in October 1954. They were air conditioned with four two-ton units installed in the attic. Heating was by Electromode baseboard resistance units, with 1500-watt wall insets with blower and thermostat for the bathrooms.

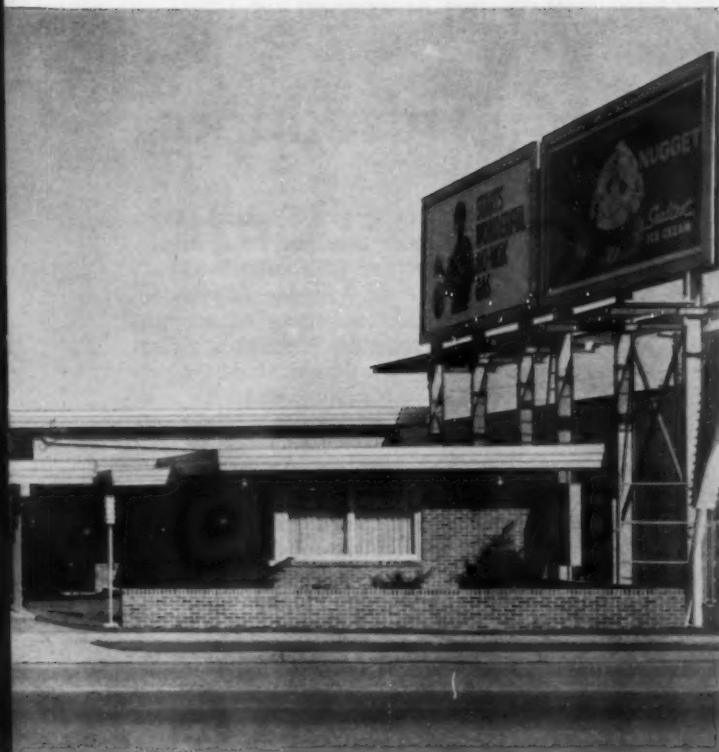
The next 6 units were opened March 1955, and 6 more January 1956. Shingledecker, pleased with

the heating system, stayed with it in the new wing, but tried a new departure in cooling. He tried individual  $\frac{3}{4}$ -ton room units, placed in-the-wall. Convinced he has found the right combination, he will repeat it in the final section of the outer rim of rooms.

“If I were building a 100-unit motel, there would be no question as to the method of heating,” he has declared. “In my mind, from the standpoint of original cost, maintenance, safety for my guests, along with the overall operating costs when you have but one utility service, there is no other way to heat a motel.”

Shingledecker figures cost at about 70 cents a day per occupied unit for all electricity—heat, light, cooling, water heating—including the lobby, utility rooms, and his large three-level residence.

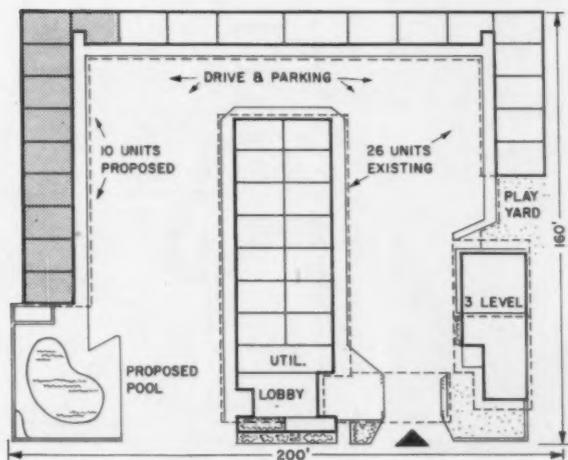
Heat emission is immediate upon the turning on of the individual room control since most electrical heat is by radiation. Other forms of electrical heating popular in motels are in-ceiling resistance cable (see *Selectric House*, p. 71) and on-ceiling conductive rubber panels.



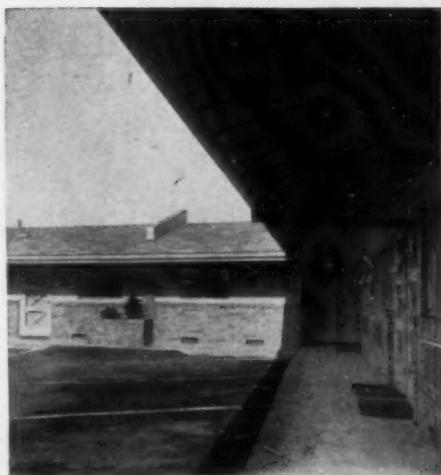
**BASEBOARD HEATER** permits full carpeting. Basic unit is 32" long, 8½" high, 3" deep, with 600-watt capacity, operating on 120 or 240 volts. Air conditioner fits into sleeve under window.

◀ **EAST GATE MOTEL** owner Shingledecker likes the single utility set-up "if you have a normal rate and proper installation and insulation."

## heat its big attraction



**LAYOUT** of complete 200'x160' plot shows original block of rooms and lobby (center), residence and new group (right and rear), and projected 10 new units at left. "Swimming pool will be shielded just enough for privacy, not enough to hide it from passers-by."



**NEW 12-unit section** opened last year, seen from owner's residence. Note air conditioner wall sleeves at right into which room-units fit; also note wall bracket lamps.



## This kind of

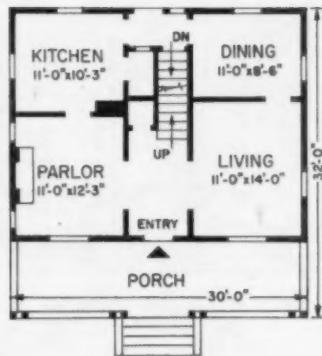
**B**ringing an old house up to 1957 standards involves giving it more than just a face lifting. Livability is more important than looks in today's remodeling. It follows, then, that rebuilding this 50-year-old home included completely redoing the electrical system. The following pages show how it was done cooperatively by the Greater St. Louis HBA, and the Union Electric Co. of St. Louis.

The exterior problems are obvious from the pictures, but inside Architects Norman Roab and Robert Elkington had even worse problems. Not the least was to replace a 15-amp, 3-wire system (there had been at least one previous attempt at electrical improvement) of the "knob and tube" type with an up-to-date system that would handle modern appli-

. . . helped to take 50



**BEFORE:** This house is an unfortunate example of the early 1900's. The picture and the plans show its obvious deficiencies; what isn't visible is the heating system (there wasn't any central heating) and the electrical system—a 15-amp, four-circuit antique that was just barely enough to handle the lighting.



# adequate wiring . . .

ance loads.

The "showcase" part of the job, of course, was the new Moe lighting; but the bread and butter was the new power system that made it possible. There was a new 200-amp service—100 amps for the house's new eight circuits, and 100 amps for the new GE electric radiant-heating system. This last was installed when it was seen that an ordinary new system (there was no central heat) would cost around \$1,500. The electric system was cheaper to buy and install. Few structural changes were necessary. Estimated cost of heating: only \$230 a year.

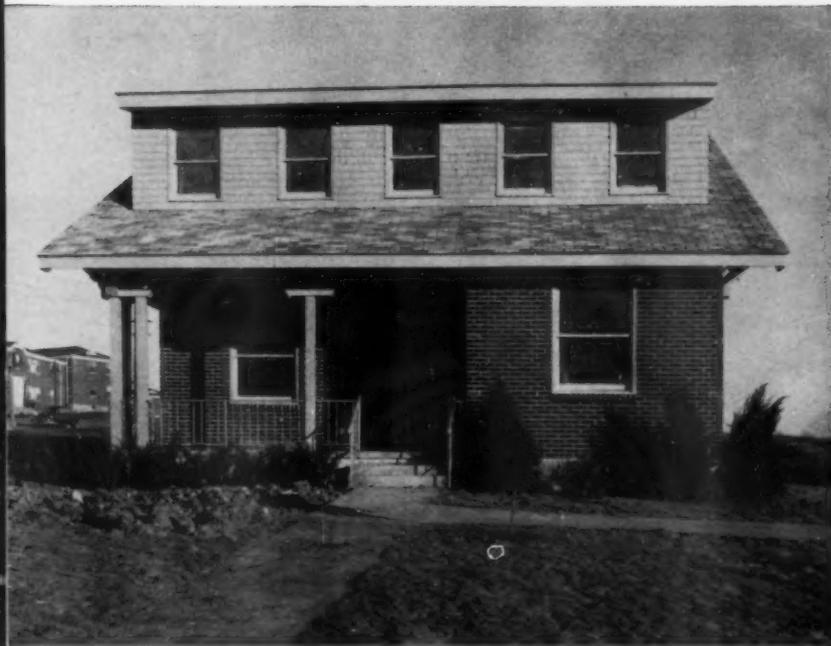
The few outlets that there were (they were in the

floor, of all places) were replaced with 300 feet of Plugmold base, with outlets every six feet of usable wall space. The strip was also used in the kitchen and dining areas as chair molds.

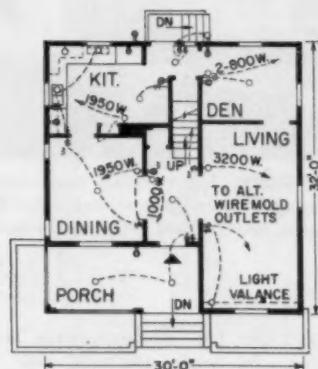
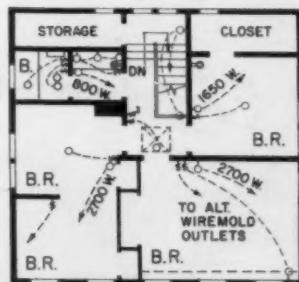
Kitchens are generally the first part of a house to be modernized and this one got the works, electrically speaking, in lighting and appliances. So did the bath, usually the second most important room from a modernizing standpoint. And finally a 5,200 cfm Emerson Electric attic fan was installed for cooling.

The final result may not look like 1957—that's asking too much—but it should live like 1957, and that's more than a lot of brand new houses do.

## years off this house



**AFTER:** For all practical purposes, a new house. The dormer has been spread across the entire front for light and headroom upstairs. Some of the porch has been pulled indoors, and the whole interior has been opened up. Most important, the new owner will feel as if he's living in the twentieth century.



## Here's how they remodeled

### ▼ They remodeled the bath with three jobs for electricity . . .



**BEFORE:** Just what you'd expect in the bathroom of an old house. Electricity has to provide new heat, light, and ventilation.



**AFTER:** The new compartmented bath. In the shower ceiling: light, heat, a fan. Over the basins: new fluorescent lights.

### ▼ . . . and the living room grew larger with balanced lighting . . .



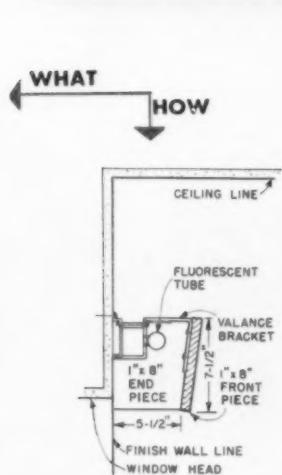
**BEFORE:** The principal problem—how to bring modern interest and color into the most heavily used room in the house.



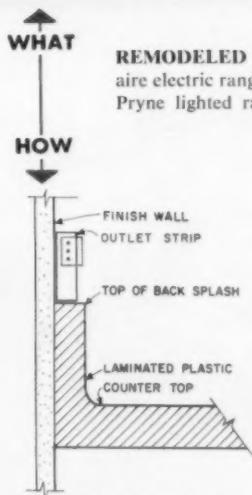
**AFTER:** The solution: extend the room onto the porch, add room-wide curtains, put lighting behind the valance.

# electrically inside

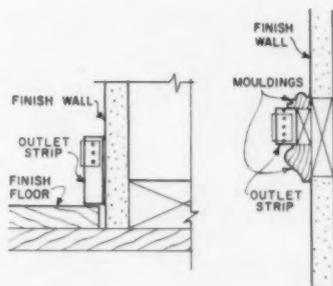
▼ ... while they gave the kitchen an electric working center



**DETAIL** shows how lights in valance (Moe) throw light up and down.



**IN THE KITCHEN**, Plugmold electrical outlet strip runs around plastic back-splash. Strip can also run along as wall base, above right, or chair mold.



**REMODELED KITCHEN** is 100% new. Appliances include Frigid-aire electric range, oven, refrigerator, disposer, Nutone food mixer, and Pryne lighted range hood. Plug-in strip has almost limitless outlets.



Color photos: Luis Lemus

. . . LIVING ELECTRICALLY: WHAT'S AHEAD IN MONROE, N. Y.

## This builder "House of Tomorrow"



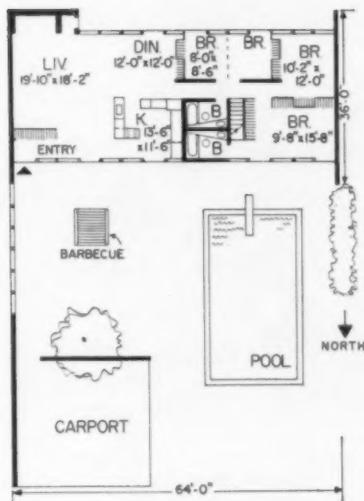
**ARTIST'S SKETCH** made during the design stage gives a bird's eye view of the flat-roof, 4', modular post-&-beam

house. The glazed endwall of the basement serves 1,500 sq. ft. expandable area.



CHANGING OF THE GUARD. Man's artificial lighting takes over from the sun at dusk.

## shows what's ahead electrically



**B**uilder-designer John Dornés in Monroe, N.Y., has taken the next logical step in the evolution of tomorrow's house. In general practice today is the one-room clear-span construction technique using trusses with permanently installed storage walls to divide up the space. Dornés' latest house (one of *Living For Young Homemakers'* Electri-Living models) shows the ultimate uses of electrical power feasible for a moderate-priced home. He has added retractable casters to the closet units that act as walls. With this design concept, the family can change the layout of any part (or all of the house) to meet changing needs, even changing moods. The only permanent walls in the building are the plumbing core walls and those enclosing the baths. For a full list of products used in this house, see p. 210.

◀ **NINE** casement-type doors open out, give access to outdoor terraces from each room. Gravel is used as an inexpensive ground cover for the driveway, carport, walks, and pool area.

## How to build electricity into



**LIVING-DINING AREA** looking toward the hi-fi electrical center built into closet storage units. Photo shows spacious open-planning. The cluster lamps over dining

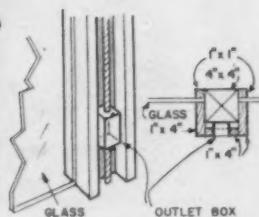
table, like all ceiling fixtures in Dornés' house, are movable, are fastened to 2x4's running between exposed beams and plugged into switched outlets at ends of beams.

# tomorrow's house



**TROUGH** in underside of beams is utilized as raceway for wires, switched outlets.

## WHAT — HOW



**PASS-THRU BUFFET** cabinet, usually near kitchen, separates living-dining areas. Quarry tile floor is excellent for moveable units. Photo: Ernest Silva.

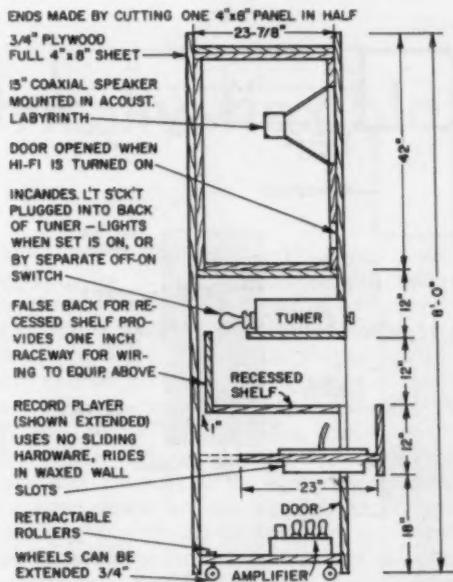
**RECEPTACLES**, at base of posts, are handy for strip outlets on moveable closets.

## WHAT



**AT HI-FI ELECTRICAL CENTER** you can: (1) control every light in house, (2) dim lights in living area, (3) answer phone, (4) operate custom Stromberg-Carlson hi-fi.

## HOW



**HOW BASIC** 4'-wide ceiling-height closet cabinet is adapted for hi-fi. Standard units use four 4x8 sheets of 1" plywood. Photo left: Scott Hyde.

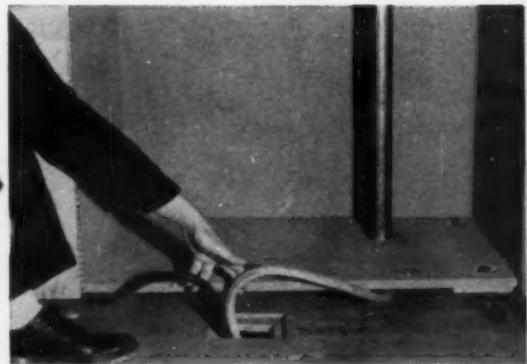
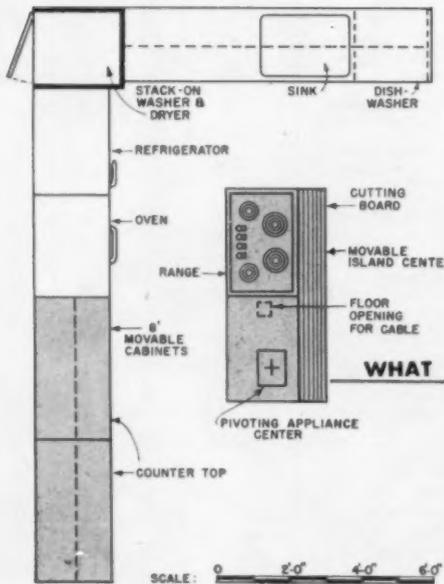


↑  
**WHAT**  
↓  
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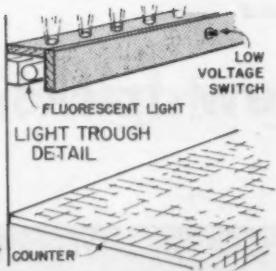
**ONE POSSIBLE ARRANGEMENT** of kitchen. Range island-center pivots to any desired position. Cabinets at extreme left can be moved too. Rear cabinet wall with sink, Westinghouse oven and refrigerator-freezer are stationary.

. . . **LIVING ELECTRICALLY: WHAT'S AHEAD IN MONROE,**

# Tomorrow's

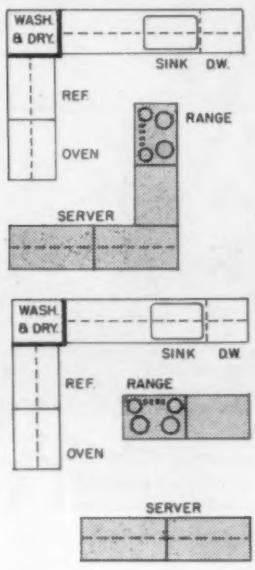


**PLAN, LEFT,** for one kitchen arrangement. Above, range-unit pivots. Dark cable for range; light for appliances.



HOW  
THAT

FLUORESCENT tubes in trough light up ceramic-tile counter and glass objects above.

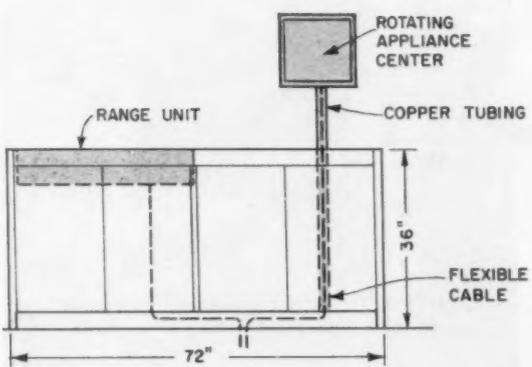


ANOTHER POSSIBLE ARRANGEMENT of same kitchen (see two other plans at left), has informal eating area. Portable appliances connect to pivoting appliance center. Cutting board doubles as breakfast bar. Photo: Silva.

N. Y., continued

# kitchen will be electrically flexible

HOW



DRAWING SHOWS how Dorné's made Westinghouse appliance center pivot. Flexible cable is in copper pipe.

John Dorné's electrical thinking went beyond providing for the installation of a fully equipped Westinghouse kitchen. His electrical planning had to be as flexible as the roller-mounted storage walls. For example: Dorné's range-unit cabinet can pivot to any desired position. For lighting, a remote-control system is used. Lighting switches in each room area control local lighting except for two master panels, each of which has 12 color-coated buttons that control all the lights in the house. The master panels are not attached to the walls, but to long flexible cables that can be mounted set on furniture in any feasible part of the room. To create this flexible electrical control system, Dorné's used Luxtrol light controls; Touch Plate remote-control lighting; Lectrolines continuous outlet stripping.

## Here are three new tricks



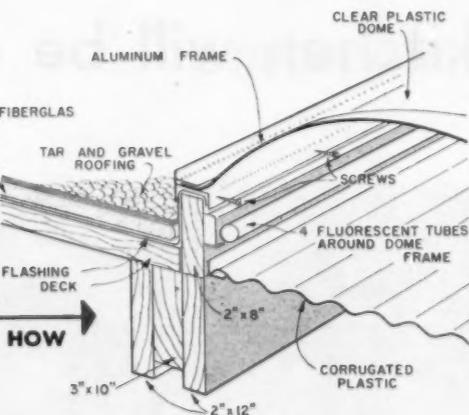
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**WHAT**

**REAR OUTDOOR LIVING AREA** is lighted by a few ground lights and pin-up spots fastened to the underside of carport beams, but most of the light comes from the interior valances (see detail). There is also a spot in floor of pool.

↓  
**HOW**



←  
**WHAT**



↑  
**LIGHTING IDEA:** put four fluorescent tubes around base of plastic dome, above translucent plastic panel.

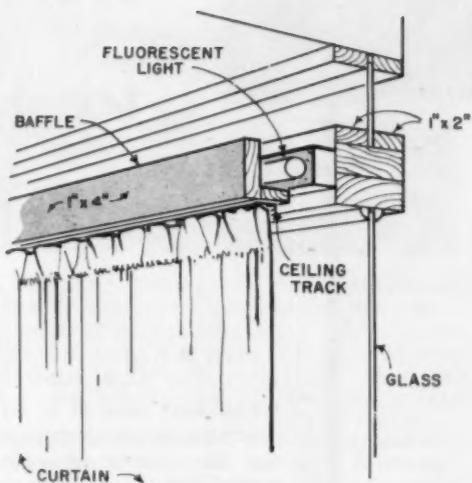
◀ **OVER FIREPLACE,** daylight comes from Wasco Skydome. Lantern with dimmer gives mood lighting.

# in lighting techniques



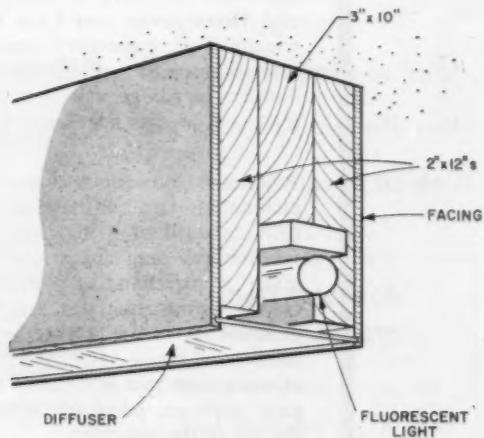
← WHAT

→ HOW



WHEN LIGHT IS DIRECTED downward between drapery and glass, drapery is opaque from outside.

VALANCE LIGHTING around inside perimeter is set at each 4' module for overall illumination.



DETAIL shows alternate beam lighting where fluorescent tubes are softened by plastic diffusers.

◀ PIN-UP LIGHTS over covered walk are controlled by low-voltage switches. Note wiring in channel.



## Here's what's ahead for the easy-energy age of electrical living

• You don't have to be an old timer to remember when electricity in the home was like indoor plumbing—a citified luxury. Yet today, we wouldn't dare try to sell a new house with wiring that was standard ten years ago. This type of wiring would be painfully inadequate now, like the single lavatory-tub-commode bathroom. Home buyers demand at least an extra powder room. But they are not so clear as to what they need in wiring.

• They won't be unsure for long. The electrical industry's elementary self-interest motivates the story of Adequate Wiring and Housepower and Live Better Electrically. Your customers' demands will be more informed and articulate. As a builder you can grow with this demand, or try to evade it, to keep costs down.

• Because of customer demand, you now include an extra half bath as fitting in the new standard of living. You include insulation as a long-run economy—and you make a merchandising point of them. Good wiring qualifies on both these grounds. It means greater convenience, safety, and resale value. And unlike a lot of equipment that is included in the mortgage package, adequate wiring will last the life of the structure.

• Electrical people look forward to a time when all household energy will come into the house over a wire. That time is pretty remote for a builder who must meet immediate needs and cost requirements, but

even now he should build so that his customer will keep his Adequate Wiring certificate in his vault, as solid proof that his house is not obsolete, no matter what the inventors and manufacturers put onto the market in the next generation or two. Just think of it. In 1930, there were 19 electrical appliances on the market; in 1940, 36 appliances; in 1950, 43 appliances, in 1956, 62. There are more every day.

• Your kitchen will still be fresh looking in 1966; but will it be wired to handle one of the 9 million more dishwashers that Hotpoint predicts will be sold by then? (Today's dishwasher saturation is 4.7%; in 1966 it should be 19.7%.)

• The combination washer-dryer is hardly started—0.4 saturation last year; 9.1 predicted for 1956—200,000 to 5¼ million. And add air conditioners, disposals, freezers, all hardly started on the road from luxury-item to required staple of a reasonable standard of living.

• And we haven't even mentioned all the marvels already out of the dream stage but not yet in production: electronic cooling, TV recording tapes, flat panel all-glow lighting.

• The cost of electricity is going down. Atomic energy and solar heat will bring it down faster. This, then, is *what's ahead* electrically. Will your houses let your customers live fully—electrically—in the easy-energy age?



▲ **WALL-TO-WALL CEILING** of fluorescent lighting, "Sylva-Lume," is modular, interchangeable plastic panel system. Variety of panel patterns, colors, styles. Extruded aluminum track system, 3 ft.-square vinyl plastic diffusers, acoustic wedges or baffles. Sylvania Electric, Dept. AB, 1740 Broadway, New York 19, N.Y. (No. 5001, p. 132.)

◀ **REMODELED KITCHEN** takes on really new look with this ceiling of light styled by General Electric. Beams separate louvered plastic panels. Results include uniform lighting throughout working areas; light, airy effect even in room with few or no windows. General Electric, Dept. AB, Nela Park, Cleveland 12, Ohio. (No. 5002, p. 132.)

Indoor lighting:

# Make the whole ceiling light up



**MODULAR LIGHTING** in panels of 2'x2' or in complete Sunshine Ceiling package for standard 5'x7' and 5'x8' bathrooms. Ceilings "float," do not touch walls, allow ample air circulation. Electrical channels attach to structural ceiling with grid to hold diffusers. Wakefield Co., Dept. AB, Vermilion, Ohio. (No. 5003, p. 132.)



**AREA LIGHTING** with Modulume. Three-dimensional modular plastic diffusers are mounted on extruded aluminum track. Three lengths allow combination to any total ceiling length. Mounts at cornice or ceiling, in one strip or many. Lam Workshop Inc., Dept. AB, 404 Main St., Wakefield, Mass. (No. 5004, p. 132.)

Use ceiling space as lighting space . . . whole ceiling or modular units do it

**OTHER ELECTRICAL  
NEW PRODUCTS**

- Electrical heating . . . p. 108
- Outdoor lighting . . . p. 98
- Safety sound equipment . . . p. 104
- Wiring devices . . . p. 112
- Catalogs . . . p. 142



**DRAMATIC APPROACH** as well as a safe one is part of this "Electri-Living" house in Wheaton, Ill. Builder Graeme Stewart planned the front house approach with such safety items as the single down-shaded fixtures which light the driveway, by Lightolier (No. 5005, p. 132). Gar-

age itself is separately lighted (not by car headlights), and four recessed fixtures by Pryne Co. (No. 5006, p. 132) are installed in the house overhang. Not shown is a lamp post with illumination timed by an indoor clock control. Entire illumination of house takes 2,200 watts.

### Outdoor lighting:

## How to add glamor plus safety



**EASY APPROACH** to outdoor lighting can begin with weatherproof wiring devices such as this Saf-T-Lok Snap Cover Outlet. Designed to withstand excessive moisture, line has a hinged snap cover which locks into an open position. From Bell Electric, Dept. AB, 1884 W. 21st St., Chicago 8, Ill. (No. 5007 on page 132.)



**TRADITIONAL APPROACH** to up-to-date outdoor lighting begins with a colonial post lantern with metal top panels to reflect light downward. Other weatherproof fixtures in black

include matching lanterns on either side of door, adjustable reflectors along eaves of house. All from Moe Light, Dept. AB, 410 S. Third St., Louisville 2, Ky. (No. 5008, p. 132.)



# MODEL HOME

TODAY, BUILDERS ARE LEARNING

## How to sell homes just by pointing to them!

Many builders are finding that they don't have to do much more than tell people how to get to their homes—if they have equipped these homes with a full complement of modern electrical “servants,” and if they point up this fact with Live Better Electrically promotion material.

For Live Better Electrically has been telling the over-all benefits of electrical living to consumers through practically every medium of communication: top magazines, newspapers, television, radio, direct mail, brochures, publicity and point-of-sale display.

When you associate your building project with Live Better Electrically, you get the direct benefit of this barrage of advertising and promotion. Turn the page and read how alert builders are using Live Better Electrically to sell their homes...

# Six typical builders promote sales with Live Better Electrically



▲ **Hyman Cohen**, builder of Morewood at Cold Springs, N. Y., says: "We clinch most of our sales in the electric kitchen, and that's why we're sold on Live Better Electrically. Home buyers want the benefits of electrical living and Live Better Electrically will give our houses added sales appeal by pointing up all these benefits." Colorful mobile hangs from kitchen light. Self-adhering symbols adorn appliances and highlight easily overlooked features such as exhaust fan, outlets, switches.

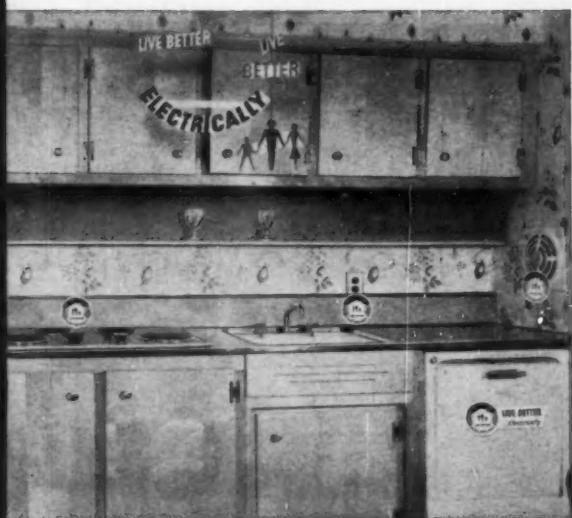


▲ **George H. Glover** (center) prominent Detroit builder, says: "Live Better Electrically is an excellent merchandising program, and it's the best way we know of to sell home buyers on electrical living. By working closely with contractors and our local utility under the Live Better Electrically banner, we've been able to increase the salability of our houses." Attention-getting symbol on site sign identifies house with all the benefits of modern electrical living.

▶ **Clayton H. Powell** (right), one of Savannah's leading builders, and William H. Gartlemann of Savannah Electric and Power Co. discuss plans for their cooperative Live Better Electrically campaign. "More electric features sell houses faster," says Mr. Powell, "and we're using Live Better Electrically to dramatize all the sales-appealing benefits of electrical living."



▶ **Harold Kramer**, builder of more than 500 homes per year in New Jersey, says: "We're happy to be tied in with Live Better Electrically. We'll be using Live Better Electrically wherever we can to help play up all the electrical-living advantages of our homes." Living room's electrical switching, outlets, thermostat accented with colorful self-adhering symbols and hanging mobile.



▲ **Howard Benedict, Jr.**, sales agent for Julius Meshberg's Gaylord Village in Hamden, Conn., says: "Live Better Electrically is one of the best merchandising programs ever offered to builders. We're going to take advantage of Live Better Electrically by merchandising this idea in every house we build." Mobile and self-adhering symbols point up this kitchen's built-in electrical benefits.



▶ **Charles J. Mascioli**, builder, Clearview Village, Plainview, N. Y., says: "I feel that the Live Better Electrically project is an excellent means of stimulating interest in new homes. By using this selling theme, I am able to closely identify myself with the national Live Better Electrically program and thus benefit from it." Eye-catching, weather-resistant direction sign points the way to model home.





## Harness "Live Better Electrically" to your own sales effort!

Local publicity and advertising support come your way when you tie in with Live Better Electrically. A new Builder's Merchandising Kit will be available in ample time to take advantage of this selling theme in your National Homes Week promotion. The kit offers a whole arsenal of useful sales tools, including a new Builder's Idea Book, "How to Use Live Better Electrically to Promote New Home Sales," which illustrates:

*Ideas for your sales brochure      Site signs, mobiles, direction signs*  
*Advertising ideas (actual cases)      How to get local publicity*

The kit also contains ready-to-use advertising and display materials that make it easy to put Live Better Electrically to work for you.

Call your electric utility now and reserve your kit, so you'll get this merchandising package as soon as it's off the press — and gain a head start in sales value from Live Better Electrically.

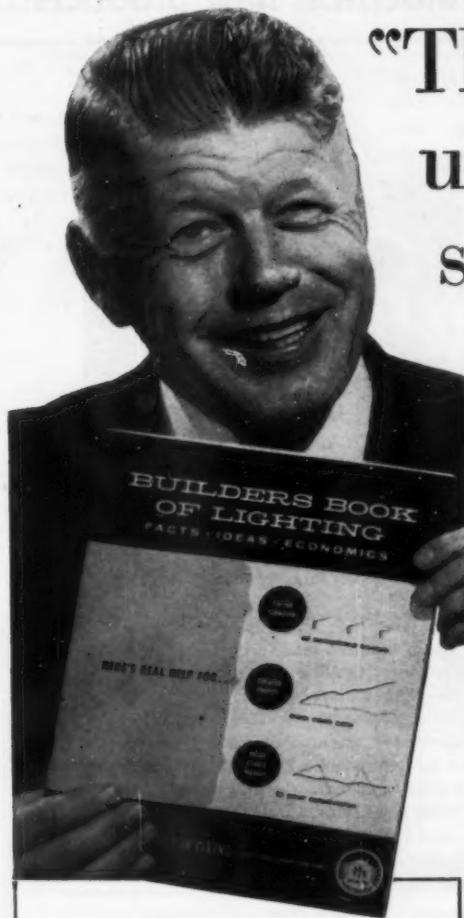
# LIVE BETTER... *Electrically*

A united effort by everyone in the electrical industry — utilities, manufacturers, dealers and distributors, builders, contractors, architects — to sell the benefits of electrical living to consumers everywhere.



Take it from Frank Croonquist—GENERAL ELECTRIC'S NEW "BUILDERS BOOK OF LIGHTING" IS . . .

"The finest, most easily understood book on structural lighting"

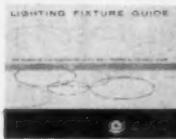


GET YOUR COPY OF THIS HELPFUL BOOK!

It's Included In G-E's New "Builders Kit On Lighting". . . which also contains:



"How To Decorate And Light Your Home"—a book in full color, that popularly sold at \$6.75



"Lighting Fixture Guide"—for selecting the right fixture for the right place.



"See Your Home In A New Light"—a booklet of tested recipes that create Light for Living.



"Light For Living . . . Outdoors"—how to light yards and gardens for more family enjoyment.

**Who's Frank Croonquist?** He's a partner in Shervic and Croonquist Builders of Sunland, California. He builds Light for Living into their \$17,500 homes. And he says, "In one week of showing, the lighting in our model home drew rave comments from every single visitor."

Mr. Croonquist used ideas from "The Builders Book of Lighting," including a full 19 feet of valance lighting and lighted mantels using two 8-foot G-E Fluorescent Lamps. On that score, he says, "The detailing was easy to follow. Because instructions are simple and clear, we had no problem achieving the results we were after."

You can use Light for Living to increase the sales appeal of your homes. And you'll find that the Builders Book of Lighting helps you make Light for Living a powerful selling feature at surprisingly low cost.



"Wall Lighting Guide"—that shows, in full color, how wall lighting adds beauty and salesability to homes.



"Dimming Systems"—a handy guide to the economical installation of dimming systems.

In addition, there's a useful little folder on suggested "Selling Sentences" for builders and real estate salesmen showing homes that have Light for Living. You get all this material for only \$1.00 by mailing the coupon below. So, act now!

**GENERAL  ELECTRIC**

SEND THIS COUPON WITH \$1.00 TODAY!

General Electric Company, Large Lamp Dept. AB-57  
Nela Park, Cleveland 12, Ohio

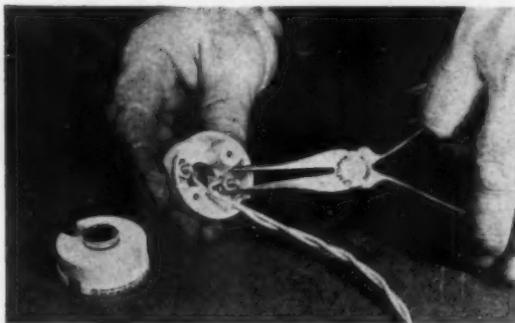
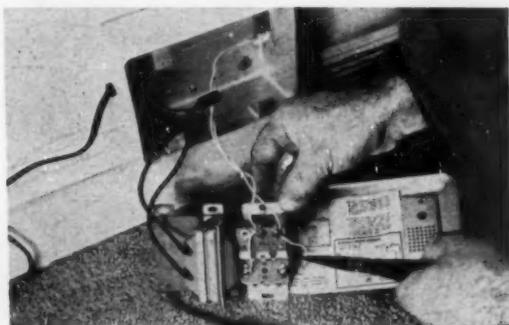
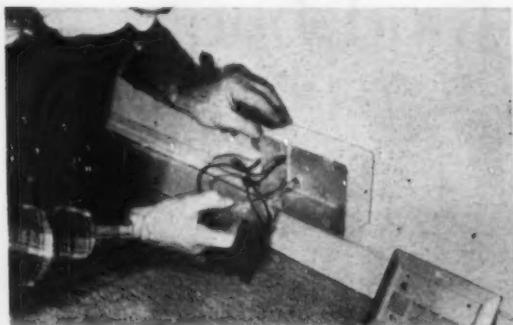
Please send me \_\_\_\_\_ Builders' Kits at \$1.00 each.

NAME \_\_\_\_\_

STREET \_\_\_\_\_

CITY \_\_\_\_\_ ZONE \_\_\_\_\_ STATE \_\_\_\_\_





**STEP ONE** in installation of Edwards home fire alarm shown in upper left photo. Box for signal unit is easily attached to wall with screwdriver. Fire alarm provides cut-off for ventilating systems to prevent smoke damage.

**STEP TWO** (upper right photo) illustrates how simply connections to the signal unit are made with either bell wire or dual thermostat wire. Complete wiring diagram is given on the reverse side of the control panel.

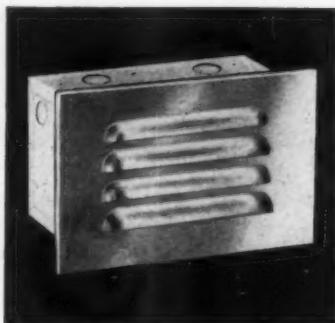
◀ **STEP THREE** (lower left photo) shows automatic fire detectors connected to the system with a pair of pliers and later attached to attic or basement ceiling areas. Edwards Co., Dept. AB, Norwalk, Conn. (Circle No. 5009, p. 132.)

**Safety and sound devices:**

## How to give extra protection



**SAFETY AND SOUND** are highlighted in combination AM & FM music system and intercom by Musi-Call. Protects three ways: electronic baby sitter, permanent butler and night watchman. Five stations can initiate call. MusiCall Corp., Dept. AB, 324 S. Beverly Dr., Los Angeles, Cal. (No. 5010, p. 132.)



**DESIGNED FOR PEAK** performance, recessed wall lighting unit has variety of applications such as lighting stairways and patio steps. Safety-Lite directs all the light downward on walking area. Stainless steel face plates won't corrode. Litecraft Mfg. Corp., Dept. AB, 8 E. 36th St., N.Y. 16, N.Y. (No. 5011, p. 132.)



**VERSATILE RADIO-INTERCOM** provides music, two-way intercom, fire warning system. Features electronic device that can be selectively set to relay unusual noises and interrupt radio reception for sound's duration. G & M Equipment Co., Dept. AB, 7315 Varna Ave., North Hollywood, Cal. (No. 5012, p. 132.)

**Weatherproof flush overhead doors**

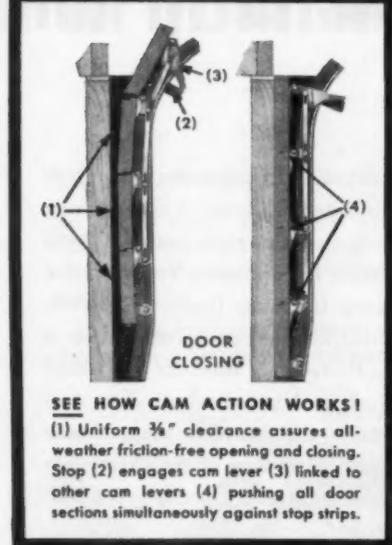
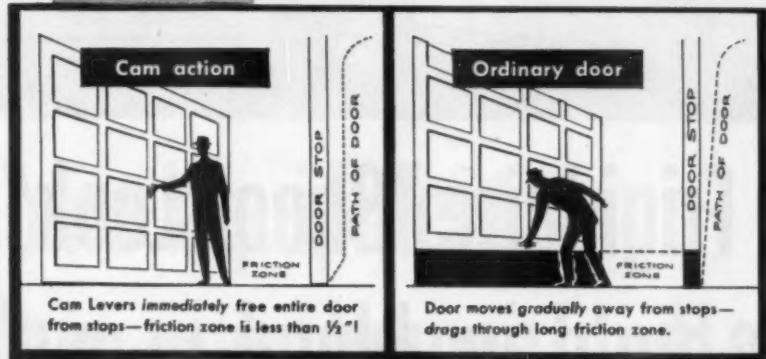
Flush-type overhead doors with guaranteed weather resistance and high insulation value are available for the first time with the new Weather-King Flush Barcol OVERdoor Sections, featuring honeycomb core sandwich construction, hardboard facings. Weather-King Flush Barcol OVER-

doors, with patented Cam Action tight closing, offer weathering and insulation values comparable to the outside walls in which they are installed.

The manufacturer, Barber-Colman Company, Rockford, Illinois, was also first to use hardboard panels in garage and industrial doors. Nationwide distributors install and guarantee Barcol OVERdoors.

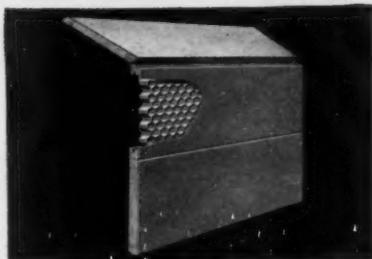


**Barcol OVERdoors close tighter, yet open easier!**



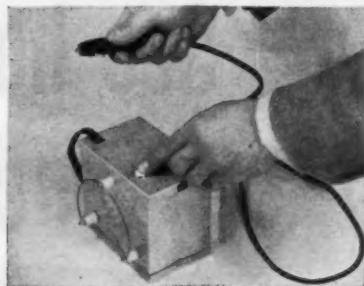
**CAM ACTION OVERdoors close tighter** because door rolls easily down with  $\frac{3}{8}$ " clearance and then is pushed forward by cam levers and held firmly and evenly against door stops. No dragging . . . no scraping.

**CAM ACTION OVERdoors open easier**, at a turn of the latch handle, because extra Cam Springs at bottom pull entire door  $\frac{3}{8}$ " back from stops—overhead springs then lift friction-free door upward. Friction zone is reduced, allowing wood to swell in damp weather without sticking, binding, or wedging. Call your Barber-Colman distributor (under "Doors" in phone book) or write:



**Weather-King Flush Sections**

The illustration above shows how weatherproof hardboard facing is applied to a honeycomb core in the construction of Weather-King Flush Barcol OVERdoor Sections. Facing is guaranteed not to split, crack, delaminate, or weather-chip. Small captive air cells of resin-impregnated honeycomb core eliminate convection currents and provide insulation equal to that of a 5-in. house wall—U factor .259. Redwood closures withstand severe weathering conditions; bonding adhesive is impervious to moisture. For booklet write Barber-Colman Company, Dept. Q75, Rockford, Illinois.

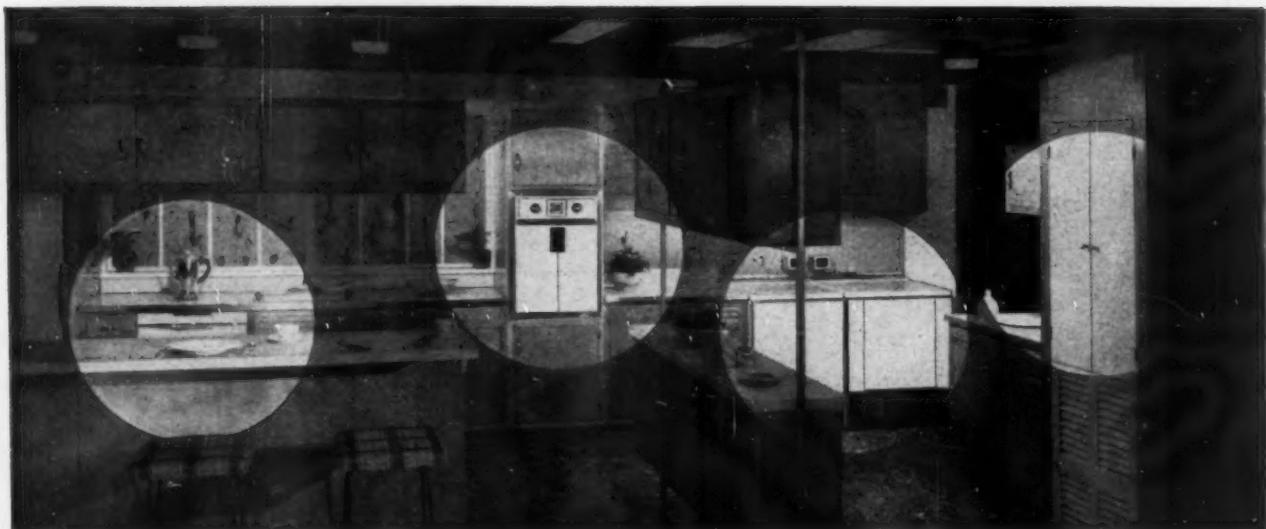


**Demonstrator key for Drive-In-Home builders**

Demonstrator-key for builders featuring Barcol Doorman garage door electronic control in their homes. Demonstrator consists of actuating element in a stainless metal box with pushbutton on top . . . plugs into any car cigar lighter. House salesman lets prospects press button, and garage door opens automatically. After house is sold, actuator is transferred to owner's dash and actuating element of another Barcol Doorman placed in demonstrator box. Together with the new price of only \$198.00 for the Barcol Doorman, the demonstrator key is helping make automatic garage doors one of the basic "built-ins." For booklet write Barber-Colman Company, Dept. Q75, Rockford, Illinois.

**Barber-Colman Company**

Dept. Q75 Rockford, Illinois



Undercounter Dishwashers



Build-in Wall Ovens



Automatic Washers—Electric Dryers

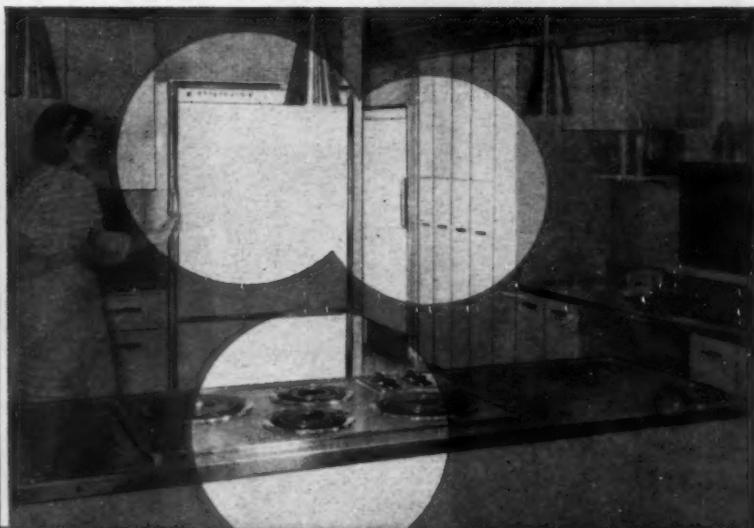


Year-Round Air Conditioning

## See how Frigidaire "Sheer Look" can build-in, blend-in and



The trend-setting "Sheer Look" in built-in and freestanding Frigidaire home appliances is "sheer luck" for builders in today's competitive market. Now, with less work, for less cost, you can style your kitchens and laundries to suit the most discriminating home-buyer. You can offer both built-in luxury, and blend-in beauty from the freshest, newest, most stunning line of appliances ever built for the home. Installation is a breeze—almost as easy as Plug-in . . . Push-in . . . Built-in! No round corners, no bulges, no gaps—they fit flush with standard wood or steel cabinets available anywhere. In addition to the complete major home appliance line, Frigidaire Full-Home Conditioning now offers a complete line of summer and winter air conditioners to fit every home you build.



Fold-Back Surface Units



Refrigerators



Built-In Cooking Tops



Food Freezers

# home equipment fit-in your homes and selling plans!

## TO HELP SELL YOUR HOMES...

No matter where you are, a Frigidaire Builder Sales Representative is prepared to assist you with new merchandising plans and materials for your specific homes.

Call your nearest Frigidaire Dealer or District Headquarters for complete information.



REFRIGERATORS • ELECTRIC RANGES • BUILT-IN COOKING TOPS  
 WALL OVENS • FOLD-BACK SURFACE UNITS • DISHWASHERS •  
 FOOD FREEZERS • ELECTRIC WATER HEATERS • ELECTRIC DRYERS  
 AUTOMATIC WASHERS • FULL-HOME AIR CONDITIONERS •  
 GAS & OIL FURNACES • ROOM CONDITIONERS • DISPOSERS

IN '57 GO

# FRIGIDAIRE

DIVISION OF GENERAL MOTORS CORPORATION  
 DAYTON 1, OHIO



**HEATING PLUS LIGHT** for this bathroom comes from Nutone's Heat-a-Lite installed in ceiling over the vanity area. Builder Ray Nelson of Cincinnati, Ohio, also includes a Nutone ceiling ventilating fan as part of his bathroom package. Nutone Inc., Dept. AB, Madison and Red Bank Rds., Cincinnati 27, Ohio. (No. 5013, p. 132.)

◀ **ALL-ELECTRIC HEATING** system with new G.E. Weathertron heat pump. Unit uses only outside air and electricity to heat home in winter, cool it in summer. Operates without fuel or water. General Electric, Dept. AB, 1 River Road, Schenectady 5, N.Y. (No. 5014, p. 132.)

**Electric heating:**

**Latest lessons in how to heat**



**HEATING BY BASEBOARD** suggested by Electromode. Grey hamertone-finished units have all electric wire, insulated, embedded and completely sealed within the cast-aluminum heating element. Finned aluminum diffuses heat rapidly. Electromode Div., Dept. AB, 45 Crouch St., Rochester, N.Y. (No. 5015, p. 132.)

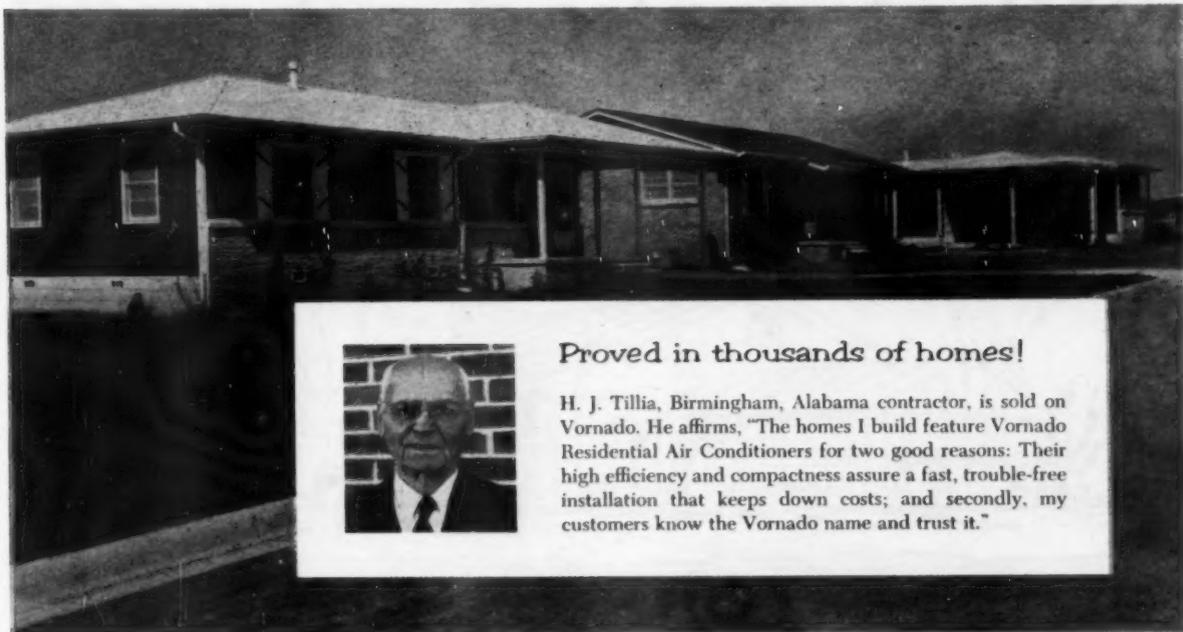


**COMBINED THERMOSTAT** and two-pole switch from Wesix. Model DLV gives sensitive direct control of electrical heating cable, of non-automatic heaters, duct heaters, other electrical heating units. Rated at 25 amps, 240 volts. Wesix Electric Heater Co., Dept. AB, 390 1st St., San Francisco 5, Cal. (No. 5016, p. 132.)



**ELECTRICAL CONTROL** by "Weather Minder." Mounted outside home, the thermistor unit signals temperature changes to control panel that serves as central control between room thermostat, outdoor unit, heating equipment. Detroit Controls Corp., Dept. AB, 5900 Trumbull Ave., Detroit, Mich. (No. 5017, p. 132.)

Preferred by builder...and customer alike!



Proved in thousands of homes!

H. J. Tilia, Birmingham, Alabama contractor, is sold on Vornado. He affirms, "The homes I build feature Vornado Residential Air Conditioners for two good reasons: Their high efficiency and compactness assure a fast, trouble-free installation that keeps down costs; and secondly, my customers know the Vornado name and trust it."

# Vornado® Residential Air Conditioner...

*ideal for every home in every price bracket*

<p>Goes in crawl space</p>	<p>Installs Anywhere</p> <p>Can be connected with the heating system or installed separately with prefabricated Vornaduct.</p>
<p>Goes in attic</p>	
<p>Goes in basement</p>	

## VORNADO INSTALLS EASIER PERFORMS BETTER

- \* **Complete Package.** Vornado puts air conditioning in self-contained, air-cooled package. No extra plumbing, water connections, outside accessories.
- \* **Twin System.** Two hermetically sealed, heavy-duty compressor units deliver unequalled capacity.
- \* **Factory Warranty.** Assures satisfactory service. Over 7 million satisfied Vornado users.
- \* **FHA - VA.** Meets all FHA and VA requirements.

VORNADO HELPS YOU SELL! Dramatic... attention-compelling merchandising sales aids are available to help you, including...

HANDOUT PIECES • EXTERIOR SIGNS • INTERIOR MOBILES  
DECALS • PUBLICITY STORIES • AD LAYOUTS

Product of The O. A. SUTTON CORPORATION, INC., Wichita, Kansas

*World's leading full line manufacturer of comfort cooling appliances*

send this coupon today

AB-5

The O. A. Sutton Corporation, Inc. 1812 West Second Street, Wichita, Kansas.

I want complete information on your new versatile low-cost Vornado Central Air Conditioners. It is understood there is no obligation.

Name \_\_\_\_\_  
 Firm \_\_\_\_\_  
 Position \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ State \_\_\_\_\_

# What makes a home



Time was, a house was built of brick, lumber and glass. Today a house is made of brick, lumber, glass and BRANDS. If not, it will probably never be a home. For BRANDS now are the standard for the American public. Today's consumer is at home with the BRANDS he knows, trusts, looks for. Whose roof? Whose heating? Whose refrigerator? Whose washer? Whose range? Is there adequate wiring for all of today's electrical appliances? These are questions prospects ask and progressive builders can answer with ease . . . their homes have the quality and appeal of BRAND names. They know what makes a home BRAND new!

The Saturday Evening Post has built more brand names than any other magazine in America . . . especially in the building field. The outstanding companies listed here continually keep prospects aware of their BRAND names through the pages of the Post.

# BRAND new ?

## Current advertisers of building and related products in the Post

- |  |   |   |
|--|---|---|
| Admiral Corporation  | Edison Electric Institute                       | Norge Sales Corporation, Sub. of Borg-Warner Corporation                      |
| Airtemp, Div. of Chrysler Corporation                        | Eureka Williams Corporation                     | Owens-Illinois  |
| Allegheny Ludlum Steel Corporation                           | Fairbanks, Morse & Company                      | Parker Rust Proof Company   |
| Aluminum Company of America                                  | Fedders-Quigan Corporation                      | Philco Corporation  |
| Amana Refrigeration, Inc.                                    | Frigidaire Div.,<br>General Motors Corporation  | Pittsburgh Plate Glass Company  |
| American Kitchens,<br>Div. Avco Mfg. Corporation             | General Electric Company                        | Ponderosa Pine Woodwork   |
| American Radiator & Standard<br>Sanitary Corporation         | Glidden Company, The                            | Portland Cement Association   |
| Anchor Post Products, Inc.                                   | Hamilton Mfg. Corporation                       | Reardon Company, The  |
| Armco Steel Corporation                                      | Hobart Mfg. Company, The                        | Republic Steel Corporation  |
| Armstrong Cork Company                                       | Hotpoint Company                                | Research Products Corporation   |
| Armstrong Furnace Company                                    | Iron Fireman Mfg. Company                       | Rheem Mfg. Company  |
| Autoyre Company, The, Sub. of<br>Ekco Products Company       | Jasco Aluminum Products Corp.                   | Rust-Oleum Corporation  |
| Belden Mfg. Company  | Johns-Manville Corporation                      | Sherwin-Williams Company, The   |
| Ben-Hur Manufacturing Company                                | Kaiser Aluminum & Chemical Corp.                | Show-House  |
| Bird & Son, Inc.   | Kelvinator Div.,<br>American Motors Corporation | Simpson Timber Company  |
| Borg-Warner Corporation                                      | Kennecott Copper Corporation                    | Speed Queen, Div. of<br>McGraw-Edison Co.                                     |
| Carrier Corporation  | Kentile, Inc.                                   | Standard Dry Wall Products, Inc.  |
| Cast Iron Pipe Research Association                          | Kohler Company                                  | Sutton, O. A., Corporation, The   |
| Celotex Corporation, The                                     | Lennox Industries, Inc.                         | Thermador Electrical Mfg. Company   |
| Chase Brass & Copper Company                                 | Lindsay Company, The                            | Universal Atlas Cement Company,<br>Sub. of<br>United States Steel Corporation |
| Culligan, Inc.   | Low Brothers Company, The                       | Westinghouse Electric Corporation   |
| Curtis Companies, Inc.                                       | Masonite Corporation                            | Weyerhaeuser Sales Company  |
| Delco Appliance Div.,<br>General Motors Corporation          | Maytag Company, The                             | Weyerhaeuser Timber Company   |
| Douglas Fir Plywood Association                              | Minneapolis-Honeywell<br>Regulator Company      | Wheeling Corrugating Company  |
| Dow Chemical Company, The                                    | Moe Light Div.<br>Thomas Industries, Inc.       | Wilhelm, A., Company  |
| Easy Washing Machine, Div. of<br>The Murray Corp. of America | National Gypsum Company                         | Wiremold Company, The   |
|  | National Lead Company                           | Yale & Towne Mfg. Company   |
|  |   | York Corporation  |

LIVE BETTER...Electrically



The Saturday Evening  
**POST**

A CURTIS MAGAZINE

MAY 1957

America reads the Post



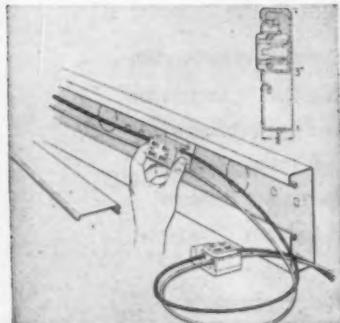
◀ **JOB STARTED:** Baseboard-style electrical strip assures a flexibility of outlet location for homeowner. Going in here: Plugmold system, used by Allen Construction Corp. near Harrisburg, Pa. First photo (left) shows Plugmold base fastened to wall; electrician splicing feed wire to run from control panel to Snapicoil. Outlets every 60 inches.

**JOB FINISHED:** connection made, the receptacle is snapped into holecut and secured with device clip; then Snapicoil and holecut cover are secured over assembly. Prime coat simplifies painting job. From Wiremold Co., Dept. AB, Hartford, Conn. (Circle No. 5018 on page 132.)

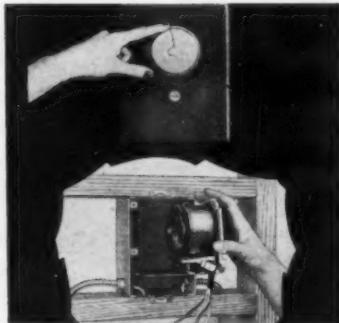


**Wiring devices:**

**Lighting convenience: easy to have**



**NEW OR OLD** construction will take this Baseduct system which combines multi-outlet assembly with a deep raceway in its lower area for all normal branch circuit requirements. Duplex receptacle on 30" or 60" centers. National Electric Products Corp., Dept. AB, Gateway Center, Pittsburgh 22, Pa. (No. 5019, p. 132.)



**LIGHT CONTROL EASE** from compact Luxtrol unit with rotating contact arm which allows any desired lighting intensity from darkness to full brightness by turning knob. Housed in metal wallbox with tapped holes on all sides. Superior Electric Co., Dept. AB, 3037 Deemers Ave., Bristol, Conn. (No. 5020, p. 132.)



**EASY-TO-FIND** light switchplate uses a Panelucous lamp to show the way. Offered now as a replaceable unit for existing switchplates. Panelucous lamp is of porcelainized steel, coated with a ceramic-phosphor mixture. Sylvania Electric Products, Dept. AB, 1740 Broadway, New York 19, N.Y. (No. 5021, p. 132.)

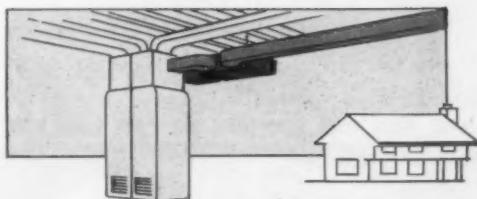
# Stimulate new home sales with REVOLUTIONARY CENTRAL AIR CONDITIONER

## Save hundreds of dollars by specifying

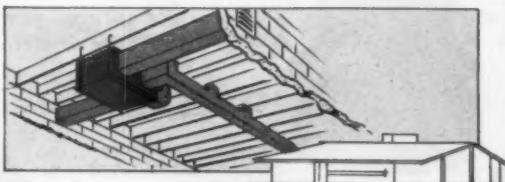
# FEDDERS

# Adaptomatic

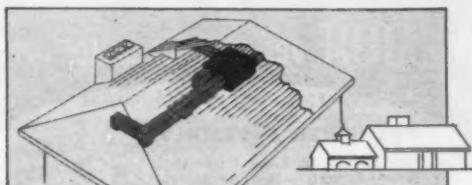
LOCATES ANYWHERE . . . IN  
ANY TYPE OF HOUSE



CAN CONNECT TO WARM-AIR SYSTEM utilizing same ducts for heating and cooling to slash costs.



IN CRAWL SPACE, UTILITY ROOM where attic or basement is not available. So compact it takes little space.



IN ATTIC OR GARAGE ROOF. Can be located for minimum duct work to reach all rooms.

# FEDDERS

World's most-wanted, most-enjoyed air conditioner

Now, you can use the sales-closing appeal of whole house air conditioning as standard equipment in every house you build. The Fedders Adaptomatic is priced far below conventional air conditioners . . . installs for hundreds of dollars less, too.

An all-in-one unit that is completely assembled and tested at the factory, the Adaptomatic is ready to work when delivered. No need for separate outside and inside units that have to be connected by long hermetic lines and charged with refrigerant at the site. No need for water lines or cooling towers.

Unlike other all-in-one air conditioners that are basically overgrown window units, the Fedders Adaptomatic requires no large openings in outer walls, no extra structural work. Its revolutionary system of Pressurized Condenser Air employs a powerful dual-centrifugal blower to push-pull outside air to any interior installation point. Therefore, it can be installed anywhere.

The Adaptomatic connects to any warm air heating system . . . fits into attic, crawl space, utility room. Its time-saver split chassis design facilitates installation and service in cramped quarters.

Get the facts today. Call your local Fedders distributor or mail the coupon below for complete specifications on the 2-ton and 3-ton Adaptomatic.

SEND FOR SPECIFICATIONS FOLDER!

FEDDERS-QUIGAN CORP.—Dept. AB-57  
Maspeth 78, New York

Gentlemen: Please send me, without obligation, complete information on central air conditioning with Fedders Adaptomatic.

PLEASE PRINT

NAME.....

STREET ADDRESS.....

CITY..... STATE.....



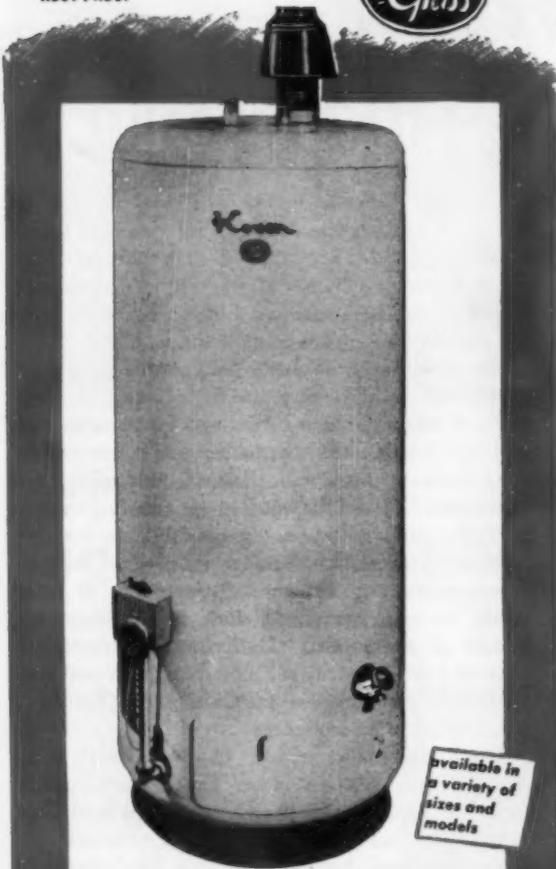
THE FAST SELLING AUTOMATIC

# GAS or ELECTRIC

WATER HEATERS

by  
**Koven**

POSITIVELY CANNOT CHIP, CRUMBLE, OR CRACK  
HIGH PRESSURE RESISTANCE  
SAFER—LONG-LASTING  
NO EXPOSED STEEL  
RUST-PROOF

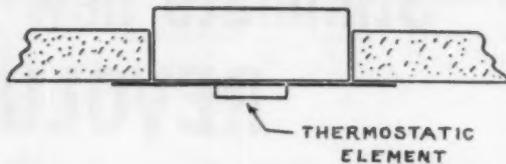


available in  
a variety of  
sizes and  
models

**OTHER FEATURES of KOVEN SUPER GLASS**  
lower fuel costs • 100% automatic  
safety • smart looks • sturdy con-  
struction • long-life 355 lb. test tank  
• trouble-free operation • precision  
engineering

Nationally advertised

**L. O. KOVEN & BRO., INC.**  
154 OGDEN AVE., JERSEY CITY 7, N. J.  
PLANTS: JERSEY CITY, N. J. • DOVER, N. J. • TRENTON, N. J.



THERMOSTATIC  
ELEMENT

## SELL HOMES FASTER!

This one-half inch fire sensitive element is all that need show below the ceiling when you install Underwriters' approved Life Saver Thermostats in your house.

You must have noticed how fast a house sells when equipped with a fire detection system. Always be prepared to tell the new purchaser how little it costs to get this valuable protection against fire in his new home.

WE SOLICIT INQUIRIES

FIRE ALARM THERMOSTAT CORP.

57 West 23 Street

New York 10, N.Y.



Model 505 ...  
**SCALLOPED HI-SPOT**  
for R30 and 40 PAR LAMPS ...

Dainty black lace design  
combined with rugged, precision  
manufacture.

Can is heavy gauge  
drawn aluminum.

Plaster ring  
and Greenfield  
included.

another **ATLITE** designed for better lighting

### PRE-WIRED ASSEMBLY

Fast, Easy Installation. Reduces inventory.  
Drive four nails — turn the screws.  
It's up — without carpentry! Available in  
six sizes. Carry only what you need.

Order from your jobber—or write for  
literature and competitive price list.



**ATLAS**

ELECTRIC PRODUCTS CO.

319 Ten Eyck St., Brooklyn 6, N. Y.





## smart modern appearance

helps make **CHROMALOX** Electric Baseboards the Quality Line

Homeowners are quick to appreciate the clean, streamlined styling of Chromalox Electric Baseboard Heaters . . . and their smooth, uncluttered flow from wall-to-wall and around corners.

With factory-primed surface, they're ready to paint in any color desired. No need to convince Mrs. Homemaker that one of 27 shades of white or other factory colors "will look just fine."

The *top-front* warm air discharge — another Chromalox quality design feature — avoids messy wall streaking . . . makes the world's cleanest heat just that.

The baseboard idea itself is strictly a quality heating idea. None other gives the genuine comfort of baseboards . . . that put heat along out-

side walls and windows where most heat loss occurs.

And the silent, finless Chromalox strip element cannot catch or char dust, dirt and lint, will never sag.

Available in four practical lengths. Two adjacent connections wire-up 16 feet of heat. Simply attached and connected. Wiring from bottom, back or either side. Built-in thermostat and convenience outlet sections also available.

Write for more details today — mention Bulletin 800A.



**Edwin L. Wiegand Company**

RESIDENTIAL HEATING DEPARTMENT

7870 Thomas Boulevard, Pittsburgh 8, Pa.

*Heat Better . . . Electrically*

**You save  
hours  
on  
every  
job**



with  
**ONAN portable ELECTRIC PLANTS**

When you can't use motor-driven tools you lose profits *fast*. An Onan Electric Plant gives you plug-in electricity *anyplace, anytime* . . . no waiting for highline hookups . . . no long extension cords to get fouled up.

Onan 4-cycle electric plants feature split-second starting, long-life, and all-round dependability . . . with a big weight saving over usual 4-cycle units. The model 205AJ-1P pictured

above delivers 2,500 watts . . . enough for several saws, drills or other tools and all the lights you need . . . yet it weighs only 139 pounds. Model 105AK-1P delivers 1500 watts . . . weighs only 125 pounds.

Onan portable units are completely Onan-built with Onan engines direct-connected to Onan all-climate generators. They are compact, sturdy . . . and they run longer with minimum servicing.

WRITE FOR FOLDER SHOWING PORTABLE MODELS

**D. W. ONAN & SONS INC.**



2521 UNIVERSITY AVE. S.E. • MINNEAPOLIS 14, MINNESOTA

**Builders, Contractors like to Sell, Install  
these New Radio-Intercom Systems**

*Fanfare* **MUSI-TALK**



**Sell . . . because MUSI-TALK adds to the value and sales-appeal of every house. It's the "big extra" certain to clinch a sale!**

**Install . . . because MUSI-TALK installation kits and electronic kits may be purchased separately thus saving 3/4 on original investment. There is no warehousing problem.**

- 6-Tube, trouble-free, printed circuit radio
- Direct remote-to-remote communication
- Remote stations can originate calls
- Smartly styled in brushed copper

Complete MUSI-TALK system consists of installation kit (plaster boxes, 200 ft. of wire and hardware) and electronic kit (1 master control, 4 indoor remotes and 1 door remote) **\$149<sup>95</sup>**

Write for FREE catalog MT for complete details—and literature on other Fanfare intercoms for home and industry. Territories available for distributors.

**FANON ELECTRIC CO., INC.**

MFRS. OF "FANFARE" INTERCOMS AND PHONOGRAPHS  
**98 BERRIMAN ST., BROOKLYN 8, N. Y.**

In Canada: Active Radio & TV Dist., 58 Spadina Ave., Toronto

**American  
Builder**

**New products**

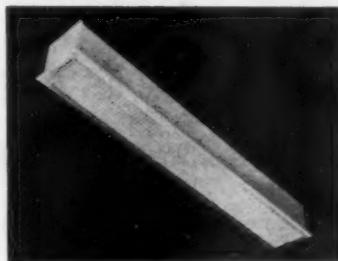
**INDOOR LIGHTING**



**High output, low cost  
lighting fixture**

A shallow built-in lighting fixture, designed for 150 W lamps, that does not require special wiring, is now available. This lighting fixture comes complete with Kirlin glass-surfaced aluminum mirror reflector. It is only 12 inches square, approximately the size of a ceiling tile. The special prism lens allows a wide spread to the light, and the total light output is exceptionally high—well over 70 per cent. Prices vary depending upon size. Kirlin Co., Attn. L. M. Kirlin, Dept. AB, 3435 E. Jefferson Ave., Detroit 7, Mich.

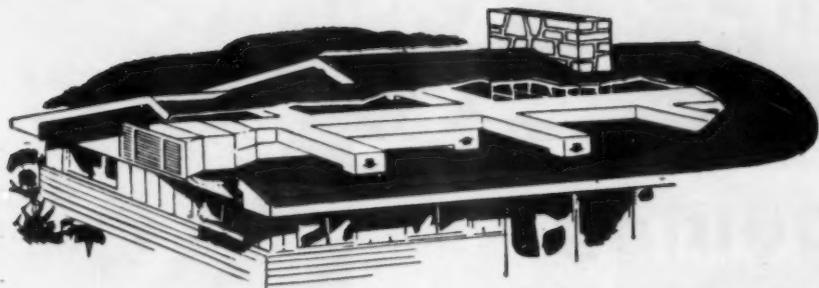
Circle No. 5022 on reply card, p. 132



**Attractive yet economical  
recessed fixture**

Uni-Lites, a series of one-lamp shielded fixtures for recessed and surface mounting has recently been added to the Electro-Silv-A-King line. Pictured is the recessed Uni-Lite which has a lay-in diffuser and uniform width end and flange trim designed to present a trim, smooth appearance. Also features adjustable hangers for various ceiling types. Fixtures come completely assembled. Further information available from Electro-Silv-A-King Corp., Dept. AB, 1535 S. Paulina St., Chicago, Ill.

Circle No. 5023 on reply card, p. 132



# SAVE UP TO 50% ON TODAY'S MOST DYNAMIC HOME-SELLING FEATURE —*Central Air Conditioning!*

New air-cooled packaged system  
now available with **LOW COST**  
**AMERICAN-Standard** pre-fabricated  
aluminum-clad fibre glass ductwork



Never before has such a small investment packed so much extra *sell* into a house! Central air conditioning—now cut as much as 50% in cost by American-Standard's new air-cooled package unit and pre-fab ductwork—doesn't just sit there looking pretty. It's dynamic . . . it breathes cool comfort . . . it whets your buyer's desire for quick possession of the house!

This is a *twin-compressor* unit—delivers 24-hour-a-day comfort. A single compressor maintains proper humidity and temperature on normal sum-

mer days; on extremely hot days both compressors operate to insure complete comfort.

Just order it as a completely installed system. No problems! No grief! Your local American-Standard Air Conditioning specialists do the whole job, furnishing the new Model ACP (covered by 5-Year Protection Plan) in either a 2 hp or 3½ hp size . . . whichever is more economical, all house construction factors considered.

Call them today and talk it over!

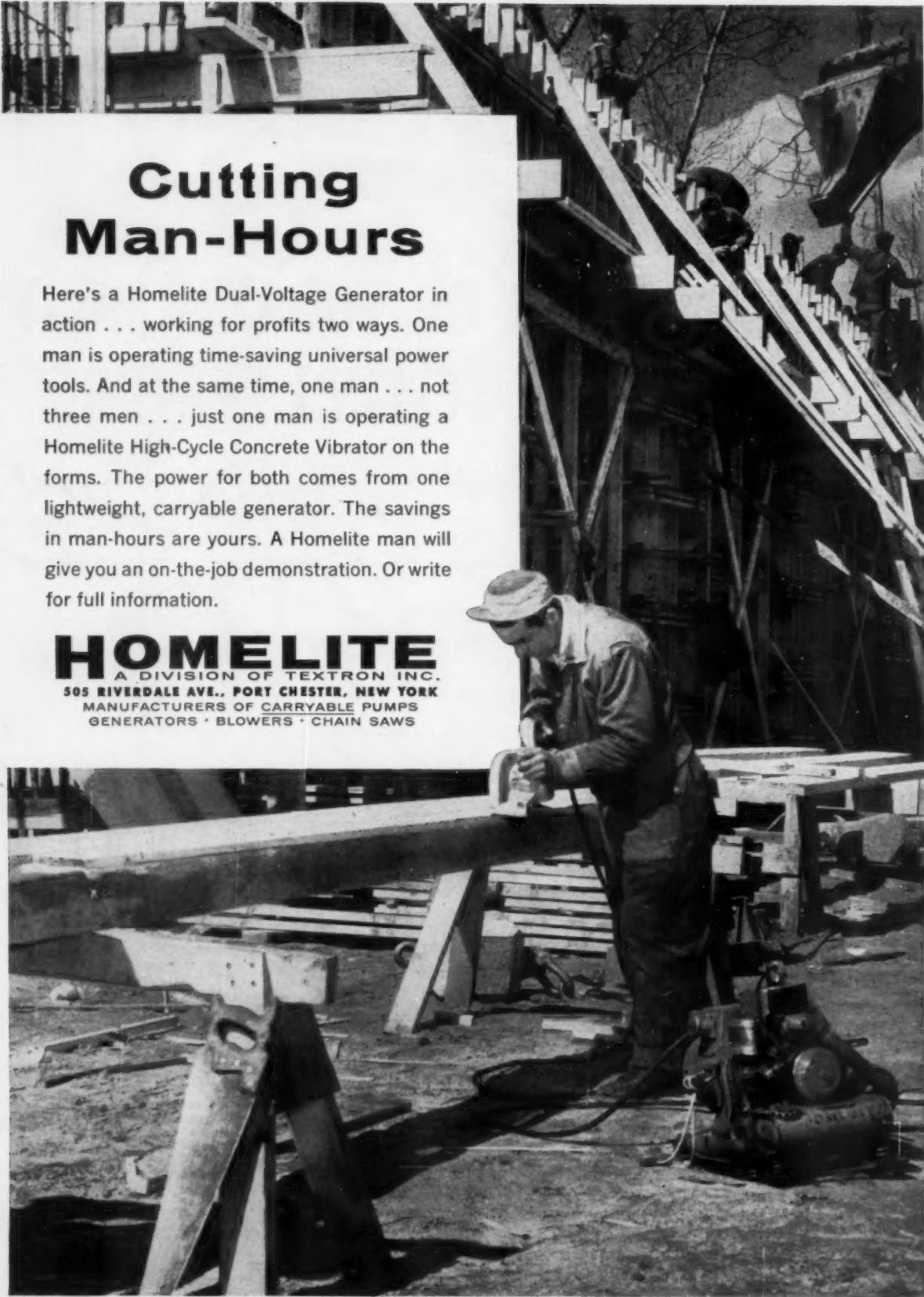
#### SPECIAL AMERICAN-STANDARD PROMOTION PLAN HELPS YOU SELL AIR CONDITIONED HOMES

Ask your local American-Standard Air Conditioning specialist for details on liberal promotion plan covering newspaper ads, direct-mail material, model home billboards and display cards, and newspaper publicity.

## AMERICAN-Standard

AIR CONDITIONING DIVISION  
ELYRIA, OHIO





## Cutting Man-Hours

Here's a Homelite Dual-Voltage Generator in action . . . working for profits two ways. One man is operating time-saving universal power tools. And at the same time, one man . . . not three men . . . just one man is operating a Homelite High-Cycle Concrete Vibrator on the forms. The power for both comes from one lightweight, carryable generator. The savings in man-hours are yours. A Homelite man will give you an on-the-job demonstration. Or write for full information.

**HOMELITE**  
A DIVISION OF TEXTRON INC.  
505 RIVERDALE AVE., PORT CHESTER, NEW YORK  
MANUFACTURERS OF CARRYABLE PUMPS  
GENERATORS • BLOWERS • CHAIN SAWS

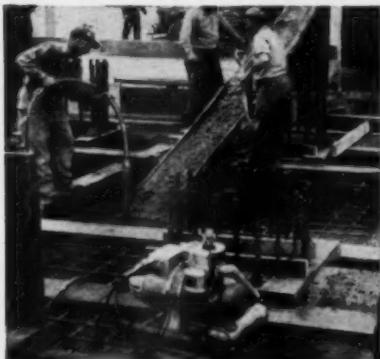
## Full Line of Carryable Construction Equipment Now Offered by Homelite



**Carryable Diaphragm Pump . . .** This self-priming, 120 pound diaphragm pump will handle water in the thickest sand, muck, or mud. Capacity: 5,000 g.p.h. Size: 3". Complete line of centrifugal pumps are also available in sizes from 1½" to 3".



**Chain Saws For Every Job . . .** Now you can choose from a full line of lightweight, powerful Homelite chain saws. From 3½ to 7 horsepower . . . 19 to 29 pounds. Brush cutting and clearing attachments are available to handle all your cutting jobs.



**One-Man Electric Vibrator . . .** It takes only one man to place concrete with powerful, Homelite high-cycle or universal electric concrete vibrators. Carryable Homelite generator provides power for high-cycle vibrators and 110 volt DC for all universal vibrators, tools and floodlights.

# HOMELITE

a division of Textron Inc.  
PORT CHESTER, NEW YORK

MAY 1957

## American Builder New products

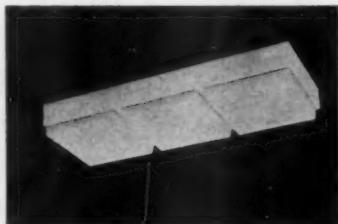
### INDOOR LIGHTING



#### Three-light fixture for dramatic accent

Outstanding among advanced lighting fixture designs announced by Virden is the dramatic three-light fixture. Decorative as well as functional, fixtures are available in black, brass or copper, and polished aluminum. Included are single, double and triple indoor hanging units with matching wall fixtures. Hanging units are supported by attractive white drop cords variable in lengths for unusual effects. Also included in this line are two flush ceiling fixtures which are decorative yet give maximum light. John C. Virden Co., Dept. AB, 6103 Longfellow Ave., Cleveland 3, Ohio.

Circle No. 5024 on reply card, p. 132



#### Modular light fixtures look custom-built

The functional group of modular light Calculites stress clean crisp lines and a built-in look. Fixtures have shallow white metal sides which may be painted to match the ceiling to heighten the custom-built appearance. Designs range from a single incandescent square to the four-light modular square pictured above. Calculite furnishes as much illumination as the two-foot-long fluorescent fixture, while at the same time preserving the flattering qualities of incandescent lighting. Lightolier Inc., Dept. AB, Jersey City, N. J.

Circle No. 5025 on reply card, p. 132

## THE MOST USEFUL ELECTRONIC PRODUCT ON THE HOME MARKET!

# TALK-A-RADIO



### NO HOME IS "REALLY MODERN" WITHOUT A BUILT-IN TALK-A-RADIO RADIO-MUSIC-INTERCOM

This exciting new Talk-A-Radio has everything—all of the finest electronic luxuries of radio, combined with music and room-to-room intercom.

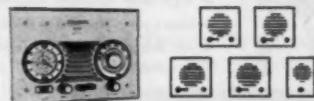
It's the SAFE, CONVENIENT way to answer the door, "sit" with the baby, monitor any room in the house, and save a "million steps a day".

#### LOADED WITH EXTRAS!

Complete selectivity of rooms is yours with Talk-A-Radio. Calls may be originated or answered from any room, without pre-setting the master unit. The person answering an intercom call does not have to move to the speaker-mike to communicate . . . all switching is done by caller. Automatic timer turns radio on or off . . . even operates an appliance, automatically!

## THE BUILDER'S FAVORITE (and most effective)

# Selling Tool! TALK-A-RADIO



- Builders everywhere acclaim Talk-A-Radio's "selling power" in attracting customers and closing sales!
  - Complete Radio and Room-to-Room Intercom for SIX or more rooms . . . with appliance outlet and phono-jack.
  - Low in Cost! Easy to Install!
  - Available in 14 Decorator Colors!
- Model 1008-U, U. L. approved, RCA licensed.

**TALK-A-RADIO** MFG. CORP.  
5641 DYER ST. DALLAS, TEXAS

# PROFIT MORE! PLEASE MORE! with

**ELECTROMODE** "BUILT-IN"  
**ELECTRIC HEAT**



## Electromode BASEBOARD HEATING Fits Anywhere

Most modern, most flexible heat in the world! And most wanted by homeowners! Radiant warmth along outer walls and under windows. Clean and convenient. Neat, trim baseboard units completely out of the way. Matching fittings for uniform appearance throughout the room.



### Electromode WALL TYPE Heater For The Bathroom

Comfort is "built-in" with an Electromode Bathroom Heater. Immediate, fan-circulated heat. Chrome or white enamel finish. Smart, modern appearance adds to beauty of the bathroom.

#### EASY-TO-INSTALL • COMPLETELY SAFE

ONLY Electromode heaters are equipped with a sealed-in, CAST-ALUMINUM HEATING ELEMENT. Absolutely no glowing elements or exposed open coils. Tops in safety, efficiency and economy.



Included in Electromode Line Are:

- Wall and Portable Heaters • Panel Heaters
- Baseboard Heaters • Radiant Cable Heat
- All With Automatic Room Temperature Control

**ELECTROMODE**

Division Of  
COMMERCIAL CONTROLS CORPORATION

"Leaders in Electric Heating Since 1929"

Mail The Coupon TODAY  
Get All The Facts!

Electromode Division, Commercial Controls Corporation  
Dept. AB-57, 45 Crouch St., Rochester 3, N. Y.  
Please send me your FREE brochure on the complete Electromode line of electric heaters for homes.

Name.....  
Address.....  
City.....State.....



# Look-

In planning a bathroom  
You've never had it  
so good

a **Broan** No. 600

**Ventilating Fan**  
for wall or  
ceiling mounting

only  
**\$19.25**  
List

and fully  
guaranteed



Here's the newest news in fans, and certainly the best of news for you . . . a bathroom fan that can be mounted in any conventional wall — or ceiling. Installation is simple; you just nail it in place. Exhaust air is carried in regular 3" standard round pipe; outside venting is by a Broan No. 640 wall cap.

This means that for little more than pennies you can upgrade every bathroom or inside powder room — make it fully modern. In contract bidding you provide yourself with a big price advantage — yet offer a fully guaranteed, whisper-quiet fan.

It's made by Broan — a successful, well-rated company who make residential ventilating equipment and nothing else. Write today for full information, detailed diagrams on installation, and the name of the Broan distributor in your area.

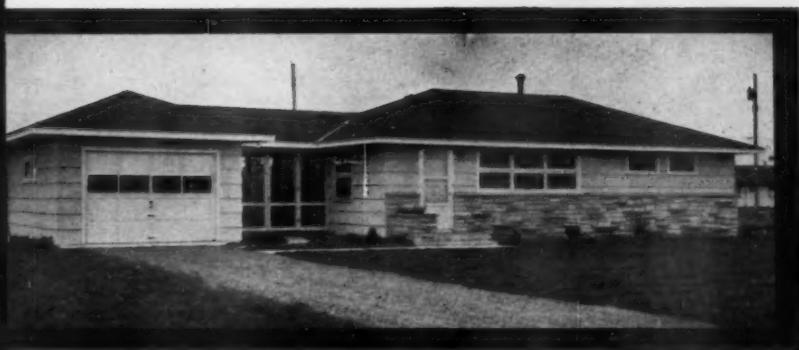
**Broan** MANUFACTURING CO., INC. 938 W. State St.  
Hartford, Wis.  
Specialists in quality ventilating equipment for 25 years. near Milwaukee

FROM NORTH TO SOUTH

# PROOF

## Edwards Home Fire Alarm sells houses!

*three successful builders feature Edwards*



Typical home built by Standard Construction Company, Minneapolis



Hal Anderson Home Designed and built for Mr. C. Baird, President, Braniff Air Lines

The Standard Construction Company of Minneapolis builds \$13,000 to \$25,000 homes. After featuring the Home Fire Alarm in a large tract of homes, Standard was so pleased that they immediately made plans to include this proven feature in another 140 homes. Standard spokesman John Lewis called the Home Fire Alarm "the finest promotional feature we've ever installed..."

"We earnestly believe that the (Edwards Home Fire Alarm) system is a necessity in every modern home. And, use the fact in our sales pitch. The safety factor is always an asset to our sales potential." That's what Mr. George Baker, Sales Manager of Forest Park Homes in Nashua, New Hampshire, says about the 135 Edwards Home Fire Alarms he's installed in his Forest Park homes.

Texas builder Hal Anderson specializes in \$100,000 homes. And every one features the Edwards Home Fire Alarm. Says Mr. Anderson, "My buyers expect the best in the homes they buy from me. So naturally I install Edwards Home Fire Alarm. They provide peace of mind for the purchaser as well as providing me with a fine selling point. I'm sold on Edwards!"

Follow the lead of these builders. You too can benefit from the remarkable selling power of the Edwards Home Fire Alarm. And to help you take full advantage of this highly promotable feature, Edwards has prepared a complete hard-hitting selling kit that includes identification material for the model home front, eye-catching signs for the interior and handsome, colorful consumer folders. Plus an entire package of publicity material to keep the builder in the public eye! And there's an attention getting colorful display demonstra-

tor for on-the-spot demonstrations! It actually allows the prospective buyer to make his own test of the Home Fire Alarm...sells him by showing the actual operation of this sure-fire feature! For the full story on the Home Fire Alarm, contact your electrical contractor or write Dept. AB-4, Edwards Company, Inc., Norwalk, Connecticut. (In Canada: Edwards of Canada, Ltd., Owen Sound, Ontario).

And remember the Edwards Zonalarm for larger homes ...warns when fire occurs, tells its exact location.



N.E.C.A. "All Electric" Model Home  
built by Jim Mathews, Spokane,  
Washington—protected by an Edwards  
Fire Alarm System.

# EDWARDS



## ROTO-GLO PUTS A BUYING GLOW IN EVERY PROSPECT'S EYE

At Terrace Lake Gardens, a 300-home development built in Kansas City, Roto-Glo quiet switches have been installed throughout. Kent McElhaney, Terrace Lake's Sales Manager specified Roto-Glo because he knew that any residential sales story is a *better story with Roto-Glo in it*. With their glow-in-the-dark feature and modern, distinctive good looks, Roto-Glo switches help buying impulses blossom into "SOLD" signs.

Remember, Roto-Glo is backed by the largest advertising and merchandising campaign in wiring device history. *Your prospects know Roto-Glo* — P&S national advertising has won Roto-Glo national acceptance. You, too, can cash in on Roto-Glo popularity. For a complete, *free* supply of Roto-Glo mobiles, display cards, switch tags and other selling aids, see your wholesaler or write us direct to Dept. AB-10.



# SOLD!



**PASS & SEYMOUR, INC.**

SYRACUSE 9, NEW YORK

60 E. 42nd St., New York 17, N. Y. 1440 N. Pulaski Rd., Chicago 51, Ill.  
In Canada: Renfrew Elec. & Refrig. Co., Ltd., Renfrew, Ontario

**MAKE THE COMPLETE JOB COMPLETELY P&S**



**American Builder** New products

### WIRING DEVICES



#### Convenient outlets are easy to install

Packaged wiring systems now make it possible to have multiple electric outlets wherever they are needed. No wires are necessary for installation as each 16-inch unit is pre-wired in fire-resistant plastic and is completely shockproof. Multiple outlets can be mounted on any wall, and along counter tops and top facing edge of floor cabinets. Each section of wiring system contains two outlets and one special section is provided to join the wiring system to the electrical supply. More information available from A. H. Massey, Inc., Dept. AB, 111 Third St., Derby, Conn.

Circle No. 5026 on reply card, p. 132



#### Positive wiring protection with "Unit Breakers"

Protective devices, "Unit Breakers," provide positive protection for home wiring circuits. Designed to protect electrical systems between the walls; to open the circuit in case of dangerous overloads and short circuits. Small and compact, the fuseless breaker is tamper-proof. Attractively-styled gray case designed to blend with modern decorating schemes, permits mounting of the Unit Breaker in kitchen, hallway, or any other convenient location. More complete information available from Cutler-Hammer Inc., Dept. AB, 315 N. 12th St., Milwaukee 1, Wis.

Circle No. 5027 on reply card, p. 132



**It Cooks In Minutes Instead of Hours...  
Seconds Instead of Minutes!**

Today's kitchen sells the home—and here's the "something unusual" that is pulling home buyers out to homes and into kitchens.

Hotpoint's new Electronic Cooking Center offers a revolutionary method of cooking that draws excited attention wherever it is shown. Through the miracle of microwave, it cooks in *minutes* instead of hours, *seconds* instead of minutes—*automatically!* Even more amazing, only the *food* gets hot; non-reflective cooking utensils—such as china, glass and paper—and the inner walls of the Electronic Compartment remain cool to the touch.

You can *prove* these startling facts—and give your prospects a treat at the same time—with crowd-pleasing demonstrations. For instance, cook frozen fish bits in just 30 seconds. The food is thoroughly cooked, too-hot-to-handle—but the plate is cool! And that is just one of the many ways you can create *real* excitement in your new homes with the Hotpoint Electronic Cooking Center.



**creating the excitement  
that leads to sales...**

## **Hotpoint electronic cooking center!**



The versatile Hotpoint Electronic Cooking Center is also designed as a free-standing appliance. Deluxe wood-finished cabinets are available in a choice of light birch or dark mahogany.



**All-Calrod' Companion  
Oven**... while the balance of the meal is cooking in the Electronic Cooking Compartment, meats, fish or fowl can be quick-broiled in the All-Calrod Companion Oven. Broils 12 steaks to perfection in 10 minutes!

Put this traffic-building appliance to work selling your homes. Ask your Hotpoint Distributor's Builder Specialist for *all* the facts on the sensational Hotpoint Electronic Cooking Center. It offers the only really new cooking principle since the discovery of flame!

RANGES • REFRIGERATORS • AUTOMATIC WASHERS • CLOTHES DRYERS • DISHWASHERS • DISPOSALS® • WATER HEATERS • FOOD FREEZERS • AIR CONDITIONERS • CUSTOMLINE • TELEVISION  
**HOTPOINT CO.** (A Division of General Electric Company) 5600 West Taylor Street, Chicago 44, Illinois

# "This is exactly



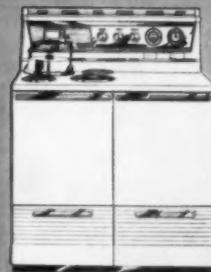
The Hotpoint Line is the Builder's Line of Appliances—offering you perfect combinations for homes in every price bracket!



Hotpoint Dishwashers offer Spot-Less Washing, Spot-Less Rinsing, Spot-Less Drying.



The widest variety of Built-In Models and Prices—5 Ovens, 7 Surface Cooking Units, 2 Refrigerators, 1 Freezer, 3 Modular Kitchens!



The Hotpoint Line of 9 Ranges offers the right model for every home—plus an Electronic Cooking Center.

Phone your nearest Hotpoint  
Distributor's Builder Specialist

ALA. Birmingham, BI 4-4521  
Mobile, ME 2-3511  
Montgomery, MO 5-8160  
ARIZ. Phoenix, AL 8-7881  
ARK. Little Rock, FR 5-1231  
CAL. Fresno, AD 7-4125  
Fresno, AM 8-4711  
Los Angeles, RA 3-8701  
Oakland, GI 1-5451  
Sacramento, GI 2-8976  
San Bernardino, SA 9-1071  
San Diego, BE 9-0271  
San Francisco, MA 1-5131  
COLOR. Denver, AM 5-0271  
CONN. Bridgeport, FO 8-1621  
Hartford, JA 5-0815  
DEL. Wilmington, OL 6-7761  
D. C. Washington, HU 3-6820  
FLA. Jacksonville, SI 5-2616  
Miami, NE 4-6194  
Orlando, OR 5-2043  
Tallahassee, TA 3-0874  
Tampa, TA 2-7179  
W. Palm Beach, TE 3-6844  
GA. Albany, HE 2-1581  
Atlanta, PL 5-5787  
Augusta, AU 3-7778  
Savannah, AD 6-0621  
ILLINOIS. Bensenville, BO 2-4501  
ILL. Chicago, HA 7-2860  
Rockford, RO 8-5716  
Springfield, SP 3-4509  
IND. Evansville, HA 4-7581  
Fort Wayne, E 6196  
Indianapolis, ME 4-8843  
Muncie, AT 4-1457  
South Bend, AT 8-4791  
Terre Haute, L 8322  
IOWA. Des Moines, DA 6-3551  
Des Moines, AT 8-2193  
Sioux City, SI 8-5588  
KANS. Kansas City, MA 1-4338  
Wichita, FO 3-6251  
KY. Louisville, ME 7-5411  
LA. Baton Rouge, BA 4-7093  
Lake Charles, HE 3-4229  
Monroe, 7821  
New Orleans, CA 6263  
Shreveport, SH 3-4505  
ME. Bangor, BA 2-4812  
Portland, SP 5-2381  
MD. Baltimore, CE 7-0516  
MASS. Boston, AL 4-2050  
Springfield, ST 8-0979  
Worcester, FL 4-3293  
MICH. Detroit, VE 8-8351  
Grand Rapids, GI 9-4452  
MINN. Duluth, RA 2-6685  
Minneapolis, ME 6-1621  
St. Paul, HI 6-2211  
MISS. Jackson, JA 4-2585  
MO. Joplin, MA 4-1875  
St. Louis, OL 2-2100  
Springfield, SP 2-4442  
NEBR. Omaha, HI 6073  
N. H. Manchester, NA 5-9754  
N. J. Newark, TA 4-1101  
N. MEX. Albuquerque, AL 2-0179  
N. Y. Albany, AL 4-1201  
Binghamton, BI 4-448  
Buffalo, CL 6020  
Buffalo, SU 7150  
New York, AL 5-6363  
Rochester, HA 6-4532  
Syracuse, YS 3-1111  
N. C. Asheville, AS 3-6650  
Charlotte, ED 2-8521  
Charlotte, ED 3-0566  
Fayetteville, FA 2-3641  
Greensboro, GR 5-3426  
Greenville, 7244  
Raleigh, TE 4-4372  
OHIO. Akron, JE 5-4143  
Cincinnati, MA 1-0600  
Cincinnati, RE 1-7185  
Cleveland, HE 2-2500  
Columbus, AX 1-4625  
Dayton, HE 4694  
Youngstown, RI 4-0122  
OKLA. Oklahoma City, MU 5-5585  
Tulsa, GI 7-3308  
OREG. Portland, CA 6-3776  
PA. Allentown, HE 4-9341  
Erie, ER 5-7501  
Harrisburg, CE 8-7303  
Philadelphia, WA 2-5405  
Philadelphia, GA 6-8800  
Pittsburgh, FA 2-1530  
Reading, RE 6-1581  
R. I. Providence, DE 1-3833  
S. C. Columbia, CO 6-0544  
Greenville, GR 2-2881  
S. DAK. Sioux Falls, SI 4-5621  
TENN. Chattanooga, AM 6-4795  
Knoxville, KN 3-4789  
Memphis, JA 5-8482  
Nashville, CY 7-7536  
TEXAS. Abilene, OR 2-2861  
Amarillo, DR 2-6778  
Arlington, CR 5-2696  
Austin, CR 8-6274  
Beaumont, TE 2-8484  
Corpus Christi, TU 4-6274  
Dallas, RI 2-8451  
El Paso, EL 3-3449  
El Paso, EL 3-7561  
Fort Worth, ED 5-4523  
Freeport, FR 3-3271  
Houston, CA 8-4571  
Port Arthur, YU 3-5628  
San Antonio, CA 7-9246  
UTAH. Salt Lake City, ES 9-8771  
VT. Burlington, ES 8-3301  
VA. Hampton, HA 3-0717  
Norfolk, VA 2-7189  
Richmond, RI 6-4948  
Roanoke, RO 4-2260  
WASH. Seattle, MA 2960  
Spokane, KE 5-1731  
W. VA. Bluefield, DA 5-6131  
Wheeling, CE 2-8400  
WIS. Appleton, RE 3-4020  
Milwaukee, BR 6-3822

# what I want!"

Women are different—and each one knows exactly what she wants in the kitchen of her new home.

Differing preferences and pocketbooks are no problem to the builder who uses Hotpoint. As a matter of fact, they're an advantage because he can give people just what they want—at the price they can afford.

There's a logical reason—the Hotpoint Line is the broadest and most versatile line of kitchen appliances in the world today.

If cost is important to one couple, you can meet any price competition with Hotpoint budget models—the finest dollar-for-dollar values in the low-price range.

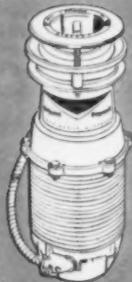
If the next couple wants the most advanced features and beauty in styling, you can offer them Hotpoint de luxe models, the finest in America.

To capitalize on the home-selling opportunities—and "selling up" profits—many builders now install two model kitchens. One features Hotpoint budget appliances, and one features Hotpoint de luxe appliances. Home buyers make their choice—and almost invariably they choose the added features of Hotpoint de luxe models. And that means added profit for you.

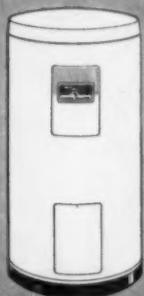
Contact your Hotpoint Distributor's Builder Specialist today—and he'll prove to you with facts and figures why Hotpoint offers you maximum profit opportunities!

**Hotpoint** (A Division of General Electric Company)

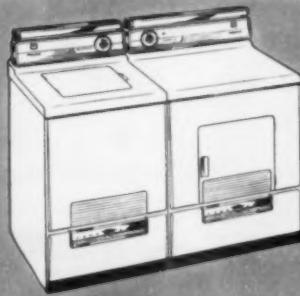
5600 West Taylor Street, Chicago 44, Illinois



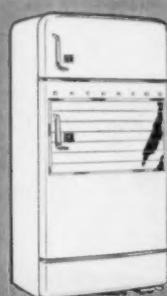
Famous Hotpoint Disposal® Food Waste Disposers in two models.



Electric Water Heaters in 3 styles—Built-in, Round, and Table-Top Models.



The Hotpoint Home Laundry Line—5 Washers, 7 Dryers, 1 Washer-Dryer combination, 5 style-matched pairs!



Hotpoint Out-Front Design highlights 2 Refrigerators, 7 Refrigerator-Freezers, 3 Chest Type, and 2 Upright Freezers.



Home-buyers know you're a *Quality Builder*



### Home-BUYERS' preference

for Hotpoint is built on their appreciation for Hotpoint's consistent superiority—in performance, in features, and in beauty.

### Home-BUILDERS' preference

for Hotpoint is based on enthusiastic public acceptance—simplicity of installation—solid merchandising support—and the widest variety of models and prices in the industry.

When you add these advantages to the competitive Hotpoint builder-pricing structure, you know why more and more successful builders are swinging to Hotpoint!

## Hotpoint COOKING CENTERS

The Customline offers you the right combination for homes in every price bracket. Your choice of five ovens—including de luxe Bi-Level Double Oven shown at left. Outstanding features include the Roast-Right Thermometer, Rota-Grill Rotisserie, Picture-Window Door, and Calrod® bake and broil units.

There are seven surface cooking units—including the 30" stack-on model with pushbutton and automatic controls shown at left.

Matching ovens and surface cooking units are offered in 5 Colortones, Coppertone, and Stainless Finish to harmonize with any kitchen decorating scheme.

# when you offer them Hotpoint Built-Ins

## Hotpoint MODULAR KITCHENS

Luxurious in appearance and features—yet they cut costs by simplifying installation and saving space! In just 9 or 7 feet—a complete meal preparation and clean-up center. In 5 Colortones.

- Automatic Super Oven with Rota-Grill Rotisserie.
- 4 Calrod® Surface Units, including raisable automatic unit under deep well cooker.
- Automatically-controlled Plug-in Griddle.
- De luxe pushbutton Dishwasher.
- Disposall® Food Waste Disposer (optional).
- One-piece, stainless-steel countertop and sink. Available separately for use with wooden cabinets.
- Roomy storage cabinets and drawers.

## Hotpoint REFRIGERATORS

The highlight of any kitchen! Matchless beauty in your choice of Stainless Steel, Coppertone or 5 glowing Colortone finishes. Designed to meet the needs of today's large families, yet occupy only 36" of wall width and 24" of depth. And, no special supports or separate compressor installation are required.

Big 12 cu. ft. Refrigerator-Freezer, matching upright Freezer and 10.8 cu. ft. Refrigerator—all offer a host of exclusive Hotpoint features.

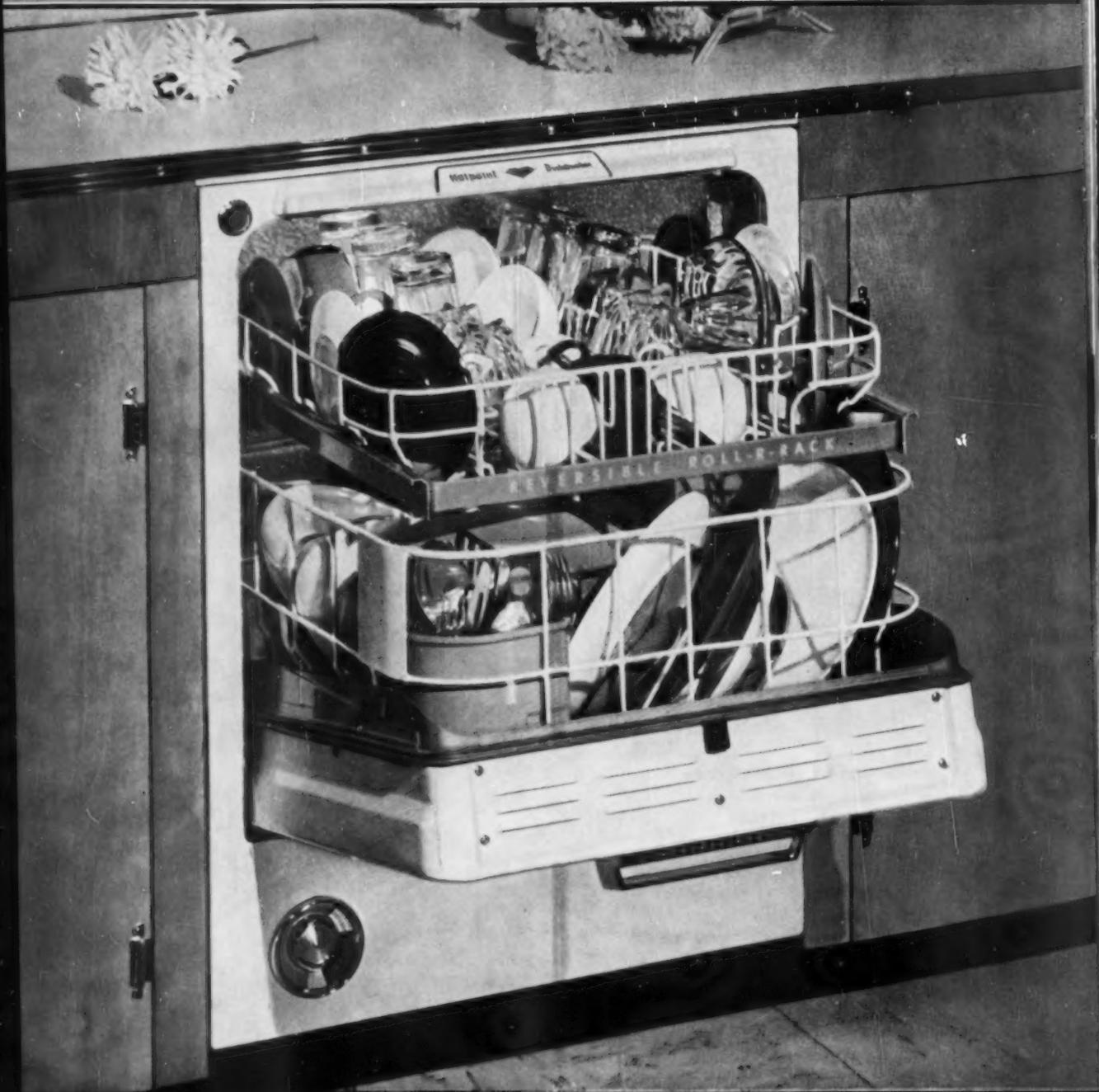
the Hotpoint Line  
is the Builder's Line  
of Built-Ins

... See Your Hotpoint Distributor's Builder Specialist—today!

look to Hotpoint  
for the finest...first!

CUSTOMLINE • RANGES • REFRIGERATORS • AUTOMATIC WASHERS  
CLOTHES DRYERS • DISHWASHERS • DISPOSALLS® • WATER HEATERS  
FOOD FREEZERS • AIR CONDITIONERS • TELEVISION  
**HOTPOINT CO.** (A Division of General Electric Company)  
5600 West Taylor Street, Chicago 44, Illinois

*Only* **FAMOUS**  
**Hotpoint dishwashers offer**



Roll-R-Racks roll out separately for easy loading—hold complete service for eight—and are preferred better than 4 to 1 over ordinary racks!

# all of these advantages...

## ...TO HOME-BUILDERS

The matchless performance and superior value of Hotpoint Dishwashers are well established facts in the minds of home-buyers. That's why they know you're a "quality builder" when they see Hotpoint Dishwashers in your kitchens.

Hotpoint Dishwashers bring maximum sales appeal to your homes—and maximum satisfaction to the people who buy them! AND they're the fastest and easiest to install. Just "rough in" plumbing and wiring—shove dishwasher into place—and make all connections from the front. 24" wide, 25" deep, 34½" high. Gravity-drain and pump-drain models. 115-volt, 60-cycle AC.

## ...TO HOME-BUYERS

People are pre-sold on Hotpoint Spot-Less Washing that makes dishes sparkle, glasses gleam, silver glisten!

They want Hotpoint because of these features . . .

**Automatic pre-rinsing**—no need for hand-rinsing.  
**Spot-Less Washing**—fresh detergent is automatically released in each of two separate washes.

**Spot-Less Rinsing**—super-wetting agent is automatically injected into second of two rinses—prevents drops from forming to dry as spots.

**Spot-Less Drying**—in pure, electrically heated air.

Available in 8 beautiful finishes—5 Colortones . . . White . . . Coppertone . . . Stainless Steel.

PROSPECTS WELCOME THE SIGHT OF THESE TWO GREAT HOTPOINT APPLIANCES!



DEPENDABLE



QUIET

### Hotpoint ELECTRIC WATER HEATERS

New, low-cost Hotpoint Built-Ins can be installed *anywhere* nearest their point of use—under counters, in closets, in "dead corners" of L-shaped kitchens. No long pipe runs!

Also available are free-standing round and table-top models, Quick-Recovery Super Speed units, and cement-lined Perma-Stone models.

Hotpoint-built water heaters have proved their superior performance in 1,500,000 homes . . . and in 40 years, only 3 out of every 1000 have ever required service of any kind.

### Hotpoint DISPOSALL® food waste disposers

Hotpoint Disposalls offer the final proof that you've "gone all the way" in providing perfect homes. Disposalls are famous for their thorough grinding, quiet operation, jam-free design and long life.

Two models—the low-cost, continuous feed MW11 and the custom MW12 with convenient Switch-Top that turns Disposall on and off and doubles as sink stopper.

Food waste disposers are a "must" for the modern kitchen—so give home buyers the best—the Hotpoint Disposall.

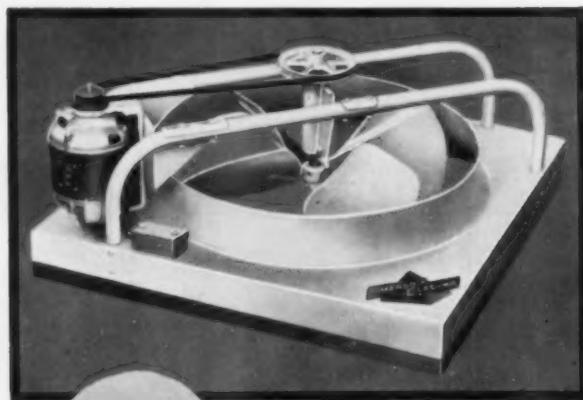
Contact your Hotpoint Distributor today. He'll show you how you can put the unequalled sales appeal of these Hotpoint appliances into every home—at builder-prices that make sense.

Look to **Hotpoint** for the finest...first!

# First Choice With Builders and Buyers

## EMERSON-ELECTRIC ATTIC FANS AND VENTILATORS

Magdalen Place—Hazelwood, Missouri;  
Attic and Kitchen Ventilator Fans  
by Emerson-Electric.  
Builder: Schmersahl Building & Realty Co., Inc.  
Electrical Contractor: Les Carter Electric Co.



Builders, coast-to-coast, have found that Emerson-Electric attic fans and ventilators help sell homes faster. They're easy to install . . . give trouble-free service . . . priced within project budgets.

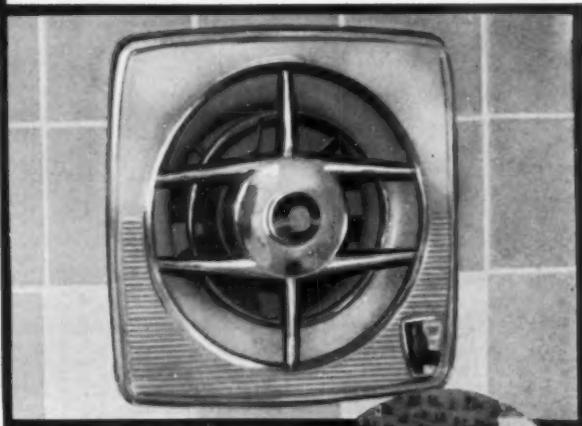
Quiet-operating, quality-built Emerson-Electric attic fans breeze-condition homes at surprisingly low operating cost. Emerson-Electric ventilators keep kitchens and bathrooms fresh, odor-free.

It will pay you to install Emerson-Electric attic fans and ventilators, with the 5-Year factory-to-user Guarantee, in your homes.

Write for complete data. Ask for Fan Bulletin No. 1046.  
THE EMERSON ELECTRIC MFG. CO.,  
ST. LOUIS 21, MO.



Lifetime lubricated ball bearings in motor and fan shaft. The 24" fan, 5200 C.F.M. list price only \$80.75, ceiling shutter list \$27.85; 30" fan, 7000 C.F.M., \$90.30, ceiling shutter \$31.00; 36" fan, 10,800 C.F.M., \$107.15, ceiling shutter \$37.65. Prices subject to trade discounts. Two-speed models also available.



EMERSON-ELECTRIC 8" ventilators give homes another quality touch. For kitchens, bathrooms, utility rooms. Wall or ceiling installation. Grilles in mirror-finish or white.



*Selling Better Living to the Nation*

### EMERSON-ELECTRIC

of St. Louis



Since 1890

You are entering the **American Builder**

# Supermarket

Help yourself to everything you want in new information and literature about new products shown on the pages ahead. This is one-stop shopping for ideas. Instead of writing a dozen different manufacturers, just circle the numbers on the other side of the card below . . . then drop it in the mail (no stamp needed). **AMERICAN BUILDER** will forward your request to each manufacturer, who will send you complete data free of charge. Get your pencil out and help yourself . . .



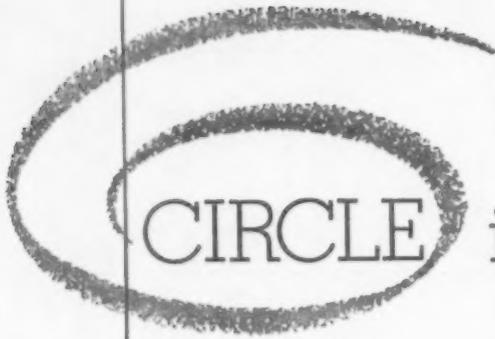
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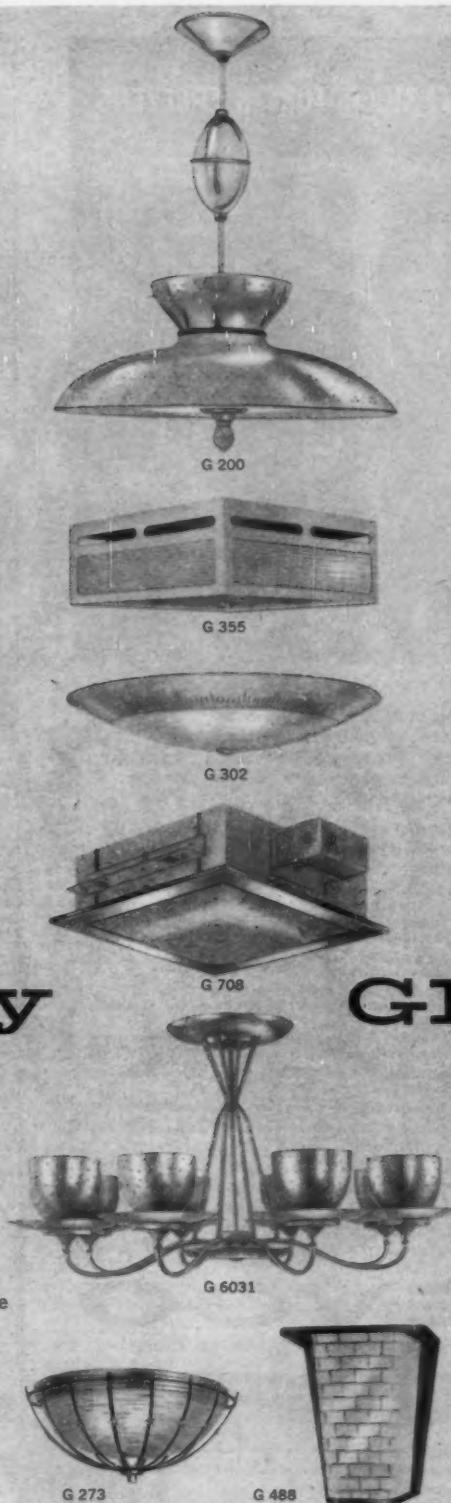
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You can do it—inside and outside the home—with the Globe line of lighting fixtures—and know that each fixture delivers efficient lighting performance while performing an outstanding design function. Globe lighting fixtures are nationally known by their fine materials, painstaking workmanship and perfect finishes. They are quality controlled every step of the way.



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Visit our showrooms: 16 East 40th St., New York 16, N. Y. Over 500 fixtures on display.

**GLOBE LIGHTING PRODUCTS, INC., 1710 Flushing Ave., Brooklyn 37, N. Y.**

"For Over a Third of a Century, Planned Lighting for Better Living"

**Revco**  
BILT-IN

## REFRIGERATORS & FREEZERS



Multiple Revco application, two refrigerators and two freezers.



Refrigerators above, loading counter between. Freezer and storage below.



Two Revco refrigerators and two freezers in horizontal line.

In home planning, architects want flexibility in built-ins. Revco refrigerators and freezers provide not only flexibility, but color, beauty and convenience. No matter what arrangement your clients want, Revco's proved design keeps the units "built-in".

Here's a check list that will readily answer your questions on how Revco provides modern architects with ideal kitchen designs.

- |                                       |  |
|---------------------------------------|--|
| <input type="checkbox"/> Color        | Stainless steel, antique copper and wood finishes plus custom matched colors.                                  |
| <input type="checkbox"/> Arrangement  | Horizontal or vertical freezer and refrigerator or in multiples or the new undercounter freezer.               |
| <input type="checkbox"/> Models       | 8.4 moist-cold refrigerator—5.7 freezer—8.1 ice maker refrigerator.  |
| <input type="checkbox"/> Capacity     | A typical vertical or horizontal installation of freezer and refrigerator gives 14.1 cu. ft. of storage space. |
| <input type="checkbox"/> Dimensions   | Designed to fit standard cabinet installations, 3' modules, 24" deep.  |
| <input type="checkbox"/> Installation | Separate units make Revco easiest to install in kitchens of any design.  |
| <input type="checkbox"/> Warranty     | 5 year warranty on complete refrigeration system.  |
| <input type="checkbox"/> Information  | Complete architect's information file available FREE for the asking.   |

Get the complete Revco story today and have the information for your clients at your fingertips. Revco has prepared for you a special architect's file with all the information you need on built-in refrigeration to answer the questions your clients may have about new or remodeled kitchen designs.

# REVCO

SPECIALISTS IN REFRIGERATION • DEERFIELD, MICH.

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Please send me my free architect's information file on Revco Bilt-Ins.

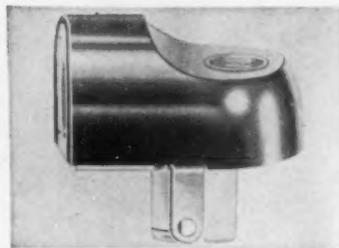
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American Builder **New products**

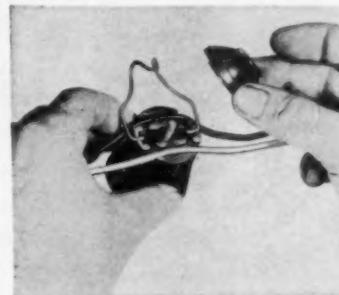
## WIRING DEVICES



### Wiring device carries heavy-duty appliances

A new 90° Angle rubber Cap of advanced design is suitable for use with heavy-duty appliances to assure safe, efficient operation. This 3-wire, 50-ampere polarized device will not break or crack even when subjected to extremely severe usage. Angle Cap has two screw contacts and is made of rubber for flush or surface outlets. A 1.062" cord hole is standard, but if desired the cap will be supplied with a 1.218" cord hole. Arrow-Hart & Hegeman Electric Co., Dept. AB, Hartford, Conn.

Circle No. 5028 on reply card, p. 132



### Socket designed for temporary lighting

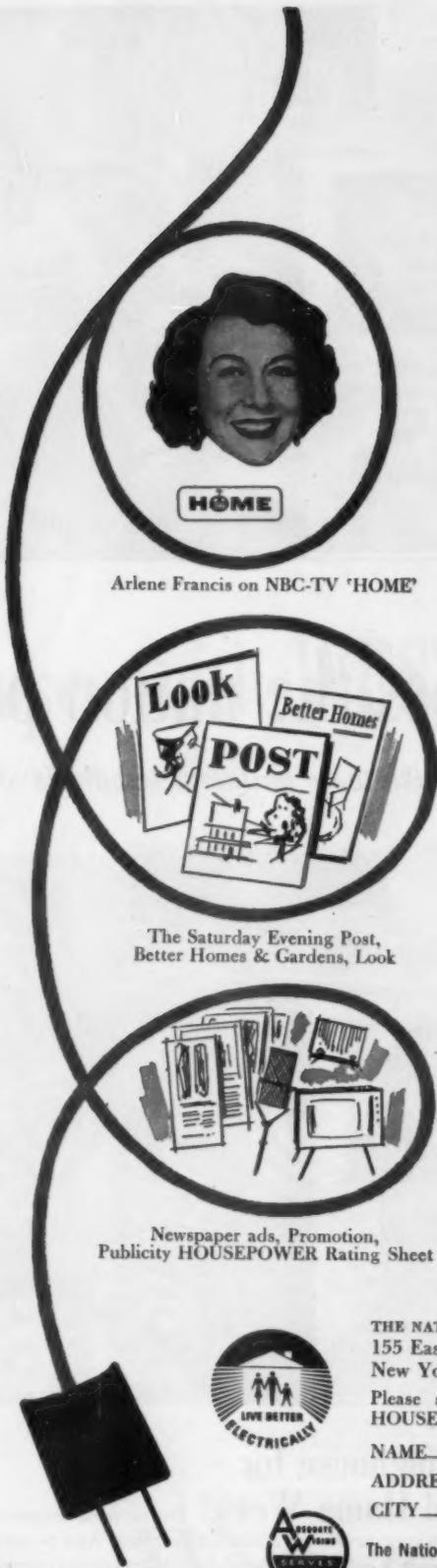
Pin-type socket for temporary illumination is of streamlined, functional design. This heavy duty socket is for use with number 12 or number 14 RW rubber-covered, stranded wire, and is connected directly to the wire simply by screwing on the cap. Eliminates special installation problems. Especially useful for decorative lighting, these sockets can be reused. Each socket is completely weatherproofed. Pass & Seymour Inc., Dept. AB, Syracuse 9, N.Y.

Circle No. 5029 on reply card, p. 132

What  
**HOUSEPOWER**  
 is doing to  
 help you  
 sell more homes

All branches of the electrical industry are putting millions of dollars into HOUSEPOWER 1957 . . . pre-selling your prospects on the value of homes wired for full HOUSEPOWER. TV's great personality Arlene Francis on HOME — plus such magazines as *The Saturday Evening Post*, *Look*, *Better Homes & Gardens* — is telling the HOUSEPOWER story, aided in depth by a deluge of newspaper advertising, local promotion, and nationwide publicity.

But that's not all! A brand new direct sales aid—the HOUSEPOWER Rating Sheet—is now available. The HOUSEPOWER Rating Sheet enables you to show your prospective home buyer the electrical capacity of the house and what electrical equipment he can use. To learn how you can get HOUSEPOWER Ratings for your homes, ask your electrical contractor, or electric utility, or send in the coupon.



Arlene Francis on NBC-TV 'HOME'

The Saturday Evening Post, Better Homes & Gardens, Look

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Please send me more information on how HOUSEPOWER can help me sell more homes.

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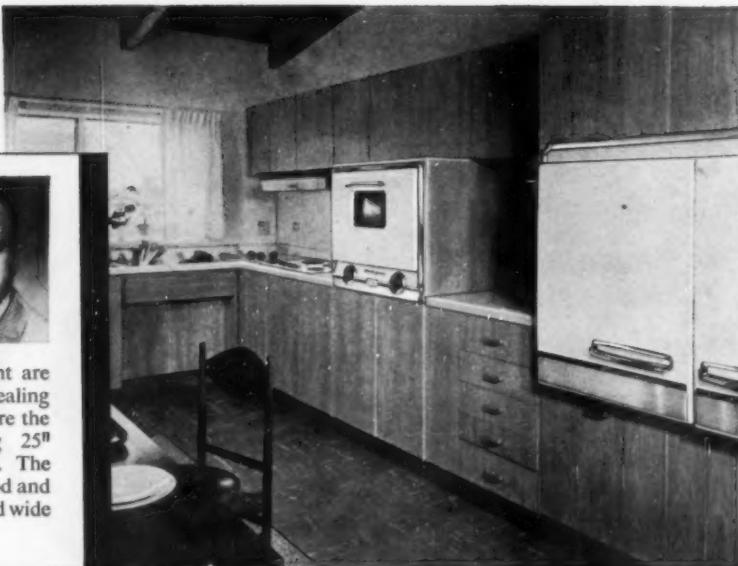
The National Adequate Wiring Bureau . . . a sponsor of

**HOUSEPOWER**  
TRADE MARK

## **NORTH**

**Harry J. Quinn**  
South Holland, Illinois

Westinghouse built-ins in Lemon Yellow plus a Dishwasher with matching wood front are featured in architect-builder Quinn's appealing kitchen. Also included in another area are the Westinghouse Space-Mates, matching 25" wide Laundromat and Clothes Dryer. The house, jointly sponsored by U. S. Plywood and Living For Young Homemakers, attracted wide attention.



"PHOTO BY LIVING FOR YOUNG HOMEMAKERS"

# Builders across the nation put more sell

*Like these builders, hundreds of others set sales records*

## **EAST**

**Robert Postal**  
Cold Spring Park, L. I.

Breakfast snack bar has a built-in, 4-unit range platform which contributes to the efficiency of this well-designed kitchen. A complete package of Westinghouse built-ins was installed by builder Postal. Visitors and home buyers recognized the quality hidden in the construction of this house by the well-known quality name on display in the kitchen.



## Plan now with Westinghouse for 1957 National Home Week!

Do as these successful builders did! Make a place for Westinghouse Appliances in your new home construction plans. And be sure to include them in your National Home Week model home. They'll help you draw and sell homebuying crowds in September and every other month of the year. For further details, contact your nearest Westinghouse Distributor or write to: Westinghouse Electric Corporation, Major Appliance Division, Contract Sales Department, Mansfield, Ohio.

## **SOUTH**

**Harold Newton  
Greenville, South Carolina**

This view, through the kitchen and into the adjacent utility room, reveals the compact, efficient planning made possible by Westinghouse Appliances. Builder Newton's contemporary home, with this kitchen, was one of the major attractions in the Lake Forest Parade of Homes. Note the 17" built-in oven . . . the 25" wide Space-Mate Laundry Twins installed vertically, with dryer on top.



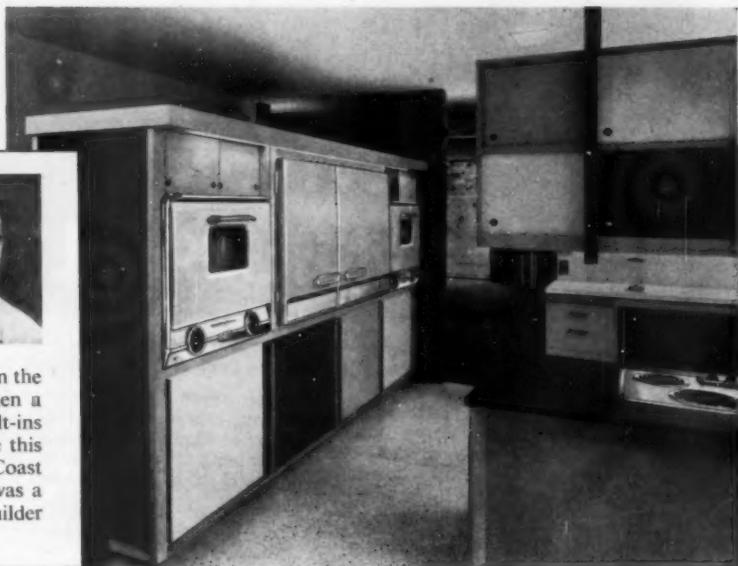
# in their houses with WESTINGHOUSE

*with Westinghouse Appliances in 1956!*

## **WEST**

**Richard Robinson  
Kirkland, Washington**

New horizontal in-the-wall Refrigerator-Freezer plus two built-in ovens installed in the same wall give builder Robinson's kitchen a striking appearance. Westinghouse built-ins along with unique custom cabinets made this kitchen especially appealing to West Coast home buyers. This Electri-Living Home was a prize winner in the 1956 American Builder awards.



YOU CAN BE SURE...IF IT'S **Westinghouse**

EXHIBITOR  
NATIONAL HOUSING CENTER



The  
right  
combination  
of devices ...

**LEVITON  
INTERCHANGEABLE LINE**

Now, a newly designed series of devices that can be made up in combination and installed right on the job with a minimum of inventory and a maximum of efficiency. Any combination of one, two or three devices on a single gang can be assembled quickly and easily. Each device locks into the strap with a twist of the screw driver.

With the Leviton Interchangeable Line, you get the devices you want in the combination that is right for the job. And these devices are also inter-

changeable with other devices of the same type for replacement purposes.

Select from a wide variety of Interchangeable components including Single pole, Double pole, 3-way and 4-way switches; Convenience outlets; Push button; Pilot light; Duplex and Triple outlets.

*Devices fit standard boxes and wall plates. Available in brown or ivory phenolic. Newly designed wall plates in metal or phenolic are simply styled, easily cleaned. Listed by Underwriters' Laboratories.*

Your best jobs are done with ...



For full information write:

**LEVITON MANUFACTURING COMPANY • BROOKLYN 22, N. Y.**

Chicago • Los Angeles • Leviton (Canada) Limited, Montreal

For building wire and cable contact our subsidiary: AMERICAN INSULATED WIRE CORPORATION

**American  
Builder** New products

#### WIRING DEVICES



#### Wiring job simplified with Interchangeable line

Complete series of flush-mounted wiring devices and wall plates offered by Leviton in its Interchangeable line. Quick and easy to install without need for special tools, the series comes in one-gang or multi-gang arrangements. Molded in brown phenolic or ivory thermo-setting plastic in a modern style which fits both residential and commercial settings. Wiring devices allow wiring layout to be centralized. Leviton Manufacturing Co., Dept. AB, 236 Greenpoint Ave., Brooklyn 22, N. Y.

Circle No. 5030 on reply card, p. 132

#### Automatic attachment cap does heavy duty

Snapit Kwik-Cap, an automatic attachment cap, has been designed to accept the variations which exist in the different types of number 18 cord. Simple action and foolproof piercing of the insulation wire makes the cap easy to use. Of the modern side angle type, the Snapit Kwik-Cap has a positive strain relief action. Available in both brown and ivory. From Cable Electric Products, Inc., Dept. AB, 234 Daboll St., Providence 7, R. I.

Circle No. 5031 on reply card, p. 132

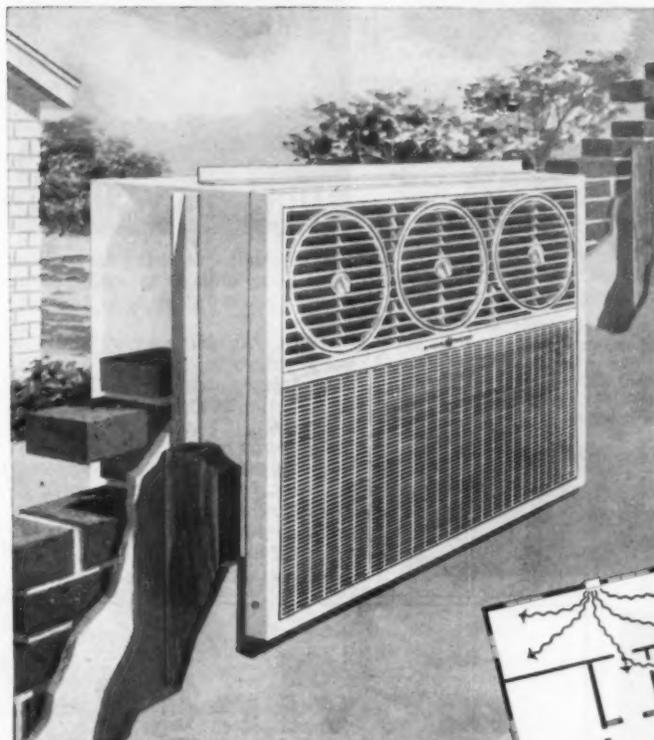
#### Garage doors can be safety-controlled

For electric safety control of commercial garage doors, Barber-Colman recommends its Model MC Control. One touch on the "open" button opens door completely, freeing worker while vehicle enters or exits. Continuous pressure is required on "close" button until door is completely closed. Doorway supervision is guaranteed. From Barber-Colman Co., Dept. AB, Rockford, Ill.

Circle No. 5032 on reply card, p. 132

# Air Conditioning zone by zone

with the new General Electric Built-In Thinline



**It's easy** to give your homes the sales appeal of permanent, built-in air conditioning with the new General Electric Built-In Thinline.

You install the case through the wall during construction. The mechanism slides in place when the building is complete. There's no plumbing or costly ductwork needed—no floor or window space wasted. And with Thinline styling there's *no unsightly overhang inside or out* to mar the appearance of the house.

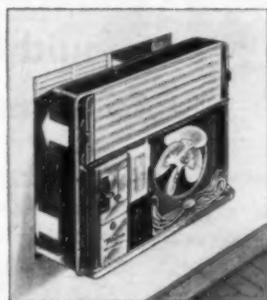
Built-In Thinlines come in 1/2, 3/4 and 1 hp. models. All fit the same thin case. Every Thinline is pre-sold to your home buyers through national advertising—backed by expert service and a written guarantee—designed to meet FHA requirements. See your General Electric distributor soon for full details. General Electric Company, Room Air Conditioners Dept., Louisville 1, Kentucky.

**Zone-by-zone cooling** lets you completely air condition a whole house without plumbing or costly ductwork, wasted floor or window space. And the system's fully automatic! As the sun moves around the house, the unneeded units turn off and those in the warm rooms go on. Your buyers don't have to pay for cooling they don't need.

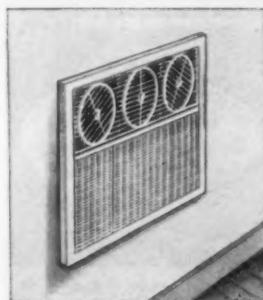
It's simple to install the new General Electric Thinline Built-In model



Case is installed during construction—mounts in any kind of wall. Panel protects opening until building is completed.



Thinline mechanism slides into case later. Six screws hold it in place—give you a quick and weather-tight installation.



Add appearance front, air filter, grilles. Plug in. Thinline is ready to run. Grille can be painted to match any decor.



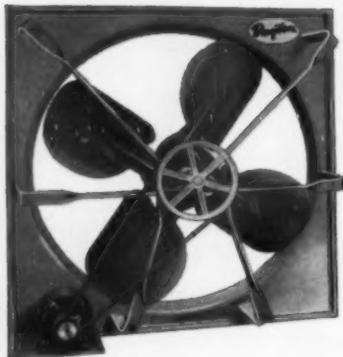
On the outside the Thinline's aluminum grille will keep its good looks for years. It's easy to paint to match the exterior.

*Progress Is Our Most Important Product*

GENERAL  ELECTRIC

# Dayton Attic Fans

## Favored by Builders & Users



Wall mounted Dayton Attic Fan. Also made in ceiling mounted type for low-attic, ranch type homes and commercial buildings.

DAYTON gives you the simple, basic high-volume attic ventilating fan that can be easily adapted to any installation in new or existing attics or commercial buildings—at low cost to you.

### QUIET 24 TO 48" BLADES

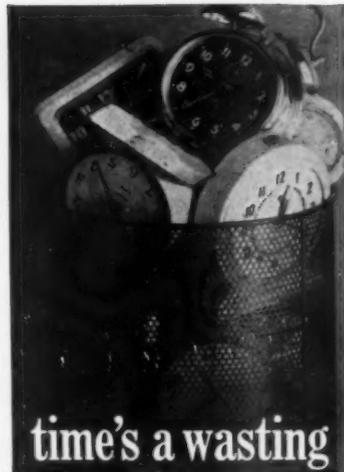
Every Dayton Attic Fan is built to outlast the building it cools and ventilates. Made in wall and ceiling mounted types. Quiet, rigid steel 24" to 48" balanced fan blades are belt-driven. Powered by 1725 or 1725/1140 RPM motors to deliver from 6,220 to 19,300 CFM. Panels are formed from heavy gauge steel and have extra-sturdy bearing support. Trouble-free bearings. Appropriate automatic Dayton shutters also available.

Your building supply dealer will furnish Dayton Attic Fans and accessories for installing them; also a complete line of Dayton Exhaust Fans, Kitchen Fans, etc. Dayton Fans give you better service features and cost you less.

## DAYTON ELECTRIC MFG. CO.

SALES OFFICE: 116 S. OAKLEY BLVD., CHICAGO 12

MANUFACTURERS of Dayton Fans and Blowers — Dayton Electric Motors — Power Plants — Teel Pumps and Water Systems — Speedaire Air Compressors



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AMERICAN CANCER SOCIETY

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Single Handle

FAUCET



FOR BATHROOMS

FOR KITCHENS



Here is the most advanced faucet ever made. It offers beauty... long life... and **DEPENDABLE** service... with only **ONE** moving part.

Being competitively priced with any quality fixture as well as being Nationally Advertised Delta is truly the faucet you'll want to install.

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## American Builder

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Emmett St. Bristol, Conn.

# Breeze Conditioning Sells Houses!



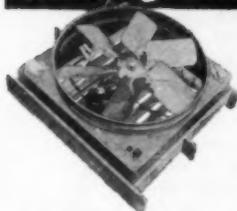
Coolair... Top Quality in  
the Lowest Price Range.

Today every home owner wants summer comfort. Coolair Attic Fans cost you less — give the buyer cool Breeze Conditioning comfort — and make your homes sell easier. For information and prices, write



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## BAR-BROOK BREEZEBUILDER Package Unit FANS



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Profitable for  
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Cool comfort  
for the buyer.

Model No.	C.M Free Del.	Ceiling Opening	Height
AVP-30	5000	31"x31"	18 1/4"
AVP-36	7500	36"x36"	18 1/4"
AVP-42	10000	42"x42"	20 1/4"

Built-in ceiling shutter, manual or automatic. Fan, motor and shutter completely assembled and wired as single unit. UL Approved. Contractors say Bar-Brook Units are easiest and fastest to install.

### BAR-BROOK Breezbuilder ATTIC TYPE FANS

For horizontal or vertical operation. Six sizes 30", 33", 36", 42", 48", 54".



WRITE FOR  
CATALOG...

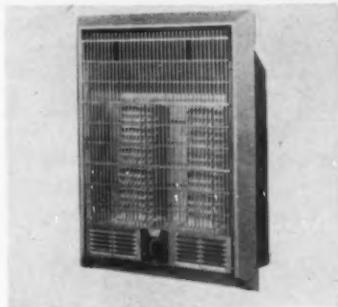
of entire Bar-Brook line  
of large fans and shutters.



**BAR-BROOK MFG. CO., INC.**  
6135 Linwood Ave., Shreveport, Louisiana

## American Builder New products

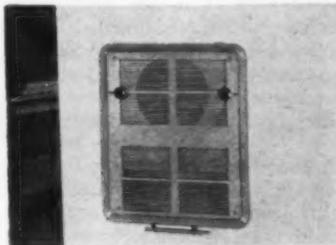
### ELECTRIC HEATING



#### Heaters designed to fit room requirements

Electric space heaters are manufactured in one, two, and three element designs to fit every room in the house. The most popular unit is the two element model pictured above which provides sufficient heat for the average size room. Line includes 11 models created to meet any wattage requirement. Completely automatic; thermostat controlled. Engineered to supply years of clean, noiseless heating comfort. From Ceil Heat, Inc., Dept. AB, 5215 Homberg Dr., Knoxville, Tenn.

Circle No. 5033 on reply card, p. 132



#### Fan-heater produces, maintains even temperature

Dial-controlled, high wattage and voltage, built-in Heetaire will produce and maintain any desired temperature between 40° and 85° F. More economical because no unneeded current is used. Simple, easy installation for both wall insert and wall attachable models. These fan-forced Heetaires with 2,000 to 5,000 wattages available from Markel Electric Products and LaSalle Products, Inc. Information from Markel Electric Products, Inc., Dept. AB, Buffalo 3, N. Y.

Circle No. 5034 on reply card, p. 132

# Vacu-FLO<sup>®</sup> BUILT-IN VACUUM SYSTEMS

Outstanding  
Attraction  
FOR MODEL HOME  
PROMOTIONS

Just plug  
feather light  
hose into  
wall inlets.



No machine to lug  
—no cord to tug.

Super powered vacuum  
producer and receptacle  
mounted out of living  
area.



### HUNDREDS OF BUILDERS SAY:

"VACU-FLO IS BIGGEST HIT IN BUILT-INS  
... PROVIDES MORE SALES POWER".

Builders everywhere are experiencing high-level interest with Vacu-Flo installations and are providing a built-in appliance with exciting appeal to home buyers. Time after time builders have told us they fully believe Vacu-Flo was the one feature that hurried the sale. Perhaps Vacu-Flo will keep you ahead of competition too... We'll be glad to show you how prominent builders are using Vacu-Flo profitably.

### \$100.00 FOR YOUR MODEL HOME LOCAL ADVERTISING PROMOTION

The Vacu-Flo cooperative plan includes a useful promotion kit plus \$100.00 for local advertising costs when you qualify your Vacu-Flo installation under our special model home builders offer.

### H-P PRODUCTS, INC., DEPT. A, LOUISVILLE, OHIO

Please send me Vacu-Flo information and model home promotion offer.

Name \_\_\_\_\_ Title \_\_\_\_\_  
 Builder's Name \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_

**THE LATEST INFORMATION IS YOURS FOR THE ASKING****. . . More detailed information on Living Electrically.****Catalogs here tell you what to use, and how to use it****for better lighting, wiring. Section starts on page 65.**

**ILLUMINATION DESIGN DATA** booklet from Westinghouse is a 48-page guide for builders, architects, etc., on interior lighting installations. Manual (A-4854) contains special section on footcandle levels required for each group of seeing tasks with specific recommendations for homes, churches, schools, etc. Westinghouse Lamp Div., Dept. AB, Bloomfield, N.J.

Circle No. 5035 on reply card, p. 132

**GLASS HEAT PANELS** for electric radiant heating in an eight-page catalog from Berko. Heating panels of all types and sizes including a baseboard system illustrated and described in detail. Scale drawings of each type of unit, as well as specifications, and heat and electricity ratings. From Berko Electric Manufacturing Corp., Dept. AB, 212-40 Jamaica Ave., Queens Village 28, N.Y.

Circle No. 5036 on reply card, p. 132

**RADIANT CEILING HEAT** by Sunwarm . . . a 12-page fully illustrated catalog. Photographs, drawings, cost charts, together with important questions and answers on the uses and advantages of electric radiant heating. All in this book on "indoor sunshine." Installation pictures also included. Sunwarm Inc., Dept. AB, Kingsport, Tenn.

Circle No. 5037 on reply card, p. 132

**TRANSLUCENT PANELS**, called "Acoustilux," pictured and described in detail in a brochure sheet from Celotex Corp. Five different designs in .015-inch thick vinyl sheeting panels, in a choice of colors and sizes. Drawings, table of coefficients of utilization, also included. Cel-

otex Corp., Dept. AB, 120 South La Salle St., Chicago 3, Ill.

Circle No. 5038 on reply card, p. 132

**"CERTIFIED LIGHTING for Schools"** is title of an eight-page catalog from the National Lighting Bureau. Photographs; complete description of minimum lighting plans as well as "plus features;" check list for any school builder on quality, maintenance, outdoor lighting, etc. Fact book available from National Lighting Bureau, Dept. AB, 155 E. 44th St., New York 17, N.Y.

Circle No. 5039 on reply card, p. 132

**WIRING FOR TV** in new homes or existing motels, apartments, etc., suggested in this four-page brochure of products from Mosley Electronics. Mosley products allow for plug-in connection anywhere in home . . . permitting any room: sick room, play room, den to become "TV room." Complete line of TV lead-in accessories, antenna systems, etc., pictured and described together with typical specifications needed by builders. Mosley Electronics Inc., Dept. AB, 8622 St. Charles Rock Rd., St. Louis 14, Mo.

Circle No. 5040 on reply card, p. 132

**IN-WALL CLOCK**, modern in design, illustrated and described in a six-page leaflet. Self-starting electric clock that can be built into and flush with the wall comes in three sizes; in black, stainless steel, or copper, with installation kit for easy placement in the wall. More information from Modern In-Wall Clock Corp., Dept. AB, 3240 N. 53rd St., Milwaukee 16, Wis.

Circle No. 5041 on reply card, p. 132

**RECESSED FIXTURES**, both pre-wired and unwired Atlite models, described in this brochure from Atlas Electric. Detailed are six sizes of recessed fixtures in a variety of glasses, including Skytex, Albalite, Beaded bent glass, Fresnel lens. Atlas Electric Products Co., Dept. AB, 319 Ten Eyck St., Brooklyn 6, N.Y.

Circle No. 5042 on reply card, p. 132

**BETTER CONTROL ELECTRICALLY** for heating and ventilating systems in schools and colleges is discussed and illustrated in a new 16-page booklet by Barber-Colman Co. Explains in detail the application and use of electric control centers to simplify installation and operation. Barber-Colman Co., Dept. AB, 1300 Rock St., Rockford, Ill.

Circle No. 5043 on reply card, p. 132

**THE LAST WORD** in modern lighting fixtures from Finland House. Described in a 32-page catalog with numerous photographs and drawings of standing, hanging and wall fixtures for the home in wide variety of styles and materials. From Finland House Lighting, Dept. AB, 41 E. 50th St., New York, 12, N.Y.

Circle No. 5044 on reply card, p. 132

**ILLUMINATED CEILINGS** of Wilson "Luve-Tile," a square of light-stabilized Polystyrene plastic, suggested in this 16-page booklet. Photographs, detailed how-to-do-it drawings, as well as plan information and a sample Luve-Tile layout. Recommended for commercial buildings. J. A. Wilson Lighting Inc., Dept. AB, 260 Delaware Ave., Buffalo 2, N.Y.

Circle No. 5045 on reply card, p. 132



# WINDSOR

—

## *the kitchen with*

# SALES APPEAL

We also have a complete  
line of Hotpoint  
Custom Appliances

- DISHWASHERS
- DISPOSALS
- COOKING TOPS
- OVENS
- REFRIGERATORS
- FREEZERS
- and LAUNDRY

- over 150 standard cabinets to fit your every kitchen need
- select red birch — beech rails
- semi-concealed hinges
- brushed copper hardware
- no face nailing
- two coats of baked-on lacquer
- formica tops of any shape or any color

For further information on Windsor Kitchens send for our latest catalog. 156 pages filled with everything you need in building materials! Please write on your company letterhead or supply information as to your connection with the building trade.

**MORGAN-WIGHTMAN**  
ST. LOUIS • CHICAGO



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*No Cost — No Obligation*

**Morgan-Wightman Supply Co., Dept. 33**  
1541 Salzman Ave., St. Louis 20, Mo.

Please rush me your new free catalog.

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COMPANY \_\_\_\_\_

STREET ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ ZONE \_\_\_\_\_ STATE \_\_\_\_\_

full voltage...non-relay...touch action



# Rodale Touchette®

**lowest cost  
for  
touch-action  
convenience**



UL LISTED

Convenience features add so much to your selling story, especially when they are priced to fit well within your building budget. That's why so many builders are specifying Touchette, the wall switch that combines touch-action convenience with installation economy.

To the prospective buyer, Touchette means unmatched ease in turning lights and appliances on and off... just a light touch of hand, elbow or shoulder. No groping for toggle, no knob to turn. All this gives you another plus feature to offer... another inducement to buy.

Easy and economical to install, Touchette operates on full line voltage, without relays, transformers or special wiring... fits standard outlet boxes and wall plates. Rated 15A-120-277V, Touchette is available with brown or ivory touch button in single pole, double pole, 3-way and 4-way models.

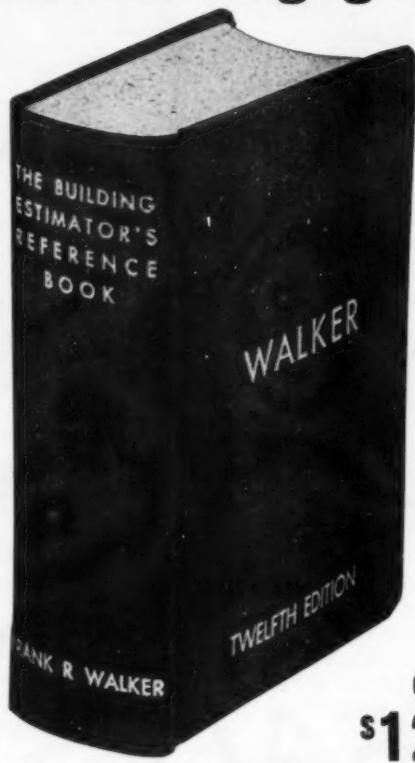
See Touchette in **LIVING FOR YOUNG HOMEMAKERS...  
HOUSE & GARDEN... HOUSE BEAUTIFUL...  
HOME MODERNIZING... your customers will!**

Get the details now. Contact your electrical wholesaler for complete information and prices... or write:



**MANUFACTURING COMPANY, INC.**  
Dept. A-5, EMMAUS, PENNA.

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Vest Pocket  
Estimator**

The standard help for contractors and estimators. During 40 years, over 130,000 copies have been sold in its many editions. This new edition was revised

from cover to cover and includes information on new and modern materials, tools and methods. No builder can afford to be without it if he wants to compete in today's price battles, yet protect his profits.

**AMERICAN BUILDER BOOKS**  
30 Church St.,

AB-457  
New York 7, N.Y.

I enclose \$..... Send ..... copies of Building Estimators Reference Book with a Vest Pocket Estimator for each copy ordered.

Name .....  
Address .....  
Town, ..... Zone, ..... State .....



*Mr. Grillhoesl (left) with Donald Cunningham of Wisconsin Bell Telephone Company. Behind them is the sample house that won 1st prize for the best interior design under 1250 square feet in the Milwaukee Builders Association 1956 Parade of Homes.*

## “Planned telephone outlets are a hard-to-beat investment”

— says Mr. Robert J. Grillhoesl, Builder, of Milwaukee, Wisconsin

“The money I put into built-in telephone outlets is money well spent,” says Mr. Grillhoesl. “People will pay the small amount necessary to get the telephone convenience they want. And the cost of installing telephone outlets is nothing compared to their sales value.

“You can’t go wrong giving people what they

want. That’s what makes planned telephone outlets a hard-to-beat investment.”

Your nearest Bell Telephone business office will help you with concealed wiring plans. For details on home telephone wiring, see Sweet’s Light Construction File, 8i/Be. For commercial installations, Sweet’s Architectural File, 32a/Be.

Working together to bring people together  
BELL TELEPHONE SYSTEM





Albert H. Small of Southern Engineering Corp. has good reason to smile. Seventy-one home Plyers Mill Estates, completely equipped with steel windows, sold out in a single week-end. Mr. Small says: "Steel sash is low in cost and easy to install. You have no trimming out or fitting problems. And steel windows operate smoothly; don't warp, swell or stick, even in damp weather."



Ernest Cook (above) and his partner, Nathan Shapiro, are the builders of Holly Park, a group of low-cost homes near Washington. Mr. Cook says, "We've kept our costs down by using awning-type steel windows with steel surrounds. I like the way steel sash is quickly installed and can take rough treatment. Housewives prefer windows they can clean from the inside. No need for ladders."



Al Cissel, vice president of J. C. Conley Construction Co., Inc., reports: "We get the most window for the money with steel windows. Big ranch or picture windows add a lot to a house. We're using steel sash 100 pct at 134-unit Riverdale Woods, and have been using them regularly for the past five or six years. We find steel windows much easier to install than wood."



Builders Simon Wolfman and Al Golden of Lynwood Homes have been using steel windows regularly for 15 years. Why? They explain it this way: "Steel windows are a cinch to work with. One-step installation. And you don't have to be so careful with them. Other metal windows scratch and scar too easily. The housewife has it easier with steel windows, too."

## "We like steel windows in Washington"

It's clear that builders throughout the Washington, D. C., area are sold on steel windows. They feel that with steel they get the most for the money and can give the public the best value. And they know that you can't beat steel sash with inside-outside trim for easy installation, as well as resistance to damage from the jolts and knocks that can't be avoided around a busy construction site.

The unequalled strength of steel sash comes from its rugged though slender framing members of specially rolled solid-steel sections. Many of the manufacturers of the country's best known windows use steel rolled by Bethlehem. See their catalogs in Sweet's.

BETHLEHEM STEEL COMPANY, BETHLEHEM, PA.  
On the Pacific Coast Bethlehem products are sold by Bethlehem Pacific Coast Steel Corporation. Export Distributor: Bethlehem Steel Export Corporation

**BUILD FASTER...SELL FASTER WITH**

# STEEL WINDOWS



**AMERICAN BUILDER**

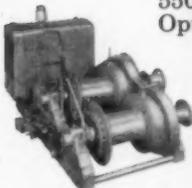
SEE *Sasgen* FOR CONTRACTORS' DERRICKS • HOISTS • WINCHES



- Easily rigged on the job
- Conservatively rated for safety
- Simple in design, easily maintained.

**ROOFERS' CIRCLE SWING DERRICKS**  
360° operation. 500 to 2500 lb. capacities. Optional type of power. Champion electric shown.

**CONTRACTORS' HOISTS**  
Single or double drum types with capacities from 500 to 5500 lb. single line pull. Optional type of power.



**Hand-Powered WINCHES**  
Safe worm or spur gear design. Sizes for 400 to 40,000 lb. load. No. 110 shown.



Write for latest catalog.

*Sasgen* DERRICK COMPANY  
3103 GRAND AVENUE CHICAGO 22, ILLINOIS

If you can jack up a car, you can lift 2000-pound walls into position with the

**PROCTOR WALL JACK**



**LIFTS BEAMS TOO!**

Lifts beams into position without effort. Workmen merely place beam in position . . . do not lift!

Lightweight Wall Jacks (30 pounds) are constructed for maximum strength.

**PROCTOR PRODUCTS COMPANY**

**PROFITABLE 2 WAYS!**

Eliminates fear of injuries . . . Increases speed of construction  
PROCTOR Wall Jacks take the back-breaking labor out of raising walls. Workmen stand back from the job where accidents cannot happen. Walls are raised quickly and easily. Any builder can save time and money with PROCTOR Wall Jacks. Only \$119 per pair.



Order your Wall Jacks today or write for full information!

16202 SIXTH AVENUE NORTHEAST • SEATTLE 55, WASHINGTON

MAY 1957

**NEW**

**Information\* valuable to the Masonry Industry**

available now on Stabilizing Walls with

**DUR-O-WAL**

Request Yours **TODAY!**

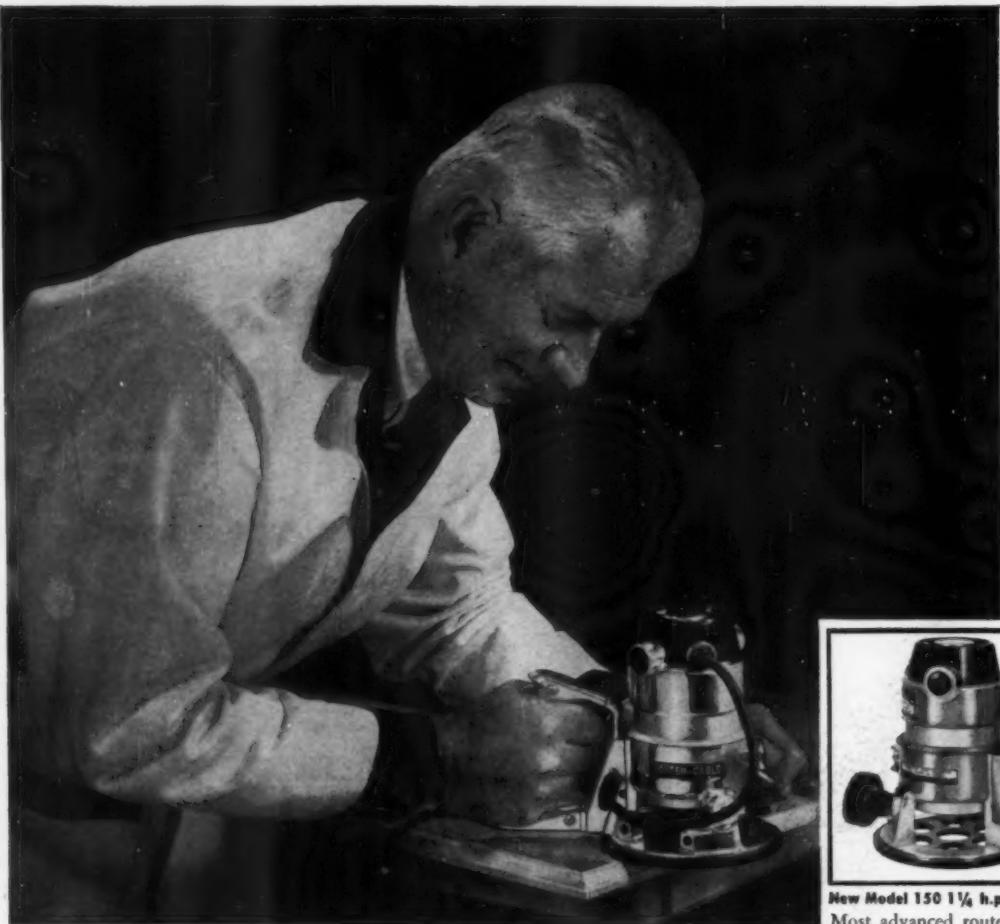
\* Technical data from independent laboratories on Dur-O-wal masonry reinforcement has just been compiled for you. Send for your free file today. Engineering Dept. F, Dur-O-wal, Cedar Rapids, Iowa.

Trussed Design  
Butt Weld • Deformed Rods

**DUR-O-WAL**

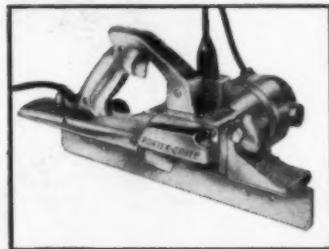
**Rigid BACKBONE of STEEL For Every Masonry Wall**

Dur-O-wal Div., Cedar Rapids Block Co., CEDAR RAPIDS, IA. Dur-O-wal Prod., Inc., Box 628, SYRACUSE, N.Y. Dur-O-wal of Ill., 119 N. River St., AURORA, ILL. Dur-O-wal Prod. of Ala., Inc., Box 5446, BIRMINGHAM, ALA. Dur-O-wal Prod., Inc., 4500 E. Lombard St., BALTIMORE, MD. Dur-O-wal Div., Frontier Mfg. Co., Box 49, PHOENIX, ARIZ. Dur-O-wal, Inc., 165 Utah St., TOLEDO, OHIO



**New Model 150 1 1/4 h.p. Router**

Most advanced router ever built. Outstanding features include: exclusive handle design, instant trigger switch power control, precision ball bearings, micrometer depth adjustment up to one inch. Heavy duty 1 1/4 h.p. motor may be used for many accessories. Only \$79.50



**New Model 150-P 16" Plane Attachment**

World's finest production plane. Use with your choice of 3 router motors. Trigger switch for safer, instant power control. Planes up to 2 1/4" wide. Fingertip depth control is adjustable up to 3/32" cut. Only \$49.50 complete with cutter. Without trigger switch, \$44.50

Now—Porter-Cable offers  
**the newest, most complete  
 router line anywhere!**

- A full 1 1/4 h.p. Router at \$79.50
- A full 5 amp. Router at \$49.50
- Famous Model 100 Router—now full 7/8 h.p.—still \$57.50
- New 1 1/2 h.p. Router—revolutionary pistol grip and trigger switch—\$130

Plus the only big capacity Shaper Table using interchangeable motors; two outstanding new Plane Attachments; six new door-hanging and Router-Plane kits; and a full line of accessories for each.

There never has been a quality line of Routers and accessories so complete, so outstanding in design, in versatility, in solid value.

See these new professional quality tools at your Porter-Cable dealer today—or write for full information.

Porter-Cable Machine Company, 7015 N. Salina Street, Syracuse 8, N. Y.  
 saws • drills • sanders • routers • shapers • planes  
 In Canada: write Porter-Cable Ltd., Box 5019, London, Ont., Canadian prices slightly higher.



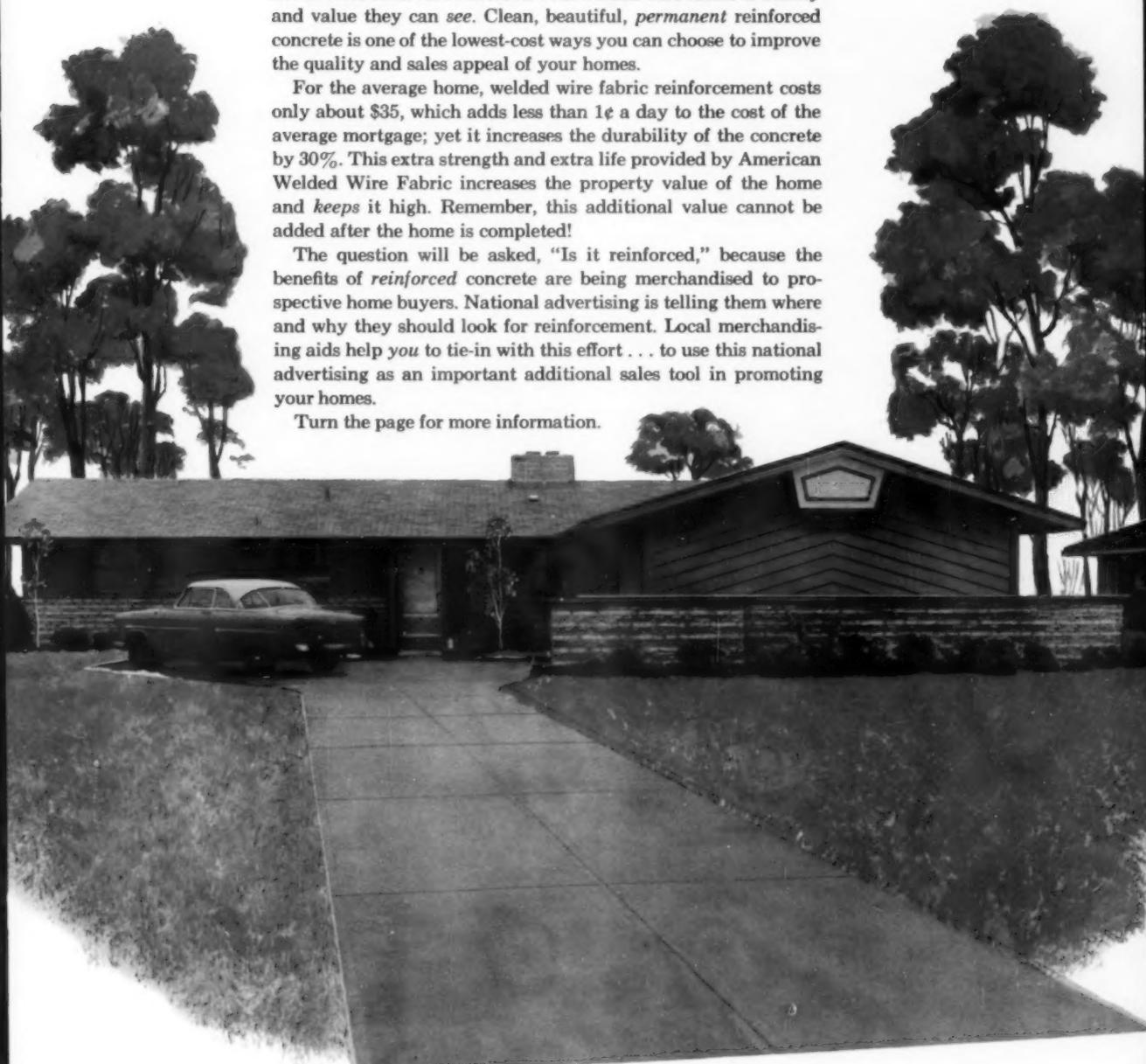
# How CONCRETE REINFORCEMENT can help you sell homes

Home buyers, today, are looking for extra beauty and value in a home. And concrete reinforced with welded wire fabric is beauty and value they can see. Clean, beautiful, *permanent* reinforced concrete is one of the lowest-cost ways you can choose to improve the quality and sales appeal of your homes.

For the average home, welded wire fabric reinforcement costs only about \$35, which adds less than 1¢ a day to the cost of the average mortgage; yet it increases the durability of the concrete by 30%. This extra strength and extra life provided by American Welded Wire Fabric increases the property value of the home and *keeps* it high. Remember, this additional value cannot be added after the home is completed!

The question will be asked, "Is it reinforced," because the benefits of *reinforced* concrete are being merchandised to prospective home buyers. National advertising is telling them where and why they should look for reinforcement. Local merchandising aids help you to tie-in with this effort . . . to use this national advertising as an important additional sales tool in promoting your homes.

Turn the page for more information.



AMERICAN STEEL & WIRE DIVISION, UNITED STATES STEEL, GENERAL OFFICES: CLEVELAND, OHIO

COLUMBIA-GENEVA STEEL DIVISION, SAN FRANCISCO, PACIFIC COAST DISTRIBUTORS

TENNESSEE COAL & IRON DIVISION, FAIRFIELD, ALA. SOUTHERN DISTRIBUTORS

UNITED STATES STEEL EXPORT COMPANY, NEW YORK

## USS American Welded Wire Fabric



UNITED STATES STEEL

# How to use reinforced to better your homes

## MAKE THEM LOOK BIGGER WITH REINFORCED CONCRETE

A carport added to the basic roof line will make your homes look bigger, will provide the easiest and least expensive car storage and, in addition, will serve as a shaded patio or play area. Build in storage units on the back wall, and you can offer what every home owner needs, but seldom gets—outdoor storage for garden tools, and toys. Be sure, however, that the floor and the driveway are built with concrete that is reinforced with welded wire fabric, if you want them to last.



## LANDSCAPE THEM WITH REINFORCED CONCRETE

Nothing so enhances a new home as landscaping. If you plan to landscape your homes, take a tip from outstanding landscape architects and use reinforced concrete liberally. Use it for garden walks, for garden patios, for planting boxes, for retaining walls. Always, wherever you use concrete, reinforce it with welded wire fabric. It costs only a fraction as much as the concrete itself . . . actually reduces the amount of concrete you need . . . adds years and years of extra service and beauty to the structures.



AMERICAN STEEL & WIRE DIVISION, UNITED STATES STEEL, GENERAL OFFICES: CLEVELAND, OHIO

COLUMBIA-GENEVA STEEL DIVISION, SAN FRANCISCO, PACIFIC COAST DISTRIBUTORS

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UNITED STATES STEEL EXPORT COMPANY, NEW YORK

## USS American Welded Wire Fabric

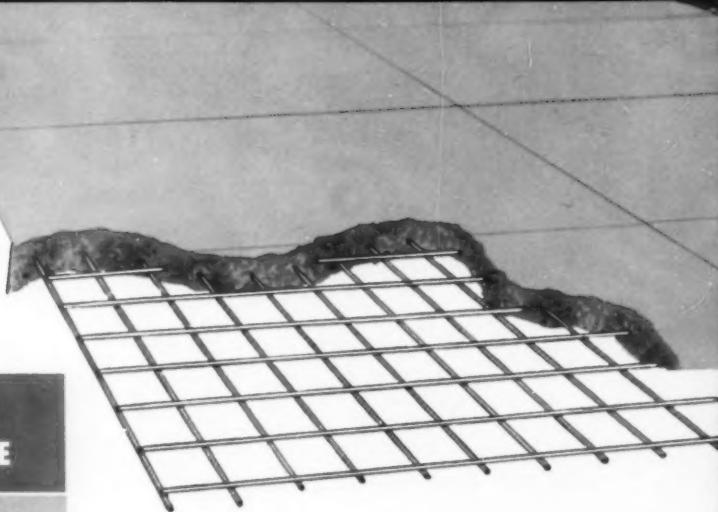
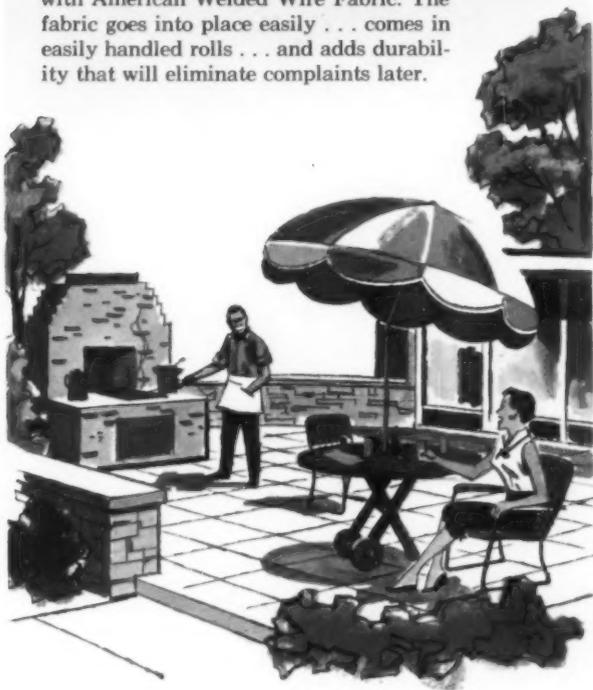


UNITED STATES STEEL

# concrete in 1957

## ADD OUTDOOR LIVING WITH REINFORCED CONCRETE

If a new home doesn't have a patio or terrace, that feature will be one of the first projects of the new home owner. You can give your home extra sales appeal if you add it for him. It costs little, if you make your patio of concrete reinforced with American Welded Wire Fabric. The fabric goes into place easily . . . comes in easily handled rolls . . . and adds durability that will eliminate complaints later.



## How to promote these uses!

Send the coupon for merchandising aids you need to make the additional quality of *reinforced* concrete a selling tool. Ad mats, brochures, handouts - everything is included to help you tie-in locally with the national advertising being done by American Steel & Wire . . . to help you tell people in *your* advertising, to help you *show* them this extra value in your demonstration homes.



## REMEMBER BUYERS WILL ASK

*"is it Reinforced"*

Be ready for the question! Send the coupon today! This is one promotion that can start working for you right now . . . it can help you sell *This Year!*

American Steel & Wire  
Dept. 25-57, Rockefeller Building  
Cleveland 13, Ohio

Rush a free merchandising kit that will help me to use wire fabric reinforcement as an additional selling weapon for my homes.

NAME .....

FIRM .....

ADDRESS .....

CITY .....

STATE .....

**HERE'S ONE ITEM**

**THE HOME OWNER  
CAN'T ADD LATER!**



**30%  
MORE STRENGTH  
IN CONCRETE!**

Only the builder can add 30% additional strength to the concrete he installs in and around a home. Because only welded wire fabric reinforcement will give this extra strength—and it must be added when the concrete is poured.



**AT VERY  
LOW COST!**

This 30% extra strength and extra durability actually cost less than 10% of the cost of the concrete—only about \$35 for the average house. It adds less than 1¢ a day to the cost of the average mortgage. This small investment adds years of service to the concrete . . . makes the concrete and the home it graces a higher-quality job . . . increases the value of the entire property.



**HELPS YOU  
SELL HOMES!**

Merchandise quality construction using welded wire fabric. Play up the important role of wire fabric in your concrete . . . point out to buyers that this is extra value that can never be added later—it has to be done now! Let wire fabric reinforcement help you to sell!

**REMEMBER  
BUYERS WILL ASK**

*"is it Reinforced"*

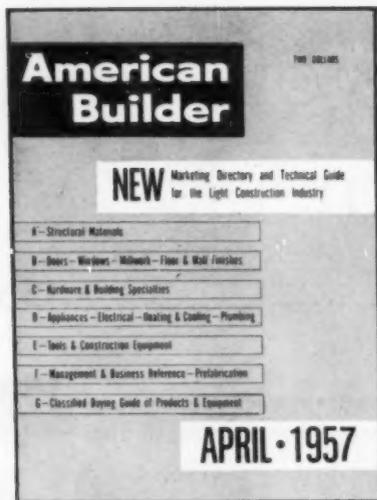


**UNITED STATES STEEL**

# The Payoff Departments

- Buying Guide**.....155 →  
These baths will sell in '57.
- New Products**.....158 →  
Builders' supermarket for new product information on  
baths and plumbing, doors and hardware, etc.
- Merchandising Ideas in Action**.....174, 175 →  
Capsule case histories of builders' successful sales pro-  
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- How To Do It Better** .....182 →  
How the bumper jack becomes the carpenter's helper.  
How to apply plastic counter tops.
- Ask The Experts**.....190 →  
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- Convention Calendar**.....218 →  
Check this list for meetings you want to attend.
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Individually, these builders are in business for them-  
selves . . . together, they cooperate as land developers.
- Better Detail Plate**.....226 →  
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- Keeping Up With The Law**.....230 →  
How new legislation may bring tax relief to home  
owners.
- Technical Guide**.....240 →  
How to install room-unit air conditioners for better  
sales.
- The Month Ahead**.....250 →  
Things for builders to think about during June.

# If time means money to you...



## Here's how to save some!

**Here's a question.** Be honest! How much time do you waste every day looking for the answers to building problems? Fifteen minutes? You're wasting a week and a half a year. An hour? You're wasting six weeks.

**But you say...** it takes time to find the answers to building problems...planning, building, buying information you need every day. Sure it does, especially if you do your own research. But that's not necessary. AMERICAN BUILDER's editors have done it for you in the April issue. They've combined all the material you need into one big builder's directory. You know it...the *Marketing Directory & Technical Guide*.

**That's a mouthful...** but a meaningful one. For here's a directory that's loaded with planning, building, buying information. The kind you need every day. The kind you can waste hours looking for. It's here in one spot...classified for quick reference...specifically designed to save you time. Here's how...

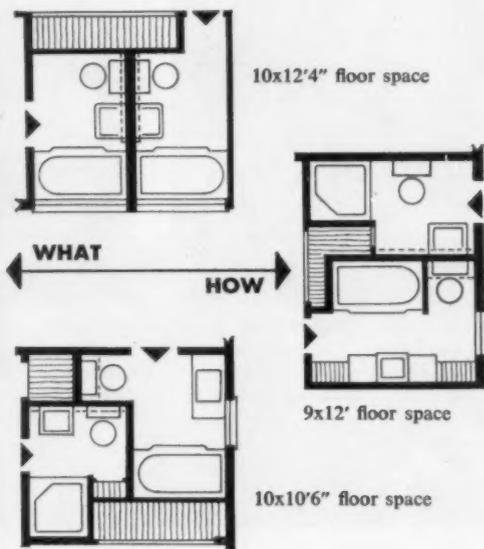
**Seven big technical sections** help you plan, build and buy better. Six give detailed planning and designing information on every building problem...*Structural Materials...Doors, Windows, Millwork, Floor and Wall Finishes...Hardware and Building Specialties...Appliances, Electrical, Heating and Cooling, Plumbing...Tools and Construction Equipment...Management and Business Reference-Prefabrication*. The seventh (a *Classified Buying Guide of Products and Equipment*) helps you buy better.

**A reference file of free literature** describes and classifies all the catalogs and technical material available from building supply and equipment manufacturers. Free copies supplied through a convenient Reader Service postcard.

**Plus...** A List of Building Associations and Societies with the name, address and executive officer of each...A Trade Name Index giving the name and address of each manufacturer.

**Start today!** Refer to AB's Marketing Directory & Technical Guide every time you have a construction problem. It's free (part of your regular subscription), so why not put it to work? Why not take advantage of this time and money saving treasury of building facts?

## American Builder Marketing Directory & Technical Guide



**TWO COMPLETE BATHS** and how to plan them compactly—by American-Standard. Restal tub in photo is 38x39". See matching plan. (No. 5046, p. 132.)

## These baths will sell in '57



● Each month *American Builder* surveys manufacturers in a particular field to find out which of their products builders want most to help sell houses. Below: results of this month's survey of bath and plumbing manufacturers.

**M**ore bathroom space . . . more conveniences . . . more color . . . these are the top-rated trends in bathroom selling. Buyers are looking first for more bath space—two full baths (even in smaller homes) are a growing sales point. Manufacturers have met the problem with smaller, more compact fixtures. (See plans, picture above.)

Convenience within the bathroom is added with compartmentalized baths and showers, double lavatories, vanities.

Brighter, more attractive baths are easier to come by with newer, decorator-toned fixtures, tile designs, and other bathroom finishes.

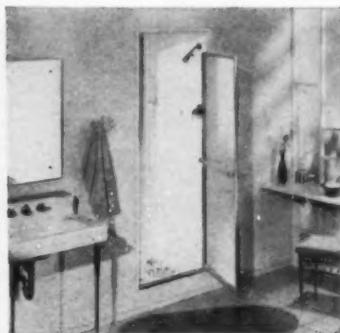
**MORE CONVENIENCE** with compartmentalizing, more storage, mirror space. Photo shows Miami-Carey's Custom mirror (No. 5047, p. 132.)



**WASHING CONVENIENCE** in this bathroom from Universal Rundle's new twin-bowl, one-piece, Dulavoir lavatory. (No. 5048 on page 132.) One-counter opening and single mounting frame take this compact 45"x17" unit. Other conveniences for the bath: ventilating fans, sun and heat lamps, more mirror space.



**STORAGE CONVENIENCE** with the help of a double vanity from Vanity Fair. (No. 5049 on page 132.) Two-bowl unit is finished in laminated plastic, takes medicines, cosmetics, linens. Built-in cabinets and hampers are also popular. And in many larger baths the laundry equipment is moving in right next to the hamper.



**TRAFFIC CONVENIENCE** comes easier with compartmentalized units such as this Weisway Standard In-A-Wall shower. (No. 5050 on page 132.) Adapter frame surrounds cabinet entrance for recessing in wall. Closed-off water closets, bath tub enclosures, separated lavatory areas also help solve the family bath traffic problem.

**These baths will sell in '57 . . . continued**



**OTHER NEW PRODUCTS  
IN THIS ISSUE**

- Building specialties . . . p. 166
- Doors and hardware . . . p. 164
- Electrical equipment . . . p. 97
- Tools and equipment . . . p. 168
- Catalogs . . . . . p. 142

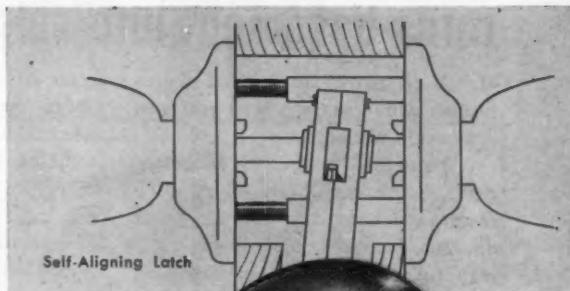
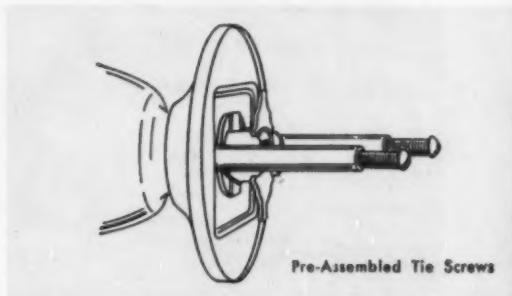
**COLOR, ATTRACTIVENESS** mark trend of turning bath from mere necessity room into an important part of the house. Here, Crane used a combination of decorator-toned recessed bath and Drexel water closet with a coordinating ceramic tile design. (No. 5051 on page 132.) Other steps to attractiveness . . . new paints . . . new plastic finishes and panelling . . . more use of wood and marble . . . new color in vinyl and rubber tile and linoleums.

# DEXLOCK

*the only economy lock with  
all these features*

- ◆ **Factory pre-assembled tie screws** spare you the trouble of inserting them or the possibility of losing them. Pre-assembly at factory guarantees correctly tapped tie rods.
- ◆ **New, extra-easy removal** of cylinder without tools. Simply remove lock from door, turn key 180°, pull out cylinder and it's ready for re-keying.
- ◆ **True self-aligning latch** prevents knobs from binding and assures fast, easy installation even if edge hole is bored out of line.

**Plus:** Cylinder plug and case made from solid brass rod, not zinc die cast or powdered metal ◆ Tie screws concealed by inside rose ◆ Interior parts are steel ◆ Exterior parts are solid brass, bronze or aluminum ◆ Pin tumbler security ◆ Standard or two tone finishes ◆ Tulip or rounded knob styles ◆ Functions for all residential needs ◆ Fits standard Dexter boring.



BY

# DEXTER

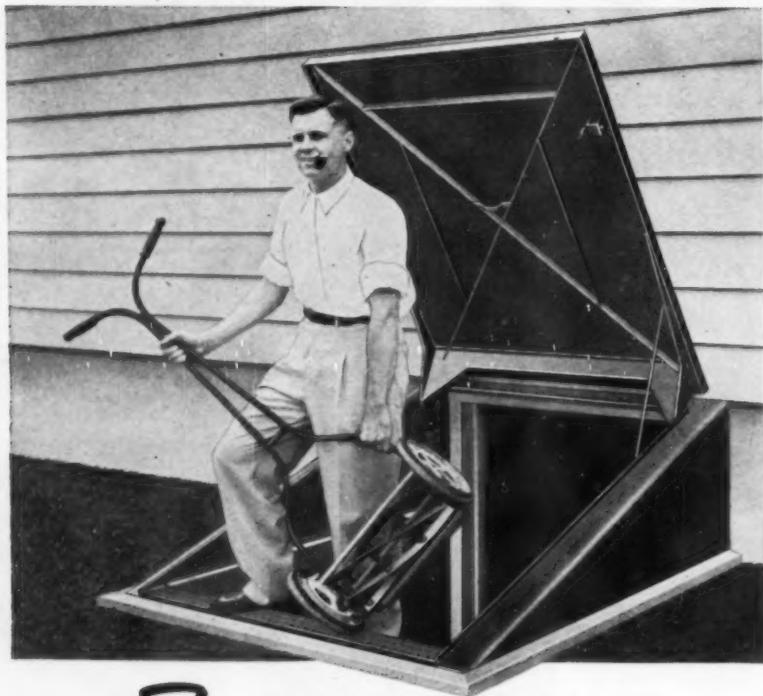
NO LOCK INSTALLS FASTER THAN A DEXTER

Write for new Dexlock brochure.  
Counter displays for Dexter dealers.

**DEXTER LOCK DIVISION** Dexter Industries, Inc., Grand Rapids, Michigan

In Canada: Dexter Lock Canada Ltd. — In Mexico: Dexter Locks, Plata Elegante, S.A. de C.V.

Dexter Locks are also manufactured in Sydney, Australia; Milan, Italy and Porto, Portugal.



## New *SERVICE-WAY* convenience turns basement into sales feature

Here's an "extra" feature that makes homes different in a way you can really talk about.

Getting directly into the basement through this easy, Service-way entry is an appealing convenience these days. In fact it's the only practical way to make full use of basement space... especially now when garages are filled to the brim and attics are disappearing.

### FOR NEW HOMES

The Service-way helps you sell new homes because it gives quick, easy

access to outdoor furniture, grilles, garden tools, screens, stormwindows and children's toys or anything stored in the basement. Bulky home equipment like home freezers and shop tools can be moved in easily through the wide opening. No chance here for scraped walls or muddy tracks. Fewer stairs to climb on heavy wash days too.

### SINGLE DOOR

Special appeal of the Service-way Door is in its one-piece design. A counterbalancing spring makes it easy to operate...open and close it with one hand.

### CHECK THESE SERVICE-WAY FEATURES

- **FINGER-TIP OPERATION**—Specially designed spring suspension counterbalances the door.
- **QUICK-RELEASE SAFETY ROD**—Easily locked in open position. Can't close accidentally or blow down in strong winds.
- **EXTRA-RIGID SUPPORT**—Cross bars welded underneath the one-piece door give added strength.

- **ALL-WELDED CONSTRUCTION**—Built of heavy-gauge steel electrically welded for greatest durability.
- **WEATHER-TIGHT**—Overlapping flanges keep out damaging snow, rain and wind.
- **BURGLAR-PROOF**—Slide bolts lock door securely from the inside for assured protection.
- **READY TO INSTALL**—Comes completely assembled and prime coated to save time and labor on the job.

For folder and specifications see your local building supply dealer, or write Heatilator Inc., 825 E. Brighton Ave., Syracuse 5, N.Y.

HEATILATOR®  
**SERVICE-WAY**

### BATHS & PLUMBING



### Cabinet designed with space in mind

Bathroom cabinet designed for convenience is the smartly styled Model 7000 which has exterior shelf space for perfumes, soap and tumbler holder plus roomy interior shelves for medicines. Only the cabinet body recesses into the wall. Comes complete with overhead light fixture. Plenty of storage in small space. More complete information available from National Steel Cabinet Company, Dept. AB, 2415-25 N. Pulaski Rd., Chicago 29, Ill.

Circle No. 5052 on reply card, p. 132.



### Lavatory available in two sizes

Eljer's new vitreous china lavatory, the "Plaza," is available in either 18x15" or 19x17" sizes. This wall-hung lavatory has softly rounded edges, a wide shelf and a concealed front integral overflow with an anti-splash rim which provides a smooth, unbroken back surface. Available in white and seven colors. Complete information from Eljer Div., Murray Corporation of America, Dept. AB, 3 Gateway Center, Pittsburgh 22, Pa.

Circle No. 5053 on reply card, p. 132.

## The "ARDOX" Spiral Nail



# NOW! A Spiral Nail for less than the cost of a common nail

Jones & Laughlin introduces the new threaded-to-the-head "ARDOX" spiral nail to American markets. This superior nail, with all the advantages of extra holding power, ease of driving, and less splitting *actually costs less than the familiar, smooth, straight-shank nail.*

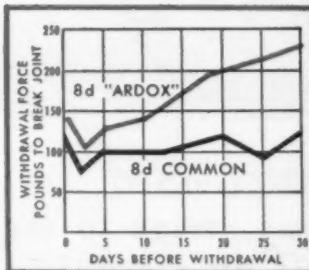
These established advantages are made possible by a major development in spiral nail-making technique, utilizing J&L quality, higher carbon steel.

Write for complete information on how "ARDOX" full spiral nails can improve your operations and cut your costs. Write to the Jones & Laughlin Steel Corporation, Dept. 493, Pittsburgh 30, Pa.



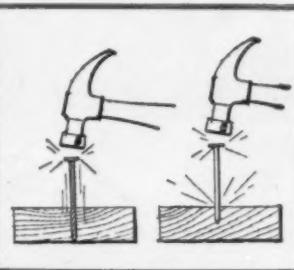
**Jones & Laughlin**  
STEEL CORPORATION · PITTSBURGH

MAY 1957



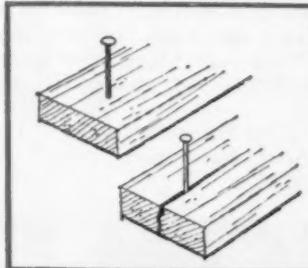
### INCREASED HOLDING POWER

The "ARDOX" full spiral shank nail develops up to twice the holding power of equivalent common nails . . . gives you stronger, longer-lasting construction. Graph compares eight penny nails driven into white pine, 10% moisture.



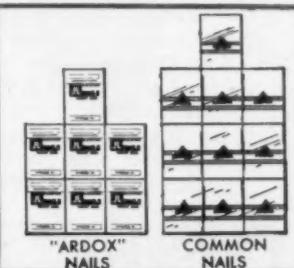
### EASIER DRIVING

Despite its greater holding power, the "ARDOX" spiral nail actually requires less driving force. It speeds construction, reduces operator fatigue. Laboratory and field tests prove that "ARDOX" spiral nails are as much as 30% easier to drive.



### LESS SPLITTING

The "ARDOX" spiral nail turns like a screw when driven . . . threads its way into the wood with minimum fiber damage. The stiffer shank of the "ARDOX" spiral nail, with less bulk of metal, greatly reduces the tendency to split.



### COST SAVINGS

"ARDOX" full spiral nails, because the greater count per pound results in lower cost per nail, cost less per job than equivalent common nails. Additional cost savings result from lower transportation, handling and storage charges.



**Shure-Set<sup>®</sup>**  
**anchors furring strips to masonry**  
**—as if by magic!**

Fastening into masonry and concrete is simple with SHURE-SET. Just a few hammer blows and the drive pin is set straight and true. No bend, bounce or buckle. SHURE-SET eliminates the danger and annoyance of concrete nails. No drilling, filling, or plugging as with other fastening methods.

SHURE-SET drives like a nail, holds like an anchor. Does a 15-minute job in 30 seconds! Save your time, temper and money. Get SHURE-SET for every job involving masonry and concrete.

It's worth looking up the SHURE-SET dealer in the yellow pages of your phone book, listed under "TOOLS—RAMSET". Or write for free new catalog.

<p><b>Shure-Set</b>  <small>Trademark</small>  <b>HAMMER-IN FASTENING TOOLS</b>  <small>PATENTS PENDING</small>          BY THE MAKERS OF <b>Ramset</b>® PRODUCTS</p>	<p><b>Ramset Fastening System</b>  <small>WINCHESTER-WESTERN DIVISION</small>  <small>OLIN MATHIESON CHEMICAL CORPORATION</small></p>
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12113-E BEREA ROAD

CLEVELAND 11, OHIO

**American Builder** **New products**

**BATHS & PLUMBING**



**Glass shower enclosure adds bath convenience**

Custom glass shower doors and tub enclosures which are designed to meet the growing demand for more compartmentalized baths, provide beauty as well as practicality. Enclosures of translucent glass assure natural light yet complete privacy. Available in custom design and special glass finishes to meet individual needs. Pictured above is the popular combination water closet and shower enclosure. More information from American Shower Door Co., Dept. AB, 936 N. Cahuenga Blvd., Hollywood, Cal.

Circle No. 5054 on reply card, p. 132.



**Large mirrors give multi-angled reflection**

A new concept in bathroom luxury and design is a medicine cabinet recently introduced by Mirro-Chrome Co. Two elegantly framed mirrors open easily to give reflection from any angle. Contains ample storage space provided by slip-proof shelves. Four modern design models are available in two popular sizes. From Mirro-Chrome Co., Inc., Dept. AB, 250 W. 57th St., N.Y. 19, N.Y.

Circle No. 5055 on reply card, p. 132.

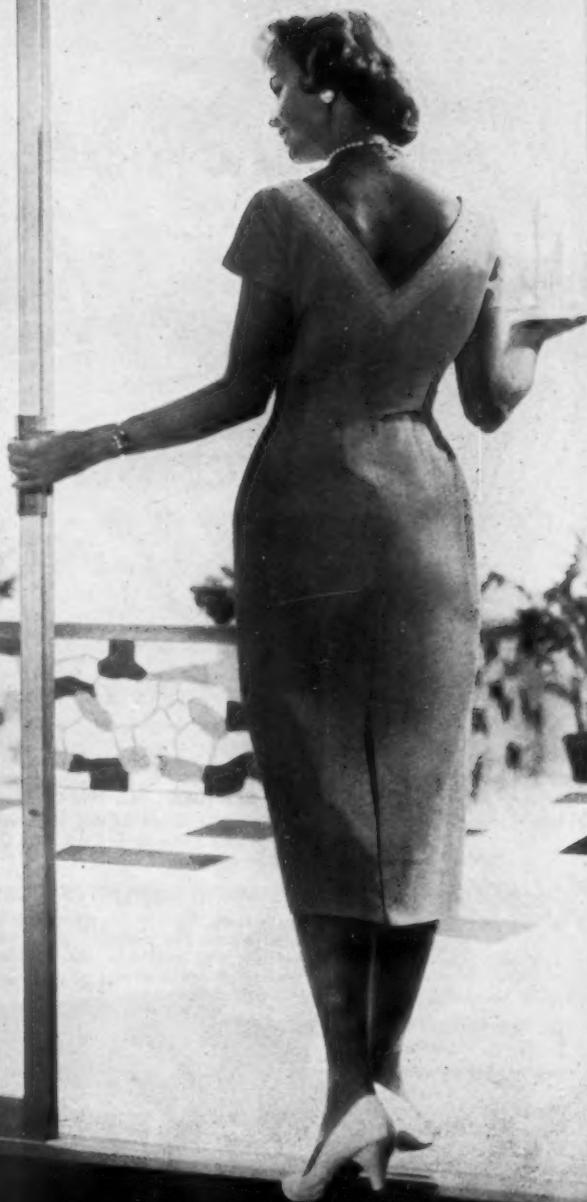
# When they open *these* doors, you'll close more sales

## LUPTON WEATHER-TIGHT ALUMINUM SLIDING DOORS

Modern homes equipped with handsome, low-cost Lupton Aluminum Sliding Doors have a plus value to prospective buyers.

Show *your* prospects the Lupton door installation . . . slide the smooth-running, quiet panel . . . and watch eyes light up. Quality is easy to see and feel in the Lupton Sliding Door. Two-, three-, and four-panel styles available in stock sizes with over-all widths from six to twenty feet. Weather-tight construction, precise leveling adjustment, choice of smart aluminum or Lucite pull-handle, low-sloped threshold—all these features, and more, help sell Lupton Sliding Doors to your customers.

For quick service on Lupton Aluminum Sliding Doors and the many popular Lupton Windows, call your Lupton representative or distributor—look in the Yellow Pages under "Windows and Sash—Metal."



# LUPTON

METAL WINDOWS • SLIDING DOORS

MICHAEL FLYNN MANUFACTURING CO.

Main Office and Plant: 700 E. Godfrey Avenue, Phila. 24, Pa.  
West Coast Offices and Warehouses: 2009 East 25th St.,  
Los Angeles 58, Calif.; 1441 Fremont Street, Stockton, Calif.  
Sales representatives and distributors in other principal cities

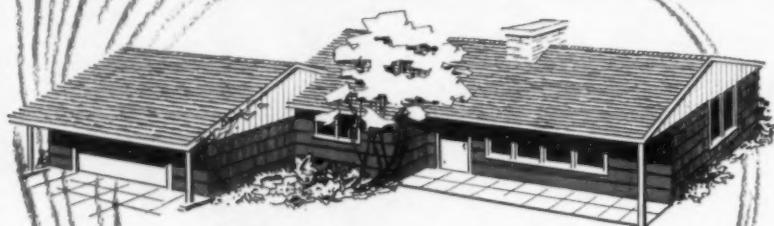


Here's how the panels slide on three- and four-panel styles.

# *Faster* COVERAGE



**SAVE UP TO 70%  
ON APPLICATION TIME**



**Shakertown<sup>®</sup>  
GLUMAC<sup>®</sup> UNITS**

U. S. Patent 2,232,786. Other U. S. and Foreign Patents Pending

*Red Cedar* SHAKES IN PANELS 46 $\frac{3}{4}$ " LONG

Glumacs go up faster because they are made in long, easily-installed pre-stained sections. Easy to cut with insulation knife. The time you save is money in your pocket.

*Red Cedar* SHAKES BONDED TO INSULATION BOARD

Shake and insulation all in one unit. No undercourse is necessary. Install them in any weather. Glumac saves you up to 70% in application time.

*Red Cedar* SHAKES WITH MATCHING COLORED NAILS

Only Shakertown provides matching colored nails in all 12 pre-stained colors. No touching up to do. Matching color metal corners also available. Start selling the house the day the exteriors are finished.

Carton-Packed  
Easier to Handle  
Protects the Finish

Write for  
Your FREE "Profit  
Builders—1957"



**Shakertown<sup>®</sup>**

**FIRST NAME IN  
CEDAR SHAKES**

**THE PERMA PRODUCTS COMPANY**  
20310 KINSMAN ROAD • CLEVELAND 22, OHIO

**American  
Builder**

**New products**

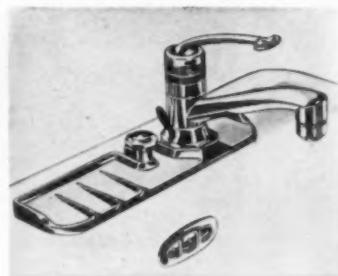
## BATHS & PLUMBING



### Lavatory designed for small space

Newly introduced is a very small counter-top lavatory (16"x14") which is ideally suited for the modern home's half bath. Comes in seven colors to fit any decor, such as azure blue, bermuda coral, fern green, mellow red, oriental ivory, quaker gray, and tropic tan. This style is also available in two larger sizes. More complete information may be obtained from Richmond Plumbing Fixtures Div., Rheem Mfg. Co., Dept. AB, 16 Pearl St., Metuchen, N.J.

Circle No. 5056 on reply card, p. 132.



### Single-handle faucet adds new convenience

One motion of the hand controls both water volume and temperature with a single-handle faucet. Offers such advantages as convenience, sleek appearance, and trouble-free operation. Desired temperature and rate of flow . . . any variation from full hot to full cold, from trickle to torrent . . . are instantly achieved. Models for both kitchen and baths are available. For more complete information on this product, contact Gyro Brass Manufacturing Corp., Dept. AB, St. Urban Ave., Westbury, L.I., N.Y.

Circle No. 5057 on reply card, p. 132.

**ROPER**  
"arRANGEable"

**BUILT-IN GAS RANGES**  
with "TEM-TROL"...



**FINEST AUTOMATIC TOP BURNER!**  
Controls Heat... Clinches Sales

## Give the Lady What She Wants



Your most important customer... Mrs. Housewife... prefers the wonderful peace of mind and worry-free cooking she will enjoy with Roper "Tem-Trol" automatic top burner. No burning... no scorching... no boil-over. The Roper name is her assurance of finest quality. It signifies top value, and helps you sell houses faster. Send for details today.

- ★ Roper "Tem-Trol" Makes Any Utensil Automatic
- ★ Oven-Broiler Unit Excels in Performance... Thrifty, too
- ★ 13 Decorator Colors Flatter Any Kitchen
- ★ Easy to Install... Roper Fits Most Popular Cabinets

GEO. D. ROPER CORPORATION, Rockford, Illinois  
I'm interested! Send me full details on Roper Built-Ins with "Tem-Trol."

Firm Name \_\_\_\_\_

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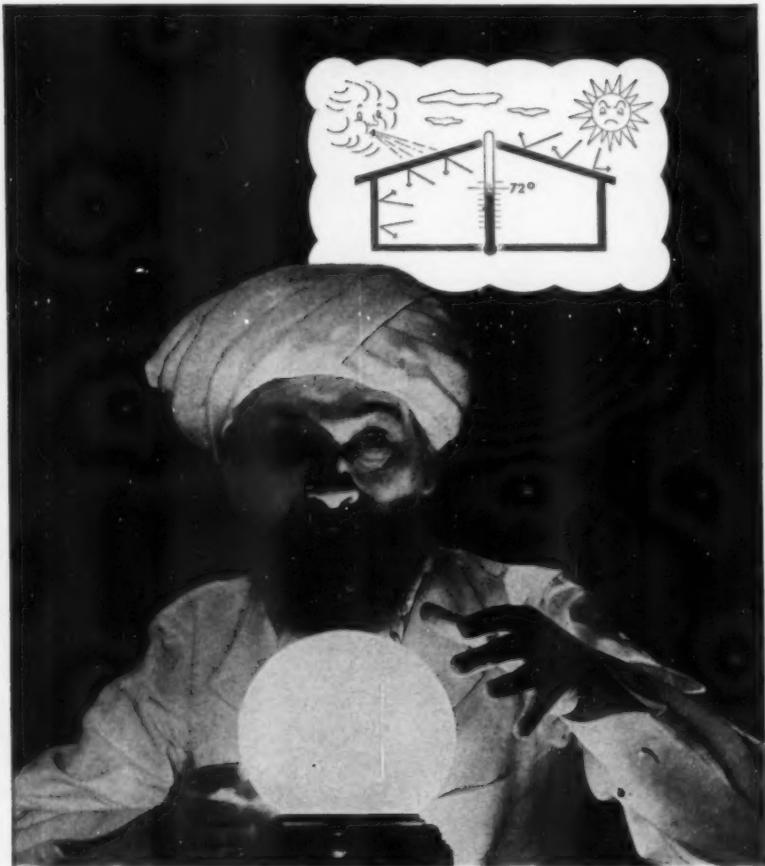
City \_\_\_\_\_ State \_\_\_\_\_

I am a \_\_\_\_\_  
(Type of Business)

My supplier is \_\_\_\_\_  
(Name)

\_\_\_\_\_  
(Address) AB557

**GEO. D. ROPER CORPORATION • Rockford, Illinois**



... In the future, you'll build more  
and more homes comfort protected  
with \***REFLECT-O-RAY**

Truer words were never spoken, Swami. With insulation materials faced with REFLECT-O-RAY you build in year 'round comfort at lower cost. REFLECT-O-RAY combines millions of sparkling aluminum flakes with tough, durable backing paper to produce a highly efficient heat reflective surface. Each flake, acting as a tiny mirror, bounces back summer

sun to keep homes cool inside — reflects furnace heat, to arrest its escape in winter. REFLECT-O-RAY is a natural "breather" sheet, too, safeguarding against damaging condensation build-up without loss of reflective quality. For comfort everybody can afford, ask for, and use insulation materials faced with REFLECT-O-RAY. You'll satisfy more customers, more often!

REFLECTIVE "BREATHER" SHEET FACING  
FOR INSULATION BLANKETS AND BATTS UTILIZING  
ON THESE AND OTHER FAMOUS BRAND INSULATIONS:



REFLECT-O-RAY is a tough, durable  
Aluminum Pigmented product of

**THE APPLETON COATED PAPER COMPANY**  
APPLETON, WISCONSIN



**American Builder** New products

**BATHS & PLUMBING**

**Booster pump will develop greater pressure**

The One-inch PR Series booster pump is designed especially for in-the-line installation in circulating water systems requiring additional pressure without additional pumping capacity. Ideally suited to combination heating and cooling systems, and especially well adapted to recirculating faucet systems in the home, providing hot water instantly available at all fixtures. Bell & Gossett Co., Dept. AB, Morton Grove, Ill.

Circle No. 5058 on reply card, p. 132.

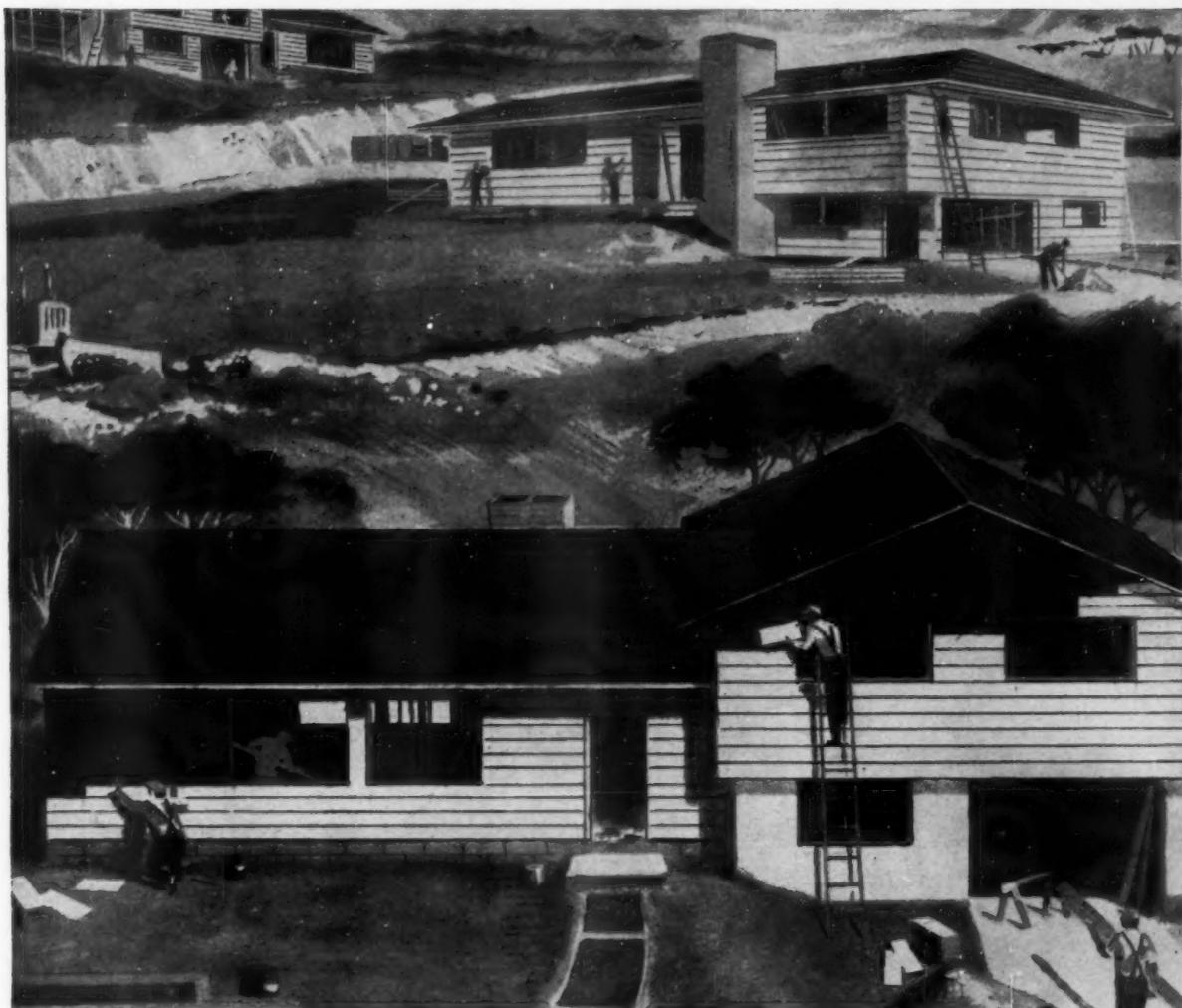
**DOORS & HARDWARE**



**Folding doors feature full width access**

Outstanding feature of Style-Trend folding doors is that they provide full width access to closets and wardrobes. Available in two modern designs, these wood doors glide on silent nylon bearings, and present no maintenance problems. Installation is fast and simple because doors come packaged as a complete unit. Many practical and space-saving applications for bedrooms, hallways and linen closets. Curtis Companies, Inc., Dept. AB, Clinton, Iowa.

Circle No. 5059 on reply card, p. 132.



## What will it say about you when you've gone?

Those walls and that roof can be an enduring testimonial to you—if you apply K&M Asbestos-Cement Siding and Roofing Shingles.

Think of the lasting reputation you build with this house and with others after it, if you are known for using quality materials like K&M Shingles.

To the owner, and to everyone else who admires the house, K&M Siding Shingles, with their bright modern colors, promise years of colorful beauty. When applied to produce clear and pronounced horizontal shadow lines, K&M Shingles give any house a modern look. Made of asbestos fiber and portland cement, they won't burn, rot, or corrode, and they never need protective painting. They become harder with age... last the life of the house. The same is true of K&M Roofing Shingles, in appealing colors and designs to suit any type of architecture.

See our catalog in the Light Construction File (Sweet's), and then speak to your building supply dealer. Or write to us for full information about K&M Shingles. It's good business to use them!



**SILICONED TO CARRY OFF WATER-BORNE DIRT**  
K&M Siding Shingles are silicone-treated. Thus water "balls-up", rolls off, doesn't easily gain a foothold to produce unsightly streaks.



KEASBEY & MATTISON Company • Ambler • Penna.



# Unique

## SASH BALANCES

...the BACKBONE of good double-hung windows

ARE USED EXCLUSIVELY IN

# air·loc®

TAKE-OUT WINDOW HARDWARE for the window with sales appeal



## AND UNIFLEX

... the ALL NEW WEATHERSTRIP and TRUE SASH BALANCE COMBINATION

See your Lumber and Millwork Supply Dealer TODAY about these high-quality competitively priced window products.

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UNIQUE BALANCES  AIR·LOC  UNI-FLEX

CHECK and CLIP TO YOUR LETTERHEAD

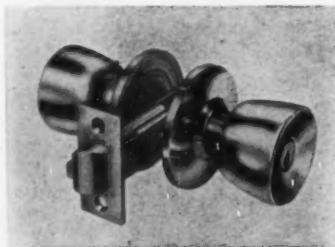
# UNIQUE BALANCE CO.

41 MAGEE AVE., STAMFORD, CONN.

Unique Sash Balances—Sold the world over!

American Builder New products

### DOORS & HARDWARE



#### Tulip creation enhances lockset design

The latest adaptation of the popular tulip design contains all the quality features of the well-known E-Z-Set line of locksets. With just three pre-assembled units, this lockset insures easy installation. The tulip is available in matching design for passage, bath, and closet in all standard finishes. Gives matched decorator look to all doors throughout the house. Has self-aligning thru-bolts, and is guaranteed for smooth, trouble-free operation. More information from National Hardware Mfg. Corp., Dept. AB, Ozone Park, N.Y.

Circle No. 5060 on reply card, p. 132.

### BUILDING SPECIALTIES



#### Time and labor saving advantage of steel bridging

A modern and advanced method of supporting floor and ceiling joists with steel bridging results in sounder construction and saving in labor of installation. Exline bridging is made from medium gauge steel, and has tensile strength greater than wood bridging. Also features a black protective rust-resistant coating for longer wear and maintenance savings. More complete information on this product may be obtained from Exline Manufacturing Co., Dept. AB, Miamisburg, Fla.

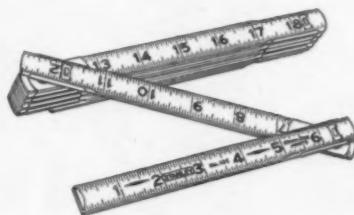
Circle No. 5061 on reply card, p. 132.

## Can't read it?



next time, say **STANLEY!**

It's not your eyes, it's those invisible markings. If you can't see 'em, you can't read 'em! Next time get a rule with markings you can read. Ask for a rule that lasts longer. Be precise... say Stanley, it's a good rule.



#### Permanently Lubricated

Take this Stanley 6 ft. No. 106 for example. No comparable rule reads easier longer. It never shows early symptoms of "outside stick fadeout." The numbers are bold, black Gothic. The graduations are sharp, clear indentations. And all markings are protected with a long-wearing plastic finish. The joints are smooth working, too, and they stay that way. They have been permanently lubricated. Don't get your eyes checked, get a new rule, and this time say Stanley when you buy.

#### Wide Tape



Do you carry a tape rule? Here's a big one with a big extra. Wide blade helps keep tape rigid for extended measurements. Try one. Ask for 10 ft. No. 3610W or 12 ft. No. 3612W. Be precise... say Stanley.

Stanley Tools, Division of The Stanley Works, New Britain, Connecticut

# STANLEY

The Tool Box of the World

AMERICAN BUILDER

**SALES SECRET:**  
Tell Buyers it's a  
**Lifetime Roof**

The traditional beauty of thatch design, combined with lifetime durability, makes Ruberoid American Thatch asbestos roof shingles a powerful new sales feature for any home. Wearproof, rotproof and fireproof, American Thatch shingles are locked down against storm damage by copper anchors, give buyers impressive extra proof of new house quality.

**SPECIFICATIONS:**

Av. Approx. Wt./Sq	.....258
Pieces/Sq	..... 80
Bundles/Sq	..... 4
Sidelap	..... 4"
Headlap	.....2½"
Nails/Sq	.....160
(Copper Storm Anchors furnished)	

**RUBEROID**

*American Thatch*<sup>®</sup>

(Pat. No. 2,687,701)

**ASBESTOS ROOF SHINGLES**

**ASPHALT AND ASBESTOS BUILDING MATERIALS**

For more information, ask for American Thatch<sup>®</sup> folder # 1343 — write The Ruberoid Co., 500 Fifth Avenue, New York 36, N. Y.



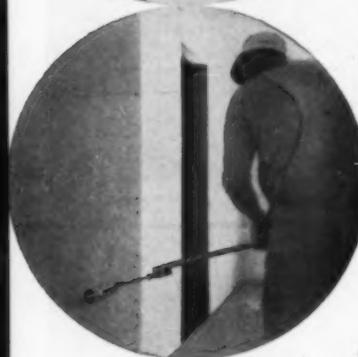
**One Coat**



**One Painter**



**One Day**



**One Wall Finish . . .**

## **ARCO ALKYD RIPPLE TEXTURE**

Paul J. Emch, well-known  
Rittman, Ohio, builder, reports . . .

"Arco Ripple Texture certainly goes on fast. We've found it takes one of our men only a day to completely paint the interior of a 3-bedroom home. One coat does it, even over taped joints—and we don't have to use a sealer. For economical performance plus pleasing appearance, it's tops."

Why not take a tip from Mr. Emch. Combine beauty with real economy and decorate with Arco Alkyd Ripple Texture Wall Finish in six colors.

**FREE Arco Color  
Styling Kit!**



### **THE ARCO COMPANY**

7301 Bossomer Avenue • Cleveland 27, Ohio

Gentlemen: Please send me Arco's new Color Styling Kit complete with 111 professionally styled color schemes and 57 swatches to guide me in color styling and plot development.

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**American  
Builder**

**New products**

### **TOOLS & EQUIPMENT**



#### **Counter-rotating transmission feature of loader**

New Model 800 Case-TerraTrac loader features the new counter-rotating Terrmatic transmission with torque converter drive which provides complete independent power control of each track, power steering, power brakes, and non-stop forward and reverse speeds. Another advantage is new torsion bar track suspension with full equalization of load, as well as cushioning action. More detailed information is available from J. I. Case Co., Dept. AB, Racine, Wis.

Circle No. 5062 on reply card, p. 132.



#### **All-purpose concrete mixer at popular price**

"Dandie Junior" concrete mixer is of rugged, lightweight construction. Has a high production rate of three and a half cubic feet of mixed concrete plus 10 per cent overload. Powered by air-cooled gasoline engine or electric motor. Drum opening and charging height provide fast, easy loading. Mixer is specially constructed for long life, easy operation and low maintenance. Complete information may be obtained from Kwik-Mix Co., Division of Koehring Co., Dept. AB, Port Washington, Wis.

Circle No. 5063 on reply card, p. 132.

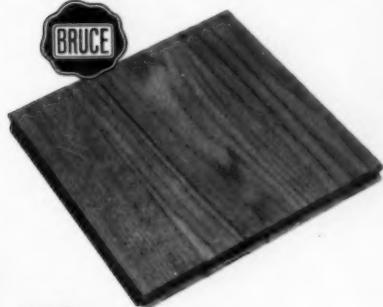
**AMERICAN BUILDER**



## Beautify with blocks

Bruce Block Flooring is distinctively different, yet stylishly right for all homes. The modern geometric pattern is high in decorative interest and there's always-appealing beauty in the grain and coloring of this solid oak floor. Bruce Blocks may be blind-nailed to wood subfloors or laid in mastic on concrete. They are available with the famous cost-saving Bruce factory finish or for on-the-job finishing. Write for color booklet. See our catalog in Sweet's Files.

E. L. BRUCE CO.  
Memphis 1, Tennessee



# Bruce Block

Hardwood Floors

*Naturally Beautiful*

Furniture by Knoll Associates, Inc.  
Photo by Hedrich-Blessing



Wall is of 4' x 8' Birch V-Plank\* panels, with matching Weldwood hardwood moldings. Weldwood Bi-Fold closet doors (right) are birch-faced, have cores of non-warping Novoply.®

## How to brighten your sales picture—with Weldwood Birch Paneling

People like wood. So, one Weldwood Paneled wall, like this, might be the very feature that will help you sell a home quickly!

The paneling is beautiful, comes already finished, waxed and rubbed like fine furniture. It takes your men almost no time at all to install it—and it's a sure "stopper" for any prospective buyer. Best of all, the retail price for all the Birch Paneling shown here is just \$65.

Put Weldwood Paneling to work for you in the next

home you build. Weldwood Paneling is a silent salesman that speaks volumes for you. See a full Weldwood Paneling display at your Weldwood dealer's or any of our 87 offices. New York Showroom: 55 W. 44th St. In Canada: Weldwood Plywood, Ltd.

\*Trademark



**WELDWOOD**® WOOD PANELING—

A PRODUCT OF

**UNITED STATES PLYWOOD CORPORATION**

WELDWOOD—The Best Known Name in Plywood



# New Saws designed with YOU in mind... by *Black & Decker*®

## Board for board—job for job— Black & Decker Saws outcut 'em all!

On-the-job tests prove new B&D Saws outcut, outperform, outlast other builder saws—with power to spare!

New streamlined lightness and balance, easy depth and bevel adjustments, added safety features, plus plenty of long-lasting, rugged power. Black & Decker Heavy-Duty Saws are best because they're made better . . . they're best because they're easy to control *in* the wood! On display . . . *now!* For more information, write: THE BLACK & DECKER MFG. CO., Dept. H-105, Towson 4, Maryland.

Choose from 4 Builder models



Look under "Tools-Electric"



# Black & Decker®

World's Largest Maker of  
Portable Electric Tools



### BUILDER'S BEST BUY

- **NEW POWER**—Cooler running B&D-built motor is custom-engineered for tough sawing jobs, continuous operation.
- **NEW HANDLING EASE**—Streamlined lightness and balance, easy depth and bevel adjustments, added safety features, guarantee better control of saw in the wood.
- **NEW RUGGEDNESS**—From the motor out . . . your Black & Decker Saw is built to last for years of rugged, dependable sawing. Unsurpassed B&D quality!
- **NEW VISIBILITY**—New picture-window view, new double guide edge make line-of-cut and cutting edge of blade visible at all times. New air flow blows sawdust clear of job, clear of your eyes.

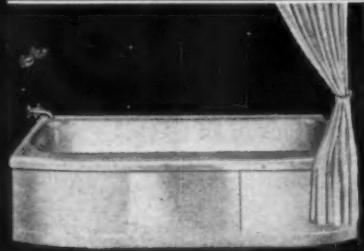
# **CRA**

**NOW..a complete line  
of porcelain · on · steel  
fixtures from Crane :  
CRANE CRESTMONT**

**BATHTUBS · LAVATORIES AND SINKS**

# NEE

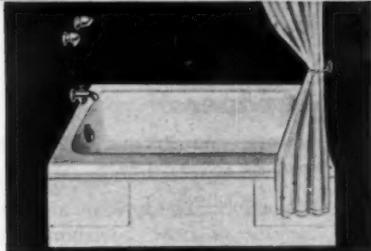
## The Preferred Plumbing



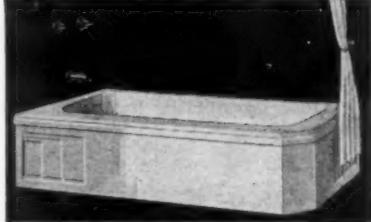
**Ohio**—Formed of 12-gauge metal—strongest steel tub made. Graceful Henry Dreyfuss styling. Five-foot x 32½" wide.



**Olympic**—Strikingly modern panel design by Henry Dreyfuss. Five-foot x 31½" wide. Also, four-and-one-half-foot size (30½" wide).



**2-185 bathtub** (Receptor type)—Makes possible a complete bath in limited space. 42" x 30½" wide.



**Omega**—For bigger bathrooms where corner installation is desirable. Wide seating rim on side and end. Five-foot x 31½" wide.

Crestmont fixtures by CRANE, give you the selling help of the foremost name in plumbing.

The Crane Crestmont line includes a wide selection of the finest steel fixtures available. You get the biggest choice of steel bathtubs on the market, plus the advantage of Henry Dreyfuss styling. And four different styles of lavatories and 8 kitchen sinks in Crestmont's 18 models. Each fixture available in six beautiful

Crane colors as well as white.

Crestmont fixtures are extra rugged. And, the satin-smooth porcelain finish is fused on by an improved process that assures long-lasting, gleaming beauty. Crane Dial-ese controls available on all fixtures.

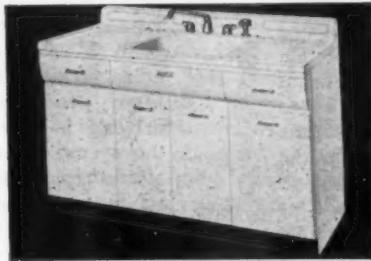
Get complete details on finest porcelain-on-steel fixtures made. See your Crane Branch or Crane Wholesaler right away.



**CRANE CO.** 836 South Michigan Avenue, Chicago 5  
VALVES • FITTINGS • PIPE • PLUMBING • KITCHENS • HEATING • AIR CONDITIONING



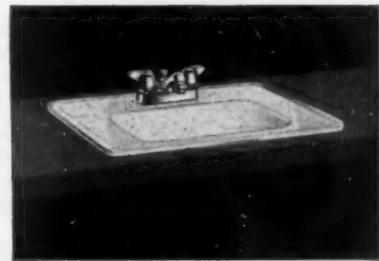
**5-140-S Sink**—Flat rim sink for counter-top installation available with or without faucet ledge. Big, deep basins are 14" wide, 8" deep.



**5-118-S Sink**—One piece double drainboard single basin sink with Crane undersink cabinets for storage. Overall size 54" x 25".



**Sterling**—Lavatory for installation: with or without legs. Large, deep basin, handy shelf space. Size 20" x 18".



**Stafford**—Flat rim lavatory for counter-top installation. Hidden overflow under rim in front. Big, deep basin. Size 21" x 17".

**Looking for ways to up sales?****Here's how other builders do it.****Capsule-case histories highlight objectives, techniques, results****Newspaper****BUILDER:** Gordy & Co., New Castle, Del.**TYPE OF ADVERTISING:** Display

Objective: To develop an outstanding community of over 200 homes in \$20,000-up bracket. Campaign began last December in the *Wilmington News*, is scheduled to continue till September. Cost during first two months was \$2,600. Results: 35 houses were sold. Says builder Ralph E. Gordy: "Average cost for advertising per home sold has been around \$74, a figure we regard as remarkably low, considering the price class of the homes involved."

**Television****BUILDER:** Edward C. Ryan Inc., Pittsburgh**TYPE OF ADVERTISING:** Five-minute sportscast

To show slides and films of its homes, the company sponsored a five-minute sportscast over KDKA-TV every Friday evening from April through September 1956. It cost \$425 a week. Results? An average of 1,500 persons inspected the homes each weekend.

**Transportation****BUILDER:** Fort Wayne Parade of Homes and Exposition**TYPE OF ADVERTISING:** Bus cards

A month before National Home Week, the Home Builders Assn. of Fort Wayne bought space on the inside and outside of local buses to promote the show. From August 24 to September 23, 11x42-inch cards featured the Parade, which included new designs in the \$15,000-\$21,000 class, new home aids and equipment. Ad space, bought from Fort Wayne Transit Inc., cost \$494. Most sample houses were purchased in the seven-day showing and "a surprising number of subsequently productive leads" were obtained.

**Radio****BUILDER:** Cayuga Masonry Corp., Cheektowaga, N. Y.**TYPE OF ADVERTISING:** Participations

In recent months Cayuga has built over 100 units in what will be a subdivision of 700 all-brick homes. Each Sunday for more than a year now it has sponsored a local favorite, "Stan Jasinski's Polish-American Program," on WKBW, Buffalo. Its announcements, aired between noon and 3:30 p.m., tell price, give locations, and list features. Cost: \$30 weekly; more than \$3,000 in two years. At times the campaign has had to be cut back to let building catch up with orders.

**Newspaper****BUILDER:** Francis Construction Co., Tulsa**TYPE OF ADVERTISING:** Display

In August 1955, Francis began a campaign including the use of full- and half-page ads announcing the opening of subdivisions. Follow-up ads of two and three columns by five to seven inches appeared three times a week. Altogether, from then until February 1957, the company used over 33,000 lines of space at 31 cents a line and sold 428 houses in subsequent additions. In one eight-day period last summer the builder sold 60 homes.

**Outdoor****BUILDER:** Bayview Estates Inc., Port Washington, N. Y.**TYPE OF PROMOTION:** After-dark showing

To stimulate week-day traffic for the opening of its newest development last fall, Bayview stayed open till 11 at night. Did it work? Between 6 p.m. and 11 p.m. more than 425 couples showed up, according to builder Stanley Michaelson. And this was on a Monday. But it topped the turnout of the entire previous week, excluding the weekend. Newspaper ads announced the event beforehand. Powerful spotlights flooded the site, searchlights attracted attention from surrounding areas. Why such success? Says Michaelson: Many people avoid daytime and weekend driving; baby-sitters are more available in the evening; couples find more leisure time after supper; women can't house-hunt themselves during the day.

**For another merchandising idea in action you can profitably put to use, see opposite page**





"We give overnight service as far as 200 miles away",

Bill Medlyn, Long Island City.



"We ship windows the day we get the order,"

Ed Rouston, Detroit.

## 23 TRUSCON WAREHOUSES

*help builders keep jobs moving*



"If our dealer doesn't have it in stock, we do,"

Dee Jones, Cincinnati.



"You name it, we've got it... ready to go,"

Al Watson, Houston.

# REPUBLIC



*World's Widest Range of Standard Steels*

## *In Warehouse Stocks:*

### TRUSCON SERIES 138

... world's most popular steel double-hung window. Truly, the trouble-free window. Top quality at low installed cost. Comes complete with all hardware and stainless steel weatherstripping built in. Stays easy to operate because steel can't swell, warp, shrink, rot, so windows can't stick. Steel sash sections are attractively slim. Simply paint to match interior and exterior colors. Send coupon for tables of types and sizes.



Take the word of these four Truscon warehouse superintendents who are typical of all 23, coast to coast. They're in business to serve you—to back up Truscon dealers with complete stocks—so your jobs won't have to wait for materials.

They keep complete stocks of factory-fresh steel and aluminum windows, interior steel doors, reinforcing products and other Republic-Truscon building products in clean, well-organized warehouses. As Al Watson, Truscon warehouse superintendent in Houston says, "You name it, we've got it... ready to go."

Full-time warehouse support is another reason why it pays builders to standardize on Truscon. Truscon not only offers you the best in metal building products but sees that they are there when you need them.

Check with your Truscon dealer or your local Truscon district office. You'll like the service ... and the products.

### ALUMINUM JALOUSIES AND AWNING WINDOWS

... built and backed by Truscon. New Truscon Jalousies are highest quality extruded aluminum throughout. Weatherstripped with stainless steel and vinyl plastic for use as prime windows, porch enclosures, breezeways, interior room dividers. Truscon Aluminum Awning Window, Series 400A, features highest quality construction ... complete size range ... center operation; completely shop assembled ... weatherstripped ... competitively priced. Send coupon.

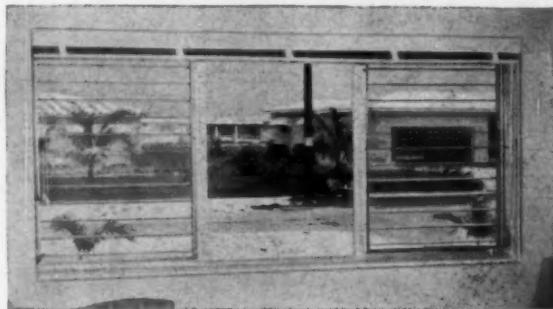
# STEEL

*and Steel Products*



### TRUSCON INTERIOR STEEL DOORS

... Slide and Swing Types. You save dollars on framing, hanging, fitting and finishing these modern doors. Door frames easily assembled and erected in minutes. Frames are finish trim and molding, too. Closet doors glide noiselessly on nylon. Swing doors are sound-deadened. One-coat painting to match room decoration completes the job. Send coupon for tables of types and sizes.



#### REPUBLIC STEEL CORPORATION

Department C-3263

3128 East 45th Street • Cleveland 27, Ohio

Sure, I want to keep jobs moving. Send me type-and-size information on:

- Truscon Interior Steel Doors       Truscon Aluminum Awning Windows  
 Truscon Jalousies       Truscon Series 138 Double-Hung Steel Windows

Name \_\_\_\_\_ Title \_\_\_\_\_

Firm \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_



Oak Laminated Block

### Now! Wood-Mosaic's Laminated Block Flooring with New "Diamond Lustre" Finish

The amazing, new "Diamond Lustre" finish developed by Wood-Mosaic provides an unusually high degree of lustre to hardwood block flooring. Exhaustive laboratory tests have proven this new finish to be not only water-resistant and unaffected by heat or cold, but ordinary household spills such as fruit juices, alcohol, ink and the like will not affect it. "Diamond Lustre" finish provides three to four times greater wear resistance.

Wood-Mosaic Laminated Hardwood Block floors with "Diamond Lustre" finish are the most rewarding investment you can make in a home. They are as economical as they are beautiful. Shipped to your construction site ready for installation, completely pre-finished . . . a time and money saver on any job. Laminated Block is available in a variety of woods. Consult your nearest dealer or write direct to

### Wood-Mosaic

PARKAY Division  
LOUISVILLE, KENTUCKY  
Maker of the World's Finest  
Hardwood Flooring since 1883



Acme Supermarket, Clifton Heights (Philadelphia); Contractor: Wallace Engineering and Construction Co., Bryn Mawr (Philadelphia); Architect: Kelly and Gruzen, New York.

"Our schedule for erection was six weeks but these members were erected in three weeks, thereby saving us half the scheduled erection time," writes the contractor. "The precision of fabrication made it very easy for us to erect these members" . . . and further, "our client is very pleased with their appearance."

Speed, economy, appearance — Rilco arches, beams, trusses offer these plus firesafe construction and assured delivery. And Rilco members arrive on the jobsite prefabricated, precut and drilled for hardware furnished . . . ready for a professional-looking job using unskilled labor.

Such laminated members may be the answer to one of your construction problems.

**RILCO**  
*works wonders with wood*

**RILCO LAMINATED PRODUCTS, INC.**

W811 First National Bank Bldg.  
Saint Paul 1, Minnesota

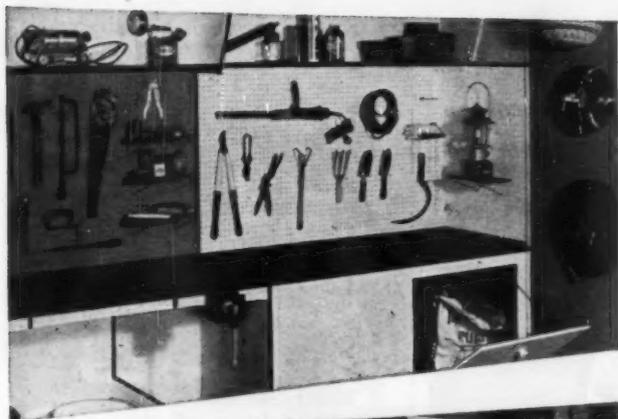
District Offices: Newark, N. J.  
Fort Wayne, Ind., Tacoma, Wash.

# MASONITE

## PEG-BOARD

PANELS AND FIXTURES

*the "big-little" feature  
that sparks more sales!*



*"big"*—in its appeal to home-seeking families. They're quick to see the convenience of Masonite® Peg-Board® panels and fixtures for handy vertical storage, for easy-to-change decorative walls. Big in its appeal for school buildings, stores, offices and factories, too.

*"little"*—in cost and application time. These sturdy, grainless panels are easy to cut and fit. Take all kinds of surface finishes beautifully.

*All*—your lumber dealer about the Peg-Board system for modern construction ideas. Six panel types, three thicknesses, six standard sizes. Over 75 fixtures. Or send the coupon now.

©Masonite Corporation—manufacturer of quality panel products.



MASONITE CORPORATION  
Dept. AB-5, Box 777, Chicago 90, Ill.  
Please tell me more about Peg-Board and other  
Masonite panels.

Name .....

Firm .....

Address .....

City..... State .....

Zone..... County..... State .....



**This is the booklet your customers are DEMANDING!**  
 FREE . . . this eight-page, beautifully illustrated booklet which outlines in complete detail the closet requirements for each member of the family. "We Planned Our Closets" is available in unlimited quantities to dealers stocking Brown's Super Cedar closet lining.

Supply of Booklets  
 Order your supply of booklets today. Display them conspicuously for maximum customer reception.

Displays . . . Colorful and concise—these attention-getting counter cards are available to every dealer.

Co-ordinated Displays — Build a point-of-purchase display that attracts all eyes — combine your booklets, counter cards, and display packages of Super Cedar — then ring up the sales. Contact your local supplier.

**GEO. C. BROWN AND COMPANY INC.**

**Super Cedar CLOSET LINING**  
 GREENSBORO, N. C.

COAST-TO-COAST  
**the NATION'S BEST**  
**Lux-Right**  
**AREAWALLS**  
 COMPLETE LINE • ALL SHAPES  
 ALL GRADES • ALL SIZES

Originators and Largest Producers Of Steel Areawalls

We fabricate the most complete line of ready-made, easy-to-install, galvanized, one-piece steel window well walls. Any size, height, shape or grade. In this complete line, we have a top-quality areawall for your job.

**THREE SHAPES:** Streamlined-Straight and Round for regular installations, and Square for Accessways and Cosmetics. Special sizes too, including "mammoth specials."

**IMPERIAL LUX-RIGHT**, hand-dip galvanized after fabrication, The National Leader. Economy Lux-Right for medium-priced homes. Thrift-T for low-priced projects.

We prepay freight on 12 units or more.  
 Dealers Everywhore, or write for FREE Folder.

AB-4-7

**SAINT PAUL CORRUGATING CO.**

**Symons STEEL-PLY FORMS**

New design incorporates rigidity and lightness with proven tie system.

**Concrete Forms for Low Cost Foundations**

Symons Clamp & Mfg. Co.  
 4261 Diversey Ave., Chicago 39, Ill., Dept. E-7  
 Please send Steel-Ply Form catalog.

Name .....

Firm Name .....

Address .....

City ..... Zone .....

State .....

# MISTER— YOUR NAILS ARE SHOWING!

better switch to...



**MAZE**

## STORMGUARD

TWICE-DIPPED in MOLTEN ZINC

# NAILS

- NO RUST SPOTS, STAINS, OR STREAKS!
- STRONGER THAN ALUMINUM . . . COST ABOUT 1/3 LESS!
- HARD STEEL CORE . . . DRIVE BETTER . . . HOLD TIGHT!

More and more home builders and prefab manufacturers are finding it pays to use Maze's specially designed, weather conditioned STORMGUARD nails for all exterior applications and materials—WOOD SIDING, CEDAR SHAKES, ASBESTOS, INSULATING, HARD-BOARD SIDING, etc. Available in matching colors. . . . Also nails for all kinds of roofing, roof decking, and trim!

**HOMES BUILT WITH STORMGUARD NAILS ARE EASIER TO SELL . . . CUSTOMERS STAY SATISFIED—FEWER UP-KEEP OR PAINTING PROBLEMS!**

And the difference in cost between STORMGUARDS and ordinary nails is so little!

**TRY 'EM NOW!**  
**FULL RANGE OF SIZES**



(Extra long sizes for nailing roof deck to rafters)  
**Ready-Packed in handy 5 lb. and 50 lb. bulk cartons**

**SEE YOUR DEALER, OR WRITE FOR FREE HANDBOOK AND SAMPLES**

NAME \_\_\_\_\_  
 FIRM \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_

**MAZE NAILS**

"IT PAYS TO BUY MAZE"

## W. H. MAZE COMPANY

PERU ILLINOIS



## Are you getting your share of the \$8 billion remodeling market?

Contractors are discovering that remodeling jobs form an ever-increasing part of their business—and that concrete masonry is a practical and economical remodeling material.

Jobs for which concrete masonry offers many advantages are such projects as:



### NEW BASEMENTS . . .

Concrete masonry is ideal for basement and partition walls and enclosures for laundry equipment and heating plants.

### FIRESAFE ADDITIONS . . .

Using concrete masonry to build an extra room gives growing families firesafe and comfortable additional space.



### NEW GARAGES . . .

Hundreds of thousands of post-war houses were built without garages. Here's a ready-made market for you.

Get your share of the \$8 billion remodeling market. Concrete masonry construction is fast, easy. Write for free book, "Laying Concrete Block," distributed only in U.S. and Canada.

## PORTLAND CEMENT ASSOCIATION

Dept. A5-3, 33 West Grand Avenue, Chicago 10, Illinois  
A national organization to improve and extend the uses of portland-cement and concrete . . . through scientific research and engineering field work.

*For siding, sheathing  
and subflooring, choose  
workable, decay-resistant*

## **Incense Cedar**

**one of the woods from the  
Western Pine mills**

Durable and lightweight, this pleasantly fragrant softwood is in demand for a wide range of residential and industrial construction work where resistance to decay and workability are important.



Write for FREE illustrated Facts Folder about Incense Cedar to: WESTERN PINE ASSOCIATION, Yeon Building, Portland 4, Oregon.

## **The Western Pines**

**Idaho White Pine**

**Ponderosa Pine**

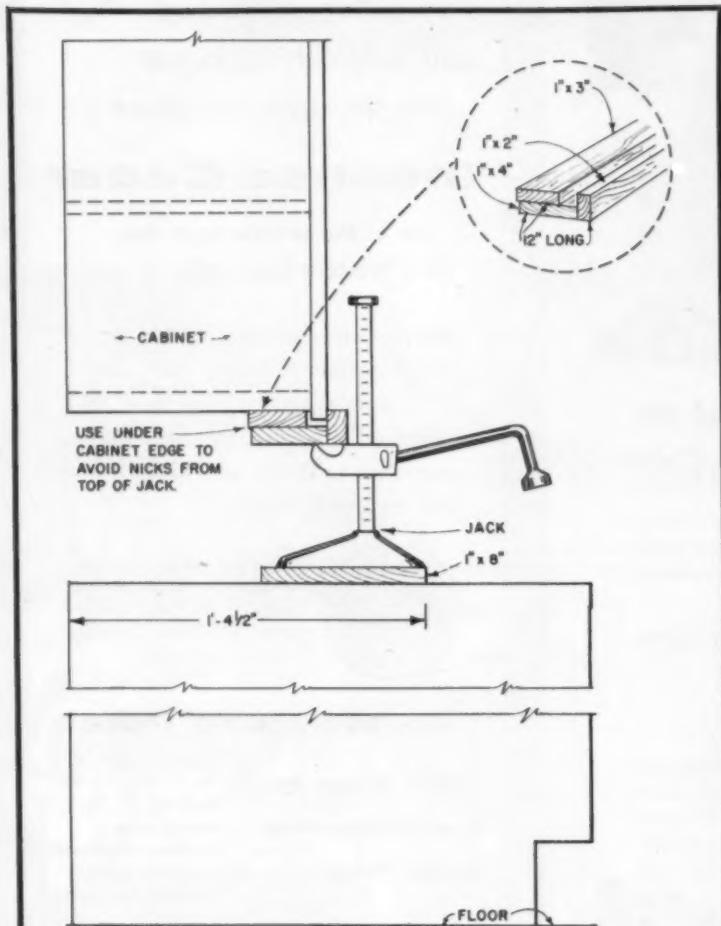
**Sugar Pine**

and these woods from  
the Western Pine mills

WHITE FIR  
INCENSE CEDAR  
RED CEDAR · DOUGLAS FIR  
ENGELMANN SPRUCE  
LODGEPOLE PINE · LARCH

are manufactured to high standards of seasoning, grading, measurement

TODAY'S WESTERN PINE TREE FARMING  
GUARANTEES LUMBER TOMORROW



## Bumper jack becomes the carpenter's helper

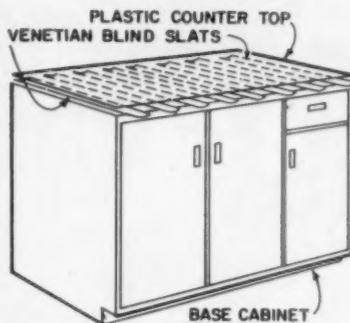
When a heavy wall cabinet has to be raised, positioned, and screwed into place on a kitchen wall, three men are sometimes barely enough for the job. But by using a bumper jack in the manner shown, two men can easily handle the heaviest cabinets.

First, the cabinet is blocked up, one end at a time, until the jack can be slid under it,

in the center, as shown. From there on, it's easy. While one man operates the jack, the other guides and balances the cabinet until it has reached the desired height. Then, while one man levels and holds the cabinet, the other drills and drives the screws.

The built-up piece shown is to protect cabinet edges.

J. Caldwell, San Mateo, Cal.



### Applying plastic counter tops

One-man application of some kinds of plastic counter tops can be done more easily using old venetian blind slats in place of the usual paper slip sheet, which in the case of long counters, requires two men to pull out.

The slats are laid out as shown in the sketch, close enough together so that the bottom of the plastic and the top of the counter do not touch. Then, when the plastic is in position, the slats can be withdrawn one by one with one hand, and pressure applied to the plastic with the other.

W. Anderle, Cameron, Tex.

### Keep grass off walks

Pea gravel makes a very attractive walk or driveway, but in time grass is liable to start growing up through it. This can be prevented by spreading 15# asphalt roofing paper under the gravel. The paper should be broken down the middle of the path to allow water to drain.

M. Sorenson, Dallas, Tex.

### V-joints in plywood

Try this the next time you put knotty pine-veneered plywood on walls or cabinets. Machine a small V-groove along the joint of the plywood veneer, and in between these grooves if they're far apart. The result will be to hide the joints, and also to give a pleasant random board effect.

Small jobs can be done with a moulding cutter on a bench saw, while large ones are best handled with a router.

L. L. Cope, Palmerton, Pa.  
(Continued on page 184)

## Convertible Transit-Level Features New Telescope with 3-ft. Short Focus

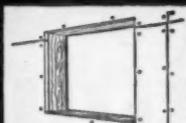


Newly designed optical system in this latest model Berger Convertible produces clear, sharp image over long sights as well as at close distances. Internal focusing 10½" telescope with 22-power coated optics views image *right side up*. Sensitive telescope vial *plus* plate level vial assures accurate leveling. Verniers read to 5 minutes on horizontal circle and vertical arc; leveling, clamp and tangent screws are dust protected. Sturdy brass and bronze construction.

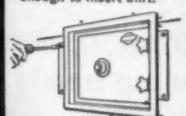
Instrument is consistently accurate, simple to set up for quick readings in leveling, laying out and measuring horizontal and vertical angles, locating buried survey stakes, picking up elevations, setting grades, etc. Time saved soon pays initial cost. Price \$219 complete with mahogany transit case, tripod, plumb bob, sun shade and instruction manual.

(F.O.B. Factory)  
C. L. Berger & Sons, Inc., 47 Williams St., Boston 19.

**install it in  
minutes...**  
a real built-in plus  
for your new home



Make an opening in wall between 16" joists large enough to insert unit.



Steel flanges drilled for screws on 16" centers. Fasten into joists with screws.

**HERCULES**  
MEILINK BUILT

**WALL VAULT**

- Recesses into wall between 16" joists
- Can be installed in minutes
- Heavy gauge steel—Thermo-Cel insulation
- Certified furnace-tested to 1700° F. for 1 hour
- Three-tumbler combination lock

- Fits flush behind picture
- Overall height 13¼", width 15¼", depth 8¼"

LIST PRICE \$46<sup>25</sup>  
slightly higher distant points.

Special quantity discounts to builders  
Write for catalog

**MEILINK**  
SINCE 1899

**STEEL SAFE COMPANY**

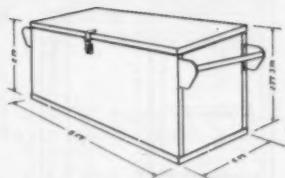
DEPT. AB, TOLEDO 6, OHIO

## KARYALL COMPARTMENTS

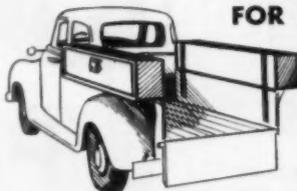
PROTECT YOUR TOOLS FROM DAMAGE OR THEFT  
ON-THE-JOB OR IN YOUR PICK-UP TRUCK

### GIANT SIZE STORAGE BOX

made especially for builders and contractors who keep tools on the job for days or weeks. Theft-proof, water-proof for all around safety. Made of heavy gauge steel with reinforced handles and sturdy padlock hinge. Size 2 ft. x 2 ft. x 5 ft. Net weight 180 lbs., prime painted. Price \$75.00 F.O.B. Cleveland.



### SIDE COMPARTMENTS FOR PICK-UP TRUCKS



Heavy gauge steel, roomy divided sections, slam-action locking door handles. Fast easy installation. Made in 78", 88", 96" lengths. Model H-78 shipped prime painted, crated, F.O.B. Cleveland, Ohio (including Federal excise tax) only \$124.20 per pair.

Write to DEPT. A for details

**Karyall**  
BODY INCORPORATED

Telephone ATLantic 1-0470

8221 CLINTON ROAD CLEVELAND 9, OHIO

## Only BESSLER has the BIG MODELS

to meet your specific needs!



AS LOW AS

**\$53<sup>00</sup>**  
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Discounts!**  
Write for  
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FREE CATALOG  
AND  
WALL CHART

**BESSLER DISAPPEARING STAIRWAY CO.**

1900-A East Market St., Akron, Ohio

Bessler Disappearing Stairway Co., 1900-A East Market St., Akron 5, Ohio  
 Please send free Catalog, Wall Chart, Prices and Discounts

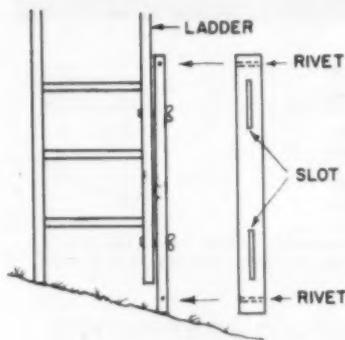
Name .....

Address .....

City ..... Zone ..... State .....

## How to do it better . . .

(Continued from page 182)



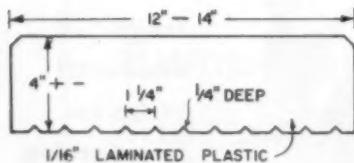
### Adjustable ladder leg

The above sketch shows how a ladder may easily be made to sit safely on sloping ground.

The extension leg should be made from a piece of stock approximately the same size as the ladder leg, and should be about three feet long. Three eighths-inch carriage bolts with square shoulders extend through the ladder leg, and wing nuts and washers are used to lock the extension. For safety's sake, a wrench should be used to tighten up the nuts before the ladder is used.

The slots in the extension should be just wide enough to slide along the bolts, and about nine or ten inches long. If a longer slot is needed, a man has no business using a ladder on that particular piece of ground.

A. Sturgess, Catskill, N. Y.



### Use the odd pieces

Here's a way to make use of the odd pieces of plastic counter-top material that are left over after finishing a kitchen. By cutting as in the drawing, and putting in the notches with a three-cornered file, an excellent spreader can be made for using sheetrock cement on double drywall construction.

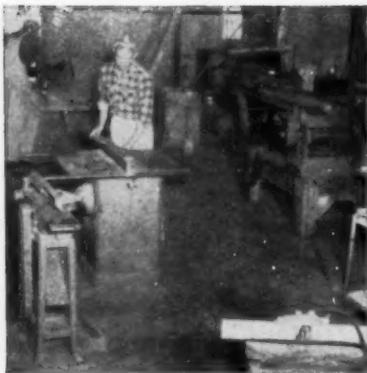
R. Price, Chicago Heights, Ill.

(Continued on page 185)

# HOW ROCKWELL-BUILT DELTA Power Tools CUT COSTS FOR 5 BUILDERS

Delta Power Tools are filling builders' growing needs for a method of reducing labor costs . . . and boosting net profits. By mechanizing operations with Delta equipment, thousands of progressive builders are doing more work faster, maintaining high standards of quality and reducing waste.

*Here are 5 specific examples . . .*



#### 6 DELTA TOOLS SAVE \$12,000

Ken Stowell, home builder in Wichita, Kan., saved \$12,000 in labor costs in a year by pre-cutting house parts in a centrally located shop equipped with: Delta Tilting Arbor Saw, Jointer, Drill Press, Shaper, Band Saw and Scroll Saw. Scrap wood, formerly burned on the job, is utilized in the shop—offering additional savings.



#### PROFITS UP 30%—BUILDING TIME DOWN 40%

Nine Delta Power Tools serve as a complete woodworking center for every house built by J. G. Sheets of Akron, Ohio. Doing costly custom finishing at the job boosts profits by 30%—and cutting framing, flooring and roofing with Delta Power Saws saves 40% more time than slower hand tool methods.



#### PAID FOR ITSELF ON FIRST HOUSE

Dominick Parise of Glenshaw, Pa. used the Delta Portable 10" Radial Saw to pre-cut framing for homebuilding. Using it outside, then moving inside he was able to keep carpenters busy nailing—instead of measuring and fitting. Savings in labor alone on just one job paid for the saw.



#### LESS WASTE—MORE PROFITS

Nearly every piece of wood taken to the job is used, according to Don Hinkle, home builder of Fairview, Pa. The Delta 12" Radial Saw with exclusive 360° turret action lets you make every cut—miters, dados, straight cross cuts and rips. With waste at a minimum—profits go up.



#### MONEY-SAVING PERFORMANCE

Performance is the reason T. Shilling, Meadville, Pa. home builder, uses the Delta 10" Tilting Arbor Bench Saw. Turning out better work faster—day after day with no lost time for maintenance—is performance that means big savings in labor and material.



another product by  
**ROCKWELL**

**Send Coupon For All The Facts!**

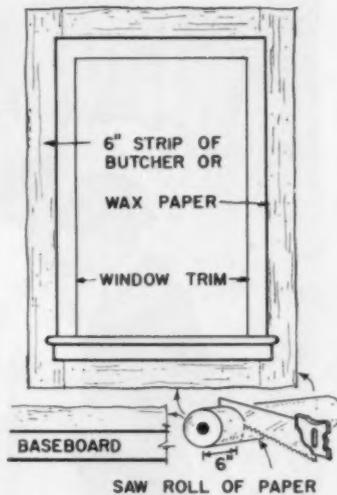
Delta Power Tool Division,  
Rockwell Manufacturing Co.  
646 E. N. Lexington Ave.,  
Pittsburgh 8, Pa.

- Please send me catalog on the entire Delta Industrial Line.  
 Please send names of my nearest Delta Dealers.

Name \_\_\_\_\_ Title \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ County \_\_\_\_\_ State \_\_\_\_\_

## How to do it better . . .

(Continued from page 184)



#### For easy trim painting

Here is an idea that will speed up the slowest part of any paint job—working around the trim and painting the trim itself.

Six-inch strips of wax or butcher paper are cut as shown, and nailed under all the trim on doors and windows. It is folded over the trim when the wall is painted, then back over the wall when the trim is done. When the paint is dry, the paper is quickly cut away with a razor blade; that which remains under the trim will not be noticeable.

H. C. Stinn, Nokomis, Ill.

#### Can you do it better?

SEND US . . .

- A brief written description
- A simple sketch
- Snapshots, if possible

You are American Builder's main source of better building methods, so send us your ideas. Good sketches are most important; a free hand drawing is fine so long as it's clear. If we publish your idea, we'll send you \$25 for your trouble. Mail contributions to: American Builder, 30 Church St., New York 7, N. Y. Sorry, but contributions cannot be returned.



TYPICAL ILLUSTRATION from national advertisement shows prospects looking at a model home. Windows, and their insulation, are important to home "shoppers".



*Reserve your free copy...*

A kit full of sales aids and selling ideas that put *Thermopane* solidly on your sales force . . . display cards (like the one above), selling literature, hard-hitting selling sentences for your salesmen to use or to include in your advertising, newspaper mats, radio and TV suggestions—a wealth of material any merchandising-minded builder will appreciate. Ask your L·O·F Glass Distributor or Dealer to reserve one for you. Or write to Libbey-Owens-Ford Glass Company, 608 Madison Ave., Toledo 3, Ohio.

# Sign of Extra Value

that can sell for you



**Thermopane**<sup>®</sup>  
INSULATING GLASS

What's happening here can happen in *your* model home. These house hunters have spotted this sign on a window glazed with *Thermopane* insulating glass. They're reading, "SAVINGS IN HEATING COSTS", "NO STORM SASH TO BUY", "MORE COMFORTABLE HOME, SUMMER AND WINTER". And they know you're giving them a better house for the money because . . .

**They've been PRESOLD ON THERMOPANE**

**... IT'S BEEN NATIONALLY ADVERTISED FOR 13 YEARS!**

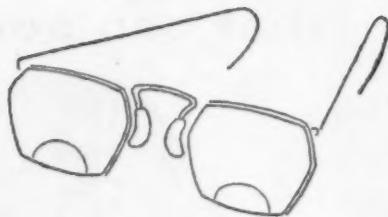
This year alone, over 44,000,000 messages on *Thermopane* are directed at home buyers. Big, colorful ads in *Life*, *Better Homes & Gardens*, *House Beautiful*, *American Home* and other consumer publications. Cash in on this tremendous advertising program that can be merchandised locally to promote house sales. Ask for the Merchandising Kit offered at left.



**Thermopane**  
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**CONTRACTORS!** When you're looking for new construction business, you'll see many more active prospects if you have the kind of vision you get with Dodge Reports. In short . . .



## We help you focus on live prospects

Looking around at random, chasing rumors or waiting for someone to call are costly, wasteful ways of finding business. And so unnecessary — when Dodge Reports can show you precisely what construction jobs are coming up and when. Learn the facts about this profit-building service. Mail this coupon today.

TO: **DODGE REPORTS**, DEPT. 173, 119 WEST 40th STREET, NEW YORK 18, N. Y.

Yes! I'd like to pin-point my prospects by knowing in advance who's going to build, what, when, where.

I want to know whom to contact and when to submit bids.

I'd like to see some Dodge Reports, and I'd like a copy of your booklet that tells how to use this accurate, daily, up-to-the-minute construction news service.

I understand that I can pick just the area and type of construction activity that interests me. Also, that I won't have to wade through mounds of data to find the information I need.

I'm interested in General Building  House Construction  Engineering (Heavy Construction)

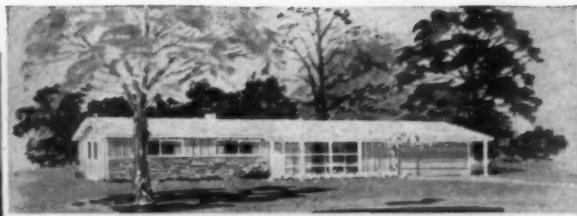
In the Following Area: \_\_\_\_\_

NAME \_\_\_\_\_

ADDRESS \_\_\_\_\_

CITY \_\_\_\_\_ ZONE \_\_\_\_\_ STATE \_\_\_\_\_





One of the Bayberry Communities homes including carpet in the purchase price. Homes are priced from \$13,900 to \$20,730.

Top eastern builder says:  
**"Carpet in the package frequently closes a sale"**

"Carpet helps us sell faster," says Howard M. Berman, President of Bayberry Communities, builders of homes and communities in Syracuse, Westchester, Philadelphia and Long Island.

"Carpeting increases the sales appeal and attractiveness of our homes," says Dr. Berman. And reliable consumer surveys bear him out. Women prefer carpet 13 to 1. But when they're buying a new house, their cash and credit are tied up. They feel they can't afford carpet. And that's where Bayberry Communities cashes in. When they include carpet in the purchase price, the sale is made.

Working with a local carpet retailer, the builder is able to offer his customers the widest possible selection of colors and patterns—no inventory necessary, no installation problems. The customer gets her new house com-

plete with the carpet she's always wanted. And the builder has made another sale.

Why don't you try this tested method of moving homes faster?

Discuss this with your local carpet retailer. He can offer two extremely valuable services: 1. A broad selection of merchandise, with the showroom facilities and knowledge to service your buyers. 2. Skilled carpet layers to install wall-to-wall carpet.

Your local lending organizations will be able to work out with you and your carpet retailer, the most satisfactory financing plans for you.

Find out how you can use carpet as an effective selling tool. See your local carpet retailer today, or write the Carpet Institute, 350 Fifth Avenue, New York 1, N. Y.

Home means more with carpet on the floor • more comfort • quiet • safety • beauty • easier care

Offer carpets designed and made for the American way of life by these American manufacturers: Artloom Beattie • Bigelow • Cabin Crafts-Needletuft • Downs • Firth • Gulistan • Hardwick & Magee • Hightstown • Holmes Karastan • Lees • Magee • Masland • Mohawk • Philadelphia Carpet • Roxbury • Sanford • Alexander Smith

**CARPET INSTITUTE, INC., 350 Fifth Avenue, New York 1, N. Y.**

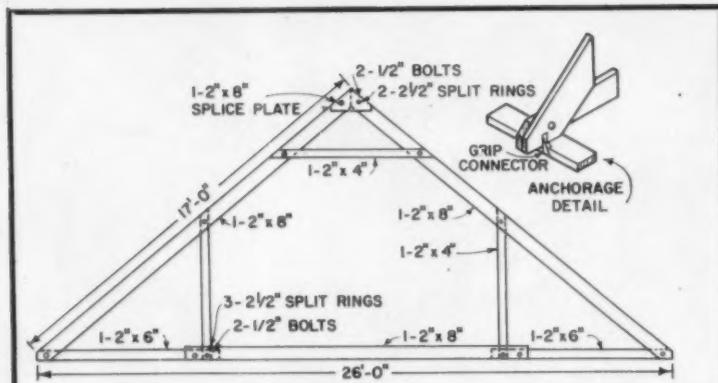
▶ Planning  
Framing

▶ Roofing  
Wiring

▶ Concrete Work  
Air Conditioning

▶ Heating & Plumbing  
Power Equipment

▶ Insulation  
Interior Finish



ALL CONNECTORS TO BE 1-2 1/2" SPLIT RING & 1-1/2" BOLT UNLESS OTHERWISE NOTED

## Cape Cod roof truss

**QUESTION:** I would like to know how to frame a bow roof for a Cape-Cod home. The roof pitch is 10/12.

Stephen C. Hunt  
Wilton, Conn.

**ANSWER:** The drawing shown above indicates a satisfactory way to frame a roof for a

Cape-Cod type home. This truss has been designed for a roof live load of 20 pounds psf, dead-load roof framing of 10 pounds psf. Dead and live load on the floor to be not more than 45 pounds psf and dead load of the ceiling framing to not over 10 pounds psf. The spacing of these trusses is 24" o.c.

### Powderpost beetle threat to timber

**QUESTION:** Can you give me any information on "Powder Post Beetles,"—where they come from and how to treat them? Would they be found in the new lumber of a home built less than six months?

Clayton Edwards  
Philadelphia, Ohio

**ANSWER:** A roundheaded powderpost beetle, commonly known as the "Old House Borer," causes most insect damage to seasoned pine timber. The larvae reduce the sapwood to a powdery or granular consistency and make a ticking sound.

When mature, the beetles make an oval hole about 1/4 inch in diameter in the surface of the wood and emerge. Infested wood should be drenched with a solution of 5 per cent of DDT, 2 per cent of

Chlordane, or 1 per cent of Lindane in a highly penetrating solvent; Trichlorobenzene is preferable, though a petroleum oil is satisfactory.

Borers working in wood behind plastered or paneled walls can be eliminated by having a licensed operator fumigate the building with a deadly poisonous gas.

### Removal of oil from tile roof

**QUESTION:** We recently purchased a tile mission type house. The oil base on the tile has been scaling off and we would like to know if it can be removed without sandblasting.

Cornucopia Properties  
Minneapolis, Minn.

**ANSWER:** Burning would remove the oil-base material, but because of the tile-roof construction, this method would be dangerous. You will have to sandblast.

### Plastic covering for sun decks

**QUESTION:** We are building some houses and intend putting sun decks on top of the garages.

We have been using painted canvas on top of plywood decks. We understand there is a plastic material which can be painted or brushed on, or sprayed. Material must be waterproof and scuff proof and long lasting. Can you tell us the name and source of this material?

Lighthouse Construction Co.  
Barnegat Light, N. J.

**ANSWER:** A material that can be used to cover a canvas deck is called "Vinylon" and is manufactured by Surface Coating Engineering Co. For further information, write to:  
W. & J. Tiebout  
62 Front Street  
New York 4, N. Y.

### Cutting windows in concrete walls

**QUESTION:** I plan to reconvert a warehouse into an office building. There are no windows and no doors in the 8- and 10-inch concrete walls. Because of the design of the old building, jackhammer's compression or paver brakes can't be used to cut the openings. The wall is reinforced with 3/8" rods. Can you suggest a heavy-duty saw with blades to cut through this concrete.

Antonio, Medina Rivera  
Arecibo, Puerto Rico

**ANSWER:** The best way to cut an opening for doors and windows in an existing reinforced concrete wall is the following.

Drill holes into the wall at approximately 4-6 inches of center, using a 30-pound class Sinker equipped with 2-inch or 2 1/4-inch Timken bits in the end of the Sinker. The Sinker works on a gasoline-driven air compressor which has a capacity of 60 to 75 cubic feet per minute at 100 pound pressure.

After you have drilled the holes around the entire perimeter of the proposed opening, break out the concrete between the holes with Number 16 Latch Retainer, which has a narrow point chisel at the end.

(Continued on page 192)

# SHOWPIECE!



## The LOWELL

Providing the modern luxury of a built-in lavatory comes easy with the Lowell. This distinctive vitreous china flat-rim model is styled for it. The modern slant-back design is both functional and handsome, lending itself ideally to convenient, attractive twin installations. It blends perfectly, installs easily, with tile as shown above, or with "plastic-covered" counter tops. Available in five Briggs Beautyware compatible colors or white, the Lowell is the "showpiece" of any modern bathroom!

by **BRIGGS BEAUTYWARE**  
modern slant-back design for "built-in" luxury!

*SPECIFICATIONS:* • 22" length, 18" width • Model Number B-3500 HS • Deep 17" x 10½" bowl has maximum water capacity, twin concealed front overflows • T-8808-S fitting with aerator mounted • Jiffy Pop-up Drain with removable stopper • One-piece, leakproof, stainless steel molding (B-3085) available when required.

# BRIGGS

B E A U T Y W A R E

BRIGGS MANUFACTURING COMPANY • DETROIT, MICHIGAN

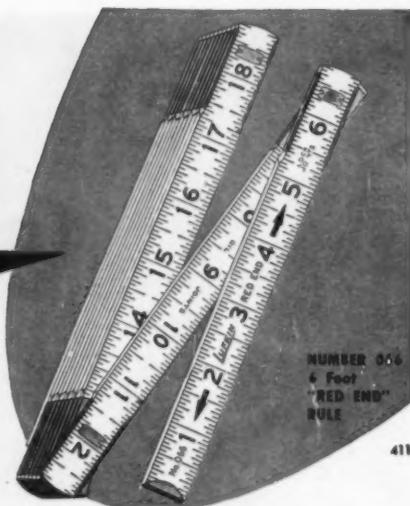
Only **LUFKIN**  
**"RED END"**  
 FOLDING  
 WOOD RULES

OFFER  
 ALL THESE  
 ADVANTAGES

- ✓ BRIGHT RED SEALED ENDS . . .  
 YOUR GUARANTEE OF  
 QUALITY
- ✓ PATENTED LOCK JOINTS  
 TO ELIMINATE END PLAY
- ✓ STRONG, STRAIGHT-GRAINED  
 HARDWOOD SECTIONS
- ✓ RUST-PROOF SOLID BRASS  
 JOINTS AND STRIKE PLATES
- ✓ LONG-WEARING  
 PLASTIC FINISH

You can tell by the "feel" — Lufkin "Red End" Rules are a quality product: Made from the finest of straight-grained hardwood with a snow white, easy-to-read finish; Bold black markings embedded in the wood and the entire rule coated with long-wearing clear plastic; Both edges of both sides graduated in inches to 16ths. Each joint is securely spring-locked with concealed type solid brass joints — rust-proof and smooth working. Models with folding end hook available. Graduations for carpenters, plumbers, brick masons and engineers.

BETTER MEASURE WITH **LUFKIN**



NUMBER 006  
 6 Foot  
 "RED END"  
 RULE

411

BUY **LUFKIN**

TAPES • RULES  
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 from your hard-  
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THE LUFKIN RULE  
 COMPANY  
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 NEW YORK CITY  
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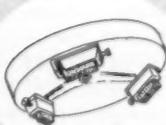
**YOUR DRILL PULLS PROFIT WHEN  
 IT PULLS AN ELMO ATTACHMENT**



CEMENT FINISHER—\$49<sup>50</sup>



PONY LINE TOOLS  
 ARE DESIGNED  
 TO OPERATE  
 ON YOUR 1/2" —  
 5/8" — 3/4" DRILL.  
 PRICES DO NOT  
 INCLUDE DRILL.



CONCRETE GRINDER  
 \$42<sup>40</sup>



POLISHER—\$39<sup>80</sup>



SCRUBBER—\$39<sup>30</sup>

SEND INQUIRIES AND ORDERS TO  
**ELMO MFG. INC., Albion, Indiana**

Ask the Experts . . .

(Continued from page 190)

**Preparation for reshingling**

**QUESTION:** We are planning to cover the 5" clapboards on an old church with 10" cedar clapboards. Can you recommend a thin, inexpensive material which is not too brittle that we could use between the two sidings so the shingles will not bend, break, or distort?

Perkins Builders  
 Castile, N. Y.

**ANSWER:** There is no material cheaper than 1/8" hardboard that will fit your needs. You might look into the cost of 1/8" sheathing-grade plywood.

It is our opinion that you do not need a full sheet covering. We would recommend that you fill in the siding voids with lattice strips or 1"x2" furring; whichever would fit the spacing. You may apply felt water-proofing paper before or after the lathe.

**Where to obtain  
 roof truss designs**

**QUESTION:** We wish to use 2x4 roof trusses on 14 houses we intend building. Where can we obtain drawings and measurements for a suitable roof truss?

Shields and Gale  
 Coral Gables, Fla.

**ANSWER:** There are three types of trusses you can obtain drawings for:

1. Glued trusses:  
 Small Homes Council  
 Mumford House  
 University of Illinois  
 Urbana, Ill.
2. Nailed trusses:  
 Prof. George Stern  
 Virginia Poly. Institute  
 Blacksburg, Va.
3. Split-ring trusses:  
 Timber Engineering Co.  
 176 West Adams  
 Chicago, Ill.

**Cleaning limestone**

**QUESTION:** What do you recommend for cleaning old Indiana limestone?  
 J. S. Wise  
 Yazoo City, Miss.

**ANSWER:** One of the easiest and surest methods is to sand blast the limestone.

(Continued on page 194)

this blade won't  
**BUCKLE!**



© HKP



Disston-Carlson  
BIG CHIEF, 10' only  
\$3.25, 12'—\$3.50

The BIG CHIEF'S wide  
3/4" white blade stays rigid  
... makes extended overhead  
and reach-in measurements easy!

And just look at all the other features  
you get in **DISSTON-CARLSON BIG CHIEF**  
Steel Tape Rules!

- Jet black numerals on a gleaming white surface for at-a-glance reading.
- Double graduations in feet and inches. Stud markings every 16".
- Patented easy action swing tip for accurate inside and butt-end measurements.
- Famous Disston 10-second blade change permits easy replacement.
- Light, 5 oz. chrome plated case.

At better hardware and building supply dealers... everywhere!

For free folders, write: Henry Disston Division, H. K. Porter Company, Inc., Philadelphia, Pa.

**HKP** Henry DISSTON DIVISION  
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**MULLER MACHINES**  
*cut*  
Contractors' Costs



PLASTER AND MORTAR MIXERS—5 sizes 2 to 10 Cu. Ft. Electric or Gasoline. Power throw-out on smaller models, disc clutch on larger.



NEW 3 1/2 CU. FT. NON-TILTING CONCRETE MIXER—Drum 36" dia. x 27" wide. Discharge opening 14". B & S Air-Cooled Engine 4.5 Hp. at 2700 RPM.

Muller Machines lead in low prices and low operating and maintenance costs. These result from the use of the best materials and components, simplified design and efficient manufacturing methods, based on 50 years of specialized experience.

Ask for prices and name of local dealer.

**MULLER MACHINERY COMPANY, INC.**  
Meluchen 4, N. J. Cable Address: MULMIX



CONCRETE MIXERS TILTING TYPE—3, 3 1/2 and 6 Cu. Ft. Electric or Gasoline. Timken Bearings.



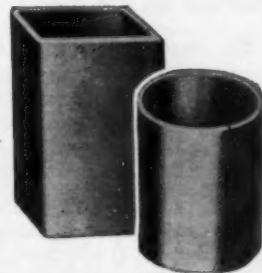
4 BLADED POWER TROWELS—24", 29", 34", 44" dia. B & S Air-Cooled Engines. Clutch and speed controls on handle.

This **FREE** Brochure brings you up-to-date on...

# Safe Chimney CONSTRUCTION

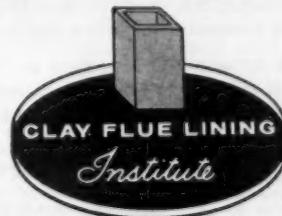


These recommendations for the use of Clay Flue Lining in chimneys, flues, and fireplaces are based on the findings of national fire underwriting groups. They give you up-to-date information — complete with detailed drawings — on design, construction, spacing, connections, smoke-pipes, mortar, and wood-work placement around chimneys... indispensable data for codemakers and construction men. Request your copy from CFLI today.



Clay Flue Lining is the only fireproofing material that's safe for all types of heating and fireplace fuels—gas, oil, logs, or coal. It's permanently corrosion-proof.

Clay Flue Lining is the recognized fireproofing material for all chimneys in all areas—used by progressive builders and required by modern codes.



## CLAY FLUE LINING INSTITUTE

161 Ash Street, Akron 8, Ohio

CONTACT AN INSTITUTE MEMBER WHEN YOU WANT THE BEST

American Vitrified Products Co., Cleveland 14, Ohio; Dee Clay Products Co., Inc., Bloomington, Ind.; The Evans Brick Co., Uhrichsville, Ohio; The Kaul Clay Manufacturing Co., Toronto, Ohio; The Kapp Clay Co., Malvern, Ohio; Larson Clay Pipe Co., Detroit 34, Mich.; Malvern Flue Lining, Inc., Malvern, Ohio; Mill Hall Clay Products, Inc., Mill Hall, Pa.; Natco Corp., New York 17, N. Y.; Peerless Clay Corp., Toronto, Ohio; Straitsville Brick Co., New Straitsville, Ohio.

Plants in Indiana, Michigan, New Jersey, Ohio and Pennsylvania, serving the eastern half of the United States.

ShoDoCo

World's Most Respected Name in the Manufacture of Glass Shower Enclosures

presents the newest . . .



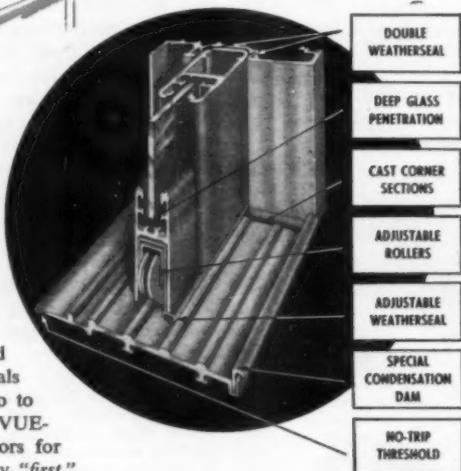
## Vue-Lume<sup>®</sup> ROLLING GLASS DOORS

The World's first rolling glass doors with \*All-Points Weatherseal, and \*Unconditional 12 Year Guarantee

- \* Vue-Lume's exclusive AP (All-Points) Weatherseal of deep pile mohair at threshold, header, inter-locker and jamb seals as snugly as a refrigerator.
- \* The sturdiest engineering design, the most exacting mechanical tolerances, and the finest quality materials obtainable allow ShoDoCo to unconditionally guarantee VUE-LUME Rolling Glass Doors for 12 years—another industry "first."

Exclusive PermaSatin finish, developed by ShoDoCo, gives Vue-Lume Doors beauty and hardness never before seen in aluminum.

Made in 6' 10" and 8' heights, there are 24 standard sizes in 2, 3, and 4-panel models with widths up to 24' — plus custom sizes to fit any opening — America's most complete range and line of standard models.



- DOUBLE WEATHERSEAL
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- CAST CORNER SECTIONS
- ADJUSTABLE ROLLERS
- ADJUSTABLE WEATHERSEAL
- SPECIAL CONDENSATION DAM
- NO-TRIP THRESHOLD

For name of your nearest distributor and further information, fill out this coupon and mail to:

Shower Door Company of America  
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1 Permalume Place, N.W., Atlanta, Ga.

Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

State \_\_\_\_\_



WORLD'S LARGEST MANUFACTURER OF SHOWER ENCLOSURES

## Ask the Experts . . .

(Continued from page 192)

### Unusual breakfast bar seat

**QUESTION:** I am building a new home, and the customer wishes some type of "swing around and under" breakfast-bar seat. The base of same, to fasten to sides of unit, not on floor. Where may I buy such a unit or units?

Charles E. Lawrence  
Auburn, N. Y.

**ANSWER:** Contact kitchen-cabinet manufacturers. This item may not be available as a standard item. In that event it may be necessary to go to your local kitchen-cabinet manufacturer and have it made to your specifications.

### Data on trailer court

**QUESTION:** I am interested in building a modern trailer court. I have two acres of land to use. Please send me specifications you may have for the arrangement of a trailer court.

Leslie Aycock  
Scooba, Mississippi

**ANSWER:** For full information on trailer courts, write to:

Trailer Coach Mfg. Assn.  
20 North Wacker Drive  
Chicago, Ill.

### Mildew during rainy season

**QUESTION:** The floor in my house is a concrete slab, covered with asphalt tile. During the rainy season water collects on top of the floors, and the base boards around the outside walls mildew. What can I do to stop this problem?

Ralph E. Dolan  
San Leandro, Cal.

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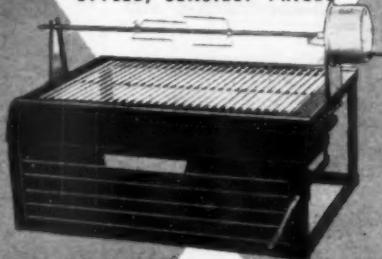
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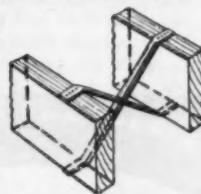
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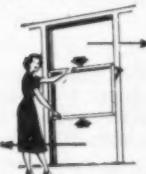
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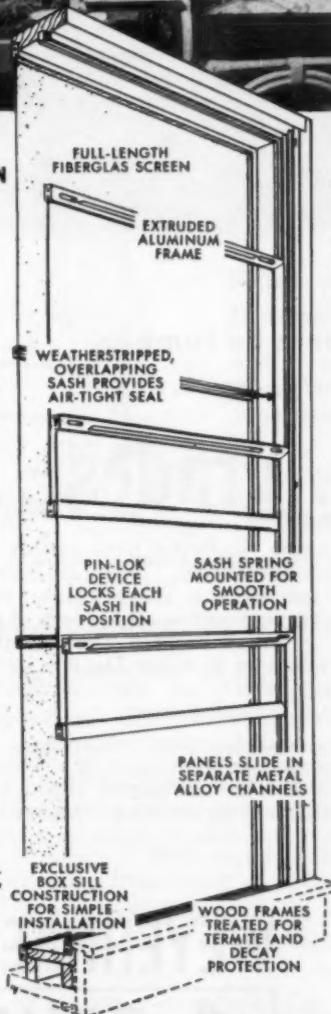
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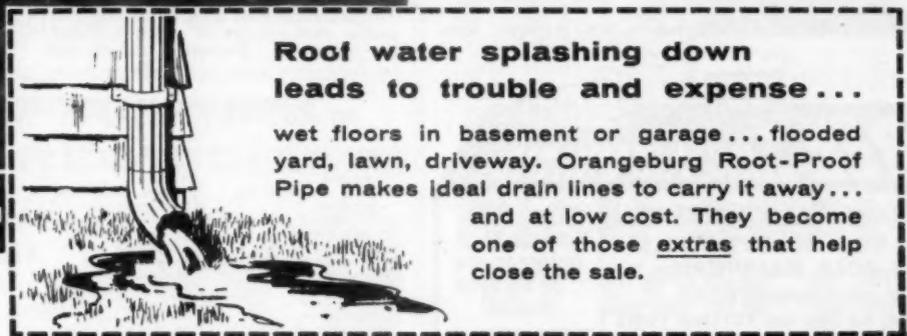
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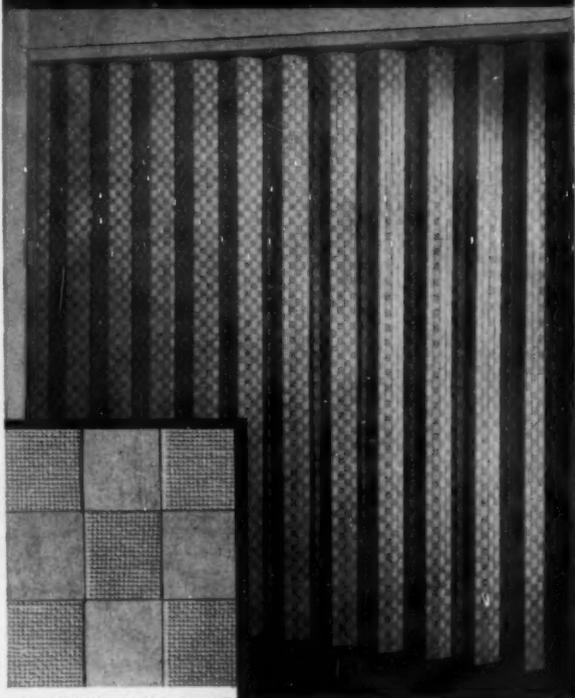
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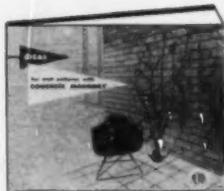
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A black and white group photograph of six men in suits standing in a row in front of a large sign. The sign has the letters 'N R A' visible on it.

**TOGETHER**, they form Delta. One builder was not available when these pictures were made.



Cecil Mason



Hugh Armstrong



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John W. Ahern

## cooperate as land developers

**T**oday's builder already has more headaches than he can handle. Why in the world should he want to add land developing to his troubles?

In the case of the builders pictured above, the reason is foresight. They looked at the present land supply in their home town, Savannah, and they compared it to the rate of building they expected over the next decade. They considered present land prices and the heights to which these prices might climb. They pictured what a short land supply and high prices would do to them as builders. Then they added the extra headache.

### They turned two-faced

In forming the Delta Land Corp., they deliberately became two-faced. Individually, they're still builders and in competition with each other. They got together just as land developers, and only because it looked like good long-term insurance.

In a sense, of course, any builder who keeps three or four lots ahead is a land developer. By the same token, the really big builder, who could eat up Windsor Forest in less than a year, has to be a land developer, too, to support his mass production of houses. The little guy hasn't much capital tied up in land, and few problems of roads, sewers, and the like, but his land is expensive, and price rises hit him quickly. The big guy gets his land in big hunks and hence cheap, but he has to run a big operation, and he burns up lots so fast that increased land costs will hurt him quickly too.

The men who formed Savannah's Delta Land Corp. have tried, with apparent success, to take the cream off both bottles. By buying 1,000 acres at one gulp, they were able to get raw land at the happy price of \$500 an acre. At their present building rates, this is more than enough for all seven participating builders for the next eight or nine years. Besides that, they are stockholders in a

corporation that eventually should show a very pleasant profit.

The word "eventually" is significant here, and it points up the fact that the owners of Delta are still primarily builders. They are not going to make a fast buck out of Windsor Forest. They will not be unhappy, of course, if the corporation eventually pays dividends, but if it does no more than break even they will still be ahead of the game. Unlike the regular land developer, whose interest ceases when the lot is sold, these men see the land simply as another raw material for their houses. As some builders stock lumber ahead when the price is favorable, so these builders have bought land ahead and assured themselves of constant prices for several years to come.

There are two other major advantages in having so much land to work with. Earth moving, road building and utility installations can be done on a mass basis, hence at lower cost; and the participating builders have a tremendous "inventory" of lots to show potential customers.

### Credit: a big factor

The way in which Delta's owners were able to purchase the land that is now Windsor Forest is one of the keys to the success of the venture. The price for the 1,000 acres was \$500,000. The original owner took cash for the first 100 acres, and a mortgage on the rest. Each year Delta pays off another piece of the mortgage, and in return another section of the tract is quitclaimed to them. Thus the corporation has assured itself of a constant land supply at a constant price over the next eight to ten years for a relatively low capital investment. And should there be some sort of general market recession there is comparatively little cash tied up in land.

From the point of view of the original land

## LAND PLANNING continued

owner, the transaction is equally advantageous. He is being paid cash for the land that is used, and interest on the rest. Should he have to repossess, the land he takes back is now situated next to an attractive community, and its value will be proportionately increased.

Approximately \$400,000 was needed to get Delta under way. The participating builders bought \$100,000 worth of stock, and in addition they purchased "accelerated" sales contracts for 120 lots which brought in another \$200,000. The combined credit of the builder-owners would have enabled them to borrow another \$125,000, but as the development was opened and land began to sell to both participants and outside builders, enough cash came in so that only about \$70,000 of this credit was needed.

Besides the outlay for the first section of land, the capital went into engineering expenses (\$15,000), clearing, paving, curbs and gutters for the first section of lots (\$190,000), intermediate sewer mains (\$90,000), and a community swimming pool (\$40,000).

### The city helps too

It will be observed that there is nothing noted in this list for water and sewage plants, and herein lies a fortunate circumstance. The City of Savannah runs these utilities as self-supporting businesses.



## Buyers get more than houses:

Although Windsor Forest is outside of the present city limits, those limits will eventually stretch to the new community. The city has built \$200,000 worth of water and sewer plants, and will add to these as the need arises. For its part, Delta has posted a bond guaranteeing that the city will be getting the income equivalent to that from at least 200 houses within 12 months after the utilities have been completed. Thus when the city absorbs Windsor Forest, they will be taking over a complete, operating community. City Manager Frank Jakocks says that he would be happy if all the new communities in the area could be handled the same way.

Delta wants no land speculation, even on the part of its owners. Builder-members may own only five lots ahead of construction (the original accelerated sales were an exception) and if a sale isn't completed within a specified time after the sales contract is signed, the contract is voided and the down payment defaulted.

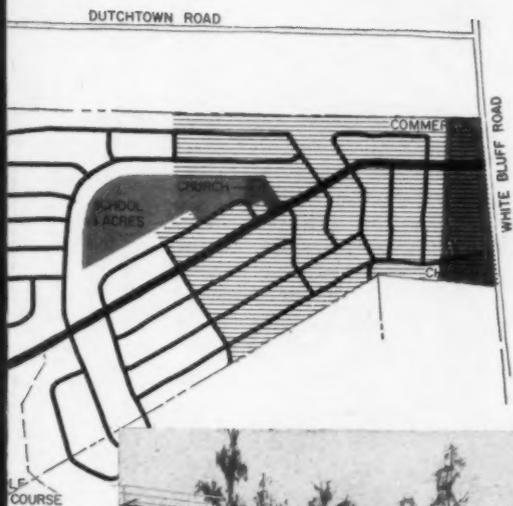
No participating builder may sell one of his lots to an outsider without the corporation's permission. However, Delta does maintain a steady income by selling lots to both outside builders and private own-

ers. At the moment, this accounts for about 20 percent of the lots sold. As the development grows, so should this percentage, to the point where the corporation owners feel that it should be slowed, and more lots held for themselves.

Do the participating builders benefit from the corporation on a day-to-day basis as well as over the long haul? As an example, consider a 60-house-a-year builder (the biggest builder in Delta is little bigger than this). Normally, he would have to keep between 60 and 120 lots ahead, an investment of between \$120,000 and \$240,000. As a Delta builder he holds perhaps \$20,000 worth of stock which may pay handsomely some day, and once his "accelerated" land purchases have been used up, he has only five lots ahead—an investment of, say, \$15,000. It doesn't take a banker to appreciate that the difference between \$35,000 and \$120,000 represents a lot of working capital.

### How about the buyer?

Obviously, then, the participating builders benefit from the corporation. But how about the ultimate buyer? Does any of the gravy trickle down to him?



◀ **ORIGINAL LAYOUT** of the master plan for Windsor Forest was done by Eugene Martini of Atlanta, Ga. Thomas and Hutton of Savannah took over from there.

↓ **DEMOUNTABLE SEWAGE PLANT** was designed for the city by Thomas and Hutton. Built of steel culvert sections, it can be taken down and moved.

↓ **NEW SWIMMING POOL** was completed for this season at a cost of \$40,000, is one reason why Windsor Forest will not be a "get rich quick" scheme for its parent corporation.



## they get a planned community

It does indeed. First of all, he pays a reasonable price for the land under his house, and five years from now this cost will still be reasonable. Second, and most important, he's moving into a carefully planned and controlled community which has been laid out not for the three or four hundred houses a year that are being built, but for the 2,700 families that will eventually live there. Schools, shopping centers and recreation areas are planned or already up. Trees have been left standing. And by a gentlemen's agreement among Delta's owners, there will be no "cookie cutter" building, an agreement that is easy to keep, since with dozen's of lots ready and waiting no one builder need work in just one area.

### A mobile sewage plant

The sewage treatment plant now operating in Windsor Forest is worth mentioning. It is a demountable plant designed to serve the first 355 houses. Its cost was \$50,000; and for another \$25,000, it can be knocked down and set up in another location. By the time the next section of homes is started, a plant to serve the whole development will

be in operation; meantime, for a cost of \$25,000 the city has been able to wait and assure itself of the growth of the new development before putting in the enormously expensive final plant and mains. Looking at it as insurance, the city is getting a bargain.



**ARTESIAN WELL WATER** is supplied from this station. As community grows, other wells will be added where necessary. Also, a standpipe will be built as a water reserve.



# Work Bulls pay off

on every building project



**Work Bulls provide the right tractor power with design-integrated attachments to build profit on these and scores of other jobs!**

**52 hp** **1. WORK BULL MODEL 404**

is biggest, most powerful in line. Equipped with a hydraulically controlled  $\frac{3}{4}$ -yd. loader bucket.

**42 hp** **2. DAVIS PIT BULL**

with  $\frac{7}{8}$ -yd. bucket. Utilizes low, direct-thrust loading principle. Torque converter and combination foot feed and reversing clutches are standard.

**4000 lb** **3. FORK LIFT MODEL 202**

utilizes 34-hp tractor, can lift 4000 lbs with standard 10-ft mast. Optional mast extension, shown, will lift up to 2000 lbs to height of 21 ft.

**34 hp** **4. WORK BULL MODEL 202**

equipped with 11 cu. ft. loader and fast, precisely controlled, hydraulic backhoe. Hoe handles 12 to 36 in. buckets . . . digs to depth of  $12\frac{1}{2}$  ft. Operator and hoe swing through  $180^\circ$ .

**... as primary equipment**

Work Bulls put former hand work on a paying power basis. With five tractors, (34 to 52 hp)—each with a choice of 20 switch-in-a-smoke-break attachments — Work Bulls pay off on small, scattered work-and-run jobs . . . earn their keep off-season, too, removing snow or handling other similar jobs.

**... as backup machines**

With Work Bulls, you get the exact power/equipment cost ratio the job demands . . . greatly increase equipment scheduling efficiency . . . cut down overhead. Move Work Bulls through city traffic or cross-country, from site to site without permit troubles, without flat-bed and other costs.

**... as utility or cleanup tools**

When you're using shovels to clean up spill in the loading area, scrapers to smooth out haulroads, crawler dozers to pull wagons or skid light and medium-weight machinery—there's a profitable place for Work Bulls on your job. In fact, Work Bulls help make your "big stuff" more profitable.

*Work Bulls have a place on every project. Find out which of the 5 tractors (34 to 52 hp) and 20 easily interchangeable attachments you need. Write for free 24-page catalog and the name of your Work Bull distributor.*



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• for greater  
hiding power  
and...

the whitest white  
that stays white



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## LIVING ELECTRICALLY: DORNÉS HOUSE

(Continued from page 89)

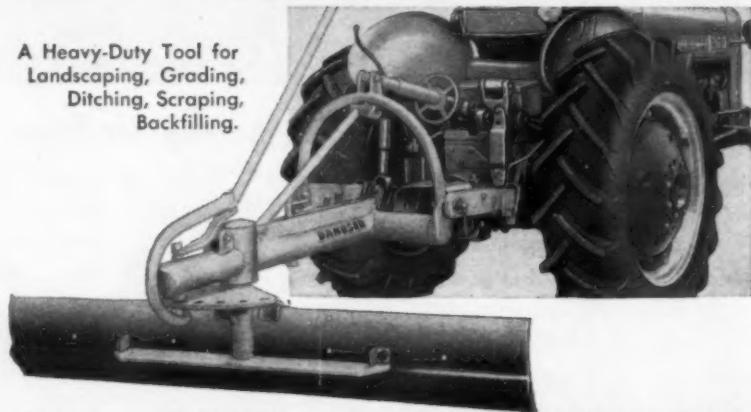
### PRODUCT LIST

Custom 400 hi-fidelity system, Stromberg-Carlson  
Luxtrol light controls, Superior Electric Co.  
Master Panel, Touch Plate remote control lighting, Touch Plate Co.  
Lectrolines, continuous outlet strip, Lectrolines, -Inc.  
Vacu-Flo built-in vacuum cleaner system, H-P Products, Inc.  
Sun-Lite-Aire Purifying Lamp, Sampson Chemical and Pigment Corp.  
Ceiling Heetaires—auxiliary bath heating 1,250 watt, Markel Electric Prod., Inc.  
Hydrogard—thermostatic water control, Powers Regulator Co.  
Dictograph Electric Fire Detection and Alarm System, Fire Detection, Inc.  
Basement slab membrane waterproofing, Sisalite, American Sisalkraft Corp.  
White Cologard brick, National Brick Division, United States Plywood Corp.  
Brick cavity-wall insulation, Styrofoam, Dow Chemical Co.  
¾" Plywood subflooring. Mineral-core birch Stay-Strate Doors, birch plywood, Texture 1-11 fir paneling, United States Plywood Corp.  
3" Temlok roof decking, Armstrong Cork Co.  
Fiberglas roll roofing and reflective insulation, Owens-Corning Fibreglas Corp.  
Polished Plate Glass, Pittsburgh Plate Glass Co.

All cooper plumbing system, Revere Copper and Brass Corp.  
6-Volt remote-control lighting system, Touch Plate Co.  
Indoor fluorescent and outdoor lighting fixtures, Moe Light.  
Oil-fired warm-air furnace, 140,000 BTU and 3-ton air-conditioning system, Westinghouse Corp.  
Complete built-in electric kitchen including garbage disposer unit, wall refrigerator and freezer, deluxe oven, range, dishwasher, small appliance center, Westinghouse Corp.  
Built-in laundromat and dryer, Westinghouse Corp.  
Bathroom fixtures, Crane Co.  
Quarry Tile Flooring and Ceramic Tile in baths and kitchen through Tile Council of America.  
Kitchen cabinet hardware and interior appointments, Washington Line, Washington Steel Products, Inc.  
Water System—¾ H.P. Jet Pump, F. E. Myers & Bros.  
Acrylic emulsion used in flooring grout from Rohm & Hass Co., Philadelphia, Pa.  
Black grout for kitchen tile, Uppe Co., Cleveland, Ohio.  
All tile adhesive—3M Brand, Minnesota Mining and Manufacturing Co.  
Skydomes—Wasco Products, Inc.  
Dropped plastic ceiling in baths, Luminous Ceilings.  
Kerosene swimming pool, United States Pool Corp.  
Accordafold folding walls, American Bamboo Corp.

## Low-Cost Blade Makes Your Light Tractor an Efficient Earth Mover!

A Heavy-Duty Tool for  
Landscaping, Grading,  
Ditching, Scraping,  
Backfilling.



One man can operate the DANUSER BLADE by himself and make adjustments without leaving the tractor seat. Blade uses the tractor three-point suspension principle, with adapter kits available for older models. It is raised and lowered by the tractor's hydraulic system, and turns all the way around so you can push with it.

Rugged construction throughout. Built of reinforced welded structural steel and heavy tubular members. Abrasion-resistant moldboard

with replaceable, standard grader cutting edge. Moldboard mounting is supported on two oversize tapered bearings to maintain stability. It shifts 8 inches right or left of center for cutting beyond tractor wheel line.

Danuser built the original rear-mounted blade, and is still producing the finest tool of its kind on the market. Thousands are in daily use throughout the world. Tested and approved by tractor manufacturers.

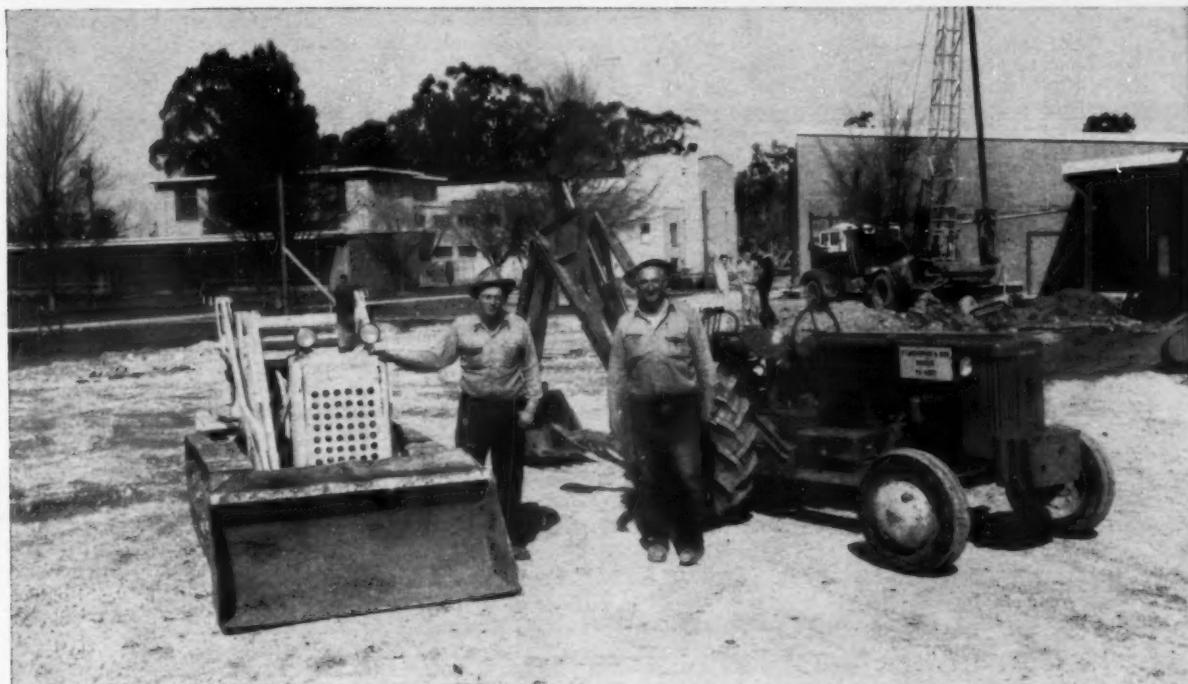
"Quality Since 1910"

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If you will give us the model of your tractor, we will be glad to furnish complete descriptive material.

# "We Have All the Work We Can Take Care of."...



## F. T. Anderson and Son with Two of Their JOHN DEERE TRACTOR Work Units

THESE are money-making days for folks who want to be their own boss and who are properly equipped to handle general contracting work.

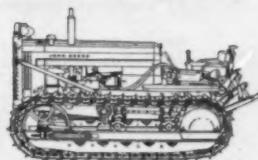
Take the F. T. Anderson and Son team of Sonoma, California, for instance. In the spring of 1955, Mr. Floyd Anderson started in the small contracting business by trading his farm machinery in on some John Deere "40" Tractors and allied working equipment. He and his son soon found that they had so much business they needed more equipment, and within a period of 8 months they had four John Deere units working in Sonoma, Napa, Marin, and Solano counties.

Mr. Anderson states: "We have all the work we can take care of. Our John Deeres are sure good tractors. They are reliable, economical to operate, and give us nothing but successful operating time. We dig everything . . . move anything. These tractors help us do the job better than any other make we could test, and better than others that we see on the job. Yes, sir, we sure are satisfied with our four John Deere units."

Take a tip from the Andersons—enjoy the fuller profits that can be yours with dependable, economical John Deere-powered equipment. Talk with your nearest John Deere industrial dealer. Look for his name in your phone book classified section.

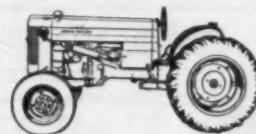
### John Deere Crawler

30 h.p. high torque engine.  
Highly maneuverable.  
Choice of track shoes.



### John Deere Utility

30 h.p. wheel-type.  
Direction Reverser optional for both tractors.





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## Manufacturers news . . .

As the building industry grows so do the firms connected with it: General Concrete Products, Inc., opened warehouse facilities at 20345 Walnut Drive, Walnut, Cal. The location is scheduled to be the site of a new plant. . . . Curtis Woodwork advertising, stressing door and window variety, is appearing in national magazines. . . . Air Master Corp. moved its Baltimore office to 1202 S. Caton Ave. . . . Hercules Flooring Co. an-



Ferguson Hollerbach

nounced the opening of a Pittsburgh and Detroit office.

The appointment of **Gates Ferguson** as vice-president in charge of advertising, sales promotion and public relations for the building

products bureau of the new Dupont Plaza Center was announced. . . .

**L. C. Hollerbach** was elected president of the Metal Lath Mfrs. Assn. . . . **Dr. Burton D. Beitchman** joined the staff of the Building Technology Div. of the National Bureau of Standards. Steel Kitchen Cabinet Mfrs. Assn. will hold its annual meeting at the Greenbrier, White Sulphur Springs, W. Va., June 14-16.

Sun Valley Industries appointed **Ed Davison** manager of its newly established Pacific Northwest branch in Seattle, Wash. . . . In-Sink-Erator Mfg. Co. announced the appointment of **Paul Hull** to the sales staff of its Los Angeles area. At the same time the appointments of several district sales managers were announced: **James McCormick** for North Texas and Oklahoma; **Otto Seeglitz** for San Diego and the Imperial Valley, Cal.; **William Gilman** for South Texas, Louisiana and Mississippi. . . . **William H. Zegers** was appointed vice president in charge of marketing for Zegers, Inc. . . . **Thomas L. Kalahar** was



Caton Clark

named national sales manager of the Season-All Sales Corp. . . .

**John B. Caton** was appointed general sales manager for Rilco Laminated Products, Inc., . . . Appointment of **H. H. Clark** as purchasing agent for Stylecraft Homes, Inc. was announced. . . . Empire Millwork Corp. announced the election of **Roy Alpert** as a vice president and director and **Irving C. Alpert** and **Edward Alpert** as vice presidents. . . . **John B. Coman** and **Robert E. Herman** each have been elected as assistant secretary of Tishman Realty & Construction Co.

Five scholarships to encourage students majoring in business and economics at the San Fernando Valley campus of Los Angeles State College were established by Aldon Construction Co., building and development firm.

### Join the profit parade with **modern** SWIMMING POOL SUPPLIES

With more than 500 million dollars scheduled for new pool construction and supplies this year, you'll profit by opening a pool department.

**Modern** filter systems, pool drains and fittings, ladders, vacuums, diving boards—over 100 pool products—are designed by our engineers, built by **Modern** craftsmen and backed by the 22 year reputation of

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literature describing and illustrating latest developments in perimeter heating. Includes information on how to save up to 50% in time and material by using International FIBRE DUCTING in basementless concrete slab homes. **Mail This Coupon Today!**

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Everytime with the **QUIC-KUTTER**  **Now only \$19.95**



• Eliminates repairs • Saves time • Always a perfect job

The Quic-kutter guarantees you flawless die-cut outlet holes in gypsum wallboard every time—without damage to the internal structure or the paper facing of the wallboard.

It eliminates patching completely—saves you time and trouble! Available in 2" x 3", 2" x 4", and 4" round

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Two Ways

...and the **NEW DAVIS 210 BACK-HOE** is the  
**ONLY MACHINE** in the World—  
that can do this job!

When it comes to digging a footing or any other trench for service lines, waterproofing, etc., right alongside another building, you have only two choices — either expensive hand digging or fast, economical flush digging by a new Davis 210 Back-hoe. The new Davis 210 can be mounted at either end of the frame — as well as at the center so you can dig flush with walls, fences, etc. Its 200° swing lets you dump far enough from the trench that removal of the excess pile with the Davis Loader, America's quality loader, is easy.

It's all made possible by the exclusive rotary hydraulic boom swing cylinder along with the other features which make Davis the world's largest selling back-hoe — features like the 7000 pounds of breakaway for digging in asphalt or frozen ground, independently controlled hydraulic stabilizers, five minute detachability, and revolving seat which lets the operator always watch his work. Of course with the Davis Loader you have an unbeatable combination... all for far less than you would expect to pay in comparison to other makes.



FOR MORE PROFIT

Davis Loaders and Back-hoes are available for all popular makes of tractors, and sold and serviced everywhere in the U. S. A. and Canada by better dealers. For the name of your nearest dealer call Western Union by number and ask for Operator 25... or write...



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# Like these Builders

*Saves "babying" on the job*

One SKIL Saw cuts enough rafters for 3½ houses a day on the Friendly Hills project near St. Paul. To get this kind of production requires a saw that "puts you in back of the operation—pushing into the material," the operators explain. Gang cuts of 3¾" plywood is routine for them! "And there's no need to 'baby' a SKIL Saw either," these production-wise craftsmen state.

Made only by SKIL Corporation, Chicago 90, Illinois. Factory branches in all leading cities.



*Saves 1 year maintenance costs*

"I use SKIL Saws exclusively," says Mr. Edward Liepens, partner, Ozols & Liepens, Indianapolis. "We can build our houses faster with SKIL Saws and their rear handle push. Other makes have been tried, but they always feel out of balance. And I want to see where I'm going. On top of that—I built 100 houses last year with four SKIL Saws—and had no maintenance costs all year."

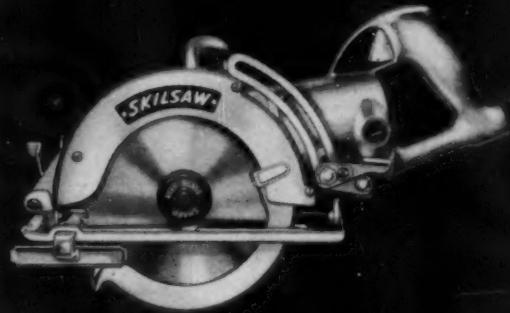


*Saves 6 times production costs*

"I would hate to think of doing the job of hanging 500 solid birch flush doors without the SKIL Model 100 plane," states E. C. Conrad, superintendent of the V & M Construction Company, St. Louis. "Several planes were demonstrated to us when we were in the market, but we chose the SKIL and happy that we did it. It has increased our production at least six times."



Noel Shafer of Frank Messer & Sons, Inc., Cincinnati, says this: "I have tried them all, but a SKIL Saw is lighter, better balanced and has plenty of power. We use them 8 hours a day, 6 days a week through rough material filled with concrete, nails and dirt. Each SKIL Saw we get pays for itself within a couple of weeks of continuous hard use. It's the best saw on the market."



*YOU, TOO, CAN SAVE*

SKIL 7 $\frac{1}{4}$ " Model 77 Saw saves on every job—saves time, money, maintenance. The standard in general construction for all-around use. No matter what you have to cut, plane, sand or rout, there's a SKIL tool that can do the job faster, better, cheaper. Let your SKIL distributor show you why. Let him show you the speed, power and handling of all SKIL Saws. Or use the coupon for more information.

# you can SAVE with SKIL Tools

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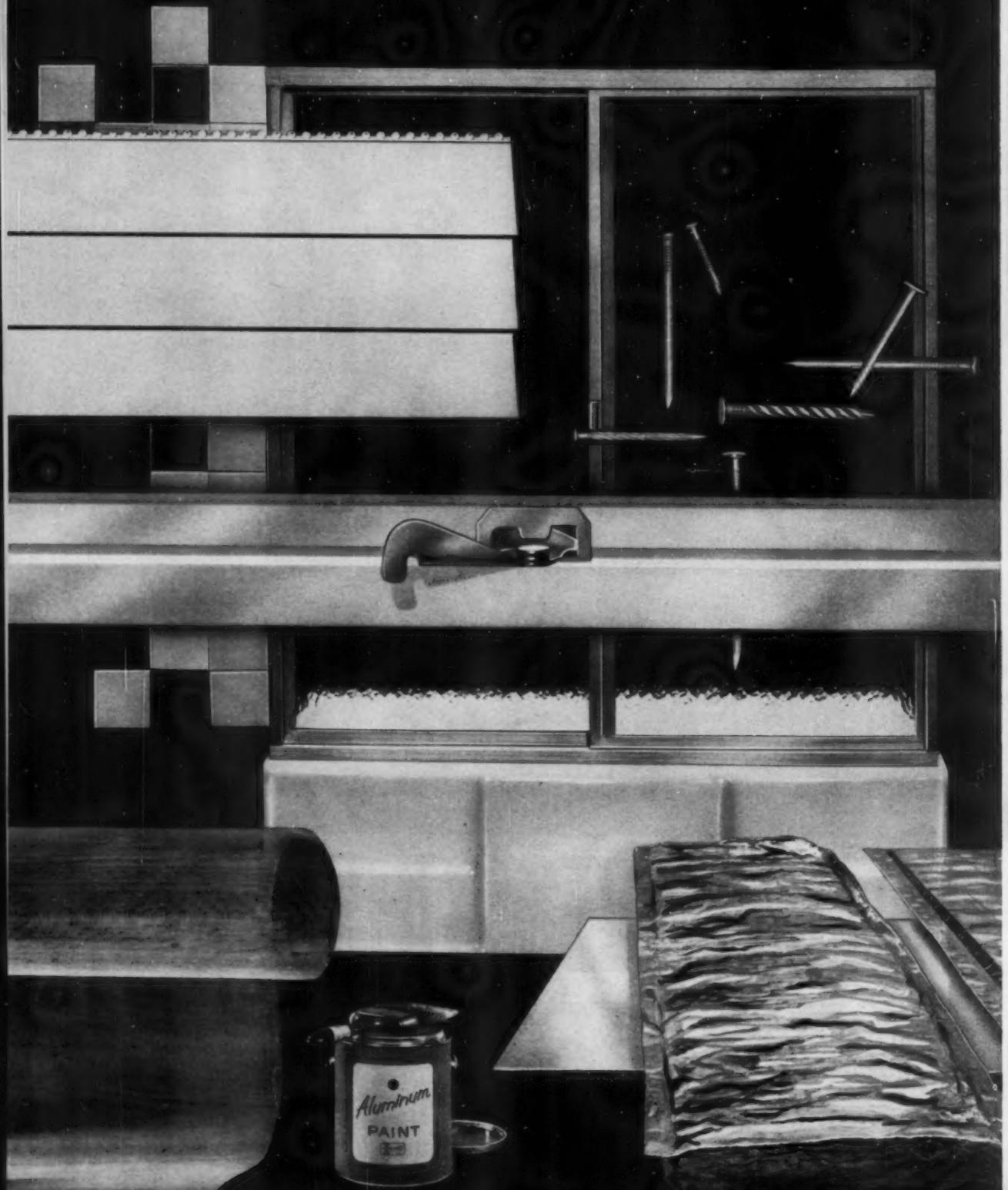
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Alcoa announces *Care-free*



selling for you



right now, Alcoa is whetting the appetites of 40,000,000 people... making them want more aluminum in the new homes they'll be buying; windows, screening, hardware, siding, insulation.

Alcoa is putting more than a million dollars behind this drive... television, national magazines, publicity... every possible means of selling the idea of homes made Care-free by aluminum. And this Care-free tag is the clincher for you.

Leading producers of aluminum building products use this Alcoa tag to tie into Alcoa's national Care-free promotion. Any home you build can be Care-free. All you have to do is use these heavily promoted Care-free aluminum products—and display the tags prominently. Aluminum Company of America, 1965-E Alcoa Building, Pittsburgh 19, Pa.

#### HOW ALUMINUM MAKES HOMES *Care-free*

*Aluminum building products are plentiful now. There are high-quality windows, screens, siding, paint, insulation, hardware, nails, wall tile, shower enclosures, flashing, awnings, combination storm windows, that compete favorably with those made of other materials. And look at the bonus you get with aluminum. Nothing to swell, rot or warp. Freedom from chipping, peeling or blistering. No red-rusting. Care-free building for you... Care-free living for your customers.*



Your Guide to the Best in Aluminum Value

# Convention Calendar . . .

**May 3:** Ohio Home Builders, 57 East Gay St., Columbus 15, Ohio. One-day school in association management, leadership, for OHBA's 30 local association; Deshler Hilton Hotel. Paul B. Frank, chairman.

**May 6-11:** Home Builders of Rhode Island, 433 Westminster St., Providence 3, R. I. Better Living Exposition; OHI exhibition; R. I. Auditorium. Rose Dagata, chairman.

**June 13-15:** Home Builders of Corpus Christi, P. O. Box 7098, Corpus Christi, Tex. Region XI NAHB convention and trade show. A. J. McCall, chairman.

The following associations are featuring spring home shows.

\* Indicates Parade of Homes.

**April 28-May 2:** Arkansas Home Builders, Suite C, 206A, Louisiana, Little Rock, Ark.

**Exclusive Features in**



*Below are shown a few typical Vento installations . . . the right window for every type of building.*





The Vento Champion Steel Basement Window is the best window made and for these reasons: 14 gauge formed steel sections; 3 position ventilation; positive action cam lock gives greater tolerance;

high sill section prevents leakage; integral fins for easy installation in any type of construction; design of formed sections allows unit to stand by itself, saving installation time. It's really a Champion!

### VENTO Steel Casement Windows

All casements drilled and tapped to receive storm sash and screens, operator arm guide channels attached with screws for easy removal and replacement, if

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### VENTO Aluminum Awning Windows

Direct gear operated, worm and pinion type; heavy duty construction with angle handle that conforms to all stool depths, minimum turns to open window fully. Weather tight . . . Vento alone keeps

metal to metal contact plus metal to weatherstrip. Effortless operation . . . nylon roller blocks at all friction points permit finger tip operation.

### VENTO Industrial and Commercial Steel Windows

Vento Pivoted, Projected and Architectural Windows are suitable for every type of commercial and industrial building,

especially where abundant daylight and fresh air are desired. Offered in a broad new range of types and sizes.

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<input type="checkbox"/> PIVOTED, PROJECTED, ARCH'T'L	<input type="checkbox"/> FORMED STEEL LINTELS
<input type="checkbox"/> STEEL CASEMENT	<input type="checkbox"/> UTILITY

ARE YOU A     BUILDER     DEALER     ARCHITECT

STREET.....

CITY AND STATE.....

NAME.....

247 COLORADO STREET  
BUFFALO 15, N. Y.

**May 1-4:** Home Builders of Greater Johnstown, 530 Cypress Ave., Johnstown, Pa.

**May 4-12:** First District Agricultural Assn., c/o Associated Home Builders of Greater Eastbay, Hotel Claremont, Berkeley 5, Cal.

**May 8-12:** Waco Assn., of Home Builders, P. O. Box 382, Waco, Tex.

**May 10-12:** Home Builders of Lancaster, 1460 E. Chestnut St., Lancaster, Ohio.

**May 11-19:** \* Houston Home Builders, 2710 W. Alabama, Houston, Tex.

**May 12-19:** \* Marion County Residential Builders, 143 E. Ohio St., Indianapolis, Ind.

**May 12-19:** \* Springfield Assn. of Home Builders, 847 Boonville, Springfield, Ohio.

**May 14-18:** Home Builders of Chattanooga, 2415 McCallie Ave., Chattanooga, Tenn.

**May 15-19:** Orange County Builders Assn., 941 Santiago, Santa Ana, Cal.

**May 18-26:** Home Builders of Greater New Orleans, 1639 Gentilly Blvd., New Orleans, La.

**May 19:** \* Madison Builders Assn., 206 E. Main, Madison 3, Wis.

**May 23-26:** Home Builders of Ashland County, Ashland, Ohio.

**May 27-June 2:** Utah Home Builders, 345 South State St., Salt Lake City, Utah.

**May 30-June 9:** \* Home Builders of Fort Wayne, 1306 Northlawn Drive, Fort Wayne, Ind.

**June 6-9:** \* Rock County Builders Assn., 103 W. Milwaukee St., Janesville, Wis.

**June 12-16:** Home Builders of Muskingum County, P. O. Box 86, Zanesville, Ohio.

**June 23-30:** \* Colorado Springs Home Builders, 620 North Tejon, Colorado Springs, Colo.

A reflection of good taste



**HALL-MACK®**

concealed  
**vanity shelf**

New in concept and design

Here is *new* beauty to delight the eye — Hall-Mack's Concealed Vanity Shelf. Blends easily with any bathroom decor — with any style or color. Dramatic in concept and clean in design, this handy unit provides ample space to keep bathroom necessities out of sight, yet within easy reach. Holds electric or blade razor,

soap, tumbler, toothbrushes, medicines or toiletries — and has an electric outlet for shaver or other use. It's decorative — as well as convenient, with sliding mirror panels in a chrome frame. In any home — this new Concealed Vanity Shelf will be *practically* beautiful . . . a reflection of good taste.



Sold by leading plumbing, tile and hardware dealers everywhere

**HALL-MACK  
COMPANY**

DIVISION OF TETRAD, INC.  
1380 W. Washington  
Blvd., Los Angeles 7,  
California

**Easy to install** — the recessed Concealed Vanity Shelf can be placed in any of several locations for your greater convenience. It is ideally located at the lavatory — between the top of the basin and the bottom of the mirror.

Please send your FREE color booklet of new bathroom ideas.

name \_\_\_\_\_ AB-5

address \_\_\_\_\_

city \_\_\_\_\_ zone \_\_\_\_\_ state \_\_\_\_\_



**AS ADVERTISED TO  
12 MILLION READERS  
IN**

**SHOW-HOUSE**

Bermico advertising in *Saturday Evening Post* and *Better Homes & Gardens* pre-sells your customers —helps build Bermico into a real profit-maker for you!

## **BERMICO® THE FAST-HANDLING, MONEY-MAKING PIPE FOR BETTER PROFITS!**

For house-to-sewer and house-to-septic tank connections.

- It lays easily and fast
- Requires no cement or compounds
- Gives water-tight joints
- Will not rust or shatter
- Comes in convenient 8-foot lengths—and in all diameters from 2" to 6"
- Has the only complete line of fittings made of the same material as the pipe

**Bermico Sewer Pipe** and **Bermiseptic®** Perforated Pipe for septic tank disposal beds are made from tough cellulose fibre, impregnated with pitch. They're root-proof, corrosion-proof, unaffected by boiling water or temperature changes, strong, light weight, and exceed Federal specification SS-P-356.

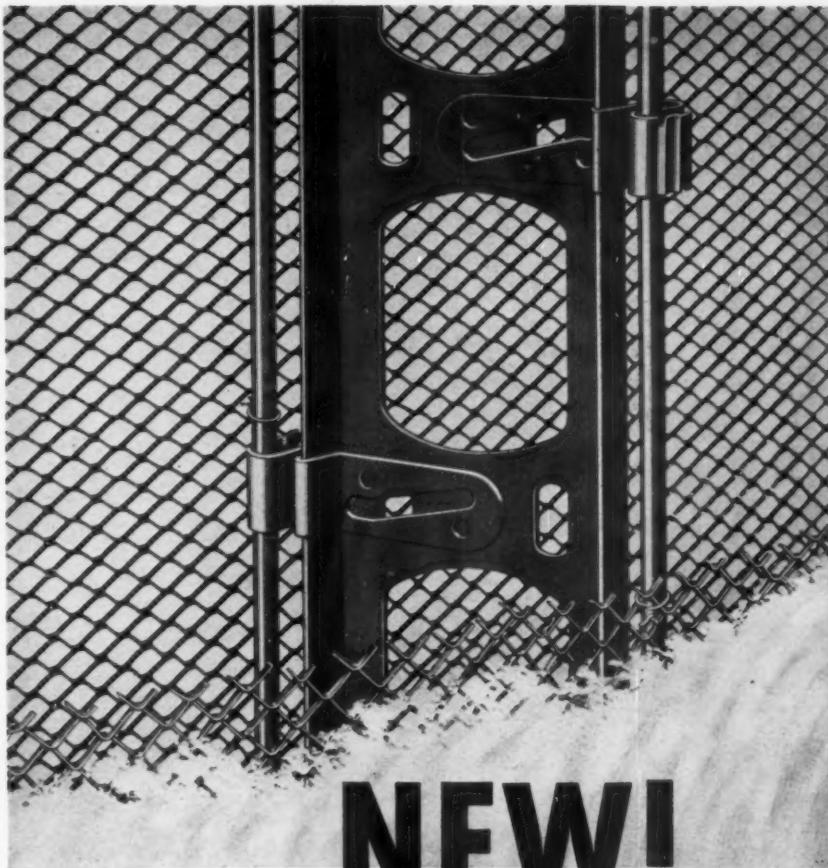
**SEND FOR FREE SALES AIDS:** Sewer Pipe Catalog. Septic Tank Installation Booklets. Dealer Tacker Signs. Envelope Enclosures With Your Imprint. Address Dept. BH-5, our Boston Office.



## **BROWN COMPANY**

Berlin, New Hampshire

General Sales Office: 150 Causeway St., Boston 14, Mass.



# NEW!

## Hush-clip partition system rates sound transmission loss of 56.4 decibels

Now you can design for minimum transmission of sound from room to room, and do it at a reasonable cost—thanks to Penmetal's new HUSH-CLIP partition system.

Utilizing steel studs, track and gypsum plaster over metal lath, the system features a unique clip used in conjunction with a  $\frac{1}{4}$ " pencil rod. Because direct wall-to-stud contact is made only at point of clip, the area over which sound is transmitted is greatly reduced.

*The sound loss rating of this combination is unequalled. Tested by a well-known independent research laboratory, the Penmetal HUSH-CLIP system recorded an average sound transmission loss of 56.4 decibels. (Complete test data furnished on request.)*

That isn't all. This new system offers the bonus advantage of resistance to plaster cracking. And, since all parts of the system are designed to fit together, the partition is easy and economical to erect.

No other partition system offers so many benefits in one assembly. Send for further information on the HUSH-CLIP partition.

### PENN METAL COMPANY, INC.

General Sales Office:

40 Central Street, Boston 9, Mass.

Plant: Parkersburg, W. Va.

District Sales Offices: Boston, New York,

Philadelphia, Pittsburgh, Chicago, Detroit,

St. Louis, Dallas, Little Rock, Seattle,

San Francisco, Los Angeles, Parkersburg



### PARTS OF THE SYSTEM

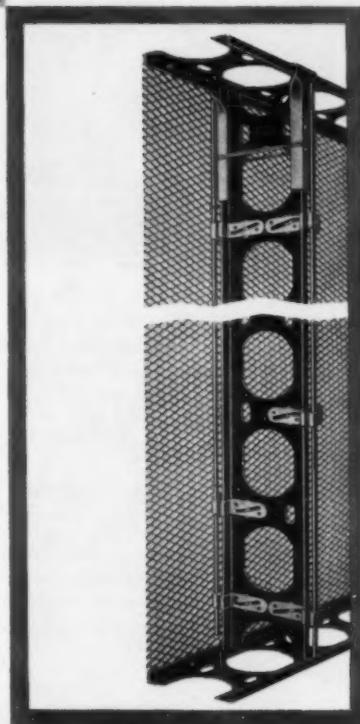
**STEEL TRACK**—made in five sizes to fit over the flanges of the five standard studs.

**STEEL STUDS**—furnished in 2", 2½", 3¼", 4" and 6" widths. Openings provide easy passage of pipe, conduit or cables without expensive chases.

**HUSH CLIP**—can be clipped, wired or bolted to the steel stud, or can be nailed to wood stud.

**PENCIL ROD**—provides the vertical member to support metal lath. May be snapped into lip of clip, or wire tied to the outside of the lip, depending on the grounds required.

**METAL LATH**—Penmetal Meshtex, provides the ideal size openings for perfect keying of scratch coat with minimum use of plaster; maximum rigidity.

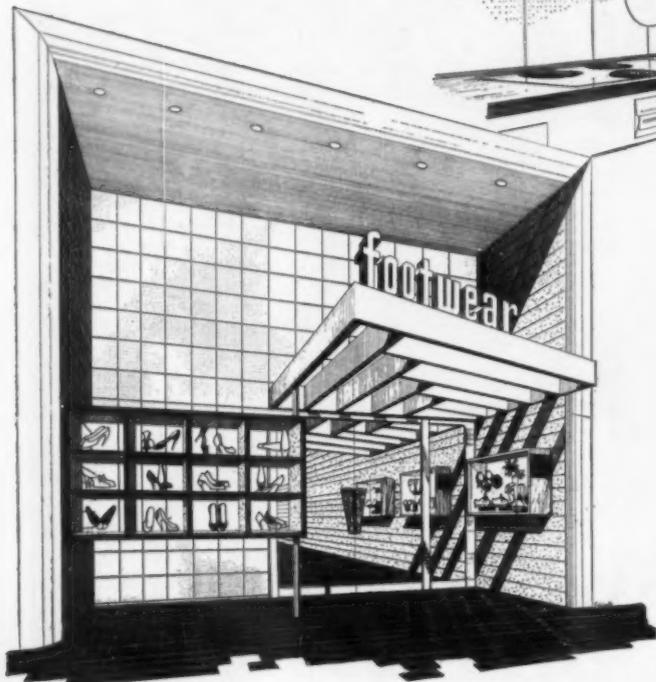
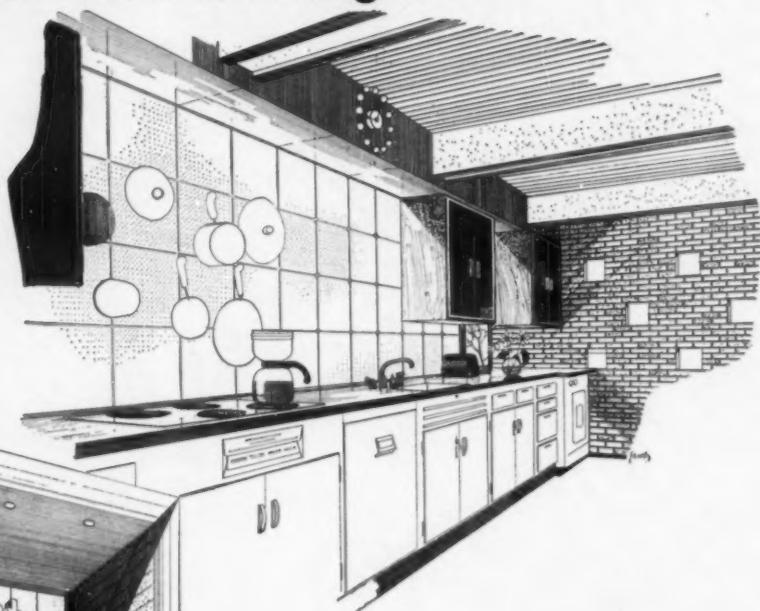


PM-126

# 3 ways to build DAYLIGHTING SALES MAGIC into your new buildings . . .

## KITCHENS

Here's a kitchen with brightness and cheerfulness built right in. Glass block panels flood working surfaces with soft, diffused daylight; easy to clean with a damp cloth.



## STORE FRONTS

Glass block is a "natural" for modernizing store fronts or in the construction of new stores. Go in at the same time—and in the same way—as modular brick and concrete block.

## BATHROOMS

Gleaming panels of glass block provide plenty of diffused daylight and complete privacy. In cold weather, its high insulating efficiency keeps bathrooms warm and draft-free.



Start to plan now to use versatile Owens-Illinois Glass Block in your buildings. For information or help with a specific problem, write: Kimble Glass Company, subsidiary of Owens-Illinois, Toledo 1, Ohio.

**OWENS-ILLINOIS GLASS BLOCK**  
AN **®** PRODUCT

**OWENS-ILLINOIS**  
GENERAL OFFICES • TOLEDO 1, OHIO

# Two Superior Products to Stop Moisture Through Floors... at Low Labor and Material Cost!

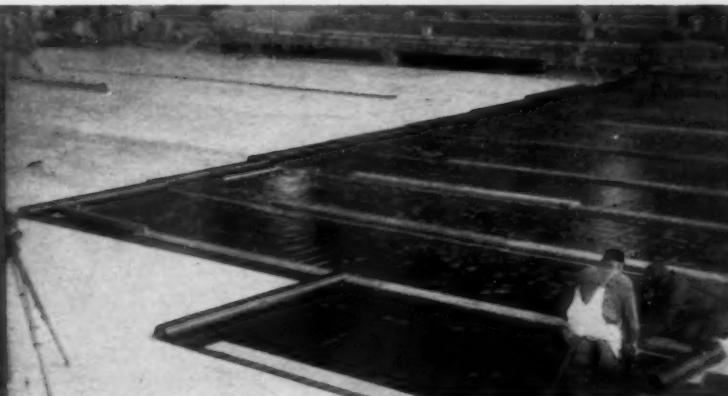
## SISALKRAFT VAPORSTOP

Rot Resistant,  
Tough Vapor Barrier



## SISALKRAFT MOISTOP

Polyethylene  
and Sisalkraft



### These Products Meet FHA and VA Minimum Property Requirements

These two tough vapor barriers protect against moisture migration from the ground, thereby helping to prevent rotting of structural members, loosening of floor tile, paint failures, etc.

They are tops for quick application on any job. Handy job size rolls mean economy, no waste. Just unroll over the fill or in the crawl space.

Sisalkraft Vaporstop gives you a low-priced yet completely effective product to stop moisture penetration.

Sisalkraft Moistop combines the permanency of polyethylene and the strength of Sisalkraft. There is no better product available anywhere. *Both* give you quality at low cost!

See your lumber or building material dealer or write:

### American SISALKRAFT Corporation

Chicago 6 • New York 17 • San Francisco 5

THE PUBLIC KNOWS THE VALUE OF PROTECTION AGAINST DAMAGING MOISTURE. YOUR USE OF SISALKRAFT MOISTOP OR SISALKRAFT VAPORSTOP CAN BE A BIG SALES FEATURE IN SELLING HOUSES.

### Other Products in the SISALKRAFT LINE

**Orange Label Sisalkraft** — Reinforced, waterproof building paper

**Copper Armored Sisalkraft** — Electro sheet copper for concealed flashing and waterproofing

**Sisalation** — Reflective insulation and vapor barrier

**Sisalite** — Pure polyethylene film

**Sisal-Glaze** — New plastic glass replacement

Award-Winning  
Builders Say:

# "Ceramic Tile's Extra



"The money we saved by using mastic applications enabled us to offer prospects extra tile luxury in the bathroom of this model. The ceramic tile floors, walls and ceilings of this bathroom are all set in mastic."

RAYBACK, INC. *William V. Reynolds*



Ceramic tile installations are one of the important dividends that Rayback, Inc. and B-H Builders, Inc. offer prospective buyers. Their award-winning homes, featuring these installations, are achieving outstanding sales successes although selling well above the low cost range. That's proof positive that today's average home-buyer is happy to pay more—providing he gets more.

Ceramic tile has beauty that your prospects can readily see and appreciate. That's "eye" appeal. And tile gives many other "extras" that can't be seen: lifetime durability, easy maintenance, and added resale value. These extra values provoke action—

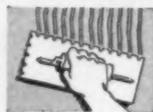
Location: Rye, N. Y. Area: about 2,730 sq. ft. under roof. Price: \$35,000. Other "Extra Value" features: open porch at either side of house, 16' side overhangs, four bedrooms, two baths, outdoor dining area sheltered by overhang. Architect: Ulrich Franzen. Award: House & Home.

How adhesive installations  
cut your tiling costs:



Use only adhesives bearing this seal—  
signifying that they meet minimum performance standards  
set by U.S. Department of Commerce.

Mastic bed on dry-wall  
cuts down preparation  
time and costs.



Tiles are set quickly  
and easily  
on mastic bed.



Job clean-up time is  
held to minimum.



# Values help sell our homes!"



"This sunken tub, set in ceramic tile, adds vital sales appeal to our new "Contemporary Colonial" homes. The adhesive technique made this tub practical, in that it cut our tiling costs to a minimum."

B-H BUILDERS, INC.

*Charles D. Baur*



they build "eye" appeal into "buy" appeal! They are the reason for ceramic tile's proven SALESPOWER!

You can cash in on ceramic tile's SALESPOWER, regardless of what type homes you build. New adhesive techniques—enabling contractors to install ceramic tile faster, easier and at lower cost than ever before possible—are putting additional tile installations within the reach of every builder—and every buyer!

Then, too, the new adhesive methods provide many profitable opportunities to tap today's booming remodeling market. For information on this new low-cost method of tile installation, consult your tile contractor.



Location: Allendale, N. J. Area: 2,800 sq. ft. Price: \$36,000 (including \$5,000 half-acre lot). Other "Extra Value" features: two fireplaces, family room, year-round air conditioning, radio-intercommunication system, radio controlled garage doors. Awards: American Builder and House & Home.

*The Modern Style is*

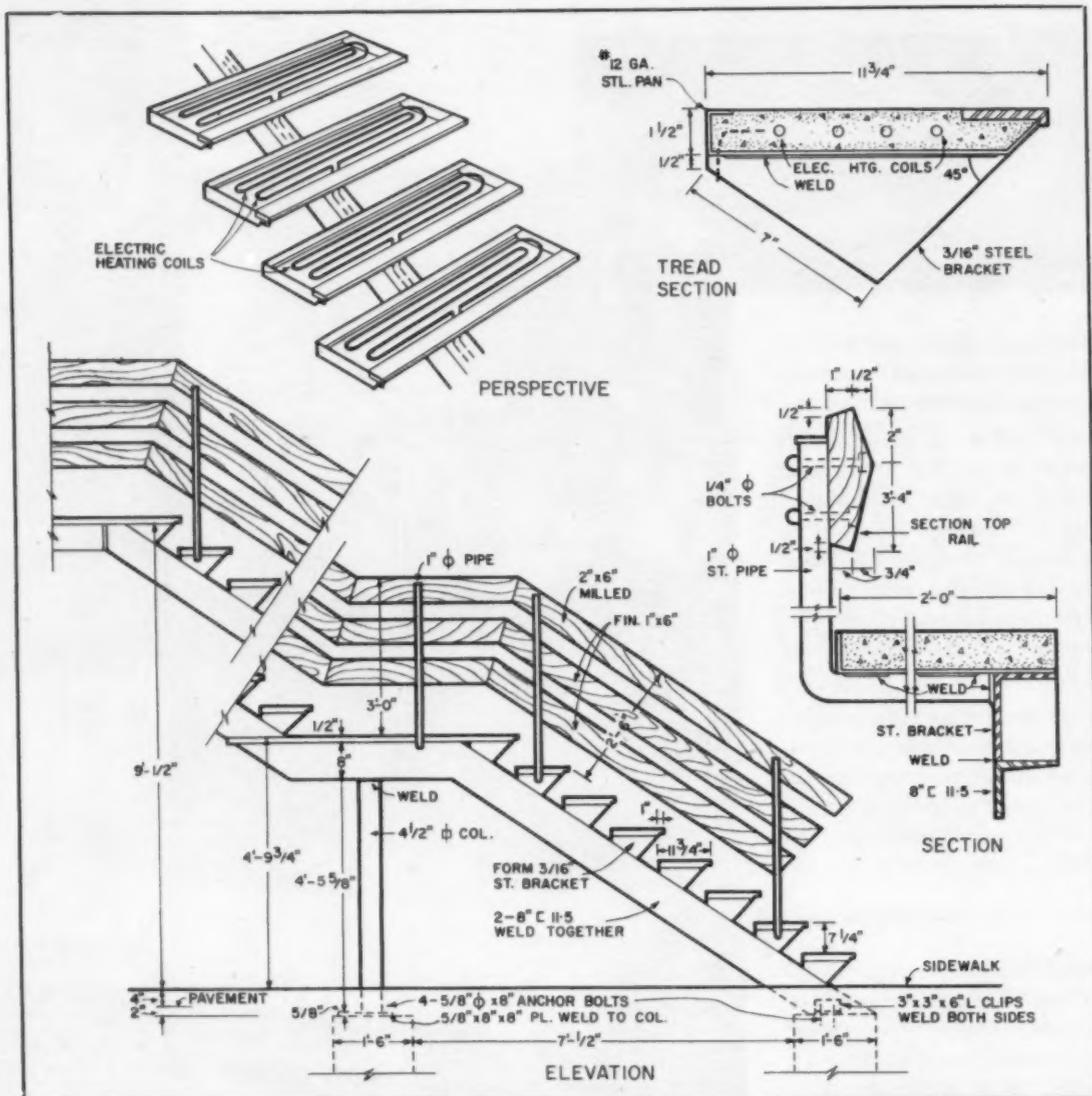
**CERAMIC**  
**tile**

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A BETTER CONSTRUCTION DETAIL TO HELP YOU ON THE JOB



Architect: Ernest M. Mandel, Chicago; Structural Engineer: George Kennedy & Associates, Chicago

## Motel steps go electrical

The danger of ice and snow on six exposed stairways of a new motel in Wilmette, Ill., made architect Ernest M. Mandel check into several possible solutions. He found, for the type of modernistic stairway planned, that an electrical installation would be most economical.

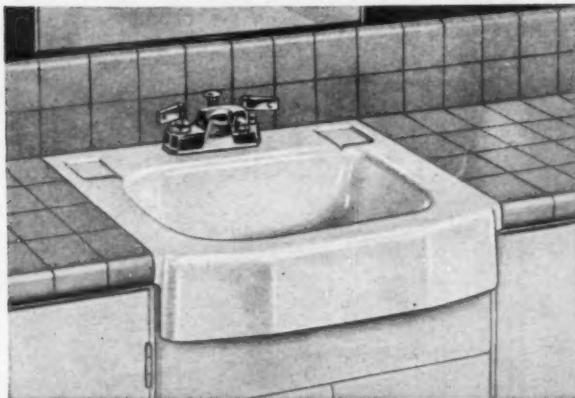
The G & M electrical contractors estimated the cost of operation at

12¢ per hour with an average of ten hours operation per year (Chicago area). Thermostatically controlled, the system won't run more than 15 to 20 minutes at a time during the season.

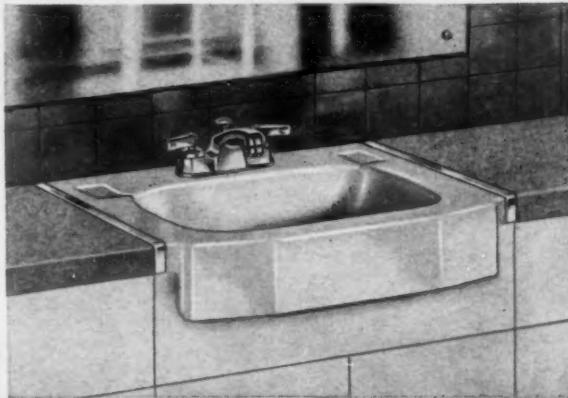
Construction data: the railings are made of wood, the frame of steel. Steel assembly will be prefabricated in the plant. The con-

crete steps with electrical heating cable imbedded in them will be cast on the job. Holes will be punched in the bracket of each step for the connecting wires. Cable used is a resisting type Nichrome wire. Covered with live rubber, it will be placed one inch below the surface of concrete on three- to four-inch centers.

Vilas, K-2835-C, of enameled iron, 20 x 18"



Piedmont, K-1850-C, of vitreous china, 20 x 18"

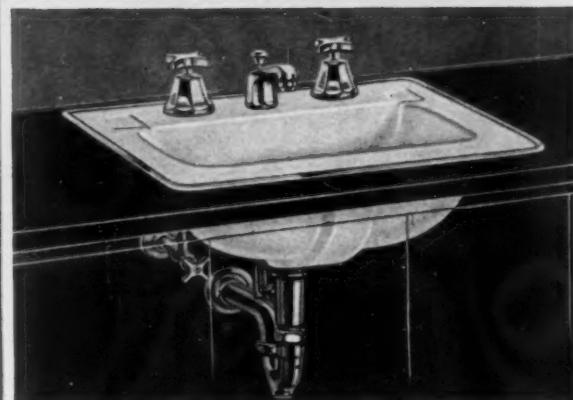


## KOHLER BUILT-IN LAVATORIES

Widest variety of types and sizes



Tahoe, K-2841-C, of enameled iron, 20 x 18", 24 x 18"



Arrowhead, K-1892-F, of vitreous china, 20 x 18", 24 x 18"

The Kohler line of first quality built-in lavatories offers maximum opportunities to meet the growing demand for installations on cabinets with counter-tops of tile, plastic, or other materials.

The Kohler Tahoe was the first built-in lavatory of enameled iron. The new Vilas is the first, of enameled iron, with extended front. Kohler Co. is the only manufacturer to pro-

vide the two types in both enameled iron and vitreous china.

Extended front design in the Vilas and Piedmont permits installation of these roomy lavatories with the space economy of 16-inch counters. All models have front overflows, ample basins, and integral soap dishes at both sides.

The Tahoe and Arrowhead are available in two sizes. All four are made in white and six colors. Fittings are all-brass, chromium-plated.

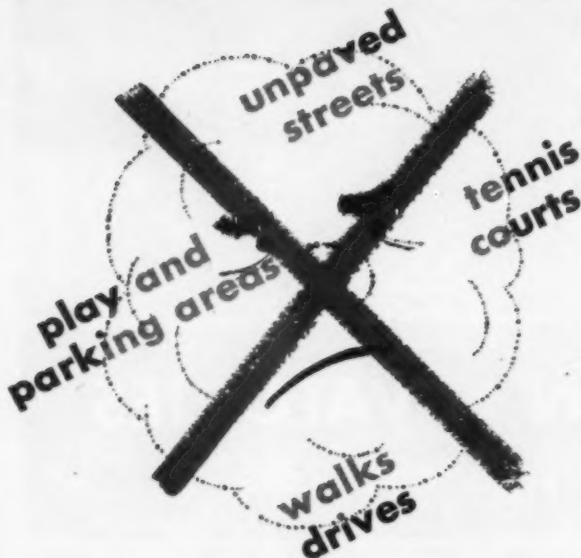


Kohler Co., Kohler, Wisconsin • Established 1873

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AIR-COOLED ENGINES • PRECISION CONTROLS

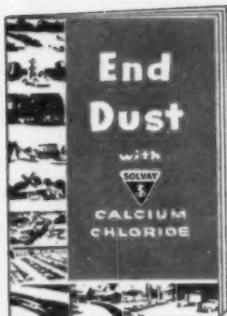
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on unpaved areas with

# SOLVAY CALCIUM CHLORIDE

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... Tells where and how to apply. quantity needed. Mail coupon now!



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## Mirro-Chrome introduces VISTA-VUE



An exciting fourth dimension in bath cabinet design . . . two wide plate mirrors open sideways and forward to give VISTA-VUE VISION, a perfect double reflection giving the user a complete self view. Your big, 1957 sales leader will be VISTA-VUE.

- Practical & Modern—The Ladies Love It.
- New and Different—Quality Shines Through.
- Matchless Beauty—Picture Framed in Gleaming Chromed Zinc.
- Two Convenient Sizes—Selected Plate Mirrors—Optional Fluorescent Fixture.
- AND, THE PRICE IS RIGHT!

"ANOTHER BATHROOM MUST FOR FINER LIVING."

**MIRRO-CHROME** Co., Inc., MAKER OF FINER  
250 W. 57th St., New York 19, N. Y. MEDICINE CABINETS.

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SINGLE HANDLE MIXING FAUCETS

FOR KITCHENS TUB & SHOWERS LAVATORIES

CONVENIENT DEPENDABLE ECONOMICAL MODERN

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SAVES **4** WAYS

In time, money, material and labor. This manually operated loader fills caulking guns with caulking, glazing, pointing, sealants, etc. compounds in seconds! Will load one-pound gun in two strokes. Saves over 30% in materials and 75% of time.

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DEALERS INVITED

## GIVE YOUR HOMES A SELLING PLUS WITH SIMPSON RUSTICWOOD!

● To make a home sale in today's highly competitive market, builders need a *plus*—like wall accents of beautiful wire brushed Rusticwood, the new, richly-textured redwood plywood that makes homes sell on sight.

Rusticwood is not only appealing to prospects—it is popular with builders because it goes up quickly, with shi lap joints and dimensions of 4' x 8' to 10'. And although Rusticwood is economical, it adds thousands of dollars to the *appearance* of your homes when used for either interiors or exteriors.

Rusticwood is the kind of an extra value that prospects are looking for—so make your home sales easier by using beautiful Rusticwood redwood plywood, made by Simpson, the largest producer of redwood in the world. Write now for your FREE Rusticwood sample together with Simpson's new 36-page booklet "Manual on Finishing Plywood." Simpson Logging Company, Sales Office, Plywood and Doors (Room No. 801), 2301 N. Columbia Blvd., Portland 17, Oregon.



**Simpson**  
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You can also rely on Simpson for Acoustical, Insulating Board and Hardboard Products, plus a complete line of specialty plywood and doors.

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says:

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Great  
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**New-Type, All-Concrete Pool**—Sells as a package complete with all finest equipment. Exclusive features and Good Housekeeping Seal make sales easy. Installation so simplified it's no problem.

**Million-Dollar Promotion**—Means volume sales for you. NBC-TV "Home Show" . . . full pages in Life, Better Homes & Gardens and other publications . . . sensational promotion tie-in with Pepsodent . . . dynamic local support.

**And Esther Williams, Too!**—The greatest name in swimming sets you up as the leader in your area as soon as you hang up your sign. Esther Williams is the magic name that gives you prestige, product identity and sales.

**Action Now Gets Results Now**—The biggest season ever is just ahead. Small inventory gets you started as a dealer. Write today.

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Stock and sell our dealers in an exclusive area. Five-figure investment required depending on area potential.

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## American Builder

KEEPING UP WITH THE LAW:

### How new legislation may bring needed tax relief to home owners

By JOHN F. McCARTHY

Attorney-at-law



Two measures before the present session of the Congress, if enacted into law, would afford some measure of relief on federal income taxes to home owners. Thus, they also are of benefit to home builders and deserve the support of the home-building industry.

One measure was introduced by Senator Charles E. Potter of Michigan. It would substantially extend the time within which a taxpayer may sell his home and reinvest the proceeds of his sale in a new residence and avoid a capital gains tax.

The Federal Internal Revenue Code provides that if property which is used as the principal residence of the taxpayer is sold at a profit, and other property to be used for the same purpose is purchased, a taxable gain is recognized only to the extent that the sales price of the old property exceeds the cost of acquiring the new. Where the property sold contains more than one unit, there must be an apportionment of the profit between that attributable to the part occupied as the residence of the taxpayer and the balance. The present law requires that the new home must be acquired either a year before or after the sale of the old. If the acquisition of the new residence involves new construction, the work must be commenced within a year after such sale and be completed within eighteen months thereof. The amendment proposed by Senator Potter would extend the period of one year to five years.

It is worthwhile noting that the Federal Internal Revenue Code permits a taxpayer, in computing his profit on the sale of his home, to deduct not only the usual expenses of sale, such as advertising, brokerage commissions and attorneys fees, but also bills for work performed in fixing up the old residence. These include items for repairs, painting, redecoration and the like. They, of course, do not include expenditures for items in the nature of capital improvements or additions. The law requires, however, that the work must have been done during a ninety day period ending on the day the contract to sell is made, and that the bills therefor must be paid within thirty days after the residence is sold.

The other measure, designed to afford some tax relief to homeowners, was introduced by Congressman Lawrence H. Smith of Wisconsin. If enacted into law, it would permit taxpayers to deduct depreciation on their homes as an expense in figuring their federal income taxes.

Under the Federal Internal Revenue Code, as it now stands, taxpayers may deduct depreciation as an item of expense only on rental properties or on business properties. Deductions by home owners generally are limited to real estate taxes and interest on mortgage indebtedness. The amendment proposed by Congressman Smith would put residences on the same footing as other properties.

## SURE SIGN OF MORE VALUE AT VERY LITTLE COST...



### For all types of windows and doors

By using National Weatherstripping on the homes you build, you can give your buyers *extra value for their money*. That's because National Products make any house more weatherproof, more comfortable, and much less expensive to maintain. Yet, the added buy appeal of National Weatherstripping costs only a few dollars per house—certainly a worthwhile investment in added customer satisfaction, quicker sales, and greater profits.

### PACKAGED WEATHERSTRIP



Made and stocked in sizes for all standard windows and doors, National Packaged Weatherstrip is furnished in individual cartons. Each carton contains enough prefabricated material for one window or one door, with sufficient screws and nails.

### COLUMBIA SPRING WEATHERSTRIPPING



National's Columbia Spring Weatherstripping is available in either bronze or aluminum. It's furnished in 17' or 100' rolls, pre-punched and with an ample supply of nails, ready for speedy, simple installation.

### NATIONAL THRESHOLDS, SILLS, SADDLES



All are supplied pre-cut to standard sizes, polished, and completely machined and individually wrapped with necessary screws and hooks. They're made of aluminum or bronze in a number of styles to suit any requirement.

### LOOK TO NATIONAL FOR HIGHEST QUALITY

- Metal weatherstripping • Special rolled moldings • Linoleum binding and edging • "Tripl-Tite" aluminum siding • Porcelain enamel building panels • Porcelain enamel signs

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MAY 1957



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## SPEED KING® Plaster-Mortar Mixers give you Jaeger-quality features at dollars-ahead prices

Timken shaft bearings with lifetime seals. Fast, thorough "figure 8" pugmill mixing with four sets of 3-blade paddles for a smoother, more even tempered material that is easier to spread or spray. Drums of special abrasion-resistant steel. Gasoline or electric drive with shift lever power engagement, designed for long belt life, quiet operation.

See your Speed King dealer, or send for catalog and low prices.



Speed King 3 1/2 S Tilting Concrete Mixer. Jaeger features, popular priced

SPEED KING Manufacturing Co., 521 West Spring Street, Columbus 16, Ohio

Division of The Jaeger Machine Company

## Difficult Tri-Level Forming Problem Solved with GATES SYSTEMS



Foundation plans for this brick tri-level specified 19 different elevations and many wall irregularities. To form the tricky foundation easily and economically, Morris Bros. Construction Co., Denver, Colorado, used Gates Vertical Rod High-Wall System, with a unique combination of 3/4" plywood panels for the exterior and S4S sheathing for the interior.

The versatile Gates Systems can help solve your forming problems, too!

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AD 9/57



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Sweet's 1957  
Architectural  
File, or  
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Founded 1849—Every Hager Hinge Swings on 100 Years of Experience



••



"Homes by Himley" of Park Ridge, Illinois find this built-in cabinet of molded plastic drawers a big selling feature. The 20 drawers each measure 6" x 18" x 15 $\frac{3}{4}$ " deep and are manufactured by the Richardson Company, Melrose Park, Illinois.

*Builders find out . . .*

## Built-in dressers build up sales

Built-in . . . that's the selling word today! And here is the built-in that has broad appeal. Smooth, easy-to-care-for molded plastic drawers in a stylish cabinet. The cabinet is hung so that there are no legs to get in the way of cleaning. It's big enough to take care of every storage requirement.

Take a closer look at those drawers molded from BAKELITE Phenolic Plastic. The finish is a luxurious satin black that will never wear out. The drawers are all

in one piece with no cracks or joints to hide dust. They'll never warp or mildew, never stick. And the installation is fast and easy . . . just mount the pulls and slide into place.

In your homes, you can build in extra selling features with these drawers. Use them in bathrooms . . . for cellar and attic storage areas . . . in kitchens or closets. The low cost will surprise you. For further data on suppliers, drawer sizes and installation, write Dept. XD-5.

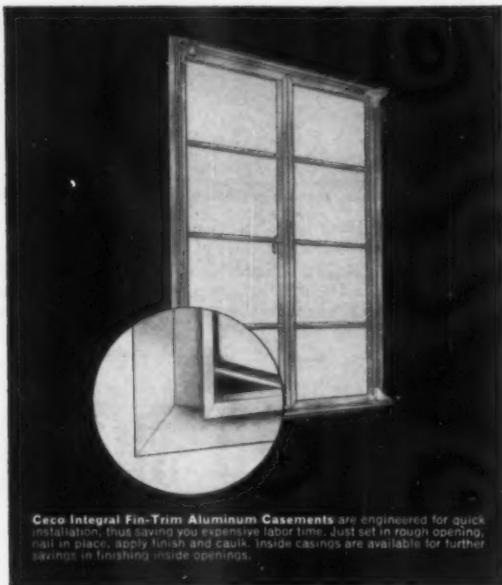


**BAKELITE COMPANY**, Division of Union Carbide Corporation  30 East 42nd Street, New York 17, N. Y.  
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**CECO WINDOWS... THE LINE DESIGNED WITH THE BUILDER IN MIND**



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**LET CECO SPRUCE UP YOURS**



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Awning Windows

In construction products Ceco Engineering makes the big difference . . . Windows, Screens and Doors / Metal Lath / Metal Roofing Products / Steel Joists / Concrete Reinforcing

## MONEY SHORTAGE

(Continued from page 22)

level for immediate future."—R. Stewart Rauch, Jr., president, The Philadelphia Savings Fund Society.

• "... Vermont banks have supported home mortgage market. . . . Conventional and FHA mortgages favored at present . . . See no evidence here for report that outlook is for lower rates on home mortgages."—Levi P. Smith, president, Burlington Savings Bank.

• "We find there are funds available for home loans principally for conventional and a limited amount of FHA loans. There is no 4½% money at par. Cannot foresee any lowering of interest rates for at least the first half of this year . . . FHA and GI loans with minimum down payments are selling at substantial discounts."—President of a large West Coast Savings Bank.

• "... Outlook for interest rates is toward firming up on present levels with some possibility of softening in the interest rate picture towards the end of 1957. Funds for VA loans at the present rate of 4½% are practically non-existent. In the conventional home mortgage field, present high rates have tended to discourage refinancing of loans. Activity is primarily on new construction and in connection with sales of properties."—Earl B. Schwulst, president, Bowery Savings Bank, New York City.

With few exceptions, other savings banks contacted by American Builder agreed: There's money for conventional loans, some FHA financing available, practically no VA money.

Here's what savings and loans associations had to say:

• "... Interest rate seems to be firm at 5½% for 1957. . . . GI loans at 5% would probably bring more money into the market; 4½% is not of interest to lenders because of increasing cost of money, higher overhead and higher rates paid to savers."—H. B. Diefenderfer, president, Country Federal S. & L. Assn., Rockville Center, N. Y.

• "Conventional lending in this area has continued at a high volume during the past year, but at somewhat higher interest rates. We see no significant change ahead in this picture. The real casualties in local lending have been GI and FHA loans. . . . This situation will continue until Congress realizes you can't repeal the law of supply and demand and authorizes realistic interest rates."—Exec. Vice

(Continued on next page)



# GPX YELLOW

## PLASTIC SURFACED PLYWOOD

Mr. Builder, board-and-batten, so popular with today's home-buyer, is a real profitmaker for you with GPX Yellow. Easy-to-handle panels cover large areas fast. Battens cover edges. Your economies continue right through to the finish—GPX Yellow is engineered to take paint without sanding or sealing. Two coats give a lasting beautiful finish that will never check. For gables, soffits, shutters—for unlimited interior uses, too—GPX Yellow can be machined, drilled, nailed, patched, riveted, glued or sawed. Put it to the test on your next job.

**smooth!** The CreZon surface of GPX Yellow is bonded on one or both sides with a phenolic resin overlay. Engineered for paint—it's the smoothest surface obtainable. Standard 4'x8' panels are available in thicknesses ranging from 5/16" to 3/4". Larger sizes and thicknesses at extra charge.

send for a free sample

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CORPORATION

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Gentlemen: Please send me a sample of GPX Yellow.

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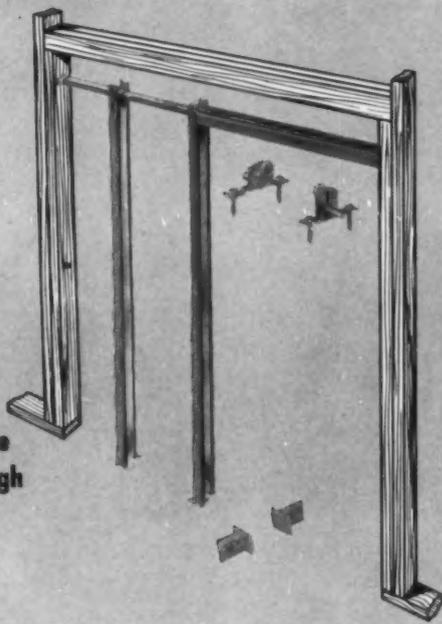
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# STANLEY Hardware



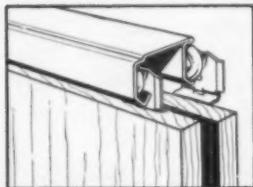
Just one frame set  
that fits all door  
sizes . . .

- 2' 0" to 3' 0" wide
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- 3/4" to 1 3/4" thick

## New! One size that's right for every job!

Stanley's new 2825 is easy for one man to install in less than 20 minutes. Adjustments can be made even after trim is in place. Best of all, the telescoping track adjusts for all standard door sizes. You just can't order the wrong size!

Now you can specify **STANLEY** for all sliding door hardware



2880 hardware for both 3/4" and 1 1/4" by-passing doors. Vertical adjustments can be easily made without loosening door screws.

Sliding doors equipped with Stanley hardware are installed faster, glide more smoothly, last far longer, require no call-backs. Get the full details today. Ask your dealer or write Stanley Hardware, Division of The Stanley Works, 105 Lake St., New Britain, Conn.



New 2980 hardware for bi-folding doors. Permits full access to interiors, minimum projection of doors into room. Eliminates bottom track.

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## MONEY SHORTAGE

(Continued from page 235)

Pres. of a Southern S. & L. Assn.

• "There has been a substantial drop in construction loan financing but the primary reason is poor sales and not lack of mortgage money. There have been plenty of funds for conventional construction loans but lack of yield has slowed up volume of GI and FHA financing. We do not look for any appreciable change in interest rates on home loans and anticipate that they will level off on their present high plateau for some time to come. This will leave an adequate volume of money for conventional financing and will retard the flow of funds into the GI and FHA markets."—Howard Edgerton, president, California Federal S. & L. Assn.

• ". . . We have had inquiries from two metropolitan savings banks seeking to purchase conventional mortgages. However, the interest that has been evidenced is in loans that will yield, to the investor, a return of at least 5% . . . In short, not even the FHA rate is sufficient to stir investor interest unless the seller of the mortgage is willing to release servicing to the purchaser. The interest, rather, is in 5 1/2% minimum rate conventional mortgages which, after a deduction of 1/2 of 1% for servicing, will yield the acceptable 5% return. In our opinion, therefore, government-backed loans must yield a rate of at least 5% to evoke any substantial investor interest."—Charles F. Kenny, Jr., vice president, Island Federal S. & L. Assn., Hempstead, N. Y.

Consensus of opinion of some of the nation's largest insurance companies is the same: There is money for conventional financing because of the flexible interest rate.

And, as one bank official told American Builder: When you're lending other people's money, you have to get the most for it that you can—particularly on any long-term investments.



**LOW COST  
HOUSES...  
...in JUNE**

Best HEAD in the BUSINESS!



- The Best Head in the Business—That's why 4 out of 5 buy Clipper.

Clipper SUPERMATIC is years ahead with the heavy duty cutting head powered by a specially designed 2 H.P. G.E. motor, and over 30 outstanding features found on no other masonry saw . . . it is engineering leadership by men who know the masonry cutting industry.

SUPERMATIC . . . the only masonry saw in the world with the cutting head you can raise or lower . . . safely . . . quickly . . . from 0" to 17"

without turning off the motor. No down time . . . more production time.

Whether cutting wall tile or cement block, the recessed Hi-Lo Control Wheel does everything! You're ready to cut at any height. No Adjustments to Make! No levers or knobs to pull, no slides, gears or unnecessary parts to wear out.

Call your Clipper Trained Factory Representative Collect and let us prove to you . . . on Free Trial . . . that we have the Best Head in the Business. Saws priced from \$335. And . . . for outstanding economy, use the World's Finest Blades . . . Clipper Premium Quality.

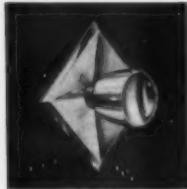
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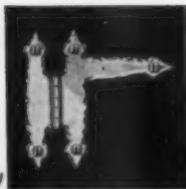
These four  
**AJAX** Style Lines  
sell your kitchens!

*Tulip Knob*



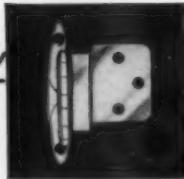
Tulip knobs designed to complement the highly-popular tulip design lock sets. Matching back plates in round, diamond and square. All standard finishes.

*Early American*



Early American flush and offset H and H & L types; semi-concealed hinges; knobs and pulls. Available in hammered antique copper, hammered black, and forged-edge smooth-surface polished brass.

*Deluxe Cabinet Hinge*



A very modern, semi-concealed cabinet hinge that is luxurious yet low priced. Rounded design permits faster installation by concealing slight misalignments. No. 555 is available in all standard insets and finishes.

*Beveled Pull & Back plate*



Outstanding design. Beveled-edged, concave drawer pulls and matching back plate. Available in all standard finishes including polished copper.



*It's the details*

that sell today's home and nothing contributes more to the appearance and sales-appeal of a house than good cabinet hardware. In addition to standard functional items AJAX offers you four high-style lines that compliment the many finishes in today's kitchens. The price is very right, too. Send for free catalog.

*Brand New!*



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HARDWARE OF PRESTIGE

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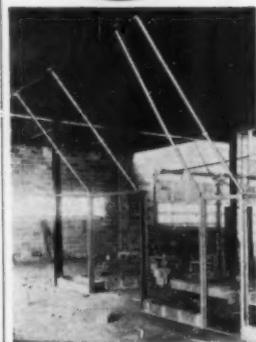
**FOR SALE:** Plywood forms for solid concrete walls. Forms and trailer reasonable. Also finish machines for sale. Write Box No. 265—American Builder, 30 Church Street, New York 7, N. Y.

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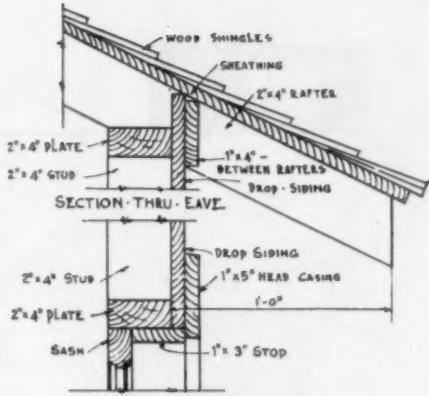
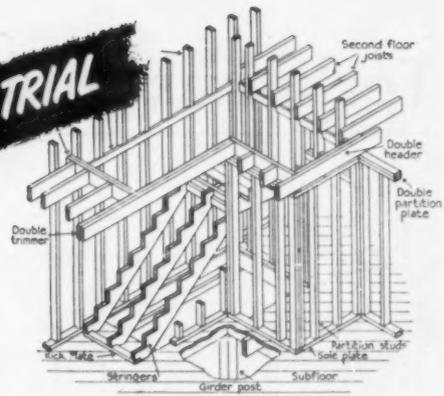
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- Interior walls finished in plaster, in plywood • Wall panels • Mouldings for interior trim • Stair construction • Windows
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- Breakfast alcove • Sewing room • Flooring • Chimneys and fireplaces • Mantels and seats • Outdoor fireplaces • Scaffolds • Garages • Insulation • Arches and gates • Lattice porch, lattice trellis • Garden benches, tables • Fences • Barns
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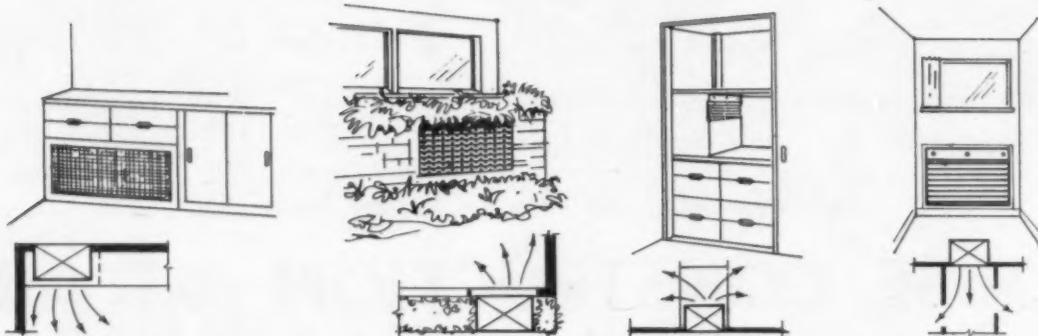
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**TWO METHODS** of concealing the projection of the air conditioner inside and outside the house are shown directly above. At far right: a unit within a closet wall that

serves adjoining rooms; a unit at the end of a central hall—a method which can successfully air condition an 800 sq. ft. house.

## How to install room-unit air

No one will dispute the fact that the installation of air-conditioning is an attractive sales feature which will help you sell houses because the added comfort it gives makes it a worth while investment for the buyer.

Many builders, however, are reluctant to add air-conditioning because they feel the cost factor will price their houses out of the market. They base their estimates on the central system which, if properly engineered provides one of the finest types of installations, but does appreciably affect the total cost of the home.

The room-unit air conditioner, which in the past was installed in a window more or less on a temporary basis, is now available for permanent thru-the-wall installation. Because of the many advantages it offers, such as compactness and relatively low cost, this type of air conditioning may well be the answer to the builder's problems.

A tried and proven product, these units are accepted by most lending institutions so that they may be included in the mortgages. Then, too, depending upon the buyer's finances, the builder can offer either air conditioning for each room or

partial air conditioning.

While the individual room air conditioner is limited in the amount of space it will cool, and only the very smallest of homes can be handled by one room unit, the average home can be effectively cooled with two or three installed in the major living areas.

### Zone control: a matter of flexibility

One of the most important points in favor of the individual air-conditioning unit is that it provides individual room or zone control. An entire system need not be operated to cool, ventilate, exhaust, and filter the air of individual areas. Example: it may not be necessary to cool the sleeping areas during the day. On the other hand, living areas need not be cooled at night. Only those units need be operated which cool the bedrooms.

From the home-owner's viewpoint, this can be an important factor in the reduction of overall operating cost.

Another advantage: an equipment failure involving one unit would affect only the cooling of that particular room or area. The home would still have the benefit of

partial air conditioning.

### How to compare costs

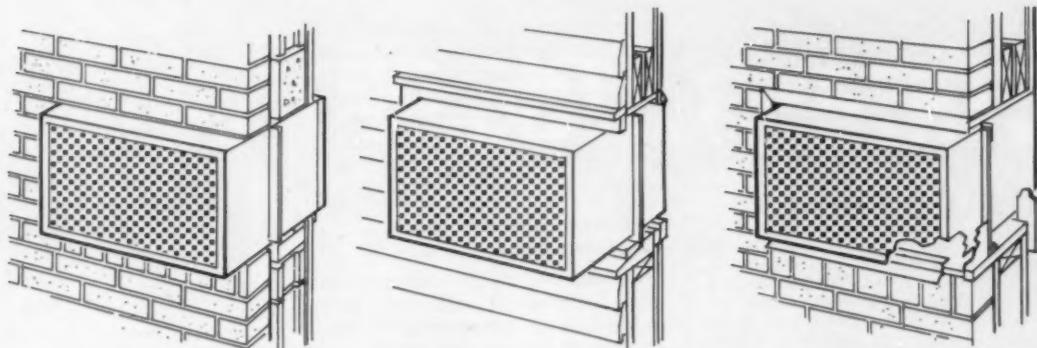
In favor of the individual room unit is the factor of cost. To properly evaluate the two systems, you should chart the initial equipment cost. To consider the central system, costs must be tabulated on the cooling unit with the possible addition of a separate condenser and cooling tower, as well as the ducts, wiring and piping. Installation labor, too, is an important factor and must be considered.

From the initial cost, the individual room unit is a self-contained package. No duct work is involved and it requires only the installation of a power outlet. Labor cost is involved, such as for preparation of the opening and final installation, but this, while it must be considered, is relatively low.

Much, of course, depends upon the requirements of the job. Since the room unit is limited in the amount of space it will cool efficiently, there may often be cases where it may be more economical to provide one central system rather than a multiple installation of individual room units.

In making this comparison you

# month for May



**HOW TO ADAPT** the room type air conditioner to the three basic types of wall construction (masonry, frame and brick veneer) is illustrated here. The most important

factor in installation of air conditioners is to provide proper flashing and caulking to insure air and water tightness.

## conditioners for better sales

should also consider the present heating system being used. If the addition of a central air-conditioning unit requires a minimum of changes in the method of transferring the cool air through the existing central heating system then central airconditioning may prove to be the most economical.

In favor of the room unit however, its use is not affected by, nor does it govern, the choice of the heating system. If the present method of heating is proving satisfactory and economical here is the opportunity of adding airconditioning without changes in the present system.

### Versatility of installations

The individual room type air conditioner can be installed in any type of wall construction and in almost any location providing it is exposed to outside air. In addition there is usually no problem in installing the units so that they may be mounted flush with either the interior or exterior walls. Since units are thicker than most walls, a projection is required on one side or the other. However, if desirable it may be set halfway in the wall so that the projection is equal on both sides.

The location in the room is largely a matter of personal preference. In actual tests, the location, either high or low on the wall, made no appreciable difference in the efficiency of the unit.

Naturally the unit must be located so that controls are easily accessible and the free flow of air is not impeded. But since the unit can be adjusted to deflect the cool air in any direction it can be adapted to almost any situation.

The most logical location seems to be the space beneath the windows, providing the sill is high enough from the floor to accomo-

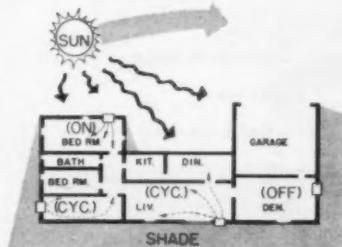
date the unit.

The kits and units that are available make the installation of the room unit a relatively simple operation. Sleeves or cases are provided with adjustments which allow them to be fitted into the wall during construction. The unit itself is then slipped into place during the final finishing operation.

Another advantage the sleeve or case offers the builder is that he can install them during construction and, if closed with a temporary panel, he can then offer the home buyer the option of having the unit installed at a later date. Final installation does not require skilled labor and the home owner can often do this himself as his finances permit.

Mechanical equipment is subjected to occasional breakdown. Many of the manufacturers have made provision for servicing at the lowest cost and with the least inconvenience to the owner. The operating mechanism is readily removable, and the service man merely replaces this with a new unit and sends the defective one back to the factory for repair or rebuilding.

*(Continued on page 242)*



**ROOM UNITS** have individual thermostatic control and may be adjusted to personal temperature preferences and the constantly changing sun load.

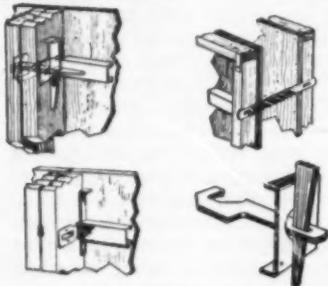


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"All concrete forms are quite similar in construction and application," points out Harry Langlois, general superintendent for the Langlois Construction Company of La Grange, Illinois. "We found, however, that Waco forms had certain features we liked."

"For one thing," he explains, "Waco forms have fewer parts to get lost or misplaced. In fact," Langlois adds, "Waco forms have only these four basic elements in addition to the form itself, which comes in a variety of sizes to meet every forming need. First—there's a one-piece wedge-bolt, that serves as both a wedge and a bolt, for tying the forms together. Then—a one-piece waler, for fast, easy waler attachment. Next—flat bar wall ties are self-aligning... the extended ends show at a glance the locations of the ties before pouring. And finally—spring retainers in the panel reinforcing sections hold a complete set of Waco wedge-bolts right with the panel."



"We like the way Waco forms stand up for an above-average number of pours, too," Langlois continues. "We've used our Waco forms now for the eighth time, and we're more sold on Waco than ever. I suggest that when you need forms to rent or buy, you get in touch with your nearby Waco form distributor."

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## AIR CONDITIONERS

(Continued from page 241)

### Solution to remodeling

Many remodeling jobs have not used air conditioning because of the cost involved in ductwork and installation labor required for the central system. The room unit provides a simpler solution. While it is true that openings must be cut in the wall and power provided, there still can be an appreciable saving in labor that will bring room-unit air conditioning within the budget.

### Commercial buildings use room units

Apartments, motels, offices and other commercial structures can use the same advantages of the room units that are true for homes. In addition there are other benefits both to the tenant and the landlord.

One most important factor that has been brought out is the individual metering. The tenant does not have to pay his proportion of the total operating cost of a central system; but since the units in his area receive their power through his electric meter he pays only for the amount of airconditioning he needs or desires.

Motels, while they do not have the advantages of individual metering, do save in operating costs because the air conditioning is turned on in only those rooms which are occupied.

Because of the small amount of construction time necessary to install this type of unit, occupied buildings may be air-conditioned with the minimum amount of inconvenience to the tenant.

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American Builder tells you

what's new in

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—Ship Teco trusses folded — save 35% shipping space per truss.

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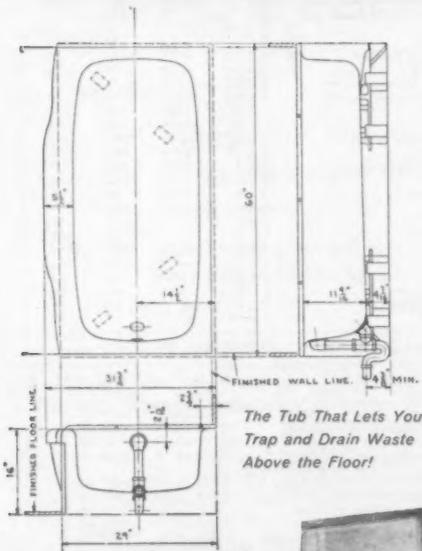
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Trap and Drain Waste  
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## BLUEPRINT HOUSE ESTIMATING GUIDE

(Continued from page 71)

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### CONCRETE WORK

Location	Actual	Actual -5%
Foundation Footing (House)	217 cu. ft.	
Foundation Footing (Garage)	52 cu. ft.	
House Walls 7'0"	718 cu. ft.	
Garage Walls, etc. 4'0"	180 cu. ft.	
Chimney Footing	45 cu. ft.	
Slab (House)	414 cu. ft.	
Porch & Breezeway Slab	92 cu. ft.	
Slab Garage	83 cu. ft.	
Fireplace Slab	16 cu. ft.	
	1817 cu. ft.	1909 cu. ft. or 72 cu. yds.

### BLOCKWORK & MASONRY & ACCESSORIES

Location	Description	Amount
Chimney Base	8" Block	91 sq. ft.
Chimney & Fireplace	Brick	200 cu. ft.
Flue Lining	12" x 12" T.C.	18 lin. ft.
Wall	Brick 4"	80 sq. ft.
Reinf. Bars	½" Diam.	96 lin. ft.
Lintel	3½" x 3½" x 5/16" x 4'0"	2 pieces
Porch Mesh	6" x 6" 10/10 Mesh	140 sq. ft.

### TILE WORK

Location	Description	Amount
Floors	Ceramic	48 sq. ft.
Walls	Ceramic	104 sq. ft.

### DRYWALL

Location	Amount
House Walls	approx. 2880 sq. ft.
House Ceilings	approx. 1335 sq. ft.
Garage Walls	approx. 475 sq. ft.
Garage Ceilings	approx. 245 sq. ft.

### FRAMING LUMBER

Location	Size	Piece	Lin. Ft.	B.F.M.
Sill Plate	2 x 4	—	152	101
Floor Beams Rear Right	2 x 10	21/18	378	630
Floor Beams Rear Left	2 x 10	9/16	144	240
Floor Beams Left Front	2 x 10	18/12	216	360
Floor Beams Right Front	2 x 10	21/18	378	630
Girder	(3) 2 x 10	3/14	42	70
Porch Beam	(2) 2 x 10	—	68	114
Garage Door Header	(2) 2 x 10	2/10	20	34
Patio Girder	(2) 2 x 10	4/14	56	94
Living Rm. Wind. Header	(2) 2 x 12	2/18	36	72
Bedroom Window Header	(2) 2 x 10	4/8	32	54
Rafters	2 x 6	72/22	1584	1584
Rafters	2 x 6	38/16	608	608
Ceiling Joists	2 x 4	32/16	512	342
Ceiling Joists	2 x 4	38/18	684	456
Patio & Garage Joists	2 x 4	38/12	456	338
Purlins	2 x 4	—	660	440
Ridge Board	2 x 8	—	56	75
Truss Ties	2 x 8	—	144	192
Truss Ties	2 x 4	—	144	96
Bridging	1 x 4	—	640	214
Studs	2 x 4	525/8	4200	2800
Plates	(3) 2 x 4	—	1260	840
Posts	4 x 4	2/8	16	22
Bathroom Studs	2 x 6	8/8	64	64
Bathroom Plates	(3) 2 x 6	—	24	24
Patio Ridge	(2) 2 x 10	2/12	24	40

### SHEATHING, SIDING, FLOORING, ROOFING, INSULATION, ETC.

Location	Description	Actual	Actual +10%
Sub Floor	1 x 4 S4S	1340 sq. ft.	1474 sq. ft.
Finish Floor	Wood	1125 sq. ft.	1238 sq. ft.
Side Wall Sheathing	1 x 6 T & G	2270 sq. ft.	2497 sq. ft.
Siding	Wood	2200 sq. ft.	2420 sq. ft.
Roofing	Composition		
	Shingles	2788 sq. ft.	3067 sq. ft.
Roof Sheathing	1 x 6 Shiplap	2788 sq. ft.	3067 sq. ft.
Wall Insulation	4" Batts	1500 sq. ft.	1650 sq. ft.
Ceiling Insulation	4" Batts	1340 sq. ft.	1474 sq. ft.
Kitchen	WF Plywood	167 sq. ft.	184 sq. ft.
Kitchen	Linoleum	167 sq. ft.	184 sq. ft.
Floor Insulation	Silver Foil	1340 sq. ft.	1474 sq. ft.
Area ways	G. Iron	7 pieces	7 pieces

Note: The waste factor is determined by the material used and the method of installation.

### MILLWORK

Exterior Trim Location	Description	Amount
Fascia	1 x 8	150 Lin. ft.
Fascia Moulding	1 x 2	150 Lin. ft.
Fascia	1 x 6	140 Lin. ft.
Frieze Board	1 x 6	110 Lin. ft.
Louvers	Wood	2 Pieces

Interior Trim Location	Description	Amount
Base	1 x 4	360 Lin. ft.
Cl. Pole	1 1/2" Diam.	28 Lin. ft.
Pole Sockets	Wood	5 Pair
Closets	1 x 3	26 Lin. ft.
Hook Strip	1 x 4	50 Lin. ft.
Shelving	1 x 12	90 Lin. ft.
Stairs	14 Risers	1 set

#### DOOR SCHEDULE

Exterior Trim Size	Description	Amount
8'0" x 7'0" x 1 1/4"	4 panel O.H.	1
3'0" x 6'8" x 1 1/2"	Flush, S.C.	1
2'8" x 6'8" x 1 1/4"	4-lite or 4-panel	3
<b>Interior Doors</b>		
2'8" x 6'8" x 1 1/4"	Flush, H.C.	3
2'6" x 6'8" x 1 1/2"	" "	3
2'4" x 6'8" x 1 1/2"	" "	1
1'8" x 6'8" x 1 1/2"	" "	1
<b>Folding Doors</b>		
8'0" x 7'0"	" "	1
5'0" x 7'0"	" "	3
4'0" x 7'0"	" "	1
		<b>Total 18</b>

Note: All doors are to be ordered complete from the door schedule to include doors, door frames, trim, casing, saddles, stops, etc.

#### WINDOW SCHEDULE

Size	Description	Amount
2 (2'6" x 4'0")	Gang of 2	2
2 (3'0" x 2'0")	Gang of 2 T.H.	3
3 (2'0" x 4'0")	Gang of 3	1
2'0" x 4'0"	" "	2
2'6" x 2'0"	" "	1
2'8" x 1'6"	Cellar Sash	7
		<b>Total 16</b>
Aprons	1 x 6	60 Lin. ft.
Steels	1 x 8	60 Lin. ft.

Note: All windows are to be ordered from the window schedule in gangs as specified complete to include frames, sash, trim, casing, mullions, stops, etc.

#### KITCHEN CABINETS

Location	Size	Amount
Counter	7'0" x 3'0" x 2'0"	1
Counter Top & Back Splash	14 sq. ft.	1
Broom Closet	1'6" x 7'0" x 2'0"	1
Sink Counter	8'6" x 3'0" x 2'0"	1
Counter Top & Back Splash	17 sq. ft.	1
Counter Hanger	8'6" x 2'8" x 1'0"	1
Oven Hanger	2'6" x 2'0" x 1'0"	1
		<b>Total 7</b>

Material breakdown prepared by Joseph Steinberg, head, and Martin Stempel, senior instructor, Construction Technology Dept., New York City Community College.

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**BUILDERS' HARDWARE HANDBOOK.** Adon H. Brownell, A.H.C. Published by Chilton Co. (Philadelphia) 1956 for Hardware Age. 240 pp, illus. \$8.00.

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# The Month Ahead

## **TIME TO BUY?**

While the slack in house building hurts, there are a few advantages that can be gleaned out of it. For instance, the drop in starts and the seasonal slump have combined to push the cost of brick, lumber and other products down in many areas. It might pay you to take a check of local suppliers to see what bargains there are. You may benefit from stocking up on items that are really cheap at the moment.

## **CHECK THE OTHER GUYS**

As always, you'll get lots of ideas from looking around this Spring to see what the other boys are building. A few cities will have Spring parades—Houston, for instance, will hold its parade from the 11th to the 19th of this month—and Milwaukee and Madison, Wis., are both scheduled for Spring parades later on. If you're in these areas, there's no better way to see a lot of houses at one time.

## **VACATION HOUSES**

If vacation cottages are on your program for the year, you may be able to make something out of the fact that June is National Recreation Month. For more information, write to David Dubois, Public Information Director, National Recreation Association, 8 West 8th Street, New York 11, N. Y.

## **Make it a big package**

If your Spring sales start with a bang and keep right on rolling, congratulations, and we envy you. If things are slow, here are a couple of ideas that may help you stay in the black.

While tight money has practically killed the VA insured mortgage business, all the statistics last year showed that medium and higher-priced houses actually improved their sales records. In their wanderings around the country, AB's editors found that built-in appliances had tremendous sales appeal. Put these facts together, and you may help yourself.

Why not take one of your models and really give it the works? Add every deluxe appliance and gadget that you think might interest buyers. This will make a costlier package, but by skillful merchandising you can make it such an attractive package it will sell anyway.

Why are the next few weeks the best time to try this? Two reasons. First, if the idea doesn't click, you've still got all season to get rid of the dressed-up model. And second, if it does work, you want to reap the benefits all season, not just the last few weeks.

## **Or, make it a low-cost package**

The other idea is to go in exactly the opposite direction and strip your model down to the absolute minimum. This will lower your appraisal value, and it might get your down payment low enough to let in some of the marginal buyers who were squeezed out by the lack of VA loans.

If this idea sounds good, American Builder's June issue will look good. We're going to cover low-cost houses, and we do mean low. Don't miss it.

## **A new contest by NAHB**

This one could win you a plaque and your wife a new hat. It's a six-part contest. The first requires your cost-saving trade secrets in drawings, sketches, photos, or descriptions, and it's deadlined July 1. Entries should go to Construction Dept., NAHB, 1625 L Street NW, Washington, D. C.

Later on there'll be prizes for merchandising, materials handling, community relations, cost estimating, and model houses. We'll keep you informed.



Blue waters, sunny shores, tropic nights and waving palms of the Caribbean vacation land inspired this New Formica® Nassau pattern.

Six beautiful Formica Nassau colors are calculated to put home prospects in a buying mood when you blend them in kitchen, bath and on feature walls the house over.

Also just being introduced are Formica Colorgrains (color tinted wood grains) and new Picwoods including Cherry and Teak.

**LIFE-LONG  
HOLIDAY COLORS FOR  
YOUR HOME BUYERS**

All of these new Formica colors and woodgrains are now available from your Formica fabricator. Send today for free color swatches.

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Customers buy Formica because it is a brand name they know and trust.

**DEMAND THIS CERTIFICATION**

We protect this faith in our product by certifying every sheet with a wash-off Formica marking. It is for your protection and guarantee that you are getting genuine Beauty Bonded Formica.

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RUB OFF WITH LOTS OF BAR SOAP ON A DAMP CLOTH

Subsidiary of **CYANAMID**

GUARANTEED BY ACTION OF SOAP  
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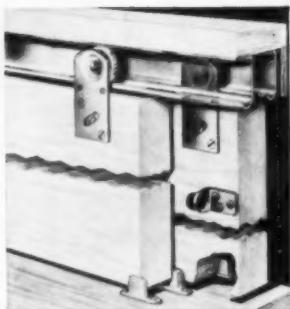
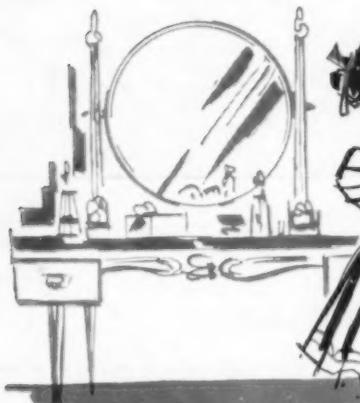
Seeing is believing. If this wash-off identification is not on the surface, it's not FORMICA.

# National

## SLIDING DOOR HARDWARE *Designed for smart interiors*

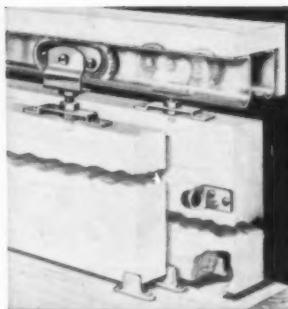
The modern space saving innovation for bypassing doors, or doors that slide into their own recessed pockets.

- ▼ Hangers have large  $1\frac{3}{8}$  inch diameter wheels of Nylon—never need lubrication.
- ▼ Hangers are made in two styles. Single wheel and a two wheel design with distinctive adjustment features.
- ▼ A specially designed rail made in 44, 56, 60, 68, and 92 inch lengths, provides a rigid track for the smooth gliding hanger wheels.
- ▼ Both hangers and rail serve every thickness of door. Special floor guides, bumpers and pulls are available to coordinate the friction-free operating efficiency of this hardware.



### No. 182 Single Wheel Hanger

This is the non-adjustable type except for the slotted mounting screw which allows for simple adjustment. Same large  $1\frac{3}{8}$ " diameter Nylon wheel rolls freely on a solid axle, as the No. 185 style.



### No. 185 Two Wheel Hanger

Large  $1\frac{3}{8}$ " diameter Nylon wheels with solid rivet and weight of doors equally distributed over the whole axle—wheels require no lubrication and resist wear. These large-size wheels account for smooth gliding action.

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