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# American Builder

★ A SIMMONS BOARDMAN TIME-SAVER PUBLICATION

APRIL • TWO DOLLARS

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# 1959 Buyers Guide

WHAT TO USE HOW TO USE IT WHO MAKES IT

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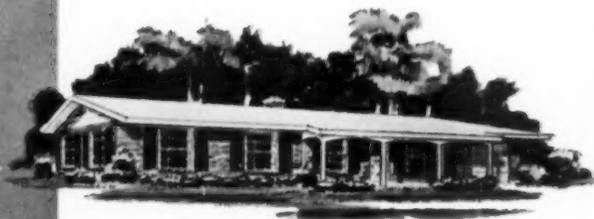
*FLORIDA*—PLANT: ST. PETERSBURG, FLA.



*CENTRAL*—PLANTS: TOLEDO, OHIO • KANSAS CITY, KAN.



*SOUTHEAST*—PLANT: DURHAM, N.C.



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*A Step Saver for Busy Homemakers..*



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*See  
Next  
Page*

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Write NuTone, Inc., Dept. AB-4, Cincinnati 27, Ohio

### *8 Reasons Why NuTone Intercom & Radio is Your Best Buy..*

- |  |   |  |   |
|--|---|--|---|
| <p>1<br/><b>FULL TIME INTERCOM</b><br/>Radio or Recorded Music never kills Intercom reception.</p>             | <p>2<br/><b>CHOICE OF AM and FM</b><br/>For static-free reception Deluxe Systems have FM and AM Radio</p> | <p>3<br/><b>VARIABLE ROTARY CONTROLS</b><br/>Gives infinite volume settings instead of only 2 or 3 levels.</p> | <p>4<br/><b>\$500,000.00 GUARANTEE BOND</b><br/>NuTone backs its Intercom-Radio with this unusual factory policy.</p> |
| <p>5<br/><b>SIMPLE SETTING AT MASTER</b><br/>No back and forth walking to distant rooms to adjust speakers</p> | <p>6<br/><b>AUTOMATIC ACOUSTIC LEVEL</b><br/>Intercom always heard above Radio or Recorded Music</p>      | <p>7<br/><b>NINE PRIMARY STATIONS</b><br/>If more stations are desired speaker circuits can be doubled.</p>    | <p>8<br/><b>FINEST INTERCOM FIDELITY</b><br/>Voices easy to recognize without distortion. No annoying hum.</p>        |

**"New homes aren't  
really up-to-date  
without concealed  
telephone wiring"**

**—SAYS BURTON W. DUENKE,  
CUSTOM BUILDER OF ST. LOUIS, MISSOURI**

"Nowadays," says Mr. Duenke, "it's *ideas* that sell homes. The modern house-hunter is looking for more than a roof over his head and X number of bedrooms and closets. He wants smart, functional design —and proof that the house is planned to meet his future needs. Concealed telephone wiring is the kind of idea he likes."

The Burton W. Duenke Building Company has completed over 1000 homes since 1947. Its current project is Harwood Hills, a gracious community of homes in the \$26,000 to \$40,000 price range, located in suburban St. Louis, to the west. Every one of these modern dwellings features *six* or *seven* concealed telephone outlets.

"We don't look on concealed telephone wiring as a luxury item," says Mr. Duenke. "It's a necessity in doing a workmanlike job of building today's home. It provides for the homeowner's future telephone needs, and keeps his home more attractive. What's more, it's a kind of sales feature that costs us very little to offer."



*Your local Telephone Business Office will gladly help you with telephone planning for your homes. For details on home telephone installations, see Sweet's Light Construction File, 8i/Be. For commercial installations, Sweet's Architectural File, 32a/Be.*

**BELL TELEPHONE SYSTEM**



*One of Mr. Duenke's modern Harwood Hills homes in suburban St. Louis.*



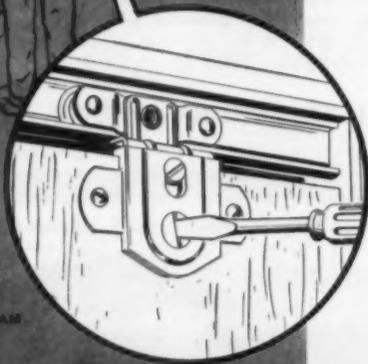


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**THE MICRO-CAM ADJUSTMENT** is in plain view and easily accessible, not located up between tracks where it cannot be reached.

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RICHMOND, ILLINOIS

See our catalog in Sweets Architectural & Light Construction files

# The Opportunity Page

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

## Your year-long opportunity

This month you're looking at an old familiar friend who's had a complete face lifting. We've changed everything from the title on the cover (*April Directory to 1959 Buyers Guide*) to the fact-filled pages inside. And to really finish up the modernization job, we've punched a hole through the whole thing. Now this handy reference book can hang near your desk all year.

Among the additions aimed at helping you during 1959-60: a new alphabetical Directory of Manufacturers, complete with full names and addresses; 65 brand-new what-how technical pages. And there's lots more—new and old—that can't be told in this space. We suggest pages 7, 8, and 9 for a complete guide to the best April issue you've seen yet. Hope you agree with us.

## Spell out those products

Speaking—as we are this month—about manufacturers and what they make, we think it's a good time to call your attention to Brand Names Week, April 12-19. Brand-name promotion can be one of your best merchandising aids. Calling attention to the brand products in your houses will show your buyers that you "care enough to use the very best." And don't forget, builders are now eligible to enter the "Brand Names Retailer-of-the-Year" competition. For details on this contest and information on how to obtain point-of-display material, contact Brand Names Foundation, Inc., 437 Fifth Ave., New York 16, N.Y.

## Habits of home buyers

The importance of brand-name products was pointed out in a recent nation-wide model-home survey. While a whopping 71 per cent of the respondents regarded kitchen-appliance brand as important, an even higher importance was attached to brands of plumbing fixtures and heating equipment. In addition, from 37 to 46 per cent of the consumers said that brand names of insulation, flooring, and structural materials were also vital to them in evaluating homes they would

consider buying or having built for themselves.

The ad agency which made the survey also claims that price is not as important to prospective buyers as style, layout, size, and location. If you'd like to see a comprehensive report on habits of home-buying families, write the Consumer Research Dept., Batten, Barton, Durstine & Osborne, Inc., 383 Madison Ave., New York 17, N.Y.

## Promoting and selling homes

To promote and sell more homes, you've got to keep ahead of your competition. One of the best plans we've heard in a long time was outlined by Louisville builder George Martin (Bollinger-Martin) at the NAHB convention. "One single feature builders don't exploit is the press conference," he said. "You should plan a conference when you start a development. Outline your plans for several years to stimulate interest. Invite the mayor and other local officials to a kickoff luncheon, and make it handy for them to attend.

"To add impact, send telegrams the morning of the event. Have a press kit handy. But don't include all material in this kit. Send it out at intervals and keep up a continual flow. Several days before the opening of your model homes, have a special press preview. This gives the press an opportunity to get the story ready before opening day."

## Tell 'em what you've got

Chances are you're already deep into your Spring building plans. You've probably spent a lot of time deciding on what models to put up, how many, the price range, etc. But have you planned your sales campaign as well? Don't forget, the best house won't sell if no one knows about it. Here are some tips to help you attract the maximum number of prospects.

It generally pays to run several medium-size ads rather than one enormous ad. Week-end radio is a good way to reach prospects when they're driving around—perhaps on their way to a competitor's house. You might use TV for a "teaser" on-the-spot tour of your home before it opens.

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Today's Home is edited solely for the purpose of guiding prospective home owners in all phases of home construction, new concepts in home building, planning, etc. If you would like to see a copy of the magazine, drop us a line: Fawcett Publications 67 West 44th Street, New York 36, New York



## Reader's Guide

April 1959

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## How to Get the Most Out of This Issue

**1.** Run a piece of cord through the hole at the upper left corner. Then hang this Issue beside your desk where it will be a handy reference book for the whole year.

**2.** Cut out the tabs on page 20. Paste the left half of each tab on the first page of the section it matches. This will make reference-thumbing faster.

**3.** Use the alphabetical Directory of Manufacturers as your key Directory. Every firm in this Issue is listed with name and address.

**4.** Get your money's worth of information on a subject by looking it up in the Directories and the Technical Data Sections. Subject Index above will help you do this.

**5.** Take advantage of the reply card on page 20. There are 494 catalogs, plus literature from Home Manufacturers, listed on it. They're yours, free, for the asking.

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A SIMMONS-BOARDMAN TIME-SAVER PUBLICATION

**SOLD**

— almost on sight—  
the house that's

# Cooled in Summer... Warmed in Winter

by an ARKLA-SERVEL SUN VALLEY\*

All Year® Gas Air-Conditioner!



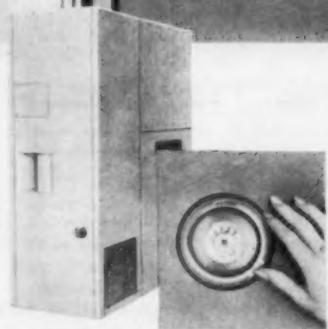
### Advantages for the Buyer:

Today's home buyers appreciate—and demand—year 'round comfort indoors. Show them the advantages of an Arkla-Servel Gas Air-Conditioner: summer and winter, one trouble-free unit, one easy-to-set thermostat provides just the right temperaturè. Fuel and maintenance bills are lower with Gas. *Never* any worry over deliveries. *And* Gas is cleanest.

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Address \_\_\_\_\_

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



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...the family **idea** magazine

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# Pulse of Building



## Interpretations: 1

**1 RISING ABOUT SEASONALLY** over January, February starts were at 89,000, giving a seasonally adjusted annual rate of 1,370,000. Total private starts for Jan.-Feb. were 171,200—38% above 1958's figure.

February's increase in private starts over January was mainly in conventionally financed units. But, in the gain over last year, there were big increases in both FHA- and VA-backed units as well. Total for the two months was the highest for any similar period except 1955. Since applications for FHA and requests for VA financing rose in February, it is expected that starts in these two categories will increase in the next few months. This, of course, depends on the housing bill, awaiting Congressional action.

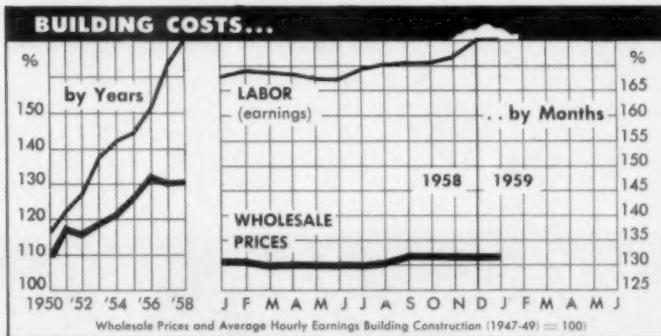
## 15 LEADING HOME BUILDING AREAS

Dwelling units built in Metropolitan areas during the first 11 months of 1958. (BLS)\*

	Units	% Change Jan.-Nov. 1957-'58
New York	77,996	+25
Los Angeles	74,100	-2
Chicago	40,657	+4
San Francisco	23,225	+32
Detroit	22,542	-3
Washington	21,218	+57
San Diego	20,611	+38
Philadelphia	19,365	**
Miami	17,646	+5
Phoenix	14,723	+34
Baltimore	10,374	-10
Denver	10,270	+34
Cleveland	9,758	-12
Atlanta	9,621	+34
Seattle	9,402	+25

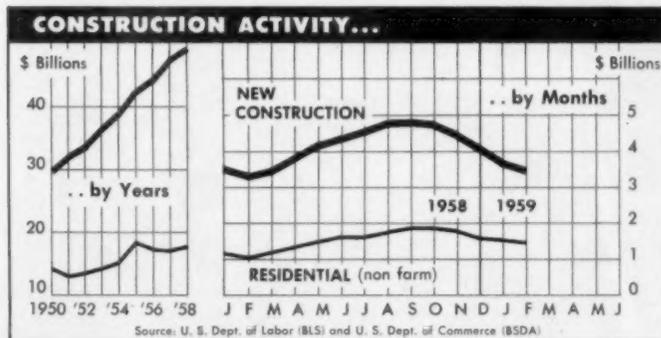
\* Based on building permit reports and estimates for non-permit issuing parts of these areas.

\*\* Change of less than 1/2 of 1%.



## 2

**2 A NEW HIGH** was set as wholesale prices rose to 133.1, reflecting a 3% increase in Douglas Fir and a 2.6% increase in softwood plywood. (This data was not available in time to enter it on graph.)



## 3

**3 RISING 12%** above the 1958 figure, new construction in February totaled about \$3.5 billion. Combined Jan.-Feb. private spending was a record \$5.1 billion mainly due to a 30% rise for new dwelling units.

# "I've been buying American Welded Wire Fabric for 24 years,"

says Mr. Marty Sinnema, Cleveland, Ohio, cement contractor

"I have been in the cement contracting business for over 36 years. Since 1934, when I started my own business, I have always bought American Welded Wire Fabric. With American Welded Wire Fabric, I am sure of the results on every job because I know it's the most reliable concrete reinforcement on the market.

"Many of my original jobs are still as smooth and crack-free as the day I put them in. I have found that installing *quality* reinforced concrete is the secret of keeping these jobs looking like new for so many years. As a result, not only have my customers been well satisfied, but they have recommended my work to their friends and business associates.

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Take a tip from Marty Sinnema and insist on American Welded Wire Fabric when you need concrete reinforcement. It costs less to build a concrete slab with American Welded Wire Fabric, for it adds 30% to the strength of slab concrete. All concrete installations need the added strength and crack-resistance formed by the quality reinforcement of American Welded Wire Fabric. And remember, reinforcement cannot be added later. For more details, call our nearest office, or write to American Steel & Wire, 614 Superior Ave., N.W., Cleveland 13, Ohio.

Buyers will ask, *"is it Reinforced?"*

**American Steel & Wire  
Division of**



**United States Steel**

Columbia-Geneva Steel Division, San Francisco, Pacific Coast Distributors • Tennessee Coal & Iron Division, Fairfield, Ala., Southern Distributors  
United States Steel Export Company, Distributors Abroad

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# ADHESIVES AND SEALERS FOR EVERY BUILDING NEED!



**EXCEPTIONALLY WATER-RESISTANT** ceramic tile adhesives provide fast bond-strength build-up, yet offer ample open time for work at normal pace. 3M tile adhesives trowel like butter, permit grouting on the same day. Test CTA 11 and 12 yourself!



**COST-SAVING COVERAGE** is easily and quickly achieved with 3M Vinyl and Rubber Tile Adhesive—up to 225 square feet per gallon. Wood block flooring adhesive EC-194 covers about 40 square feet per gallon. They're ideal for above-grade wood, concrete or radiant-heated floors.



**QUICK-GRIP** Roltite® brand contact cement keeps laminated plastic counter tops from warping or peeling! Highly water resistant; provides exceptional coverage; eliminates need for clamps, presses or other heavy equipment. Available either as solvent or water-based compound.



**FLEXIBLE** Sealer EC-800 for heating and air conditioning ducts can be stretched twice its length before breaking when dry. Sets up firmly at duct joints; won't flow out under pressure. EC-800 can be applied with either brush, flow gun or putty knife.

Look to 3M as your single source for a wide range of adhesives and sealers for a variety of building applications. Call your 3M Field Engineer, or for free literature, write on your company letterhead to A.C.&S. Division, 3M, Dept. YE-49, St. Paul 6, Minnesota.



ADHESIVES, COATINGS AND SEALERS DIVISION

**MINNESOTA MINING AND MANUFACTURING COMPANY**

. . . WHERE RESEARCH IS THE KEY TO TOMORROW



# Western Views

By **BILL RODD**

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8522 Lorain Rd., San Gabriel, Cal.

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50-YEAR, LOW-INTEREST LOANS FOR OLDSTERS are proposed by State Sen. Hugh Burns of California, who would have the state issue bonds to get the money. A similar program for veterans has operated for decades without a penny of loss to the state. Burns and his five-man committee believe it will work for aged people too. Homes would be built by private enterprise; monthly payments would run about \$36.50. When the original borrower died, the homes would be sold and the mortgage assumed by another elderly person of limited means.

AIR CONDITIONING DOES IT. At a recent forum conducted on the West coast by Lennox Industries, Inc.—attended by 25 women who had lived in air-conditioned homes for a year or more—some new facts and fresh sales arguments came to light. "My skin stays fresher"; "The children take longer naps"; "We don't have to live on cold cuts during hot spells"; "No more heat rashes."

PACIFIC NORTHWEST MOVES ahead according to Equitable S&L Ass'n., which reports that 1958 dwelling-unit permits surpassed 1957's by more than

20 per cent. Average cost for single-family dwelling unit in 1958 was \$14,-131.

OUTDOOR GAS LIGHTS have skyrocketed in use in southern California. Made in a variety of distinctive styles, they add charm to driveways, patios, pool areas. Builders consider them a decided sales help. The Southern California and Southern Counties Gas Companies are temporarily making a \$30 allowance per light to builders. This defrays most of the installation cost.

ASSOCIATION FIGHTS SEWER ORDINANCE FEE. Builders in Livermore, California, have been paying \$150 for each dwelling connected to the city sewer system. The money is to be used to finance expansion of the system for the benefit of the city at large. AHB of Greater Eastbay is bringing a friendly suit—at the invitation of the city—so that the matter can be adjudicated. The association contends that the ordinance creates an unfair burden on subdividers and builders by assessing them for funds to be used to benefit persons and property other than that for which the payments are made.

TWO HOUSES FOR EVERY FAMILY is predicted by Dr. Clark Kerr, University of California's new president. He thinks that within 25 years the average wage earner will have an apartment in the city and a cabin in the country. He believes the suburbs of today will or may become the slums of the future because workers will not want to commute. He also sees a four-day work week and fast highways leading from city apartments to remoter country places, says planners and builders must plan ahead for this.

BETTER HOMES AND GARDENS Magazine will publish a Western edition effective with its May issue. The edition will cover 11 Pacific and Mountain states, Alaska and Hawaii, according to an announcement by Karyl Van, vice-president and director of advertising.

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US Steel Corp., Columbia	
Geneva Div. ....	18L, 18M



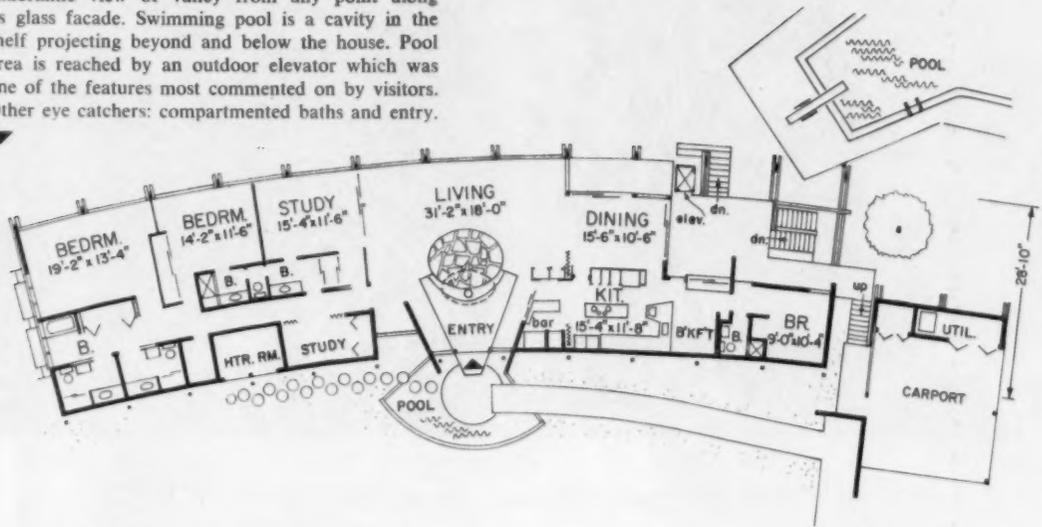
Pictorial Living photo; Los Angeles Examiner

## No lot will be too steep for

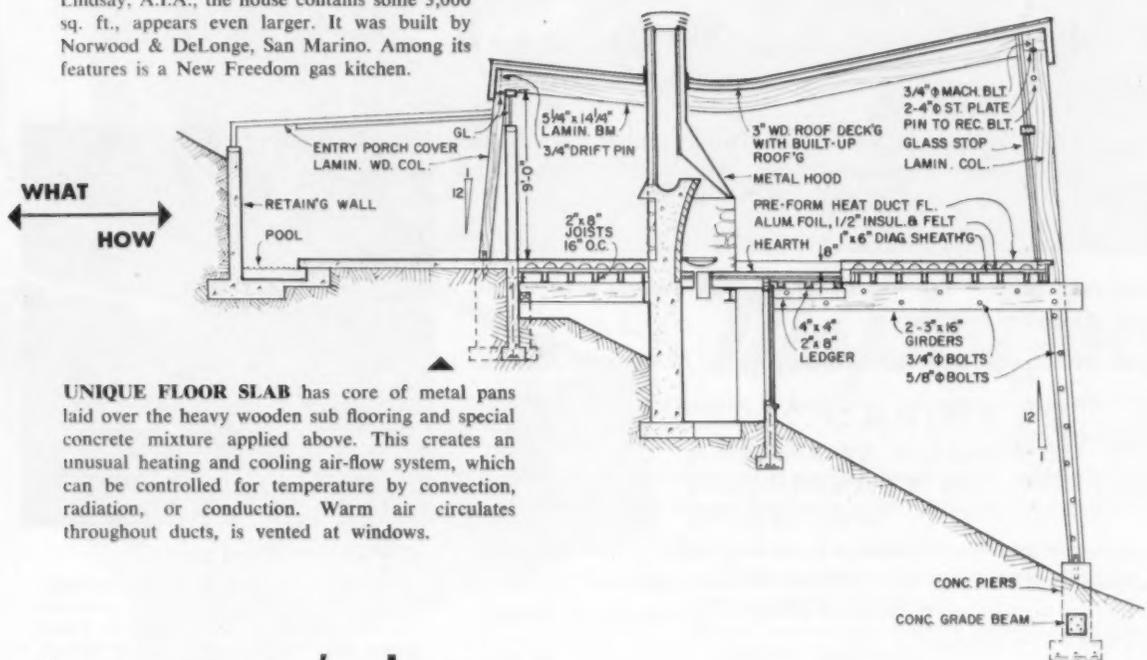
**I**t's not likely that you'll ever have to build on a site as difficult as this one. But the method used to "hang" this attractive house on a steep slope can easily be used with smaller buildings and to overcome less extreme situations.

Note how the front of the structure is supported by posts, rather than a conventional foundation. The floor beams and roof beams are directly supported by these posts, which are set in concrete piers. This method eliminates the need to excavate

**CURVE OF PLAN** follows hillside contour, gives panoramic view of valley from any point along its glass facade. Swimming pool is a cavity in the shelf projecting beyond and below the house. Pool area is reached by an outdoor elevator which was one of the features most commented on by visitors. Other eye catchers: compartmented baths and entry.



◀ **LAMINATED WOOD PILLARS** sunk in concrete piers show up clearly in this photo taken from "ground" level. Designed by John C. Lindsay, A.I.A., the house contains some 3,000 sq. ft., appears even larger. It was built by Norwood & DeLonge, San Marino. Among its features is a New Freedom gas kitchen.



**UNIQUE FLOOR SLAB** has core of metal pans laid over the heavy wooden sub flooring and special concrete mixture applied above. This creates an unusual heating and cooling air-flow system, which can be controlled for temperature by convection, radiation, or conduction. Warm air circulates throughout ducts, is vented at windows.

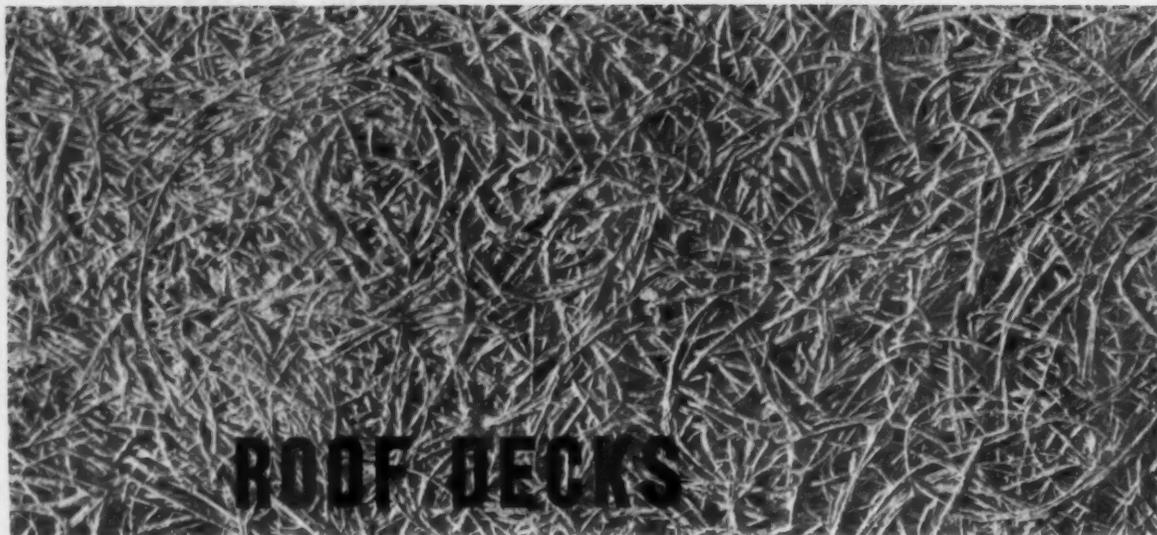
## tomorrow's house

back into the hillside, as is normal in such locations. Thus, it can be used on rocky sites, where digging would be too difficult.

When today's suburbs have spread too far from the city, such techniques will be vital to the small

builder. They will enable him to use a lot of nearby land that is now considered "impossible."

This house, located in Flintridge, California, was sponsored by Cron Publications as one of that company's research models.



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*Pluses like insulation, high acoustical qualities, decor,  
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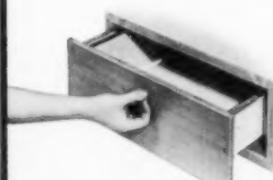
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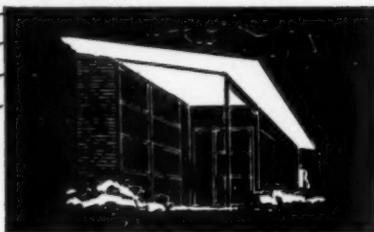
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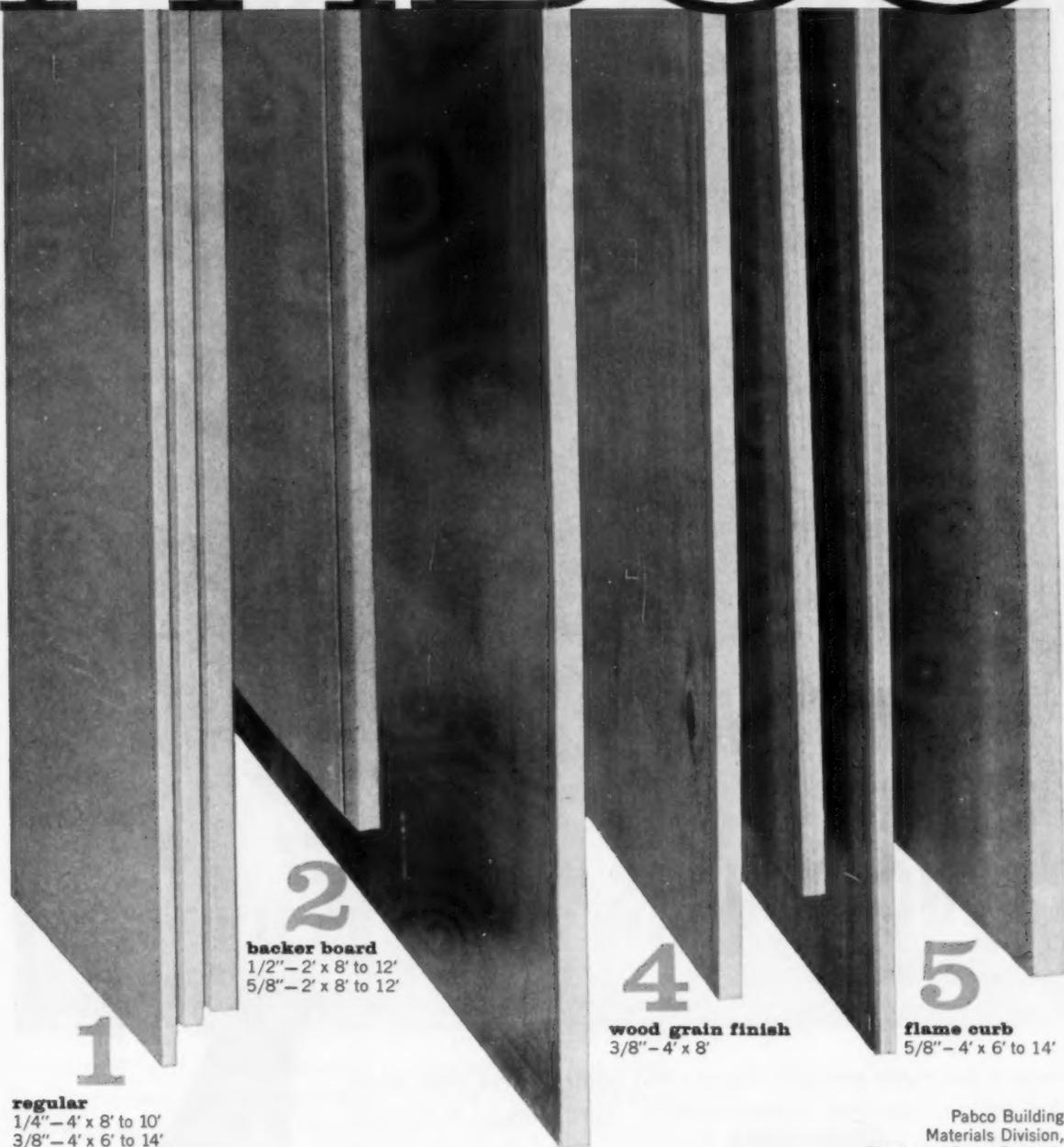
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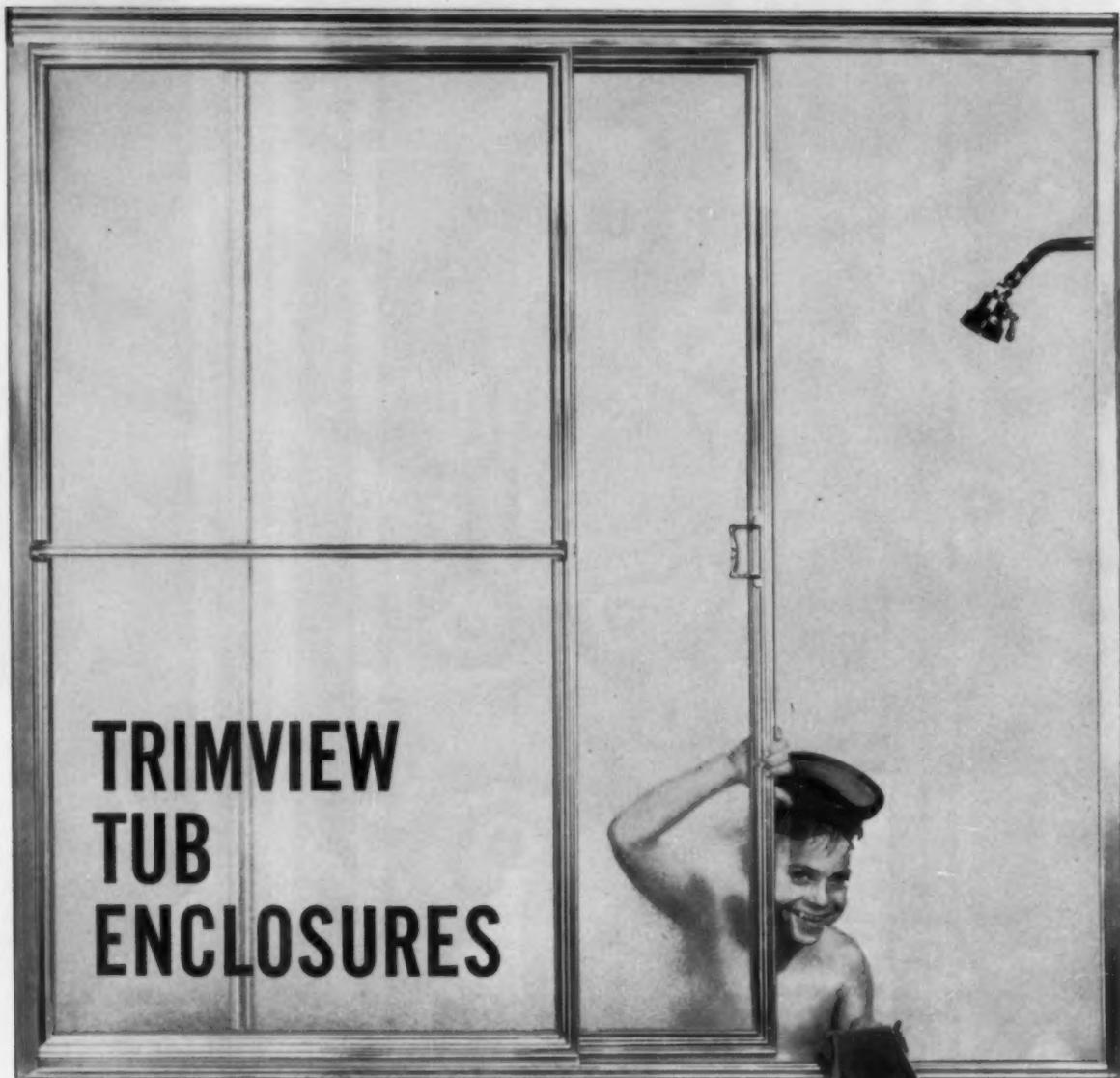
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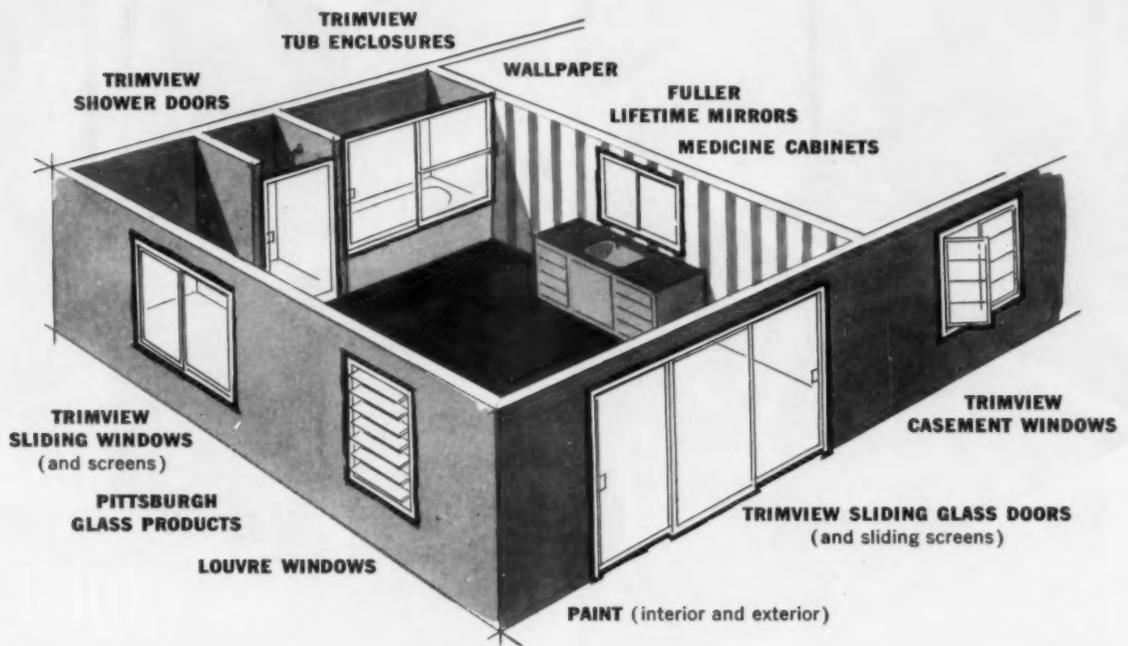
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WHITLAND LOCKE PHOTO

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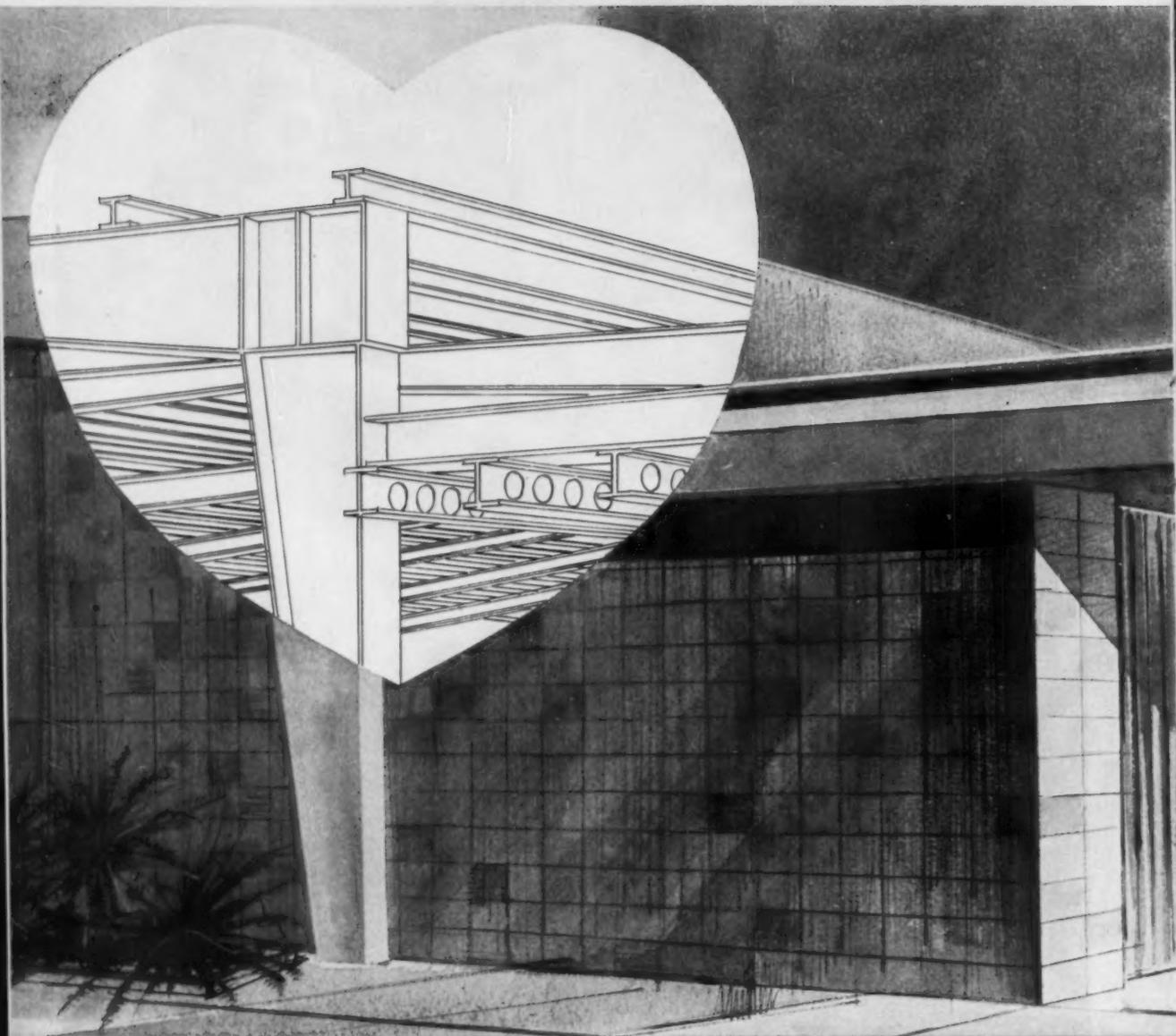
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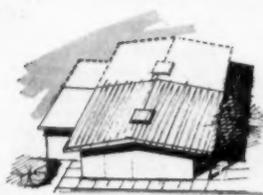


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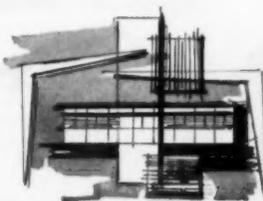
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**Tractor Power** and how to increase it in an eight-page catalog. Increased by new self-propelled compressor which allows ready drilling, spraying and other uses at job. Tractor is equipped with 42 hp. engine.—LeRoi Div., Westinghouse Air Brake Co.

● Circle No. A1 on reply card, p. 20

**Five Models** in 4-wheel and 2-wheel drive are available in the TractoLoader line of tractors. In a colorful 17-page catalog . . . specifications, details, capacity and data on how to operate.—Tractomotive Corp.

● Circle No. A2 on reply card, p. 20

**All-Purpose Tractors** "tool up" for a wide variety of jobs, meet equipment needs with easy-to-fit-on attachments. This 16-page catalog explains types.—The Oliver Corp.

● Circle No. A3 on reply card, p. 20

**Multi-Purpose Tractors** shown in new 28-page brochure, illustrating their many attachments. Shown are scrapers, post-hole diggers, side-mounted mowers, multi-purpose blades, soil scoops.—Massey-Ferguson Industrial Div.

● Circle No. A4 on reply card, p. 20

**Blade Control** during grading operations explained. Background information on Caterpillar Diesel engines included in this pair of brochures.—Caterpillar Tractor Co.

● Circle No. A5 on reply card, p. 20

**Trucks and parts**

**Light and Medium-Duty** four-wheel drive trucks are new in styling, power and comfort. Colorful catalog offers complete descriptions of special features, illustrations of various models.—International Harvester Co.

● Circle No. A6 on reply card, p. 20

**Truck Bodies**, especially designed to handle lumber and other bulky materials, are illustrated in a series of data sheets. Included are dimensions for a complete line of half-cab trucks—DeKalb Commercial Body Corp.

● Circle No. A7 on reply card, p. 20

**Service Bodies** for trucks help take your shop with you. Service Master is available in 4 sizes, from ½ to 1½ ton chassis. Shown in six-page folder.—McCabe-Powers Auto Body Co.

● Circle No. A8 on reply card, p. 20

**Earth-moving equipment**

**Earth-Moving** equipment, from backhoes to snow loaders, shown in sharp color photos in this new brochure. Each picture accompanied with data on unit's make, function, plus specifications.—Henry Manufacturing Co.

● Circle No. A9 on reply card, p. 20

**Power Cranes** and excavators can be drafted for many on-site jobs to speed up work. Bantam crane-shovel described completely in 36-page catalog. Tells performance and uses.—Schield Bantam Co.

● Circle No. A10 on reply card, p. 20

**Earth-Moving Tools** . . . a line that includes a backhoe with reach of 20 feet, digging depth of nearly 15 feet. Special loaders are among others shown in illustrated four-page folder.—Shawnee Manufacturing Co., Inc.

● Circle No. A11 on reply card, p. 20

**Ditch Witch Trenchers** described in a four-page pamphlet. Includes pictures, complete descriptions of models and attachments, operational data and specifications.—Charles Machine Works, Inc.

● Circle No. A12 on reply card, p. 20

**Earth-Moving Equipment** is described in series of four-page brochures. Include description of loaders, soil working tools, backhoes, excavators. Fully illustrated.—Sherman Products, Inc.

● Circle No. A13 on reply card, p. 20

**Small Trench Digger**, called the Trench-Devil, is described in Arps catalog. The unit digs 2¾" wide and up to 20" deep. It's one-man operated.—Arps Corporation.

● Circle No. A14 on reply card, p. 20

**Augur-Type Hole Diggers** for posts, utility poles, and nursery digging. All offered in this firm's literature. Units attach to tractors, jeeps, or trucks.—Roper Manufacturing Co.

● Circle No. A15 on reply card, p. 20

**Front-End Loader** is pictured in sections as a complete piece of equipment and in action in Case's latest brochure. Also available are folders on heavy

duty loaders, dozers, and fork-lift trucks.—J. I. Case Co.

● Circle No. A16 on reply card, p. 20

**Hydraulic Excavators**, five of them of varying capacities, described in a brochure. These Hopto Units can be mounted on light tractors or on other equipment.—Badger Div., Warner & Swasey Co.

● Circle No. A17 on reply card, p. 20

**Power Rollers** are described in this data sheet. Gives specifications and other information on light-weight site equipment.—General Engines Co., Inc.

● Circle No. A18 on reply card, p. 20

**Industrial Equipment catalog for 1959** includes new backhoes, front-end loaders and fork lifts. Also shown: standard line of earth-moving and materials-handling units, complete line of attachments.—Henry Manufacturing Co., Inc.

● Circle No. A19 on reply card, p. 20

#### Transits, levels

**Split-Image Transit** is illustrated in leaflet describing how one man can do a leveling job. Low-cost instrument can be used for many construction jobs.—Hopkins Manufacturing Co.

● Circle No. A20 on reply card, p. 20

**Leveling Instruments** are described in leaflet containing order numbers for replacement parts. Leveling rods and

other such special equipment are also shown.—Bostrom-Brady Mfg. Co.

● Circle No. A21 on reply card, p. 20

**Many uses** are given for this Hydro-level. Operated by one man, there are no figures to read in leveling work. Literature contains "how-to" information.—Hydrolevel.

● Circle No. A22 on reply card, p. 20

**Instruments for Builders**, contractors and engineers are detailed in a 16-page brochure. Includes transits, levels, tripods, leveling rods and compasses.—C. L. Berger & Sons, Inc.

● Circle No. A23 on reply card, p. 20

**Transits, Levels**, field and drafting room equipment. All illustrated in a series of booklets. Featured is Tele-Plumb unit which makes it possible to set up over a point without using a plumb bob.—Warren-Knight Co.

● Circle No. A24 on reply card, p. 20

#### Plans, office systems

**Home Plan Books** for builders and owners contain over 1,000 house plans, cover every style. Complete working drawings with specifications available for each house. Information about them from—L. F. Garlinghouse Co.

● Circle No. A25 on reply card, p. 20

**Calculators and Typewriters** are the subject of a set of illustrated brochures. Describes and illustrates the latest de-

signs of these office machines.—Remington Rand Div., Sperry Rand Inc.

● Circle No. A26 on reply card, p. 20

**Building Labor calculator and training course** described in two pamphlets. Calculator is a book of tables and may be ordered independently of training course.—Tamblyn System.

● Circle No. A27 on reply card, p. 20

**Ready-cut Homes** with all lumber, millwork, hardware, etc. provided. Booklet shows models available. Builder must provide only slab and plastering, in addition to nailing pre-cut lumber together.—Aladdin Co.

● Circle No. A28 on reply card, p. 20

**Business Life Insurance** is discussed in a 28-page booklet, complete with illustrations. Discusses how to protect the partnership, the closed corporation and the sole proprietorship.—Aetna Life Insurance Co.

● Circle No. A29 on reply card, p. 20

**Scale Models** of houses that are designed to help builders in planning as well as in sales and merchandising are described in 16-page pamphlet. Both interior and exterior visibility is provided by models.—Bowman Studios.

● Circle No. A30 on reply card, p. 20

**Tax and Interest Calculators** are shown in this pamphlet. These direct reading, slide rule-type devices are intended to simplify bookkeeping problems.—Paul S. Morton Engineering Service.

● Circle No. A31 on reply card, p. 20

## CONCRETE, MASONRY, TILE AND BRICK

### Concrete and concrete masonry

**Calcium Chloride**, its effect on cement concrete, is the subject of a 40-page catalog. Contains tables, graphs and charts dealing with setting time, curing, wear and strength.—Solvay Process Div., Allied Chemical Corp.

● Circle No. A32 on reply card, p. 20

**Concrete Control**, with Pozzolite, increases workability, adds strength, reduces permeability and shrinkage and increases bond with steel. This 16-page catalog tells why.—The Master Builders Co.

● Circle No. A33 on reply card, p. 20

**Insulating Concrete** data is offered builders in a specially bound catalog. Values for various mixes using vermiculite concrete are provided in a series of easy-to-read charts.—Zonolite Co.

● Circle No. A34 on reply card, p. 20

**Portland Cement**, its characteristics and uses, outlined in catalog insert

folders. Also included are proportions and mixing instructions. This, and other cement information, from—Medusa Portland Cement Co.

● Circle No. A35 on reply card, p. 20

### Brick, stone, tile masonry

**Structural Clay tiles and brick** provide attractive inside and outside wall finishes. A wide variety of colors and sizes depicted in a 24-page catalog. Includes specifications. Natco Corp.

● Circle No. A36 on reply card, p. 20

**Random Bond** system of bricklaying is discussed and explained. Also included: a catalog of units, colors and specifications of masonry products.—Whitacre-Greer Fireproofing Co., Inc.

● Circle No. A37 on reply card, p. 20

**Extra Hard Stone, Tennquartz**, can be used for both interior and exterior construction. Rich buff, tan, pink and purple tints. Four-page catalog.—Tennessee Stone Co., Inc.

● Circle No. A38 on reply card, p. 20

### Reinforcing steel

**"Is It Reinforced"** . . . four-page catalog on reinforcing concrete. Packed with technical facts on welded wire fabric, its uses and results. Product details and action photos.—American Steel and Wire Div., U. S. Steel.

● Circle No. A39 on reply card, p. 20

**Reinforcing Steel** . . . plans and specifications on reinforced concrete. A folder developed in collaboration with NAHB. For builders, contractors.—Wire Reinforcement Institute.

● Circle No. A40 on reply card, p. 20

### Clay flue lining

**Standard Recommendations** for safe chimney construction, complete with drawings and A.S.T.M. specifications, all in a six-page brochure. "I'll Take This One" is completely illustrated.—Clay Flue Lining Institute.

● Circle No. A41 on reply card, p. 20

## FRAMING

### Framing, structural lumber

**Pressure-treated Lumber** is detailed in a 16-page booklet. Applications of Wolmanized lumber in both light and heavy construction are shown.—Koppers Co., Inc.

● Circle No. A42 on reply card, p. 20

**101 Home Ideas** feature ten varieties of woods from Western Pine region. Shown in a four-color brochure, packed with "wood" ideas for every room.—Western Pine Assn.

● Circle No. A43 on reply card, p. 20

**Fir Plywood** construction guide provides basic data on types, grades, applications of fir plywood. Detail drawings of floor, single and double wall, and roof construction.—Douglas Fir Plywood Assn.

● Circle No. A44 on reply card, p. 20

**Douglas Fir grades and uses** outlined in a 44-page brochure. Comprehensive book covers grading and uses for dimension lumber.—West Coast Lumbermen's Assn.

● Circle No. A45 on reply card, p. 20

### Curtain walls

**Building Panels of Chem-O-Glas** polyester glass fiber are adaptable for all types of building. Full specifications and technical data for panels given in this catalog.—Chemold Co.

● Circle No. A46 on reply card, p. 20

**Information on Aluminum** curtain walls and windows. Catalog gives types and sizes, specifications, installation details. Photos show installations.—Arnold Altex Aluminum Co.

● Circle No. A47 on reply card, p. 20

**Sandwich Panel** construction, features easily erected, interlocking modular structural sandwiches. Building panels are described in this eight-page brochure. Modular units assure design freedom.—Panelfab Products, Inc.

● Circle No. A48 on reply card, p. 20

**Marble Wall Panels**, available to builders for the first time, are discussed in an eight-page pamphlet. Sandwich panels up to 20 sq. ft. surface area available. Exterior, marble; interior, asbestos cement board. Bonded to rigid insulating core.—Vermont Marble Co.

● Circle No. A49 on reply card, p. 20

### Structural steel

**A Complete Range** of structural steel building products has been catalogued by this corporation. Residential, commercial, and industrial products are listed separately.—Republic Steel Corp.

● Circle No. A50 on reply card, p. 20

**Commercial Steel Joists**, called T-Chord Longspan Joists, described in a new and colorful 32-page catalog. Product is used to support both roof and floor loads in clear spans up to 150 ft.—Haven-Busch Co.

● Circle No. A51 on reply card, p. 20

**Open Web** steel joists, prefabricated and ready for use, provide a freeway for pipes and conduits. Fully described with load and spacing tables in a 36-page catalog.—Steel Joist Institute.

● Circle No. A52 on reply card, p. 20

**Kant-Sag Joist Supports** and shelf and pole brackets are described in separate brochures. The joists require no sub-floor notching and no shimming between saddle and bottom of joist.—United Steel Products Co.

● Circle No. A53 on reply card, p. 20

### Trusses, connectors

**Steel Buildings** as complete functional units are described here. Colorful illustrations show practical applications of truss and panel parts.—Armedo Drainage & Metal Products, Inc.

● Circle No. A54 on reply card, p. 20

**Advantages of Truss** construction are described by H-Brace. Metal nail gussets for all types of trusses are

## ROOFING, SIDING, INSULATION, SHEATHING

### Roof structure

**Terne Roofing** and its applications in residential construction shown in this catalog. Standard specifications for various type roofs listed.—Follansbee Steel Corp.

● Circle No. A60 on reply card, p. 20

**Residential and Industrial** builders can use Ther-Mo Roof, a built-up roofing process. Conforms to the design of any roof structure. Specifications and a complete description are part of the brochure.—Ther-Mo Roof, Inc.

● Circle No. A61 on reply card, p. 20

**Roof Decking** of compressed wood fiber material is described and illustrated in this folder. Construction details as well as properties of the material are included.—Tectum Corp.

● Circle No. A62 on reply card, p. 20

**Steel Roof Deck** that's sound absorbing is described and illustrated in eight-page Milcor Acoustideck catalog. Tables show thermal insulation and noise-reducing properties.—Inland Steel Products Co.

● Circle No. A63 on reply card, p. 20

pictured and detailed in their brochure.—H-Brace Inc.

● Circle No. A55 on reply card, p. 20

**The Use of laminated-wood** members in school construction is shown in this catalog. Beams, purlins and decking all are included.—Rilco Laminated Products, Inc.

● Circle No. A56 on reply card, p. 20

**Timber Connectors** and framing anchors are included in a new catalog issued by the lumber industries' research organization. Easy-to-use catalog has individual looseleaf sheets for each product and its distributors.—Timber Engineering Co.

● Circle No. A57 on reply card, p. 20

### Metal lath

**A Complete Line** of metal laths and accessories is described in this attractive 14-page catalog. Information includes materials used, sizes and packaging data, architectural specifications.—Bostwick Steel Lath Co.

● Circle No. A58 on reply card, p. 20

**Galvanized Corner** lath has open mesh with multi-directional wires for better bond of plaster with gypsum lath. Specifications included on insert page.—Keystone Steel & Wire Co.

● Circle No. A59 on reply card, p. 20

### Shingles, shakes

**Red Cedar Shakes** bonded to insulation backerboard, come in units 46 $\frac{3}{4}$ " long for speedy installation. Shown, in a 20-page catalog, together with other natural and pre-stained types.—Shakertown Corp.

● Circle No. A64 on reply card, p. 20

**An Unusual Booklet** entitled the "Certi-Split Manual of Handsplit Shakes" has lots of good information. Covers the history of cedar shakes, and gives modern applications.—Red Cedar Shingle Bureau.

● Circle No. A65 on reply card, p. 20

**Roof Shingles**, of asphalt and asbestos cement, offer wide color selection. Have delicate or rugged textured surfaces. Shown in eight-page catalog, with Ruberoid wall siding.—The Ruberoid Co.

● Circle No. A66 on reply card, p. 20

**Asphalt Shingles** and asbestos-cement siding are featured, in full color, in eight-page booklet. Wide range of colors, textures and thicknesses shown.—Barrett Div., Allied Chemical Corp.

● Circle No. A67 on reply card, p. 20

**Color-Keyed combinations of asphalt shingles and exterior colors presented in this brochure. Three alternate color combinations given for each of 19 shingle colors.—Bird & Son, Inc.**

● Circle No. A68 on reply card, p. 20

**Data Sheets for red cedar shingles, shakes and coatings are full of useful information. Various application methods for shakes and shingles are illustrated.—Creo-Dipt Co., Inc.**

● Circle No. A69 on reply card, p. 20

**Asphalt-Shingle and roll roofing specifications are included in a comprehensive brochure. Data on asphalt resurfacers is given.—Lloyd A. Fry Roofing Co.**

● Circle No. A70 on reply card, p. 20

### Siding

**Southern Pine is the subject of an eight-page catalog. Specifies the correct application of various grades. Helpfully illustrated with diagram sections of wall paneling and siding, and methods for light frame construction.—Southern Pine Association.**

● Circle No. A71 on reply card, p. 20

**Grades of Redwood available, and the purposes for which they are used. All included in this lumber catalog. Types and sizes of stock siding are also listed.—The Pacific Lumber Co.**

● Circle No. A72 on reply card, p. 20

**Colorful Catalog points up the advantages of redwood siding. Homes from various parts of the country illustrate redwood's usefulness. Side-wall variations, painting and staining data also.—California Redwood Assn.**

● Circle No. A73 on reply card, p. 20

**Hardboard specifications and physical properties . . . described in a 12-page booklet. Included are application instructions and recommended uses.—Forest Fiber Products Co.**

● Circle No. A74 on reply card, p. 20

**Enameled Aluminum siding, "Koralum," has concave panels that are dent-resistant and weathertight. Features detailed in a four-page booklet.—Lyf-Alum, Inc.**

● Circle No. A75 on reply card, p. 20

**Panels and Siding of hardboard offer a hard, strong finish for interior and exterior walls. Easy to work, they can be formed into simple bends and curves. Sizes and applications in a 24-page catalog.—Masonite Corp.**

● Circle No. A76 on reply card, p. 20

**Aluminum Siding, in six different colors, shown in this booklet. Points out three-point interlocking joint for tight seal. Siding, named "Tripl-Tite," comes with insulated backer board.—National Metal Products Co.**

● Circle No. A77 on reply card, p. 20

### Sheathing

**Plywood for both decorative and structural purposes is described in this series of brochures and pamphlets. Manual describes product's qualities under various conditions, and suggests installation methods.—Harbor Plywood Corp.**

● Circle No. A78 on reply card, p. 20

**One Carpenter can sheathe 1,000 sq. ft. in six to eight hours with Bild-rite sheathing. "How-to," with photos, in this 32-page catalog. Insulite Div., Minnesota & Ontario Paper Co.**

● Circle No. A79 on reply card, p. 20

**Pressed Fibre Sheathing provides thermal insulation, is wind-resistant and asphalt-impregnated. Nu-Wood comes in 4' x 8', 4' x 9' sheets and 2' x 8' strips with shiplap and V-joints. Four-page folder with application data.—Wood Conversion Co.**

● Circle No. A80 on reply card, p. 20

### Insulation

**Structural Insulation for all sorts of roofing and siding applications. Detailed in a 16-page, illustrated brochure. Complete product descriptions, specifications, cutaway drawings.—The Celotex Corp.**

● Circle No. A81 on reply card, p. 20

**General Catalog, indicating a complete line of materials for industrial insulation, is offered. Includes information on insulating cements, flat materials, pipe coverings, coatings and adhesives.—The Eagle-Picher Co.**

● Circle No. A82 on reply card, p. 20

**Aluminum Foil Blanket comes with up to four reflective air surfaces in standard and heavy-duty types. Alfol insulation fits from 12" to 24" framing centers. Four-page booklet includes specifications and installation sections.—Reflectal Corp.**

● Circle No. A83 on reply card, p. 20

**Home Insulation of relective foil and glass fibers is described in brochure. Packaging data for three thicknesses of insulation given.—L-O-F Glass Fibers Co.**

● Circle No. A84 on reply card, p. 20

**Insulation Thermal value chart and product guide. Lets you select at a glance the insulation required to meet any one or more of 112 different U, C and R factors.—Infra Insulation Inc.**

● Circle No. A85 on reply card, p. 20

## DOORS, WINDOWS

### Flush doors

**Recommended Specifications, advantages and other important data is included in an interesting catalog on standard steel doors and frames. The doors and frames can be used for home, commercial and institutional use.—The Steel Door Institute.**

● Circle No. A94 on reply card, p. 20

### Vapor barriers

**Many uses of Ger-Pak virgin polyethylene film are illustrated in this brochure. Three types of film are said to offer permanent protection, lower installation cost.—Gering Products Inc.**

● Circle No. A86 on reply card, p. 20

**Polyethylene, its properties and uses, detailed in new four-page booklet. Product is waterproof, light in weight, easy to handle and tear-resistant.—Spencer Chemical Co.**

● Circle No. A87 on reply card, p. 20

**Moisture Problems in wooden structures . . . causes, effects and cure . . . the subject of new four-page booklet. Types of vapor barriers and suggested applications described and illustrated.—American Sinalkraft Corp.**

● Circle No. A88 on reply card, p. 20

**Moisture Control paper is double-saturated and laminated with high melt-point asphalt. Vapor-Champ can be used on concrete roof slabs, foundation walls, under-slabs or as a crawl space ground cover. In a four-page folder.—Ludlow Papers, Inc.**

● Circle No. A89 on reply card, p. 20

**Sealtight Products for use as vapor barriers are presented in this eight-page booklet. A separate folder gives details on their uses in construction.—W. R. Meadows, Inc.**

● Circle No. A90 on reply card, p. 20

### Flashing, caulking

**Rustproof, maintenance-free flashing is the subject of a four-page brochure. Describes how flashing may be used for corners, sills, side and end walls. Includes architectural specifications.—Reynolds Metals Co.**

● Circle No. A91 on reply card, p. 20

**Caulking Compounds in bulk, cartridge and tape form are among many glazing materials shown in new 20-page catalog. Putties, bowl-setting and rubber-base compounds described.—Dicks-Armstrong-Pontius, Inc.**

● Circle No. A92 on reply card, p. 20

### Gutters, downspouts

**Roofing and rain-carrying equipment are the chief aluminum products listed in this fact-packed catalog. Galvanized steel products are also detailed.—Quaker State Metals Co.**

● Circle No. A93 on reply card, p. 20

**Wood Paneling and hollow-core doors are described in a pair of brochures. Factory-finish panels and flush doors are shown in color.—General Plywood Corporation.**

● Circle No. A95 on reply card, p. 20

**Stainless Steel Combination storm**

and screen doors are described and illustrated in this leaflet. Regulation custom-built and French door types are shown.—Challenger Products, Inc.

● Circle No. A96 on reply card, p. 20

**Building Products** . . . steel doors, frames and closet-door units, hardware . . . described in a seven-page catalog. Sizes, specification data, line drawings and photographs.—Amweld Building Products Div.

● Circle No. A97 on reply card, p. 20

**Fully Assembled Door and frame units** which include hardware are described in this literature. Single- and double-hinged units, sliding units, and two- and four-door folding units are covered.—Ready Hung Door Corp.

● Circle No. A98 on reply card, p. 20

**Flush Doors**, both solid and hollow core, are illustrated in an informative booklet. Shows how folding doors can be used as wardrobe units or room dividers.—Curtis Companies Inc.

● Circle No. A99 on reply card, p. 20

**Flush Doors**, with solid or hollow cores, are described in new eight-page catalog. Plenty of specifications and construction diagrams are included.—The Mengel Company.

● Circle No. A100 on reply card, p. 20

**Metal Door units** for residential construction are well-detailed. Booklet provides complete installation data and specifications.—Fenestra, Inc.

● Circle No. A101 on reply card, p. 20

**Wood Products**, including doors and windows and their frames are illustrated, described, dimensioned and priced. In a good-sized bound loose-leaf catalog.—Woodco Corp.

● Circle No. A102 on reply card, p. 20

### Folding, sliding doors

**Folding Partitions** are discussed and illustrated in detail in this literature. Describes features, advantages and applications for homes or commercial use.—Bemis Brothers Bag Co.

● Circle No. A103 on reply card, p. 20

**Details and general information** on floor-to-ceiling Glide-All sliding doors and Lamidall tongue and groove random width planking. Provided in two four-page brochures. Details and specifications.—Woodall Industries, Inc.

● Circle No. A104 on reply card, p. 20

**Folding Doors** for closets or room dividing are available in wood finishes as well as vinyl fabrics. Described, in color, on catalog sheets.—New Castle Products, Inc.

● Circle No. A105 on reply card, p. 20

**Accordion Doors'** specifications and suggested uses, illustrated in a 12-page

booklet. Data on acoustical properties and strength tests included.—Hough Manufacturing Co.

● Circle No. A106 on reply card, p. 20

**Wood Louvred folding doors** are light weight, look like paneled wall when closed. Catalog illustrates stock designs, custom models. Standard color finishes available.—Consolidated General Products, Inc.

● Circle No. A107 on reply card, p. 20

**Steel Folding Doors** are among products shown in 30-page Leigh catalog. Available in flush style with birch grain or louvred style.—Leigh Building Products.

● Circle No. A108 on reply card, p. 20

### Sliding glass doors

**Sliding Aluminum Doors** with glass or mirror are shown in a new catalog. Engineering details, specifications and sizes charted and illustrated.—Fleet of America, Inc.

● Circle No. A109 on reply card, p. 20

**Four New Catalogs** on Rusco products are now available for builders. They cover aluminum sliding glass doors: steel prime window; aluminum awning windows, jalousies and curtain walls.—The F. C. Russell Co.

● Circle No. A110 on reply card, p. 20

**Aluminum Sliding Glass doors** described and illustrated in an eight-page catalog. Cross-sections and specifications are included.—Trimview Metal Products.

● Circle No. A111 on reply card, p. 20

**Budget-Priced Aluminum sliding glass doors** is the subject of a new brochure. Specifications and sizes are discussed. Features include decorator hardware, ball-bearing operation.—Ador Sales.

● Circle No. A112 on reply card, p. 20

**Sliding Glass Doors**, of aluminum, have trip-proof thresholds, are weather- and draft-proof. Sizes up to 20' 8 1/2" wide. In an illustrated catalog.—Nudor Manufacturing Corp.

● Circle No. A113 on reply card, p. 20

**Sliding Glass Doors** with aluminum frames are shown in this brochure. Detail scale drawings, lots of installation data.—T. V. Walker & Son, Inc.

● Circle No. A114 on reply card, p. 20

**New and Standard models** in this line of aluminum sliding glass doors . . . featured in a colorful brochure. Specifications include glass sizes, height, width and door designation.—Sun Valley Industries, Inc.

● Circle No. A115 on reply card, p. 20

### Garage doors

**Garage Doors** come in one-piece, sectional or with curved surfaces . . . all upward-acting. Twenty-four-page

catalog lists types, sizes and specifications.—Frantz Mfg. Co.

● Circle No. A116 on reply card, p. 20

**Sectional Doors** for home garages are illustrated in a colorful, eight-page booklet. Drawings help select the right door to enhance the exterior of a house.—Howell Manufacturing Co.

● Circle No. A117 on reply card, p. 20

**The Many different designs** available are a feature of this manufacturer's latest garage-door catalog. Both four- and five-section types are included.—Raynor Manufacturing Co.

● Circle No. A118 on reply card, p. 20

**Upward-acting garage doors** for one-car garages are shown by this concern. Styles include paneled doors and flush doors, four- or five-sectioned.—The Ridge Door Co.

● Circle No. A119 on reply card, p. 20

**Easy-to-follow Installation diagrams** with architect's specifications. Included in a 16-page catalog on upward-acting sectional garage doors. Patterns, sizes, hardware.—Calder Mfg. Co.

● Circle No. A120 on reply card, p. 20

**Steel Garage Doors**, in one or four sections have faces and frames of Paintlok steel. Folders describe each type, give framing instructions.—Berry Steel Door Corp.

● Circle No. A121 on reply card, p. 20

**Garage Doors** in wide variety . . . wood, hardboard and steel. Among items listed in new 12-page booklet is The Ultronic, a remote radio-control door operator.—Overhead Door Corp.

● Circle No. A122 on reply card, p. 20

**Garage Doors** . . . many upward-acting designs described and illustrated. All the technical facts included in four-page catalog which shows product in detail.—Barber-Colman Co.

● Circle No. A123 on reply card, p. 20

**Customized Designs** for garage doors are included in new 20-page bulletin. Also detailed: a wide line of stock wood and plastic panel models.—Crawford Door Co.

● Circle No. A124 on reply card, p. 20

### Windows

**Aluminum Awning Windows** are shown with full-sized detail drawings of jalousies in three pages of plans. Included are standard sizes of 4" jalousies.—R. B. Leonard, Inc.

● Circle No. A125 on reply card, p. 20

**Windows and Curtainwalls**, in galvanized, stainless steel and aluminum illustrated and described. A 16-page catalog gives full construction details.—Wilke Metal Products.

● Circle No. A126 on reply card, p. 20

**Windows and Window units** for residential, commercial and institutional use presented in detail in this 44-page catalog. Technical data given on this manufacturer's extensive line. A list of distributors is included.—Andersen Corporation.

● Circle No. A127 on reply card, p. 20

**Types and Sizes**, specifications and installation details on residential steel windows and doors. All available in a 47-page catalog. Double hung, casement, ranch windows are described along with casement and hollow-metal doors.—Trucon Steel Div.

● Circle No. A128 on reply card, p. 20

**Aluminum Windows**, either residential or commercial, discussed in two brochures of interest to the builder. Filled with excellent detailed drawings of installation steps.—Cupples Products Corporation.

● Circle No. A129 on reply card, p. 20

**Care and Cleaning** of aluminum windows during and after construction is the subject of a 15-page catalog. Protective coatings, unloading and handling, installation discussed.—Aluminum Window Manufacturers Assn.

● Circle No. A130 on reply card, p. 20

**Steel Louvred Windows** can be bolted together to form own mullions. Wood, steel, plastic or composition can be substituted for glass. Four-page folder has standard sizes and sections.—Sun-Sash Company.

● Circle No. A131 on reply card, p. 20

**Packaged Wood Windows**, shown in 20-page catalog. Included are casement, multi-purpose and Twinlite windows. Complete sections, sizes, specifications given.—Rolscreen Co.

● Circle No. A132 on reply card, p. 20

**Aluminum Windows**, the complete Ualco line, are shown in a new 40-page catalog. Specifications, sectional details on more than 20 types of windows.—Southern Sash Sales & Supply Co., Inc.

● Circle No. A133 on reply card, p. 20

**Aluminum Jalousie windows** are weather-stripped around entire perimeter with vinyl. Fact-packed four-page folder gives sections and sizes.—Stanley Building Specialties Co.

● Circle No. A134 on reply card, p. 20

**Removable Wood Sash**, double hung, sliding or awning type windows . . . fully described in a 12-page catalog. Lists wide variety of sizes; variety of features.—The Malta Mfg. Co.

● Circle No. A135 on reply card, p. 20

**Full Line** of Crestline wood windows is displayed in 16-page, illustrated catalog. Included are casement, double-hung, sliding, stacking awning and picture windows. Sizes and complete specifications.—The Silcrest Co.

● Circle No. A136 on reply card, p. 20

**Sizes and Specifications** for a complete line of sashless windows included in this brochure. Installation instructions for different types of interior and exterior finishes.—Ernest Pierson Co.

● Circle No. A137 on reply card, p. 20

**Pre-Assembled bay windows**, with all-aluminum framing, come in widths ranging from over six to nearly 15 feet. Frames are 2" deep with narrow widths. In a well-illustrated catalog.—The Maco Corp.

● Circle No. A138 on reply card, p. 20

**Attractive Presentation** of modular window frames of natural wood in this 12-page brochure. "Designs Unlimited" shows "69 ways to turn daylight into dollars."—Fabrow Mfg., Inc.

● Circle No. A139 on reply card, p. 20

**Windows for residential building.** Catalog shows construction diagrams, installation details and specifications. In steel and wood. One page is devoted to "H" and "F" doors.—Hope's Windows, Inc.

● Circle No. A140 on reply card, p. 20

**Wood Windows** and their value in closing homes sales are illustrated here. Snap-in features of removing and replacing sash, weatherstrip and balance during construction is outlined.—Zegers, Inc.

● Circle No. A141 on reply card, p. 20

**Aluminum and Steel windows** and screens . . . described in a technical catalog. Includes specifications, installation details, types and sizes.—Ceco Steel Products Corp.

● Circle No. A142 on reply card, p. 20

### Skylights

**Translucent Polyester material**, reinforced with fiber glass mat, forms basis for these daylighting roof and wall panels. Dome skylights are also described.—Resolite Corp.

● Circle No. A143 on reply card, p. 20

**Glass Roof Panels** have hollow section to control daylight and solar heat. Set in reinforced grids. Illustrated in a 16-page catalog.—Owens-Illinois.

● Circle No. A144 on reply card, p. 20

**Daylight Domes . . .** packaged plastic units which bring daylight to interior areas. Roughing-in specifications, installation data provided in comprehensive booklet.—Wasco Products, Inc.

● Circle No. A145 on reply card, p. 20

### Structural glass, plastic

**Tried and New types** of structural glass . . . rolled, figured, wired . . . in conventional and modern designs. Booklet gives complete details on finishes, light transmission qualities, sizes and specifications.—Mississippi Glass Co.

● Circle No. A146 on reply card, p. 20

**Window Glass** is analyzed and classified in eight-page catalog. Tells the characteristics of each kind of glass. Among types listed is Lustragray, a neutral gray sheet glass.—American Glass Products.

● Circle No. A147 on reply card, p. 20

**Insulating Glass systems** and sliding glass doors are described and illustrated in two brochures. Includes technical data and tips on installation.—Pittsburgh Plate Glass Co.

● Circle No. A148 on reply card, p. 20

**Complete Specifications** and technical tests reports on full range of translucent fiber glass panels. Included in folder are flat panes for window glazing.—Alaynite Co. of America.

● Circle No. A149 on reply card, p. 20

**Corrugated Panels** of fiber glass and nylon plastic are shatterproof and weatherproof. Four-page folder shows types, gives specifications.—Filon Plastics Corp.

● Circle No. A150 on reply card, p. 20

**Corrugated Plastic panels** and their use in commercial, and home construction shown here. Catalog illustrates many colorful uses of Stylux translucent panels.—Butler Mfg. Co.

● Circle No. A151 on reply card, p. 20

### Thresholds, weatherstripping

**Flush Panel Doors** have a personality all their own with lights and louvers from Visador. Information is available on line including the new interlocking circle door lights, and Seal-tite thresholds.—Visador Co.

● Circle No. A152 on reply card, p. 20

**Data Book** contains 79 pages of complete information on metal weatherstrips and sash balances. Many technical drawings, charts and how-to photos.—Master Metal Strip Service.

● Circle No. A153 on reply card, p. 20

**Weather Seals** for doors and windows use silicone-treated fibers in woven pile to provide protection. Variety of types and sections in a 48-page catalog.—Schlegel Mfg. Co.

● Circle No. A154 on reply card, p. 20

### Screens, awnings

**Canvas Shading**, for all types of sun control, outlined in a four-page brochure. Three kinds of canvas are described with individual uses.—Canvas Awning Institute.

● Circle No. A155 on reply card, p. 20

**Aluminum Screens**, for double-hung wood windows, can be installed in five minutes. Tension tight, with exclusive guide bar to insure accurate fit. Specifications available.—Rudiger-Lang Co.

● Circle No. A156 on reply card, p. 20

## PLUMBING AND WATER SUPPLY

### Pumps, water systems

**Water Pumps** from A to Z in this 42-page catalog. Cutaway color drawings show main features of each type pump and water system.—Baker Manufacturing Co.

● Circle No. A157 on reply card, p. 20

**Pumps, Valves and Tanks** are described in 60 pages of bulletins and catalogs. In color, illustrated in detail, the products are explained with technical data.—Bell & Gossett Co.

● Circle No. A158 on reply card, p. 20

**Water Pumps** of various capacities are illustrated in a comprehensive book. Data for jet, sump, hand, deep well, unit pumps and accessories.—Lancaster Pump and Mfg. Co., Inc.

● Circle No. A159 on reply card, p. 20

**Sump Pumps** that work automatically by electricity, require no priming, are illustrated and specified in new brochure. Level gauges, gauge valves and ejectors included.—Penberthy Mfg. Co.

● Circle No. A160 on reply card, p. 20

**Pumps and Water Systems** are completely delineated in an attractively-covered catalog. Other information includes a performance table, a list of service centers, price list and engineering information.—Decatur Pump Co.

● Circle No. A161 on reply card, p. 20

**Of Particular Interest** is this large catalog of F & W water systems with its section on service data. Includes details on selecting the proper equipment. Lists available—advertising aids.—Flint & Walling Mfg. Co., Inc.

● Circle No. A162 on reply card, p. 20

### Piping

**Fibre Pipe** for drainage, sewer and septic systems is the subject of a 28-page bulletin. Specifications and applications fully outlined.—Line Material Industries, McGraw-Edison Co.

● Circle No. A163 on reply card, p. 20

**Clay Pipe** gets a thorough rundown in three booklets included in a loose folder. Titles tell the contents: "Planning for New Sewers"; "The Story of Clay Pipe," and "Clay Pipe Heating Ducts."—Clay Products Assn.

● Circle No. A164 on reply card, p. 20

**Properties of standard Anaconda Copper and copper alloys**, including compositions, forms available. Fatigue and creep strengths presented in booklet form.—The American Brass Co.

● Circle No. A165 on reply card, p. 20

**Plastic Pipe and fittings** are made of new-type polyethylene resin. Described, with tables of sizes, weights

and uses, in ten-page booklet.—Orangeburg Manufacturing Co. Inc.

● Circle No. A166 on reply card, p. 20

**Uses of Copper** and brass in building are covered in this literature. Also available is material on copper for water tubing, and for flashing.—Revere Copper and Brass Inc.

● Circle No. A167 on reply card, p. 20

**Asbestos-Cement building products** are shown and described in a series of brochures. Includes uses as sewer pipe, in air ducts or in structural.—Keasbey & Mattison Co.

● Circle No. A168 on reply card, p. 20

**Copper Piping specifications** and performance records—plus installation and product photographs all are a part of this eight-page brochure. Also detailed are copper water tube fittings and red brass pipe.—Chase Brass & Copper Co.

● Circle No. A169 on reply card, p. 20

### Water heaters

**Compact Water Heater** utilizing natural gas in a pulse combustion system is described and illustrated. Fast-heating unit is for home and commercial use.—Lucas-Rotax Ltd.

● Circle No. A170 on reply card, p. 20

**Flow-Control Systems** for automatically-fired hot water heating are described here. Includes valves, fittings, control systems and water heating specialties.—H. A. Thrush & Co.

● Circle No. A171 on reply card, p. 20

**Water Heater**, glass lined, has non-clogging cast-iron multiple port gas burner. Described in literature are units with 20, 30 and 40 gal. capacities.—L. O. Koven & Bro., Inc.

● Circle No. A172 on reply card, p. 20

**Automatic Electric hot-water heaters** are compact with trim lines, either free-standing or counter-type. Complete story told in firm's folder.—The Hotstream Heater Co.

● Circle No. A173 on reply card, p. 20

**Tabletop Water Heaters**, glass-lined, in a 30-page catalog. Compact radiant and forced-air furnaces and wall heaters are also shown.—Day & Night Mfg. Co.

● Circle No. A174 on reply card, p. 20

### Bathroom fixtures

**Plumbing and Heating ideas** for home builders. Fixtures for bathrooms and kitchens as well as heating and air conditioning equipment. Catalog illustrates new design features.—Crane Co.

● Circle No. A175 on reply card, p. 20

**Plumbing Fixtures** are shown in a 90-page catalog. Specifications for original equipment and replacement parts.—Gerber Plumbing Fixtures Corp.

● Circle No. A176 on reply card, p. 20

**Plumbing Fixtures** of vitreous china illustrated in a 28-page catalog. Color chart assists selection to harmonize with fixtures made by other manufacturers.—Case Manufacturing Co.

● Circle No. A177 on reply card, p. 20

**Plumbing Fixtures** of all types . . . for both residential and commercial use. Shown in this 32-page catalog in full color.—Richmond Plumbing Fixtures Div., Rheem Mfg. Co.

● Circle No. A178 on reply card, p. 20

**Fiber Glass Laundry Tubs** can add beauty to the utility room. Illustrated and described in a four-page booklet. Specifications and features outlined.—Wessels Co., Inc.

● Circle No. A179 on reply card, p. 20

**Four Basic Types** of pre-cast terrazzo shower receptors are explained. Specifications and the available colors are included in this literature.—Pacific Pre-Cast Products, Inc.

● Circle No. A180 on reply card, p. 20

**Vitreous China Fixtures** for bathroom and kitchen include new off-the-floor toilet. Fixtures come in five pastel shades. All shown in a 52-page illustrated catalog.—Chicago Pottery Co.

● Circle No. A181 on reply card, p. 20

**Style Groups and color** for bathroom fixtures are shown in this really complete 40-page catalog. Diagrams illustrate styles, sizes, installation space needed.—Eljer Div., Murray Corp.

● Circle No. A182 on reply card, p. 20

### Kitchen sinks

**Stainless Steel Products**, shown in eight-page illustrated catalog. Include wide range of home sinks and counters, school and hospital equipment.—Just Manufacturing Co.

● Circle No. A183 on reply card, p. 20

**Stainless Steel Sinks** are illustrated and described in a four-page folder. The dimensions, weights and styles are displayed.—Carrollton Mfg. Co.

● Circle No. A184 on reply card, p. 20

### Bath fittings, accessories

**Bathroom Hardware**, with non-tarnish finishes in gold, copper and chrome. Listed on individual sheets including towel bars and rings, soap dishes, hangers and tissue holders.—Mirro-Cote Co., Inc.

● Circle No. A185 on reply card, p. 20

**Bathroom Accessories** . . . both projection and recessed type fixtures in wide variety. Described and illustrated in two-color catalog.—Adrian Div., Hoover Ball & Bearing Co.

● Circle No. A186 on reply card, p. 20

**All-Brass Fittings** for plumbing in residential and institutional construction are illustrated here. Two new series of either brushed or polished chrome finishes.—Kohler Co.

● Circle No. A187 on reply card, p. 20

### Shower, tub enclosures

**Shower Cabinets, doors, receptors and bath enclosures** highlighted in this well-illustrated brochure. Emphasizes specifications, construction details.—Fiat Metal Manufacturing Co.

● Circle No. A188 on reply card, p. 20

**Shower Enclosures and doors** for bathtubs and showers . . . illustrated and described in a 12-page booklet. Also describes promotion material.—Theodore Efron Manufacturing Co.

● Circle No. A189 on reply card, p. 20

**Warm-Air Baseboard heating system** can be adapted to all phases of air conditioning. System combines warm air and perimeter heat with radiant heating. Explanatory four-page pamphlet.—Berger Furnace Corp.

● Circle No. A204 on reply card, p. 20

**Electric Heaters and heating systems** are described with specifications and illustrations in new eight-page booklet. Included are wall and portable heaters, radiant panel and baseboard heaters.—Electromode Div., Commercial Controls Corp.

● Circle No. A205 on reply card, p. 20

**Heating Equipment** of all kinds appears in this 64-page, colorful manual. Besides specifications, you'll find ordering and installation information.—Hotstream Heater Co.

● Circle No. A206 on reply card, p. 20

**Electric Heating** for residential and commercial use is discussed and described with illustrations. A 12-page brochure includes specifications and dimensions.—Edwin L. Wiegand Co.

● Circle No. A207 on reply card, p. 20

**Baseboard Heating** is described and illustrated in a 14-page catalog. Gives advantages, shows how the unit works. Air conditioning equipment also included.—Warren Webster & Co.

● Circle No. A208 on reply card, p. 20

**Electric-Heating Package** designed for use with summer air conditioning is illustrated in leaflet. Facts, data and specifications.—Marvair Div., Muncie Gear Works, Inc.

● Circle No. A209 on reply card, p. 20

**Oil Furnace**, said to have an oil flame that starts clean and stays clean, is the subject of a four-page folder. Complete with colored illustrations and description of unit, The Custom Mark II.—Iron Fireman Mfg. Co.

● Circle No. A210 on reply card, p. 20

**Compact Heater, gas-fired**, is counter high, provides two-temperature hot water heating for baths and kitchen plus house heat. Shown with picture and diagrams in new 12-page catalog.—National-U.S. Radiator Corp.

● Circle No. A211 on reply card, p. 20

**Space and Gravity Heating** equipment catalog includes room heaters, floor furnaces and wall heaters. Each product is shown, in full color, in a room setting. Complete specifications.—Temco, Inc.

● Circle No. A212 on reply card, p. 20

**Radiant Heating** in ceilings applied in a carefully planned pattern before plastering. Thermostats control warmth in individual rooms. Described in a 16-page catalog.—Sunwarm, Inc.

● Circle No. A213 on reply card, p. 20

## HEATING, COOLING AND VENTILATION

### Cooling systems

**Air Conditioning**, heating and cleaning equipment is catalogued and illustrated in this 32-page brochure. Application, construction and performance of each unit discussed.—Westinghouse Electric Corp.

● Circle No. A190 on reply card, p. 20

**Advanced ABCs** in air conditioning systems and units . . . assembled in 32-page catalog. Many cutaway drawings, diagrams and charts featured.—American Standard, Air Conditioning Div.

● Circle No. A191 on reply card, p. 20

**Air-Conditioning** equipment for the home is shown in full color in this pamphlet. Units are air cooled; available in both horizontal and vertical models. Wiring diagram included.—Holly-General Co., Div. Siegler Corp.

● Circle No. A192 on reply card, p. 20

**Attic-Type, air-cooled** air conditioners for installation in ranch-style homes shown in leaflet. Specifications and performance data for 1½- and 2-ton units is provided.—Muncie Gear Works, Inc.

● Circle No. A193 on reply card, p. 20

**Information Kit** offers material on air-conditioning and heating equipment and barbecue grills. Includes construction "heater factor" tables.—Chattanooga Royal Co.

● Circle No. A194 on reply card, p. 20

**Water and Air-Cooled** air conditioning units pictured and fully described. Full specifications, including cooling capacity, dimensions and weights are included.—Curtis Manufacturing Co.

● Circle No. A195 on reply card, p. 20

**Summer Air Conditioning** equipment for both residential and light commercial use. Outlined in a group of specification brochures published by this company.—Heil-Quaker Corp.

● Circle No. A196 on reply card, p. 20

### Heating systems

**Winter Air Conditioners**, oil- and gas-fired, in an eight-page catalog with complete descriptions and specifications. Line includes a small suspended oil-fired unit, high- and low-boy models. Price sheet available.—Kaustine Furnace & Tank Corp.

● Circle No. A197 on reply card, p. 20

**Radiant Heating Cables** for installation in dry wall construction, plastered ceilings and concrete floors. All explained in this series of booklets. Application details, price lists, and product folders are available, too.—Ceilheat, Inc.

● Circle No. A198 on reply card, p. 20

**Heat Convector**, built-in or free standing, are of heavy-gauge steel with adjustable brackets. Details, specifications about complete line.—Embassy Steel Prod., Inc.

● Circle No. A199 on reply card, p. 20

**Electric Baseboard Heaters**, together with new line of wall and ceiling auxiliary heaters . . . included in 24-page catalog. Units are fully illustrated and accompanied by price lists.—Markel Electric Products, Inc.

● Circle No. A200 on reply card, p. 20

**Invisible Ceiling Heat** from radiant cables. Complete specifications in 12-page catalog, with listings of electric baseboard and auxiliary heaters.—Meier Electric & Machine Co., Inc.

● Circle No. A201 on reply card, p. 20

**Boilers—Radiation and Accessories** is the title of this comprehensive catalog. Packed with details for gas-fired, hot water and oil-fired boilers.—Dunkirk Radiator Corp.

● Circle No. A202 on reply card, p. 20

**Electric Floor Furnaces** in a 12-page catalog along with perimeter heating and portable heaters. All have automatic operation.—Electric Heating Div., Cavalier Corp.

● Circle No. A203 on reply card, p. 20

Automatic Electric Heat is the big feature of these wall furnaces, baseboard panels and other heating systems. Shown and described in a 16-page illustrated-in-color catalog.—Wesix Electric Heater Co.

● Circle No. A214 on reply card, p. 20

Winter Air Conditioner, gas-fired, can be converted to summer cooling later. Same ducts are used. Builder kit shows other gas- and oil-fired units.—The Thatcher Furnace Co.

● Circle No. A215 on reply card, p. 20

Climate Control for individual rooms and entire house is fully described, illustrated and specified. Two new catalogs show gas- and oil-fired units for heating and cooling.—Mueller Climatrol.

● Circle No. A216 on reply card, p. 20

The newest line of "Regulaire" warm air furnaces range in output from 80,000 to 160,000 BTU. Shown with specifications, in this brochure.—Perfection Industries, Div. Hupp Corp.

● Circle No. A217 on reply card, p. 20

Heaters and Air Conditioners are briefly illustrated in a four-page brochure. Describes products available to the builder, including heaters and convectors.—Young Radiator Co.

● Circle No. A218 on reply card, p. 20

Convectors for hot-water heating are listed, with their ratings, in this catalog. Unit heaters, cabinet convectors, and baseboard radiation are covered.—The Rittling Corp.

● Circle No. A219 on reply card, p. 20

Gas Heaters for supplementary heating have sealed combustion chamber to cut down heat loss. In booklet with other gas-fired units. Specifications included.—H. C. Little Burner Co., Inc.

● Circle No. A220 on reply card, p. 20

Gas Heaters are illustrated in a six-page full-color catalog. Five sizes of heaters from 20,000 to 65,000 BTU input are shown in detail.—Locke Stove Co.

● Circle No. A221 on reply card, p. 20

A Complete Line of gas-fired heating equipment is catalogued here. Included are boilers, unit heaters, furnaces, and conversion burners.—Roberts-Gordon Appliance Corp.

● Circle No. A222 on reply card, p. 20

Warm-Air Furnaces are illustrated in a circular. Fifteen gas and nine oil models are shown. BTU outputs and dimensions are available also.—The Williamson Co.

● Circle No. A223 on reply card, p. 20

Gas Ventilating system is formed of a double-wall, air-insulated metal pipe. For appliances and standard or

recessed wall heaters. Described in a 14-page illustrated catalog.—Dura-Vent Corporation.

● Circle No. A224 on reply card, p. 20

Fiber Forms and Ducts. For use in construction where easily stripped cylindrical forms are needed, or for heating and ventilating ducts. Two four-page booklets describe and give technical data.—Sonoco Products Co.

● Circle No. A225 on reply card, p. 20

Fibre Heating Ducts, designed for use in concrete slabs, are described in detail in this literature. Fittings of all types also are included.—The Richkraft Co.

● Circle No. A226 on reply card, p. 20

### Combination cooling, heating systems

Home Air Conditioning is described in an eight-page brochure. Dimensions and capacities of several year-round air conditioning units, heat pumps, and oil-fired furnaces are described.—Carrier Corp.

● Circle No. A227 on reply card, p. 20

Air Conditioning, Series 50, has cast iron heat exchanger with copper-chromium combustion chamber. Same filters and ducts for year-round use. Shown with other gas and oil-fired heaters.—Niagara Furnace Div.

● Circle No. A228 on reply card, p. 20

Heating and Cooling Systems. Described in new 20-page catalog. Includes illustrations, in color, of forced air systems, unit heaters and air conditioners.—The Payne Co.

● Circle No. A229 on reply card, p. 20

Forced-Air Heating and cooling units with their sizes and ratings are detailed in this descriptive literature. Furnaces are both oil- and gas-fired.—Rheem Manufacturing Co.

● Circle No. A230 on reply card, p. 20

Compact Heating and air-conditioning units are illustrated in a four-page catalog. Complete with installation diagrams, cross sections and specifications.—Stewart-Warner Corp.

● Circle No. A231 on reply card, p. 20

A New Catalog covers in detail year-round comfort air conditioning for the home. Information on gas- and oil-fired furnaces. The eight-page catalog has color pictures.—The Trane Co.

● Circle No. A232 on reply card, p. 20

Heating and Air Conditioning equipment for residential and commercial installation. A 16-page catalog gives features of each unit with technical data and dimensions tabulated.—General Electric Co.

● Circle No. A233 on reply card, p. 20

Central Heating and air conditioning for residential construction. Covered in a four-page folder with dimensions, specifications, output and ratings.—The Coleman Co., Inc.

● Circle No. A234 on reply card, p. 20

Residential Evaporators are photographed and explained in detail in this series of bulletins. About both residential and commercial cooling and heating equipment. Specifications also.—Halstead & Mitchell.

● Circle No. A235 on reply card, p. 20

Heating-Cooling brochure from GM describes its Conditionaires, water heaters and boilers. Dimensions, specifications, pictures and drawings included.—Delco Appliance Div.

● Circle No. A236 on reply card, p. 20

Glass Fiber Ducts for residential heating and air conditioning are illustrated in this series of bulletins. Specifications and weights for 4" to 14" ducts are given.—Gustin-Bacon Mfg. Co.

● Circle No. A237 on reply card, p. 20

### Air cleaners

An Electronic air cleaner referred to as an "Automatic Housekeeper" is described in an interesting brochure. Sketches tell the story of how the unit works.—Trion, Inc.

● Circle No. A238 on reply card, p. 20

### Fans, louvers

New Package-Unit attic fan "Giro" includes choice of shutter sizes. Described along with other horizontal and vertical models in four-page brochure.—Jackson Mfg. Co.

● Circle No. A239 on reply card, p. 20

Ventilating Fans for attic and basement installation feature certified air delivery ratings. Detailed brochure gives required exhaust areas, dimensions and specifications.—Hunter Div., Robbins & Myers, Inc.

● Circle No. A240 on reply card, p. 20

Attic Fan has shutter louvers that open when fan is on, close automatically when switched off. Described in a four-page folder.—Bar-Brook Mfg. Co., Inc.

● Circle No. A241 on reply card, p. 20

Two Brochures describe the Viking 22" window fans and the Viking 500-U knockdown blower package. Both brochures give specifications and details.—Viking Air Products.

● Circle No. A242 on reply card, p. 20

Specifications and installation instructions for attic fans are provided in this literature. Units up to 19,500 cu. ft. capacity.—Phil Rich Fan Mfg. Co., Inc.

● Circle No. A243 on reply card, p. 20

**Registers and Grilles** for heating and air conditioning. Liberally-illustrated booklet also describes clothes chutes and ceiling-type diffusers.—Auer Register Co.

● Circle No. A244 on reply card, p. 20

**Ventilating Equipment** for both kitchens and bathrooms is depicted in a colorful eight-page brochure. Details, installation procedures for hoods, blowers, ventilating fans, heaters.—Broan Manufacturing Co., Inc.

● Circle No. A245 on reply card, p. 20

**Ventilators**, a complete line of them, for both foundations and cornices. Outlined in a catalog from this company. Vents use eight-mesh aluminum screening.—Hamlin Products Inc.

● Circle No. A246 on reply card, p. 20

**Peak-Type Louvers**, galvanized and aluminum, come in one piece with base sizes up to 10'. Detailed in folder with other types of roof and wall vents.—Louv-r-Pak, Inc.

● Circle No. A247 on reply card, p. 20

**Midget Louvres** range in size from 1" to 6" diameters. Can be used in side walls or other places to ventilate and remove moisture. In copper, chrome and anodized aluminum. Data is in

12-page catalog.—Midget Louvre Co.

● Circle No. A248 on reply card, p. 20

**Information Center** for five types of registers, diffusers, grilles is at hand in this 62-page catalog. Packed with details plus color illustrations.—Air Control Products, Inc.

● Circle No. A249 on reply card, p. 20

### Heating controls

**Heat Controls** for heating and cooling systems described in eight-page folder. Zone-control is explained and illustrated. Specifications for thermostats, switches and dimmers.—Minneapolis-Honeywell Regulator Co.

● Circle No. A250 on reply card, p. 20

**Automatic Controls** for heating, air conditioning and refrigeration equipment. Features, technical data and specifications for each type included in this literature.—White-Rodgers Co.

● Circle No. A251 on reply card, p. 20

**Full Line** of heating controls, automatic valves and regulators is covered in a 70-page book. Commercial and residential control equipment.—General Controls.

● Circle No. A252 on reply card, p. 20

### Fireplaces, chimneys

**Open-Hearth Fireplaces** that can burn coal, charcoal or logs are the subject of a series of catalogs. Chimneys and fireplace accessories included.—Condensation Engineering Co.

● Circle No. A253 on reply card, p. 20

**Heatilator Fireplaces** circulate heat; will not smoke and the damper seals airtight. Specifications, dimensions and designs described in this illustrated brochure.—Vega Industries, Inc.

● Circle No. A254 on reply card, p. 20

**Prefabricated Chimney** is lightweight. Composed of insulating fiber packed between stainless steel inner and galvanized steel outer pipe. Twelve-page catalog.—Metalbestos Div., William Wallace Co.

● Circle No. A255 on reply card, p. 20

**Packaged Chimney** has stainless steel flue, is light-weight, can be used with any kind of fuel. Roof housing measures 16" x 20", cap 20" x 24", flue 7". Catalog sheets available.—McQuay Chimneys.

● Circle No. A256 on reply card, p. 20

## ELECTRICAL, LIGHTING AND WIRING

### Lighting design

**Lighting Guide** recommends fixture combinations for various rooms. Book aids in selection and positioning of fixtures for general and decorative illumination.—General Electric Co.

● Circle No. A257 on reply card, p. 20

**Lighting Standards** are set forth in this catalog of new lighting ideas. With its 168 pages, the catalog is easy-to-use and offers good technical information.—Lighting Dynamics.

● Circle No. A258 on reply card, p. 20

**Standards** publications, offered by NEMA, amount to over 150 separate booklets for electrical apparatus and equipment. Catalog gives complete list, descriptions and prices.—National Electric Manufacturers Assn.

● Circle No. A259 on reply card, p. 20

**Lighting Design** in an array of decorative fixtures. Thirty-six pages, some color, of indoor-outdoor lighting fixtures in this catalog. Product details with illustrations.—Imperial Lighting Products Co.

● Circle No. A260 on reply card, p. 20

### Lighting fixtures

**Lighting Fixtures**, from spotlights to satellites, in a new 56-page catalog. Some 300 designs allow wide selection

for modern and traditional interiors.—Jay Lighting Manufacturing Co., Inc.

● Circle No. A261 on reply card, p. 20

**Residential Lighting** fixtures of all kinds, for use both inside and outside. Catalog has both numerical and pictorial indices, for quick reference.—Progress Manufacturing Co., Inc.

● Circle No. A262 on reply card, p. 20

**Contemporary Lighting** fixtures for all interior application are pictured in this catalog. Wall, ceiling and table models are included.—Prescolite Manufacturing Corp.

● Circle No. A263 on reply card, p. 20

**Reflectors** for both fluorescent and incandescent lighting are listed in this literature. Sizes and ratings of the units also are detailed.—Pittsburgh Reflector Co.

● Circle No. A264 on reply card, p. 20

**Lighting Fixtures** for every room in the house are included in new 58-page catalog. Illustrated in color with descriptive specifications.—Moe Light Div., Thomas Industries, Inc.

● Circle No. A265 on reply card, p. 20

**America's Gaslight Era** is reflected in outdoor lanterns that burn natural,

propane or butane fuel. In three models, with black painted finish, aluminum or gold anodized aluminum trim. In an illustrated catalog.—Arkla Air Conditioning Corp.

● Circle No. A266 on reply card, p. 20

**New Approach** to lighting and its uses is described in this Virden catalog. Many of the company's new models are described in this 48-page, full-color catalog.—John C. Virden Co.

● Circle No. A267 on reply card, p. 20

**Lighting Fixtures** of all kinds are listed in this catalog. Included are ceiling and wall fixtures, chandeliers, and decorative outdoor fixtures.—Globe Lighting Products, Inc.

● Circle No. A268 on reply card, p. 20

**Heater-Light Fixture** combines infrared heat with ceiling light. Surface-mounted for quick installation. Line also includes ceiling heaters, attic fans and range hoods. Pamphlets available.—Emerson-Fryne Co.

● Circle No. A269 on reply card, p. 20

**New Ventilator Light** can be vented through wall or roof. Typical installations, specifications, dimensions and wiring methods are described and diagrammed in color brochure.—Fasco Industries, Inc.

● Circle No. A270 on reply card, p. 20

**This Directory contains a complete listing (name and address) of manufacturers of building products and equipment. Every firm mentioned anywhere in this issue is included here, and on the next 15 pages.**

### A

- A & A Register Co** 8327 Clinton Rd Cleveland 9 Ohio
- A A Wire Products Co** 714 E 61 St Chicago
- A & F Tileboard Co** Box 4085 Lee & Roy Alexandria La
- ABC Div American Motors Corp** 14250 Plymouth Rd Detroit Mich
- A R B Window Sales Co** 19433 John R St Detroit 3 Mich
- Abbeon Supply Co** 179-15 Jamaica Ave Jamaica 32 NY
- Abbot-Miller Div Superior Shade Co** 510 W 126 St New York NY
- Aberdeen Plywood Corp** PO Box 340 Aberdeen Wash
- Abesto Mfg Co** 131 Wabash St Michigan City Ind
- Abitibi Corp** 956 Penobscot Bldg Detroit
- Abrasive Products Inc** South Braintree Mass
- Accountants' Supply House** 518 Rockaway Ave Valley Stream NY
- Ackerman Johnson Co** 625 W Jackson Chicago 6 Ill
- Acme Appliance Mfg Co** Acme Builders Hardware Div 200 E Railroad Ave Monrovia Cal
- Acme Brick Co** PO Box 425 Ft Worth Tex
- Acme Door & Trim Co** 15094 Greenville Ave Detroit Mich
- Acme Equipment Co** 213 E Broadway Muskogee Okla
- Acme Industries Inc** 600 N Mechanic St Jackson Mich
- Acme-Newport Steel Co** 9th & Lowell Sta Newport Ky
- Acme Shale Brick Co Inc** 1153 Main Buffalo 9 NY
- Acme Steel Co** 135th & Perry Chicago 27
- Acorn Mfg Co** Mansfield Mass
- Active Tool & Mfg Co** 888 Clairpointe Ave Detroit 15 Mich
- Adam Frank Electric Co** 3651 Windsor Pl St Louis Mo
- Adams Bros Mfg Co Inc** 1500 North Ave W Pittsburgh 33 Pa
- Adams Co** PO Box 268 Dubuque Iowa
- Adams Engineering Co** PO Box 875 Ojus Fla
- Adams & Westlake Co** Safford St Elkhart Ind
- Adel Clay Products Co** 101 Ashworth Rd W Des Moines Iowa
- Adjusta Post Mfg Co** 908 S Clair & Bowery Akron 7 Ohio
- Admiral Corp** 3900 W Cortland Chicago 4
- Ador Sales Inc** 2345 W Commonwealth Fullerton Cal
- Adrian Div Hoover Ball & Bearing** 1365 E Beecher St Adrian Mich
- Aermotor Co** 2500 W Roosevelt Chicago 8 Ill
- Aerona Mfg Co** Middletown Ohio
- Aeroshade Co** 433 Oakland Ave Waukegan Wis
- Aetna Plywood & Veneer Co** 1227 W Bruce St Milwaukee 4 Wis
- Aetna Steel Prods Corp** 730 Fifth Ave New York 19 NY
- Aiken Vincent L** 3844 Silver Lake Rd Silver Lake Wash
- Air Controls Inc** 2310 Superior Ave Cleveland 14 Ohio
- Air Devices Inc** 185 Madison Ave NYC
- Air O Cel Co** PO Box 62 Ferndale Detroit
- Airelrite Co** Westview Ave Marietta Ohio
- Air Placement Equipment Co** 1009 11 W 24 St Kansas City 8 Mo
- Airtemp Div Chrysler Corp** 1600 Webster St Dayton 1 Ohio
- Air Vue Prods Corp** 3649 N W 50th St Miami Fla
- Ajax Building Bracket Co** 1551 Rydal Mountain Rd Cleveland Heights Ohio
- Ajax Hardware Corp** 4355 Valley Blvd Los Angeles 32 Cal
- Akron Products Co** Seville Ohio
- Alabama Metal Lath Co Inc** PO Box 992 Birmingham 1 Ala
- Alabama Oak Flooring Co** Guin Ala
- Alabama Wire Co Inc** PO Box 653 Florence Ala
- Alamark Inc** PO Box 216 Sharonville Ohio
- Albertson & Co Inc** 27 & Lowell Sts Sioux City 2 Iowa
- Albritton Engineering Corp** PO Box 469 Bryan Tex
- Aldrich Co** 111 Williams St Wyoming Ill
- All Metal Partition Co Inc** 204 Dupont St Brooklyn 22 NY
- All Weather Jalousies Inc** State Highway 46 Teterboro NJ
- Allegheny Ludlum Steel Co** Oliver Bldg Pittsburgh 22 Pa
- Alliance Mfg Co Inc** Alliance Ohio
- Allianceware Inc** Box 809 Alliance Ohio
- Allied Compositions Co Inc** 56-25 Flushing Ave Maspeth 78 NY
- Allied Metals Inc** 14 Hamilton St New London Conn
- Allied Precision Indus Inc** 425 Stevens St Geneva Ill
- Allis Chalmers Mfg Construction Machinery Div** 1126 S 70th St Milwaukee 1 Wis
- Allith-Prouty Inc** 819 N Bowman Ave Danville Ill
- Allmetal Weatherstrip Co** 1911 Ridge Ave Evanston Ill
- Alloy Tile Corp** 109 Roosevelt Ave Belleville NJ
- Aloha Lumber Corp** Aloha Wash
- Alpha Portland Cement Co** Alpha Bldg Easton Pa
- Alseo Inc** 225 Forge Akron 8 Ohio
- Alside Inc** 1415 Waterloo Rd Akron Ohio
- Aisto Co** 4007 Detroit Ave Cleveland Ohio
- Alsynite Co of America** 4654 De Soto St San Diego 9 Cal
- Alumatic Corp of America** 2081 S 56th St Milwaukee 19 Wis
- Aluminum Co of America** 1501 Alcoa Bldg Pittsburgh 19 Pa
- Aluminum & Glass Products Co** 1901 Franklin Ave Houston Tex
- Aluminum Industries** 716 E Nash Milwaukee Wis
- Alvey Ferguson Co Inc** North and Disney Cincinnati 9 Ohio
- Amana Refrigeration Inc** Amana 30 Iowa
- Ambassa Dor Co** Malvern Pa
- Ambroid Co** Box 30 Weymouth 88 Mass
- American Abrasive Metals Co** 460 Coit St Irvington 11 NJ
- American Accordion-Fold Doors Inc** 171-04-06 Jamaica Ave Jamaica 32 NY
- American Air Filter Co** 215 Central Ave Louisville 8 Ky
- American Architectural Prod Corp** 51 W Wacker Dr Chicago Ill
- American Art Metals Co** 433 Highland Ave N E Atlanta Ga
- American Asbestos Product Co** 800 Franklin Blvd Cleveland Ohio
- American Bitrite Rubber Co** Ferrine Ave Trenton 2 NJ
- American Bitumuls & Asphalt Co** 320 Market St San Francisco 20 Cal
- American Brass Co** 414 Meadow St Waterbury 20 Conn
- American Builder Book Service Dept** 30 Church St New York NY
- American Cells Co** R-524 Lakewood Rd Farmingdale NJ
- American Conveyor Co** 2133 S Christiana Chicago 23 Ill
- American Coolair Corp** 3600 Mayflower Ave Jacksonville 3 Fla
- American Duralite Corp** Loudon Tenn
- American Engineering Co** Wheatshaf Lane & Sepviva St Philadelphia 37 Pa
- American Flexible Conduit Co** 969 Shawmut Ave New Bedford Mass
- American Floor Machine Co** 5185 St Clair St Toledo 3 Ohio
- American Furnace Co** 1300 Hampton Ave St Louis 10 Mo
- American Hoist and Derrick Co** 63 S Robert St St Paul 7 Minn
- American Incinerator Corp** 5710 E Nevada St Detroit 11 Mich
- American Louver Co** 4240 N Sayre Ave Chicago 34 Ill
- American Marietta Co** Valdura Div 101 E Ontario St Chicago 11 Ill
- American Mat Corp** 2330 Adams St Toledo 2 Ohio
- American-Olean Tile Co** 1000 Cannon Ave Lansdale Pa
- American Photocopy Equipment Co** 2100 W Dempster Evanston Ill
- American Radiator & Standard Sanitary Corp** 40 W 40th St New York NY
- American Roof Truss** 6750 Stony Island Ave Chicago 49 Ill
- American Saw & Mfg Co** 67 Boylston St Springfield 1 Mass
- American Screen Products Co** 61 East North Ave Northlake Ill
- American Shower Door Co Inc** 936 N Cahuenga Blvd Hollywood 38 Cal
- American Sisakraft Corp** 55 Starkey Ave Attleboro Mass
- American Sta-Dri Co** 4102 41st St Brentwood Md
- American Stained Shingle Co** 381 West Spruce St Columbus Ohio
- American Standard Air Conditioning Div** Elyria Ohio
- American Standard American Blower Div** 8111 Tireman Detroit 32 Mich
- American Standard Plumbing & Heating Div** 40 W 40th St New York 18 NY
- American Steel Door Co** 11148 Harper Ave Detroit 13 Mich
- American Steel & Wire Div** 614 Superior Ave N W Cleveland 13 Ohio
- American Telephone & Telegraph Co** 195 Broadway New York 7 NY

American Varnish Co 1134 N Branch St Chicago 22 Ill  
American Vitriol Prods Co 799 National City Bank Bldg Cleveland 14 Ohio  
American Window Glass Div American-Saint Gobain Corp Farmers Bank Bldg Pittsburgh 22 Pa  
American Woodworking Machinery Co 199 Liberty St Hackettstown NJ  
Amerock Corp 4900 Auburn St Rockford Ill  
Ame Metal Moulding Co 33 California Ave Paterson NY  
Amidon Engineering Co 38369 Cleveland Rd Elyria Ohio  
Amweld Building Products Div American Welding & Mfg 100 Plant St Niles O  
Anacosta Wire & Cable Co 25 Broadway New York 4 NY  
Anchor Mfg Co 2932 W 26 St Chicago Ill  
Anchor Post Products Inc 6500 Eastern Ave Baltimore 24 Md  
Andersen Corp Bayport Minn  
Anderson V E Mfg Co Inc 1515 E 18th St Owensboro Ky  
Andrc Chemical Co 7301 W Lake St Minneapolis Minn  
Anesite Co 3575 Touhy Chicago 45 Ill  
Angel Novelty Co 340 Broad St Fitchburg Mass  
Angelina Hardwood Sales Co 1312 Wilson St Luffkin Tex  
Angell Nail & Chapiet Co 4580 E 71 St Cleveland Ohio  
Anniston Soil Pipe Co Inc PO Box 191 Anniston Ala  
Anorec Products Inc 97 11 Northern Blvd Corona LI 68 NY  
Anson & Gilkey Co Merrill Wisc  
Anti Hydro Waterproofing Co 265 Badger Ave Newark 8 NJ  
Appleton Coated Paper Co 1200 N Meade Appleton Wisc  
Arcata Plywood Corp PO Box 427 Arcata Cal  
Architectural Plan Service Inc 89-51 164th St Jamaica 3 NY  
Areo Co 7301 Besemer Cleveland 27 Ohio  
Arkansas Oak Flooring Co 2299 W Fifth Ave Pine Bluff Ark  
Arketex Ceramic Corp 6 N Walnut St Brazil Ind  
Arkla-Servel Corp 812 Main St Little Rock Ark  
Arneo Drainage & Metal Products 703 Curtis St Middletown Ohio  
Armstrong Cork Co Liberty St Lancaster Pa  
Armstrong Furn Co Div Natl U E 851 W 3rd Ave Columbus 8 Ohio  
Armstrong Products Corp PO Box 940 Huntington 12 W Va  
Arnold Altex Aluminum Co 6721 N W 36th Ave Miami 47 Fla  
Arpa Corp New Holstein Wisc  
Arro Expansion Bolt Co PO Box 388 Marion Ohio  
Arrow Fastener Co Inc 1 Junius St Brooklyn NY  
Arrow Hart & Hegeman Elec Co 103 Hawthorn St Hartford 6 Conn  
Arrow Tank Co Inc 16 Barnett St Buffalo 15 NY  
Artcrest Plastics Co Inc 255 W 79 St Chicago Ill  
Arvey Corp 3462 N Kimball Ave Chicago 18 Ill  
Ash Grove Lime & Portland Cement Co 1105 Fairfax Bldg Kansas City Mo  
Askren J I Co Stock Yards Indianapolis Ind  
Asphalt Corp of America Calif & Daniel Sta Danville Ill  
Associated Plan Services Inc 384 New York Ave Huntington NY  
Associated Plumbing Supply Co Inc 10 St Baerfield Fort Wayne Ind  
Atee Aluminum Products 1910 S Kuhl St Orlando Fla  
Athens Stone Works Inc Hicks St Athens Tenn  
Atkins E C Div Borg-Warner 402 S Illinois St Indianapolis 9 Ind  
Atkins Wood Products Corp 103-12 101 St Ozone Park NY  
Atkinson Mfg Co 502-14 S James Ludington Mich  
Atlanta Oak Flooring Co Box 942 Atlanta Ga  
Atlas Aluminum Corp Lancaster Pa  
Atlas Electric Prods Co 319 Ten Eyck St Brooklyn 6 NY

Atlas Floor Surfacing Machinery Corp 268 East 34th St New York 16 NY  
Atlas Overhead Door Co 122 Mill St Quakertown Pa  
Atlas Press Co 1991 N Pitcher St Kalama-zoo Mich  
Aubrey Hardware Mfg Inc Union Ill  
Auer Register Co 6008 Clement Ave Cleveland 5 Ohio  
Aurora Pump Div New York Air Brake Co Loucks at Dearborn Aurora Ill  
Austin & Eddy Inc 115 Broad St Boston 4  
Auth Electric Co Inc 34-29 45th St LIC 1 NY  
Autographic Business Forms Inc 45 E Wesley St South Hackensack NJ  
Automatic Transportation Co 101 W 87 St Chicago 29 Ill  
Auto-Nailer Co 267 Marietta St Atlanta Ga  
Auloyre Co 1949 N Cicero Ave Chicago Ill  
Award Pools 1631 10 St Santa Monica Cal  
Axford Prairie Shake Co Rt 1 Box 120 Hoquiam Wash  
Azrock Floor Products Div Uvalde Rock Asphalt Co Box 531 San Antonio Tex

**B**

B & T Metals Co 425 W Town St Columbus 16 Ohio  
Babcock W W Co Inc Delaware Ave Bath NY  
Bache Semon & Co 636 Greenwich St New York 14 NY  
Badger Div The Warner & Swasey Co 1124 West 5th St Winona Minn  
Baker Mfg Co 133 Enterprise St Evansville Wisc  
Baldwin Hardware Mfg Corp 841 Wyoming Blvd Reading Pa  
Baldwin Hill Co 590 Breunig Ave Trenton 2 NJ  
Ballymore Co Lincoln & Garfield West Chester Pa  
Balsa Ecuador Lumber Corp 500 Fifth Ave New York 36 NY  
Baltz Robert N & Co Inc 1009 Harvard Terrace Evanston 1 Ill  
Bangkok Industries Inc 1545 W Passyunk Ave Philadelphia 45 Pa  
Barber Colman Co Overdoors & Operators Div Park Plant Rockford Ill  
Barber Greene Co 490 N Highland Aurora Ill  
Barber Mfg Co 1057 E 134 St Cleveland O  
Barber & Ross Inc 2323 4th St N E Washington DC  
Bar-Brook Mfg Co PO Box 6638 Shreveport La  
Barclay Mfg Co Inc 385 Gerard Ave NYC  
Barco Mfg Co 500 N Hough St Barrington Ill  
Bard Mfg Co Bryan Ohio  
Barkow Aug G Mfg Co Inc 2230 S 43 St Milwaukee 46 Wisc  
Bariand Weatherstrip Material Co 1960 E 59th St Cleveland 3 Ohio  
Barnes Mfg Co 651 N Main Mansfield O  
Barnhardt Mfg Co PO Box 2176 Charlotte 1 NC  
Barreled Sunlight Paint Co Dept 19 PO Box 1365 Providence 1 RI  
Barrett Cravens Co 630 Dundee Rd Northbrook Ill  
Barrett Div Allied Chemical Corp 40 Rector St New York 6 NY  
Bauer Mfg Co Bowman St Wooster O  
Baughman Mfg Co Inc Shipman Rd Jerseyville Ill  
Baumgartner Gate Factory South Fifth St Manchester Iowa  
Baxter J H & Co 120 Montgomery St San Francisco Cal  
Bay State Abrasive Products Co Union St Westboro Mass  
Bayley William Co 1200 Warder St Springfield Ohio  
Beach Mfg Co Mill & High Montrose Pa  
Beadex Sales Inc 4615 Eighth Ave N W Seattle 7 Wash  
Beauti-Dor Inc 4723 N Pulaski Rd Chicago 30 Ill  
Beautycraft Kitchens Div Miller Metal Products 2215 Russell St Baltimore Md  
Beaver Advance Corp PO Box 792 Ellwood City Pa  
Behr-Manning Corp 933 Sidford St Troy NY  
Beiden Brick Co Canton 1 Ohio

Bell Electric Co 5735 S Claremont Chicago Ill  
Bell & Gossett Co 8200 N Austin Morton Grove Ill  
Bellkool Co Inc 531 N 8 St Milwaukee Wisc  
Belsaw Machinery Co 315 Westport Rd Kansas City 11 Mo  
Belson Mfg Co East River Rd N Aurora Ill  
Bel-Wood Mfg Co Ackerman Miss  
Bemis Mfg Co 304 Broadway Sheboygan Falls Wisc  
Bendix Mouldings Inc 192 Lexington Ave New York 16 NY  
Benjamin Electric Co Northwest Highway Des Plaines Ill  
Bennett-Ireland Inc 1151 Market St Norwich NY  
Bennett Lumber Corp Oliver & NYCRR N Tonawanda NY  
Bennett Mfg Co Railroad St Alden NY  
Berg F O Co N 318 Division St Spokane Wash  
Berg John Mfg Co 5319 S LaSalle St Chicago 9 Ill  
Berger C L & Sons 37 William St Boston  
Berger Insulation Co Inc 5920 Centre Ave Pittsburgh 6 Pa  
Berns Air King Corp 3050 N Rockwell St Chicago 18 Ill  
Berry Brothers 211 Leib St Detroit 7 Mich  
Berry Door Co 1173 Zonolite Rd N E Atlanta 6 Ga  
Bessam Engineering Co 2528 Overlook Rd Cleveland Heights 6 Ohio  
Besser Co Box 314 Alpena Mich  
Bessler Disappearing Stairway 1900 E Market St Akron 5 Ohio  
Bestile Mfg Co PO Box 71 Ontario Cal  
Bestwall Certain-Teed Sales Corp 120 E Lancaster Ave Ardmore Pa  
Bestwood Cedar Shingle Co Ltd Box 2042 Vancouver 3 BC  
Bethlehem Steel Co Bethlehem Pa  
Better-Bilt Door Co 950 Harbor Rd Egg Harbor City NJ  
Better Homes and Gardens 1716 Locust St Des Moines 3 Iowa  
Blanco Mfg Co 2736 Victor St Louis 4 Mo  
Biddle Co 608-624 S Main St Louis 2 Mo  
Bigelow-Sanford Carpet Co Inc 140 Madison Ave New York NY  
Bllice Co 37 Water St West Haven Conn  
Bil-Jax Inc 100 Wyse Rd Archbold Ohio  
Billbest Corp PO Box 37 Clarence Mo  
Binswanger & Co 207 N Main St Houston  
Bird & Son Inc East Walpole Mass  
Birge Co Inc 390 Niagara St Buffalo 1 NY  
Black Hills Clay Products Co Box 730 Belle Fourche SD  
Black & Decker Mfg Co 600 E Pennsylvania Towson 4 Md  
Black White Limestone Co Front & Eighth St Quincy Ill  
Blackstone Corp 1032-88 Allen St Jamestown NY  
Bliss Steel Prods Corp 617 W Manlius St E Syracuse NY  
Bloomington Limestone Corp 900 Walnut Box 44 Bloomington Ind  
Blue Ridge Glass Corp PO Box 631 Kingsport Tenn  
Blum Julius & Co Inc Carlstadt NJ  
Bedinson Mfg Co 2403 Bayshore Blvd San Francisco Cal  
Boice Crane Co 930 W Central Toledo O  
Bommer Spring Hinge Co Landrum SC  
Bonafide Mills Inc 295 Fifth Ave NYC  
Borden Chemical Co Div Borden Co 350 Madison Ave New York 17 NY  
Borg-Warner Corp Ingersoll Humphries Div 201 E 5th St Mansfield Ohio  
Boro Wood Prods Co Inc PO Box 636 Bennettsville SC  
Bostitch E Greenwich RI  
Bostrom-Brady Mfg Co 526 Stonewall St S W Atlanta 3 Ga  
Bostwick Steel Lath Co 1890 Griswold Dr Niles Ohio  
Bosworth Mfg Co 34250 Mills Rd Avon Ohio  
Bourne Products 900 Bourne Pl El Cajon Cal  
Bowerston Shale Co Box 155 Bowerston Ohio  
Bowser Inc 1335 W Randolph St Chicago  
Bradley Southern Div Pottach Forests Inc PO Box 390 Warren Ark  
Brainerd Mfg Co N Washington St E Rochester NY  
Brammer Mfg Co 1441 Rockingham Rd Davenport Iowa

Brandes Co 2046 Winnebago St Madison 4 Wisc  
 Braund Flywoods Inc 314 Wabeek Bldg Birmingham Mich  
 Briar Hill Stone Co Glenmont Ohio  
 Bridgeport Brass Co 30 Grand St Bridgeport 2 Conn  
 Bridgeport Hardware Mfg Corp Scofield Ave Bridgeport 5 Conn  
 Briggs Manufacturing Co 6600 E 15 Mile Rd Warren Mich  
 Brikerete Associates Inc Holland Mich  
 Brisch Brick Co 228 N LaSalle Chicago 1  
 Brixite Mfg Co Inc S Kearny NJ  
 Broan Mfg Co Inc 928 W State St Hartford Wisc  
 Brookhaven Pressed Brick Mfg Co Brookhaven Miss  
 Brookings Plywood Corp PO Box 1006 Brookings Ore  
 Brooks-Scanlon Inc Box 1111 Bend Ore  
 Brown Co 150 Causeway St Boston 14  
 Brown George C & Co Inc 1730 W Lee St Greensboro NC  
 Brown-Graves Co 191 E Miller Ave Akron 1 Ohio  
 Brown & Grist Inc 25 Tyler Ave Newport News Va  
 Brown Mfg Co 1940 Linwood Oklahoma City Okla  
 Brown Prods Co 1090 Springfield Union NJ  
 Brown Stove Works Inc PO Box 495 Cleveland Tenn  
 Brown W R Corp 2701 N Normandy Ave Chicago 35 Ill  
 Brownell Co 300 N Findlay St Dayton O  
 Bruce E L Co 1648 Thomas Box 397 Memphis 1 Tenn  
 Brule Incinerator Corp 13920 S Western Ave Blue Island Ill  
 Bryant Electrical Co 1421 State St Bridgeport 2 Conn  
 Bryant Mfg Co 2020 Montcalm St Indianapolis Ind  
 Buch Mfg Co 800 S Market St Elizabethtown Pa  
 Buckeye Window & Door Co 1378 S 22nd St Columbus 6 Ohio  
 Bucyrus-Erie Co S Milwaukee Wisc  
 Buffalo Forge Co 490 E'dway Buffalo NY  
 Buffalo Mfg Corp 150 Pine St Grays Lake Ill  
 Buffalo Wallcraft Co Inc PO Box 54 Buffalo 7 NY  
 Bugher Mfg Co 301 E Lincoln Rd Kokomo Ind  
 Builders Brick Co 3800 9th Ave S Seattle 8 Wash  
 Builders Fireplace & Supply 2604 Link Rd Houston Tex  
 Builders Mfg Co 528 N 37th Box 3007 Birmingham 12 Ala  
 Bulldog Electric Products Co 7610 Joseph Campau Detroit 32 Mich  
 Burgess Fastening Co 1220 9 St Cleveland 13 Ohio  
 Burgess-Manning Co 5970 Northwest Hwy Chicago Ill  
 Burgess Vibrocrafters Inc Grayslake Ill  
 Burnham Boiler Corp Irvington NY  
 Burnham Corp Berger Furnace Div Belle Vernon Pa  
 Burr Southern Corp of Calif 241 N Allen Pasadena Cal  
 Burroughs Corp 6071 2nd Blvd Detroit 32  
 Burroughs-Ross-Colville Co McMinnville Tenn  
 Burrows Corp 70 Free St Portland Me  
 Burt Mfg Co 44 E South St Akron 11 Ohio  
 Buschman E W Co Inc Clifton at Winton Pl Cincinnati 32 Ohio  
 Buss Machine Works Eighth & Eldon Sts Holland Mich  
 Butler Mfg Co 7400 E 13 St Kansas City 26 Mo  
 Byers A M Co Clark Bldg Pittsburgh Pa

C

C & H Air Conditioning Fan Co 1591-1623 Dekalb Atlanta Ga  
 C H & E Mfg Co 3849 N Palmer St Milwaukee 12 Wisc  
 C & H Electric Machine Co 436 W Juneau Ave Milwaukee 3 Wisc  
 C & H Supply Co Inc 1350 Chemical St Dallas Tex  
 Cabot Samuel Inc 1144 Oliver Bldg Boston 10 Mass

Cal Vent Mfg Co 1032 Gerhart Ave Los Angeles 22 Cal  
 Calbar Paint & Varnish Co 2612-26 N Martha St Philadelphia 25 Pa  
 Calcinator Corp 27th & Water Sts Bay City Mich  
 Calder Mfg Co 630 N Prince St Lancaster 12 Pa  
 Caldwell Mfg Co 68 Commercial St Rochester 14 NY  
 California Spray-Chemical Corp Lucas & Ortho Way Richmond Cal  
 Calnall Inc 1922 W Vliet St Milwaukee Wisc  
 Caloric Appliance Corp Topton Pa  
 Cambridge Tile Mfg Co Box 71 Cincinnati 15 Ohio  
 Camp Co Inc 6958 S State Chicago 21 Ill  
 Canadian Forest Prods Ltd 9110 Milton St Vancouver BC  
 Cannelton Sewer Pipe Co Fourth & Washington Cannelton Ind  
 Capilano Timber Co Ltd Box 2230 Vancouver BC  
 Capitol Products Co 1839 S Main Box 69 Jacksonville Ill  
 Capitol Products Corp Carlisle Pike Mechanicsburg Pa  
 Caradec Inc 11th & Jackson Dubuque Ia  
 Carbolineum Wood Preserving Co 6683 N 40th St Milwaukee 9 Wisc  
 Carborundum Co PO Box 337 Niagara Falls NY  
 Carey-McFall Co 2156 E Dauphin St Philadelphia 25 Pa  
 Carey Philip Mfg Co 320 S Wayne Cincinnati 15 Ohio  
 Carlon Products Corp 10225 Meech Ave Cleveland 5 Ohio  
 Carlyle Tile Co Box 128 Ironton Ohio  
 Carney Co Inc PO Box 28 Mankato Minn  
 Carpenter Oak Flooring Co 906 N 40 Box 3173 Birmingham Ala  
 Carrier Corp Carrier Pkwy Syracuse NY  
 Carrollton Mfg Co Sink Division Carrollton Ohio  
 Carter-Waters Corp 2440 W Pennway Kansas City Mo  
 Carthage Marble Corp Box 612 Carthage Mo  
 Cascade Lumber Co N Seventh & H Sts Yakima Wash  
 Cascade Pools 811 State Hwy 33 Hamilton Square NJ  
 Cascades Plywood Corp 1316 Pub Serv Bldg Fortland 4 Ore  
 Case J I Co 702 State St Racine Wisc  
 Case W A & Son Mfg Co 33 Main St Buffalo 3 NY  
 Casings Inc Drywall Trim Div 2408 N Farwell Ave Milwaukee 11 Wisc  
 Caterpillar Tractor Co Peoria Ill  
 Cauchotex Industries Inc 44 Whitehall St New York 4 NY  
 Cavalier Corp 341 W First St Chattanooga Tenn  
 Ceco Steel Prods Corp 5601 W 26 St Chicago 50 Ill  
 Cedar Supply Co Humptulps Wash  
 Cedarwood Timber Co Box 105 Vernonia Ore  
 Cellheat Inc 5212 Homberg Dr Knoxville Tenn  
 Celina Mfg Co Box 67 Celina Ohio  
 Cellarway Inc 3 Malden St Natick Mass  
 Celotex Corp 120 S LaSalle St Chicago 3  
 Cemex of Arizona 8949 Sunset Blvd Los Angeles 46 Cal  
 Central Foundry Co Foot of Pacific St Newark 5 NJ  
 Central Metal Strip Co 4343 N Western Ave Chicago 18 Ill  
 Centralia Plywood Inc PO Box 449 Centralia Wash  
 Century Fence Co Box 466 Waukesha Wis  
 Century Shake Mill Copalis Beach Wash  
 Ceresit Waterproofing Corp 3227 S Shields Ave Chicago 16 Ill  
 Cermak Tile Co Inc 4901 Brookpark Rd Cleveland 34 Ohio  
 Chain Belt Co 4701 W Greenfield Milwaukee 4 Wisc  
 Challenger Lock Co 4865 Exposition Blvd Los Angeles 16 Cal  
 Chamberlin Co of America 745 Fifth Ave New York 22 NY  
 Chambers Built-Ins Inc 2012 N Harlem Ave Chicago 35 Ill  
 Champion Dearthment Tool Co 1306-16 Main St Meadville 1 Pa

Champion Door Co 7106 Pomander Lane Chevy Chase 15 Md  
 Champion Mfg Co 2028 Washington Ave St Louis 3 Mo  
 Charles Machine Works 625-30 Birch Perry Okla  
 Charleston Clay Prods Co 1947 Saunders St Charleston 22 W Va  
 Chase Brass & Copper Co Inc 236 Grand St Waterbury 20 Conn  
 Chattanooga Royal Co First & Delmar Sts Chattanooga 6 Tenn  
 Chattanooga Wheelbarrow Co 1311 E Main St Chattanooga 2 Tenn  
 Chelsea Elevator Co 549 W 52 St NYC 19  
 Chelsea Fan & Blower Co Inc 639 S Ave Plainfield NJ  
 Chemical Products Div Darworth Inc 56 Maple St Simsbury Conn  
 Chemold Co 2000 Colorado Ave Santa Monica Cal  
 Cherokee Brick & Tile Co PO Box 58 Macon Ga  
 Cherokee Flooring Corp Box 566 Burlington NC  
 Chester-J & Sons Inc 41-49 Varick Ave Brooklyn 37 NY  
 Chester Packaging Prods Corp 694 Neperphan Ave Yonkers NY  
 Chester Prods Co Div Ranshoff Inc N Fifth & Ford Blvd Hamilton Ohio  
 Chevrolet Motor Div Gen Motors Gen Motors Bldg Detroit 2 Mich  
 Chicago Blower Corp 9867 Pacific Ave Franklin Park Ill  
 Chicago Bronze & Color Works 2637 W Grand Ave Chicago 12 Ill  
 Chicago Expansion Bolt Co 1338 W Concord Pl Chicago 22 Ill  
 Chicago Faucet Co 2700 22 N Pulaski Chicago 39 Ill  
 Chicago Fire Brick Co 1467 N Elston Chicago 22 Ill  
 Chicago Metal Strip Co 4521 N Clark St Chicago 40 Ill  
 Chicago Pneumatic Tool Co Six E 44 St New York 17 NY  
 Chicago Pottery Co 1920 N Clybourn Chicago 4 Ill  
 Chicago Pump Co 622 Diversey Pkwy Chicago 14 Ill  
 Chicago Spring Hinge Co 1500-62 Carroll Ave Chicago 7 Ill  
 Chickamauga Cedar Co Stevenson Ala  
 Chicopee Mills Inc Lumite Div 47 Worth St New York 13 NY  
 Childers Mfg Co 3620 W 11th St Houston Church C F Montgomery St Holyoke Mass  
 Cincinnati Iron Fence Co Inc 2101 Florence Ave Cincinnati 6 Ohio  
 Cincinnati Tool Co 1946 Waverly Ave Cincinnati 12 Ohio  
 Circle F Mfg Co 729 Monmouth St Trenton NJ  
 Circle Wire & Cable Corp 5500 Maspeth Ave Maspeth NY  
 Clad-Bex Corp Sub Simoniz Co 2101 S Indiana Ave Chicago 16 Ill  
 Clarge Fan Co 719 Porter St Kalamazoo Mich  
 Clark Door Co Inc 515 Hunterdon St Newark 8 NJ  
 Clark Equipment Co Construction Machinery Div Box 599 Benton Harbor Mich  
 Clark Equipment Co Indust Truck 241 St Battle Creek Mich  
 Clark J. R. Co Spring Park Minn  
 Clarke Floor Machine Co 30 E Clay Ave Muskegon Mich  
 Clay City Pipe Co Lock Drawer 272 Unrichville Ohio  
 Clay Equipment Corp Cedar Falls Iowa  
 Clayton & Lambert Mfg Co 1701 Dixie Hwy Louisville 10 Ky  
 Clayton Mark & Co 1900 Dempster St Evanston Ill  
 Clear Fir Sales Co PO Box 188 Springfield Ore  
 Clearview Dorwinds Corp 2625 Elm St Dallas 1 Tex  
 Cleveland Heater Co 2310 Superior Ave Cleveland 14 Ohio  
 Cleveland Quarries Co Amherst Ohio  
 Cleveland Steel Specialty Co 3779 E 91 St Cleveland 5 Ohio  
 Cleveland Tramrail Div Cleveland Crane & Engineering Co 5866 E 29th St Wickliffe Ohio  
 Cleveland Trencher Co 20100 St Clair Ave Cleveland 17 Ohio

Cleveland Wash Tray Mfg Co 13402 Glen-  
side Rd Cleveland 10 Ohio  
Clinton Metallic Paint Co Arthur St  
Clinton NY  
Clipper Mfg Co 2800 Warwick Kansas City  
Mo  
Clipay Corp Clipay Sq Cincinnati 14 O  
Closures Sales Corp 533 E Forest Ave  
Detroit 11 Mich  
Cloud Oak Flooring Co 1916 N Weller  
Springfield Mo  
Clyde Iron Works Inc 29th Ave & W Mich  
Duluth 1 Minn  
Coddington E D Mfg Co 5024 N 37 St  
Milwaukee 9 Wisc  
Coffing Hoist Div Duff-Norton 800 Walter  
St Danville Ill  
Coffman R G Co PO Box 1113 Orlando Fla  
Cole Mfg Co PO Box 2657 Memphis 2  
Tenn  
Cole Prods Corp PO Box 4182 Austin Tex  
Coleman Co 2nd & St Francis Wichita  
Kan  
Colonial Bronze Co Winsted Rd Torrington  
Conn  
Colonial Cedar Co 625 W Ewing St Seat-  
tle 99 Wash  
Colonial Fireplace 540 N Cicero Chicago  
Colonial Moulding & Frame Co Inc 928  
Broadway New York 10 NY  
Colonial Products Co Broad & Park Sts  
Dallastown Pa  
Colonna Angelo Inc Westmoreland &  
Boudinot Sts Phila 34 Pa  
Colorado Fuel & Iron Corp Continental  
Oil Bldg Denver 2 Colo  
Colorado Fuel & Iron Corp 575 Madison  
Ave New York 22 NY  
Colorado Metal Prod Corp 450 Kalamath  
St Denver Colo  
Colorcrete Industries Inc West 24th St  
Holland 1 Mich  
Colson Corp Elyria Ohio  
Columbia Brick Works 1320 S E Water  
Ave Portland 14 Ore  
Columbia-Geneva Steel Div US Steel 120  
Montgomery St San Francisco 6 Cal  
Columbia Metal Box Co 260 E 143 St NYC  
Columbia Mills Inc 129 W Onondaga St  
Syracuse 2 NY  
Columbia Southern Chem Corp 1 Gate-  
way Center Pittsburgh 22 Pa  
Columbia Valley Lumber Co Bellingham  
Wash  
Columbus Brass Specialty Co 791 S La-  
zelle St Columbus 6 Ohio  
Columbus Coated Fabrics Corp E Seventh  
& Grant Aves Columbus 16 Ohio  
Columbus Plastic Prods Inc 1625 W  
Mount St Columbus 23 Ohio  
Comfort Geo N Lumber Co 3592 Lee Rd  
Cleveland Ohio  
Comfort Products Inc PO Box 856 B  
Dallas 16 Tex  
Commander Doors Maple Ave Holmes Pa  
Commonwealth Lumber Corp Box 346  
Murphy NC  
Compo Miracle Products Co 15221 W 11  
Mile Rd Oak Park 37 Mich  
Concrete Equip Co 514 Ottawa Ave Hol-  
land Mich  
Concrete Weld Co G-5186 Coldwater Rd  
Flint 6 Mich  
Condensation Engineering Co 3511 W  
Potomac Ave Chicago 51 Ill  
Condon-King Co 1247 Rainier Ave Seattle  
44 Wash  
Congoleum-Naira Inc 195 Belgrove Dr  
Kearny NJ  
Connor Engineering Corp Shelter Rock  
Lane Danbury Conn  
Connor Lumber & Land Co 231 Thomas St  
Wausau Wisc  
Consolidated General Prod Inc PO Box  
7425 Houston Tex  
Consolidated Mach & Supply Co Ltd 2031  
Santa Fe Ave Los Angeles 21 Cal  
Consoweld Corp 700 Hooker St Wisc  
Rapida Wisc  
Construction Cost Institute Box 8788 Uni-  
versity Denver 10 Colo  
Construction Machinery Co 420 Vinton St  
Waterloo Iowa  
Contact Lumber Co 719 Corbett Bldg  
Portland 4 Ore  
Continental Can Co Conolite Dept 205 W  
14 St Wilmington Del  
Continental Pump Co 1027 S Vandeventer  
St Louis Mo  
Continental Radiant Glass Heating 1 E  
35 St New York 16 NY

Continental Screen Co 310 S Michigan  
Ave Chicago 4 Ill  
Continental Steel Corp 1109 S Main St  
Kokomo Ind  
Controls Co of America 2450 N 32 St  
Milwaukee Wisc  
Conver Steel & Wire Co 600 E 132 St  
New York 54 NY  
Cook A B Co Malvern Ark  
Cook F C & Co PO Box 6707 Towson 4 Md  
Cook Paint & Varnish Co 1412 Knox N  
Kansas City Mo  
Cookson Co 1525 Cortland Ave San Fran-  
cisco Cal  
Coolerater McGraw-Edison 704 N Clark  
St Albion Mich  
Coos Bay Timber Co Box 607 Coquille Ore  
Copco Steel & Engineering Co 14035  
Grand River Ave Detroit 27 Mich  
Copperweld Steel Co Glassport Pa  
Coppes Inc Nappanee Ind  
Corbin P & F Div American Hardware  
Corp 102 Washington New Britain Conn  
Corrulux Div L-O-F Glass Fibers Co PO  
Box 20026 Houston 6 Tex  
Corson G & W H Plymouth Meeting Pa  
Cortland Grinding Wheels Corp 1 Hunt-  
ington St Chester Mass  
Corvallis Plywood PO Box 411 Corvallis  
Ore  
Cox Arthur & Sons Inc 70 N Sycamore St  
Pasadena Cal  
Crab Orchard Stone Co Inc PO Box 238  
Crossville Tenn  
Craftsman Book Co of America 11975 San  
Vicente Blvd Los Angeles 49 Cal  
Craftwood Products 94 Stephen St Belle-  
ville NJ  
Crane Co 336 S Michigan Chicago 5 Ill  
Crane Fullview Glass Door Co 4616 N  
Clifton Ave Chicago 40 Ill  
Crane H W Co 150 N 9th St Maywood Ill  
Crawford Corp 2019 N Third Box 989  
Baton Rouge La  
Crawford Door Co 20263 Hoover Rd Det-  
roit 5 Mich  
Creo-Dipt Co Inc 986 Oliver St N Tona-  
wanda NY  
Cre-O-Tex Chemical Co 2670 Broad St  
Memphis 12 Tenn  
Cribben & Sexton Co 700 N Sacramento  
Chicago 12 Ill  
Croft Metal Products Inc McComb Miss  
Cromar Co Susquehanna St Williamsport  
Pa  
Cross Engineering Co Carbondale Pa  
Crossett Lumber Co Crossett Ark  
Crossly Window Corp 3550 N W 71 St  
Miami Fla  
Crown Rubber Co 1615 Crochan St Fre-  
mont Ohio  
Crown Tile Corp PO Box 564 Maddillon  
Ohio  
Crown Zellerbach Corp 343 Sansome St  
San Francisco 19 Cal  
Cucker Mfg Co Monticello Iowa  
Culligan Inc 1657 Shermer Ave North-  
brook Ill  
Cummins Portable Tools Div John Oster  
Mfg Co 5055 N Lydell Ave Milwaukee  
17 Wisc  
Cuppies Products Corp 2650 S Hanley Rd  
St Louis 17 Mo  
Curtis Companies American Plywood Div  
313 W Wolf River New London Wisc  
Curtis Companies Inc 1200 S Second Ave  
Clinton Iowa  
Curtis Mfg & Asbestos Co 29 Lewis Wharf  
Boston 10 Mass  
Curtiss Lighting Inc 6135 W 65 St Chicago  
Curtiss Wright Corp Curon Div 50 Rocke-  
feller Plaza NYC NY  
Curtitton Corp 2227 Sawtelle Blvd W Los  
Angeles Cal  
Cutler Hammer Inc 315 N 12 St Mil-  
waukee 1 Wisc  
Cutler Metal Prods Co 1025 Line St Cam-  
den NJ  
Cutrite Cedar Prods 1432 E Fourth St  
Port Angeles Wash  
Cyclone Fence Dept American Steel &  
Wire Div Box 260 Waukegan 1 Ill

## D

D & S Shingle Co Randle Wash  
Dad & Lad Co PO Box 285 New Lenox Ill  
Dalton Mfg Co 39 S Central Ave St Louis  
Damascus Steel Products Corp 2215 Kiah-  
waukee St Rockford Ill

Damp-Vent Co 210-17th St Box 203 Bet-  
tendorf Iowa  
Danbury Rubber Co Inc Shelter Rock Rd  
Danbury Conn  
Dant & Russell Inc 1320 S W Broadway  
Portland Ore  
Danuser Machine Co 500 E Third St  
Fulton Mo  
Daryl Products Corp 7240 N E Fourth Ave  
Miami Fla  
Dasec Co 1602 Thames St Baltimore Md  
Davidson Bros Co Ltd Silverdale BC  
Davidson Enamel Products Inc 1100 E  
Kibby St Lima Ohio  
Davis Prods Inc 1631 10th St Santa Monica  
Cal  
Day & Night Mfg Co 855 Anaheim-Puente  
Rd La Puente Cal  
Dayton Electric Mfg Co 126 S Oakley Blvd  
Chicago Ill  
Dayton Safety Ladder Co 2337 Gilbert  
Ave Cincinnati 6 Ohio  
Dayton Sure-Grip & Shore Co 504 Ker-  
cher St Miamisburg Ohio  
Dearborn Glass Co 6600 S Harlem Ave  
Bedford Park Ill  
Dearborn Stove Co 1700 W Commerce St  
Dallas Tex  
Debs Decorators Old Middleton Rd Madi-  
son Wisc  
Decatur Pump Co 2750 Nelson Pk Rd  
Decatur Ill  
Decro-Wall Corp 21 Saw Mill River Rd  
Yonkers NY  
Dee Clay Prod Co Inc Bloomingdale Ind  
Deer Park Pine Industry Deer Park Wash  
Deere John & Co 3300 River Dr Moline Ill  
Delco Appliance Div General Motors PO  
Box 230 Rochester 1 NY  
Del-Mar Cabinet Co Inc 2865 Gordon Rd  
S W Atlanta Ga  
Delta Co 333 West 24 Pl Chicago Ill  
Delta Faucet Div Masco Screw 12825 Ford  
Rd Dearborn Mich  
Deluxe Saw & Tool Co 510 E Main St  
Louisville Ky  
Del-Val Mfg Co 708 S Third St Phila Pa  
Deming Co 563 Broadway Salem Ohio  
Dempster Mill Mfg Co 711 South Sixth St  
Beatrice Neb  
Deniston Co 4856 S Western Ave Chicago  
Dennis W J & Co 4444 Irving Park Rd  
Chicago 41 Ill  
Design Technics 4 East 52 St NYC 22  
Designware Industries Inc 3721 50th Ave  
N Minneapolis Minn  
Desmond Bros Paint Co 1826 W 54 St  
Los Angeles 62 Cal  
Desmond-Stephan Mfg Co 425 S Walnut  
Urbana Ohio  
DeSoto Hardwood Flooring Co 977 Sledge  
Ave Memphis Tenn  
Detroit Hardware Mfg Co 27300 Groes-  
beck Hwy Roseville Mich  
Deuse E W Co Chester Conn  
Devac Inc 5901 Wayzata Blvd Minneapolis  
Minn  
Devices Inc Miracle Adhesives 250 Pettit  
Ave Bellmore LI NY  
Devilbiss Co 300 Phillips Ave Toledo 1 O  
Devoe & Reynolds Co Inc PO Box 1863  
Louisville Ky  
Dewalt Div AMF Fountain Ave Lancaster  
Pa  
Dewey & Almy Chemical Div W R Grace  
& Co 62 Whittemore Ave Cambridge 40  
Mass  
Dewey Portland Cement Co 4646 Roanoke  
Pkwy Kansas City 12 Mo  
Dexter Lock Div Dexter Industries 1609  
Madison S E Grand Rapids 2 Mich  
Diamond Expansion Bolt Co Inc 500 North  
Ave Garwood NJ  
Diamond Lumber Co 323 Pittcock Block  
Portland Ore  
Diamond T Motor Truck Co 4401 W 26 St  
Chicago 23 Ill  
Dick A B Co 5700 W Touhy Chicago 48 Ill  
Dick Brothers Inc Third & Buttonwood  
Reading Pa  
Dicks, Armstrong, Pontius Inc 5300 Hu-  
berville Ave Dayton Ohio  
Dickson Weatherproof Nail Co 1900  
Greenwood Ave Evanston Ill  
Diebold Inc 818 Mulberry Rd S E Canton  
2 Ohio  
Diehl Mfg Co 1185 Finnerne Ave Somer-  
ville NJ  
Dierks Forests Inc 810 Whittington Ave  
Hot Springs Ark

Dietzen Eugene Co 2425 N Sheffield Chicago 14 Ill  
 Diston Div H K Porter Co Inc Unruh & Milnor Sts Philadelphia 35 Pa  
 Division Lead Co 7742 W 61 Pl Summit Ill  
 Dixie Products Inc PO Box 475 Cleveland Tenn  
 Dixie Radiant Electric Heat Corp 66 11th St N E Atlanta 9 Ga  
 Dixon Joseph Crucible Co 167 Wayne St Jersey City 3 NJ  
 Dodge Bros Div Truck Plant 21500 Mound Rd Detroit Mich  
 Dodge Cork Co Inc Laurel & Manor Sts Lancaster Pa  
 Dodge F W Corp 119 W 40 St NYC 18  
 Dodson Mfg Co 1463 Barwise Wichita Kan  
 Donley Brothers Co 13910 Miles Ave Cleveland 5 Ohio  
 Donnelly Brick Co PO Box 1107 New Britain Conn  
 Donnelly-Kelley Glass Co 49 W Third St Holland Mich  
 Dooroscope Co 32 Union Sq NYC 3  
 Door-Oliver Beery Pl Stamford Conn  
 Dormalux Co 50 Mechanic Buffalo NY  
 Dormeyer Co Kingsbury St Chicago Ill  
 Dor-O-Matic Div Republic Industries Inc 7350 W Wilson Ave Chicago Ill  
 Dosch Mfg Co Delaware County Thornton Pa  
 Dotmar Industries Inc Hanselman Bldg Kalamazoo Mich  
 Douglas Crestlyn International Inc 3521 V St N E Washington 18 DC  
 Douglas Fir Plywood Co PO Box 215 Coquille Ore  
 Douglas & Sturgess 475 Bryant St San Francisco Cal  
 Douglass Mfg Corp Los Gatos Cal  
 Dow Chemical Co 1000 Main St Midland Mich  
 Dowagiac Steel Furnace Co 109 Beeson St Dowagiac Mich  
 Drain Plywood Co PO Box 98 Drain Ore  
 Dravo Corp Machinery Div Neville Island Pittsburgh 25 Pa  
 Drayson-Hanson Div Natl U S Radiator Corp 3301 Medford St Los Angeles 63  
 Dremel Mfg Co 2420 18 St Racine Wisc  
 Drott Mfg Corp 3126 S 27 St Milwaukee 15 Wisc  
 Du-All Scaffold Bracket Co 383 S Third St Columbus 15 Ohio  
 Dubuque Products Inc 311 Allen St Dyersville Iowa  
 Dukane Corp St Charles Ill  
 Dulaney Plywood Corp 1440 Commonwealth Blvd Louisville Ky  
 Dun & Bradstreet 99 Church St New York 8 NY  
 Dunham Bush Inc 179 South St West Hartford 10 Conn  
 Dunkirk Radiator Corp 85 Middle Rd Dunkirk NY  
 Dunn W E Co 415 W 23 St Holland Mich  
 Duo-Safety Ladder Corp 513 W 9 Ave Oshkosh Wisc  
 Duplex Hanger Co 5300 Lakeside Ave Cleveland 14 Ohio  
 DuPont de Nemours E I & Co Inc 1007 Market St Wilmington 98 Del  
 Durable Fir Lumber & Plywood Co Menlo Park Cal  
 Duraflex Co 3500 N W 52nd St Miami Fla  
 Durall Products Co Sixth Ave York Pa  
 Durrell Products Inc 3600 Airport Way Seattle 4 Wash  
 Durkee-Atwood Co 215 Seventh St N E Minneapolis 13 Minn  
 Duro Metal Products Co 2651 N Kildare Ave Chicago 39 Ill  
 Duronso Bros Shake Mill 4426 Alice St Bellingham Wash  
 Dur-O-Wal Div Cedar Rapids Block Co 650 12th Ave SW Cedar Rapids Iowa  
 Dwyer Products Corp Calumet & Holiday Michigan City Ind  
 Dyke Bros 309 Center Little Rock Ark

## E

E G Building Fasteners Corp 101 Park Ave New York 17 NY  
 Eagle Electric Mfg Co 23-10 Bridge Plaza S LIC NY  
 Eagle-Picher Co American Bldg Cincinnati 1 Ohio  
 Eagle Rule Mfg Corp 505 Hunts Point Ave New York 59 NY

Earle Hardware Mfg Co 447 Market St Kington Pa  
 Earle Kitchen Unit Co 116 E 63 St NYC  
 Earth Equip Corp 1409 S Santa Fe Los Angeles Cal  
 Easy Laundry Appliance Div Murray Corp 919 N Michigan Chicago Ill  
 Eclipse Plastics Industries PO Box 430 Sarasota Fla  
 Economy Forms 4301 E 14 St Des Moines Iowa  
 Edeco Prods Inc Polk Ave Hopkins Minn  
 Edwards Co Inc Post Hill Rd Norwalk Conn  
 Edwards Engineering Corp 101 Alexander Ave Pompton Plains NJ  
 Efron Theodore Mfg Co 7519 S Greenwood Ave Chicago 19 Ill  
 Egr Register Co 429 E Monument Dayton 2 Ohio  
 Elmco Corp 654 S Fourth W St Salt Lake City Utah  
 EJay Mfg Co 124 Boyd St Winsted Conn  
 Ekco Prods Co Bedford Canton Ohio  
 Ekstrom Carlson & Co 1431 Railroad Ave Rockford Ill  
 Elastic Step Nut Corp of America 2330 Vauxhall Rd Union NJ  
 Elastizell Corp of America 158 Fletcher St Alpena Mich  
 Electrend Products Corp Box 110 St Joseph Mich  
 Electro Prods Mfg Co 8310 N E Hwy 90 Vancouver Wash  
 Electromode Div Commercial Controls PO Box 1052 Rochester NY  
 Elgin Softener Corp 236 N Grove Ave Elgin Ill  
 Elgin-Standard Brick Mfg Co Box 546 Elgin Tex  
 Eliason Tool Co 6944 Pillsbury Ave Minneapolis Minn  
 Eljer Div Murray Corp of America 3 Gateway Center Pittsburgh 22 Pa  
 Elkay Mfg Co 1874 S 54 Ave Chicago 50  
 Elliott Addressing Machine Co 143 Albany St Cambridge 39 Mass  
 Elliott Bay Mill Co 600 W Spokane St Seattle 4 Wash  
 Elliott Paint & Varnish Co 4523 Fifth Ave Chicago 24 Ill  
 Embassy Steel Prods Inc 890 Stanley Ave Brooklyn 8 NY  
 Emco Cement Products Inc Birdsboro Pa  
 Emerson Electric Mfg Co 8100 Florissant Ave St Louis 21 Mo  
 Emerson-Pryne Co 140 N Towne Co Pomona Cal  
 Emerson Radio & Phone Corp 14 & Coles St Jersey City NJ  
 Empire Level Mfg Co 10930 W Potter Rd Milwaukee 13 Wisc  
 Empire Stone Co PO Box 77 Bloomington Ind  
 Empire Stove Co 918 Freeburg Ave Belleville Ill  
 Empress Brick-Service Co 5911 San Pedro Ave San Antonio 12 Tex  
 Emrick Inc 2515 Miller Rd Kalamazoo Mich  
 Engineered Prods 129 Smith St Flint Mich  
 Engis Equipment Co 431 S Dearborn St Chicago 5 Ill  
 Enterprise Co S Main St Columbiana Ohio  
 Erdle Perforating Co Inc 171 York St Rochester NY  
 Erie City Iron Works 1420 E Ave Erie Pa  
 Eiling Window 324 Wooster Rd N Barberton Ohio  
 Evans Products Co 13101 Eckles Rd Plymouth Mich  
 Evans Prods Co Hardboard Div Box 651 Corvallis Ore  
 Evans Rule Co 400-416 Trumbull Elizabeth NJ  
 Evercrete Corp 424 W 42 St NYC 18  
 Eveready Brikaw Co 1104 Union Ave Kansas City Mo  
 Everite Pump & Mfg Co Inc W Roseville Rd Lancaster Pa  
 Exchange Sawmills Sales Co R A Long Bldg Kansas City 6 Mo  
 Executone 415 Lexington Ave NYC 17  
 Extendoor Inc Commerce St Muskegon Mich  
 Extension Drawer Support Co 2319 W Washington Los Angeles 18 Cal  
 E-Z Set Windows Inc Box 13096 San Diego Cal  
 Ez-Way Sales Inc Box 300 St Paul Park Minn

## F

Fabricon Co 743 N Snelling Ave St Paul 4 Minn  
 Fabricon Prods 6430 E Slauson Los Angeles Cal  
 Fabrikona Inc East Taunton Mass  
 Fabrow Mfg Inc 7208 Douglas Rd Toledo 13 Ohio  
 Fair D L Lumber Co Box 309 Louisville Miss  
 Fairbanks Morse & Co 600 S Michigan Ave Chicago 5 Ill  
 Fansa Electric Co Inc 98 Berriman St Brooklyn 8 NY  
 Farley & Loetscher Mfg Co Seventh & White Sts Dubuque Iowa  
 Farwell Metal Fabricating 111 Fairfield Ave St Paul 7 Minn  
 Fasco Industries Inc 255 N Union St Rochester NY  
 Fastener Corp 3702 River Rd Franklin Park Ill  
 Fastway Fasteners Inc 1676 East 28 St Lorain Ohio  
 Fedders-Quigan Corp Loral & Hancock St Trenton NJ  
 Federal Boiler Co Inc Granite & West Sts Midland Park NJ  
 Federal Hardware Prods Inc 3456 N Washington Ave Minneapolis 12 Minn  
 Federal Pacific Electric Co 50 Paris St Newark 1 NJ  
 Federal Sign & Signal Corp 13500 S Western Ave Blue Island Ill  
 Federal Windows Mfg Co Inc 1319 Lincoln Ave Waukesha Wisc  
 Fenestra Inc 2250 E Grand Blvd Detroit  
 Fentran Industries Inc 2801 Market St Seattle 7 Wash  
 Ferguson Harry J Co 141 West Ave Jenkintown Pa  
 Flat Metal Mfg Co 9301 W Belmont Ave Franklin Park Ill  
 Fiberboard Paper Prods Inc 475 Brannan St San Francisco Cal  
 Fibresin Plastics Co Oconomowoc Wisc  
 Fiddes-Moore Co 3900 N Manheim Rd Franklin Park Ill  
 Filon Plastics Corp 2051 E Maple Ave El Segundo Cal  
 Findley F G Co 3033 W Pemberton Milwaukee Wisc  
 Finger Lakes Stone Co Inc Ellis Hollow Rd Ithaca NY  
 Finnell System 500 East St Elkhart Ind  
 Firestone Plastics Co 45 Rockefeller Plaza New York 20 NY  
 Firestone Tire & Rubber Co Porter Rd Pottstown Pa  
 Fir-Fine Prods PO Box 185 Orwego Ore  
 Fitzgerald M J Co 2815 W Villet St Milwaukee Wisc  
 Fitzgibbons Boiler Co 101 Park Ave NYC  
 Flash Bridge Co 783 S Washington Ave Holland Mich  
 Fleet of America Inc 2015 Walden Ave Buffalo 25 NY  
 Fleming & Sons Inc 1120 E Clarendon Dallas 8 Tex  
 Fletcher-Terry Co 437 South St Forestville Conn  
 Flexicore Co Inc 1932 E Monument Ave Dayton 1 Ohio  
 Flexrock Co 3601 Filbert St Phila Pa  
 Flinchbaugh-Murray Corp 66 N Murray Pl York Pa  
 Flinkote Co Box 2218 Los Angeles Cal  
 Flint A W Co 85 Lloyd New Haven Conn  
 Flint & Walling Mfg Co Inc 95 Oak St Kendallville Ind  
 Flintkote Co 30 Rockefeller Plaza NYC  
 Flush Wall Radio Co 1012 Cleveland St Clearwater Fla  
 Flynn Michael Mfg Co 700 E Godfrey Ave Philadelphia 24 Pa  
 Foley Mfg Co 3300 N E Fifth St Minneapolis Minn  
 Follansbee Steel Corp Follansbee W Va  
 Folmar R H Co 205 E Riverside Dr Austin Tex  
 Fond Du Lac Stone Co Inc Hwy 41 S Box 148 Fond Du Lac Wisc  
 Forbes Steel Corp Box 329 Cannonsburg Pa  
 Force-Flo Inc PO Box 2442 Cleveland O  
 Ford Motor Co Dearborn Mich  
 Ford Motor Co Tractor & Implement Div 2500 E Maple Rd Birmingham Mich  
 Fordyce Lumber Co Fordyce Ark

2

Forest Fiber Prods Corp Box 68 A B  
Forest Grove Ore  
Forks Shingle Co Forks Wash  
Form Co 1916 13th St Rockford Ill  
Forman-Ford & Co 111 S Second St  
Minneapolis Minn  
Formetal Inc 109 Water St Oak Harbor O  
Formica Corp 4611 Spring Grove Ave  
Cincinnati Ohio  
Formers Div Spray-O-Bond Co 2225 N  
Humboldt Milwaukee Wisc  
Forsberg Mfg Co 125 Seaview Ave Bridgeport  
1 Conn  
Fort Vancouver Plywood Co Vancouver  
Wash  
Forty-Eight Insulations Inc Thomas &  
McGee Sts Aurora Ill  
Fource Glass Co Union Natl Bank Bldg  
Clarkburg West Va  
Franklin Glass Corp PO Box 150 Butler  
Pa  
Franklin Plastics Inc 315 Grant St Frank-  
lin Pa  
Frantz Mfg Co 301 W Third Sterling Ill  
Freeman Doorjack Co Box 666 Painesville  
Ohio  
Fresh-and-Aire Div Cory Corp 3200 W  
Peterson Ave E Chicago 266 Ill  
Frick-Gallagher Mfg Co Inc S Michigan  
Ave Wellaton Ohio  
Friden Inc 2350 Washington San Leandro  
Cal  
Frigidaire Div General Motors Corp 300  
Taylor St Dayton 1 Ohio  
Frink Corp 211 63rd St Brooklyn NY  
Frost Forest Products Div Olin Mathliessen  
Chemical Corp PO Box 1125 Shreveport  
La  
Fry Lloyd A Roofing Co 5318 Archer Rd  
Summit Ill  
Fuller H B Co 255 Eagle St St Paul 2  
Minn  
Fuller Mfg Co 2 R R Dept AB4 Newhall  
Iowa  
Fuller W P & Co 301 Mission St San  
Francisco Cal  
Fulton Cotton Mills 170 Boulevard S E  
Atlanta Ga  
Fulton Glass Co Box 348 Hartford City  
Ind

**G**

Gaffers & Sattler 12611 S Crenshaw Blvd  
Hawthorne Cal  
Gagnon Clay Products Co 326 S Broad-  
way Green Bay Wisc  
Gairing Tool Co 21221 Hoover Rd Detroit  
Gallen AllSteel Body Co Gallon Ohio  
Galloway Lumber Co Clarksville Ark  
Gar Wood Industries Inc Wayne Mich  
Gardner-Denver Co Front St Quincy Ill  
Garlinghouse L F Co Inc Garlinghouse  
Bldg Topeka Kan  
Gate City Sash & Door Co 15 S W Third  
Ave Ft Lauderdale Fla  
Gates Mfg Co 415 W 11 St Indianapolis Ind  
Gates & Sons Inc 80 S Galapago Denver  
General Air Conditioning Corp 4542 E  
Dunham St Los Angeles Cal  
General Automatic Prods Corp 2300 Sin-  
clair La Baltimore Md  
General Bathroom Products Corp 1099 W  
Thomas St Chicago 22 Ill  
General Bronze Corp Stewart Ave Garden  
City LI NY  
General Cable Corp 420 Lexington NYC  
General Chrome Bridgman Mich  
General Clay Products Co 1445 W Goodale  
Blvd Columbus 8 Ohio  
General Concrete Products Inc 15025 Ox-  
nard Van Nuys Cal  
General Controls Co 801 Allen Ave Glen-  
dale 1 Cal  
General Door Co 133 Oak St West Bend  
Wisc  
General Electric Co Air Conditioning  
Dept Tyler Tex  
General Electric Co Apparatus Sales 1  
River Rd Schenectady 5 NY  
General Electric Co Appliance & Tele-  
vision Div Appliance Park Louisville 1  
Ky  
General Electric Co Circuit Prot Devices  
41 Woodford Ave Plainville Conn  
General Electric Co Construction Materi-  
als Div 1285 Boston Ave Bridgeport  
Conn  
General Electric Co Laminated Products  
Dept Conhocton Ohio

General Electric Co Large Lamp Dept  
Nela Park Cleveland 12 Ohio  
General Electric Co Wiring Device Dept  
95 Hathaway St Providence 7 RI  
General Engines Co Inc Route 130 Thoro-  
fare NJ  
General Gas Light Co 202 North Park St  
Kalamazoo Mich  
General Hardware Mfg Co Inc 80 White  
St New York 13 NY  
General Metalcraft Inc Olympia Div PO  
Box 57 Olympia Wash  
General Oak Flooring Co Box 249 Nacog-  
doches Tex  
General Plastics Corp 1400 N Washington  
Marion Ind  
General Plywood Corp 3131 W Market  
Louisville 12 Ky  
General Portland Cement Co 111 W Mon-  
roe St Chicago 3 Ill  
General Products Co Box 661 Fredericks-  
burg Va  
General Tire & Rubber Co Jeanette Pa  
General Tire & Rubber Co Building Materi-  
als Div 1706 Englewood Ave Akron  
Ohio  
General Water Heater Corp 1 E Magnolia  
Blvd Burbank Cal  
General Window Co 275 E 10th Ave Hia-  
leah Fla  
Geneva Modern Kitchens 201 S Eighth St  
Geneva Ill  
Genso Tools 1830 N Kostner Ave Chicago  
Geo-Optic Co 149 Church St NYC  
George F C Machine Co 100 S Westmore-  
land Orlando Fla  
Georgia Marble Co Tate Ga  
Georgia Pacific Corp Equitable Bldg  
Portland 1 Ore  
Georgia-Pacific Corp Olympia Wash  
Gerber Plumbing Fixtures Corp 232 N  
Clark St Chicago 1 Ill  
Gering Products Inc N 7th & Monroe  
Kenilworth NJ  
Gerrard A J & Co 1950 Hawthorne Sq  
Melrose Park Ill  
Gerwin Industries 214 Spring Michigan  
City Ind  
Getman Brothers Box 71 South Haven  
Mich  
Getty H S & Co Inc 3348 N 10 St Phila-  
delphia 40 Pa  
Gibson Refrigerator Co 515-615 W Wil-  
liams Greenville Mich  
Gifford-Wood Co 23 Hill St Hudson NY  
Gilbert & Barker Mfg Co Cold Springs  
Ave W Springfield Mass  
Gilbert & Bennett Mfg Co 600 Miller Ave  
Georgetown Conn  
Giles & Kendall PO Box 961 Huntsville  
Ala  
Gillen J L Co 12202 Wormer Ave Detroit  
Gilman Bros Co 109 Main St Gilman Conn  
Gilson Bros Co Box 245 Fredonia Wisc  
Giustina Bros Lumber Co Box 989 Eugene  
Ore  
Gladding Bros Mfg Co Third & Keyes  
San Jose 3 Cal  
Gladding McBean & Co 2901 Los Feliz  
Blvd Los Angeles Cal  
Glamour Glass Wal-Dor Corp 3040 W  
Lawrence Ave Chicago 30 Ill  
Glassier Co 307 Sixth St Braddock Pa  
Glass Shower Door Co Inc 105 W Wacker  
Chicago Ill  
Glidden Co 900 Union Commerce Bldg  
Cleveland 14 Ohio  
Glide Windows Inc 7463 Varna Ave N  
Hollywood Cal  
Glasade Inc 1437 Bushwick Ave Brook-  
lyn 7 NY  
Globe Paint Works Inc PO Box 36 Wil-  
liamsport 5 Pa  
Globe Roofing Products Co Inc 2207  
Schrage Whiting Ind  
Goder Joseph Inc 4241 N Honore St Chi-  
cago 13 Ill  
Goldblatt Tool Co 1942 Walnut St Kansas  
City Mo  
Goldsmith Metal Lath Co 4501 Chickering  
Cincinnati Ohio  
Goodall Rubber Co Inc 427 Whitehead Rd  
Trenton NJ  
Goodman Lumber Div Calumet & Hecla  
Inc Goodman Wisc  
Goodrich B F Co 36 Nichols Ave Water-  
town 72 Mass  
Goodrich B F Industrial Products Co  
Marietta Ohio  
Goodwin of Calif Inc 1075 Second St  
Berkeley 10 Cal

Goodyear Tire & Rubber Co 1144 E Mar-  
ket St Akron Ohio  
Gordon Mfg Co Farmington Conn  
Gorman-Rupp Co 305 Bowman St Mans-  
field Ohio  
Goshen Churn & Ladder Inc 1930 Estes  
Blvd Goshen 4 Ind  
Goshen Sash & Door Co East Purl Goshen  
Ind  
Goss J C Co 2941 E Jefferson Detroit 7  
Goulds Pumps Inc 240 Fall St Seneca  
Falls NY  
Grabler Mfg 6565 Broadway Cleveland O  
Graham Industries Inc 6901 Carnegie  
Cleveland 3 Ohio  
Graham John H & Co 105 Duane St NYC 7  
Granco Steel Prods Co 6506 Broadway  
St Louis Mo  
Grand Haven Stamped Products Co Grif-  
fin & Madison St Grand Haven Mich  
Grand Rapids Brass Co 420 W 50 St S W  
Grand Rapids Mich  
Grand Rapids Hardware Co 560 Eleventh  
St N W Grand Rapids 2 Mich  
Grand Rapids Plaster Co 60 Monroe Ave  
N W Grand Rapids 2 Mich  
Grand Specialties Co 3101 W Grand Ave  
Chicago 22 Ill  
Granite City Steel Co 20th & Madison  
Granite City Ill  
Grant Pulley & Hardware Corp High St  
West Nyack NY  
Gray & Dudley Co 2300 Clifton Rd Nash-  
ville Tenn  
Gray Lumber & Shingle Co Box 812  
Seattle Wash  
Graybeal C E & Sons PO Box 8 Roan  
Mountain Tenn  
Grays River Shake Co PO Box 776 Grays  
River Wash  
Graystone Inc 134 Nickerson St Seattle 9  
Wash  
Great American Industries Bedford Va  
Great Lakes Carbon Corp Perlite Div 612  
S Flower Los Angeles 17 Cal  
Great Northern Mfg Corp 1056 N Wood  
St Chicago 22 Ill  
Green A F Fire Brick Co 1108 E Brecken-  
ridge Mexico Mo  
Greenlee Tool Co 2136 Twelfth St Rock-  
ford Ill  
Gress & Son Inc 25 Crown St Nashua NH  
Griffin Mfg Co 1515 Cherry St Erie Pa  
Griffin Wellpoint Corp 881 E 141 St New  
York NY  
Griffith Lumber Co 917 Chafin Bldg Hunt-  
ington W Va  
Grillcraft Co 477 E 7th St Paul Minn  
Grinding & Polishing Mach Corp 2530  
Winthrop Ave Indianapolis 5 Ind  
Grinnell Sash & Door Co Marion Ill  
Grisom-Rakestraw Lumber Burnside Ky  
Grote Mfg Co Lafayette & Grandview  
Bellevue Ky  
Guildcrest Corp 2938 W 63rd St Chicago  
Gyro Brass Mfg Corp 51 Urban Ave West-  
bury LI NY  
Gypsum Ceiling Jack Co 967 2nd Ave

**H**

H & M Cabinet Service 802 E Fifth  
Auburn Ind  
H-F Products Inc 510 W Broad St Louis-  
ville Ohio  
H-Brace Inc 3930 NW 25 St Miami 42 Fla  
Habitant Fence Inc Bay City 18 Mich  
Hachmeister-Inc PO Box 357 Pittsburgh  
30 Pa  
Hager C & Sons Hinge Mfg Co 139 Victor  
St St Louis 4 Mo  
Hall Level & Mfg Works 1119 E Fourth  
St Austin Tex  
Hall-Mack Co 1380 W Washington Los  
Angeles 7 Cal  
Halstead & Mitchell Bessemer Bldg Pitts-  
burgh 22 Pa  
Hanco 44 Kendall St New Haven Conn  
Hamilton Mfg Co 1316 18 St Two Rivers  
Wisc  
Hamlin Prods Inc 7523 Asher Ave Little  
Rock Ark  
Hanchett Mfg Co 906 N State St Big  
Rapids Mich  
Handley-Brown Heater Co 2101 Brook-  
lyn Rd Jackson Mich  
Handy Things Mfg Co N Rowe St Lud-  
ington Mich  
Hanley Co 1 Gateway Center Pittsburgh  
22 Pa

**Hanover Wire Cloth Div Cont Copper & Steel** East Middle St Hanover Pa  
**Harbor Plywood Corp** Box 940 Aberdeen Wash  
**Hardel Mutual Plywood Corp** Olympia Wash  
**Hardware Products Inc** 806-812 126 St Reading Pa  
**Hardwick & Magee Co Seventh & Lehigh** Sts Philadelphia Pa  
**Hardwick Stove Co** 240 Edwards St Cleveland Tenn  
**Hardwood Corp of America** PO Box 1091 Asheville NC  
**Hardwood Products Corp** PO Box 191 Neenah Wisc  
**Harloc Products Corp** 680 Campbell Ave West Haven Conn  
**Harris Inc** 200 E Long St Columbus Ohio  
**Harris Hardwood Co Inc** Box 2320 Roanoke Va  
**Harris L C Cedar Ltd** Box 725 Abbotstford BC  
**Harris Mfg Co** 434 E Walnut St Johnson City Tenn  
**Harrison Steel Cabinet Co** 4718 W Fifth Ave Chicago 44 Ill  
**Harrisville Brick Co** PO Box 447 Ogden Utah  
**Hart & Cooley Mfg Co** 500 E Eighth St Holland Mich  
**Hartford Clamp Co** 466 Park Ave E Hartford 8 Conn  
**Hartmeister Mfg Inc** 1544 Lowell Blvd Denver 4 Colo  
**Harvey Aluminum** 19200 S Western Torrance Cal  
**Haskellite Mfg Corp** 701 Ann St N W Grand Rapids Mich  
**Hasslett Chute & Conveyor Co** 717 Brower Ave Oaks 1 Pa  
**Hassall John Inc** PO Box 2166 Westbury LI NY  
**Hassell & Parkes Inc** Trout La Michigan Hastings Mich  
**Hattiesburg Brick Works** Hattiesburg Miss  
**Hauserman E F Co** 6800 Grant Ave Cleveland 5 Ohio  
**Haven-Busch Co** 3443 Chicago Dr S W Grandville Mich  
**Hawkeye Industries** 820 Vivian St Longmont Colo  
**Hawkeye Sales Co** 15-16 Mt Vernon Rd SE Cedar Rapids Iowa  
**Haws Drinking Faucet Co** Fourth & Page Sts Berkeley 10 Cal  
**Hayes Adhesives Co Inc** 4159 Union Blvd St Louis 15 Md  
**Haynes O E & Sons Inc** Box 234 Eatonville Wash  
**Hearthaire Conditioning Co** 3126 Scarborough Cleveland Ohio  
**Heatmore Inc** 651 Driggs Ave Brooklyn 11  
**Hedges M M Mfg Co Inc** 700 E Main St Chattanooga Tenn  
**Hell-Quaker Corp** 647 Thompson Lane Nashville 4 Tenn  
**Heilig Bros Co** Ogontz St & PRR York Pa  
**Heinemann Saw Corp** 2017 Navarre Rd S W Canton 6 Ohio  
**Heinleys Movable Shutters** 2211 Michigan Ave Santa Monica Cal  
**Heller Tool Co** Heller Dr Newcomertown Ohio  
**Heller W C & Co** 1050 Bryant St Montpelier Ohio  
**Hendrick Mfg Dundaff St** Carbondale Pa  
**Henry Furnace Co** Medina Ohio  
**Henry Mfg Co Inc** 1700 N Clay St PO Box 521 Topeka Kans  
**The W W Henry Co** 5731 Bickett St Huntington Park Cal  
**Heppner Sales Co** Round Lake Ill  
**Hercules Fastener Co** 2720 N Clybourn Ave Chicago 14 Ill  
**Hess Co** 1855 S 54 Ave Chicago 50 Ill  
**Hess Mfg Co** Quincy Pa  
**Hettrick W E & Son Co** 3333 Maple Station D Toledo 8 Ohio  
**Hewitt-Robbins Inc** 666 Glenbrook Rd Stamford Conn  
**Hico Corp of America** 120 Broadway NYC  
**Higbie Mfg Co** Avon Tube Div Third & Water St Rochester Mich  
**Higgins Industries Inc** PO Box 8169 New Orleans La  
**Hild Floor Machine Co Inc** 1217 W Washington Chicago 7 Ill  
**Hill Mfg Co** 333 N River St Batavia Ill

**Hillwood Mfg Co** 21700 St Clair Ave Cleveland 17 Ohio  
**Hillyer-Deutsch-Edwards Inc** Oakdale La  
**Hilti Rapid Fastening Systems Inc** 73 Southfield Ave Stamford Conn  
**Hines Edward Lumber Co** 2431 S Wolcott St Chicago 8 Ill  
**Hirsch S A Mfg Co** 8051 N Central Park Skokie Ill  
**Hobart Mfg Co** 711 Pennsylvania Troy O  
**Hoe R & Inc** 910 East 138 St NYC 54  
**Hoffce Cedar Prods Rt 2** Box 149-B Monroe Wash  
**Hoffman Specialty Mfg Corp** 1700 W 10 St Indianapolis 7 Ind  
**Holtzman Adjustable Scaffold Bracket Co** 261-265 E 23 St Paterson 4 NJ  
**Holcomb & Hoke Mfg Co Inc** 1545 Van Buren Indianapolis 7 Ind  
**Hollaender Mfg Co** 3841 Spring Grove Cincinnati 23 Ohio  
**Holland Furnace Co** Holland Mich  
**Holland Ladder & Mfg Co** 13053 West 17 St Holland Mich  
**Holly-General Co** 875 S Arroyo Pkwy Pasadena Cal  
**Hollyview Aluminum Sliding Glass Doors & Windows** 13060 Saticoy St N Hollywood Cal  
**Holmes Eureka Lumber Co** 235 Montgomery St San Francisco Cal  
**Holms Mfg Co of Ohio** 1340 Lake Shore Blvd Akron 1 Ohio  
**Holophane Co** 342 Madison Ave NYC  
**Holt Mfg Co** 669 20 St Oakland 12 Cal  
**Homasote Co** Fernwood Rd Trenton NJ  
**Home Building Plan Service** 2454 N E Sandy Blvd Portland 12 Ore  
**Home Comfort Mfg Co** 3300 N E Adams St Peoria Ill  
**Home Music Systems Inc** 644 Madison St Memphis Tenn  
**Home Plan Book Co** 1596 Selby Ave St Paul 4 Minn  
**Home Planners Inc** 16310 Grand River Detroit 27 Mich  
**Home of the Week Plan Service** 87 Weybosset St Providence 6 RI  
**Homelite Div Textron Inc** 67 Riverdale Ave Port Chester NY  
**Hood Bros** 4336 Orchard St Phila 24 Pa  
**Hood Mifflin B Co** Daisy Tenn  
**Hoosier Tarpaulin & Canvas Goods Co** PO Box 574 Indianapolis Ind  
**Hope Brick Works** PO Box 155 Hope Ark  
**Hopes Windows Inc** 84 Hopkins Ave Jamestown NY  
**Hookins Mfg Co** Emporia Kans  
**Horn A C Companies Div Sun Chemical Corp** 750 Third Ave New York 17 NY  
**Horner Flooring Co** Box 104 Dollar Bay Mich  
**Horton Mfg Co** PO Box 747-B Goldthwaite Tex  
**Hosking John H Co** 1704 Howland Ave Cincinnati Ohio  
**Hotpoint Co** 5600 W Taylor St Chicago 44  
**Hotstream Heater Co** 2363 E 69 St Cleveland 4 Ohio  
**Hough Frank G Co** The 811 Sunnyside Ave Libertyville Ill  
**Hough Mfg Co** 1029 S Jackson St Janesville Wisc  
**Howard Mfg Co** Kent Washington  
**Howell Mfg Co** Morehall Rd Paoli Pa  
**Howes S M Inc** 387 Oliver St Fall River Mass  
**Hubbell Harvey Inc** State & Bostwick Bridgport 5 Conn  
**Hudson H D Mfg Co** 587-91 E Illinois Chicago 11 Ill  
**Hulbert Wm Mill Co** PO Box 1111 Everett Wash  
**Humboldt Brick & Tile Co** 910 New York St Humboldt Kan  
**Humphrey Products Inc** 719 E Zimmerman Wichita Kan  
**Humpstulls Shingle Co** Rt 1 Box 158 Humpstulls Wash  
**Hunter Douglas Alum Corp** 405 Lexington Ave New York 17 NY  
**Hunter Div-Robbins & Myers Inc** 2500 Frisco Ave Memphis Tenn  
**Huntington Shingle Co** Springfield Ore  
**Hurn Shingle Co** Rt 1 Concrete Wash  
**Hussey C G & Co** 2860 Second Ave Pittsburgh 19 Pa  
**Huther Bros Saw Mfg Co Inc** 1290 University Rochester 7 NY  
**Hyde-Murphy Co** Murphy Bldg Ridgway Pa

**Hyde Park Products Co** Burch Ave & N&WRR Cincinnati 8 Ohio  
**Hydraulic Prods** 18538 Mac Ave Detroit  
**Hydraulic Mfg Co** Kiel Wisc  
**Hydrolevel** 53 De Soto Ave Ocean Springs Miss  
**Hydrotherm Inc** Clinton Ave Northvale NJ  
**Hypro Engineering Inc** 700 39th Ave N E Minneapolis 21 Minn  
**Hyster Co** 2903-18 N E Clackamas St Portland 8 Ore

2

**The I-XL Furniture Co** 410 N Main St Goshen Ind  
**Ida Products Co** 1909 E Forest Ave Detroit Mich  
**Ideal Brass Works Inc** 250 East Fifth St St Paul 1 Minn  
**Ideal Cement Co** 500 Denver Natl Bldg Denver 2 Colo  
**Ideal Hanger Co** 1292 E 53 Cleveland O  
**Ideal Mfg Co Div Wm Cameron & Co** 24th & Mary Sts Waco Tex  
**Ideal System Co** 2437 W Pico Blvd Los Angeles 6 Cal  
**Ideal Vent Div Craig-Nevens** 605 Summer St Abington Mass  
**ILG Electric Ventilating Co** 2850 N Pulasaki Rd Chicago 41 Ill  
**Illinois Brick Co** 228 N LaSalle St Chicago Ill  
**Imperial Lighting Products Co** Box 427 Latrobe Pa  
**Imperial Paper & Color Corp** PO Box 231 Glens Falls NY  
**Incineration Div Bowser Inc** 4209 Sycamore St Cairo Ill  
**Incinerator Prods Co** 633 Post Ave Detroit Mich  
**Inclinator Co of America** 2200 Paxton Blvd Harrisburg Pa  
**Independence Oak Flooring Co** Independence La  
**Independent Lock & Hardware Co** 1950 Ciegorn Fitchburg Mass  
**Independent Lumber Co** 19620 Nottingham Cleveland Ohio  
**Independent Nail & Packing Co** Bridgewater Mass  
**Indiana Cass Drawer Co** Shelbyville Ind  
**Indiana Limestone Co Inc** 405 N First St Bedford Ind  
**Industrial Canvas Prods Corp** 15-25 Flax St Delaware Ohio  
**Industrial Iron Works** PO Box 4625 Portland 2 Ore  
**Industrial Prods Co Inc** Boswell St Mt Pleasant Tenn  
**Infra Insulation Inc** 525 Broadway NYC  
**Ingersoll Prod Div Borg-Warner** 1000 W 120 St Chicago Ill  
**Ingersoll-Rand Co** 11 Broadway NYC 4  
**Ingram-Richardson Mfg Co** 32 St Beaver Falls Pa  
**Inland Steel Co** 30 W Monroe St Chicago  
**Inland Steel Products Co** 4025 West Burnham Milwaukee 1 Wisc  
**In-Sink-Erator Mfg Co** 1225-14th St Racine Wisc  
**Insta-Matic Heater Co** 89 Charles St Providence RI  
**Insto-Gas Corp** 998 E Woodbridge Detroit  
**Insulation Industries Inc** 100 East 69 St Cincinnati 16 Ohio  
**Insulite Co** 500 Investors Bldg Minneapolis Minn  
**Insul-Wool Insulation Corp** 121 N Dodge Wichita 12 Kan  
**International Business Machines Corp** 590 Madison Ave New York 22 NY  
**International Chemical Co Inc** 3140 S Canal St Chicago 16 Ill  
**International Fireproof Door Co** 76 Lexington Ave Brooklyn 38 NY  
**International Harvester Co** 180 N Michigan Chicago Ill  
**International Molded Plastics** 4387 W 35 St Cleveland 9 Ohio  
**International Nickel Co** 67 Wall St NYC  
**International Oil Burner Co** 3800 Park Ave St Louis 10 Mo  
**International Paper Co Long-Bell Div** 928 Grand Ave Kansas City 6 Mo  
**International Register Co** 2620 W Washington Chicago Ill  
**International Steel Co** 1321 Edgar St Evansville 7 Ind

International Swimming Pool Corp Federal Savings Bldg White Plains NY  
Interstate Brick Co 3100 S 11 East Salt Lake City Utah  
Ipk Door Co Inc Kenner La  
Irmanton Products Co 70-70 80th St Glendale 27 NY  
Ironrite Inc Mt Clemens Mich  
Irvington Form & Tank Co 100 William St New York 38 NY  
Irwin Auger Bit Co Wilmington Ohio  
Ives H B Co 5 Artizan St New Haven 8 Conn

**J**

J M J Industries Inc PO Box 283 Belleville Ill  
Jackson & Church Div York Shipley Inc PO Box 349 York Pa  
Jackson Mfg Co 2303 W Fairview Ave Montgomery Ala  
Jackson Mfg Co Lochiel Rd Harrisburg Pa  
Jackson Shake Co Moclips Wash  
Jackson Vibrators Inc Jackson St Ludington Mich  
Jacuzzi Bros Inc 5327 Jacuzzi Ave Richmond Cal  
Jaeger Machine Co 550 W Spring St Columbus Ohio  
James Mfg Co Inc 1024 W Sycamore Independence Kan  
Janesville Cotton Mills 100 E 60th St Cincinnati 16 Ohio  
Janesville Cotton Mills 220 N Franklin St Janesville Wis  
Janitrol Heating & Air Conditioning Surface Combustion Corp 400 Dublin Ave Columbus 16 Ohio  
Jasco Aluminum Products 31 Nassau Terminal Rd New Hyde Park NY  
Jasper Wood Products Co Inc 13th & Leopold Sts Jasper Ind  
Jay Co Div Leukart Mach Co Inc 2222 S Third St Columbus 7 Ohio  
Jay Lighting Mfg Co Inc 25 Quincy St Brooklyn 38 NY  
Jeffery Form Tie Co Marengo Ill  
Jenkins Brick Co Box 91 Montgomery Ala  
Jenkins Lumber & Mfg Co 4120 S First Ave Birmingham Ala  
Jensen-Thorsen Corp 239 Interstate Rd Addison Ill  
Jerrold Electronics Corp 15th & Lehigh Sts Phila 32 Pa  
Jet Tool Inc Box 547 Lemon Grove Cal  
Jewel Paint & Varnish Co 345 N Western Ave Chicago 12 Ill  
Joanna Western Mills Co 22nd & Jefferson Chicago 16 Ill  
Johns-Manville Corp 22 E 40 St NYC 16  
Johns-Manville Dutch Brand Div 7800 Woodlawn Ave Chicago 19 Ill  
Johnson C S Co PO Box 71 Champaign Ill  
Johnson & Johnson Shake Co Box 989 Castle Rock Wash  
Johnson Plastics Corp Box 100 Chagrin Falls Ohio  
Johnson S C & Son Inc 1525 Howe St Racine Wis  
Johnson S T Co 940 Arlington Ave Oakland 8 Cal  
Jones & Brown Inc 330 Grant Bldg Pittsburgh 19 Pa  
Jones & Laughlin Steel Corp 401 Liberty Ave Pittsburgh Pa  
Jones Roof Structures Inc Rt 1 Hwy 20 Boise Idaho  
Jones Shutter Products 246 N W 29 St Miami Fla  
Jordan Industries 3030 N W 75 St Miami Fla  
Junior-Pro Prods Co 3206 Morganford Rd St Louis Mo  
Just Mfg Co 9233 King Ave Franklin Park Ill

**K**

Kaar Engineering Corp 2995 Middlefield Rd Palo Alto Cal  
Kaiser Aluminum & Chemical Corp 1924 Broadway Oakland Cal  
Kaiser Aluminum & Chemical Sales Inc 919 N Michigan Ave Chicago 11 Ill  
Kaiser Gypsum Co Inc 1924 Broadway Oakland Cal  
Kaiser Metal Prods Inc Radcliffe & Monroe Bristol Pa

Kaiser Steel Corp 1924 Broadway Oakland 12 Cal  
Kalamazoo Tank & Silo Co 508 Harrison St Kalamazoo Mich  
Kane Mfg Corp PO Box 641 Kane Pa  
Kant-Slam Door Check Co Box 228 Bloomfield Ind  
Karyall Body Inc 8221 Clinton Rd Cleveland 9 Ohio  
Katolight Corp Box 891 Mankato Minn  
Kaul Clay Co Spring St PO Box 628 Toronto Ohio  
Kaustine Furnace & Tank Co 1482 Washington Ave Perry NY  
Kawneer Co 1105 N Front St Niles Mich  
Kay-Tite Co 10 White St West Orange NJ  
Keasbey & Mattison Co 1944 Mitchell St Ambler Pa  
Kedman Co 233 S 5 West St Salt Lake City Utah  
Kees F D Mfg Co 700 Park Ave Beatrice Neb  
Kelco Div Wells Aluminum Corp North Liberty Ind  
Kelvinator Div American Motors Co 14250 Plymouth Rd Detroit 32 Mich  
Kenco Mfg Co 5211 Telegraph Rd Los Angeles 22 Cal  
Kenco Pump Division 1305 Oberlin Ave Lorain Ohio  
Kendrick Brick & Tile Co 3235 S Boulevard Charlotte NC  
Kennatrack Corp Subsidiary Ekco Prods PO Box 677 Elkhart Ind  
Kennebec Inc Owens St Bingham Me  
Kennebott Copper Corp 161 E 42 St NYC  
Kennedy Car Liner & Bag Co 8000 Prospect Ave Shelbyville Ind  
Kent Co Inc 351 Canal St Rome NY  
Kentile Inc 58 Second Ave Brooklyn 15  
Kentucky Flooring Co Orange Va  
Kerner Incinerator Div 80 Fifth Ave New York 11 NY  
Kesko Prods Inc PO Box 277 Bristol Ind  
Kessler Products Co 4521 Lake Park Rd Youngstown Ohio  
Ketcham G M Mfg Corp 70-70 80th St Glendale 27 NY  
Kett Tool Co 5055 Madison Rd Cincinnati 27 Ohio  
Keuffel & Esser Co 300 Adams St Hoboken NJ  
Kewanee Mfg Co 1642 Burlington Ave Kewanee Ill  
Keystone Alloys Co Mellon Natl Bank Bldg Latrobe Pa  
Keystone Frame & Mfg Co PO Box 35 Spokane Wash  
Keystone Mfg Co 23328 Sherwood Ave Warren Mich  
Keystone Steel & Wire Co 7000 S Adams Peoria 7 Ill  
Keystone Wire Cloth Co Factory St Hanover Pa  
Kiefer International Products Co Div 240 Front Ave S W Grand Rapids Mich  
Kimball Mfg Co 816 University Pl Evanston Ill  
Kimberly-Clark Corp 128 N Commercial Neenah Wis  
Kimbly Glass Co Subsidiary Owens-Illinois PO Box 1035 Toledo 1 Ohio  
King E & F & Co Inc 640 Pleasant St Norwood Mass  
King Lumber Industries Canton Miss  
King Mfg Co 3146 W Chicago Ave Chicago Ill  
Kingsford Ornamental Building Prods PO Box 9536 Pittsburgh 23 Pa  
Kingston Mills Inc Cartersville Ga  
Kinkead Industries Inc 5860 N Pulaski Rd Chicago 30 Ill  
Kinnear Mfg PO Box 598 Columbus O  
Kirk Plastics Co 170 E Jefferson Los Angeles Cal  
Kirlin Co 3435 E Jefferson Detroit 7 Mich  
Kirsch Co Sturgis Mich  
Kitchen Kompact Inc 1301 W Main St Louisville Ky  
Kitchen Maid Corp 541 Snowden Andrews Ind  
Klauser Mfg 9th & Wash Dubuque Iowa  
Kleasons Inc Robertsville Ohio  
Knape & Vogt Mfg Co 658 Richmond N W Grand Rapids 4 Mich  
Knapp Bros Mfg Co 9000 Shell Rd Cincinnati 36 Ohio  
Kochton Plywood & Veneer Co Inc 509 W Roosevelt Chicago 7 Ill  
Koehring Co 3026 W Concordia Milwaukee Wis

Kohler Co 44 High St Kohler Wis  
Kol-Master Corp 124 Walberg Oregon Ill  
Koolvent Metal Awning Corp of America 902 Arrott Bldg Pittsburgh 22 Pa  
Koppers Co Inc Koppers Bldg Pittsburgh  
Koppers Co Inc Durethane Plant 7001 West 60 St Chicago 38 Ill  
Kordite Corp Macedon NY  
Kosmos Portland Cement Co 1529 Starks Bldg Louisville 2 Ky  
Koven L O & Bro Inc 154 Ogden Ave Jersey City 7 NJ  
Kraus Walter S Co 48-02 43rd St Woodside 77 NY  
Kresky Mfg Co Second & H Sts Petaluma Cal  
Kresno-Stamm Mfg Co 400 Commercial Ave Palisades Park NJ  
Krieg Victor J Inc 611 Broadway NYC 12  
Kritzer Radiant Coils Inc 325 N River St Batavia Ill  
Krueger Mfg Co 1445 E Main St Owosso Mich  
Kwiksand Inc 529 Merchants Rd Rochester 9 NY  
Kwikset Div American Hardware Corp 516 E Santa Ana St Anaheim Cal  
Kyanize Paints Inc Second & Boston Sts Everett 49 Mass

**L**

LCN Closers Inc 111 W Railroad Ave Princeton Ill  
L-O-F Glass Fibers Co 1810 Madison Ave Toledo 1 Ohio  
Laboratory Equip Corp Hilltop Rd St Joseph Mich  
Labrie Mfg Co 3525 N W 50th Miami Fla  
Laclede Steel Co Arcade Bldg St Louis Mo  
Lake Drive Products Co Inc PO Box 166 Edgerton Wis  
Lake Lytle Shingle Co Box 371 Manhattan Beach Rockaway Ore  
Lake Shore Inc Lake Shore Engineering Div E Magnetic St Iron Mountain Mich  
Lakeside Industries E Charles St Rice Lake Wis  
Lamson & Sessions Co 5000 Tiedman Rd Cleveland 9 Ohio  
Lancaster Pump & Mfg Co Inc 1340 Mannheim Pike PO Box 728 Lancaster Pa  
Landers Segal Color Co 78 Delavan St Brooklyn 31 NY  
Landon Inc 7240 Fulton N Hollywood Cal  
Lanebro Mfg Co 110 Main St W Fough-keepsie NY  
Lansing Co 521 N Cedar Lansing Mich  
Larsen Products Corp Box 5756F Bethesda Md  
Larson Chas O Co PO Box 358 Sterling Ill  
Larson Ladder Co 651 Martin Ave Santa Clara Cal  
Lastik Prods Co Inc 203 Iriquois Bldg Pittsburgh 13 Pa  
Lato Prods Co 909 New Boston Rd Texarkana Tex  
Lau Blower Co 2001 Home Ave Dayton O  
Lawler Automatic Controls Inc 453 N Macquesten Mt Vernon NY  
Lawn Hose Holder Co Box 598 Loring St Minneapolis Minn  
Lawrence Bros Inc Sterling Ill  
Lawrence W W & Co 1124-32 W Carson Pittsburgh 19 Pa  
Lawrence Warehouse Co 37 Drumm St San Francisco 11 Cal  
F H Lawson Co 801 Evans St Cincinnati O  
Lawson Mfg Co Box 133 New Kensington Pa  
Le Roi Div Westinghouse Air Brake Co 3716 W Wisconsin Milwaukee 1 Wis  
Leathers A H Mfg Co Box 29 Dickson Tenn  
Leeds Edward & Co Lakeview LI NY  
Leetonia Tool Co 142 Main Leetonia O  
Legion Stainless Sink Corp 40th Ave & 21 St LIC NY  
Lehigh Portland Cement Co 718 Hamilton St Allentown Pa  
Lehman Co 1703 S Ironwood South Bend Ind  
Lehman Sprayshield Co 3355 York Rd Philadelphia 40 Pa  
Lehon Co Madison & 25th Bellwood Ill  
Leigh Building Products Div Air Control Products Inc 1659 Bee St Dept 4 Coopersville Mich

Lenahan Aluminum Window Corp PO Box 6496 Jacksonville Fla  
 Lenawee Peerless Inc 1412 E Michigan St Adrian Mich  
 Lennox Industries Inc 200 S 12th Ave Marshalltown Iowa  
 Leonard R B Inc 3553 N W 50 St Miami Fla  
 LePage's Inc 144 Essex Ave Gloucester 41 Mass  
 Leslie Welding Co Inc 2937 W Carroll Ave Chicago Ill  
 Lefourneau-Westinghouse Co 2301 N Adams St Peoria Ill  
 Levelall 43 Webster St Rockland Mass  
 Leviton Mfg Co Inc 236 Greenpoint Ave Brooklyn 22 NY  
 Lewis J A Shingle Co Wheeler Ore  
 Lewis-Shepard Products Inc 1556 Walnut St Watertown 72 Mass  
 Libbey-Owens-Ford Glass Co 608 Madison Ave Toledo 3 Ohio  
 Lifetime Industries Inc 629 Bergman Ave Louisville 3 Ky  
 Lightning Adding Machine Sales 2306 W Slauson Ave Los Angeles 43 Cal  
 Lightoller Inc 346 Claremont Ave Jersey City NJ  
 Lightsey Bros Miley SC  
 David Lilly Cartoons Box 167 Long Beach 1 Cal  
 Lima Register Co 1790 N Cable Rd Lima Ohio  
 Lindemann A J & Hoverson Co 5119 District Blvd Los Angeles 22 Cal  
 Line Material Industries McGraw-Edison Co 700 W Michigan St Milwaukee Wisc  
 Link-Belt Speeder Corp 1201 6th St S W Cedar Rapids Iowa  
 Linn Plywood Corp Tenth & Hill Sts Albany Ore  
 Linsced Oil Products Co 1603 Talbert Ave Santa Ana Cal  
 Lippmann Engineering Works Inc 4603 W Mitchell St Milwaukee 14 Wisc  
 Lign-Level Co Box 538 Redwood Dr Felton Cal  
 Lithbar Co 245 W 14 St Holland Mich  
 Little Giant Prods Inc 1530 N E Adams St Peoria 3 Ill  
 Little H C Burner Co PO Box 60 San Rafael Cal  
 Lock-Joint Window Co 817 N W 61st Okla City 18 Okla  
 Locke Mfg Co Ohio St Lodi Ohio  
 Locke Steve Co 114 W 11 St Kansas City 5 Mo  
 Lockley Machine Co 310 Grove St New Castle Pa  
 Lockhart Mfg Corp 6350 E Davison Ave Detroit 12 Mich  
 Lockport Mills Inc Lockport NY  
 Lockrey Co PO Box J Southampton NY  
 Lockwood Hardware Mfg Co 1950 Cleg-horn St Fitchburg Mass  
 Logan Clay Prods Co Box 698 Logan O  
 Logan Co 201 Cabel St Louisville 6 Ky  
 Logan-Long Co 6600 S Central Chicago  
 Lone Star Cement Corp 100 Park Ave New York 17 NY  
 Long Fir Gutter Co 600 Dewey Cadiz O  
 Longview Shake Co 2236 Cascade Way Longview Wash  
 Lookout Boller & Mfg Co Mfrs Rd & Compress Chattanooga Tenn  
 Loom Roof Corp of America PO Box 9536 Pittsburgh Pa  
 Lord & Burnham Corp Main St Irving-ton NY  
 Lorenz Prods Inc 4820 N Central Chicago  
 Loudeau Machinery Co 2504 North Court Fairfield Iowa  
 Louisville Cement Co Second & Walnut Sts Louisville Ky  
 Louisville Ladder Co 1101 W Oak St Louisville Ky  
 Leaver Mfg & Supply 3601 Woodale Ave Minneapolis Minn  
 Leav-R-Pack Inc 3629 E First St Fort Worth Tex  
 Lowe Bros 424 E Third St Dayton 2 Ohio  
 Loxscreen Co Inc PO Box 5133 Columbia SC  
 Lucas John & Co Inc 1619 Penn Blvd Philadelphia Pa  
 Lucke William B Inc 514 Railroad Ave E Wilmette Ill  
 Ludlow Papers Needham Heights Mass  
 Ludman Corp 14100 Biscayne Blvd N Miami Fla  
 Ludowici-Celadon Co 75 E Wacker Dr Chicago 1 Ill

Ludwig Mfg Co Inc 1405-16th St Racine Wisc  
 Luffkin Rule Co 1730 Heas Ave Saginaw Mich  
 Lumino Co 515 Madison Ave NYC  
 Luminous Ceilings Inc 2500 W North Ave Chicago 47 Ill  
 Luria Engineering Co 511 Fifth Ave NYC  
 Lustrik Inc 3225 Frankford Ave Phila Pa  
 Lustrro Tile Mfg Co 1066 Home Ave Akron 10 Ohio  
 Lux Co Inc 315 W Franklin St Elkhart 4 Ind  
 Lyf-Alum Inc 164 E Wisconsin Ave Ocon-omowoc Wisc  
 Lynch Asbestos Co 2939 S Sunol Dr Los Angeles 23 Cal  
 Lyon Inc 1388 W Chicago Blvd Detroit  
 Lyon Conklin & Co Inc Race & McComas St Baltimore 30 Md  
 Lyon Metal Products Inc 25 Montgomery St Aurora Ill

M

Mack Trucks Inc 1355 W Front St Plain-field NJ  
 Mackie Mill Co Westport Rt Aberdeen Wash  
 Macklanburg-Duncan Co PO Box 1197 Oklahoma City Okla  
 Macco Corp 1345 Henry St Huntington Ind  
 Macomber Inc 1925 Tenth Canton Ohio  
 Madison Glue Corp 200 W 34 St NYC 1  
 Magic Chef Franklin Tenn  
 Maginniss Power Tool Co 154 Distl Ave Mansfield Ohio  
 Maguire Walter Co Inc 60 East 42 St NYC  
 Mahon R C Co 6565 E 8 Mile Rd Detroit  
 Majestic Co Inc 433 Erie St Huntington Ind  
 Major Line Prods Co Inc 120 Sixth Ave N Seattle Wash  
 Malibu Mfg Corp 1557 N Tyler Ave El-mente Cal  
 Malta Mfg Co Malta Ohio  
 Manhattan Terrazzo Brass Strip PO Box 187 Norwalk Conn  
 Manitowec Equipment Works Manitowec Wisc  
 Mankato Stone Co Mankato Minn  
 Manning Maxwell & Moore Inc Shaw-Box Crane & Hoist Div W Broadway Muskegon Mich  
 Mansfield Sanitary Inc Perrysville Ohio  
 Marchant Calculators Div Smith-Corona  
 Marchant Inc 6781 San Pablo Ave Oak-land 8 Cal  
 Marietta Paint & Color Co Green & Acme Sts Marietta Ohio  
 Markel Electric Prods Inc 151 Seneca St Buffalo NY  
 Markwell Mfg Co 200 Hudson St NYC  
 Mar-Lin Timber Corp Winchester Ore  
 Marlow Pumps Div Bell & Gossett Co PO Box 200 Midland Park NJ  
 Marmet Corp PO Box 208 Wausau Wisc  
 Marmoon-Herrington Co Inc 1545 W Wash-ington Indianapolis 7 Ind  
 Marona Mill Co Darrington Wash  
 Marquette Appliances Inc 307 S Hennepin Ave Minneapolis 14 Minn  
 Marquette Cement Mfg Co 20 N Wacker Dr Chicago 6 Ill  
 Marsh Furniture Co High Point NC  
 Marsh Lumber Co Dover Ohio  
 Marsh Wall Products Inc 403 Main St Dever Ohio  
 Masland C H & Sons Carlisle Pa  
 Martin Bros Cont & Timber Prods Corp PO Box 698 Oakland Ore  
 Martin-Senour Co 2520 S Quarry St Chi-cago Ill  
 Marvan Corp PO Box 219 W Hartford Conn  
 Marvel Equipment Co 1803 Bowen St Oshkosh Wisc  
 Marvel Metal Prods Co 3843 W 43 St Chi-cago 32 Ill  
 Marvin Mfg Co 3171 E 12 St Los Angeles  
 Masland Duralcather Co Amber & Wil-lard St Philadelphia Pa  
 Mason City Brick & Tile 200 Brick & Tile Bldg Mason City Iowa  
 Masonite Corp 111 W Washington Chicago  
 Masonry Waterproofing Co Inc Box 501 Herndon Va  
 Massey-Ferguson Industrial Div 1009 S West St Wichita 15 Kan  
 Master Builders Co 7018 Euclid Ave Cleveland 3 Ohio

Master Hung Door Equip Co Franklin Apts Bldg Pottstown Pa  
 Master Lock Co 2600 N 32 St Milwaukee 45 Wisc  
 Master Mechanic Mfg Co PO Box 389 Burlington Wisc  
 Master Metal Strip Service Inc 1720 N Kilbourn Ave Chicago 39 Ill  
 Master Vibrator Co 1752 Stanley Ave Dayton Ohio  
 Master Woodworker Mfg Co Inc 401-411 E Fort St Detroit 26 Mich  
 Mastie Tile Corp of America N Mont-go-mery Newburgh NY  
 Mastro Plastics Corp 3040 Webster Ave Bronx NY  
 Mathews Conveyor Co 190 Tenth St Ell-wood City Pa  
 Mattison Machine Works 545 Blackhawk Park Rockford Ill  
 Mauk Seattle Lumber Co PO Box 148 University Station Seattle 5 Wash  
 Maxon Construction Co Inc 2600 Far Hills Ave Dayton 9 Ohio  
 May D C Co-Ma-Crepe Co 314 Morgan St Durham NC  
 Mayes Bros Tool & Mfg Co 140 Ashe St Johnson City Tenn  
 Mayes R & Son Level Mfg Co 300 Golden-gate Detroit 3 Mich  
 Mayflower Air-Conditioners Inc E Sev-enth St at Duluth St Paul 6 Minn  
 Mayhew Steel Products Inc Sears St ShelburneFall Mass  
 Maytag Co Newton Iowa  
 Maze W H Co 300 Church St Peru 3 Ill  
 McCabe Powers Body Co 5900 N Broad-way St Louis 15 Mo  
 McCall's Magazine 230 Park Ave NYC  
 McDonald A Y Mfg Co 12th & Pine Sts Dubuque Iowa  
 McDonough Mfg Co 1530 Galloway Eau Claire Wisc  
 McGraw-Edison Co 5201 W 65th St Chi-cago 38 Ill  
 The McGuffie Co 3400 St Rocco's Court Cleveland 9 Ohio  
 McKee Door Co 85 Hanks Ave Aurora Ill  
 McKeown Bros Co 5303 S Keeler Ave Chicago 32 Ill  
 McKinney Mfg Co 1715 Liverpool St Pitts-burgh 33 Pa  
 McLean Engineering Labs 70 Washington Rd Box 228 Princeton NJ  
 McMinnville Mfg Co S Chancery St Mc-Minnville Tenn  
 McPherson Inc 4603 W Osborne Ave Tampa 3 Fla  
 McQuay Inc 1600 Broadway N E Minne-apolis Minn  
 Mead Specialties Co 4114 N Knox Ave Chicago 41 Ill  
 Meadow River Lumber Co Box 245 Rainelle W Va  
 Meadows W R Inc 2 Kimball Elgin Ill  
 Medford Veneer & Plywood Corp PO Box 507 Medford Ore  
 Medusa Portland Cement Co PO Box 5668 Cleveland Ohio  
 Meier Electric & Machine Co Inc 3525 E Washington Indianapolis Ind  
 Meilink Steel Safe Co 1672 Oakwood Toledo Ohio  
 Melody Master 321-14 Mt Pleasant New-ark 4 NJ  
 Memphis Hardwood Flooring Co 1501 Thomas St Memphis 7 Tenn  
 Menasha Sales Corp North Bend Ore  
 Mengel Co 2300 S 4th Louisville Ky  
 Mercolid Corp 4201 W Belmont Chicago  
 Meridian Wood Prods Co Box 5 Meridian Miss  
 Merillat Woodworking Co 2075 W Beecher Rd Adrian Mich  
 Merit Products Inc 3601 Lenawee Ave Los Angeles Cal  
 Merwin Mfg Co 19th & German Erie Pa  
 Meeker Bros Iron Co 6002 Lindbergh Hazelwood St Louis County Mo  
 Meaker George L Steel Corp 400 N W First St Evansville 8 Ind  
 Metal Crafters E Ave at 18th N E PO Box 830 Cedar Rapids Iowa  
 Metal Trims Inc Box 632 Jackson Miss  
 Metalbestos Div Wm Wallace Co PO Box 137 Belmont Cal  
 Metalcraft Screen Co 1171 Tremont St Boston 20 Mass  
 Metalvent Corp 4029 N Port Washington Rd Milwaukee 12 Wisc  
 Met-Cro Specialties Co Inc PO Box 406 Portchester NY

Metiwal Corp of America Inc PO Box 885  
Syracuse 1 NY  
Metropolitan Brick Inc 1017 Benkert Bldg  
Canton 2 Ohio  
Metzger Conveyor Co 413 Douglas N W  
Grand Rapids 4 Mich  
Meyer Furnace Co 1300 S Washington  
Peoria Ill  
Meyers Fred L Mfg Co 1176 Hooven Ave  
Hamilton Ohio  
Miami Cabinet Div Philip Carey Mfg  
1700 Grand Ave Middletown Ohio  
Miami Metal Weatherstrip Co 164 N W 20  
St Miami Fla  
Miami Window Corp International Air-  
port Miami 48 Fla  
Michel & Pfeffer Iron Works Inc S Linder  
Ave San Francisco Cal  
Michigan Ladder Co 12 E Forest Ave  
Ypsilanti Mich  
Midcontinent Adhesive Co 70 Sunahine Dr  
Grove City Ohio  
Midget Heater & Specialty Co 2801 Pacific  
Ave Tacoma Wash  
Midget Louver Co 6-8 Wall St Norwalk  
Conn  
Midland Brick & Tile Co Chillicothe Mo  
Midland Products Co 181 Greenwood Ave  
Midland Park NJ  
Mid-States Steel & Wire Co Crawfords-  
ville Ind  
Midwest Plywood Co 10123 Lyndon Ave  
Detroit 38 Mich  
Midwest Wholesale Hardware Co 163  
Gault St Akron 1 Ohio  
Miles Specialties 7100 E 15 Mile Rd War-  
ren Mich  
Miller Bros Co PO Box 546 Johnson City  
Tenn  
Miller Bros Flooring Corp Box 903 Sum-  
mersville SC  
Miller Co 99 Center St Meriden Conn  
Miller E C Lumber Co Aberdeen Wash  
Miller Frank B Mfg Co 3216 Vahlha Dr  
Burbank Cal  
Miller George E Lumber Co 1111 Equit-  
able Bldg Portland 4 Ore  
Miller Howard Cloek Co Zealand Mich  
Millers Falls Co 57 Wells St Greenfield  
Mass  
Mills Co 983 Wayside Rd Cleveland O  
Milwaukee Electric Tool Corp 5356 W  
State St Milwaukee Wisc  
Milwaukee Faucets Inc 501 E Reservoir  
Ave Milwaukee 13 Wisc  
Milwaukee Plywood Co 1227 W Bruce St  
Milwaukee 4 Wisc  
Milwaukee Stamping Co 800 S 72 St Mil-  
waukee 14 Wisc  
Milwaukee Tool & Equipment Co 2773 S  
29 St Milwaukee 46 Wisc  
Misc-Hillard Milling Co 826 Second  
National Bank Wilkes Barre Pa  
Minneapolis Honeywell Regulator 2753 S  
Fourth Ave Minneapolis 8 Minn  
Minneapolis-Moline Co 1330 Ninth Ave  
Hopkins Mich  
Minnesota Mining & Mfg Co 900 Bush Ave  
St Paul Minn  
Minnesota & Ontario Paper Co 500 In-  
vesters Bldg Minneapolis Minn  
Minnesota Paints Inc 1101 Third St S  
Minneapolis Minn  
Minwax Co Inc 11 W 42 St NYC 36  
Miracle Adhesives Corp 250 Pettit Ave  
Bellmore LI NY  
Miracle Hinge Co Monticello NY  
Miraplas Tile Co 980 Parsons Ave Colum-  
bus 6 Ohio  
Mirra Cote Co 120 Standard El Segunda  
Cal  
Mirro Chrome Co Inc 12 Fifth St Valley  
Stream NY  
Mirro-Glo Cabinet Co 3131 W 49 Pl Chi-  
cago 32 Ill  
Misceramic Tile PO Box 1070 Cleveland  
Mass  
Mississippi Glass Co 88 Angelica St St  
Louis 7 Mo  
Missoula White Pine Sash Co Scott &  
Stoddard Missoula Mont  
Mitchel Rubber Prods Inc 2114 San Fern-  
nando Los Angeles 65 Cal  
Mixermobile Manufacturers 8027 N E  
Killingsworth Portland 20 Ore  
Mobile Paint Mfg PO Bx 1686 Mobile Ala  
Modern Glide Sliding Door Frame 11490  
Cloverdale Detroit Mich  
Modern Specialties Co 4301 Ogden Ave  
Chicago 23 Ill  
Modern Swimming Pool Co Inc 1 Holland  
Ave White Plains NY

Modernaire Corp 8400 Kinsman Rd Cleve-  
land 4 Ohio  
Moderawood Co PO Box 360 Clinton SC  
Modine Mfg Co 1501 Dekoven Ave Racine  
Wisc  
Modular Mechanical Components Inc 94 E  
College St Hillsdale Mich  
Moen Faucet Div Standard Screw Co 377  
Woodland Ave Elyria Ohio  
Mohawk Flush Doors 212 W Ewing St  
South Bend Ind  
Moise Drilling Machines Inc 1100 20th St  
N W Washington DC  
Molly Corp 504 Med Arts Bldg Reading Pa  
Moloney Co 13125 Shaker Sq Cleveland O  
Momas Industries 4323 West 32 St Chicago  
Monarch Flooring Co Cuba Mo  
Monarch Metal Weatherstrip Co 6333 Etzel  
Ave St Louis 14 Mo  
Monarch Range Co 1519T Lake St Beaver  
Dam Wisc  
Mondial United Corp 625 Madison Ave  
New York 22 NY  
Monitor Equipment Corp 640 W 240 St  
New York 71 NY  
Monostructure Inc Sarasota Bradenton  
Sarasota Fla  
Monroe Co Inc 10703 Quebec Ave Cleve-  
land 6 Ohio  
Monsanto Chemical Co 600 Monsanto Ave  
Springfield Mass  
Monsanto Chemical Co Organic Chemicals  
Div Lindbergh & Olive St Rd St Louis  
Moore A E Co Inc Waupaca Wisc  
Moore Benjamin & Co 511 Canal St NYC  
Moore Business Forms Inc 900 Buffalo  
Ave Niagara Falls NY  
Moore Goodlee E PO Box 846 Danville Ill  
Moore Pipe & Sprinkler Co 1230 W State  
St Jacksonville 1 Fla  
Moorhead Brick & Tile Co Fifth Ave &  
11 St St Joseph 4 Mo  
Morgan Co 520 Oregon St Oshkosh Wisc  
Morgan Machine Co 1230 University Ave  
Rochester NY  
Morgan-Wightman Co 9910 Page Blvd  
St. Louis 66 Mo  
Morgen Mfg Co 117 West Third St Yank-  
ton SD  
Morrison Co 125 W Melvina St Milwaukee  
Wisc  
Morrison Steel Products Inc 601 Amherst  
St Buffalo 7 NY  
Mortell J W Co 556 N Hobbie Ave Kan-  
kakee Ill  
Morton Ceramic Tile Co Morton Ill  
Mosaic Tile Co 1949 Pershing Ave Zanes-  
ville Ohio  
Moser Safe Co 320 Fifth Ave NYC 1  
Mosley Electronics Inc 8622 St Charles  
Rock Rd St Louis 14 Mo  
Meter Wheel Corp East Saginaw St Lan-  
sing 3 Mich  
Moulton Ladder Mfg Co 2-40 Harding St  
Somerville Mass  
Mt Baker Plywood Inc 2329 Roeder Ave  
Bellingham Wash  
Mt Pleasant Shingle Co 1403 W Eighth  
Port Angeles Wash  
Mt Vernon Furnace & Mfg Co PO Box  
213 Mt Vernon Ill  
Mower Lumber Co PO Box 2151 Charles-  
ton 28 W Va  
Mueller Bros Co 1925 Lapeer Ave Port  
Huron Mich  
Mueller Chmtratl Div Worthington Corp  
2005 W Okla Box 491 Milwaukee 1 Wisc  
Mulkey Sam Co Box 270 Lee Summit Mo  
Muller Machinery Co Inc PO Box 248  
Metuchen 4 NJ  
Multnomah Plywood Corp 1500 S W Har-  
bor Dr Portland 1 Ore  
Muncie Gear Co PO Box 1182 Muncie Ind  
Murray Hilton B 64 N Murray Pl York Pa  
Murray Mfg Corp 1250 Atlantic Ave  
Brooklyn NY  
Murray Tile Co Inc Cloverport Ky  
Music & Sound Inc 118 Leslie St Dallas  
Musical Corp 4512 W Jefferson Blvd Los  
Angeles 16 Cal  
Mustee E L & Sons Inc 6911 Lorain Ave  
Cleveland 2 Ohio  
Mutschler Bros 302 S Madison St Nap-  
panee Ind  
Mutual Fir Column Co PO Box 1342  
Tacoma 1 Wash  
Mutual Plywood Corp PO Box 18 Eureka  
Cal  
Myers F E & Bros Co 424-34 Orange St  
Ashland Ohio

**N**

Nalle Plastics Inc 108-112 W Second St  
Austin 1 Tex  
Nanco Corp 327 Fifth Ave Pittsburgh Pa  
National Adhesive Div National Starch  
Products Inc 750 Third Ave NYC 17  
National Aluminum Co 1133 Alnum Creek  
Dr Columbus Ohio  
National Caseln Co 601 W 80 St Chicago  
National Cash Register Co 5 Main & K  
Sts Dayton 9 Ohio  
National Chemical & Mfg Co 3617 S May  
St Chicago 9 Ill  
National-Detroit Inc 2810 Auburn Rock-  
ford Ill  
National Door Co 163 Ave A Bayonne NJ  
National Electric Prods Corp 140 Stanwix  
Pittsburgh Pa  
National Floor Prods Co Florence Ala  
National Forest Prods Co Box 510 Jack-  
sonville Tex  
National Gas Equipment Co Denison Tex  
National Gypsum Co 525 Delaware Ave  
Buffalo 2 NY  
National Home Planning Service 968  
Stuyvesant Ave Union NJ  
National Kitchens 163 Ave A Bayonne NJ  
National Lead Co 111 Broadway NYC  
National Lock Co 1902 Seventh St Rock-  
ford Ill  
National Mfg Co 1 First Ave Sterling Ill  
National Mfg Corp 133 Fillmore Ave  
Tonawanda NY  
National Metal-Art Mfg Co 1961 Eighth  
Ave Brooklyn 15 NY  
National Metal Prods 2 Gateway Center  
Pittsburgh 22 Pa  
National Plan Service Inc 1700 W Hub-  
bard St Chicago 22 Ill  
National Plastic Products Odenton Md  
National Plumbing Fixture Corp South  
Second Elwood City Pa  
National Peel Equipment Co Lee Hwy  
Florence Ala  
National Rubber Machinery Co Plumbing  
Equipment Div 47 W Exchange St  
Akron 8 Ohio  
National Steel Cabinet Co 2415 N Pulaski  
Rd Chicago 39 Ill  
National Stove Co 163 Ave A Bayonne NJ  
National Tile & Mfg 26 St Anderson Ind  
National-US Radiator Corp 944 Ash St  
Johnstown Pa  
National Vanity 165 Ave A Bayonne NJ  
National Window Corp PO Box 632 Jack-  
son Miss  
Nationwide House Plan Service 17 Hewes  
St Providence RI  
Nationwide Plan Book Co 17242 Dear-  
born St Northridge Cal  
Nells J Lumber Co Div 61 Regis Paper Co  
Libby Mont  
Nelson B F Mfg Co 401 N E Main St  
Minneapolis 13 Minn  
Nesbitt John J Inc State Rd & Rhawn St  
Philadelphia 36 Pa  
Nevamar Carefree Kitchens Odenton Md  
New Castle Products Inc Box 353 New  
Castle Ind  
New England Carbide Tool Co Inc 55  
Commercial St Medford 55 Mass  
New London Engineering Co 1700 Divi-  
sion St New London Wisc  
New Loaden Shake Co Box 535 Hoquiam  
Wash  
New Monarch Machine & Stamping 406  
S W Ninth St Des Moines 9 Iowa  
Newark Ladder & Bracket Co Inc 17 Wal-  
nut Ave Clark Rahway NJ  
Niagara Furnace Div Forest City Found-  
ries Co 2500 W 27 St Cleveland O  
Niagara Plywood Co Inc 1254 Broadway  
Buffalo NY  
Nichells Mfg Co Ottumwa Iowa  
Nichols Wire & Aluminum Co 1725 Rock-  
ingham Rd Davenport Iowa  
Nicholson & Co 161 First St Cambridge  
42 Mass  
Nicholson File Co Providence 1 RI  
Nixalite Co 1723-26 First Ave Rock Is-  
land Ill  
Nordahl Sliding Door Frames 180 W  
Alameda Ave Burbank Cal  
Norge Div Borg-Warner Corp Rm 294  
Mdc Mart Chicago Ill  
Norman Prods Co 1150 Chesapeake Ave  
Columbus 15 Ohio  
Norman W F Sheet Metal Mfg Nevada Mo  
Norris Thermador Corp 5215 S Boyle Ave  
Los Angeles 58 Cal

North American Asbestos Corp 141 W Jackson Blvd Chicago 4 Ill  
 North Bangor Slate Co Bangor Pa  
 North Carolina Granite Corp Mt Airy NC  
 North East Metal Products Corp Merrick LI NY  
 North Pacific Plywood Inc 1549 Dock St Tacoma 2 Wash  
 Northern Conveyor Co Western Ave Janesville Wisc  
 Northern Industries Inc 407 E Michigan Ave Milwaukee 2 Wisc  
 Northwest Door Co PO Box 1477 Tacoma 1 Wash  
 Northwest Engineering Co 135 S LaSalle St Chicago 3 Ill  
 Northwest Foundry & Furnace Co 2345 S E Gladstone Portland Ore  
 Northwest Metal Products Inc 55 Spokane St Seattle 4 Wash  
 Northwest Shake Distributor 3117 Broadway Everett Wash  
 Northwestern Steel & Wire Co Ave B & Wallace St Sterling Ill  
 Norton Co 1 New Bond St Worcester 6 Mass  
 Norton Door Closer Co 100 Tudor Rd Berrien Springs Mich  
 Nova Sales 1935 Harvey Rd Trenton NJ  
 Novo Pump & Engine Co 702 Porter St Lansing 5 Mich  
 Nudor Mfg Corp 7376 Fulton Ave N Hollywood Cal  
 Nurre Co Box 19 Bloomington Ind  
 Nuside Metal Products Inc Box 369 Sharon Pa  
 NuTone Inc Red Bank & Madison Cincinnati 27 Ohio  
 Nu-Wall Mfg Co 832 N 34 St Milwaukee 8 Wisc

**O**

Oakland Foundry Co Belleville Ill  
 The O'Brien Corp 2001 W Washington South Bend 21 Ind  
 Ohio Foundry & Mfg Co 629 Slack St Steubenville Ohio  
 Ohio Lime Co Woodville Ohio  
 Ohio Plate Glass Co 305 Morris Toledo O  
 Ohio Window Glass Co 5103 Lakeside Ave Cleveland 14 Ohio  
 O'Keefe & Merritt Co 3700 East Olympic Los Angeles 23 Cal  
 O'Kelly-Eccles Co 4946 N Azusa Canyon Rd Baldwin Park Cal  
 Okonite Co 220 Passaic St Passaic NJ  
 Ol' Settler Shake Co Oakville Wash  
 Oliver Corp 400 W Madison St Chicago Ill  
 Oliver Machinery Co 445 Sixth St N W Grand Rapids 2 Mich  
 Olivetti Corp of America 375 Park Ave NYC NY  
 Olsen C A Mfg Co Filbert St Elyria Ohio  
 Olson Mfg Co 620-24 S Broadway Albert Lea Minn  
 Olympic Foundry Co 5200 Airport Way Seattle Wash  
 Olympic Stained Prods Co White Bldg Seattle Wash  
 Omark Industries Inc 9701 S E McLoughlin Blvd Portland 22 Ore  
 Onan D W & Sons Inc 2515 University S E Minn 14 Minn  
 One-Der Frame Corp 1232 N 37 Pl Birmingham 3 Ala  
 Orangeburg Mfg Co Inc 375 Park Ave New York 22 NY  
 Orchard Bros Inc 63 Meadow Rd Rutherford NJ  
 Oregon Lumber Co Baker Ore  
 Oregon Veneer Co Box 507 Medford Ore  
 Oregon-Washington Plywood Co Garabaldi Ore  
 Oro Mfg Co 1425 E Michigan St Adrian Mich  
 Osage Prods Co Eldon Mo  
 Osmose Wood Preserving Co of America 980 Ellicott St Buffalo 9 NY  
 Ostin David Moulding Corp PO Box 607 Sacramento 3 Cal  
 Otis Elevator Co 260 11th Ave NYC 1  
 Ottawa Steel Young Spring Wire 435½ S Main St Ottawa Kan  
 Outdoor Oven Fireplace Co 859 Windsor St Hartford 1 Conn  
 Overhead Door Corp PRR & Kickapoo St Hartford City Ind  
 Owatonna Tool Co 31 Cedar St Owatonna Minn

Owensboro Sewer Pipe Co PO Box 276 Owensboro Ky  
 Owens-Corning Fiberglass Corp 603 Madison Ave Toledo Ohio  
 Owens-Illinois PO Box 1035 Toledo O  
 Ox-Wall Tool Co 928 Broadway NYC  
 Ozan Lumber Co Prescott Ark  
 Ozark Oak Flooring Co Bismarck Mo

**P**

F & C Tool Co Box 5926 Portland 22 Ore  
 Fabco Floor Covering Div Fibreboard Paper Prods Corp 475 Brannan St San Francisco 19 Cal  
 Pacific Brass & Hardware Mfg Co 2442 N Chico Ave El Monte Cal  
 Pacific Lumber Co 109 Bush St San Francisco Cal  
 Pacific Mfg Co 2610 The Alameda Santa Clara Cal  
 Pacific Mutual Door Co PO Box 1589 Washington Bldg Tacoma 1 Wash  
 Pacific Pre-Cast Products Inc 1500 Calzona St Los Angeles 23 Cal  
 Pacific Tile & Porcelain Co 7716 E Olive St Paramount Cal  
 Paddock Pools 8400 Santa Monica Los Angeles 46 Cal  
 Paine Co Fullerton & Wingate Addison Ill  
 Paine Lumber Co Ltd 1621 Congress Ave Oshkosh Wisc  
 Pak-Cel Inc 18 Nottingham Dr Natick Mass  
 Pal-O-Pak Insulation Co Inc Hartland Wisc  
 Palos Verdes Stone Dept Great Lakes Carbon Corp PO Box 1307 WALTERIA Cal  
 Panaview 13434 Raymer St N Hollywood Cal  
 Panelfab Products Inc 2000 N E 146 St N Miami Fla  
 Panelfold Doors Inc 1090 East 17 St Hialeah Fla  
 Panel Heat Inc 1395 Marconi Blvd Copiague NY  
 Paramount Aluminum Prod Corp Broad Hollow Rd Farmingdale LI NY  
 Parker Ira & Sons 552 N Main St Oshkosh Wisc  
 Parker Mfg Co 149 Washington St Worcester Mass  
 Parker S Hdwe Mfg Corp 27 Ludlow St New York 2 NY  
 Parker & Sons Shake Mill PO Box 32 Copalis Beach Wash  
 Parkwood Laminates Inc 24 Water St Wakefield Mass  
 Farr Paint & Color Co 18400 Syracuse Ave Cleveland 10 Ohio  
 Pass & Seymour Solvay Ave Syracuse NY  
 Patent Scaffolding Co The 38-21 12th St LIC NY  
 Patten J V Co 550 Dekalb Sycamore Ill  
 Patterson-Sargent Co 1325 East 38 St Cleveland 14 Ohio  
 Patton Clay Mfg Co Terra Cotta Ave Patton Pa  
 Faxton Brick Co Watsontown Pa  
 Faxton Frank Lumber Co 6311 St John Ave Kansas City Mo  
 Payne B H & Co Inc 101 W Taylor St East Point Ga  
 Payne Co Box 2222 LaPuente Cal  
 Peaslee-Gaubert Paint Varnish 223 N 15 St Louisville Ky  
 Peck & Harvey Mfg Corp 5650 N Western Ave Chicago 45 Ill  
 Peora Inc 300 W Sedgley Ave Philadelphia 40 Pa  
 Peerless Corp 1853 Ludlow Indianapolis Ind  
 Peerless Electric Co 1401 W Market St Warren Ohio  
 Peerless Heater Co Spring & Shaeffer Boyertown Pa  
 Peerless Level & Tool Co 104 Third Ave Sterling Ill  
 Peerless Mfg Corp Div of Dover 1400 W Ormsby St Louisville 10 Ky  
 Peerless Pump Div Food Machinery Corp 301 West Ave 26 Los Angeles 31 Cal  
 Peerless-Wood Products 12345 Schaeffer Rd Detroit Mich  
 Pemko Mfg Co 4070 Hubbard St Emeryville Cal  
 Penberthy Mfg Co 1242 Holden Ave Detroit Mich  
 Penetray Corp 615 Front St Toledo O  
 Peninsula Plywood Corp Marine Dr Port Angeles Wash

Peninsula Tool Co Inc 1200 34th Ave Menominee Mich  
 Penn-Akron Corp 32-01 57th St Woodside 77 NY  
 Penn Boiler & Burner Mfg Corp Fruitville Rd Lancaster Pa  
 Penn Controls Inc Goshen Ind  
 Penn Crete Prods Co 4528 Tacony St Philadelphia 24 Pa  
 Penn-Dixie Cement Corp 60 E 42 St NYC  
 Penn Gref Mfg Co 511 Plymouth Ave N Minn 11 Minn  
 Penn Metal Co 40 Central St Boston Mass  
 Penn Supply Metal Corp 1831 N Fifth St Philadelphia 22 Pa  
 Pennsalt Chemicals Corp Three Penn Center Philadelphia 2 Pa  
 Pennsylvania Wire Glass Co 1612 Market St Philadelphia 3 Pa  
 Peoria Brick & Tile Co PO Box 515 Peoria Ill  
 Perfect Line Mfg Old Country Rd Hicksville NY  
 Perfection Industries Div Hupp Corp 1135 Ivanhoe Rd Cleveland 10 Ohio  
 Per-Fit Prods Spickelmeier Ind 1200 E 52 St Indianapolis 5 Ind  
 Perma-Jack Corp 1113 E 200 St Cleveland 17 Ohio  
 Permagile Corp of America 34-43 56th St Woodside 77 NY  
 Permanente Cement Co 1924 Broadway Oakland Cal  
 Permiteco Inc PO Box 206 Station A Dayton 3 Ohio  
 Permutit Co Div Pfaudler Permutit Inc 50 W 44 St New York 36 NY  
 Peters Jas & Son 1934 N Front St Philadelphia Pa  
 Peterson D J Co Sheboygan Wisc  
 Peterson Prods Co 1015 N Bluff St Janesville Wisc  
 Peterson Window Corp Ferndale Mich  
 Petterson J C Corp 116 S Stoneman Ave Alhambra Cal  
 Phelan-Faust Paint Mfg Co 932 Loughborough St Louis 11 Mo  
 Phelps Dodge Copper Prods Corp 300 Park Ave New York 22 NY  
 Phenix Mfg Co 4129 N Point Washington Ave Milwaukee 12 Wisc  
 Philadelphia Screen Mfg Philadelphia Pa  
 Philco Corp Dexter Div Fairfield Iowa  
 Philco Corp Tioga & C Sts Philadelphia  
 Phillips Drill Co Hwy 12 Michigan City Ind  
 Phillips-Rhyne Lumber Co Inc PO Box 257 Brookhaven Miss  
 Pickens Hardwood Flooring Co Pickens SC  
 Pickering Lumber Corp Standard Cal  
 Pickett Products Inc 1111 S Fremont Ave Alhambra Cal  
 Pierson Ernest Co 4100 Broadway Eureka Cal  
 Pioneer Div The Flintkote Co Terminal Annex B2218 Los Angeles 54 Cal  
 Pioneer Gen E Motor Corp 5841 W Dickens Ave Chicago 39 Ill  
 Pioneer Mfg Co 3131 San Fernando Rd Los Angeles 65 Cal  
 Pioneer Plastics Corp 28 Goodhue St Salem Mass  
 Pitman Mfg Co 300 W 79 Terrace Grandview Mo  
 Pittsburgh Corning Corp 1 Gateway Center Pittsburgh 22 Pa  
 Pittsburgh Plate Glass Co 632 Ft Duquesne Pittsburgh 22 Pa  
 Pittsburgh Steel Co PO Box 118 Pittsburgh Pa  
 Plasteel Products Corp PO Box 481 Washington Pa  
 Plastering Wall Board Co 196 Philadelphia Buffalo 7 NY  
 Plastering Development Center Inc 1725 W Pershing Rd Chicago 9 Ill  
 Plastic Products Co 6473 Georgia Ave Detroit 11 Mich  
 Plastic Woven Prods 51 Camden St Paterson NJ  
 Plextone Corp of America 2141 McCarter Hwy Newark NJ  
 Plumb Fayette R Inc 4837 James St Philadelphia 37 Pa  
 Plyco Corp 54 American Ave Elkhart Lake Wisc  
 Plyfloor Inc PO Box 158 Beaumont Miss  
 Plymold Co 2707 Tulare Ave Burbank Cal  
 Plywall Prods Co PO Box 625 Fort Wayne Ind

2

Flywall Products Co Inc PO Box 161  
Corona Cal  
Flywood Co Fulton St Sumter NC  
Flywood Service Inc PO Box 78 Dillard  
Ore  
Pointer-Willamette Co Inc PO Box 368  
Edmonds Wash  
Polla Mfg Co Toledo Ave & E 28 St  
Lorain Ohio  
Polyplastex United Inc 870 Springfield  
Rd Union NJ  
Pomeroy S H Co 25 Bruckner Blvd NYC  
Pomona Terra-Cotta Co Pomona Station  
Greensboro NC  
Pomona Tile Mfg Co 629 N Labrea Ave  
Hollywood 38 Cal  
Poolquip Mfg Inc PO Box 7483 Fort  
Worth Tex  
Footstuck Corp 50 Old Stratford Rd Shel-  
ton Conn  
Pope & Talbot Inc 3070 N W Front Port-  
land Ore  
Port Austin Level & Tool Mfg Co Port  
Austin Mich  
Portable Electric Tools Inc 320 W 83 St  
Chicago 20 Ill  
Porter-Cable Machine Co 700 Marcellus  
St Syracuse 4 NY  
Post Frederick Co 333 W Lake St Chicago  
Powell W R Shake Co Box 882 Waldport  
Ore  
Power Door Co Monmouth Junction NJ  
Power Line Sales Inc 540 Monterey Pk  
Monterey Park Cal  
Powermail Co 961 Montana St Chicago  
Pewers Regulator Co 3400, Oakton St  
Skokie 19 Ill  
Prager Co Worcester Mass  
Pratt & Lambert Inc 75 Tonawanda St  
Buffalo 7 NY  
Precision Parts Corp 400 N First St Nash-  
ville 7 Tenn  
Precision Weatherstrip Co 7306 University  
Ave Chicago 19 Ill  
Precisionware Inc 93 Court St Brooklyn  
Prefabricated Prods Co Inc PO Box 606  
Kirkland Wash  
Premier Furnace Co Box 150 Dowagiac  
Mich  
Premier Hall Mfg Co 3951 W Fullerton  
Chicago 47 Ill  
Prestite-Keystone Engineering Prods 101  
E Ontario St Chicago 11 Ill  
Prestite Mfg Co 5850 W Ogden Ave Chi-  
cago 50 Ill  
Preway Inc 1430 Second St N Wisconsin  
Rapids Wis  
Price Fire & Water Proofing Co Pough-  
keepsie NY  
Prime Mover Co Hwy 61 E Muscatine Ia  
Pritchard J F & Co of Cal 4625 Roanoke  
Pkwy Kansas City 12 Mo  
Procter Products Co 16202 6 Ave N E  
Seattle 55 Wash  
Producers & Distributors Inc 1321 Han-  
over St Allentown Pa  
Progress Mfg Co Inc Castor & Tulip Ave  
Philadelphia 34 Pa  
Protection Products Mfg Co 2305 Superior  
Ave Kalamazoo 99 Mich  
Protective Papers Inc Union Ill  
Protective Products Co 2701 N E Univer-  
sity Minneapolis 18 Minn  
Pro-Tect-U Jalousie Corp 4525 Ponce de  
Leon Coral Gables Fla  
Protectub Inc 93 Seigel St Brooklyn 6 NY  
Proto Tool Div Fendleton Tool Industries  
2209 Santa Fe Ave Los Angeles 54 Cal  
Puget Sound Plywood Inc 230 East F St  
Tacoma Wash  
Fullman Mfg Corp 325 Hollenbeck  
Rochester 21 NY  
Fullum Window Corp 12950 Lyndon Ave  
Detroit 27 Mich  
Fyle-National Co 1334 N Kostner Chicago  
Pyramid Mouldings Inc 5353 W Armstrong  
Chicago 46 Ill

**Q**

Quaker State Metals Co Manheim Pike  
Lancaster Pa  
Quality Wood Prods Sitkum Rt Myrtle  
Point Ore  
Quarts Mosaic Inc PO Box 36 Yorklyn  
Del  
Queen Stove Works Inc 902 Marshall Al-  
berts Lee Minn  
Quicfrez Inc 105 Oak Pl Fond Du Lac  
Wis

Quigley Co Inc 415 Madison Ave NYC  
Quincy Adams Colonial Doors 118 Maple  
St Manchester NH  
Quincy Stove Mfg Co 825 S Front St  
Quincy Ill

**R**

RCA Rubber Co 1833 E Market St Akron  
5 Ohio  
RCA Service Co Cherry Hill Camden 8  
NJ  
R C A Whirlpool Appliance Corp State St  
St Joseph Mich  
R C S Tool Corp 227 E Front St Bloom-  
ington Ill  
R & H Guaranteed Products Co 3201 S  
Lombard Ave Cicero Ill  
R-M Millwork Corp 890 Grandview Mus-  
catine Iowa  
R N H Shake Co Box 554 Forks Wash  
R O W Sales Co 1365 Academy Ferndale  
Mich  
Radex Corp 2076 N Elston Ave Chicago  
Radiation Furnace Corp 230 Bond St Ben-  
ton Harbor Mich  
Radiant-Ray Radiation Inc 464 Hartford  
Ave Newington Conn  
Radocy F A & Sons E River Rd Rosford  
Ohio  
Ramsert Fastening System Olin Mathieson  
Corp 12117 Berea Rd Cleveland Ohio  
Ranette Mfg Co 1917 S Broadway St  
Louis 4 Mo  
Ranier Plywood Co 2142 East D St Ta-  
coma 2 Wash  
Rapids-Standard Co Inc 130 Trowbridge  
St Grand Rapids Mich  
Rauschenberger John Co 423 N Plank-  
ington Milwaukee 1 Wis  
Rawplug Co Inc 238 Petersville Rd New  
Rochelle NY  
Raybestos-Manhattan Inc M E Div 61  
Willett St Passaic NJ  
Raynor Mfg Co East River Rd Dixon Ill  
Ray-O-Lite Corp of America 316 Peach-  
tree N E Atlanta Ga  
Ready Hung Door Corp Neil P Anderson  
Bldg Fort Worth Tex  
Readybuilt Products Co 1701-23 McHenry  
St Baltimore 23 Md  
Reardon Co 7501 Page Ave St Louis 14 Mo  
Red Cedar Sidelall Co Ltd 309 W Esplan-  
ade N Vancouver Bc  
Red Devil Tools 2400 Vauxhall Union NJ  
Red Jacket Mfg Co 1051 S Relf Daven-  
port Iowa  
Redwood Garden Materials Co 7130 Ro-  
maine St Los Angeles 46 Cal  
Redwood Sales Co 235 Montgomery St  
San Francisco Cal  
Reed Cromex Corp 492 S Green Rd Clevel-  
and 21 Ohio  
Reed Unit Fans Inc 501 N St Patrick St  
New Orleans 19 La  
Reese Metal Weatherstrip Co 712 Park  
Ave Minneapolis Minn  
Reeves Steel & Mfg Co Div Empire-  
Reeves Steel Corp Iron Ave Dover O  
Reflectal Corp Subsidiary Borg-Warner  
200 S Michigan Ave Chicago 4 Ill  
Reflectotherm Inc 26 E University Cin-  
cinnati 19 Ohio  
Regal Laminates Inc 1370 Ralph Ave  
Brooklyn NY  
Regal Window Products Co Allentown  
Bldg Harrisburg Pa  
Remcon Div Pyramid Instrument Corp  
630 Merrick Rd Lynbrook LI NY  
Remington Air Conditioning Div Willey  
St Auburn NY  
Remington Alum Window Corp 999 Stew-  
art Ave Garden City NY  
Remington Arms Co Inc 939 Barnum Ave  
Bridgeport 2 Conn  
Remington Rand Div Sperry Rand 315  
Fourth Ave New York 10 NY  
Rempe Co 340 N Sacramento Chicago 12  
Re-Nu-It Corp 424 West 42 St NYC 36  
Reo Div White Motor Co 131 S Washing-  
ton Lansing 20 Mich  
Republic Steel Corp Republic Bldg Clevel-  
and 1 Ohio  
Republic Steel Corp Berger Div 1038  
Beldon Ave N E Canton 5 Ohio  
Research Products Corp 1015 E Washing-  
ton Madison 10 Wis  
Resolite Corp Zelenopole Pa  
Reuten Fred Inc Clorster NJ  
Reves Inc Deerfield Mich

Revere Copper & Brass Inc 230 Park Ave  
New York 17 NY  
Reynolds Aluminum Supply Co 573 W  
Peachtree Atlanta 3 Ga  
Reynolds Metals Co West Broad St Rich-  
mond 18 Va  
Reznor Mfg Co David St Mercer Pa  
Rheem Mfg Co 7600 S Kedzie Ave Chi-  
cago 29 Ill  
Rice Pump & Machine Co 400 Park Ave  
Belgium Wis  
Rich Howard B Inc 6th St Carrollton Ky  
Richards-Wilcox Mfg Co 174 Third St  
Aurora Ill  
Richhill Mfg Co 3277 Spring Grove Cin-  
cinnati 25 Ohio  
Richkraft Co 510 N Dearborn St Chicago  
Richmond Fireproof Door Co Box 334  
Richmond Ind  
Richmond Plumbing Fixtures PO Box 111  
Metuchen NJ  
Ridge Door Co Monmouth Junction NJ  
Rister Woodwork Specialty Co 241 N  
Second Ave Cedarburg Wis  
Rigidized Metals Corp 658 Ohio St Buf-  
falo NY  
Rileo Laminated Prods Inc First Natl  
Bank Bldg St Paul Minn  
Rittenhouse Co East St Honeye Falls NY  
Ritter W M Lumber Co 4841 Williamson  
Rd Roanoke Va  
Rittling Corp 95 Kentucky St Buffalo NY  
Robbins Floor Products Tuscumbia Ala  
Robbins Flooring Co Reed City Mich  
Robbins & Myers Inc 1345 Lagonda Ave  
Springfield Ohio  
Roberts Co 600 N Baldwin Park Blvd  
City of Industry Cal  
Roberts Gordon Appliance Corp 44 Cen-  
tral Ave Buffalo 6 NY  
Roberts Mfg Co Box 177-426 Shafer Cle-  
burne Tex  
Robinson Brick & Tile Co 500 S Santa Fe  
Dr Denver 23 Colo  
Robinson Clay Product Co 65 West State  
St Akron 9 Ohio  
Robinson Plywood & Timber Co PO Box  
904 Everett Wash  
Robot Appliances Inc 7041 Orchard St  
Dearborn Mich  
Rocco Prods Inc 2916 Fourth Ave Minne-  
apolis Minn  
Rocform Corp 15160 W 8-Mile Rd Detroit  
Rock Island Millwork Co Factory Div  
Rock Island Ill  
Rockaway Sales Co Rt 46 Rockaway 22 NJ  
Rockcote Paint Co 200 Sayre St Rockford  
Ill  
Rockford Brick & Tile Co Rockford Ill  
Rockwell Mfg Delta Power Tool Div 400  
N Lexington Pittsburgh 8 Pa  
Rockwell of Randolph Inc Randolph Wis  
Rodalie Mfg Co Inc Sixth & Minor Sts  
Emmaus Pa  
Roddis Plywood Corp 1155 Palmetto  
Marshfield Wis  
Roddiscraft Inc Arcata Cal  
Roe Justus & Sons 1 Roe Court Patchogue  
LI NY  
Rohm & Haas Co Washington Sq Phila-  
delphia 5 Pa  
Rolscreen Co Main St Pella Iowa  
Romar Filter Corp 120 W Melvina St Mil-  
waukee 12 Wis  
Rome-Turney Radiator Co Canal St Rome  
NY  
Root-Lowell Corp 445 N Lake Shore Dr  
Chicago Ill  
Roper Geo D Corp Kankakee Ill  
Rosboro Lumber Co PO Box 1698 Spring-  
field Ore  
Roseburg Lumber Co Roseburg Ore  
Roseman Tractor Equipment Co 2610  
Crawford Ave Evanston Ill  
Round David & Sen Inc PO Box 883  
Cleveland 22 Ohio  
Rowe Mfg Co 614 W 3rd St Galesburg Ill  
Royal Jalousie 1036 E 24 St Hialeah Fla  
Royal Woodwork Inc 235 S 11 St Reading  
Pa  
Rubensoid Co 500 Fifth Ave NYC 36  
Rudean N H Co Inc 2940 Girard Ave S  
Minneapolis 8 Minn  
Rudiger-Lang Co 310 Intl Trade Mart  
New Orleans La  
Rudiger-Lang Co 2701 8th St Berkeley Cal  
Ruslander & Sons Inc 18 Letchworth St  
Buffalo 13 NY  
Russell & Erwin Div American Hardware  
Corp 102 Washington St New Britain  
Conn

Russell F C Co Columbiana Ohio  
Rust-Oleum Corp 2425 Oakton St Evans-  
ton Ill  
Rutland Fire Clay Co Curtis Ave Rutland  
Vt  
Ruid Mfg Co 2025 Factory St Kalamazoo  
24 Mich  
Rybolt Heater Co 615 Miller Ashland O  
Ryerson Joseph T & Son 16th & Rock-  
well Sts Chicago Ill

**S**

S-K Laboratories Inc 2220 Langley St  
Baltimore Md  
Sacramento Brick Co PO Box 843 Sacra-  
mento 4 Cal  
Safe Padlock & Hdwe Co Second &  
Crystal Sts Lancaster Pa  
Safetee Glass Co 4717 Stenton Ave Phila-  
delphia 44 Pa  
Safety Nail Driver Corp 70 Rosalie St  
Clifton NJ  
Safway Steel Products Inc 6221 W State  
St Milwaukee 13 Wisc  
Sager Weatherstrip & Caulking 6726 S  
Ashland Ave Chicago 36 Ill  
Saginaw Shingle Co Box 512 Aberdeen  
Wash  
St Charles Mfg Co Tyler Rd St Charles Ill  
Saint Paul Corrugating Co S End Wa-  
basha St Bridge St Paul 7 Minn  
St Paul & Tacoma Lumber Co 1220 St  
Paul Ave Tacoma Wash  
St Regis Paper Co Panelyte Div 150 East  
42 St New York 17 NY  
Samece Wm J Iron Co 917 Military Rd  
Kenmore 17 NY  
Samson Cordage Works 470 Atlantic Ave  
Boston 10 Mass  
Samuel Stamping & Enameling Co Chat-  
taanooga Tenn  
Sands Level & Tool Co 601 Clinton St  
Clinton Ind  
Sani-Glas Inc Amsterdam NY  
Sani-Top Inc 4610 S Main St Los Angeles  
Santa Anita Mfg Co 4961 Double Dr  
Temple City Cal  
San-Tex Stone Quarry Inc 4130 Broadway  
San Antonio Tex  
Sanymetal Products Co Inc 1705 Urbana  
Rd Cleveland 12 Ohio  
Sapolin Paints Inc 205 42 St NYC  
Sargent & Co 45 Water St New Haven 9  
Conn  
Sargent-Gerke Co 323 West 15th Indian-  
apolis 6 Ind  
Sasgen Derrick Co 3101 West Grand Ave  
Chicago 22 Ill  
Saturday Evening Post Curtis Publishing  
Co Independence Square Phila Pa  
Savgran Co 25 Huntington Ave Boston  
16 Mass  
Sawhill Tubular Products Inc Fabricating  
Div Sharon Pa  
Schaible Co 5801 Marimont Ave Cincin-  
nati 4 Ohio  
Schalk Chemical Co 351 N Second St Los  
Angeles 12 Cal  
Scharf J H Mfg Co 6120 Binney St Omaha  
4 Neb  
Scheidrich H J Co 4460 Louisville Ave  
Louisville 9 Ky  
Schenck William & Co Evans City Pa  
Schield Bantam Co 262 Park St Waverly  
Iowa  
Schlage Lock Co 2201 Bay Shore Blvd  
San Francisco 24 Cal  
Schlegel Mfg Co 1555 Jefferson Rd  
Rochester 1 NY  
Schumacher F E Co 200 Mill St Hartville  
Ohio  
Schundler F E & Co Inc 504 Railroad St  
Joliet Ill  
Schwartz Mfg Co Lester Prairie Minn  
Schwerd A F Mfg Co 3215 McClure Ave  
Pittsburgh 12 Pa  
Screens & Fabric Metals Corp 34 St &  
Flank Rd N Bergen NJ  
Sea-Chrome Inc 1032 S Gerhart Ave Los  
Angeles 22 Cal  
Seal-A-Door Co 712 N W Sixth Ave Ft  
Lauderdale Fla  
Seal-All Clip Co 4376 W Pasadena Ave  
Flint Mich  
Seal Rite Caulking Co 369 Midland Ave  
Highland Park 3 Mich  
Sealtite Insulation Mfg Corp 115 Madison  
St Waukesha Wisc  
Searcy Flooring & Lumber Co Searcy Ark

Seattle Cedar Lumber Mfg Co 4703 Bal-  
lard Ave Seattle 7 Wash  
Security Companies The 20096 James  
Couzens Detroit 35 Mich  
Seddon Co Box 36 Springfield Ohio  
Sedgwick Machine Works 80 8th Ave NYC  
Seidlitz Paint & Varnish Co 18th & Gar-  
field St Kansas City 10 Mo  
Selby Battersby & Co 5220 Whitby Ave  
Philadelphia 43 Pa  
Selck Walter E & Co 223 West Hubbard  
Chicago 10 Ill  
Selfridge Co 5606 Euclid Ave Cleveland O  
Semling-Menke Co S Nast St Merrill Wisc  
Seneca Wire & Mfg Co Fostoria Ohio  
Sentry Corp 1917 W Oxford St Philadel-  
phia 21 Pa  
Sentry Stop-A-Draft Co 715 St Clair Ave  
N W Cleveland 13 Ohio  
Sequoia Mfg Co 1090 Brittan Ave San  
Carlos Cal  
Servicised Prods Corp 6051 W 65 St Chi-  
cago 38 Ill  
Shadyside Foundry PO Box 507 Martins  
Ferry Ohio  
Shake-A-Ply Co PO Box 7 N Portland Ore  
Shakertown Corp 20310 Kinsman Rd  
Cleveland Ohio  
Sharon Hardware Mfg Co PO Box 670  
Sharon Pa  
Sharon Steel Corp Sharon Pa  
Shawnee Mfg Co Inc 1947 N Topeka  
Topeka Kan  
Sheffield Bronze Paint Corp 17814 Water-  
loo Cleveland 19 Ohio  
Sheffield Div Armo Steel Corp Sheffield  
Station Kansas City 25 Mo  
Shelby Metal Prods Co PO Box 525  
Shelby Ohio  
Shelby Spring Hinge Co Shelby Ohio  
Shepard Niles Crane & Hoist Corp 410  
Schuyler Ave Montour Falls NY  
Shepard Elevator Co 500 Brotherton Rd  
Cincinnati Ohio  
Shepler Mfg Co 1115 Arlington Ave  
Pittsburgh 33 Pa  
Sheridan Press Brick & Tile Co Box 732  
Sheridan Wyo  
Sherle-Wagner 123 E 57 St New York NY  
Sherman H B Mfg Co 22 Barney St Battle  
Creek Mich  
Sherman Prods Inc 3200 W 14 Mile Rd  
Royal Oak Mich  
Sherwin-Williams Co 101 Prospect Ave  
N W Cleveland 1 Ohio  
Shirley Corp 330 East St Joseph Indian-  
apolis 2 Ind  
Shopmaster Div Energy Mfg Co 100 N  
Main St Monticello Iowa  
Shower Door Co of America 1 Perma-  
lume Pl N W Atlanta 18 Ga  
Showerfold Door Corp 6585 W Warren  
Ave Detroit Mich  
Shuford Mills Inc PO Drawer 340 Hick-  
ory NC  
Sibley Edward L Mfg Co Inc 222 W Main  
St Bennington Vt  
Signal Electric Div King-Seeley 1821 13th  
St Menominee Mich  
Signode Steel Strapping Co 2600 N West-  
ern Ave Chicago 47 Ill  
Sika Chemical Corp 35 Gregory Ave  
Passaic NJ  
Silcrest Co 100 Thomas St Wausau Wisc  
Silent Glow Oil Burner Co 850 Windsor  
St Hartford Conn  
Silent Hoist & Crane Co 841 63rd St  
Brooklyn NY  
Silicones Div Union Carbide 30 East 42  
St New York 17 NY  
Silphane Corp of America 165 W 46 St  
New York NY  
Silver Bells Ltd PO Box 982 Carmel Cal  
Silvercote Prods Inc 161 E Erie Chicago  
Silvray Lighting Inc 100 West Main St  
Bound Brook NJ  
Simmonds Abrasive Co Tacony & Fraley  
St Philadelphia Pa  
Simonds Saw & Steel Co 470 Main St  
Fitchburg Mass  
Simplex Forms System 5605 Industrial  
Ave Rockford Ill  
Simplex Level Co PO Box 329 Jackson  
Mich  
Simpson Logging Co Shelton Wash  
Simpson Mark Mfg Co Inc 32-28 49th St  
LIC 3 NY  
Simpson Redwood Co Arcata Cal  
Sin-Jin Products Co 5236-40 Fairlawn  
Ave Baltimore 15 Md  
Skill Corp 5033 Elston Ave Chicago 30 Ill

Skuttle Milford Mich  
Skyline Industries Sales Inc 1900 Skyline  
Dr Titusville Pa  
Slant-Fin Radiator Corp 87-49 130th St  
Richmond Hill NY  
Slaymaker Lock Co 115 S W End Ave  
Lancaster Pa  
Slide Master Glass Door & Window PO  
Box 2006 Van Nuys Cal  
Slide-View Door Co 1547 N Tyler Ave  
El Monte Cal  
Sloan I J Scaffold Bracket Co PO Box  
6399 Minneapolis 23 Minn  
Sloan Valve Co 4300 W Lake St Chicago  
Smith A O Corp Permaglas Div PO Box  
28 Kankakee Ill  
Smith Alexander Inc 295 Fifth Ave NYC  
Smith-Corona Marchant Inc 701 E Wash-  
ington Syracuse 1 NY  
Smith H B Co Westfield Mass  
Smith J Lee & Co Inc 25 Ann St NYC  
Smith M R Shingles Co 327 White Bldg  
Seattle Wash  
Smith Seymour & Son Oakville Conn  
Smith T L Co 2835 N 32 St Milwaukee  
Wisc  
Smith W T Lumber Co Chapman Ala  
Smith Hoist Mfg Co PO Box 205 Casop-  
olis 6 Mich  
Smoot-Holman Co PO Box 4097 Ingle-  
wood Cal  
Smooth-On Mfg Co 574 Communipaw  
Jersey City 4 NJ  
Snellstrom Lumber Co PO Box 449 Eu-  
gene Ore  
Solvay Process-Allied Chemical Dye 61  
Broadway New York 6 NY  
Sommer Metalcraft Corp 315 Poston Rd  
Crawfordsville Ind  
L Sonneborn Sons Inc 404 Fourth Ave  
New York 16 NY  
Sonoco Prods Co Construction Prods Div  
South St Hartsville SC  
Soss Mfg Co 21777 Hoover Rd Detroit 3  
Soule Steel Co 1750 Army St San Fran-  
cisco Cal  
Sound Sidewall Shake Co PO Box 866  
Chehalis Wash  
Southern Cement Co American-Marietta  
605 Protective Life Birmingham 3 Ala  
Southern Mill & Mfg Co 525 S Troost  
Tulsa 1 Okla  
Southern Pine Lumber Co Diboll Tex  
Southern Plaswood Corp PO Box 123  
Hope Ark  
Southern Sash Sales & Supply Co 818  
Twentieth St Sheffield Ala  
Southern Screw Co Box 1360 Statesville  
NC  
Southington Hardware Div Pittsburgh  
Screw & Bolt Corp 168 Center St South-  
ington Conn  
Southwestern Plastic Pipe Co Box 117  
Mineral Wells Tex  
Southwood Corp 4400 Marsalis Fort Worth  
Tex  
Spanjers A J Co 6351 N Lilac Dr Minne-  
apolis Minn  
Spartan Steel Products Corp 1230 Oak  
Point Ave Bronx New York  
Speakman Co 30th & Spruce Sts Wilming-  
ton 99 Del  
Speed Queen Div McGraw-Edison Co PO  
Box 332 Ripon Wisc  
Speedway Mfg Div Thor Power Tool Co  
1834 S 52nd Ave Cicero 50 Ill  
Spencer Heater Lyeomg Div-Aveo 652  
Oliver St Williamsport Pa  
Spokane Sash & Door Co PO Box 68  
Spokane Wash  
Spotnails Inc 1527 Lyons Evanston Ill  
Sprayon Equipment Co 18055 James  
Couzen Detroit 35 Mich  
Square D Co 6060 Rivard Detroit 11 Mich  
Stafco Products Corp Gulf Bldg Pitts-  
burgh Pa  
Stahl Metal Prods 3490 W 140 St Cleve-  
land Ohio  
Stamford Wallpaper Co Inc 153 Green-  
wich Ave Stamford Conn  
Standard Brick & Tile Corp 123 N W  
Fourth St Evansville 8 Ind  
Standard Building Products Co 621 Mc-  
Donald Ave Brooklyn 18 NY  
Standard Coated Prods Inc Buchanan NY  
Standard Dry Wall Products Inc PO Box X  
New Eagle Pa  
Standard Electric Mfg Co Inc Haddon  
Ave W Berlin NJ  
Standard Electrical Tool Co 2490 River  
Rd Cincinnati 4 Ohio

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Standard Equipment Co 3175 Fulton Brooklyn NY  
 Standard Homes Co 2524 L St N W Washington 7 DC  
 Standard Lime & Cement Co First Natl Bank Bldg Baltimore 3 Md  
 Standard Paste & Glue Co Inc 3620 W 38 St Chicago 32 Ill  
 Standard Register Co Campbell & Albany Dayton 1 Ohio  
 Standard Steel Cabinet Co 3711 N Milwaukee Chicago Ill  
 Standard Steel Works Inc 16th & Howell N Kansas City Mo  
 Standard-Toch Chemicals Inc 2600 Richmond Terrace Staten Island NY  
 Standard Veneer & Timber Co Crescent City Cal  
 Standard Wire Cloth & Screen PO Box 386 Brookhaven Miss  
 Stanley Building Specialties Co 1890 N E 146 St N Miami 6 Fla  
 Stanley Electric Tools 480 Myrtle St New Britain Conn  
 Stanley Tools 111 Elm New Britain Conn  
 Stanley Works New Britain Conn  
 Stanthony Corp 5341 San Fernando Rd W. Los Angeles 39 Cal  
 Star Expansion Industries Corp Mountainville NY  
 Starfire Div Bettinger Corp Sumner St Milford Mass  
 Starline Inc 300 W Front St Harvard Ill  
 Starrett L S Co 101 Crescent St Athol Mass  
 State Metal Awnings Inc 131 Shonnard St Syracuse NY  
 State Steel Industries Inc 11302 S U S Hwy 101 Anaheim Cal  
 Sta-Tite Inc 4020 N Port Washington Ave Milwaukee 12 Wis  
 Stay-Tite Products Co 9460 Steinway Ave Cleveland 4 Ohio  
 Stearns Mfg Co Inc 900 E Beecher Adrian Mich  
 Steel Corner Tape Corp 121-07 133rd St Ozone Park LI NY  
 Steel Door Corp 2400 E Lincoln Rd Birmingham Mich  
 Steel Partitions Inc PO Box 807 Jamestown NY  
 Steel Scaffolding Co Uniontown Pa  
 Steelcrete Mfg Co 3418 Gratiot St St Louis  
 Steelcraft Mfg Co 9017 Blue Ash Rd Cincinnati 42 Ohio  
 Stephens-Adams Mfg Co 274 Ridgeway Ave Aurora Ill  
 Sterling Awning Co Bldg Materials Div PO Box 245 Belpre Ohio  
 Sterling Electronic Door Corp 223 W Second St Rock Falls Ill  
 Sterling Faucet Co Morgantown W Va  
 Sterling John Corp Richmond Ill  
 Sterling Precision Plastics Div 1302 Expressway Dr Toledo 8 Ohio  
 Sterling Quality Products Inc 184 Commercial St Malden 48 Mass  
 Stewart Industries Inc 320 E St Joseph Indianapolis Ind  
 Stewart Iron Works Inc 2218 Stewart Block Cincinnati 1 Ohio  
 Stewart S J Electric Co 527-531 St Joseph New Orleans 12 La  
 Stewart-Warner Corp Heating & Air Conditioning Div Lebanon Ind  
 Stic-Klip Mfg Co Inc 50 Regent St Cambridge Mass  
 Stiefel Earl E 129 W Water St Kerrville Tex  
 Stiglitz Corp 2007 Portland Ave Louisville Ky  
 Stillwater Clay Products Co 20800 Center Ridge Rd Cleveland 16 Ohio  
 Stimmel Winch Co Inc 37-24 33rd St LIC 1 NY  
 Stone Electric Prods Co 333 Monroe Ave Kenilworth NJ  
 Stone Creek Brick Co Stone Creek Ohio  
 Stone Machinery Co 316 Fayette St Manlius NY  
 Stone Products Co PO Box 58 Reno Nev  
 Storm King Corp 505 E Pearl St Miamiburg Ohio  
 Storts John & Sons Inc 210 Vine St Philadelphia 6 Pa  
 Stone Works Inc 131 S Union St Middletown Pa  
 Stow Mfg Co 272 Shear St Binghamton NY

Strait & Richards Inc 23-43 Selva St Newark 8 NJ  
 Straitsville Brick Co New Straitsville O  
 Stran-Steel Corp Div Natl Steel Corp Detroit 29 Mich  
 Stratton Terstegge Co PO Box 311 New Albany Ind  
 Streater Drain Tile Co West Tenth St Streater Ill  
 Studebaker-Packard Corp South Bend Ind  
 Sturdi-Bilt Steel Prods Inc 2501 Peterson Ave Chicago 45 Ill  
 Stylon Corp Summer St Box 341 Milford Mass  
 Sub Zero Freezer Co Inc PO Box 2017 Madison Wis  
 Suburban Propane Gas Corp Box 206 Whippany NJ  
 Sullivan Co The 212 E Trigg Memphis 2 Tenn  
 Summit Pressed Brick & Tile Co 13th & Erie Pueblo Ohio  
 Summit Sales Co Box 636 Everett Wash  
 Summitville Tiles Inc Summitville Ohio  
 Sumo Pumps 23 Brown House Rd Stamford Conn  
 Sun Screen Products Co 2220 N Division St Spokane 21 Wash  
 Sun Valley Industries Inc 8354 San Fernando Sun Valley Cal  
 Sun Valley Industries 4528 W 51 St Chicago Ill  
 Sunbeam Plastics Corp PO Box 4638 Station A Evansville Ind  
 Suncraft Inc 1315 W Webster Ave Chicago 14 Ill  
 Sunroc Corp Glen Riddle Pa  
 Sunset Plywood Co 6067 District Blvd Los Angeles Cal  
 Sunwarm Inc Box 263 Kingsport Tenn  
 Super Concrete Emulsions 1372 E 15th Los Angeles 21 Cal  
 Super Mill Co Everett Wash  
 Superflame Queen Prods Inc 902 Marshall Albert Lee Minn  
 Super-Structures Inc 1015 S Jefferson Albert Lea Minn  
 Superior Clay Corp Lock Drawer 352 Uhrichville Ohio  
 Superior Electric Co 83 Laurel St Bristol Conn  
 Superior Fastener Corp 2940 Elston Ave Chicago 18 Ill  
 Superior Fireplace Co 4325 Artesia Ave Fullerton Cal  
 Superior Industries Inc 3786 Oakwood Ave Youngstown 9 Ohio  
 Superior Scaffold Co 5624 Bankfield Ave Culver City Cal  
 Superior Window Co 625 E Tenth Ave Hialeah Fla  
 Superwood Corp 14th Ave West & Waterfront St Duluth Minn  
 Supradur Corp of NY 122 E 42 St NYC  
 Supreme Products Corp 2222 S Calumet Chicago Ill  
 Surface Protection Co 16799 Euclid Ave Cleveland 12 Ohio  
 Swanson Mfg Co 607 S Washington Owosso 1 Mich  
 Swartwout Co 18511 Euclid Ave Cleveland 12 Ohio  
 Swift Business Machines Corp 51 Church Great Barrington Mass  
 Swiveller Co Inc Nanuet NY  
 Sylvania Elec Prods Inc 1740 Broadway New York 19 NY  
 Symons Clamp & Mfg Co 4261 Diversey Ave Chicago 39 Ill  
 Syntron Co 618 Lexington Ave Homer City Pa  
 Syral Mfg Co 511 N State St Syracuse NY  
 Syro Steel Co 1170 State St Girard O

**T**

T I M Mfg Co 536 Bransten Rd San Carlos Cal  
 Taber Bushnell & Co Inc Metropolitan Bldg Minneapolis Minn  
 Taco Heaters Inc 1160 Cranston St Cranston 9 RI  
 Tait Mfg Co 500 Webster St Dayton O  
 Talk-A-Phone Co 1512 S Pulaski Rd Chicago 23 Ill  
 Talk-A Radio Mfg Co Box 11727 Dallas 18 Tex  
 Tamblyn Systems 1455 28th Ave Columbus Neb

Tamm Industries Co 228 N LaSalle St Chicago 1 Ill  
 Tappan Co 250 Wayne St Mansfield O  
 Tavart Co PO Box 187 Paramount Cal  
 Taylor Bedding Mfg Co Ins-Cotton Div Taylor Tex  
 Taylor Halsey W Co 1259 N Park Ave Warren Ohio  
 Taylor James L Mfg Co 128 Parker Ave Poughkeepsie NY  
 Taylor Lock Co 2034 W Lippincott Philadelphia 32 Pa  
 Taylor Made Garage Doors Inc 19800 Fitzpatrick Detroit 28 Mich  
 Taylor Stone Co McDermott Ohio  
 Techbuilt Inc 127 Mt Auburn St Cambridge Mass  
 Tectum Corp 105 S Sixth Newark Ohio  
 Tedrick Bros Mfg Co Inc Box 167 Kent Wash  
 Temco Inc 4101 Charlotte Ave Nashville 9 Tenn  
 Temperature Appliance Mfg Co Box 281 Sebastopol Cal  
 Tennant G H Co 721 North Lilac Dr Minneapolis 22 Minn  
 Tennessee Coal & Iron Div US Steel PO Box 599 Fairfield Ala  
 Tennessee Fabricating Co 1490 Grimes St Memphis Tenn  
 Tennessee Stone Co Inc 705 Broadway N E Knoxville 17 Tenn  
 Tennessee Stone Works 14th & Holtzclaw Chattanooga Tenn  
 Tensison Bros Inc 450 N Bellevue Memphis 4 Tenn  
 Termite Drills Inc 90 North Lotus Ave Pasadena Cal  
 Tex-A-Panel Mfg Co 10948 Harry Hines Dallas Tex  
 Texas Brick Co Box 510 Brownwood Tex  
 Texas Quarries Inc PO Box 91 Austin Tex  
 Texas Vermiculite Co PO Box 6306 Dallas 22 Tex  
 Texas Vitrified Pipe Co Box 117 Mineral Wells Tex  
 Textboro Cabinet Corp PO Box 48 Mineral Wells Tex  
 Texoak Flooring Co PO Box 480 Crockett Tex  
 Textileather Div Gen Tire Rubber Toledo 3 Ohio  
 Textron Metals Co 39 James St Girard O  
 Thatcher Furnace Co Center St Garwood NJ  
 Thermador Electric Mfg Co 5119 District Blvd Los Angeles 22 Cal  
 Thermo Rite Mfg Co 323 N Arlington St Akron 5 Ohio  
 Ther-Mo Roof Inc 4328 Alief Rd PO Box 6913 Houston 5 Tex  
 Thilmany Pulp & Paper Co Thilmany Rd Kaukauna Wis  
 Thomas Industries Inc 410 S Third St Louisville 2 Ky  
 Thomas Industries Inc Electric Spraylit Div 1415 Illinois Ave Sheboygan Wis  
 Thomas Moulding Floor Co Inc 325 West Huron St Chicago 10 Ill  
 Thompson E A Co Inc Western Merchandise Mart San Francisco 3 Cal  
 Thomson Oak Flooring Co Old Warrenton Rd Thomson Ga  
 Thor Power Tool Co State & Claim Sts Aurora Ill  
 Therland Automatic Fire Alarms 1463 Greenwood Ave San Carlos Cal  
 Three Rivers Plywood & Timber Darrington Wash  
 Thru-H A & Co Peru Ind  
 Tibbals Flooring Co PO Box 218 Oneida Tenn  
 Tiffany Mfg Co Inc 3640 N W 41 St Miami Fla  
 Tiger Brands Div Basic Inc 845 Hanna Bldg Cleveland 15 Ohio  
 Tilemaster Corp 4400 N Harlem Ave Chicago 31 Ill  
 Tile-Rite Co 4105 Harvard Ave Cleveland 4 Ohio  
 Tiletone Co 2323 N Wayne Ave Chicago  
 Tilley John S Ladders Co Inc 112 Second St Watervliet NY  
 Tilt-A-Door Corp 3800 East Outer Dr Detroit Mich  
 Timber Engineering Co 1319 18th St N W Washington 6 DC  
 Timber Fabricators Inc Box 417 Perry Fla  
 Timber Fasteners Inc 1485 Bayshore Blvd San Francisco Cal

Timber Products Co PO Box 1032 Medford Ore  
 Timber Structures Inc 3400 N W Yeon Ave Portland Ore  
 Tinnerman Products Inc Dept 16 PO Box 6688 Cleveland 1 Ohio  
 Titus Mfg Corp Hwy 20 West Waterloo Iowa  
 Toastmaster Div McGraw-Edison Elgin Ill  
 Toch Bros 2600 Richmond Terrace Staten Island 3 NY  
 Today's Home Fawcett Publishing Corp 67 W 44 St New York 17 NY  
 Toledo Desk & Fixture Co 1020 Ford Rd Maumee Ohio  
 Toledo Plate & Window Glass Co 1042 Utica St Toledo Ohio  
 Topcraft Inc 4207 Menlo Dr Baltimore Md  
 Toridheat Div Cleveland Steel Products Corp 16025 Brookpark Rd Cleveland O  
 Torq Time Controls Inc 1 S Grove St Mt Vernon NY  
 Touch Plate Mfg Corp PO Box 1970 Long Beach 1 Cal  
 Tractomotive Corp Deerfield Ill  
 Tracy-American Kitchens 3125 Preble Ave Pittsburgh 33 Pa  
 Trade-Wind Motorfans Inc Div Robbins & Myers 7755 Paramount Pl Pico Rivera Cal  
 Trane Co Second & Cameron La Crosse Wis  
 Trego Industries Box 211 Red Oak Tex  
 Tremco Mfg Co 8701 Kinsman Rd Cleveland Ohio  
 Tremont Lumber Co Joyce La  
 Triangle Conduit & Cable Co Inc Triangle & Jersey Aves New Brunswick NJ  
 Triangle Mfg Co 708 Division St Oshkosh Wis  
 Trimco Metal Prods 6304 Olive St Rd St Louis 5 Mo  
 Trim-Slide Inc Fulton & Potter St Farmingdale LI NY  
 Trimview Metal Products 600 N Third St Covina Cal  
 Trio Letters Inc 329 Woodlawn Aurora Ill  
 Trion Inc 1000 Island Ave McKees Rock Pa  
 Triplett Lumber Co Inc Box 1764 Charlotte NC  
 Triplex Heating Specialty Co Inc 252 N Grant St Peru Ind  
 Tri-Saw Corp 2207 Hanley Indust St Louis 5 Mo  
 Troy Sunshade Co Grant St Troy Ohio  
 True Temper Corp 1623 Euclid Ave Cleveland 15 Ohio  
 Tru-Line Co 707 Locust St De Moines Iowa  
 Truscon Labs Inc Grand Trunk Hwy Detroit Mich  
 Truscon Steel Div Republic Steel Corp 1050 Albert St Youngstown 1 Ohio  
 Tubular Inc 4260 24th St Sacramento Cal  
 Tubular Structures Corp of America 2960 Marsh St Los Angeles 39 Cal  
 Tuck-Aire Furnace Co 2045 Evans Ave San Francisco Cal  
 Tucker Duck & Rubber Co 515 Garrison Ave Ft Smith Ark  
 Tuferete Co Inc 502 E Locust St Des Moines 9 Iowa  
 Turner & Seymour Mfg Co Lawton St Torrington Conn  
 Turner Brass Works 821 Park Ave Syracuse Ill  
 Turner Mfg Co PO Box 987 Salisbury Rd Statesville NC  
 Twentieth Century Paint & Varnish 436 Driggs Ave Brooklyn 11 NY  
 Tyee Lumber Mfg Co 765 Myrtle Ave Seattle Wash  
 Tylac Co Greely & High Monticello Ill  
 Tyler Arthur F Co 167 Haggood St Athol Mass  
 Tyler Refrigeration Corp Lake St Niles Mich  
 Typhoon Air Conditioning Co Div Hupp Corp 905 Carroll St Brooklyn 15 NY  
 Typhoon Heat Pump Co Div Hupp Corp 200 Garcia Ave Tampa Fla

U

Underwood Corp 1 Park Ave NYC  
 Uni-Crest Div United Cork Foot of Central Ave Kearney NJ

Uniflow Mfg Co 1525 E Lake Rd Erie Pa  
 Union Asbestos & Rubber Co 2900 W Vermont Blue Island Ill  
 Union Carbide Plastics Co Div Union Carbide Corp 30 East 42nd St NYC  
 Union Machine Co 708 Colfax Ave Kenilworth NJ  
 Union Tool Co 48 E River St Orange Mass  
 Union Twist Drill Co 70 Monroe St Athol Mass  
 Unique Balance Div S H Fomeroy Co 41 Magee Ave Stamford Conn  
 Unistrut Prods Co 933 Washington Blvd Chicago 7 Ill  
 Unit Crane & Shovel Corp 6411 W Burnham St Milwaukee 19 Wis  
 Unit Structures Inc Peshtigo Wis  
 United Brick & Tile Co 903 McGee St Kansas City 42 Mo  
 United Gilsomite Laboratories 1396 Jefferson Ave Scranton 1 Pa  
 United Industries Inc 231 S LaSalle Chicago 4 Ill  
 United Metal Cabinet Corp 8 E 36 St NYC  
 United Wallpaper Co 3101 S Kedzie Ave Chicago 23 Ill  
 United States Air Compressor Co 5300 Harvard Ave Cleveland Ohio  
 United States Air Conditioning Corp PO Box 360 Delaware Ohio  
 United States Ceramic Tile Co Fourth & Walnut Sts Canton Ohio  
 U S Expansion Bolt 500 State St York Pa  
 United States Gypsum Co 300 W Adams St Chicago 6 Ill  
 U S Mineral Wool Co Stanhope NJ  
 United States Plywood Corp 55 W 44 St New York 36 NY  
 United States Plywood Corp Mutual Plywood Operations PO Box 18 Eureka Cal  
 U S Plywood Corp Shasta Div PO Box 1688 Redding Cal  
 U S Protective Coatings Inc 1308 Court Sq Bldg Baltimore 2 Md  
 United States Register Co 344 E Burnham St Battle Creek Mich  
 United States Rubber Co 1230 Sixth Ave New York 20 NY  
 United States Steel Corp 525 William Penn Pittsburgh 39 Pa  
 United States Steel Products Div U S Steel 30 Rockefeller Plaza NYC  
 United Steel Fabricators Inc 333 Gasche St Wooster Ohio  
 United Steel Prods Co 1820 Shakopee Rd Minneapolis Minn  
 Universal Atlas Cement Div U S Steel Corp 100 Park Ave New York 17 NY  
 Universal Blower 1090 S Adams Ave Birmingham Mich  
 Universal Fabricators 1785-1829 Boone Ave New York 60 NY  
 Universal Form Clamp Co 1238 N Kostner Ave Chicago 51 Ill  
 Universal Mfg Co 3333 Eastshore Hwy Richmond Cal  
 Universal Mfg Corp W New Castle Zelenople Pa  
 Universal Motor Co 517 Universal Dr Oshkosh Wis  
 Universal Plan Service 1620 S E Ankeny St Portland 14 Ore  
 Universal Potteries Cambridge Ohio  
 Universal Pulleys Co Inc 330 N Mosley Wichita Kan  
 Universal-Rundle Corp Box 960 New Castle Pa  
 Universal Window Co 950 Parker St Berkeley 16 Cal  
 Upton Co The Stevens St Lockport NY  
 Utica Radiator Corp 2201 Dwyer Ave Utica 2 NY  
 Utility Service Co 1620 13 St Racine Wis

V

Valley Metal Products 222 Young St Marcellus Ill  
 Valley Metal Prods Co Bridge St Plainwell Mich  
 Valspar Corp 7 E Lancaster Ave Ardmore Pa  
 Van-Packer Co Div Flintkote Co 1232 McKinney Ave Chicago Heights Ill  
 Vance Industries Inc 7401 W Wilson Ave Chicago Ill  
 Vancouver Plywood Co 1010 Washington Vancouver Wash  
 Vaughan & Bushnell Mfg Co 135 S LaSalle Chicago 3 Ill

Veach-May-Wilson Inc 1199 Wright Rd Alcoa Tenn  
 Vega Industries Inc Uni-Bilt 713 Glen Ave Syracuse 5 NY  
 Venetian Blind Prods Co 600 Camelia St Berkeley Cal  
 Vent-A-Hood Co 1067 Plantation Rd Dallas 35 Tex  
 Vente Steel Products Co Inc 250 Colorado Ave Buffalo 15 NY  
 Ventrola Mfg Co 501 S Chestnut St Owosso Mich  
 Vermeer Mfg Co 1448 W Washington Fella Iowa  
 Vermiculite-Northwest Inc 2107 N 34th Seattle Wash  
 Vermet Marble Co Proctor Vt  
 Verne Corp Columbus Ind  
 Versa Products Co Lodi Ohio  
 Vestal Mfg Co PO Box 152 Sweetwater Tenn  
 Vibro Plus Prods Inc Stanhope NJ  
 Victalite Co of America PO Box 500 Elizabeth NJ  
 Victor Adding Machine Co 3900 N Rockwell St Chicago Ill  
 Victor Inc 15 Maple Ave Paoli Pa  
 Victor Prods Corp 901 Pope Ave Hagerstown Md  
 Victor Tool & Machine Corp 1207 Ann St St Joseph Mich  
 Viking Mfg Corp 1747 Chester Ave Cleveland 14 Ohio  
 Vikon Tile Corp Washington NJ  
 Vinyl Plastics Inc 1825 W Erie Ave Sheboygan Wis  
 Virden John C Co 6009-6103 Longfellow Cleveland Ohio  
 Virginia Metal Products Inc Dept A 44 Orange Va  
 Virginia Oak Flooring Co Inc PO Box 969 Pulaski Va  
 Visador Co 8500 Sovereign Row Dallas Tex  
 Visiting Co 6738 W 65th St Chicago Ill  
 Vita-Vac Corp 10 Commerce Ct Newark NJ  
 Vitro Mfg Co Div Vitro Corp of America 60 Greenway Dr Pittsburgh 4 Pa  
 Volkswagon of America Inc 476 Hudson Terrace Englewood Cliffs NJ  
 Voss Washer Co Kellogg Iowa  
 Vulcan Electric Co 88 Holten St Danvers Mass  
 Vulcan Metal Prods Inc 2801 6th Ave S Birmingham Ala  
 Vulcan Radiator Co 775 Capitol Ave Hartford Conn  
 Vun-Russ Co Inc Box 1145 1090 E 16 St Hialeah Fla

W

W M Products Co 5425 Blossom Houston Tex  
 Wabash Screen Door Co 310 S Michigan Ave Chicago 4 Ill  
 Waco Mfg Co 3565 Wooddale Ave Minneapolis Minn  
 Wadsworth Howland & Co 80 Bedford St Boston Mass  
 Wadsworth Millwork Corp 416 Main St Wadsworth Ohio  
 Wagner Iron Works 1905 S First St Milwaukee 1 Wis  
 Wagner Mfg Co 122 W First St Cedar Falls Iowa  
 Wahlstrom Bros Inc Natl Div 273 W Alameda Ave Burbank Cal  
 Waldorf Heater Co 1421 Chestnut St Philadelphia 2 Pa  
 Walker T V & Sons Inc 217 N Lake St Burbank Cal  
 Wall Plugs Inc 8347 S Racine Chicago Ill  
 Wallace J D & Co Inc Warsaw Ind  
 Wallace Mfg Co Tenth & Fayette N Kansas City Mo  
 Walters Mfg Co 140 Pennsylvania Oakmont Pa Allegheny City  
 Walworth Co 750 Third Ave NYC 17  
 Ware Laboratories Inc 3700 N W 25 St Miami Fla  
 Warp Bros 1100 N Cicero St Chicago Ill  
 Warren-Knight Co 136 N 12 St Philadelphia 7 Pa  
 Warren Shade Co Inc 2907 E Hennepin Ave Minneapolis Minn  
 Warren Tool Corp PO Box 791 Warren O

- Wasco Products Inc Bay State Rd Cambridge 38 Mass  
Washburn Co 28 Union St Worcester Mass  
Washington Steel Prods 1940 East 11 St Tacoma 2 Wash  
Waste King Corp 3300 East 50 St Los Angeles 58 Cal  
Watco-Dennis Corp 1640 20th St Santa Monica Cal  
Water-Boss PO Box 501 Herndon Va  
Waterfilm Boilers 154 Ogden Ave Jersey City NJ  
Waterloo Register Co Inc Waterloo Iowa  
Waterman-Waterbury Co 1121 N E Jackson St Minneapolis Minn  
Watsontown Brick Co Watsontown Pa  
Waukesha Motor Co St Paul Ave Waukesha Wisc  
Waylite Co 20 N Wacker Dr Chicago 6 Ill  
Wayne Chemical Prods Co Copeland & MCRR Detroit 17 Mich  
Wayne Home Equipment Co Inc 801 Glasgow Ave Fort Wayne 4 Ind  
Weather Seal Inc 324 Wooster Rd Barberton Ohio  
Weatherbest Corp 986 Oliver St N Tonawanda NY  
Weather-Bloc Co Inc 3718 N Southport Ave Chicago 13 Ill  
Weatherproof Products Corp Waldo Station Box 8498 Kansas City 5 Mo  
Webb Industries Inc Bay Village Ohio  
Webb Mfg Co Inc 211 E Main Rd Conneaut Ohio  
Weber Showcase & Fixture Co PO Box 11065 Kearney Station Los Angeles  
Weber Showcase & Fixture Co Inc 1340 Monroe Ave N W Grand Rapids Mich  
Weber Veneer & Plywood Co Shawano Wisc  
Webster H E Lumber Co 1416 R A Long Bldg Kansas City 6 Mo  
Webster Electric Co 1900 Clark St Racine Wisc  
Webster Warren & Co 17th & Federal Sts Camden 5 NJ  
Wedgewood-Holly Appliance Co 8356 Hays St Culver City Cal  
Well-McLain Co Blaine St Michigan City Ind  
Well Pump Co 1530 N Fremont St Chicago  
Weis Henry Mfg Co 941 Oak St Elkhart Ind  
Weiser Co 8635 Otis St South Gate Cal  
Weiskittle Harry C 5001 Fulaski Hwy Baltimore Md  
Wel-Bilt Products Co 917 Farnsworth Bldg Memphis 1 Tenn  
Welbilt Steve Co 57-18 Flushing Ave Maspeth NY  
Wells Aluminum Corp N Liberty Ind  
Wells J W Lumber Co 2231 10th St Menominee Mich  
Welsh Plywood Corp 1228 N Hollywood Memphis Tenn  
Wea Products Inc 5806 N W Hwy Chicago 31 Ill  
Werner Canvas Prods Co 110 New York Ave Brooklyn 16 NY  
Werner B D Co Inc 295 Fifth Ave NYC  
Wesix Electric Heater Co 390 First St San Francisco Cal  
Wessels Co 1625 E Euclid Ave Detroit 11 Mich  
West Allis Concrete Prods Co 8704 W Schlinger Milwaukee Wisc  
West Beatrice Color Inc 184 E 72 St NYC  
West Coast Plywood Co PO Box 1180 Aberdeen Wash  
West Virginia Brick Co Charleston Va  
West Wind Corp 1800 Airport Way Seattle 4 Wash  
Western Door & Plywood Corp 1835 N W 17 St Portland 4 Ore  
Western Lime & Cement Co 125 East Wells St Milwaukee Wisc  
Western Lock Mfg Co 2075 Belgrave Huntington Park Cal  
Western Metal Specialty Co 1211 N 62 St Milwaukee 13 Wisc  
Western Pine Mfg Co 315 E Jackson St Spokane 7 Wash  
Western States Stone Co PO Box 312 Santa Clara Cal  
Westinghouse Electric Appliance Div 246 East 4th St Mansfield Ohio  
Westinghouse Electric Corp PO Box 868 Pittsburgh Pa  
Weyerhaeuser Lumber Co Tacoma Bldg Tacoma Wash
- Weyerhaeuser Sales Co 1st Natl Bank Bldg St Paul 1 Minn  
Wheeling Corrugating Co 1134 Market St Wheeling W Va  
Wheeling Steel Corp 1134-1140 Market St Wheeling W Va  
White Creek Shingle Co Rockport Wash  
White David Instrument Co 2051 N 19 St Milwaukee 5 Wisc  
White Motor Co 842 E 79 St Cleveland O  
White Pine Sash Co E 4005 Broadway Spokane Wash  
White Products Corp 98 E Main St Middleville Mich  
White Rodgers Co 1209 Cass Ave St Louis  
Whiteman Mfg Co 13020 Pierce Ave Pacoima LA Cal  
Whitney Baxter D & Son Inc 507 Jackson Box 3428 Greensboro NC  
Whitney Vincent Co Box 335 Sausalito Cal  
Whizzer Industries Inc 350 S Sanford St Pontiac Mich  
Wickwire Bros 189 Main St Cortland NY  
Wiegand Edwin L Co 7500 Thomas Blvd Pittsburgh 8 Pa  
Wilbur & Williams Co 130 Lincoln St Brighton 35 Mass  
Wilcolator Co 1001 Newark Ave Elizabeth NJ  
Wiley R & W Inc 119 Dearborn St Buffalo 7 NY  
Wilke Metal Prods Inc Schofield Wisc  
Willamette Valley Lumber Co Box 5 Dallas Ore  
Will-Burt Co Dept AB Orrville Ohio  
Williamina Clay Prods Co PO Box 6383 Tigard 23 Ore  
Williams J L & Sons Sheridan Ark  
Williams Oil-O-Matic Heating Co Div Natl Union Electric Corp 851 W Third Ave Columbus 8 Ohio  
Williams & Voris Hardwood Co Jackson Miss  
Williams & Voris Lumber Co Chattanooga 7 Tenn  
Williams & Williams Prods Corp 326-28 E 44 St New York 17 NY  
Williamson Co 3500 Madison Rd Cincinnati 9 Ohio  
Willingham Little Stone Co 11 Pryor St S W Atlanta Ga  
Willys Motors Inc 940 Cove Blvd Toledo Ohio  
Wilson Grant Inc 141 W Jackson Blvd Chicago 4 Ill  
Wilson J G Corp 370 Lexington Ave NYC  
Wilson L S Mfg Co 371 E 116 St Chicago  
Wincharger Corp East Seventh & Division Sts Sioux City Iowa  
Winco Ventilator Co 533 Bittner St St Louis 15 Mo  
Winalume Corp Rt 46 Kenvil NJ  
Windowmaster Corp 6600 N W 32 Ave Miami 47 Fla  
Winfield Door Corp Muncy Ave West Babylon NY  
Winner Mfg Co Inc Box 399 Trenton 3 NJ  
Winpower Mfg Co 1225 First Ave Newton Iowa  
Winsulite Mfg Co The 725 N Central Ave Baltimore 2 Md  
Winter Seal Corp 14575 Meyers Rd Detroit  
Winton Lumber Sales Co 3100 W Lake St Minneapolis 2 Minn  
Wire Specialties Co 651 Walsh Ave Santa Clara Cal  
Wiremold Co Hartford 10 Conn  
Wisco Inc 4615 Michigan Ave Detroit 10  
Wisconsin Clock Co Inc 921 S Second St Milwaukee Wisc  
Wisconsin Finish Door Co 12550 Merriman Rd Livonia Mich  
Wiss J & Sons Co 33 Littleton Ave Newark 7 NJ  
Witt Cornice Co 4454 Steel Pl Cincinnati 14 Ohio  
Witte Engine Works US Steel Corp 1600 Oakland Ave Kansas City 26 Mo  
Wodack Electric Tool Corp 4627 W Huron St Chicago 44 Ill  
Wolverine Porcelain Enameling Co 3350 Scotten Ave Detroit 10 Mich  
Wolverine Tube Calumet & Hecla Inc 17206 Southfield Rd Allen Park Mich  
Wood Alan Steel Co. Ivy Rock Rd Conshohocken Pa  
Wood Conversion Co 1st Natl Bank Bldg St Paul 1 Minn  
Wood John Co Heater & Tank Div 100 Washington St Conshohocken Pa
- Wood Metal Industries Kreamer Snyder County Pa  
Wood-Mosaic Inc Eagan Ave Louisville Ky  
Wood Shovel & Tool Box 818 Piqua O  
Wood Specialty Prods Inc 24300 W 60 St Mount Lake Terrace Wash  
Wood Treating Chemicals Co 5137 Southwest Ave St Louis 10 Mo  
Woodall Industries Inc 3500 Oakton Ave Skokie Ill  
Woodco Corp 34th St & Plank Rd N Bergen NJ  
Woodmack Products Inc 540 Commercial San Jose 12 Cal  
Woodside Engineering Co 9206 Grand Ave Franklin Park Ill  
Woodville Lime Products Co 2140 Jefferson Ave Toledo 2 Ohio  
Woodward Lee L Sons Oswego Mich  
Woodward Lumber Co Joseph Vance Bldg Seattle 1 Wash  
Wooley Stone Co Inc PO Box 49 Bloomington Ind  
Wooster Brush Co 600 Madison Ave Wooster Ohio  
Wooster Products Inc Loehr & Wyant Sts Wooster Ohio  
Wooster Sealcoke Co PO Box 285 Cassopolis 6 Mich  
Worthington Corp Harrison NJ  
Wright Power & Saw Tool Corp Sub Thomas Industries 410 S Third St Louisville Ky  
Wright Prods Inc St Paul Park Minn  
Wright Tile Co Div Mastic Tile Corp 5200 Post Oak Rd Houston Tex  
Wurdack Chemical Co 4977 Fyler Ave St Louis 9 Mo  
Wyandotte Chemicals Corp Biddle Ave Wyandotte Mich

X

X-Pando Corp 43-15 36th St LIC 1 NY

Y

Yale & Towne Mfg Co 11000 Roosevelt Philadelphia 15 Pa  
Yale & Towne Mfg Co 11 S Broadway White Plains NY  
Yamhill Plywood Co PO Box 538 McMinnville Ore  
Yankee Hill Brick Mfg Co RFD 1 Lincoln 8 Neb  
Yates-American Machine Co 729 Fourth St Beloit Wisc  
Yawkey-Bissell Hardwood Flooring Co White Lake Wisc  
Yeck Mfg Co 579 Tecumseh St Dundee Mich  
Yenkin-Majestic Paint Corp E Fifth Ave at Leonard Ave Columbus Ohio  
Yeomans Bros Co 1999 N Ruby St Melrose Park Ill  
Yoder Mfg Co 1823 E 17 St Little Rock Ark  
York Corp Subsidiary Borg-Warner Grantley Rd York Pa  
York-Shipley Inc Jessop & PRR York Pa  
York Wall Paper Co 750 Linden Ave York Pa  
Young L A Spring & Wire Corp 498 Lehman Ave Bowling Green Ohio  
Young Radiator Co 709 S Marquette St Racine Wisc  
Youngblood Lumber Co 1335 Central Ave Minneapolis 13 Minn  
Youngstown Kitchens Warren Ohio  
Youngstown Mfg Inc 60-66 S Prospect Youngstown Ohio  
Youngstown Sheet & Tube Co PO Box 900 Youngstown 1 Ohio

Z

Zahner Mfg Co 310 W 29th St Kansas City 8 Mo  
Zegers Inc 8090 S Chicago Ave Chicago  
Zink John Co 4401 S Peoria Tulsa 5 Okla  
Zinsser William & Co 516 W 59 NYC  
Zonolite Co 135 S LaSalle St Chicago 3 Ill  
Zoss Ladder & Mfg Co 4901 S W Macadam Ave Portland 1 Ore  
Zurn Industries Inc Plumbing Products Div 1881 Pittsburgh Ave Erie Pa

# PRODUCTS & EQUIPMENT DIRECTORY

This directory lists, alphabetically, every type of building product. Under each of the product-headings are the many manufacturers who make it. Start looking here; section continues for 46 pages 

3

## Abrasive Paper & Cloth

Abrasive Products Inc  
Bay State Abrasive Products Co  
Behr-Manning Corp  
Carborundum Co  
Dewalt Div AMF  
Merit Products Inc  
Minnesota Mining & Mfg Co  
Pittsburgh Plate Glass Co  
Thor Power Tool Co

## Access Doors

(See Doors, Access)

## Acoustical Materials

(See also Plaster, Acoustical)

Adel Clay Products Co  
Armstrong Cork Co  
Baldwin Hill Co  
Bestwall Certain-Feed Sales Corp  
Celotex Corp  
Cemex of Arizona  
Cupples Products Corp  
E G Building Fasteners Corp  
Erdie Perforating Co Inc  
Goodrich B F Co  
The W W Henry Co  
Insulite Co  
Johns-Manville Corp  
Kaiser Gypsum Co Inc  
Keasbey & Mattison Co  
L-O-F Glass Fibers Co  
Lockport Mills Inc  
Mastro Plastics Corp  
National Aluminum Co  
National Gypsum Co  
Owens-Corning Fiberglas Corp  
Pioneer Div The Flintkote Co  
Quaker State Metals Co  
Reynolds Metals Co  
Rigidized Metals Corp  
Schundler F E & Co Inc  
Simpson Logging Co  
Taylor Bedding Mfg Co Ins-Cotton Div  
Tectum Corp  
Texas Vermiculite Co  
Tiger Brands Div Basic Inc  
United States Gypsum Co  
U S Mineral Wool Co  
Wood Conversion Co  
Zonolite Co

## Adhesives

A & F Tileboard Co  
Abesto Mfg Co  
Aetna Plywood & Veneer Co  
Ambroid Co  
American Blitrite Rubber Co  
American Bitumuls & Asphalt Co

American Sta-Dri Co  
Armstrong Cork Co  
Asphalt Corp of America  
Azrock Floor Products Div  
Barclay Mfg Co Inc  
Barrett Div Allied Chemical Corp  
Bird & Son Inc  
Bonafide Mills Inc  
Borden Chemical Co Div Borden Co  
Bruce E L Co  
Cabot Samuel Inc  
Cambridge Tile Mfg Co  
Camp Co Inc  
Carey Philip Mfg Co  
Congoleum-Nairn Inc  
Consoweld Corp  
Crown Tile Corp  
Dad & Lad Co  
Dasco Co Inc  
Devices Inc Miracle Adhesives  
Dodge Cork Co Inc  
DuPont de Nemours E I & Co Inc  
Elastizell Corp of America  
Findley F G Co  
Flexrock Co  
Flintkote Co  
Formica Corp  
Fuller H B Co  
General Tire & Rubber Co Bldg Mat Div  
Goodrich B F Co  
Goodrich B F Industrial Products Co  
Hachmeister-Inc  
Harbor Plywood Corp  
Hayes Adhesives Co Inc  
The W W Henry Co  
Higgins Industries Inc  
Insulite Co  
Johns-Manville Corp  
Kentile Inc  
Kochton Plywood & Veneer Co Inc  
Koppers Co Inc  
LePage's Inc  
Lux Co Inc  
Madison Glue Corp  
Marsh Wall Products Inc  
Marvan Corp  
Mastic Tile Corp of America  
Midcontinent Adhesive Co  
Midwest Plywood Co  
Milwaukee Plywood Co  
Minnesota Mining & Mfg Co  
Miracle Adhesives Corp  
Miraplas Tile Co  
Monsanto Chemical Co  
Moore Goodloe E Inc  
Mortell J W Co  
National Adhesive Div  
National Casein Co  
National Floor Prods Co  
Nicholson & Co  
Pecora Inc  
Pioneer Div The Flintkote Co  
Pittsburgh Plate Glass Co  
Plastic Products Co  
Plymold Co  
Prestile Mfg Co

Roddis Plywood Corp  
Ruberoid Co  
St Regis Paper Co Panelyte Div  
Schalk Chemical Co  
Selck Walter E & Co  
Sheffield Bronze Paint Corp  
Silvercote Prods Inc  
L Sonneborn Sons Inc  
Standard Paste & Glue Co Inc  
Stay-Tite Products Co  
Tammis Industries Co  
Tex-A-Panel Mfg Co  
Thomas Moulding Floor Co Inc  
Tilemaster Corp  
Tufcrete Co Inc  
Tylac Co  
United States Plywood Corp  
United States Rubber Co  
United Wallpaper Co  
Wallace Mfg Co  
Wasco Products Inc  
Wright Tile Co Div Mastic Tile Corp  
Wurdack Chemical Co  
X-Pando Corp

## Aggregates for Roofing (See Roofing, Aggregates for)

## Aggregates, Lightweight

Carter-Waters Corp  
Dasco Co Inc  
Dodson Mfg Co Inc  
Graybeal C R & Sons  
Great Lakes Carbon Corp Perlite Div  
Johns-Manville Corp  
Norton Co  
Schundler F E & Co Inc  
Texas Vermiculite Co  
Tiger Brands Div Basic Inc  
Vermiculite-Northwest Inc  
Waylite Co  
Zonolite Co

## Air Cleaners

(See also Dehumidifiers)

American Air Filter Co  
Lennox Industries Inc  
Mueller Climatrol Div Worthington Corp  
Radex Corp  
Research Products Corp  
Rybolt Heater Co  
Skuttle  
Trion Inc  
Westinghouse Electric Corp

## Air Compressors

C & H Electric Machine Co  
Carrier Corp

Chicago Pneumatic Tool Co  
 Dayton Electric Mfg Co  
 Devilbiss Co  
 Dunham C A Co  
 Gardner-Denver Co  
 George F C Machine Co  
 Ingersoll-Rand Co  
 Jaeger Machine Co  
 Le Roi Div Westinghouse Air Brake Co  
 Lithibar Co  
 Master Mechanic Mfg Co  
 Pittsburgh Plate Glass Co  
 Thomas Industries Inc Electric Sprayit Div  
 United States Air Compressor Co  
 Worthington Corp

### Air Conditioners, Baseboard

Barkow Aug G Mfg Co Inc  
 Carrier Corp  
 Premier Furnace Co  
 Typhoon Air Cond Co Div Hupp Corp  
 Woodsaid Engineering Co

### Air Conditioners, Central Systems

Acme Industries Inc  
 Airtemp Div Chrysler Corp  
 Amana Refrigeration Inc  
 American Furnace Co  
 American Standard Air Conditioning Div  
 American Standard American Blower Div  
 American Standard Plumbing & Heating  
 Arkla-Servel Corp  
 Armstrong Furn Co Div Natl U E  
 Bard Mfg Co  
 Barkow Aug G Mfg Co Inc  
 Bryant Mfg Co  
 Burnham Boiler Corp  
 Burnham Corp Berger Furnace Div  
 Carrier Corp  
 Chattanooga Royal Co  
 Clarrage Fan Co  
 Coleman Co Inc  
 Comfort Products Inc  
 Coolerator McGraw-Edison  
 Crane Co  
 Day & Night Mfg Div  
 Delco Appliance Div General Motors  
 Dowagiac Steel Furnace Co  
 Drayson-Hanson Div Natl U S Radiator  
 Dunham Bush-Inc  
 Dunham C A Co  
 Embassy Steel Prods Inc  
 Fresh-nd-Aire Div Cory Corp  
 Frigidaire Div General Motors Corp  
 General Air Conditioning Corp  
 General Automatic Prods Corp  
 General Electric Co Air Cond Dept  
 General Electric Co Appliance & TV Div  
 Gibson Refrigerator Co  
 Gilbert & Barker Mfg Co  
 Great Northern Mfg Corp  
 Halstead & Mitchell  
 Hell-Quaker Corp  
 Henry Furnace Co  
 Holly-General Co  
 Hotpoint Co  
 Janitrol Heating & Air Conditioning  
 Johnson S T Co  
 Kelvinator Div American Motors Co  
 Lennox Industries Inc  
 Majestic Co Inc  
 Master Mechanic Mfg Co  
 Mayflower Air-Conditioners Inc  
 McQuay Inc  
 Meyer Furnace Co  
 Modine Mfg Co  
 Morrison Steel Products Inc  
 Mueller Climatrol Div Worthington Corp  
 Muncie Gear Co  
 National Gas Equipment Co Inc  
 National U S Radiator Corp  
 Niagara Furnace Div  
 Olsen C A Mfg Co  
 Patten J V Co  
 Payne Co  
 Peerless Corp

Penn Boiler & Burner Mfg Corp  
 Perfection Industries Div Hupp Corp  
 Philco Corp  
 Pioneer Mfg Co  
 Premier Furnace Co  
 RCA Whirlpool Appliance Corp  
 Radiation Furnace Corp  
 Reflectotherm Inc  
 Remington Air Conditioning Div  
 Rempe Co  
 Rheem Mfg Co  
 Rittling Corp  
 Roberts Gordon Appliance Corp  
 Ryboit Heater Co  
 Sequoia Mfg Co  
 Smith A O Corp Permaglas Div  
 Stewart-Warner Corp  
 Stratton Terstegge Co  
 Thatcher Furnace Co  
 Trane Co  
 Typhoon Air Conditioning  
 United States Air Conditioning Corp  
 Viking Mfg Corp  
 Waterman-Waterbury Co  
 Webster Warren & Co  
 Weil-McLain Co  
 Westinghouse Electric Corp  
 Williams Oil-O-Matic Heating Co  
 Williamson Co  
 Wood John Co Heater & Tank Div  
 Worthington Corp  
 York Corp Sub Borg-Warner  
 Young Radiator Co

### Air Conditioners, Room Units

Admiral Corp  
 Airtemp Div Chrysler Corp  
 Amana Refrigeration Inc  
 American Standard American Blower Div  
 Barkow Aug G Mfg Co Inc  
 Brown Prods Co  
 Carrier Corp  
 Coolerator McGraw-Edison  
 Delco Appliance Div General Motors  
 Drayson-Hanson Div  
 Emerson Electric Mfg Co  
 Emerson Radio & Phone Corp  
 Fresh-nd-Aire Div Cory Corp  
 Frigidaire Div General Motors Corp  
 General Electric Co Air Cond Dept  
 General Electric Co Appl & TV Div  
 Gibson Refrigerator Co  
 Hotpoint Co  
 Kelvinator Div American Motors Co  
 Kritzer Radiant Coils Inc  
 McQuay Inc  
 Morrison Steel Products Inc  
 Mueller Climatrol Div Worthington Corp  
 National-U S Radiator Corp  
 Perfection Industries Div Hupp Corp  
 RCA Whirlpool Appliance Corp  
 Remington Air Conditioning Div  
 Welbilt Stove Co  
 Westinghouse Electric Appliance Div  
 York Corp Sub Borg-Warner

### Air Conditioning Controls (See Controls, Heating & Air Conditioning)

### Alarms, Fire & Burglar

Benjamin Electric Co  
 Diebold Inc  
 Edwards Co Inc  
 Federal Sign & Signal Corp  
 Home Music Systems Inc  
 Mosler Safe Co  
 Thorland Automatic Fire Alarms

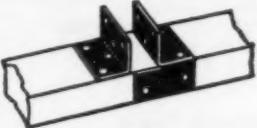
### Aluminum Pipe (See Pipe & Tubing, Aluminum)

### Aluminum Roofing (See Roofing & Siding, Aluminum)

### Aluminum Windows (See Windows & Doors, Combination)

### Anchors, Building

Ackerman Johnson Co  
 Adams Co  
 Akron Products Co  
 Arro Expansion Bolt Co  
 Baumgartner Gate Factory  
 Chicago Expansion Bolt Co  
 Cincinnati Iron Fence Co Inc  
 Cleveland Steel Specialty Co  
 Coffman R G Co Inc  
 Conver Steel & Wire Co  
 Copperweid Steel Co  
 Dayton Sure-Grip & Shore Co  
 Diamond Expansion Bolt Co Inc  
 Donley Brothers Co  
 Flash Bridge Co



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 Kees F D Mfg Co  
 Laclede Steel Co  
 Lanebro Mfg Co  
 Merwin Mfg Co  
 Met-Cro Specialties Co Inc  
 Molly Corp  
 Nalle Plastics Inc  
 Paine Co  
 Polls Mfg Co  
 Ramset Fastening System  
 Rawplug Co Inc  
 Sommer Metalcraft Corp  
 Star Expansion Industries Corp  
 Tennison Bros Inc  
 U S Expansion Bolt Co  
 Universal Form Clamp Co  
 Wagner Mfg Co  
 Wall Plugs Inc  
 Woodmack Products Inc  
 Yeck Mfg Co

### Appliances, Kitchen (See Dishwashers, Ovens, Ranges, etc.)

## Areawalls & Guards

Acme-Newport Steel Co  
Adams Co  
Armed Drainage & Metal Products  
Cleveland Steel Specialty Co  
Donley Brothers Co  
Gabriel Steel Co  
Harris Inc  
Kewanee Mfg Co  
Majestic Co Inc  
Morgan-Wightman Co  
Saint Paul Corrugating Co  
Syro Steel Co  
Tennison Bros Inc  
United Steel Fabricators Inc  
Vestal Mfg Co  
Wheeling Corrugating Co

## Asbestos Cement Board (See Wallboard, Asbestos Cement)

## Asbestos Cement, Roofing & Shingles (See Roofing, Asbestos Cement)

## Asphalt Tile (See Tile, Asphalt, Floor)

## Awnings & Canopies, Canvas (See Canvas, Canvas Products)

## Awnings & Canopies, Metal

Berg F O Co  
Brown Mfg Co  
Carey-McFall Co  
Chamberlin Co of America  
Clearview Dorwindo Corp  
Consolidated General Prod Inc  
Hastings Aluminum Products Inc  
Hettrick W E & Son Co  
Humphrey Products Inc  
Hunter Douglas Alum Corp  
Jones Shutter Products  
Kawner Co  
Koolvent Metal Awning Corp of America  
Leigh Bldg Prods Div

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Textron Metals Co  
Troy Sunshade Co  
Venetian Blind Prods Co  
Victor Tool & Machine Corp

## Awnings & Canopies, Plastic

Chamberlin Co of America  
International Molded Plastics  
Jones Shutter Products  
Ray-O-Lite Corp of America  
Weather Seal Inc

## Backhoes

Allis Chalmers Mfg Construction Mach  
American Hoist & Derrick Co  
Badger Div The Warner & Swasey Co  
Bucyrus-Erie Co  
Case J I Co  
Deere John & Co  
Ford Motor Co Tractor & Implement Div  
Gar Wood Industries Inc  
General Engines Co Inc  
Henry Mfg Co Inc  
Hough Frank G Co  
Koehring Co  
Massey-Ferguson Industrial Div  
Oliver Corp  
Ottawa Steel Young Spring Wire  
Roseman Tractor Equipment Co  
Shawnee Mfg Co Inc  
Sherman Prods Inc  
Tractomotive Corp  
Wagner Iron Works

## Balances, Sash (See Sash Balances)

## Barriers, Animal

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## Barriers, Vapor (See Vapor Barriers)

## Bars, Reinforcing (See Reinforcing Bars & Mesh)

## Base, Mold Metal (See Moldings, Metal)

## Base, Plastic (See Moldings, Plastic)

## Base, Rubber (See Moldings, Rubber)

## Bathroom Accessories (See also Vanities, Lavatory)

Adrian Div Hoover Ball & Bearing  
American-Olean Tile Co  
Autoyre Co  
Bache Semen & Co  
Bemis Mfg Co

Borg-Warner Corp  
Bridgeport Brass Co  
Carey Philip Mfg Co  
Cole Prods Corp  
Columbus Plastic Prods Inc  
Crane Co  
Cutler Metal Prods Co  
General Bathroom Products Corp  
General Chrome  
Glossade Inc  
Great Northern Mfg Corp  
Grote Mfg Co  
Hall-Mack Co  
Handy Things Mfg Co  
Hollaender Mfg Co  
Irmanton Products Co  
Ketcham G M Mfg Corp  
Kitchen Maid Corp  
Knappe & Vogt Mfg Co  
Kohler Co  
Kraus Walter S Co  
Lawson F H Co  
Lehman Sprayshield Co  
Lehon Co  
Miami Cabinet Div Philip Carey Mfg  
Mirro Chrome Co Inc  
Misceramic Tile  
Morgan-Wightman Co

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HALL-MACK  
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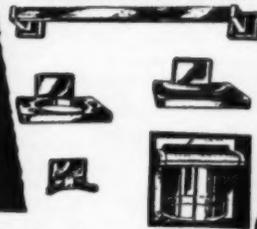
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Turner & Seymour Mfg Co  
Webb Industries  
Yale & Towne Mfg Co

**Bathroom Fixtures**  
(See Plumbing Fixtures)

**Bathroom Heaters**  
(See Heaters, Bathroom)

**Bathtub Enclosures**  
(See Doors, Shower & Bathtub)

**Bathtubs**  
(See Plumbing Fixtures)

**Bead, Corner Metal**  
(See Lath, Metal & Accessories)

**Beams, Concrete**  
West Allis Concrete Prods Co

**Beams, Steel**  
(See Steel, Structural)

**Beams, Wood, Laminated**

Jones Roof Structures Inc  
McKeown Bros Co  
Prefabricated Prods Co Inc  
Plico Laminated Prods Inc  
Super-Structures Inc  
Timber Structures Inc  
Unit Structures Inc

**Bells & Chimes, Door**  
(See Door Bells & Chimes)

**Birch Lumber**  
(See Lumber, Birch)

**Bits, Auger**  
(See Tools, Carpenter, Hand)

**Bits, Saw (See Saws)**

**Blackboards & Chalkboards**

Benjamin Electric Co  
Bestile Mfg Co  
Formica Corp  
Ingram-Richardson Mfg Co  
United States Plywood Corp

**Blades, Saw, Circular**

Deluxe Saw & Tool Co  
Heller Tool Co  
Milwaukee Elec Tool Corp  
Parker Mfg Co  
Recco Prods Inc  
Rockwell Mfg Delta Power Tool Div  
Skill Corp  
Speedway Mfg Div Thor Power Tool Co

**Blades, Saw, Masonry**

Bay State Abrasive Products Co  
Black & Decker Mfg Co  
Clipper Mfg Co  
Columbia Brick Works  
Dewalt Div AMF  
Eveready Brikaw Co  
General Engines Co Inc

Goldblatt Tool Co  
Milwaukee Elec Tool Corp  
Norton Co  
Remington Arms Co Inc  
Simmonds Abrasive Co  
Stone Machinery Co  
Thor Power Tool Co  
Victor Inc

**Blocks, Glass**  
(See Glass Blocks)

**Board, Insulating**  
(See Insulating Board)

**Boilers, Steam & Hot Water**  
(See Heating Systems, Hot Water & Steam)

**Fitzgibbons**

Quality Steel Boilers ·  
FITZGIBBONS BOILER COMPANY, INC.  
Field Sales Office and Plant  
OSWEGO, NEW YORK

**Bonding Agents, Plaster & Concrete**

Abeste Mfg Co  
Allied Compositions Co Inc  
Anti Hydro Waterproofing Co  
Barrett Div Allied Chemical Corp  
Bestwall Certain-Teed Sales Corp  
Camp Co Inc  
Ceresit Waterproofing Corp  
Dewey & Almy Chemical Div  
Goldblatt Tool Co  
Kay-Tite Co  
Larsen Products Corp  
Maguire Walter Co Inc  
National Gypsum Co  
Ohio Lime Co  
Penn Crete Prods Co  
Permagile Corp of America  
Pittsburgh Plate Glass Co  
L Sonneborn Sons Inc  
Standard Dry Wall Products Inc  
Sullivan Co  
Tamm Industries Co  
Tuferete Co Inc  
United States Gypsum Co  
Wurdeck Chemical Co

**Books, Building & Plan**  
(See Plans, Services & Books)

**Booster Pumps, Heating**  
(See Pumps, Booster)

**Brass Pipe**  
(See Pipe & Tubing, Brass)

**Breakfast Nooks**  
(See Nooks, Dining)

**Brick, Common & Face**

Acme Brick Co  
Acme Shale Brick Co Inc  
Adel Clay Products Co  
Belden Brick Co  
Black Hills Clay Products Co  
Bowerston Shale Co

Briech Brick Co  
Brookhaven Pressed Brick Mfg Co  
Builders Brick Co  
Charleston Clay Prods Co  
Cherokee Brick & Tile Co  
Chicago Fire Brick Co  
Clay City Pipe Co  
Columbia Brick Works  
Donnelly Brick Co  
Elgin-Standard Brick Mfg Co  
Empress Brick Service Co  
Gagnon Clay Products Co  
General Clay Products Co  
Hanley Co  
Harrisville Brick Co  
Hattiesburg Brick Works  
Hope Brick Works  
Humboldt Brick & Tile Co  
Illinois Brick Co  
Interstate Brick Co  
Jenkins Brick Co  
Kendrick Brick & Tile Co  
Ludowick-Celadon Co  
Mason City Brick & Tile  
Metropolitan Brick Inc  
Midland Brick & Tile Co  
Moorhead Brick & Tile Co  
Natco Corp  
Patton Clay Mfg Co  
Paxton Brick Co  
Peoria Brick & Tile Co  
Robinson Clay Product Co  
Rockford Brick & Tile Co  
Sacramento Brick Co  
Sheridan Press Brick & Tile Co  
Standard Brick & Tile Corp  
Stone Creek Brick Co  
Summit Pressed Brick & Tile Co  
Summitville Tiles Inc  
Texas Brick Co  
United Brick & Tile Co  
Watsonstown Brick Co  
West Virginia Brick Co  
Williamina Clay Prods Co  
Yankee Hill Brick Mfg Co

**Brick, Fire**

Elgin-Standard Brick Mfg Co  
Green A P Fire Brick Co  
Robinson Clay Product Co

**Brick Paint**  
(See Paints & Coatings, Concrete, Brick, Stucco)

**Brick, SCR**

Acme Brick Co  
Acme Shale Brick Co Inc  
Adel Clay Products Co  
Black Hills Clay Products Co  
Builders Brick Co  
Cherokee Brick & Tile Co  
Chicago Fire Brick Co  
Elgin-Standard Brick Mfg Co  
Humboldt Brick & Tile Co  
Interstate Brick Co  
Kendrick Brick & Tile Co  
Mason City Brick & Tile  
Metropolitan Brick Inc  
Natco Corp  
Peoria Brick & Tile Co  
Robinson Brick & Tile Co  
Rockford Brick & Tile Co  
Summit Pressed Brick & Tile Co  
United Brick & Tile Co

**Bridging, Steel**  
(See Steel, Structural)

**Buckets, Clamshell**

Koshring Co  
Ottawa Steel Young Spring Wire  
Schield Bantam Co

**Buckets, Concrete**

Bil-Jax Inc  
Koehring Co  
Massey-Ferguson Industrial Div  
Ottawa Steel Young Spring Wire  
Reeves Steel & Mfg Co Div  
United States Steel Products Div  
Wheeling Corrugating Co

**Building Paper  
(See Paper, Building)**

**Building Stone**  
Briar Hill Stone Co



**Buildings, Metal**

Arneo Drainage & Metal Products  
Asphalt Corp of America  
Belson Mfg Co  
Butler Mfg Co  
Ceco Steel Prods Corp  
Childers Mfg Co  
Cucker Mfg Co  
Inland Steel Products Co  
International Steel Co  
Luria Engineering Co  
Macomber Inc  
Mesker George L Steel Corp  
Nuside Metal Products Inc  
Prefabricated Prods Co Inc  
Republic Steel Corp  
Soule Steel Co  
Steelcraft Mfg Co  
Stran-Steel Corp Div Natl Steel Corp  
Truscon Steel Div Republic Steel Corp  
United Steel Fabricators Inc

**Bulldozers**

Allis Chalmers Mfg Construction Mach  
Arps Corp  
Case J I Co  
Caterpillar Tractor Co  
Deere John & Co  
Drott Mfg Corp  
Eimco Corp  
Ford Motor Co Tractor & Implement Div  
Gar Wood Industries Inc  
General Engines Co Inc  
Henry Mfg Co Inc  
Letourneau-Westinghouse Co  
Massey-Ferguson Industrial Div  
Oliver Corp  
Ottawa Steel Young Spring Wire  
Wagner Iron Works

**Business Systems & Forms**

Accountants Supply House  
Dick A B Co  
Diebold Inc  
Dodge F W Corp  
Egry Register Co  
Ideal System Co  
International Business Machines Corp  
Momar Industries  
Moore Business Forms Inc  
National Cash Register Co  
Remington Rand Div Sperry Rand  
Standard Register Co  
Sunroc Corp  
Tedrick Bros Mfg Co Inc  
Victor Adding Machine Co

**Cabinet Hardware  
(See Hardware, Cabinet)**

**Cabinets, Bookcase & Locker,  
Steel**

Lyon Metal Products Inc  
Wood Alan Steel Co

**Cabinets, Kitchen  
(See Kitchen Cabinets, Metal  
or Wood)**

**Cabinets, Medicine &  
Bathroom**

Adrian Div Hoover Ball & Bearing  
Atkins Wood Products Corp  
Bennett Mfg Co  
Carey Philip Mfg Co  
Columbia Metal Box Co  
Crane Co  
Farley & Loetscher Mfg Co  
Fuller W P & Co  
General Bathroom Products Corp  
Glass Shower Door Co Inc  
Glissade Inc  
Grote Mfg Co  
Ideal Mfg Co Div Wm Cameron & Co  
Ketcham G M Mfg Corp  
Kitchen Maid Corp  
Lau Blower Co  
Lawson F H Co  
Lehon Co  
Miami Cabinet Div Philip Carey Mfg  
Mirro Chrome Co Inc  
Morgan-Wightman Co



National Electric Prods Corp  
National Metal-Art Mfg Co  
National Vanity Co  
Ohio Window Glass Co  
Rieter Woodwork Speciality Co  
Standard Steel Cabinet Co  
Thomas Industries Inc  
Tiffany Mfg Co Inc  
Toledo Plate & Window Glass Co  
Topercraft Inc  
Tracy-American Kitchens  
United Metal Cabinet Corp

**Cabinets, Shower  
(See Shower Stalls)**

**Calcium Chloride  
(See Concrete, Calcium  
Chloride for)**

**Canvas, Canvas Products**

Berg F O Co  
Columbus Coated Fabrics Corp  
Fulton Cotton Mills  
Goss J C Co  
Hoosier Tarpaulin & Canvas Goods Co  
Industrial Canvas Prods Corp  
Reynolds Aluminum Supply Co  
Standard Coated Prods Inc  
Troy Sunshade Co

Tucker Duck & Rubber Co  
Werner Canvas Prods Co

**Carpeting**

American Biltrite Rubber Co  
Armstrong Cork Co  
Bigelow-Sanford Carpet Co Inc  
Hardwick & Magee Co  
Kingston Mills Inc  
Masland C H & Sons  
Smith Alexander Inc

**Carports, Prefabricated**

Childers Mfg Co  
Humphrey Products Inc  
Jones Shutter Products  
Orchard Bros Inc  
Panelfab Products Inc  
Pennsylvania Wire Glass Co  
Prefabricated Prods Co Inc  
Security Companies  
Techbuilt Inc  
Turner Mfg Co

**Casing, Metal  
(See also Lath, Metal or  
Moldings, Metal)**

Alabama Metal Lath Co Inc  
Bestwall Certain-Teed Sales Corp  
Bostwick Steel Lath Co  
Bradley Southern Div Pottatch Forests  
Casings Inc Drywall Trim Div  
Ceco Steel Prods Corp  
Colorado Fuel & Iron Corp  
Croft Metal Products Inc  
Fenestra Inc  
Goldsmith Metal Lath Co  
Inland Steel Products Co  
Miraplas Tile Co  
National Gypsum Co  
Penn Metal Co Inc  
Russell F C Co  
Soule Steel Co  
Steelcraft Mfg Co  
Truscon Steel Div Republic Steel Corp  
Vento Steel Products Co Inc

**Cast Iron Pipe  
(See Pipe, Cast Iron)**

**Caulking & Glazing  
Compounds**

Alside Inc  
American Asbestos Product Co  
American Sta-Dri Co  
Anti Hydro Waterproofing Co  
Arco Co  
Asphalt Corp of America  
Barclay Mfg Co Inc  
Barrett Div Allied Chemical Corp  
Biddle Co  
Calbar Paint & Varnish Co  
Carey Philip Mfg Co  
Ceresit Mfg Corp  
Chamberlin Co of America  
Dad & Lad Co  
Dennis W J & Co  
Devoe & Reynolds Co Inc  
Dicks, Armstrong, Pontius Inc  
Division Lead Co  
Douglas & Sturgess  
Flintkote Co  
Force-Flo Inc  
Forrers Div Spray-O-Bond Co  
Gagnon Clay Products Co  
Glidden Co  
Goldblatt Tool Co  
The W W Henry Co  
Horn A C Companies  
Johns-Manville Corp  
King E & F & Co Inc  
Larsen Products Corp

Lastik Prods Co Inc  
Lawrence W W & Co  
Macklanburg-Duncan Co  
Marsh Wall Products Inc  
Martin-Senour Co  
The McGuffie Co  
Minwax Co Inc  
Miracle Adhesives Corp  
Monroe Co Inc  
Mortell J W Co  
National Mfg Corp  
New England Carbide Tool Co Inc  
Parker Ira & Sons  
Parr Pair<sup>®</sup> & Color Co  
Pecora Inc  
Pioneer Div The Flintkote Co  
Pittsburgh Plate Glass Co  
Plastic Products Co  
Prestite-Keystone Engineering Products  
Quigley Co Inc  
Ranette Mfg Co  
Rockcote Paint Co  
Ruberoid Co  
Rutland Fire Clay Co  
Sager Weatherstrip & Caulking  
Schalk Chemical Co  
Seal Rite Caulking Co  
Sherwin-Williams Co  
Sika Chemical Corp  
Smooth-On Mfg Co  
L Sonneborn Sons Inc  
Stay-Tite Products Co  
Steelcote Mfg Co  
Sterling Quality Products Inc  
Sullivan Co  
Tamm Industries Co  
Toch Bros  
Tremco Mfg Co  
Truscon Labs Inc  
United Gilsonite Laboratories  
United States Gypsum Co  
X-Pando Corp

#### Cedar Lining, Closets

Chickamauga Cedar Co Inc  
Desoto Hardwood Flooring Co  
Giles & Kendall  
Osage Prods Co

#### Ceiling Jacks (See Jacks, Ceiling)

#### Ceiling Tile, Acoustical (See Plaster, Acoustical)

#### Ceilings, Suspended (See Lath, Metal)

#### Cellar Doors (See Doors, Cellar, Bulkhead, Metal)

#### Cement, Keenes

Celotex Corp  
Flintkote Co  
National Gypsum Co  
Ohio Lime Co  
United States Gypsum Co

#### Cement, Masonry

Alpha Portland Cement Co  
Ash Grove Lime & Portland Cement Co  
Chicago Fire Brick Co  
Corson G & W H Inc  
Dewey Portland Cement Co  
Flintkote Co  
Gagnon Clay Products Co  
General Portland Cement Co  
Ideal Cement Co

Kosmos Portland Cement Co  
Lehigh Portland Cement Co  
Lone Star Cement Corp  
Louisville Cement Co  
Marquette Cement Mfg Co  
Medusa Portland Cement Co  
Penn-Dixie Cement Corp  
Permanente Cement Co  
Pittsburgh Plate Glass Co  
Southern Cement Co American-Marietta  
Standard Lime & Cement Co  
Tiger Brands Div Basic Inc  
Universal Atlas Cement Div U S Steel  
Western Lime & Cement Co  
X-Pando Corp

#### Cement, Portland

Alpha Portland Cement Co  
Ash Grove Lime & Portland Cement Co  
Chicago Fire Brick Co  
Dewey Portland Cement Co  
Flintkote Co  
General Portland Cement Co  
Ideal Cement Co  
Kosmos Portland Cement Co  
Lehigh Portland Cement Co  
Lone Star Cement Corp  
Louisville Cement Co  
Marquette Cement Mfg Co  
Medusa Portland Cement Co  
Penn-Dixie Cement Corp  
Permanente Cement Co  
Pittsburgh Plate Glass Co  
Southern Cement Co American-Marietta  
Standard Lime & Cement Co  
Universal Atlas Cement Div

#### Cement, Roofing

Abesto Mfg Co  
American Asbestos Product Co  
Barrett Div Allied Chemical Corp  
Bird & Son Inc  
Borden Chemical Co Div Borden Co  
Camp Co Inc  
Carey Philip Mfg Co  
Celotex Corp  
Curtis Mfg & Asbestos Co  
Dad & Lad Co  
Dasco Co Inc  
Devoe & Reynolds Co Inc  
Donley Brothers Co  
Flexrock Co  
Flintkote Co  
Fry Lloyd A Roofing Co  
The W W Henry Co  
Horn A C Companies Div Sun Chem Corp  
Johns-Manville Corp  
Koppers Co Inc  
Lastik Prods Co Inc  
Lehon Co  
Logan-Long Co  
National Mfg Corp  
Pecora Inc  
Pittsburgh Plate Glass Co  
Prestite-Keystone Engineering Products  
Ruberoid Co  
Rutland Fire Clay Co  
L Sonneborn Sons Inc  
Sullivan Co  
Surface Protection Co  
United Gilsonite Laboratories  
United States Gypsum Co

#### Cement, Tile, Mastic Type

Alloy Tile Corp  
American Bitrite Rubber Co  
American Bitumuls & Asphalt Co  
Armstrong Cork Co  
Azrock Floor Products Div  
Barclay Mfg Co Inc  
Bonafide Mills Inc  
Borden Chemical Co Div Borden Co  
Camp Co Inc  
Crown Tile Corp

Dasco Co Inc  
Douglas & Sturgess  
Flintkote Co  
Hachmeister-Inc  
Hayes Adhesives Co Inc  
The W W Henry Co  
Lastik Prods Co Inc  
Marsh Wall Products Inc  
The McGuffie Co  
Midcontinent Adhesive Co  
Milwaukee Plywood Co  
Minnesota Mining & Mfg Co  
Miracle Adhesives Corp  
Moore Goodloe E Inc  
Pecora Inc  
Pittsburgh Plate Glass Co  
Plastic Products Co  
Prestite Mfg Co  
Reardon Co  
Schalk Chemical Co  
Seick Walter E & Co  
Standard Paste & Glue Co Inc  
Tamm Industries Co  
Wallace Mfg Co  
X-Pando Corp

#### Cement, Wallboard Joint

Barclay Mfg Co Inc  
Bestwall Certain-Teed Sales Corp  
Carey Philip Mfg Co  
Celotex Corp  
Coddington E D Mfg Co  
Hayes Adhesives Co Inc  
Marsh Wall Products Inc  
Miracle Adhesives Corp  
National Chemical & Mfg Co  
National Gypsum Co  
Penn Crete Prods Co  
Pittsburgh Plate Glass Co  
Reardon Co  
Ruberoid Co  
Rutland Fire Clay Co  
Schalk Chemical Co  
Tamm Industries Co  
United States Gypsum Co  
Upton Co The  
X-Pando Corp

#### Ceramic Tile (See Tile, Ceramic)

#### Chain Saws (See Saws, Chain)

#### Chimneys, Prefabricated (See also Fireplaces)

### McQuay Package Chimney

Available in new brick design or baked-on enamel finish to harmonize with any exterior.

- Stainless steel flue
- UL listed for all fuels
- Installs in one man hour
- All metal construction
- Extremely light weight
- Strong and durable
- Longest service life
- Thermo siphon design
- Tension spring construction
- Low installation cost
- Priced competitively
- Shipped complete

The finest package chimney available. Tests better because it's built better.

#### McQuay, Inc.

1699 Broadway St. N.E., Minneapolis 13, Minn.

Adams Co  
 Condensation Engineering Co  
 Flintkote Co  
 General Products Co  
 Majestic Co Inc  
 McQuay Inc  
 Metalbestos Div Wm Wallace Co  
 Morgan-Wightman Co  
 Van Packer Co Div Flintkote Co

### Van-Packer Chimneys save you time, money

- Install in 3 man hours
- Safe, permanent masonry
- Attractive brick-design panel housing in red, buff, white, gray
- UL listed for all fuels
- See display ad in Section 12.

For your Van-Packer jobber, see "Chimneys—Prefabricated" in Yellow pages or write Van-Packer Co, for Bulletin RS-1.

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

Van-Packer Company • Div. of Flintkote Co.  
 1232 McKinley Ave. • Chicago Heights, Ill.

### Circuit Breakers

Adam Frank Electric Co  
 Bulldog Electric Products Co  
 Cutler Hammer Inc  
 Federal Pacific Electric Co  
 General Electric Co Apparatus Sales  
 General Electric Co Circuit Prot Devices  
 Master Mechanic Mfg Co  
 Square D Co  
 Westinghouse Electric Corp

### Circular Saws (See Saws, Circular)

### Circulators, Hot Water Heating Systems (See Pumps, Booster)

### Cleaners, Vacuum Central Systems

H-P Products Inc  
 Holt Mfg Co  
 Kent Co Inc

### Clips, Concrete

Goldsmith Metal Lath Co  
 Merwin Mfg Co  
 Peterson Prods Co  
 Sommer Metalcraft Corp

### Clips, Furring

Cleveland Steel Specialty Co  
 Copperweid Steel Co  
 Dayton Sure-Grip & Shore Co  
 Merwin Mfg Co  
 Moore Goodloe E Inc  
 National Gypsum Co  
 Penn Metal Co Inc  
 Peterson Prods Co  
 Seal-All Clip Co  
 United States Gypsum Co

### Clips, Plaster Lath, Spring (See Lath, Metal & Accessories)

### Clips, Wallboard & Ceiling Tile (See Wallboard)

### Clocks, Built-In

Miller Howard Clock Co  
 R & H Guaranteed Products Co  
 Swanson Mfg Co  
 United Steel Prods Co  
 Wisconsin Clock Co Inc

### Closet Accessories

Acme Appliance Mfg Co  
 Atkinson Mfg Co  
 Autoyre Co  
 Home Comfort Mfg Co  
 Kees F D Mfg Co  
 Knappe & Vogt Mfg Co  
 Lawrence Brothers Inc  
 Leigh Bldg Prods Div

Macklanburg-Duncan Co  
 Masonite Corp  
 Mirro Chrome Co Inc  
 Russell & Erwin Div Amer Hdwe Corp  
 Stanley Works

### Closet Lining, Cedar (See Cedar Lining, Closets)

### Closets, Prefabricated

Caradeo Inc  
 Mengel Co  
 Tedrick Bros Mfg Co Inc  
 Western Pine Mfg Co

### Coatings, Concrete Floor (See Paints & Coatings, Concrete, Brick, Stucco)

### Coatings, Concrete Forms

National Mfg Corp  
 Re-Nu-It Corp  
 Sherwin-Williams Co  
 L Sonneborn Sons Inc  
 Sullivan Co The  
 Tufcrete Co Inc  
 Wood Treating Chemicals Co

### Coatings, Roof, Aluminum & Asphalt (See Paints & Coatings, Roof)

### Coatings, Wood Treatment (See Paints & Coatings, Wood Treatment)

### Color Consultants

Barreled Sunlight Paint Co  
 Minnesota Paints Inc

Pittsburgh Plate Glass Co  
 Sherwin-Williams Co  
 West Beatrice Color Inc

### Colors, Concrete & Plaster

Ceresit Waterproofing Corp  
 Chicago Bronze & Color Works  
 Colorcrete Industries Inc  
 Flexrock Co  
 Gagnon Clay Products Co  
 Hachmeister-Inc  
 Horn A C Companies  
 Interstate Brick Co  
 Landers Segal Color Co  
 Master Builders Co  
 Smith J Lee & Co Inc  
 L Sonneborn Sons Inc  
 Sullivan Co  
 Tamms Industries Co  
 Toch Bros  
 Truscon Labs Inc  
 Vitro Mfg Co Div Vitro Corp of America

### Columns, Metal (See Steel, Structural)

### Compounds, Anti-Freeze, Concrete

Anti Hyde Waterproofing Co  
 Ceresit Waterproofing Corp  
 Elastizell Corp of America  
 Flexrock Co  
 Horn A C Companies Div Sun Chem Corp  
 Master Builders Co  
 Ranetite Mfg Co  
 Sika Chemical Corp  
 L Sonneborn Sons Inc  
 Sullivan Co  
 Super Concrete Emulsions  
 Toch Bros  
 Wyandotte Chem Corp Mich Alk

### Compounds, Anti-Termite

Abesto Mfg Co  
 Barrett Div Allied Chemical Corp  
 Cabot Samuel Inc  
 Cre-O-Tox Chemical Co  
 Dow Chemical Co  
 Monsanto Chemical Co Organic Chem Div  
 National Mfg Corp  
 Phelan-Faust Paint Mfg Co  
 Protection Products Mfg Co  
 L Sonneborn Sons Inc  
 Sullivan Co  
 Watco-Dennis Corp  
 Wood Treating Chemicals Co

### Compounds, Concrete (See Concrete Hardeners & Sealers)

### Concrete Beams (See Beams, Concrete)

### Concrete Block Machines

Besser Co  
 Brikcrete Associates Inc  
 Dunn W E Co  
 Lithibar Co

### Concrete Blocks

General Concrete Products Inc  
 O'Kelly-Eccles Co  
 West Allis Concrete Prods Co

### Concrete, Calcium Chloride for

Columbia Southern Chem Corp  
Solvay Process-Allied Chem Dye  
Wyandotte Chem Corp Mich Alk

### Concrete Finishing Machines

Chain Belt Co  
Champion Mfg Co  
General Engines Co Inc  
Koehring Co  
Master Vibrator Co  
Muller Machinery Co Inc  
Remington Arms Co Inc  
Stow Mfg Co  
Thor Power Tool Co  
Whiteman Mfg Co

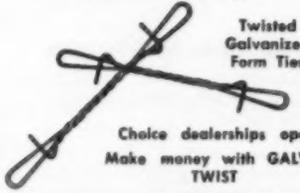
### Concrete Form Liners

Harbor Plywood Corp  
Masonite Corp  
St Paul & Tacoma Lumber Co  
Symons Clamp & Mfg Co  
United States Plywood Corp  
Visking Co  
Youngblood Lumber Co

### Concrete Form Ties & Accessories

Acme Steel Co  
Conver Steel & Wire Co  
Dayton Sure-Grip & Shore Co  
Economy Forms  
Form Co  
Gates & Sons Inc  
Gerrard A J & Co  
Goldsmith Metal Lath Co  
Jeffery Form Tie Co

**GALVA TWIST**  
Concrete Forming



Twisted  
Galvanized  
Form Ties

Choice dealerships open.  
Make money with GALVA  
TWIST

Write: James R. Jeffery, Pres.  
Jeffery Form Tie Co.  
Marengo 7, Illinois

Johnson C S Co  
Rocform Corp  
Signode Steel Strapping Co  
Simplex Forms System  
Sommer Metalcraft Corp  
Superior Scaffold Co  
Symons Clamp & Mfg Co  
U S Mineral Wool Co  
Universal Form Clamp Co  
Waco Mfg Co  
Wood Conversion Co

### Concrete Forms

Chain Belt Co  
Colorcrete Industries Inc  
Concrete Weld Co  
Dayton Sure-Grip & Shore Co  
Delta Co  
Economy Forms  
Forest Fiber Prods Corp  
Form Co  
Gabriel Steel Co  
Gates & Sons Inc  
Goldsmith Metal Lath Co  
Harris Inc

Inland Steel Products Co  
Irrving Form & Tank Co  
Kochton Plywood & Veneer Co Inc  
Paxton Frank Lumber Co  
Proctor Products Co  
Richkraft Co  
Rilco Laminated Prods Inc  
Rocform Corp  
Simplex Forms System  
Sonoco Prods Co Construction Prods Div  
Symons Clamp & Mfg Co  
Universal Form Clamp Co  
Waco Mfg Co

### Concrete Guns (See Guns, Pneumatic Concrete Application)

### Concrete Hardeners & Sealers

Allied Compositions Co Inc  
American Asbestos Product Co  
Anti Hydro Waterproofing Co  
Camp Co Inc  
Carter-Waters Corp  
Ceresit Waterproofing Corp  
Coddington E D Mfg Co  
Colorcrete Industries Inc  
Curtis Mfg & Asbestos Co  
Dad & Lad Co  
Devoe & Reynolds Co Inc  
Dewey & Almy Chemical Div  
Evercrete Corp  
Flexrock Co  
Forrers Div Spray-O-Bond Co  
Gagnon Clay Products Co  
Horn A C Companies Div Sun Chem Corp  
Kay-Tite Co  
Koppers Co Inc Durethene Plant  
Kordite Corp  
Maguire Walter Co Inc  
Master Builders Co  
Meadows W R Inc  
Monroe Co Inc  
Permitco Inc  
Ranette Mfg Co  
Reardon Co  
Re-Nu-It Corp  
Seddon Co  
Servicised Prods Corp  
Sika Chemical Corp  
Silicones Div Union Carbide  
L Sonneborn Sons Inc  
Standard Dry Wall Products Inc  
Steelcote Mfg Co  
Sullivan Co  
Super Concrete Emulsions  
Surface Protection Co  
Tamma Industries Co  
Tennant G H Co  
Toch Bros  
Truscon Labs Inc  
Tufcrete Co Inc  
Vita-Var Corp  
Waco-Dennis Corp  
Wilbur & Williams Co

### Concrete Mixers, Mortar, etc.

Anchor Mfg Co  
Besser Co  
C H & E Mfg Co  
Chain Belt Co  
Colorcrete Industries Inc  
Construction Machinery Co  
Dotmar Industries Inc  
Dunn W E Co  
General Engines Co Inc  
Gilson Brothers Co  
Goldblatt Tool Co  
Jaeger Machine Co  
Johnson C S Co  
Koehring Co  
Lithbar Co  
Master Vibrator Co  
Mixermobile Manufacturers

Muller Machinery Co Inc  
Smith T L Co  
Stearns Mfg Co Inc  
Universal Pulleys Co Inc  
Worthington Corp

### Concrete Mixers, Transit

Chain Belt Co  
Construction Machinery Co  
Galion Allsteel Body Co  
General Engines Co Inc  
Jaeger Machine Co  
Smith T L Co  
Whiteman Mfg Co  
Worthington Corp

### Concrete Paint (See Paints & Coatings, Concrete)

### Concrete Sawing Equipment

Carborundum Co  
Champion Mfg Co  
Clipper Mfg Co  
Eveready Briksaw Co  
Thor Power Tool Co

### Concrete Vibrators, Gasoline & Electric

Chicago Pneumatic Tool Co  
General Engines Co Inc  
Homelite Div Textron Inc  
Maginniss Power Tool Co  
Master Vibrator Co  
Remington Arms Co Inc  
Speedway Mfg Div Thor Power Tool Co  
Stow Mfg Co  
Syntron Co  
Thor Power Tool Co  
Vibro Plus Prods Inc  
Whiteman Mfg Co

### Conduits & Raceways

Adam Frank Electric Co  
Aluminum Co of America  
American Brass Co  
American Flexible Conduit Co  
Byers A M Co  
Chase Brass & Copper Co Inc  
Circle Wire & Cable Corp  
Columbia Metal Box Co  
General Electric Co Cons Materials Div  
Johns-Manville Corp  
Kees F D Mfg Co  
Keystone Mfg Co  
Laclede Steel Co  
Line Material Industries  
National Electric Prods Corp  
Okonite Co  
Orangeburg Mfg Co Inc  
Pyle-National Co  
Republic Steel Corp  
Skyline Industries Sales Inc  
Square D Co  
Triangle Conduit & Cable Co Inc  
Unistrut Prods Co  
United States Rubber Co  
Wiremold Co  
Youngstown Sheet & Tube Co

### Controls, Heating & Air Conditioning

Arrow Hart & Hegeman Elec Co  
Bessam Engineering Co  
Controls Co of America  
Cutler Hammer Inc  
General Controls Co  
General Electric Co Apparatus Sales  
Hoffman Specialty Mfg Corp

**International Business Machines Corp**  
**International Register Co**  
**Kal-Master Corp**  
**Lawler Automatic Controls Inc**  
**Lennox Industries Inc**  
**Mercoid Corp**  
**Minneapolis Honeywell Regulator**  
**Morrison Steel Products Inc**  
**National-U S Radiator Corp**  
**Penn Controls Inc**  
**Sunwarm Inc**  
**Thrush H A & Co**  
**Tork Time Controls Inc**  
**Triplex Heating Specialty Co Inc**  
**Tuck-Aire Furnace Co**  
**Waterloo Register Co Inc**  
**Webster Warren & Co**  
**White Rodgers Co**  
**Wilcolator Co**

**Controls, Lighting**  
**(See Wiring Systems, Remote Control)**

**Conveyors**

**Alvey Ferguson Co Inc**  
**American Conveyor Co**  
**Barber Greene Co**  
**Baughman Mfg Co Inc**  
**Bodinson Mfg Co**  
**Bosworth Mfg Co**  
**Bushman E W Co Inc**  
**Chain Belt Co**  
**Colson Corp**  
**Dewalt Div AMF**  
**Ferguson Harry J Co**  
**Gifford-Wood Co**  
**Hewitt-Robins Inc**  
**Lake Shore Inc Div Lake Shore Eng**  
**Letourneau-Westinghouse Co**  
**Lippmann Engineering Works Inc**  
**Mathews Conveyor Co**  
**Metzgar Conveyor Co**  
**Morgen Mfg Co**  
**Mulkey Sam Co**  
**New London Engineering Co**  
**Northern Conveyor Co**  
**Oliver Corp**  
**Rapids-Standard Co Inc**  
**Stephens-Adamson Mfg Co**  
**United State. Rubber Co**  
**Virginia Metal Products Inc**

**Copper Tubing**  
**(See Pipe & Tubing, Brass & Copper)**

**Cork Flooring**  
**(See Tile, Cork)**

**Counterflow Furnace Units**  
**(See Furnaces, Counterflow Units)**

**Countertops**

**Armstrong Cork Co**  
**Bero Wood Prods Co Inc**  
**Caradco Inc**  
**Carthage Marble Corp**  
**Chemold Co**  
**Congoleum-Nairn Inc**  
**Crane Co**  
**Elkay Mfg Co**  
**Farley & Loetscher Mfg Co**  
**General Electric Co Laminated Prods Dept**  
**General Tire & Rubber Co Bldg Materials**  
**Gilssade Inc**  
**Gregg & Son Inc**  
**Harbor Plywood Corp**  
**Hyde-Murphy Co**  
**Hyde Park Products Co**

**Just Mfg Co**  
**Kitchen Kompact Inc**  
**Marsh Wall Products Inc**  
**National Electric Prods Corp**  
**National Tile & Mfg Co**  
**Quartz Mosaic Inc**  
**Regal Laminates Inc**  
**St Regis Paper Co Panelyte Div**  
**Sani-Top Inc**  
**Textboro Cabinet Corp**  
**Topcraft Inc**  
**United States Plywood Corp**  
**United States Rubber Co**  
**Vermont Marble Co**  
**Zahner Mfg Co**

**Coverings, Fabric Wall**  
**(See Wall Coverings, Fabric)**

**Cranes & Shovels, Powered**

**Allis Chalmers Mfg Construction Mach**  
**American Hoist & Derrick Co**  
**Bucyrus-Erie Co**  
**Clark Equipment Co Construction Mach**  
**Cleveland Tramrail Div**  
**Cleveland Trencher Co**  
**Deere John & Co**  
**Ford Motor Co Tractor & Implement Div**  
**Gar Wood Industries Inc**  
**Koehring Co**  
**Letourneau-Westinghouse Co**  
**Link-Belt Speeder Corp**  
**Northwest Engineering Co**  
**Pitman Mfg Co**  
**Pointer Willamette Co Inc**  
**Round David & Son Inc**  
**Schield Bantam Co**  
**Sherman Prods Inc**  
**Silent Hoist & Crane Co**  
**Smith Hoist Mfg Co**  
**Tractomotive Corp**  
**Unit Crane & Shovel Corp**

**Curtain Walls**

**Fenestra Inc**  
**Ingram-Richardson Mfg Co**  
**Kimble Glass Co Sub Owens-Illinois**  
**Marmet Corp**  
**Pomeroy S H Co Inc**  
**Pro-Tect-U Jalousie Corp**  
**Williams & Williams Prods Corp**

**Cutters, Hardboard**

**Dosch Mfg Co**  
**Gairing Tool Co**  
**Hartnelster Mfg Inc**  
**Huther Brothers Saw Mfg Co Inc**  
**Kimball Mfg Co**  
**Modern Specialties Co**  
**Rockwell Mfg Delta Power Tool Div**  
**Simonds Saw & Steel Co**  
**Stanley Tools**

**Cutters, Molding**

**Belsaw Machinery Co**  
**Boice Crane Co**  
**Dewalt Div AMF**  
**Dormeyer Co**  
**Dosch Mfg Co**  
**Huther Brothers Saw Mfg Co Inc**  
**Jet Tool Inc**  
**Mattison Machine Works**  
**Modern Specialties Co**  
**Footatuck Corp**  
**Rockwell Mfg Delta Power Tool Div**  
**Sibley Edw L Mfg Co Inc**  
**Simonds Saw & Steel Co**  
**Standard Electrical Tool Co**  
**Stanley Electric Tools**  
**United Industries Inc**  
**Yates-American Machine Co**

**Cutters, Shingle & Siding**

**Flintkote Co**  
**General Hdwe Mfg Co Inc**  
**Huther Brothers Saw Mfg Co Inc**  
**Keesbey & Mattison Co**  
**Modern Specialties Co**  
**Newark Ladder & Bracket Co Inc**  
**Ruberoid Co**  
**Simonds Saw & Steel Co**  
**United States Gypsum Co**

**Cypress Lumber**  
**(See Lumber, Cypress)**

**Dampers, Fireplace**  
**(See Fireplaces, Outdoor & Equipment)**

**Decks, Roof, Insulating**

**Armstrong Cork Co**  
**Balsa Ecuador Lumber Corp**  
**Berger Insulation Co Inc**  
**Carey Philip Mfg Co**  
**Celotex Corp**  
**Cemex of Arizona**  
**Flintkote Co**  
**Gilman Bros Co**  
**Great Lakes Carbon Corp Perlite Div**  
**Homasette Co**  
**Insulite Co**  
**Johns-Manville Corp**  
**Kaiser Gypsum Co Inc**  
**Lehon Co**  
**National Gypsum Co**  
**North American Asbestos Corp**  
**Owens-Corning Fiberglas Corp**  
**Paxton Frank Lumber Co**  
**Pioneer Div The Flintkote Co**  
**Simpson Logging Co**  
**Tectum Corp**  
**Texas Vermiculite Co**  
**Ther-Mo Roof Inc**  
**Timber Structures Inc**  
**Uni-Crest Div United Cork**  
**Unit Structures Inc**  
**United States Gypsum Co**  
**Waylite Co**  
**Wood Conversion Co**  
**Zenolite Co**

**Decks, Roof, Metal**

**Asphalt Corp of America**  
**Ceco Steel Prods Corp**  
**Fenestra Inc**  
**Follansbee Steel Corp**  
**Goldsmith Metal Lath Co**  
**Granco Steel Prods Co**  
**Haven-Busch Co**  
**Inland Steel Prods Co**  
**Macomber Inc**  
**Mahon R C Co**  
**Plasteel Products Corp**  
**Republic Steel Corp**  
**Stran-Steel Corp Div Natl Steel Corp**  
**Tennison Bros Inc**  
**Truscon Steel Div Republic Steel Corp**  
**United States Gypsum Co**  
**Wheeling Corrugating Co**

**Dehumidifiers**  
**(See also Air Conditioners)**

**Abbeon Supply Co**  
**Berns Air King Corp**  
**Carrier Corp**  
**Clarage Fan Co**  
**Coolerator McGraw-Edison**  
**Fedders-Quigan Corp**  
**Fresh-nd-Aire Div Cory Corp**  
**Gibson Refrigerator Co**  
**Kelvinator Div American Motors Co**

Morrison Steel Products Inc  
Remington Air Conditioning Div  
Westinghouse Electric Appliance Div  
Worthington Corp  
Wyandotte Chem Corp Mich Alk

### Derricks

American Hoist & Derrick Co  
King Mfg Co  
McCabe Powers Body Co  
Sasgen Derrick Co

### Devices, Wiring (See Wiring Devices)

### Dining Nooks (See Nooks, Dining)

### Dishwashers

Chambers Built-Ins Inc  
Cribben & Sexton Co  
Frigidaire Div General Motors Corp  
General Electric Co Appliance & TV Div  
Gray & Dudley Co  
Gregg & Son Inc  
Hobart Mfg Co  
Hotpoint Co  
Kelvinator Div American Motors Co  
Philco Corp  
Preway Inc  
RCA Whirlpool Appliance Corp  
Tracy-American Kitchens  
Waste King Corp  
Westinghouse Electric Appliance Div  
Westinghouse Electric Corp  
Youngstown Kitchens

### Disposers, Garbage

American Standard Plumbing & Heating  
Cauchotex Industries Inc  
Chambers Built-Ins Inc  
Crane Co  
Donley Brothers Co  
Frigidaire Div General Motors Corp  
General Electric Co Appliance & TV Div  
Hotpoint Co  
In-Sink-Erator Mfg Co  
James Mfg Co Inc  
Kelvinator Div American Motors Co  
Leigh Bldg Prods Div  
Locke Stove Co  
Lockley Machine Co  
National Rubber Machinery Co  
Philco Corp  
Pioneer Mfg Co  
RCA Whirlpool Appliance Corp  
Schaible Co  
Tracy-American Kitchens  
Vestal Mfg Co  
Waste King Corp  
Westinghouse Electric Appliance Div  
Westinghouse Electric Corp  
Witt Cornice Corp  
Youngstown Kitchens

### Ditchers

American Hoist & Derrick Co  
Barber Greene Co  
Charles Machine Works  
Cleveland Trencher Co  
Gar Wood Industries Inc  
Koehring Co  
Massey-Ferguson Industrial Div  
Northwest Engineering Co  
Ottawa Steel Young Spring Wire  
Shawnee Mfg Co Inc  
Vermeer Mfg Co

### Door Bells & Chimes

Auth Electric Co Inc  
Carey Philip Mfg Co  
Doorscope Co  
Edwards Co Inc  
Lehon Co  
Miami Cabinet Div Philip Carey Mfg  
Morgan-Wightman Co  
NuTone Inc  
Progress Mfg Co Inc  
Rittenhouse Co Inc

### Door Operators, Garage

Alliance Mfg Co Inc  
Barber Colman Co Overdoors Div



Barcol.

## OVERdoors

Weather-King doors and door controls;  
cam-action. Nationally distributed, guar-  
anteed.

Calder Mfg Co  
Capitol Products Co  
Crane H W Co  
Crawford Door Co  
Dor-O-Matic Div Republic Industries Inc  
Fitzgerald M J Co  
Frantz Mfg Co  
Graham Industries Inc  
Howell Mfg Co  
Kinnear Mfg Co  
McKee Door Co  
Moore A E Co Inc  
Morrison Steel Products Inc  
Overhead Door Corp  
Phenix Mfg Co  
RCA Victor Service Co  
Raynor Mfg Co  
Richards-Wilcox Mfg Co  
Ridge Door Co  
Robot Appliances Inc  
Rowe Mfg Co  
Russell F C Co  
Stanley Works  
Sterling Electronic Door Corp  
Wagner Mfg Co

### Doors, Access & Crawl Space

Adams Co  
Bilco Co  
Carey Philip Mfg Co  
Coffman R G Co Inc  
Columbia Metal Box Co  
Donley Brothers Co  
Gabriel Steel Co  
George F C Machine Co  
Industrial Iron Works  
Inland Steel Products Co  
Knapp Brothers Mfg Co  
Lehon Co  
Leigh Bldg Prods Div  
Miami Cabinet Div Philip Carey Mfg  
Morgan Co  
Simpson Logging Co  
Steelcraft Mfg Co  
Vestal Mfg Co  
Zurn Industries Inc Plumbing Prods Div

### Doors, Cellar, Bulkhead, Metal

Bilco Co

## Bilco

**BASEMENT DOOR**  
SOLD BY BUILDING MATERIAL DEALERS  
**THE BILCO COMPANY**  
Dept. 368—New Haven 8, Conn.



Cellarway Inc  
Cincinnati Iron Fence Co Inc  
Donley Brothers Co  
International Fireproof Door Co  
Pak-Cel Inc  
Vega Industries Inc Uni-Bilt

### Doors, Combination, Aluminum (See Windows & Doors, Combination)

### Doors, Combination, Steel (See Windows & Doors, Combination)

### Doors, Combination, Wood (See Windows & Doors, Combination)

### Doors, Flexible & Folding

Aeroshade Co  
American Accordion-Fold Doors Inc  
American Steel Door Co  
Amweid Building Products  
Berry Door Co  
Clipay Corp  
Closures Sales Corp  
Columbia Mills Inc  
Consolidated General Prod Inc

**LOUVER-FOLD**  
WOOD PANEL FOLDING DOORS

Manufactured by:  
**CONSOLIDATED GENERAL PRODUCTS, INC.**  
P.O. BOX 7425      HOUSTON 8, TEXAS

Cox Arthur & Sons Inc  
Curtillon Corp  
Extendoor Inc  
Fenestra Inc  
Gates Mfg Co Inc  
Grant Pulley & Hardware Corp  
Gregg & Son Inc  
Harbor Flywood Corp  
Hill Mfg Co  
Holcomb & Hoke Mfg Co Inc  
Hough Mfg Co  
Leigh Bldg Prods Div

## Leigh

**NEW FULL-VU FOLDING DOORS**

With sensational new traverse rod replacing troublesome top track for quick, cost-saving installation and velvet-smooth operation. Spring-loaded pivots and guides, too.

Write for full details.

**LEIGH BUILDING PRODUCTS**  
Division of A. F. Conroy Products, Inc.  
1659 L-1 St      Coopersville, Michigan

Morgan Co  
New Castle Products Inc  
Nova Sales Co  
Paine Lumber Co Ltd  
Panelfold Doors Inc  
Precision Parts Corp  
Ready Hung Door Corp  
Richards-Wilcox Mfg Co  
Rollscreen Co  
Spokane Sash & Door Co  
Suncraft Inc

Truscon Steel Div Republic Steel Corp  
United States Plywood Corp  
Warren Shade Co Inc  
Wel-Bilt Products Co  
Wood Specialty Prods Inc

### Doors, Garage, Upward Acting, Metal

Allied Metals Inc  
Atlas Overhead Door Co  
Barber Colman Co  
Crawford Door Co  
Fenestra Inc  
Frantz Mfg Co  
Kinnear Mfg Co  
Lancaster Pump & Mfg Co Inc  
Morrison Steel Products Inc  
Overhead Door Corp  
Panelfab Products Inc  
Raynor Mfg Co  
Ridge Door Co  
Rowe Mfg Co  
Russell F C Co  
Steel Door Corp

## Berry STEEL GARAGE DOORS

- Full 5-year guarantee
- One-piece and sectional models

Ask your distributor or write direct:  
2400 E. Lincoln Road, Birmingham, Michigan

Taylor Made Garage Doors Inc  
Tilt-A-Door Corp  
Wagner Mfg Co  
Wel-Bilt Products Co  
Wilson J G Corp

### Doors, Garage, Upward Acting, Wood

Atlas Overhead Door Co  
Barber Colman Co



Barcol.

## OVERdoors

Weather-King doors and door controls;  
cam-action. Nationally distributed, guar-  
anteed.

Better-Bilt Door Co  
Calder Mfg Co  
Capitol Products Co  
Clark Door Co Inc  
Commander Doors Inc  
Crawford Door Co  
Farley & Loetscher Mfg Co  
Frantz Mfg Co  
General Door Co  
Georgia Pacific Corp  
Goshen Sash & Door Co  
Graham Industries Inc  
Harris Inc  
Howell Mfg Co  
Ideal Mfg Co Div Wm Cameron & Co  
Kinnear Mfg Co  
Kochton Plywood & Veneer Co Inc  
Lancaster Pump & Mfg Co Inc  
Lato Prods Co  
McKee Door Co  
Morrison Steel Products Inc  
Northwest Door Co  
Overhead Door Corp  
Pacific Mutual Door Co  
Phenix Mfg Co  
R-M Millwork Corp  
Raynor Mfg Co  
Richards-Wilcox Mfg Co  
Ridge Door Co  
Rockwell of Randolph Inc  
Rowe Mfg Co

Simpson Logging Co  
Stanley Works  
Wagner Mfg Co

### Doors, Glass (See Doors, Sliding Glass; also Doors, Shower)

### Doors, Interior & Exterior, Metal

Adams Co  
Aetna Steel Prods Corp  
American Art Metals Co  
Amweld Building Products  
Atco Aluminum Products  
Bayley William Co  
Bileco Co  
Burr Southern Corp of Calif  
Ceco Steel Prods Corp  
Croft Metal Products Inc  
Federal Windows Mfg Co Inc  
Fenestra Inc  
Hill Mfg Co  
Inland Steel Products Co  
International Fireproof Door Co  
International Steel Co  
Kawneer Co  
Kinnear Mfg Co  
Leigh Bldg Prods Div  
Marmet Corp  
Mesker Bros Iron Co  
Metlwal Corp of America  
Morrison Steel Products Inc  
National Aluminum Co  
Panelfab Products Inc  
Republic Steel Corp  
Richards-Wilcox Mfg Co  
Richmond Fireproof Door Co  
Rowe Mfg Co  
Russell F C Co  
Spartan Steel Products Corp  
Spokane Sash & Door Co  
Steel Door Corp

## Berry STEEL GARAGE DOORS

- Full 5-year guarantee
- One-piece and sectional models

Ask your distributor or write direct:  
2400 E. Lincoln Road, Birmingham, Michigan

Steelcraft Mfg Co  
Tennessee Fabricating Co  
Tilt-A-Door Corp  
Truscon Steel Div Republic Steel Corp  
United Steel Fabricators Inc  
Valley Metal Prods Co  
Virginia Metal Products Inc  
Vuican Metal Prods Inc  
Wilson J G Corp

### Doors, Interior & Exterior, Wood

Champion Door Co  
Clear Fir Sales Co  
Curtis Companies American Plywood Div  
Curtis Companies Inc  
Farley & Loetscher Mfg Co  
Fiddes-Moore Co  
General Plywood Corp  
Georgia Pacific Corp  
Gregg & Son Inc  
Harbor Plywood Corp  
Hardwood Products Corp  
Haskelite Mfg Corp  
Hyde-Murphy Co  
Ipik Door Co Inc  
Ketcham G M Mfg Corp  
Kochton Plywood & Veneer Co Inc  
Mauk Seattle Lumber Co  
Mengel Co

Milwaukee Plywood Co  
Mohawk Flush Doors  
Morgan-Wightman Co  
New Castle Products Inc  
Niagara Plywood Co Inc  
Northwest Door Co  
Pacific Mutual Door Co  
Paine Lumber Co Ltd  
Panelfab Products Inc  
Pettersen J C Corp  
Rock Island Millwork Co Factory Div  
Semling-Menke Co  
Silcrest Co  
Simpson Logging Co  
Spokane Sash & Door Co  
Wisconsin Flush Door Co

### Doors, Jalousie

All Weather Jalousies Inc  
Alaco Inc  
Aluminum Industries  
Anderson V E Mfg Co Inc  
Angel Novelty Co  
Atco Aluminum Products  
Capitol Products Corp  
Carey-McFall Co  
Chamberlin Co of America  
Eagle-Picher Co  
Fleet of America Inc  
Fulton Glass Co  
General Window Co  
Hess Mfg Co  
Hyde-Murphy Co  
Jasco Aluminum Products  
Kelco Div Wells Aluminum Corp  
Keystone Alloys Co  
Kimble Glass Co Sub Owens-Illinois  
Ludman Corp  
Morgan-Wightman Co  
North East Metal Products Corp  
Paramount Aluminum Prod Corp  
Pro-Tect-U Jalousie Corp  
Regal Window Products Co  
Republic Steel Corp  
Royal Jalousie Co  
Russell F C Co  
Schumacher F E Co  
Simpson Logging Co  
Stanley Building Specialties Co  
State Metal Awnings Inc  
Sun Valley Industries Inc  
Textron Metals Co  
Union Machine Co  
Vun-Russ Co Inc  
Ware Laboratories Inc  
Wells Aluminum Corp  
Winsulite Mfg Co

### Doors, Louver, Wood

Caradco Inc  
Clearview Dorwindo Corp  
Craftwood Products  
Curtis Companies Inc  
Dyke Bros  
Farley & Loetscher Mfg Co  
Georgia Pacific Corp  
Goshen Sash & Door Co  
Gregg & Son Inc  
Harbor Plywood Corp  
Heinleys Movable Shutters  
Hyde-Murphy Co  
Ideal Mfg Co Div Wm Cameron & Co  
Ipik Door Co Inc  
Kennatrack Corp Sub Ekco Prods  
Missoula White Pine Sash Co  
Morgan Co  
Morgan-Wightman Co

DOORS - INTERIOR, EXTERIOR  
SLAB, LOUVRE  
ALL STYLES -  
ALL SIZES  
**MORGAN-WIGHTMAN**  
National Quality Supply House  
WRITE FOR  
CATALOG 159 - DEPT. AE  
9910 PAGE - ST. LOUIS, MO.

Paxton Frank Lumber Co  
Precision Parts Corp  
Quincy Adams Colonial Doors  
Rockwell of Randolph Inc  
Silcrest Co  
Simpson Logging Co  
Tyler Arthur F Co  
Union Machine Co  
United States Plywood Corp  
Venetian Blind Prods Co  
Western Door & Plywood Corp

### Doors, Prefabbed & Packaged

Builders Mfg Co  
Ceco Steel Prods Corp  
Clark Door Co Inc  
Craftwood Products  
Dyke Bros  
Goshen Sash & Door Co  
Hill Mfg Co  
Ideal Mfg Co Div Wm Cameron & Co  
Jenkins Lumber & Mfg Co  
Mesker Bros Iron Co  
National Door Co  
Panelfab Products Inc  
Precision Parts Corp  
Steelcraft Mfg Co  
Tilt-A-Door Corp  
Tye Lumber Mfg Co

### Doors, Prehung

Master Hung Door Equip Co  
Tye Lumber Mfg Co  
Wadsworth J G Corp

### Doors, Rolling, Steel

Cookson Co  
Kinnear Mfg Co  
Mahen R C Co  
Michel & Pfeffer Iron Works Inc  
Morrison Steel Products Inc  
Ridge Door Co  
Wilson J G Corp

### Doors, Shower & Bathtub (See also Shower Stalls)

American Shower Door Co Inc  
Anorec Products Inc  
Beauti-Dor Inc  
Binswanger & Co  
Chemold Co  
Crane Co  
Cutler Metal Prods Co  
Daryl Products Corp  
Efron Theodore Mfg Co  
Flat Metal Mfg Co  
Fuller W P & Co  
Glamour Glass Wal-Dor Corp  
Glass Shower Door Co Inc  
Jones Shutter Products  
Ketcham G M Mfg Corp  
Lehman Sprayshield Co  
Ludman Corp  
Milwaukee Stamping Co  
Morgan-Wightman Co  
National Aluminum Co  
National Metal-Art Mfg Co  
New Castle Products Inc  
North East Metal Products Corp  
Paramount Aluminum Prod Corp  
Pittsburgh Plate Glass Co  
Shower Door Co of America  
Showerfold Door Corp  
Standard Building Products Co  
Standard Steel Cabinet Co  
Stanley Building Specialties Co  
Tiletone Co  
Trimview Metal Products  
Tubdor Inc  
Vun-Russ Co Inc  
Wasco Products Inc

### Doors, Sliding Glass

Adams Engineering Co  
Ador Sales Inc  
American Shower Door Co Inc  
Anderson V E Mfg Co Inc  
Binswanger & Co  
Capitol Products Corp  
Clearview Dorwido Corp  
Cole Mfg Co  
Daryl Products Corp  
Fenestra Inc  
Fleet of America Inc  
Flynn Michael Mfg Co  
Fuller W P & Co  
General Bronze Corp  
General Window Co  
Glamour Glass Wal-Dor Corp  
Glass Shower Door Co Inc  
Hollyview Aluminum Sliding Glass  
Lehman Sprayshield Co  
Lenahan Aluminum Window Corp  
Malibu Mfg Corp  
Moloney Co  
National Metal-Art Mfg Co  
Nudor Mfg Corp  
Panaview  
Per-Fit Prods Spickelmier Ind  
Pro-Tect-U Jalousie Corp  
Russell F C Co  
Safetee Glass Co  
Shower Door Co of America  
Silcrest Co  
Slide-View Door Co  
Stanley Building Specialties Co  
Sun Valley Industries Inc  
Toledo Plate & Window Glass Co  
Trim-Slide Inc  
Trimview Metal Products  
Vun-Russ Co Inc  
Whizzer Industries Inc

### Doors, Sliding Wood & Metal

Adams Engineering Co  
Aluminum & Glass Products Co  
American Architectural Prod Corp  
Builders Mfg Co  
Cole Mfg Co  
Cox Arthur & Sons Inc  
Craftwood Products  
Curtis Companies Inc  
Dyke Bros  
EZ-Way Sales Inc  
Farley & Loetscher Mfg Co  
Fenestra Inc  
Folmar R H Co  
Glide Windows Inc  
Ideal Mfg Co Div Wm Cameron & Co  
Ipik Door Co Inc  
Ludman Corp  
Malibu Mfg Co  
Mengel Co  
Miller Frank B Mfg Co  
Morgan Co  
National Door Co  
Nordahl Sliding Door Frames  
Nudor Mfg Corp  
One-Der Frame Corp  
Oro Mfg Co  
Paine Lumber Co Ltd  
Panaview  
Panelfab Products Inc  
Paxton Frank Lumber Co  
Premier Hall Mfg Co  
Pro-Tect-U Jalousie Corp  
Ready Hung Door Corp  
Rockwell of Randolph Inc  
Roddis Plywood Corp  
Slide Master Glass Door & Window  
Slide-View Door Co  
Standard Building Products Co  
Steelcraft Mfg Co  
Sun Valley Industries Inc  
Truscon Steel Div Republic Steel Corp  
Union Machine Co  
United States Plywood Corp  
United Steel Fabricators Inc

Virginia Metal Products Inc  
W M Products Co  
Walker T V & Sons Inc  
Wel-Bilt Products Co  
Western Door & Plywood Corp  
Woodall Industries Inc

### Douglas Fir (See Lumber, Fir, Douglas or Plywood, Douglas Fir)

### Drawer Slides

Acme Appliance Mfg Co  
Amerock Corp



Extension Drawer Support Co  
Grant Pulley & Hardware Corp  
Junior-Pro Prods Co  
Knap & Vogt Mfg Co  
Leigh Bldg Prods Div  
Stanley Works  
Washington Steel Prods

### Drawers, Plastic

Lawn Hose Holder Co  
Washington Steel Prods

### Drills, Brick, Concrete, Tile

Ackerman Johnson Co  
Arro Expansion Bolt Co  
Black & Decker Mfg Co  
Chicago Expansion Bolt Co  
Chicago Pneumatic Tool Co  
Cincinnati Tool Co  
Damascus Steel Prod Corp  
Diamond Expansion Bolt Co Inc  
Gairing Tool Co  
Gardner-Denver Co  
General Hardware Mfg Co Inc  
Hood Bros  
Jordan Industries  
Mayhew Steel Products Inc  
Milwaukee Elec Tool Corp  
Molco Drilling Machines Inc  
New England Carbide Tool Co Inc  
Ox-Wall Tool Co  
Paine Co  
Polis Mfg Co  
Proto Tool Div Pendleton Tool Ind Inc  
Rawplug Co Inc  
Remington Arms Co Inc  
Stanley Tools  
Star Expansion Industries Corp  
Syntron Co  
Termite Drills Inc  
Thor Power Tool Co  
Union Twist Drill Co  
U S Expansion Bolt Co  
Wodack Electric Tool Corp

### Drills, Electric, Portable

Albertson & Co Inc

Atlas Press Co  
 Black & Decker Mfg Co  
 Blum Julius & Co Inc  
 Chicago Pneumatic Tool Co  
 Cummins Portable Tools Div  
 Diamond Expansion Bolt Co Inc  
 Forsberg Mfg Co  
 Ingersoll-Rand Co  
 Kett Tool Co  
 Millers Falls Co  
 Milwaukee Elec Tool Corp  
 Molco Drilling Machines Inc  
 Pioneer Gen E Motor Corp  
 Pollis Mfg Co  
 Portable Electric Tools Inc  
 Porter-Cable Machine Co  
 RCS Tool Corp  
 Remington Arms Co Inc  
 Ryerson Joseph T & Son  
 Shopmaster Div Energy Mfg Co  
 Skill Corp  
 Speedway Mfg Div Thor Power Tool Co  
 Standard Electrical Tool Co  
 Stanley Electric Tools  
 Supreme Products Corp  
 Thor Power Tool Co  
 Union Twist Drill Co  
 Wen Products Inc  
 Wodack Electric Tool Corp

### Drills, Gasoline

Barco Mfg Co

### Drivers & Fasteners, Cartridge Actuated Type

Fastway Fasteners Inc  
 Hawkeye Sales Co  
 Omark Industries Inc  
 Ramset Fastening System Olin Math Corp  
 Remington Arms Co Inc

### Dryers, Clothes (See Washers & Dryers, Clothes)

### Dumbwaiters

Barrett Cravens Co  
 Bodinson Mfg Co  
 Chelsea Elevator Co  
 Flinchbaugh-Murray Corp  
 Inclinator Co of America  
 Lewis-Shepard Products Inc  
 Otis Elevator Co  
 Robot Appliances Inc  
 Sedgwick Machine Works  
 Shepard Elevator Co  
 Westinghouse Electric Corp  
 Whitney Vincent Co

### Earthmoving Equipment (See Backhoes, Bulldozers, Cranes, etc.)

### Electrical Materials (See Conduits & Raceways also Wiring Systems)

### Elevators, Hand Power (See Dumbwaiters)

### Estimating Services

Goshen Sash & Door Co  
 Tamlyn Systems  
 Unit Structures Inc

### Fans, Commercial

Standard Electric Mfg Co Inc

### COMMERCIAL VENTILATION

Any kind of fan for schools, churches, stores and factories. Any size at a saving. Write

**STANDARD ELECTRIC MFG. CO., INC.**  
 West Berlin, N. J.  
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### Fans, Exhaust, Bath & Kitchen

Air Controls Inc  
 American Air Filter Co  
 American Standard American Blower Div  
 Aubrey Hardware Mfg Inc  
 Bar-Brook Mfg Co  
 Berns Air King Corp  
 Broan Mfg Co Inc  
 Buffalo Forge Co  
 C & H Air Conditioning Fan Co  
 Cal Vent Mfg Co  
 Carey Philip Mfg Co  
 Chambers Built-Ins Inc  
 Chelsea Fan & Blower Co Inc  
 Clarage Fan Co  
 Dayton Electric Mfg Co  
 Emerson Electric Mfg Co  
 Emerson-Pryne Co  
 Fasco Industries Inc  
 Gray & Dudley Co  
 Gregg & Son Inc  
 Hunter Div Robbins & Myers Inc  
 ILG Electric Ventilating Co  
 Kol-Master Corp  
 Lehon Co  
 Leigh Bldg Prods Div  
 Master Mechanic Mfg Co  
 McLean Engineering Labs  
 Meier Electric & Machine Co Inc  
 Metalvent Corp  
 Miami Cabinet Div Philip Carey Mfg  
 Morgan-Wightman Co



National Gas Equipment Co Inc  
 NuTone Inc  
 Peerless Electric Co  
 Perfect Line Mfg  
 Progress Mfg Co Inc  
 Reed Unit Fans Inc  
 Robbins & Myers Inc  
 Roberts Mfg Co  
 Shepler Mfg Co  
 Sin-Jin Products Co  
 Standard Electric Mfg Co Inc  
 Stanthony Corp  
 Stewart Industries Inc  
 Stewart S J Electric Co  
 Tennessee Fabricating Co  
 Texboro Cabinet Corp  
 Thermador Elec Mfg Co  
 Trade-Wind Motorfans Inc  
 Trane Co  
 United States Air Conditioning Corp  
 Universal Blower Co  
 Ventrola Mfg Co  
 West Wind Corp  
 Winco Ventilator Co

### Fans, Ventilating, Attic

Acme Equipment Co  
 Air Controls Inc

## CONSO WINDMASTER

ATTIC & EXHAUST FANS

Manufactured by:  
**CONSOLIDATED GENERAL PRODUCTS, INC.**  
 P.O. BOX 7425 HOUSTON 8, TEXAS

American Coolair Corp  
 Berns Air King Corp  
 Bessam Engineering Co  
 Brown Prods Co  
 Buffalo Forge Co  
 C & H Air Conditioning Fan Co  
 Carey Philip Mfg Co  
 Chelsea Fan & Blower Co Inc  
 Chicago Blower Corp  
 Clay Equipment Corp  
 Consolidated General Prod Inc  
 Damp-Vent Co  
 Dayton Electric Mfg Co  
 Diehl Mfg Co  
 Emerson Electric Mfg Co  
 Emerson-Pryne Co  
 Fasco Industries Inc  
 Fresh-and-Aire Div Cory Corp  
 Gordon Mfg Co  
 Hudson H D Mfg Co  
 Hunter Div Robbins & Myers Inc  
 ILG Electric Ventilating Co  
 Lau Blower Co  
 Leigh Bldg Prods Div

## Leigh

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Ceiling, wall and multi-position models with built-in quality features, sparkling good looks! Guaranteed for five years.

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 McLean Engineering Labs  
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 Olson Mfg Co  
 Peerless Electric Co  
 Reed Unit Fans Inc  
 Robbins & Myers Inc  
 Standard Electric Mfg Co Inc  
 Starline Inc  
 Stewart S J Electric Co  
 Tennessee Fabricating Co  
 Utility Appliance Corp  
 Verco Corp  
 Westinghouse Electric Corp  
 Zink John Co

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Carey Philip Mfg Co  
 E G Building Fasteners Corp  
 Elastic Stop Nut Corp of America  
 Fastener Corp  
 Hassall John Inc  
 Hawkeye Sales Co

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SPECIALIST IN ALL TYPES  
 OF ANCHORING DEVICES

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Hillwood Mfg Co  
Hilti Rapid Fastening Systems Inc  
Hosking John H Co  
Jordan Industries  
Molly Corp  
Penn Supply Metal Corp  
Sheffield Div Armco Steel Corp  
Star Expansion Industries Corp  
Stic-Klip Mfg Co Inc  
Tinnerman Products Inc  
United States Gypsum Co

## **DUO-FAST**

**Staplers - Tackers - Staples**

**The complete builder line with the  
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**Staple Guns.** Ideal for general tacking. Fast, easy, accurate. Just squeeze the handle.

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### Faucets, Tub & Shower

Dick Brothers Inc  
Gyro Brass Mfg Corp

### Felt Roofing

(See Roofing, Asphalt)

### Fencing

American Sta-Dri Co  
Anchor Post Products Inc  
Baumgartner Gate Factory  
Century Fence Co  
Colorado Fuel & Iron Corp  
Habitant Fence Inc  
Lenawee Peerless Inc  
Northwestern Steel & Wire Co  
Stewart Iron Works Inc

### Fiber Board

(See Wallboard & Sheathing, Fiber; also Insulating Board)

### Fiber Joint Sewer Pipe

(See Pipe, Sewer)

### Files, Saw & Circular

Belsaw Machinery Co  
Disston Div H K Porter Co Inc  
Foley Mfg Co  
Hanchett Mfg Co  
Heller Tool Co  
Hoe R & Co Inc  
Huther Brothers Saw Mfg Co Inc  
Nicholson File Co

### Finishers, Wallboard (See Cement, Wallboard Joint)

### Finishes & Sealers

American Asbestos Product Co  
American Floor Machine Co  
American Marietta Co Valdura Div  
American Varnish Co  
Armstrong Cork Co  
Bangkok Industries Inc  
Barreled Sunlight Paint Co  
Berry Brothers  
Bruce E L Co  
Camp Co Inc  
Ceresit Waterproofing Corp  
Chicago Bronze & Color Works  
Clarke Floor Machine Co  
Clipper Mfg Co  
Congoleum-Nairn Inc  
Cromar Co  
Desmond Bros Paint Co  
Devos & Reynolds Co Inc  
Dixon Crucible Co Joseph  
Douglas & Sturgess  
Dupont de Nemours E I & Co Inc  
Elliott Paint & Varnish Co  
Flexrock Co  
Flintkote Co  
Forman-Ford & Co  
Glidden Co  
Globe Paint Works Inc  
Hild Floor Machine Co Inc  
Horn A C Companies Div Sun Chemical  
International Chemical Co Inc  
Johns-Manville Dutch Brand Div  
Johnson S C & Son Inc  
Kyanize Paints Inc  
Lawrence W W & Co  
Lowe Bros  
Martin-Senour Co  
The McGuffie Co  
Minnesota Mining & Mfg Co  
Minnesota Paints Inc  
Miraplas Tile Co  
Monroe Co Inc  
Moore Benjamin & Co  
National Chemical & Mfg Co  
National Mfg Corp  
The O'Brien Corp  
Parr Paint & Color Co  
Patterson-Sargent Co  
Permiteco Inc  
Peterson D J Co  
Phelan-Faust Paint Mfg Co  
Pittsburgh Plate Glass Co  
Prait & Lambert Inc  
Protection Products Mfg Co  
Quartz Mosaic Inc  
Rockcote Paint Co  
Sapolin Paints Inc  
Seidlitz Paint & Varnish Co  
Selby Battersby & Co  
Sentry Stop-A-Draft Co  
Sherwin-Williams Co  
L Sonneborn Sons Inc  
Stafeo Products Corp  
Stay-Tite Products Co  
Steelcote Mfg Co  
Tamm Industries Co  
Thompson E A Co Inc  
Tremco Mfg Co  
Tufcrete Co Inc  
Twentieth Century Paint & Varnish  
United States Gypsum Co  
U S Protective Coatings Inc  
Valspar Corp  
Vita-Var Corp  
Wadsworth Howland & Co  
Watco-Dennis Corp  
Wooster Sealokote Co  
X-Pande Corp  
Yenkin-Majestic Paint Corp  
Zinsser William & Co

### Finishing Machines, Concrete (See Concrete Finishing Machines)

### Fir, Lumber

(See Lumber, Fir, Douglas)

### Fir, Plywood

(See Plywood, Douglas Fir)

### Fire Alarm Systems

(See Alarms, Fire & Burglar)

### Fireplaces, Outdoor & Equipment

Adams Co  
Bennett-Ireland Inc  
Brownell Co  
Burr Southern Corp of Calif  
Colonial Fireplace Co  
Columbia Brick Works  
Donley Brothers Co  
Gabriel Steel Co  
Gagnon Clay Products Co  
Goodwin of Calif Inc  
Grillcraft Co  
Harris Inc  
Howes S M Inc  
Industrial Iron Works  
Majestic Co Inc  
Miller Howard Clock Co  
Outdoor Oven Fireplace Co  
Peerless Mfg Corp  
Silent Glow Oil Burner Co  
Strait & Richards Inc  
Stratton Terstegge Co  
Superior Fireplace Co  
Vestal Mfg Co

### Fireplaces, Prefabricated

Condensation Engineering Co  
Condon-King Co  
Donley Brothers Co  
Finger Lakes Stone Co Inc  
Hearthaire Conditioning Co  
Majestic Co Inc  
Oakland Foundry Co  
Readybuilt Products Co  
Stratton Terstegge Co  
Vega Industries Inc Uni-Bilt

### Fireplaces, Units, Metal

Bennett-Ireland Inc  
Builders Brick Co  
Builders Fireplace & Supply  
Columbia Brick Works  
Condon-King Co  
Donley Bros Co  
Douglass Mfg Corp  
Grillcraft Co  
Hearthaire Conditioning Co  
Majestic Co Inc  
Stratton Terstegge Co  
Superior Fireplace Co  
Thermo Rite Mfg Co  
Vega Industries Inc Uni-Bilt  
Vestal Mfg Co

### Fixtures, Electric Lighting

American Louver Co  
Arrow Hart & Hegeman Elec Co  
Atlas Electric Prods Co  
Benjamin Electric Co  
Circle F Mfg Co  
Curtiss Lighting Inc

Del-Val Mfg Co  
 Eagle Electric Mfg Co  
 Emerson Electric Mfg Co  
 Emerson-Pryne Co  
 Frink Corp  
 General Electric Co Large Lamp Dept  
 Glasolier Co  
 Great Northern Mfg Corp  
 Holophane Co Inc  
 Imperial Lighting Prod Co  
 Jay Lighting Mfg Co Inc  
 Kirlin Co  
 Kraus Walter S Co  
 Leviton Mfg Co Inc  
 Lightolier Inc  
 Luminous Ceilings Inc  
 Markel Electric Prods Inc  
 Marvin Mfg Co  
 Miller Co  
 Miller Howard Clock Co  
 Pass & Seymour Inc  
 Penetray Corp  
 Progress Mfg Co Inc  
 Pyle-National Co  
 Silvray Lighting Inc  
 Smoot-Holman Co  
 Stonco Electric Prods Co  
 Swivelier Co Inc  
 Sylvania Elec Prods Inc  
 Tennessee Fabricating Co  
 Thomas Industries Inc  
 Virden John C Co  
 Westinghouse Electric Corp  
 Wiley R & W Inc

**Fixtures, Plumbing**  
 (See Plumbing Fixtures)

**Flashing, Aluminum**

Aluminum Co of America  
 Kaiser Aluminum & Chemical Sales Inc  
 Ludlow Papers Inc  
 Nichols Wire & Aluminum Co  
 Penn Supply Metal Corp  
 Quaker State Metals Co  
 Revere Copper & Brass Inc  
 Reynolds Metals Co  
 Wasco Products Inc  
 Yeck Mfg Co

**Flashing, Copper**

American Brass Co  
 American Siskraft Corp  
 Bridgeport Brass Co  
 Ceco Steel Prods Corp  
 Chase Brass & Copper Co Inc  
 Conver Steel & Wire Co  
 Delta Co  
 Hussey C G & Co  
 Inland Steel Products Co  
 Klauer Mfg Co  
 Ludlow Papers Inc  
 Penn Supply Metal Corp  
 Revere Copper & Brass Inc  
 Wasco Products Inc

**Flashing, Galvanized & Terne**

Ceco Steel Prods Corp  
 Continental Steel Corp  
 Conver Steel & Wire Co  
 Follansbee Steel Corp  
 Inland Steel Products Co  
 Klauer Mfg Co  
 Northwest Metal Products Inc  
 Penn Supply Metal Corp  
 Reeves Steel & Mfg Co Div  
 Republic Steel Corp  
 Saint Paul Corrugating Co  
 Tennison Bros Inc  
 Wheeling Corrugating Co  
 Yeck Mfg Co

**Flashing, Paper-Treated**

American Siskraft Corp  
 Barrett Div Allied Chemical Corp  
 Johns-Manville Corp  
 Kordite Corp  
 Lehon Co  
 Ludlow Papers Inc  
 National Mfg Corp  
 Pioneer Div The Flintkote Co  
 Protective Papers Inc  
 Richkraft Co  
 Thilmany Pulp & Paper Co  
 Wasco Products Inc

**Flashing, Plastic**

Carrollton Mfg Co  
 Delta Co  
 Dow Chemical Co  
 Viaking Co

**Flooring, Asphalt Tile**  
 (See Tile, Asphalt)

**Flooring, Ceramic Tile**  
 (See Tile, Ceramic)

**Flooring, Cork**  
 (See Tile, Cork)

**Flooring, Hardwood, Oak**

Alabama Oak Flooring Co  
 Arkansas Oak Flooring Co  
 Atlanta Oak Flooring Co  
 Bradley Southern Div Pottatch Forests  
 Bruce E L Co  
 Burroughs-Ross-Colville Co  
 Carpenter Oak Flooring Co  
 Cherokee Flooring Corp  
 Chickamauga Cedar Co Inc  
 Cloud Oak Flooring Co  
 Commonwealth Lumber Corp  
 Connor Lumber & Land Co  
 Cook A B Co  
 Cook F C & Co  
 Cromar Co  
 Crossett Lumber Co  
 Desoto Hardwood Flooring Co  
 Dierks Forests Inc  
 Exchange Sawmills Sales Co  
 Fair D L Lumber Co  
 Fordyce Lumber Co  
 Frost Forest Products Div  
 Galloway Lumber Co  
 General Oak Flooring Co  
 Georgia Pacific Corp  
 Graybeal C R & Sons  
 Grissom-Rakestraw Lumber Co  
 Hardwood Corp of America  
 Harris Hardwood Co Inc  
 Harris Mfg Co  
 Hassell & Parkes Inc  
 Higgins Industries Inc  
 Hillyer-Deutsch-Edwards Inc  
 Hyde-Murphy Co  
 Independence Oak Flooring Co  
 Kentucky Flooring Co  
 Kiefer International Products Co Div  
 King Lumber Industries  
 Leathers A H Mfg Co  
 Marsh Lumber Co  
 McMinnville Mfg Co  
 Meadow River Lumber Co  
 Meridian Wood Prods Co  
 Miller Bros Co  
 Miller Bros Flooring Corp  
 Monarch Flooring Co  
 Mower Lumber Co  
 National Forest Prods Co

Ozark Oak Flooring Co  
 Phillips-Rhyne Lumber Co Inc  
 Pickens Hardwood Flooring Co  
 Plyfloor Inc  
 Ritter W M Lumber Co  
 Robbins Flooring Co  
 Searcy Flooring & Lumber Co  
 Smith W T Lumber Co  
 Southern Pine Lumber Co  
 Texoak Flooring Co  
 Thomson Oak Flooring Co  
 Tibbals Flooring Co  
 Tremont Lumber Co  
 Triplett Lumber Co Inc  
 Veach-May-Wilson Inc  
 Virginia Oak Flooring Co Inc  
 Webster H E Lumber Co  
 Wells J W Lumber Co  
 Williams & Voris Hardwood Co  
 Williams J L & Sons  
 Wood-Mosaic Inc  
 Yawkey-Bissell Hardwood Flooring Co  
 Youngblood Lumber Co

**Flooring, Hardwood, Pre-Finished**

Bangkok Industries Inc  
 Bradley Southern Div Pottatch Forests  
 Bruce E L Co  
 Cromar Co  
 Fair D L Lumber Co  
 Higgins Industries Inc  
 Horner Flooring Co  
 McMinnville Mfg Co  
 Memphis Hardwood Flooring Co  
 Modernwood Co  
 Plyfloor Inc  
 Plywood Co  
 Wood-Mosaic Inc  
 Youngblood Lumber Co

**Flooring, Linoleum**

Armstrong Cork Co  
 Congoleum-Nairn Inc

**Flooring, Parquetry**

Bangkok Industries Inc  
 Berger Insulation Co Inc  
 Bradley Southern Div Pottatch Forests  
 Bruce E L Co  
 Connor Lumber & Land Co  
 Cromar Co  
 Diamond Lumber Co  
 Fair D L Lumber Co  
 Georgia Pacific Corp  
 Graybeal C R & Sons  
 Harris Mfg Co  
 Higgins Industries Inc  
 Kiefer International Products Co Div  
 Miller Bros Flooring Corp  
 Modernwood Co  
 Plyfloor Inc  
 Robbins Flooring Co  
 Virginia Oak Flooring Co Inc  
 Wells J W Lumber Co  
 Wood-Mosaic Inc  
 Yawkey-Bissell Hardwood Flooring Co

**Flooring, Pine & Fir**

Bradley Southern Div Pottatch Forests  
 Brooks-Scanlon Inc  
 Crossett Lumber Co  
 Dierks Forests Inc  
 Fair D L Lumber Co  
 Georgia Pacific Corp  
 Hardwood Corp of America  
 Lightsey Bros  
 Mauk Seattle Lumber Co  
 Pacific Lumber Co  
 Phillips-Rhyne Lumber Co Inc  
 Southern Pine Lumber Co

Veach-May-Wilson Inc  
Weyerhaeuser Sales Co

### Flooring, Plastic (See Tile, Vinyl)

### Flooring, Rubber (See Tile, Rubber)

### Flooring, Underlayment

Aetna Plywood & Veneer Co  
Allied Compositions Co Inc  
American Asbestos Product Co  
American Bitumula & Asphalt Co  
American Mat Corp  
Armstrong Cork Co  
Azrock Floor Products Div  
Barrett Div Allied Chemical Corp  
Borden Chemical Co Div Borden Co  
Camp Co Inc  
Carey Phillip Mfg Co  
Celotex Corp  
Congoleum-Nairn Inc  
Dasco Co Inc  
Flexrock Co  
Flintkote Co  
Forest Fiber Prods Corp  
Georgia Pacific Corp  
Gering Products Inc  
Goodrich E F Co  
Harbor Plywood Corp  
Insullite Co  
Johns-Manville Corp  
Kochon Plywood & Veneer Co Inc  
Masonite Corp  
Milwaukee Plywood Co  
Miracle Adhesives Corp  
National Mfg Corp  
Paxton Frank Lumber Co  
Pecora Inc  
Presstite-Keystone Engineering Products  
Protective Papers Inc  
Selby Battersby & Co  
Southern Plaswood Corp  
Tamma Industries Co  
Thomas Moulding Floor Co Inc  
Tremco Mfg Co  
Tufcrete Co Inc  
United States Gypsum Co  
United States Plywood Corp  
Wood Conversion Co  
Yawkey-Bissell Hardwood Flooring Co

### Flooring & Wall Covering, Marble (See also Stone, Marble)

Camp Co Inc  
Carthage Marble Corp  
Marsh Wall Products Inc  
Vermont Marble Co

### Flue Lining

American Vitrified Prods Co  
Dee Clay Prod Co Inc  
Interstate Brick Co  
Owensboro Sewer Pipe Co  
Patton Clay Mfg Co  
Robinson Clay Product Co  
Stillwater Clay Products Co  
Streater Drain Tile Co

### Flues & Chimneys, Prefabricated

Condensation Engineering Co  
General Products Co  
Majestic Co Inc  
Metalbestos Div Wm Wallace Co

Streater Drain Tile Co  
Van-Packer Co Div Flintkote Co  
Vega Industries Inc Uni-Bilt

### Folding Doors (See Doors, Flexible & Folding)

### Forced Air Furnaces (See Furnaces, Forced Air)

### Fork Lifts (See Trucks, Fork Lifts)

### Forms, Concrete (See Concrete Forms)

### Frames, Door & Window, Metal

Aetna Steel Prods Corp  
Arnweid Building Products  
Builders Mfg Co  
Ceco Steel Prods Corp  
Clay Equipment Corp  
Copeco Steel & Engineering Co  
Federal Windows Mfg Co Inc  
Fenestra Inc  
Inland Steel Products Co  
International Fireproof Door Co  
Kewancee Mfg Co  
Knapp Brothers Mfg Co  
Lorenz Prods Inc  
Marmet Corp  
Meaker Bros Iron Co  
Metal Crafters  
Mueller Brass Co  
National Aluminum Co  
One-Der Frame Corp  
Pittsburgh Plate Glass Co  
Richards-Wilcox Mfg Co  
Richmond Fireproof Door Co  
Spartan Steel Products Corp  
Starline Inc  
Steelcraft Mfg Co  
Trimco Metal Prods  
Truscon Steel Div Republic Steel Corp  
United Steel Fabricators Inc  
Virginia Metal Products Inc

### Frames, Door & Window, Wood

Andersen Corp  
Bradley Southern Div Pottatch Forests  
Caradco Inc  
Cole Mfg Co  
Curtis Companies Inc  
Deer Park Pine Industry Inc  
Dierks Forests Inc  
Dyke Bros  
Farley & Loetscher Mfg Co  
Fir-Pine Prods Co  
Fordyce Lumber Co  
Georgia Pacific Corp  
Goshen Sash & Door Co  
Gregg & Son Inc  
Hyde-Murphy Co  
Ideal Mfg Co Div Wm Cameron & Co  
Keystone Frame & Mfg Co  
Lorenz Prods Inc  
Malta Mfg Co  
Misoula White Pine Sash Co  
Mutual Fir Column Co  
Pacific Mfg Co  
Pacific Mutual Door Co  
R-M Millwork Corp  
Rockwell of Randolph Inc  
Silerest Co  
Southern Mill & Mfg Co  
Wei-Bilt Products Co

Western Pine Mfg Co  
White Pine Sash Co  
Woodward Lumber Co

### Framing, Steel (See Steel, Structural)

### Framing, Wood (See Lumber)

### Freezers (See Refrigerators & Freezers)

### Fronts, Store (See Store Fronts)

### Furnaces, Counterflow Units

Airtemp Div Chrysler Corp  
American Furnace Co  
American Standard Air Conditioning Div  
Armstrong Furn Co Div Natl U E  
Bryant Mfg Co  
Burnham Corp Berger Furnace Div  
Carrier Corp  
Chattanooga Royal Co  
Coleman Co Inc  
Day & Night Mfg Div  
Delco Appliance Div General Motors  
Dowagiac Steel Furnace Co  
Dravo Corp Machinery Div  
Empire Stove Co  
General Automatic Prods Corp  
General Electric Co Air Cond Dept  
Gillen J L Co  
Hell-Quaker Corp  
Henry Furnace Co  
Hess Co  
Hollaender Mfg Co  
International Oil Burner Co  
Jackson & Church Div York Shipley Inc  
Janitrol Heating & Air Conditioning  
Kaustine Furnace & Tank Co  
Kresky Mfg Co  
Lennox Industries Inc  
Majestic Co Inc  
Mayflower Air-Conditioners Inc  
Meyer Furnace Co  
Morrison Steel Products Inc  
Motor Wheel Corp  
Mueller Climatrol Div Worthington Corp  
National-U S Radiator Corp  
Niagara Furnace Div  
Northwest Foundry & Furnace Co  
Olsen C A Mfg Co  
Patten J V Co  
Payne Co  
Perfection Industries Div Hupp Corp  
Pioneer Mfg Co  
Premier Furnace Co  
Rheem Mfg Co  
Richmond Plumbing Fixtures  
Roberts Gordon Appliance Corp  
Rybolt Heater Co  
Samuel Stamping & Enameling Co  
Sequoia Mfg Co  
Smith A O Corp Permaglas Div  
Stratton Terstegge Co  
Temco Inc  
Temperature Appliance Mfg Co  
Thatcher Furnace Co  
Toridheet Div Cleveland Steel Prods Corp  
Typhoon Air Conditioning Co  
Viking Mfg Corp  
Wayne Home Equipment Co Inc  
Williams Oil-O-Matic Heating Co  
Williamson Co  
Wood John Co Heater & Tank Div  
York Corp Sub Borg-Warner  
York-Shipley Inc

**Furnaces, Floor**

Bryant Mfg Co  
Carrier Corp  
Cavalier Corp  
Ceilheat Inc  
Coleman Co Inc  
Coolerator McGraw-Edison  
Empire Stove Co  
General Automatic Prods Corp  
Gillen J L Co  
Hell-Quaker Corp  
Holly-General Co  
Hotstream Heater Co  
Janitrol Heating & Air Conditioning  
Kresky Mfg Co  
Kresno-Stamm Mfg Co  
Little H C Burner Co  
Morrison Steel Products Inc  
Northwest Foundry & Furnace Co  
Northwest Metal Products Inc  
Payne Co  
Perfection Industries Div Hupp Corp  
Premier Furnace Co  
Queen Stove Works Inc  
Radiation Furnace Corp  
Rheem Mfg Co  
Samuel Stamping & Enameling Co  
Stratton Terstegge Co  
Temco Inc  
Temperature Appliance Mfg Co  
Typhoon Air Conditioning Co  
Viking Mfg Corp  
Zink John Co

**Furnaces, Forced Air**

Airtemp Div Chrysler Corp  
American Furnace Co  
American Standard Air Conditioning Div  
Armstrong Furn Co Div Natl U E  
Bard Mfg Co  
Bryant Mfg Co  
Burnham Corp Berger Furnace Div  
Carrier Corp  
Chattanooga Royal Co  
Coleman Co Inc  
Day & Night Mfg Div  
Delco Appliance Div General Motors  
Dowagiac Steel Furnace Co  
Dravo Corp Machinery Div  
Empire Stove Co  
General Electric Co Air Conditioning Dept  
General Gas Light Co  
Gillen J L Co  
Hell-Quaker Corp  
Henry Furnace Co  
Hess Co  
Holland Furnace Co  
Holly-General Co  
Ingersoll Prod Div Borg-Warner  
International Oil Burner Co  
Jackson & Church Div York Shipley Inc  
Janitrol Heating & Air Conditioning  
Johnson S T Co  
Kaustine Furnace & Tank Co  
Kresky Mfg Co  
Lennox Industries Inc  
Little H C Burner Co  
Majestic Co Inc  
Mayflower Air-Conditioners Inc  
Meyer Furnace Co  
Morrison Steel Products Inc  
Mueller Climatrol Div Worthington Corp  
National-U S Radiator Corp  
Niagara Furnace Div  
Norman Prods Co  
Northwest Foundry & Furnace Co  
Olsen C A Mfg Co  
Patten J V Co  
Payne Co  
Perfection Industries Div Hupp Corp  
Premier Furnace Co  
Radiation Furnace Corp  
Reznor Mfg Co  
Rheem Mfg Co  
Richmond Plumbing Fixtures  
Roberts Gordon Appliance Corp  
Rybolt Heater Co

Sequoia Mfg Co  
Smith A O Corp Permaglas Div  
Stewart-Warner Corp Heating & A/C Div  
Stratton Terstegge Co  
Temco Inc  
Temperature Appliance Mfg Co  
Thatcher Furnace Co  
Toridheet Div Cleveland Steel Prods Corp  
Tuck-Aire Furnace Co  
Typhoon Air Cond Co Div Hupp Corp  
Viking Mfg Corp  
Waterman-Waterbury Co  
Wayne Home Equipment Co Inc  
Williams Oil-O-Matic Heating Co  
Williamson Co  
Wood John Co Heater & Tank Div  
York Corp Sub Borg-Warner  
York-Shipley Inc  
Zink John Co

**Furnaces, Suspended**

Airtemp Div Chrysler Corp  
American Furnace Co  
American Standard Air Conditioning Div  
Armstrong Furn Co Div Natl U E  
Burnham Corp Berger Furnace Div  
Bryant Mfg Co  
Burnham Corp Berger Furnace Div  
Carrier Corp  
Chattanooga Royal Co  
Chicago Fire Brick Co  
Coleman Co Inc  
Delco Appliance Div General Motors  
Dowagiac Steel Furnace Co  
Dravo Corp Machinery Div  
Empire Stove Co  
General Automatic Prods Corp  
Gilbert & Barker Mfg Co  
Hell-Quaker Corp  
Henry Furnace Co  
Hess Co  
Jackson & Church Div York Shipley Inc  
Janitrol Heating & Air Conditioning  
Kaustine Furnace & Tank Co  
Lennox Industries Inc  
Majestic Co Inc  
Mayflower Air-Conditioners Inc  
Meyer Furnace Co  
Morrison Steel Products Inc  
Mueller Climatrol Div Worthington Corp  
National-U S Radiator Corp  
Niagara Furnace Div  
Norman Prods Co  
Northwest Foundry & Furnace Co  
Olsen C A Mfg Co  
Patten J V Co  
Payne Co  
Perfection Industries Div Hupp Corp  
Pioneer Mfg Co  
Premier Furnace Co  
Reznor Mfg Co  
Rheem Mfg Co  
Richmond Plumbing Fixtures  
Rybolt Heater Co  
Sequoia Mfg Co  
Smith A O Corp Permaglas Div  
Stratton Terstegge Co  
Temco Inc  
Temperature Appliance Mfg Co  
Thatcher Furnace Co  
Toridheet Div Cleveland Steel Prods Corp  
Typhoon Air Cond Co Div Hupp Corp  
Viking Mfg Corp  
Wayne Home Equipment Co Inc  
Williamson Co  
Wood John Co Heater & Tank Div  
York Corp Sub Borg-Warner  
York-Shipley Inc  
Zink John Co

**Furnaces, Wall**

Armstrong Products Corp  
Carrier Corp

Chattanooga Royal Co  
Coleman Co Inc  
Day & Night Mfg Div  
Empire Stove Co  
General Gas Light Co  
Holly-General Co  
International Oil Burner Co  
Kresky Mfg Co  
Lennox Industries Inc  
Little H C Burner Co  
Morrison Steel Products Inc  
Mueller Climatrol Div Worthington Corp  
Northwest Foundry & Furnace Co  
Northwest Metal Products Inc  
Ohio Foundry & Mfg Co  
Payne Co  
Perfection Industries Div Hupp Corp  
Pioneer Mfg Co  
Radiation Furnace Corp  
Rheem Mfg Co  
Samuel Stamping & Enameling Co  
Stewart-Warner Corp Heating & A/C Div  
Suburban Propane Gas Corp  
Temco Inc  
Utility Appliance Corp

**Fuse Boxes**

Adam Frank Electric Co  
Columbia Metal Box Co  
Cutler Hammer Inc  
Federal Pacific Electric Co  
General Electric Co Circuit Prot Devices  
Kees F D Mfg Co  
Keystone Mfg Co  
Square D Co  
Utility Service Co Inc

**Garage Doors  
(See Doors, Garage)****Garage Hardware  
(See Hardware, Garage)****Garages, Prefabricated  
(See Directory of Home  
Manufacturers)****Garbage Disposers  
(See Disposers, Garbage;  
also see Incinerators)****Generators, Engine-Driven**

Katolight Corp  
Onan D W & Sons Inc  
Waukesha Motor Co  
Witte Engine Works U S Steel Corp

**Generators, Portable, Electric**

Allis Chalmers Mfg Construction Mach  
Caterpillar Tractor Co  
Dayton Electric Mfg Co  
Fairbanks Morse & Co  
Hamco  
Homelite Div Textron Inc  
Jackson Vibrators Inc  
Katolight Corp  
Kohler Co  
Master Mechanic Mfg Co  
Master Vibrator Co  
Milwaukee Elec Tool Corp  
Onan D W & Sons Inc  
Pioneer Gen E Motor Corp  
Rockaway Sales Co  
Speedway Mfg Div Thor Power Tool Co  
Thor Power Tool Co  
Universal Motor Co

Wincharger Corp  
Winpower Mfg Co

### Glass, Architectural & Ornamental

Bache Semon & Co  
Blue Ridge Glass Corp  
Forman-Ford & Co  
Libbey-Owens-Ford Glass Co  
Mississippi Glass Co  
Nurre Co  
Pennsylvania Wire Glass Co  
Pittsburgh Plate Glass Co  
Safetee Glass Co

### Glass Blocks

Acme Brick Co  
Forman-Ford & Co  
Gagnon Clay Products Co  
Kimble Glass Co Sub Owens-Illinois  
Owens-Illinois  
Pittsburgh Corning Corp

### Glass, Crystal Sheet

American Window Glass Div  
Fourco Glass Co  
Libbey-Owens-Ford Glass Co  
Nurre Co  
Pittsburgh Plate Glass Co  
Toledo Plate & Window Glass Co

### Glass, Double Pane

Bache Semon & Co  
Forman-Ford & Co  
Libbey-Owens-Ford Glass Co  
Mondial United Corp  
Nurre Co  
Pittsburgh Plate Glass Co  
Toledo Plate & Window Glass Co

### Glass, Plate

Bache Semon & Co  
Donnelly-Kelley Glass Co  
Forman-Ford & Co  
Franklin Glass Corp  
Goshen Sash & Door Co  
Libbey-Owens-Ford Glass Co  
Nurre Co  
Pittsburgh Plate Glass Co  
Safetee Glass Co  
Toledo Plate & Window Glass Co

### Glass, Structural

Mondial United Corp

### Glass, Window, Wire

American Window Glass Div  
Bache Semon & Co  
Blue Ridge Glass Corp  
Forman-Ford & Co  
Goshen Sash & Door Co  
Libbey-Owens-Ford Glass Co  
Mississippi Glass Co  
Nurre Co  
Pittsburgh Plate Glass Co  
Toledo Plate & Window Glass Co

### Glazing Compounds (See Caulking & Glazing Compounds)

### Greenhouses, Prefabricated

Devac Inc  
Jones Shutter Products  
Lord & Burnham Corp

### Grilles, Doors & Windows

Bayley William Co  
Cincinnati Iron Fence Co Inc  
Coffman R G Co Inc  
Macklanburg-Duncan Co  
Metal Crafters  
Yeck Mfg Co

### Guards, Areawall (See Areawalls & Guards)

### Gum Lumber (See Lumber, Gum)

### Guns, Paint Spray (See Paint Spray Guns)

### Guns, Pneumatic Concrete Application

Air Placement Equipment Co  
Santa Anita Mfg Co  
Sprayton Equipment Co

### Guns, Pneumatic, Plaster

Plastering Development Center Inc

### Gutters, Metal

Alabama Metal Lath Co Inc  
Aluminum Co of America  
Ceco Steel Prods Corp  
Chase Brass & Copper Co Inc  
Harrison Steel Cabinet Co  
Inland Steel Products Co  
Keystone Mfg Co  
Klauser Mfg Co  
Lyon Conklin & Co Inc  
Northwest Metal Products Inc  
Penn Supply Metal Corp  
Quaker State Metals Co  
Reeves Steel & Mfg Co Div  
Republic Steel Corp  
Reynolds Metals Co  
Saint Paul Corrugating Co  
Tennison Bros Inc  
Wheeling Corrugating Co

### Gutters, Roof Equipment

Nixalite Co of America



NIXALITE COMPANY OF AMERICA, Bush Island, Ill., U.S.A.

### Gypsum Plaster (See Plaster, Gypsum)

### Hammers, Gasoline

Barco Mfg Co

### Hammers, Hand (See Tools, Carpenter, Hand)

### Hammers, Pneumatic

Chicago Pneumatic Tool Co  
Dotmar Industries Inc  
Ingersoll-Rand Co  
Le Rol Div Westinghouse Air Brake Co  
Powernall Co  
Speedway Mfg Div Thor Power Tool Co  
Thor Power Tool Co  
Worthington Corp

### Hammers, Portable Electric

Black & Decker Mfg Co  
Blum Julius & Co Inc  
Homelite Div Textron Inc  
Ingersoll-Rand Co  
Master Vibrator Co  
Millers Falls Co  
Milwaukee Elec Tool Corp  
Rawplug Co Inc  
Skill Corp  
Speedway Mfg Div Thor Power Tool Co  
Stanley Electric Tools  
Syntron Co  
Thor Power Tool Co  
Wodack Electric Tool Corp

### Hangers, Bathtub

American Standard Plumbing & Heating  
Hollaender Mfg Co  
Kohler Co  
Lucke William B Inc  
Mirre Chrome Co Inc

### Hangers, Insulation

Moore Goodloe E Inc

### Hangers, Joist & Lumber

Adams Co  
Baumgartner Gate Factory  
Cleveland Steel Specialty Co  
Copco Steel & Engineering Co  
Dayton Sure-Grip & Shore Co  
Donley Brothers Co  
Duplex Hanger Co  
Gabriel Steel Co  
Harris Inc  
Ideal Hanger Co  
Kees F D Mfg Co  
Lanebro Mfg Co  
Rudeen N H Co Inc  
Timber Engineering Co  
United Steel Prods Co  
Vestal Mfg Co  
Yeck Mfg Co

### Hardboard

Aetna Plywood & Veneer Co  
Armstrong Cork Co  
Cascades Plywood Corp  
Celotex Corp  
Clear Fir Sales Co  
Commonwealth Lumber Corp  
Diamond Lumber Co  
Erdle Perforating Co Inc  
Evans Products Co  
Evans Prods Co Hardboard Div  
Fiddes-Moore Co  
Flintkote Co  
Forest Fiber Prods Corp  
Georgia Pacific Corp  
Harbor Plywood Corp  
Insulite Co  
Johns-Manville Corp

Kaiser Gypsum Co Inc  
 Keasbey & Mattison Co  
 Kochton Plywood & Veneer Co Inc  
 Marsh Wall Products Inc  
 Masonite Corp  
 Midwest Plywood Co  
 Milwaukee Plywood Co  
 National Gypsum Co  
 Oregon Lumber Co  
 Pacific Mutual Door Co  
 Paxton Frank Lumber Co  
 Roddis Plywood Corp  
 Simpson Logging Co  
 Superwood Corp  
 United States Gypsum Co  
 United States Plywood Corp  
 Weyerhaeuser Lumber Co  
 Woodall Industries Inc  
 Woodward Lumber Co  
 Youngblood Lumber Co

### Hardware, Cabinet

Acme Appliance Mfg Co  
 Acorn Mfg Co  
 Ajax Hardware Corp  
 Amerock Corp

GENUINE  
**Amerock**  
HARDWARE

**KNOBS  
and  
PULLS**

For every need in  
Chromium, Brass, Cop-  
per, and Black finishes.




Contemporary




Modern




Colonial

AMEROCK CORPORATION

ROCKFORD, ILLINOIS

Amerock Hardware Mfg Inc  
 Austin & Biddy Inc  
 Baldwin Hardware Mfg Corp  
 Bealmer Mfg Co  
 Challenger Lock Co Inc  
 Colonial Bronze Co  
 Corbin P & F Div American Hardware  
 Designware Industries Inc  
 Dexter Lock Div Dexter Industries  
 Engineered Prods Co  
 Extension Drawer Support Co  
 Frantz Mfg Co  
 Frick-Gallagher Mfg Co Inc  
 Gensco Tools  
 Grant Pulley & Hardware Corp  
 Griffin Mfg Co  
 H & M Cabinet Service  
 Hager C & Sons Hinge Mfg Co  
 Heller W C & Co  
 Ideal Brass Works Inc  
 Ives H B Co  
 Junior-Pro Prods Co  
 Knappe & Vogt Mfg Co  
 Laboratory Equip Corp  
 Lake Drive Products Co Inc  
 Lawrence Brothers Inc  
 Macklanburg-Duncan Co  
 McKinney Mfg Co  
 Mirra Cote Co  
 Morgan-Wightman Co  
 National Lock Co  
 National Mfg Co  
 Nordahl Sliding Door Frames  
 Pacific Brass & Hardware Mfg Co

Parker S Hdwe Mfg Corp  
 Penn-Akron Corp  
 Russell & Erwin Div American Hdwe  
 Safe Padlock & Hdwe Co  
 Sargent & Co  
 Selck Walter E & Co  
 Sharon Hardware Mfg Co  
 Shelby Metal Prods Co  
 Shelby Spring Hinge Co  
 Slaymaker Lock Co  
 Soss Mfg Co  
 Stanley Works  
 Sterling John Corp  
 Sturdl-Bilt Steel Products Inc  
 Triangle Mfg Co  
 Turner Brass Works  
 Washington Steel Prods  
 Western Lock Mfg Co  
 Yale & Towne Mfg Co  
 Yoder Mfg Co

### Hardware, Closet (See Closet Accessories)

### Hardware, Door

Acme Appliance Mfg Co  
 Ajax Hardware Corp  
 Allith Prouty Inc  
 American Screen Products Co  
 Amerock Corp

GENUINE  
**Amerock**  
HARDWARE

**CATCHES**







Pushbutton, magnetic, and  
friction types for every purpose.  
Chromium, Brass, Copper,  
and Colonial finishes.

**ASK YOUR WHOLESALER**

AMEROCK CORPORATION

ROCKFORD, ILLINOIS

Baldwin Hardware Mfg Corp  
 Bommer Spring Hinge Co Inc  
 Brainerd Mfg Co  
 Challenger Lock Co Inc  
 Chicago Spring Hinge Co  
 Colorado Fuel & Iron Corp  
 Corbin P & F Div American Hardware  
 Detroit Hardware Mfg Co  
 Dexter Lock Div Dexter Industries  
 Fenestra Inc  
 Frantz Mfg Co  
 Getty H S & Co Inc  
 Grand Specialties Co  
 Grant Pulley & Hardware Corp  
 Griffin Mfg Co  
 Hager C & Sons Hinge Mfg Co  
 Hardware Products Inc  
 Harloc Products Corp  
 Heppner Sales Co  
 Independent Lock & Hardware Co  
 Ives H B Co  
 Kant-Slam Door Check Co  
 Kennatrack Corp Sub Ekco Prods  
 Knappe & Vogt Mfg Co  
 Kwikset Div American Hardware Corp  
 LCN Closers Inc  
 Labrie Mfg Co Inc

HARDWARE - WINDSOR, SCHLAGE,  
 KWIKSET, YALE,  
 OTHERS  
**MORGAN-WIGHTMAN**  
 National Quality Supply House  
 WRITE FOR  
 CATALOG 159 - DEPT. AH  
 9910 PAGE - ST. LOUIS, MO

Lawrence Brothers Inc  
 Leigh Bldg Prods Div  
 Lockwood Hardware Mfg Co  
 Ludwig Mfg Co Inc  
 Macklanburg-Duncan Co  
 McKinney Mfg Co  
 Morgan-Wightman Co  
 National Aluminum Co  
 National Lock Co  
 National Mfg Co  
 Nordahl Sliding Door Frames  
 Norton Door Closer Co  
 Nudor Mfg Corp  
 Pacific Brass & Hardware Mfg Co  
 Parker S Hdwe Mfg Corp  
 Penn Gref Mfg Co  
 Peters Jas & Son  
 Russell & Erwin Div American Hardware  
 Safe Padlock & Hdwe Co  
 Sargent & Co  
 Schlage Lock Co  
 Shelby Spring Hinge Co  
 Slaymaker Lock Co  
 Soss Mfg Co  
 Stanley Works  
 Starline Inc  
 Sterling John Corp  
 Wagner Mfg Co  
 Washington Steel Prods  
 Wels Henry Mfg Co  
 Welsco  
 Western Lock Mfg Co  
 Wright Prods Inc  
 Yale & Towne Mfg Co

### Hardware, Garage, Upward Acting

Allith Prouty Inc  
 Barber Colman Co Overdoors Div  
 Better-Bilt Door Co  
 Calder Mfg Co  
 Capitol Products Co  
 Colorado Fuel & Iron Corp  
 Crawford Door Co  
 Frantz Mfg Co  
 Hager C & Sons Hinge Mfg Co  
 Howell Mfg Co  
 Lawrence Brothers Inc  
 McKee Door Co  
 Phenix Mfg Co  
 Power Door Co  
 Raynor Mfg Co  
 Richards-Wilcox Mfg Co  
 Ridge Door Co  
 Stanley Works  
 Tavart Co  
 Taylor Lock Co  
 Wagner Mfg Co  
 Wei-Bilt Products Co  
 Yale & Towne Mfg Co

### Hardware, Screen & Storm Sash

Ajax Hardware Corp  
 Amerock Corp  
 Colorado Fuel & Iron Corp  
 Dennis W J & Co  
 Engineered Prods Co  
 Frantz Mfg Co  
 Griffin Mfg Co  
 Hager C & Sons Hinge Mfg Co  
 Handy Things Mfg Co  
 Ideal Brass Works Inc  
 Independent Lock & Hardware Co

Kees F D Mfg Co  
 Knape & Vogt Mfg Co  
 Larson Chas O Co  
 Lawrence Brothers Inc  
 Lockwood Hardware Mfg Co  
 Ludwig Mfg Co Inc  
 McKinney Mfg Co  
 National Lock Co  
 National Mfg Co  
 Parker S Hdwe Mfg Corp  
 Per-Fit Prods Spickelmer Ind  
 Reynolds Metals Co  
 Russell & Erwin Div American Hardware  
 Safe Padlock & Hdwe Co  
 Sharon Hardware Mfg Co  
 Shelby Metal Prods Co  
 Shelby Spring Hinge Co  
 Slaymaker Lock Co  
 Stanley Works  
 Washburn Co  
 Western Lock Mfg Co  
 Wright Prods Inc  
 Yale & Towne Mfg Co

### Hardware, Shelf, Disappearing

Amerock Corp

**GENUINE Amerock HARDWARE**

**HIDE-A-SHELF HARDWARE**

**TWO-POSITION LOCKING** for stand-up or sit-down jobs

**EASY to use**  
**EASY to sell**

**ASK YOUR WHOLESALER**



**AMEROCK CORPORATION**

ROCKFORD, ILLINOIS

### Hardware, Sliding & Folding Door

Acme Appliance Mfg Co  
 Ajax Hardware Corp  
 Allith Prouty Inc  
 Challenger Lock Co  
 Clay Equipment Corp  
 Colorado Fuel & Iron Corp  
 Corbin P & F Div American Hardware  
 Cox Arthur & Sons Inc  
 Designware Industries Inc  
 Dexter Lock Div Dexter Industries  
 Engineered Prods Co  
 Frantz Mfg Co  
 Grant Pulley & Hardware Corp  
 Hager C & Sons Hinge Mfg Co  
 Independent Lock & Hardware Co  
 Kennatrack Corp Sub Ekco Prods  
 Knape & Vogt Mfg Co

**Leigh**

**DOOR HARDWARE**

— ALL TYPES

Wood Folding Door Hardware — exciting NEW Velvet-Glide traverse rods with self-adjusting spring-loaded pivots. Also rock-bottom-priced Economy sets.

Pocket Door Hardware — Complete pre-fab unit is adjustable, rattle-proof — strongest built.

New Sizzomatic Door Hardware — The complete package for by-passing doors — installs easily, low cost.

Write for catalog:  
**LEIGH BUILDING PRODUCTS**  
 Division of A F Control Products, Inc.  
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Lanebro Mfg Co  
 Lawrence Brothers Inc  
 Leigh Bldg Prods Div  
 Lockwood Hardware Mfg Co  
 Louden Machinery Co  
 Macklanburg-Duncan Co  
 McKinney Mfg Co  
 Morgan Co  
 Morgan-Wightman Co  
 National Aluminum Co  
 National Mfg Co  
 Nordahl Sliding Door Frames  
 Olson Mfg Co  
 Pacific Brass & Hardware Mfg Co  
 Parker S Hdwe Mfg Corp  
 Peters Jas & Son  
 Richards-Wilcox Mfg Co  
 Russell & Erwin Div American Hdwe  
 Safe Padlock & Hdwe Co  
 Stanley Works  
 Starline Inc  
 Sterling John Corp  
 Wagner Mfg Co  
 Washington Steel Prods  
 Western Lock Mfg Co  
 Yale & Towne Mfg Co

### Hardware, Window

A R B Window Sales Co  
 Ajax Hardware Corp  
 Amerock Corp

**GENUINE Amerock HARDWARE**

**SASH LOCKS**

**NOW WITH SPRING ACTION!**

**"LOCK YOUR WINDOWS—**  
**LIKE YOU LOCK YOUR DOORS"**

Streamlined Sash Lifts to Match

**ASK YOUR WHOLESALER**



**AMEROCK CORPORATION**

ROCKFORD, ILLINOIS

Corbin P & F Div American Hardware  
 Cox Arthur & Sons Inc  
 Croft Metal Products Inc  
 Detroit Hardware Mfg Co  
 Dexter Lock Div Dexter Industries  
 Fenestra Inc  
 Frantz Mfg Co  
 Corbin P & F Div American Hardware  
 Getty H S & Co Inc  
 Grand Rapids Hardware Co  
 Grant Pulley & Hardware Corp  
 Griffin Mfg Co  
 Hager C & Sons Hinge Mfg Co  
 Ideal Brass Works Inc  
 Ives H B Co  
 Kirsch Co  
 Lawrence Brothers Inc  
 Ludman Corp  
 Macklanburg-Duncan Co  
 McKinney Mfg Co  
 Midwest Wholesale Hardware Co  
 National Lock Co  
 National Mfg Co  
 Pacific Brass & Hardware Mfg Co  
 Parker S Hdwe Mfg Corp  
 Russell & Erwin Div American Hdwe  
 Safe Padlock & Hdwe Co  
 Sargent & Co  
 Sharon Hardware Mfg Co  
 Shelby Metal Prods Co  
 Shelby Spring Hinge Co  
 Slaymaker Lock Co  
 Stanley Works  
 Star Expansion Industries Corp  
 Sterling John Corp  
 Unique Balance Div S H Pomeroy Co  
 Universal Window Co

Vulcan Metal Prods Inc  
 Van-Ross Co Inc  
 Whitney Vincent Co  
 Wright Prods Inc  
 Yale & Towne Mfg Co

### Heat Pumps (See Pumps, Heat)

### Heaters, Bathroom

Adam Frank Electric Co  
 Armstrong Products Corp  
 Broan Mfg Co Inc  
 Cavalier Corp  
 Ceilheat Inc  
 Chattanooga Royal Co  
 Dixie Radiant Electric Heat Corp  
 Electrend Products Corp  
 Electromode Div Commercial Controls  
 Emerson-Pryne Co  
 Empire Stove Co  
 Fresh-nd-Aire Div Cory Corp  
 Heatnore Inc  
 Hunter Div Robbins & Myers Inc  
 Lehon Co  
 Markel Electric Prods Inc  
 Miami Cabinet Div Phillip Carey Mfg  
 NuTone Inc  
 Ohio Foundry & Mfg Co  
 Peerless Mfg Corp  
 Perfection Industries Div Hupp Corp  
 Samuel Stamping & Enameling Co  
 Shepler Mfg Co  
 Thermador Elec Mfg Co  
 Trade-Wind Motorfans Inc  
 Westix Electric Heater Co  
 Westinghouse Electric Corp  
 Wiegand Edwin L Co

### Heaters, Contractors, Portable

American Air Filter Co  
 Coleman Co Inc  
 Cribben & Sexton Co  
 Dearborn Stove Co  
 Dixie Radiant Electric Heat Corp  
 Donley Brothers Co  
 Electromode Div Commercial Controls  
 Goldblatt Tool Co  
 Heil-Quaker Corp  
 Insto-Gas Corp  
 Jackson Mfg Co  
 Lennox Industries Inc  
 Locke Stove Co  
 Master Vibrator Co  
 Muller Machinery Co Inc  
 Newark Ladder & Bracket Co Inc  
 Ohio Foundry & Mfg Co  
 Peerless Mfg Corp  
 Perfection Industries Div Hupp Corp  
 Silent Glow Oil Burner Co  
 Stiglitz Corp  
 Stow Mfg Co  
 Suburban Propane Gas Corp  
 Thermador Elec Mfg Co  
 Vulcan Electric Co  
 Western Metal Specialty Co  
 Wiegand Edwin L Co

### Heating Controls (See Controls, Heating)

### Heating Registers (See Registers, Heating & Ventilating)

### Heating Systems, Electric

Allied Precialen Indus Inc  
 Berns Air King Corp  
 Brown Prods Co

Cavalier Corp  
 Cellheat Inc  
 Continental Radiant Glass Heating  
 Dixie Radiant Electric Heat Corp  
 Electrend Products Corp  
 Electromode Div Commercial Controls  
 General Electric Co Cons Materials Div  
 General Electric Co Wiring Device Dept  
 Gerwin Industries  
 Heatmore Inc  
 Hunter Div Robbins & Myers Inc  
 International Oil Burner Co  
 Markel Electric Prods Inc  
 Meier Electric & Machine Co Inc  
 Muncie Gear Co  
 Precision Parts Corp  
 Siant-Fin Radiator Corp  
 Sunwarm Inc  
 Thermador Elec Mfg Co  
 Typhoon Heat Pump Co  
 Vulcan Electric Co  
 Wesix Electric Heater Co  
 Westinghouse Electric Corp  
 Wiegand Edwin L Co

### Heating Systems, Forced Warm Air

Airtemp Div Chrysler Corp  
 American Furnace Co  
 American Standard Air Conditioning Div  
 Armstrong Furn Co Div Natl U E  
 Barber Mfg Co  
 Bryant Mfg Co  
 Burnham Corp Berger Furnace Div  
 Carrier Corp  
 Chattanooga Royal Co  
 Coleman Co Inc  
 Crane Co  
 Day & Night Mfg Div  
 Delco Appliance Div General Motors  
 Dowagiac Steel Furnace Co  
 Dravo Corp Machinery Div  
 Electrend Products Corp  
 Electromode Div Commercial Controls  
 Empire Stove Co  
 Frigidaire Div General Motors Corp  
 General Automatic Prods Corp  
 General Electric Co Air Cond Dept  
 General Gas Light Co  
 Gerwin Industries  
 Gilbert & Barker Mfg Co  
 Henry Furnace Co  
 Holland Furnace Co  
 Holly-General Co  
 Hunter Div Robbins & Myers Inc  
 Jackson & Church Div York Shipley Inc  
 Kaustine Furnace & Tank Co  
 Kresky Mfg Co  
 Kresno-Stamm Mfg Co  
 Lennox Industries Inc  
 Little H C Burner Co  
 Logan Clay Prods Co  
 Majestic Co Inc  
 Mayflower Air-Conditioners Inc  
 Morrison Steel Products Inc  
 Motor Wheel Corp  
 Mueller Climatrol Div Worthington Corp  
 National-U S Radiator Corp  
 Niagara Furnace Div  
 Norman Prods Co  
 Northwest Metal Products Inc  
 Oakland Foundry Co  
 Olsen C A Mfg Co  
 Patten J V Co  
 Payne Co  
 Peerless Corp  
 Penn Boiler & Burner Mfg Corp  
 Perfection Industries Div Hupp Corp  
 Pioneer Mfg Co  
 Premier Furnace Co  
 Quincy Stove Mfg Co  
 Reznor Mfg Co  
 Rheem Mfg Co  
 Richmond Plumbing Fixtures  
 Roberts Gordon Appliance Corp  
 Robinson Clay Product Co  
 Rybolt Heater Co

Sequoia Mfg Co  
 Straitsville Brick Co  
 Stratton Terstegge Co  
 Temco Inc  
 Temperature Appliance Mfg Co  
 Viking Mfg Corp  
 Waterman-Waterbury Co  
 Wiegand Edwin L Co  
 Williams Oil-O-Matic Heating Co  
 Williamson Co  
 Wood John Co Heater & Tank Div  
 York Corp Sub Borg-Warner  
 York-Shipley Inc  
 Zink John Co

### Heating Systems, Hot Water & Steam

Aldrich Co  
 American Radiator & Standard Sanitary  
 American Standard Plumbing & Heating  
 Bell & Gossett Co  
 Brown Prods Co  
 Burnham Boiler Corp  
 Carrier Corp  
 Crane Co  
 Delco Appliance Div General Motors  
 Dunham-Bush Inc  
 Dunkirk Radiator Corp  
 Edwards Engineering Corp  
 Embassy Steel Prods Inc  
 Erie City Iron Works  
 Fedders-Quigan Corp  
 Federal Boiler Co Inc  
 Fitzgibbons Boiler Co Inc

## Fitzgibbons

Quality Steel Boilers  
**FITZGIBBONS BOILER COMPANY, INC.**  
 Field Sales Office and Plant  
 OSWEGO, NEW YORK

General Automatic Prods Corp  
 Gilbert & Barker Mfg Co  
 Hell-Quaker Corp  
 Hoffman Specialty Mfg Corp  
 Hydrotherm Inc  
 Johnson S T Co  
 Koven L O & Bro Inc  
 Kresky Mfg Co  
 Kresno-Stamm Mfg Co  
 Kritzer Radiant Coils Inc  
 Little H C Burner Co  
 Modine Mfg Co  
 Mueller Climatrol Div Worthington Corp  
 National-U S Radiator Corp  
 Nesbitt John J Inc  
 Peerless Heater Co  
 Penn Boiler & Burner Mfg Corp  
 Precision Parts Corp  
 Rheem Mfg Co  
 Richmond Plumbing Fixtures  
 Roberts Gordon Appliance Corp  
 Rome-Turney Radiator Co  
 Ruud Mfg Co  
 Siant-Fin Radiator Corp  
 Smith A O Corp Permaglas Div  
 Smith H B Co  
 Stratton Terstegge Co  
 Suburban Propane Gas Corp  
 Taco Heaters Inc  
 Thrush H A & Co  
 Toridheet Div Cleveland Steel Prods Corp  
 Trane Co  
 Triplex Heating Specialty Co Inc  
 Utica Radiator Corp  
 Viking Mfg Corp  
 Waterfilm Boilers  
 Wayne Home Equipment Co Inc  
 Webster Warren & Co  
 Well-McLain Co  
 Williams Oil-O-Matic Heating Co  
 Wood John Co Heater & Tank Div  
 York-Shipley Inc  
 Young Radiator Co

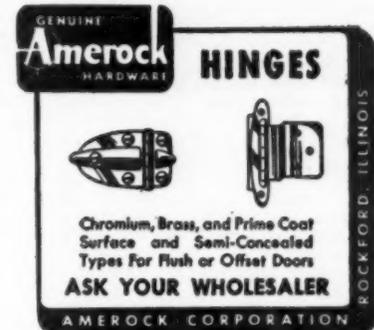
### Heating Systems, Radiant

Bell & Gossett Co  
 Burnham Boiler Corp  
 Burnham Corp Berger Furnace Div  
 Byers A M Co  
 Cellheat Inc  
 Continental Radiant Glass Heating  
 Electromode Div Commercial Controls  
 Embassy Steel Prods Inc  
 Heatmore Inc  
 Hunter Div Robbins & Myers Inc  
 Kritzer Radiant Coils Inc  
 Logan Clay Prods Co  
 Morrison Steel Products Inc  
 National-U S Radiator Corp  
 Panel Heat Inc  
 Precision Parts Corp  
 Radiant-Ray Radiation Inc  
 Reflectotherm Inc  
 Rempe Co  
 Stratton Terstegge Co  
 Sunwarm Inc  
 Taco Heaters Inc  
 Thrush H A & Co  
 Utica Radiator Corp  
 Viking Mfg Corp  
 Wesix Electric Heater Co  
 Wiegand Edwin L Co  
 Woodside Engineering Co  
 York-Shipley Inc

### Hemlock Lumber (See Lumber, Hemlock)

### Hinges

Ajax Hardware Corp  
 Amerock Corp



Austin & Eddy Inc  
 Bommer Spring Hinge Co Inc  
 Brainerd Mfg Co  
 Carey-McFall Co  
 Chicago Spring Hinge Co  
 Corbin P & F Div American Hdwe Corp  
 Frantz Mfg Co  
 Gensco Tools  
 Griffin Mfg Co  
 Hager C & Sons Hinge Mfg Co  
 Ideal Brass Works Inc  
 Knape & Vogt Mfg Co  
 Lawrence Brothers Inc  
 Leeds Edward & Co  
 McKinney Mfg Co  
 Miracle Hinge Co  
 Morgan-Wightman Co  
 National Lock Co  
 National Mfg Co  
 Parker S Hdwe Mfg Corp  
 Richards-Wilcox Mfg Co  
 Russell & Erwin Div American Hdwe  
 Safe Padlock & Hdwe Co  
 Sharon Hardware Mfg Co  
 Slaymaker Lock Co  
 Stanley Works  
 Wright Prods Inc

## Hinges, Invisible

Acme Appliance Mfg Co  
Amerock Corp  
National Lock Co  
Parker S Hdwe Mfg Corp  
Richards-Wilcox Mfg Co  
Soss Mfg Co  
Washington Steel Prods

## Hoists & Derricks

Allis Chalmers Mfg Construction Mach  
American Engineering Co  
American Hoist & Derrick Co  
Beaver Advance Corp  
Bil-Jax Inc  
C H & E Mfg Co  
Chicago Pneumatic Tool Co  
Cleveland Tramrail Div  
Clyde Iron Works Inc  
Coffing Hoist Div Duff-Norton  
Construction Machinery Co  
Gardner-Denver Co  
Gifford-Wood Co  
Grand Specialties Co  
Hewitt-Robins Inc  
Hyster Co  
Ingersoll-Rand Co  
Jaeger Machine Co  
King Mfg Co  
Lewis-Shepard Products Inc  
Louden Machinery Co  
Manning Maxwell & Moore Inc  
McCabe Powers Body Co  
Muller Machinery Co Inc  
Novo Pump & Engine Co  
Patent Scaffolding Co The  
Proctor Products Co  
Robbins & Myers Inc  
Round David & Son Inc  
Sasgen Derrick Co  
Shepard Niles Crane & Hoist Corp  
Silent Hoist & Crane Co  
Smith Hoist Mfg Co  
Stimmel Winch Co Inc  
Thor Power Tool Co  
Tubular Structures Corp of America  
Yale & Towne Mfg Co

## Hoists, Truck

Galion Allsteel Body Co  
Gar Wood Industries Inc  
Hell-Quaker Corp  
Hyster Co  
Little Giant Prods Inc  
Manning Maxwell & Moore Inc  
McCabe Powers Body Co  
Sasgen Derrick Co  
Silent Hoist & Crane Co  
Stimmel Winch Co Inc

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**Leigh**

**NEW RANGE HOODS**  
Full selection of styles and sizes.

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LEIGH BUILDING PRODUCTS  
Division of Air Control Products, Inc.  
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Berns Air King Corp  
Broan Mfg Co Inc  
C & H Supply Co Inc  
Cal Vent Mfg Co  
Carey Philip Mfg Co  
Chelsea Fan & Blower Co Inc  
Emerson-Pryne Co  
Fasco Industries Inc  
Gray & Dudley Co  
Gregg & Son Inc

Hunter Div Robbins & Myers Inc  
Lau Blower Co  
Leigh Bldg Prods Div  
Miami Cabinet Div Philip Carey Mfg  
Morgan-Wightman Co



National Stove Co  
NuTone Inc  
Pioneer Mfg Co  
Preway Inc  
Progress Mfg Co Inc  
Stanthony Corp  
Stewart Industries Inc  
Swanson Mfg Co  
Trade-Wind Motorfans Inc  
Universal Blower Co  
Vent-A-Hood Co  
Ventrola Mfg Co  
West Wind Corp

## Houses, Manufactured (See Directory of Home Manufacturers)

## Incinerators

Adams Co  
Alsto Co  
American Incinerator Corp  
Bowser Inc  
Brule Incinerator Corp  
Calcinator Corp  
Caloric Appliance Corp  
Chicago Fire Brick Co  
Columbia Brick Works  
Donley Brothers Co  
Gagnon Clay Products Co  
Goder Joseph Inc  
Holland Furnace Co  
Hotstream Heater Co  
Incineration Div Bowser Inc  
Incinerator Prods Co  
Industrial Iron Works  
Kerner Incinerator Div  
Lennox Industries Inc  
Locke Stove Co  
Majestic Co Inc  
Motor Wheel Corp  
Norman W F Sheet Metal Mfg Co  
Oakland Foundry Co  
Outdoor Oven Fireplace Co  
Queen Stove Works Inc  
Quincy Stove Mfg Co  
Roper Geo D Corp  
Stone Products Co  
Suburban Propane Gas Corp  
Superflame Queen Prods Inc  
Syrall Mfg Co  
Waste King Corp

## Instruments, Surveying

Berger C L & Sons  
Bostrom-Brady Mfg Co  
Copperweld Steel Co  
Dietzgen Eugene Co  
Goldblatt Tool Co  
Hopkins Mfg Co  
Keuffel & Esser Co  
Post Frederick Co  
Starrett L S Co  
Warren-Knight Co  
White David Instrument Co

Designed to fit the builder's needs...  
Priced to fit the builder's budget

## BERGER SURVEYING INSTRUMENTS

"Master Builder" Convertible

Heavy Duty 12" Dumpy Level  
SPEED-A-LINER Transit-Level  
SPEED-A-LINER Dumpy Level  
SIGHT 'n' SURFACE Pocket Level  
Service Transit-Level  
Service Dumpy Level  
Duplex Tilting Level



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and Equipment Section

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47A Williams Street.  
Boston 19, Mass.

## Insulating Board, Plank & Tile (See also Sheathing, Insulating Board)

Abitibi Corp  
Armstrong Cork Co  
Barclay Mfg Co Inc  
Barrett Div Allied Chemical Corp  
Celotex Corp  
Flintkote Co  
Flintkote Co  
Great American Industries  
Insulite Co  
Johns-Manville Corp  
Kaiser Gypsum Co Inc  
National Gypsum Co  
Pioneer Div The Flintkote Co  
Plastergon Wall Board Co  
Protective Products Co  
Schundler F E & Co Inc  
Simpson Redwood Co  
United States Gypsum Co  
U S Mineral Wool Co  
Wolverine Porcelain Enameling Co  
Wood Conversion Co  
Yamhill Plywood Co

## Insulating Lath (See Lath, Insulating)

## Insulating Plaster (See Plaster, Insulating)

## Insulation, Aluminum Foil

Abbeon Supply Co  
American Sisalkraft Corp  
Carson G & W H Inc  
Delta Co  
Infra Insulation Inc  
Insulation Industries Inc  
Janesville Cotton Mills  
Kaiser Aluminum & Chemical Sales Inc  
Lehan Co  
Lifetime Industries Inc  
Lockport Mills Inc  
Logan-Long Co  
Ludlow Papers Inc  
Protective Papers Inc  
Quaker State Metals Co  
Reflectal Corp Sub Borg-Warner  
Reynolds Metals Co  
Ruberoid Co  
Silvercote Prods Inc

Steelcote Mfg Co  
Thilmany Pulp & Paper Co  
Wilson Grant Inc

**Insulation, Batt or Blanket, Cotton Fiber**

Barnhardt Mfg Co  
Insulation Industries Inc  
Janesville Cotton Mills  
Lockport Mills Inc  
Logan-Long Co  
Pioneer Div The Flintkote Co  
Silvercote Prods Inc  
Tayler Bedding Mfg Co Inc—Cotton Div  
United States Rubber Co

**Insulation, Batt or Blanket, Fiber Glass**

Berger Insulation Co Inc  
Flintkote Co  
Insulte Co  
Kochton Plywood & Veneer Co Inc  
L-O-F Glass Fibers Co  
Logan-Long Co  
Owens-Corning Fiberglass Corp  
Pioneer Div The Flintkote Co  
Pittsburgh Plate Glass Co  
Ruberoid Co  
Sealtite Insulation Mfg Corp  
Silvercote Prods Inc  
Texas Vermiculite Co  
Tiger Brands Div Basic Inc  
Vermiculite-Northwest Inc

**Insulation, Batt or Blanket, Mineral Wool**

Baldwin Hill Co  
Barrett Div Allied Chemical Corp  
Berger Insulation Co Inc  
Carey Philip Mfg Co  
Carney Co Inc  
Celotex Corp  
Chamberlin Co of America  
Chicago Fire Brick Co  
Corson G & W H Inc  
Eagle-Picher Co  
Forty-Eight Insulations Inc  
Industrial Prods Co Inc  
Johns-Manville Corp  
Kaiser Gypsum Co Inc  
Lehon Co  
Logan-Long Co  
National Gypsum Co  
Schundler F E & Co Inc  
Sealtite Insulation Mfg Corp  
Tiger Brands Div Basic Inc  
United States Gypsum Co  
U S Mineral Wool Co

**Insulation, Batt or Blanket, Wood Fiber**

Berger Insulation Co Inc  
Pal-O-Pak Insulation Co Inc  
Weyerhaeuser Lumber Co  
Wood Conversion Co

**Insulation, Board, Fiber**

Air O Cel Co  
Barrett Div Allied Chemical Corp  
Bird & Son Inc  
Carey Philip Mfg Co  
Celotex Corp  
Cemex of Arizona  
Cree-Dipt Co Inc  
Dant & Russell Inc  
Flintkote Co  
Homasote Co  
Insulte Co

Johns-Manville Corp  
Keasbey & Mattison Co  
Logan-Long Co  
National Gypsum Co  
Pioneer Div The Flintkote Co  
Plastergon Wall Board Co  
Simpson Logging Co  
Southern Pine Lumber Co  
United States Gypsum Co  
Wood Conversion Co  
Zonolite Co

**Insulation, Glass Cellular**

Pittsburgh Corning Corp  
Silvercote Prods Inc

**Insulation, Granular Fill**

Acme Brick Co  
Armstrong Cork Co  
Berger Insulation Co Inc  
Dodson Mfg Co Inc  
Graybeal C R & Sons  
Great Lakes Carbon Corp Perlite Div  
Nelson B F Mfg Co  
Pal-O-Pak Insulation Co Inc  
Ruberoid Co  
Schundler F E & Co Inc  
Texas Vermiculite Co  
Vermiculite-Northwest Inc  
Waylite Co  
Wilson Grant Inc  
Zonolite Co

**Insulation, Rigid Foamed Plastic**

Dow Chemical Co  
Gilman Bros Co  
Uni-Crest Div United Cork

**Insulation, Roof, Deck (See Decks, Roof, Insulating)**

**Insulation, Slab Edge**

Baldwin Hill Co  
Berger Insulation Co Inc  
Dow Chemical Co  
Forty-Eight Insulations Inc  
Meadows W R Inc  
National Gypsum Co  
Owens-Corning Fiberglass Corp  
Simpson Redwood Co  
Tiger Brands Div Basic Inc  
U S Mineral Wool Co

**Insulation, Spray On**

Abesto Mfg Co  
Evercrete Corp  
Great Lakes Carbon Corp Perlite Div  
Green A P Fire Brick Co  
Keasbey & Mattison Co  
Mortell J W Co  
Pioneer Div The Flintkote Co  
Quigley Co Inc  
Sealtite Insulation Mfg Corp  
Texas Vermiculite Co  
U S Mineral Wool Co  
Vermiculite-Northwest Inc  
Zonolite Co

**Intercoms & Radios**

C & H Supply Co Inc  
Dukane Corp  
Executone Inc  
Fansen Electric Co Inc  
Flush Wall Radio Co

Home Music Systems Inc  
Kaar Engineering Corp  
Melody Master  
Music & Sound Inc  
Musical Corp  
NuTone Inc  
Progress Mfg Co Inc  
RCA Victor Service Co  
Rittenhouse Co Inc  
Roberts Mfg Co  
Simpson Mark Mfg Co Inc  
Swanson Mfg Co  
Talk A Phone Co  
Talk-A Radio Mfg Co  
Webster Electric Co

**Iron, Ornamental (See Ornamental Iron)**

**Ironers, Built-In**

Ironite Inc

**Jacks, Ceiling**

Gypsum Ceiling Jack Co

**Jams, Metal (See Frames, Door & Window)**

**Jointers (See Planers & Jointers)**

**Joists, Concrete, Precast**

Colercrete Industries Inc  
Flexicore Co Inc  
Stone Products Co

**Joists, Steel**

Bethlehem Steel Co  
Ceco Steel Prods Corp  
Haven-Busch Co  
International Steel Co  
Jones & Laughlin Steel Corp  
Laclede Steel Co  
Macomber Inc  
Penn Metal Co Inc  
Republic Steel Corp  
Ryerson Joseph T & Son  
Sheffield Div Armco Steel Corp  
Stran-Steel Corp Div Natl Steel Corp  
Truscon Steel Div Republic Steel Corp

**Kitchen Appliances (See Ranges & Ovens; also Refrigerators, etc.)**

**Kitchen Cabinets, Metal**

Beautycraft Kitchens Div  
Crane Co  
Dwyer Prod Corp  
Earle Kitchen Unit Co  
Ejler Div Murray Corp of America  
General Electric Co Appliance & TV Div  
General Metalcraft Inc Olympia Div  
Geneva Modern Kitchens  
Harrison Steel Cabinet Co  
Kelvinator Div American Motors Co  
Kohler Co  
Kraus Walter S Co  
Marvel Metal Prods Co  
Oakland Foundry Co  
RCA Whirlpool Appliance Corp  
Republic Steel Corp Berger Div  
Republic Steel Corp

St Charles Mfg Co  
Shirley Corp  
Toledo Desk & Fixture Co  
Tracy-American Kitchens  
United Metal Cabinet Corp  
Walters Mfg Co  
Westinghouse Electric Appliance Div  
Youngstown Kitchens

### Kitchen Cabinets, Wood

Angel Novelty Co  
Askren J I Co  
Atkins Wood Products Corp  
Beautycraft Kitchens Div  
Bel-Wood Mfg Co  
Boro Wood Prods Co Inc  
Brammer Manufacturing Co  
Buffalo Mfg Corp  
Caradco Inc  
Colonial Products Co  
Coppes Inc  
Curtis Companies American Plywood Div  
Curtis Companies Inc  
Del-Mar Cabinet Co Inc  
Earle Kitchen Unit Co  
Farley & Loetscher Mfg Co  
Fibersin Plastics Co  
Gregg & Son Inc  
Harris Inc  
Hines Edward Lumber Co  
Hyde-Murphy Co  
Hyde Park Products Co  
The I-XL Furniture Co  
Ideal Mfg Co Div Wm Cameron & Co  
International Paper Co Long-Bell Div  
Kitchen Compact Inc  
Kitchen Maid Corp  
Kraus Walter S Co  
Major Line Products Co Inc  
Marsh Furniture Co  
Mengel Co  
Merillat Woodworking Co  
Morgan Co  
Morgan-Wightman Co



Mutschler Bros  
National Electric Prods Corp  
National Kitchens  
Nevamar Carefree Kitchens  
Pacific Mfg Co  
Precisionware Inc  
Schelrich H J Co  
Schenck William & Co  
Spokane Sash & Door Co  
Texboro Cabinet Corp  
Western Pine Mfg Co  
Westinghouse Electric Appliance Div  
Wood Metal Industries

### Kitchens, Efficiency

Douglas Crestlyn International Inc

### Ladders & Accessories (See also Scaffolding & Shoring)

Abbeon Supply Co  
Adams Engineering Co  
Ajax Building Bracket Co  
Babeok W W Co Inc  
Ballymore Co  
Bauer Mfg Co  
Berg John Mfg Co  
Bradley Southern Div Pottatch Forests

Clark J R Co  
Dayton Safety Ladder Co  
Duo-Safety Ladder Corp  
Flint A W Co  
Goshen Churn & Ladder Inc  
Holland Ladder & Mfg Co  
Holms Mfg Co of Ohio  
Howard Mfg Co  
Larson Ladder Co  
Louisville Ladder Co  
Mayes Bros Tool & Mfg Co  
Michigan Ladder Co  
Moulton Ladder Mfg Co  
National Aluminum Co  
Newark Ladder & Bracket Co Inc  
Patent Scaffolding Co The  
Philadelphia Screen Mfg Co  
Rich Howard B Inc  
Tilley John S Ladders Co Inc  
Werner R D Co Inc  
Zoss Ladder & Mfg Co

### Laminated Plastic (See Plastic Laminates)

### Latches (See Hardware, Cabinet; Hardware, Door; Hardware, Window)

### Lath, Gypsum

Barrett Div Allied Chemical Corp  
Bestwall Certain-Teed Sales Corp  
Celotex Corp  
Flintkote Co  
Grand Rapids Plaster Co  
Kaiser Gypsum Co Inc  
National Gypsum Co  
Ruberoid Co  
United States Gypsum Co

### Lath, Insulating

Bestwall Certain-Teed Sales Corp  
Grand Rapids Plaster Co  
National Gypsum Co  
Pioneer Div The Flintkote Co  
Plastergon Wall Board Co  
Simpson Logging Co  
United States Gypsum Co

### Lath, Metal & Accessories (See also Moldings, Metal)

Alabama Metal Lath Co Inc  
B & T Metals Co  
Benjamin Electric Co  
Bostwick Steel Lath Co  
Bradley Southern Div Pottatch Forests  
Casings Inc Drywall Trim Div  
Ceco Steel Prods Corp  
Cupples Products Corp  
General Electric Co Air Cond Dept  
General Plastics Corp  
Goldsmith Metal Lath Co  
Inland Steel Products Co  
International Molded Plastics  
Kaiser Gypsum Co Inc  
Keystone Steel & Wire Co  
Klauer Mfg Co  
National Aluminum Co  
National Gypsum Co  
Penn Metal Co Inc  
Penn Supply Metal Corp  
Pittsburgh Steel Co  
Pyramid Mouldings Inc  
Reynolds Metals Co  
Richkraft Co  
Sanymetal Products Co Inc  
Soule Steel Co  
Truscon Steel Div Republic Steel Corp

United States Gypsum Co  
Wheeling Corrugating Co  
Wire Specialties Co

### Laundry Tubs (See Tubs, Laundry)

### Levels, Carpenters & Masons

Bostrom-Brady Mfg Co  
Columbia Brick Works  
Empire Level Mfg Co  
Engis Equipment Co  
Geo-Optic Co  
Goldblatt Tool Co  
Graham John H & Co Inc  
Hall Level & Mfg Works  
Harris Inc  
Hydrolevel  
Levelall  
Macklanburg-Duncan Co  
Mayes Bros Tool & Mfg Co  
Mayes R & Son Level Mfg Co  
Millers Falls Co  
Ox-Wall Tool Co  
Peerless Level & Tool Co  
Pickett Products Inc  
Port Austin Level & Tool Mfg Co  
Sands Level & Tool Co  
Scharf J H Mfg Co  
Simplex Level Co  
Stanley Tools  
Starrett L S Co  
Warren-Knight Co

### Lighting Controls (See Wiring Systems)

### Lighting Fixtures (See Fixtures, Electric Lighting)

### Lighting, Outdoor, Gas

Arkla-Servel Corp

### Limestone (See Stone, Limestone)

### Liners, Concrete Form (See Concrete Form Liners)

### Linoleum Roll & Tile

Armstrong Cork Co  
Bird & Son Inc  
Bonafide Mills Inc  
Congoleum-Nairn Inc  
Flintkote Co

### Lintels, Steel (See Steel, Structural)

### Louver Doors (See Doors, Louver)

### Louvers (See Ventilators, Roof & Wall; also Registers, Heating)

### Lumber, Birch

Aetna Plywood & Veneer Co

Atlanta Oak Flooring Co  
Berger Insulation Co Inc  
Connor Lumber & Land Co  
Diamond Lumber Co  
Goodman Lumber Div Calumet & Hecla  
Hardwood Corp of America  
Hines Edward Lumber Co  
Horner Flooring Co  
Meadow River Lumber Co  
Mower Lumber Co  
Paxton Frank Lumber Co  
Robbins Flooring Co  
Veach-May-Wilson Inc  
Youngblood Lumber Co

### Lumber, Cypress

Arrow Tank Co Inc  
Atlanta Oak Flooring Co Inc  
Berger Insulation Co Inc  
Crossett Lumber Co  
Fordyce Lumber Co  
Frost Forest Products Div  
Georgia Pacific Corp  
Hardwood Corp of America  
Hillyer-Deutsch-Edwards Inc  
Hines Edward Lumber Co  
Paxton Frank Lumber Co  
Phillips-Rhyne Lumber Co Inc  
Ritter W M Lumber Co  
Southern Pine Lumber Co  
Triplett Lumber Co Inc  
Youngblood Lumber Co

### Lumber, Fir, Douglas

Arrow Tank Co Inc  
Brookings Plywood Corp  
Brooks-Scanlon Inc  
Cascade Lumber Co  
Clear Fir Sales Co  
Comfort Geo N Lumber Co  
Coos Bay Timber Co  
Deer Park Pine Industry Inc  
Diamond Lumber Co  
Evans Products Co  
Exchange Sawmills Sales Co  
Fir-Pine Prods Co  
Georgia Pacific Corp  
Giustina Brothers Lumber Co  
Gray Lumber & Shingle Co  
Harbor Plywood Corp  
Hines Edward Lumber Co  
Kochton Plywood & Veneer Co Inc  
Martin Bros Cont & Timber Prods Corp  
Mauk Seattle Lumber Co  
Menasha Sales Corp  
Miller George E Lumber Co  
Neils J Lumber Co Div St Regis Paper Co  
Ostin David Moulding Corp  
Pacific Lumber Co  
Pacific Mutual Door Co  
Paxton Frank Lumber Co  
Robinson Plywood & Timber Co  
Rosboro Lumber Co  
St Paul & Tacoma Lumber Co  
Simpson Logging Co  
Simpson Redwood Co  
Summit Sales Co  
Timber Products Co  
United States Plywood Corp  
U S Plywood Corp Shasta Div  
Webster H E Lumber Co  
Western Pine Mfg Co  
Weyerhaeuser Sales Co  
Willamette Valley Lumber Co  
Winton Lumber Sales Co  
Youngblood Lumber Co

### Lumber, Gum

Angelina Hardwood Sales Co  
Crossett Lumber Co  
Fair D L Lumber Co  
Fordyce Lumber Co  
Frost Forest Products Div

Georgia Pacific Corp  
Hardwood Corp of America  
Hines Edward Lumber Co  
Paxton Frank Lumber Co  
Southern Pine Lumber Co  
Texoak Flooring Co  
Tibbals Flooring Co  
United States Plywood Corp  
Veach-May-Wilson Inc  
Williams J L & Sons

### Lumber, Hemlock, Western

Clear Fir Sales Co  
Comfort Geo N Lumber Co  
Commonwealth Lumber Corp  
Connor Lumber & Land Co  
Georgia Pacific Corp  
Giustina Brothers Lumber Co  
Goodman Lumber Div Calumet & Hecla  
Gray Lumber & Shingle Co  
Hines Edward Lumber Co  
Kochton Plywood & Veneer Co Inc  
Martin Bros Cont & Timber Prods Corp  
Mauk Seattle Lumber Co  
Miller George E Lumber Co  
Neils J Lumber Co Div St Regis Paper Co  
Pacific Mutual Door Co  
Robinson Plywood & Timber Co  
St Paul & Tacoma Lumber Co  
Simpson Logging Co  
Southern Mill & Mfg Co  
Summit Sales Co  
United States Plywood Corp  
Veach-May-Wilson Inc  
Weyerhaeuser Sales Co  
Willamette Valley Lumber Co  
Winton Lumber Sales Co

### Lumber, Mahogany

Atlanta Oak Flooring Co  
Youngblood Lumber Co

### Lumber, Maple

Arrow Tank Co Inc  
Atlanta Oak Flooring Co  
Berger Insulation Co Inc  
Connor Lumber & Land Co  
Cook F C & Co  
Georgia Pacific Corp  
Goodman Lumber Div Calumet & Hecla  
Griffith Lumber Co  
Hardwood Corp of America  
Hines Edward Lumber Co  
Horner Flooring Co  
McMinnville Mfg Co  
Meadow River Lumber Co  
Mower Lumber Co  
Paxton Frank Lumber Co  
Phillips-Rhyne Lumber Co Inc  
Robbins Flooring Co  
Tibbals Flooring Co  
Veach-May-Wilson Inc  
Williams J L & Sons  
Youngblood Lumber Co

### Lumber, Oak, Red & White

Aetna Plywood & Veneer Co  
Angelina Hardwood Sales Co  
Arkansas Oak Flooring Co  
Arrow Tank Co Inc  
Atlanta Oak Flooring Co  
Berger Insulation Co Inc  
Cloud Oak Flooring Co  
Cook F C & Co  
Crossett Lumber Co  
Diamond Lumber Co  
Fair D L Lumber Co  
Fordyce Lumber Co  
Frost Forest Products Div  
Georgia Pacific Corp  
Goodman Lumber Div Calumet & Hecla  
Griffith Lumber Co  
Hardwood Corp of America

Hines Edward Lumber Co  
McMinnville Mfg Co  
Meadow River Lumber Co  
Memphis Hardwood Flooring Co  
Miller Bros Co  
Mower Lumber Co  
Paxton Frank Lumber Co  
Phillips-Rhyne Lumber Co Inc  
Ritter W M Lumber Co  
Robbins Flooring Co  
Southern Pine Lumber Co  
Texoak Flooring Co  
Tibbals Flooring Co  
Tremont Lumber Co  
Veach-May-Wilson Inc  
Virginia Oak Flooring Co Inc  
Williams J L & Sons  
Youngblood Lumber Co

### Lumber, Pine

Brooks-Scanlon Inc  
Bruce E L Co  
Cascade Lumber Co  
Comfort Geo N Lumber Co  
Commonwealth Lumber Corp  
Connor Lumber & Land Co  
Contact Lumber Co  
Crawford Corp  
Crossett Lumber Co  
Deer Park Pine Industry Inc  
Diamond Lumber Co  
Exchange Sawmills Sales Co  
Fair D L Lumber Co  
Fir-Pine Prods Co  
Frost Forest Products Div  
Georgia Pacific Corp  
Goodman Lumber Div Calumet & Hecla  
Gray Lumber & Shingle Co  
Harbor Plywood Corp  
Hardwood Corp of America  
Hines Edward Lumber Co  
Hillyer-Deutsch-Edwards Inc  
Kochton Plywood & Veneer Co Inc  
Mauk Seattle Lumber Co  
National Forest Prods Co  
Neils J Lumber Co Div St Regis Paper Co  
Ostin David Moulding Corp  
Ozan Lumber Co  
Pacific Mutual Door Co  
Paxton Frank Lumber Co  
Phillips-Rhyne Lumber Co Inc  
Pickering Lumber Corp  
Ritter W M Lumber Co  
Smith M R Shingles Co  
Southern Mill & Mfg Co  
Southern Pine Lumber Co  
Timber Products Co  
Tremont Lumber Co  
Triplett Lumber Co Inc  
United States Plywood Corp  
U S Plywood Corp Shasta Div  
Veach-May-Wilson Inc  
Webster H E Lumber Co  
Western Pine Mfg Co  
Weyerhaeuser Sales Co  
Winton Lumber Sales Co  
Woodward Lumber Co  
Youngblood Lumber Co

### Lumber, Redwood

Arrow Tank Co Inc  
Comfort Geo N Lumber Co  
Diamond Lumber Co  
Georgia Pacific Corp  
Gray Lumber & Shingle Co  
Holmes Eureka Lumber Co  
Kochton Plywood & Veneer Co Inc  
Mauk Seattle Lumber Co  
Miller E C Lumber Co  
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(See Concrete Finishing  
Machines)

**Machines, Nailing**  
(See Nailing Machines)

**Machines, Office**  
(See Office Machines &  
Equipment)

**Machines, Taping**  
(See Taping Machines)

**Maple Lumber**  
(See Lumber, Maple)

**Marble**  
(See Flooring & Wall  
Covering, Marble; also  
Stone, Marble)

**Masonry Tools**  
(See Tools, Masons,  
Plasterers)

**Mesh, Reinforcing**  
(See Reinforcing Bars &  
Mesh)

**Metal Lath & Moldings**  
(See Lath, Metal; also  
Moldings, Metal)

**Millwork & Moldings, Wood**

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Anson & Gilkey Co  
Arkansas Oak Flooring Co  
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Bradley Southern Div Pottatch Forests Inc

Buffalo Mfg Corp  
Cloud Oak Flooring Co  
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Connor Lumber & Land Co  
Contact Lumber Co  
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Curtis Companies Inc  
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Farley & Loetscher Mfg Co  
Grinnell Sash & Door Co  
Harbor Plywood Corp  
Heller W C & Co  
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Hyde-Murphy Co  
Lightsey Bros  
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Miller Bros Flooring Corp  
Mutual Fir Column Co  
Ostin David Moulding Corp  
Ozark Oak Flooring Co  
Pacific Mutual Door Co  
Paxton Frank Lumber Co  
Philadelphia Screen Mfg Co  
Rock Island Millwork Co Factory Div  
Roddis Plywood Corp  
Royal Woodwork Inc  
Schwerd A F Mfg Co  
Southern Mill & Mfg Co  
Spokane Sash & Door Co  
Tye Lumber Mfg Co  
United States Plywood Corp  
Virginia Oak Flooring Co Inc  
Welsh Plywood Corp  
Western Pine Mfg Co  
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**Mixers, Concrete**  
(See Concrete Mixers)

**Moldings, Hardboard**

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Tremont Lumber Co

**Moldings, Metal**

A & F Tileboard Co  
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Aluminum Co of America  
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Ames Metal Moulding Co  
B & T Metals Co  
Barclay Mfg Co Inc  
Bendix Mouldings Inc  
Blum Julius & Co Inc  
Bostwick Steel Lath Co  
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Casings Inc Drywall Trim Div  
Chamberlin Co of America  
Chase Brass & Copper Co Inc  
Colonial Moulding & Frame Co Inc  
Colorado Fuel & Iron Corp  
Consoweld Corp  
Formetal Inc  
Goldsmith Metal Lath Co  
Inland Steel Products Co  
Kawneer Co  
Kewanee Mfg Co  
Kinkead Industries Inc  
Knapp Brothers Mfg Co  
Loxareen Co Inc  
Macklanburg-Duncan Co  
Marsh Wall Products Inc  
Metal Trims Inc  
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National Aluminum Co  
National Gypsum Co  
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National Window Corp  
Nichols Wire & Aluminum Co  
Parker S Hdwe Mfg Corp  
Penn Metal Co Inc  
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Pittsburgh Plate Glass Co  
Prestile Mfg Co  
Pyramid Mouldings Inc  
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Screens & Fabric Metals Corp  
Selck Walter E & Co  
Superior Industries Inc  
Tex-A-Panel Mfg Co  
Trucon Steel Div Republic Steel Corp  
Tylac Co  
United Industries Inc  
United States Gypsum Co  
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Wells Aluminum Corp  
Werner R D Co Inc  
Wheeling Corrugating Co  
Woodside Engineering Co  
Yeck Mfg Co  
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Asphalt Corp of America  
Azrock Floor Products Div  
Blum Julius & Co Inc  
Consoweld Corp  
Johnson Plastics Corp  
Kentile Inc  
Macklanburg-Duncan Co  
Marsh Wall Products Inc  
National Plastic Products  
Prestile Mfg Co  
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Winner Mfg Co Inc

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Goodrich B F Co  
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Prestile Mfg Co  
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**Moldings, Wood**  
(See Millwork & Moldings,  
Wood)

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American Marietta Co Valdura Div  
American Sta-Dri Co  
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Barrett Div Allied Chemical Corp  
Berry Brothers  
Borden Chemical Co Div Borden Co  
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Flexrock Co  
Forman-Ford & Co  
Forrers Div Spray-O-Bond Co  
Glidden Co  
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Horn A C Companies Div Sun Chemical

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Linseed Oil Products Co  
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Martin-Senour Co  
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Re-Nu-It Corp  
Rockcote Paint Co  
Rust-Oleum Corp  
S-K Laboratories Inc  
Sapolin Paints Inc  
Sargent-Gerke Co  
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Tufcrete Co Inc  
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Borden Chemical Co Div Borden Co  
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Minnesota Paints Inc  
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Permiteco Inc  
Pioneer Div The Flintkote Co  
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Quigley Co Inc  
Seddon Co  
Seidlitz Paint & Varnish Co  
Sheffield Bronze Paint Corp  
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Chemical Products Div Darworth Inc  
Cre-O-Tox Chemical Co  
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Arco Co  
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 Conner Lumber & Land Co  
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 Evans Prods Co Hardwood Div  
 Fair D L Lumber Co  
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 Plywood Co  
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 Globe Roofing Products Co Inc  
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 Ludlow Papers Inc  
 Meadows W R Inc  
 National Mfg Corp  
 Pioneer Div The Flintkote Co  
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 Division Lead Co  
 Kaul Clay Co  
 Logan Clay Prods Co  
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 Robinson Clay Product Co  
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 Streater Drain Tile Co  
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 Bethlehem Steel Co  
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 Today's Home  
 Universal Plan Service  
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### Plaster, Acoustical

Armstrong Cork Co  
 Bestwall Certain-Teed Sales Corp  
 Builders Fireplace & Supply  
 Burgess-Manning Co  
 Dodson Mfg Co Inc  
 Great Lakes Carbon Corp Perlite Div  
 National Gypsum Co  
 Nelson B F Mfg Co  
 Schundler B F & Co Inc  
 Texas Vermiculite Co  
 Tiger Brands Div Basic Inc  
 United States Gypsum Co  
 U S Mineral Wool Co  
 Vermiculite-Northwest Inc  
 Zonolite Co

### Plaster Bonding (See Bonding Agents, Plaster & Concrete)

### Plaster, Guns, Pneumatic (See Guns, Pneumatic, Plaster)

### Plaster, Gypsum

Barrett Div Allied Chemical Corp  
 Bestwall Certain-Teed Sales Corp  
 Celotex Corp  
 Chicago Fire Brick Co  
 Flintkote Co  
 Grand Rapids Plaster Co  
 Kaiser Gypsum Div  
 National Gypsum Co  
 Ruberoid Co  
 Tamms Industries Co  
 United States Gypsum Co

### Plaster, Insulating

Camp Co Inc  
 Great Lakes Carbon Corp Perlite Div  
 National Gypsum Co  
 Schundler F E & Co Inc  
 Texas Vermiculite Co  
 U S Mineral Wool Co  
 Vermiculite-Northwest Inc  
 Zonolite Co

### Plaster & Stucco, Colored

Coddington E D Mfg Co  
 Grand Rapids Plaster Co  
 National Gypsum Co  
 Ohio Lime Co  
 Penn Crete Prods Co  
 United States Gypsum Co

### Plasterboard (See Lath, Gypsum)

### Plastering Tools, (See Tools, Masons, Plasterers)

### Plastic Laminates (See also Countertops)

Aetna Plywood & Veneer Co

Alsynite Co of America  
 Armstrong Cork Co  
 Butler Mfg Co  
 Cermak Tile Co  
 Chemold Co  
 Clad-Rex Corp Sub Simoniz Co  
 Consoweld Corp  
 Continental Can Co Conolite Dept  
 Curtiss Wright Corp Curon Div  
 Fabricon Prods  
 Farley & Loetscher Mfg Co  
 Filon Plastics Corp  
 Formica Corp  
 General Electric Co Laminated Products  
 General Tire & Rubber Co Bldg Materials  
 Haskellite Mfg Corp  
 Kessler Products Co  
 Kochton Plywood & Veneer Co Inc  
 Masland Duralather Co  
 Midwest Plywood Co  
 Milwaukee Plywood Co  
 National Plastics Products  
 Parkwood Laminates Inc  
 Paxton Frank Lumber Co  
 Pioneer Plastics Corp  
 Polyplastex United Inc  
 Ranier Plywood Co  
 Ray-O-Lite Corp of America  
 Regal Laminates Inc  
 Roddis Plywood Corp  
 Ryerson Joseph T & Son  
 Safetee Glass Co  
 St Regis Paper Co Panelite Div  
 Selck Walter E & Co  
 Thilmany Pulp & Paper Co  
 United States Plywood Corp  
 Westinghouse Electric Corp  
 Winner Mfg Co Inc  
 Woodall Industries Inc

### Plastic Moldings (See Moldings, Plastic)

### Plastic Panels, Reinforced

Alsynite Co of America  
 Barclay Mfg Co Inc  
 Barrett Div Allied Chemical Corp  
 Chamberlin Co of America  
 Corrollux Div L-O-F Glass Fibers Co  
 Farley & Loetscher Mfg Co  
 Filon Plastics Corp  
 Haskellite Mfg Corp  
 International Molded Plastics  
 L-O-F Glass Fibers Co  
 Lynch Asbestos Co  
 Miraplas Tile Co  
 Monostructure Inc  
 Pennsylvania Wire Glass Co  
 Plasteel Products Corp  
 Plymold Co  
 Polyplastex United Inc  
 Resolite Corp  
 United States Rubber Co  
 Wasco Products Inc

### Plastic Screening (See Screening, Plastic)

### Plastic Pipe (See Pipe & Tubing, Plastic)

### Plastic Tile (See Tile, Vinyl)

### Plate Glass (See Glass, Plate)

## Plumbing Fixtures (See also Shower Stalls; Vanitys, Lavatory)

Active Tool & Mfg Co  
Allianceware Inc  
American Radiator & Standard Sanitary  
American Standard Plumbing & Heating  
Associated Plumbing Supply Co Inc  
Borg-Warner Corp  
Briggs Mfg Co  
Case W A & Son Mfg Co  
Chicago Faucet Co  
Chicago Pottery Co  
Colonna Angelo Inc  
Crane Co  
Cutler Metal Prods Co  
Delta Faucet Div Masco Screw  
Efron Theodore Mfg Co  
Eljer Div Murray Corp of America  
General Window Co  
Gerber Plumbing Fixtures Corp  
Glissade Inc  
Gyro Brass Mfg Corp  
Haws Drinking Faucet Co  
Kohler Co  
Mansfield Sanitary Inc  
McPherson Inc  
Milwaukee Faucets Inc  
Mirra Cote Co  
Moen Faucet Div Standard Screw Co  
National Plumbing Fixture Corp  
Norris Thermador Corp  
North East Metal Products Corp  
Paramount Aluminum Prod Corp  
Powers Regulator Co  
Reed Cromex Corp  
Richmond Plumbing Fixtures  
Sani-Glas Inc  
Schaible Co  
Sentry Corp  
Sherle-Wagner  
Sloan Valve Co  
Southern Pine Lumber Co  
Speakman Co  
Sterling Faucet Co  
Sterling Precision Plastics Div  
Taylor Halsey W Co  
Union Machine Co  
Univeraal-Rundle Corp  
Wessels Co  
Youngstown Kitchens  
Zurn Industries Inc Plumbing Prods

## Plumbing, Prefabricated Assembly

Colonna Angelo Inc  
Sterling Faucet Co  
Zurn Industries Inc Plumbing Prods

## Plywood, Douglas Fir

Aberdeen Plywood Corp  
Aetna Plywood & Veneer Co  
Arcata Plywood Corp  
Atlanta Oak Flooring Co  
Brookings Plywood Corp  
Cascades Plywood Corp  
Centralia Plywood Inc  
Clear Fir Sales Co  
Comfort Geo N Lumber Co  
Coos Bay Timber Co  
Corvallis Plywood  
Dant & Russell Inc  
Douglas Fir Plywood Co  
Drain Plywood Co  
Durable Fir Lumber & Plywood Co  
Evans Products Co  
Fort Vancouver Plywood Co  
Georgia Pacific Corp  
Harbor Plywood Corp  
Harden Mutual Plywood Corp  
Hines Edward Lumber Co  
Kochton Plywood & Veneer Co Inc  
Linn Plywood Corp  
Mar-Lin Timber Corp  
Martin Bros Cont & Timber Prods Corp

Mauk Seattle Lumber Co  
Medford Veneer & Plywood Corp  
Menasha Sales Corp  
Midwest Plywood Co  
Milwaukee Plywood Co  
Mt Baker Plywood Inc  
Multnomah Plywood Corp  
Nagara Plywood Co Inc  
North Pacific Plywood Inc  
Northwest Door Co  
Oregon Veneer Co  
Oregon-Washington Plywood Co  
Pacific Mutual Door Co  
Paxton Frank Lumber Co  
Peninsula Plywood Corp  
Plywood Service Inc  
Puget Sound Plywood Inc  
Ranier Plywood Co  
Robinson Plywood & Timber Co  
Roddiscraft Inc  
Roddis Plywood Corp  
St Paul & Tacoma Lumber Co  
Simpson Logging Co  
Simpson Redwood Co  
Snellstrom Lumber Co  
Standard Veneer & Timber Co  
Summit Sales Co  
Sunset Plywood Co  
Three Rivers Plywood & Timber  
Timber Products Co  
Triplett Lumber Co Inc  
United States Plywood Corp  
United States Plywood Corp Mutual Ply-  
wood Operations  
U S Plywood Corp Shasta Div  
Vancouver Plywood Co  
Webster H E Lumber Co  
West Coast Plywood Co  
Western Door & Plywood Corp  
Weyerhaeuser Sales Co  
Willamette Valley Lumber Co  
Woodward Lumber Co  
Yamhill Plywood Co  
Youngblood Lumber Co

## Plywood, Embossed

Aetna Plywood & Veneer Co  
Dant & Russell Inc  
Georgia Pacific Corp  
Kochton Plywood & Veneer Co Inc  
Midwest Plywood Co  
Milwaukee Plywood Co  
Paxton Frank Lumber Co  
Plywood Service Inc  
Southwood Corp  
Tex-A-Panel Mfg Co  
United States Plywood Corp  
U S Plywood Corp Shasta Div  
Vancouver Plywood Co  
Woodward Lumber Co  
Youngblood Lumber Co

## Plywood, Hardwood Surfaced

Aberdeen Plywood Corp  
Aetna Plywood & Veneer Co  
Cascades Plywood Corp  
Georgia-Pacific Corp  
Kimble Glass Co Sub Owens-Illinois  
Midwest Plywood Co  
Milwaukee Plywood Co  
Paxton Frank Lumber Co  
United States Plywood Corp  
U S Plywood Corp Shasta Div  
Woodward Lumber Co  
Youngblood Lumber Co

## Plywood, Hardwood

A & F Tileboard Co  
Aetna Plywood & Veneer Co  
Atlanta Oak Flooring Co  
Bangkok Industries Inc  
Braund Plywoods Inc  
Clear Fir Sales Co  
Connor Lumber & Land Co

Curtis Companies American Plywood Div  
Dant & Russell Inc  
Dulaney Plywood Corp  
Elliott Bay Mill Co  
Fiddes-Moore Co  
Georgia Pacific Corp  
Harbor Plywood Corp  
Higgins Industries Inc  
Ipik Door Co Inc  
Jasper Wood Products Co Inc  
Kennebec Inc  
Kochton Plywood & Veneer Co Inc  
Mengel Co  
Midwest Plywood Co  
Milwaukee Plywood Co  
Multnomah Plywood Corp  
Nagara Plywood Co Inc  
North Pacific Plywood Inc  
Northwest Door Co  
Owens-Illinois  
Pacific Mutual Door Co  
Paxton Frank Lumber Co  
Plyfloor Inc  
Plywall Products Co Inc  
Plywood Service Inc  
Puget Sound Plywood Inc  
Robinson Plywood & Timber Co  
Roddis Plywood Corp  
Simpson Logging Co  
Simpson Redwood Co  
Triplett Lumber Co Inc  
United States Plywood Corp  
U S Plywood Corp Shasta Div  
Vancouver Plywood Co  
Weber Veneer & Plywood Co  
Welsh Plywood Corp  
Western Door & Plywood Corp  
Woodward Lumber Co  
Youngblood Lumber Co

## Plywood, Overlaid

Aetna Plywood & Veneer Co  
Cascades Plywood Corp  
Chemold Co  
Crown Zellerbach Corp  
Diamond Lumber Co  
Farley & Loetscher Mfg Co  
Georgia Pacific Corp  
Harbor Plywood Corp  
Haskelite Mfg Corp  
Hines Edward Lumber Co  
Kochton Plywood & Veneer Co Inc  
Midwest Plywood Co  
Milwaukee Plywood Co  
Paxton Frank Lumber Co  
Plywood Service Inc  
Ranier Plywood Co  
Roddis Plywood Corp  
St Paul & Tacoma Lumber Co  
Simpson Logging Co  
United States Plywood Corp  
U S Plywood Corp Shasta Div  
West Coast Plywood Co  
Westinghouse Electric Corp  
Woodward Lumber Co  
Youngblood Lumber Co

## Porch Enclosure Panels (See Plastic Panels, Reinforced)

## Post Hole Diggers

Ford Motor Co Tractor & Implement Div  
Warren Tool Corp  
Wood Shovel & Tool Co

## Posts, Adjustable, Floor Leveling & Supporting

Adjusta Post Mfg Co  
Akron Products Co  
Baumgartner Gate Factory  
Clay Equipment Corp

Cleveland Steel Specialty Co  
Donley Brothers Co  
Gabriel Steel Co  
Harris Inc  
Holms Mfg Co of Ohio  
Logan Co  
Perma-Jack Corp  
Sawhill Tubular Products Inc  
Woodmack Products Inc

#### **Powder-Activated Tools**

Omark Industries Inc  
Ramset Fastening System  
Remington Arms Co Inc

#### **Power Plants (See Generators, Portable)**

#### **Prefabricated Chimneys (See Chimneys, Prefabricated)**

#### **Prefabricated Closets (See Closets, Prefabricated)**

#### **Prefabricated Fireplaces (See Fireplaces, Prefabricated)**

#### **Prefabricated Garages (See Directory of Home Manufacturers)**

#### **Prefabricated Greenhouses (See Greenhouses, Prefabricated)**

#### **Prefabricated Houses (See Directory of Home Manufacturers)**

#### **Prefabricated Outbuildings (See Buildings, Metal)**

#### **Prefabricated Wall Panels**

Barclay Mfg Co Inc  
Brown & Grist Inc  
Carthage Marble Corp  
Fenestra Inc  
General Plastics Corp  
Independent Lumber Co  
Inland Steel Products Co  
Knapp Brothers Mfg Co  
Mahon R C Co  
Monostructure Inc  
Panelfab Products Inc  
Paxton Frank Lumber Co  
Prefabricated Prods Co Inc  
Topcraft Inc

#### **Pumps, Booster, Heating**

American Coils Co  
Aurora Pump Div New York Air Brake  
Barnes Mfg Co  
Bell & Gossett Co  
Chicago Pump Co  
Dayton Electric Mfg Co  
Decatur Pump Co  
Deming Co  
Dunham-Bush Inc  
Dunkirk Radiator Corp  
Everite Pump & Mfg Co Inc

Gardner-Denver Co  
Gorman-Rupp Co  
Goulds Pumps Inc  
Hoffman Specialty Mfg Corp  
Hypro Engineering Inc  
Jacuzzi Bros Inc  
Lawson Mfg Co  
McDonald A Y Mfg Co  
Minneapolis Honeywell Regulator  
Modern Swimming Pool Co Inc  
Myers F E & Bro Co  
National-U S Radiator Corp  
Novo Pump & Engine Co  
Peerless Pump Div Food Machinery Corp  
Red Jacket Mfg Co  
Taco Heaters Inc  
Thrush H A & Co  
Universal Mfg Co  
Weil Pump Co  
Worthington Corp

#### **Pumps, Contractor**

Aurora Pump Div New York Air Brake  
Barnes Mfg Co  
C H & E Mfg Co  
Chain Belt Co  
Chicago Pneumatic Tool Co  
Construction Machinery Co  
Dayton Electric Mfg Co  
Deming Co  
Dempster Mill Mfg Co  
Everite Pump & Mfg Co Inc  
Flint & Walling Mfg Co Inc  
Gorman-Rupp Co  
Goulds Pumps Inc  
Griffin Wellpoint Corp  
Homelite Div Textron Inc  
Jacuzzi Bros Inc  
Jaeger Machine Co  
Kenco Pump Div  
Lancaster Pump & Mfg Co Inc  
Marlow Pumps Div Bell & Gossett Co  
Master Mechanic Mfg Co  
McDonald A Y Mfg Co  
Midland Products Co  
Novo Pump & Engine Co  
Peerless Pump Div Food Machinery Corp  
Red Jacket Mfg Co  
Rice Pump & Machine Co

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Universal Mfg Co  
Worthington Corp

#### **Pumps, Domestic Water Supply**

Aermotor Co  
Aurora Pump Div New York Air Brake  
Baker Mfg Co  
Clayton Mark & Co  
Continental Pump Co  
Crane Co  
Dayton Electric Mfg Co  
Decatur Pump Co  
Deming Co  
Dempster Mill Mfg Co  
Everite Pump & Mfg Co Inc  
Fairbanks Morse & Co  
Flint & Walling Mfg Co Inc  
Goulds Pumps Inc  
Hydraulic Mfg Co  
Lancaster Pump & Mfg Co Inc  
McDonald A Y Mfg Co  
Myers F E & Bro Co  
Red Jacket Mfg Co  
Robbins & Myers Inc  
Sumo Pumps

Tait Mfg Co  
Uniflow Mfg Co  
Universal Mfg Co  
Wayne Home Equipment Co Inc  
Weil Pump Co

#### **Pumps, Heat**

Acme Industries Inc  
Carrier Corp  
Jacuzzi Bros Inc  
Lennox Industries Inc  
Peerless Corp  
Revco Inc  
Typhoon Heat Pump Co  
York Corp Sub Borg-Warner

#### **Pumps, Sump**

Aermotor Co  
Aurora Pump Div New York Air Brake  
Baker Mfg Co  
Barnes Mfg Co  
Chicago Pneumatic Tool Co  
Chicago Pump Co  
Construction Machinery Co  
Dayton Electric Mfg Co  
Decatur Pump Co  
Deming Co  
Dempster Mill Mfg Co  
Everite Pump & Mfg Co Inc  
Fairbanks Morse & Co  
Flint & Walling Mfg Co Inc  
Gardner-Denver Co  
Gorman-Rupp Co  
Goulds Pumps Inc  
Ingersoll-Rand Co  
Jacuzzi Bros Inc  
Kenco Pump Div  
Lancaster Pump & Mfg Co Inc  
Le Roi Div Westinghouse Air Brake Co  
Marlow Pumps Div Bell & Gossett Co  
Milwaukee Faucets Inc  
Morrison Co  
Myers F E & Bro Co  
Oro Mfg Co  
Peerless Pump Div Food Machinery Corp  
Penberthy Mfg Co  
Red Jacket Mfg Co  
Remington Arms Co Inc  
Sin-Jin Products Co  
Standard Electric Mfg Co Inc  
Tait Mfg Co  
Thor Power Tool Co  
Triplex Heating Specialty Co Inc  
Uniflow Mfg Co  
Universal Mfg Co  
Wayne Home Equipment Co Inc  
Weil Pump Co

#### **Quarry Tile (See Tile, Quarry)**

#### **Raceways (See Conduits & Raceways)**

#### **Radial Saws (See Saws, Radial)**

#### **Radiators, Baseboard**

American Standard Plumbing & Heating  
Burnham Boiler Corp  
Burnham Corp Berger Furnace Div  
Crane Co  
Dunkirk Radiator Corp  
Edwards Engineering Corp  
Ejay Mfg Co  
Fedders-Quigan Corp  
Federal Boiler Co Inc  
Kresno-Stamm Mfg Co  
Kritzer Radiant Coils Inc

National-U S Radiator Corp  
Nesbitt John J Inc  
Rittling Corp  
Rome-Turney Radiator Co  
Slant-Fin Radiator Corp  
Stratton Terstegge Co  
Trane Co  
Utica Radiator Corp  
Vulcan Radiator Co  
Webster Warren & Co  
Well-McLain Co  
Wiegand Edwin L Co  
Young Radiator Co

### Radiators, Convectors

American Air Filter Co  
Fedders-Quigan Corp  
Kritzer Radiant Coils Inc  
Modine Mfg Co  
National-U S Radiator Corp  
Rittling Corp  
Rome-Turney Radiator Co  
Vulcan Radiator Co  
Webster Warren & Co  
Wiegand Edwin L Co

### Radios, Built-In

(See Intercoms & Radios)

### Rafters, Laminated

(See Beams, Wood,  
Laminated; also Trusses,  
Roof, Wood)

### Ranges & Ovens, Built-In

Admiral Corp  
Caloric Appliance Corp  
Chambers Built-Ins Inc  
Cribben & Sexton Co  
Dixie Products Inc  
Frigidaire Div General Motors Corp  
General Electric Co Appliance & TV Div  
Gray & Dudley Co  
Gregg & Son Inc  
Hotpoint Co  
Kelvinator Div American Motors Co  
Lindemann A J & Hoverson Co  
Monarch Range Co  
Morgan-Wightman Co  
Mt Vernon Furnace Mfg Co  
National Electric Prods Corp  
National Stove Co  
Oakland Foundry Co  
O'Keefe & Merritt Co  
Philco Corp  
Preway Inc  
RCA Whirlpool Appliance Corp  
Roper Geo D Corp  
Samuel Stamping & Enameling Co  
Stanthony Corp  
Stiglitz Corp  
Stove Works Inc  
Tappan Co  
Tennessee Stove Works  
Thermador Elec Mfg Co  
Tracy-American Kitchens  
Utility Appliance Corp  
Wedgewood-Holly Appliance Co  
Welbilt Stove Co  
Westinghouse Electric Appliance Div

### Ranges & Ovens, Electric

Admiral Corp  
Athens Stove Works Inc  
Chambers Built-Ins Inc  
Frigidaire Div General Motors Corp  
General Electric Co Appliance & TV Div  
Gibson Refrigerator Co  
Gray & Dudley Co  
Gregg & Son Inc  
Hotpoint Co

Kelvinator Div American Motors Co  
Lindemann A J & Hoverson Co  
Monarch Range Co  
Mt Vernon Furnace & Mfg Co  
National Electric Prods Corp  
National Stove Co  
Norge Div Borg-Warner Corp  
Oakland Foundry Co  
Philco Corp  
Preway Inc  
RCA Whirlpool Appliance Corp  
Samuel Stamping & Enameling Co  
Stanthony Corp  
Stove Works Inc  
Tappan Co  
Tennessee Stove Works  
Thermador Elec Mfg Co  
Tracy-American Kitchens  
Waste King Corp  
Welbilt Stove Co  
Westinghouse Electric Appliance Div  
Westinghouse Electric Corp

### Ranges & Ovens, Gas

Athens Stove Works Inc  
Brown Stove Works Inc  
Caloric Appliance Corp  
Chambers Built-Ins Inc  
Cribben & Sexton Co  
Dixie Products Inc  
General Air Conditioning Corp  
Gray & Dudley Co  
Hardwick Stove Co  
Magic Chef  
Monarch Range Co  
Mt Vernon Furnace & Mfg Co  
National Electric Prods Corp  
National Stove Co  
Norge Div Borg-Warner Corp  
Oakland Foundry Co  
O'Keefe & Merritt Co  
Preway Inc  
RCA Whirlpool Appliance Corp  
Rheem Mfg Co  
Roper Geo D Corp  
Samuel Stamping & Enameling Co  
Stove Works Inc  
Suburban Propane Gas Corp  
Tappan Co  
Tennessee Stove Works  
Waste King Corp  
Weiskittle Harry C  
Welbilt Stove Co  
Wedgewood-Holly Appliance Co

### Receptors, Shower Stall

(See Shower Receptors)

### Redwood Lumber

(See Lumber, Redwood)

### Refrigerators, Built-In

Admiral Corp  
Amana Refrigeration Inc  
General Electric Co Appliance & TV Div  
Gray & Dudley Co  
Hotpoint Co  
Lindemann A J & Hoverson Co  
Manitowoc Equipment Works  
Philco Corp  
Preway Inc  
Quicfrez Inc  
Revco Inc  
Sub Zero Freezer Co Inc  
Thermador Elec Mfg Co  
Westinghouse Electric Appliance Div  
Westinghouse Electric Corp

### Refrigerators & Freezers, Electric

Admiral Corp

Amana Refrigeration Inc  
Chambers Built-Ins Inc  
Dwyer Prod Corp  
Frigidaire Div General Motors Corp  
Gray & Dudley Co  
Hotpoint Co  
Insta-Matic Heater Co  
Manitowoc Equipment Works  
Marquette Appliances Inc  
Norge Div Borg-Warner Corp  
RCA Whirlpool Appliance Corp  
Sub Zero Freezer Co Inc  
Tappan Co  
Westinghouse Electric Appliance Div

### Refrigerators & Freezers, Gas

Gray & Dudley Co  
Insta-Matic Heater Co  
Preway Inc  
Quicfrez Inc  
RCA Whirlpool Appliance Corp  
Revco Inc

### Registers, Heating & Ventilating

A & A Register Co  
Aluminum Co of America  
Auer Register Co  
Bennett-Ireland Inc  
Brandes Co  
Burnham Corp Berger Furnace Div  
Coleman Co Inc  
Connor Engineering Corp  
Gerwin Industries  
Hart & Cooley Mfg Co  
International Oil Burner Co  
Leigh Bldg Prods Div  
Lima Register Co  
Majestic Co Inc  
Mueller Climatrol Div Worthington Corp  
Parker S Hdwe Mfg Corp  
Titus Mfg Corp  
United States Register Co  
Viking Mfg Corp  
Waterloo Register Co Inc

### Reinforcing Bars & Mesh (See also Steel, Masonry Wall Reinforcing)

American Steel & Wire Div  
Ceco Steel Prods Corp  
Colorado Fuel & Iron Corp  
Continental Steel Corp  
Copperweld Steel Co  
Dayton Sure-Grip & Shore Co  
Donley Brothers Co  
Forbes Steel Corp  
Kaiser Aluminum & Chemical Sales Inc  
Kees F D Mfg Co  
Laclede Steel Co  
Merwin Mfg Co  
Mid-States Steel & Wire Co  
Northwestern Steel & Wire Co  
Pittsburgh Steel Co  
Sheffield Div Armco Steel Corp  
Soule Steel Co  
Truscon Steel Div Republic Steel Corp  
United States Steel Corp  
Vestal Mfg Co  
Youngstown Sheet & Tube Co

### Roof Decks

(See Decks, Roof Insulating;  
also Decks, Roof, Metal)

### Roofing Shingles (See Shingles)

### Roofing, Aggregates for

Black White Limestone Co

## Roofing, Asbestos Cement

Abesto Mfg Co  
Barrett Div Allied Chemical Corp  
Bestwall Certain-Teed Sales Corp  
Carey Phillip Mfg Co  
Ceresit Waterproofing Corp  
Clinton Metallic Paint Co  
Dasco Co Inc  
Flintkote Co  
Johns-Manville Corp  
Keasbey & Mattison Co  
Lastik Prods Co Inc  
Logan-Long Co  
Monroe Co Inc  
National Gypsum Co  
Pecora Inc  
Pioneer Div The Flintkote Co  
Ruberoid Co  
L Sonneborn Sons Inc  
Supradur Corp of N Y

## Roofing, Asphalt

American Bitumulus & Asphalt Co  
Barrett Div Allied Chemical Corp  
Bird & Son Inc  
Borden Chemical Co Div Borden Co  
Carey Phillip Mfg Co  
Celotex Corp  
Flintkote Co  
Fry Lloyd A Roofing Co  
Globe Roofing Products Co Inc  
Johns-Manville Corp  
Keasbey & Mattison Co  
Lastik Prods Co Inc  
Lehon Co  
Logan-Long Co  
Monroe Co Inc  
National Mfg Corp  
Nelson B F Mfg Co  
Owens-Corning Fiberglas Corp  
Pioneer Div The Flintkote Co  
Protective Papers Inc  
Ruberoid Co  
L Sonneborn Sons Inc  
United States Gypsum Co

## Roofing, Copper

American Brass Co  
Bridgeport Brass Co  
Ceco Steel Prods Corp  
Chase Brass & Copper Co Inc  
Hussey C G & Co  
International Nickel Co Inc  
Revere Copper & Brass Inc

## Roofing & Siding, Aluminum (See also Siding, Aluminum Clapboard)

Aluminum Co of America  
Childers Mfg Co  
Granite City Steel Co  
Jones & Brown Inc  
Kaiser Aluminum & Chemical Sales Inc  
Lastik Prods Co Inc  
Monroe Co Inc  
Nichols Wire & Aluminum Co  
Penn Supply Metal Corp  
Quaker State Metals Co  
Revere Copper & Brass Inc  
Reynolds Aluminum Supply Co  
Reynolds Metals Co  
Ryerson Joseph T & Son  
L Sonneborn Sons Inc

## Roofing, Steel

Reeves Steel & Mfg Co Div

## Roofing, Terne Metal

Ceco Steel Prods Corp

Continental Steel Corp  
Follansbee Steel Corp  
Inland Steel Products Co  
Klauer Mfg Co  
Plasteel Products Corp  
Reeves Steel & Mfg Co Div

## Roofing, Tile (See Tile, Roofing)

## Routers & Shapers, Electric

Atlas Press Co  
Black & Decker Mfg Co  
Dewalt Div AMF  
Duro Metal Prod Co  
Ekstrom Carlson & Co  
Porter-Cable Machine Co  
Remington Arms Co Inc  
Skil Corp  
Stanley Electric Tools  
Wallace J D & Co Inc  
Whitney Baxter D & Son Inc

## Rubber Flooring (See Tile, Rubber)

## Safes, Wall, Built-In

Diebold Inc  
Meilink Steel Safe Co  
Mosler Safe Co  
Remington Rand Div Sperry Rand

## Salamanders (See Heaters, Contractors, Portable)

## Sanders

Albertson & Co Inc  
American Floor Machine Co  
Atlas Floor Surfacing Machinery Corp  
Atlas Press Co  
Beach Mfg Co  
Black & Decker Mfg Co  
Boice Crane Co  
Burgess Vibrocrafter Inc  
Chicago Pneumatic Tool Co  
Clarke Floor Machine Co  
Cummins Portable Tools Div  
Dewalt Div AMF  
Dremel Mfg Co  
Duro Metal Prod Co  
Ekstrom Carlson & Co  
Enterprise Co  
Grinding & Polishing Mach Corp  
Holt Mfg Co  
Kwiksand Inc  
Mattison Machine Works  
Merit Products Inc  
Millers Falls Co  
Milwaukee Elec Tool Corp  
National-Detroit Inc  
Oliver Machinery Co  
Peninsula Tool Co Inc  
Portable Electric Tools Inc  
Porter-Cable Machine Co  
Remington Arms Co Inc  
Rockwell Mfg Delta Power Tool Div  
Skil Corp  
Speedway Mfg Div Thor Power Tool Co  
Stanley Electric Tools  
Thor Power Tool Co  
Wen Products Inc  
Yates-American Machine Co

## Sash (See Windows & Doors, Combination)

## Sash Balances (See also Hardware, Window)

Allmetal Weatherstrip Co  
Caldwell Mfg Co  
Chicago Metal Strip Co  
Dennis W J & Co  
Farley & Loetscher Mfg Co  
Goshen Sash & Door Co  
Grand Rapids Hardware Co  
Ideal Brass Works Inc  
Industrial Iron Works  
Lock-Joint Window Co  
Macklanburg-Duncan Co  
Master Metal Strip Service Inc  
Precision Weatherstrip Co  
Fullman Mfg Corp  
Turner & Seymour Mfg Co  
Unique Balance Div S H Pomeroy Co  
Weatherproof Products Corp  
Zegers Inc

## Saws, Band (See Tools, Carpenter, Hand)

## Saws, Chain, Tree Felling

Atkins E C Div Borg-Warner  
General Engines Co Inc  
Homelite Div Tectron Inc  
Lancaster Pump & Mfg Co Inc  
Porter-Cable Machine Co  
Remington Arms Co Inc  
Wright Power Saw & Tool Corp

## Saws, Circular

Albertson & Co Inc  
American Woodworking Machinery Co  
Atkins E C Div Borg-Warner  
Atlas Press Co  
Beach Mfg Co  
Belsaw Machinery Co  
Black & Decker Mfg Co  
Boice Crane Co  
Consolidated Mach & Supply Co Ltd  
Dewalt Div AMF  
Dixson Div H K Porter Co Inc  
Duro Metal Prod Co  
Enterprise Co  
Heinemann Saw Corp  
Hoe B & Co Inc  
Horton Mfg Co  
Huther Brothers Saw Mfg Co Inc  
Lippman Engineering Works Inc  
Master Woodworker Mfg Co Inc  
Mattison Machine Works  
Milwaukee Elec Tool Corp  
Oliver Machinery Co  
Payne B H & Co Inc  
Remington Arms Co Inc  
Rockwell Mfg Delta Power Tool Div  
Shopmaster Div Energy Mfg Co  
Simonds Saw & Steel Co  
Wallace J D & Co Inc  
Whitney Baxter D & Son Inc  
Yates-American Machine Co

## Saws, Concrete (See Concrete Sawing Equipment)

## Saws, Files for (See Files, Saw & Circular)

## Saws, Gasoline

C H & E Mfg Co  
Master Woodworker Mfg Co Inc

**Saws, Hack**  
(See Tools, Carpenter, Hand)

**Saws, Masonry**  
(See Concrete Sawing  
Equipment; also Cutters)

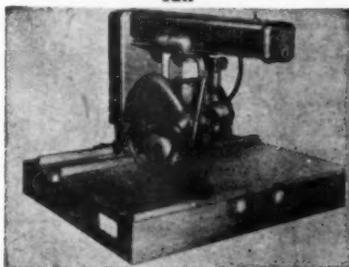
**Saws, Portable Electric**

- Albertson & Co Inc
- American Floor Machine Co
- Black & Decker Mfg Co
- C H & E Mfg Co
- Chicago Pneumatic Tool Co
- Cummins Portable Tools Div
- Dalton Mfg Co
- Dewalt Div AMF
- Forsberg Mfg Co
- Heinemann Saw Corp
- Hico Corp of America
- Kett Tool Co
- Krieg Victor J Inc
- Master Woodworker Mfg Co Inc
- Millers Falls Co
- Milwaukee Elec Tool Corp
- Pioneer Gen E Motor Corp
- Portable Electric Tools Inc
- Porter-Cable Machine Co
- Producers & Distributors Inc
- RCS Tool Corp
- Remington Arms Co Inc
- Ryerson Joseph T & Son
- Skil Corp
- Speedway Mfg Div Thor Power Tool Co
- Stanley Electric Tools
- Syntron Co
- Thomas Industries Inc
- Thor Power Tool Co
- Tri-Saw Corp
- Wen Products Inc

**Saws, Radial**

American Woodworking Machinery Co

**New 10"-12" American Portable Radial  
Saw**



- All controls in front for safety
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- Bearing ways on outside housing for easy cleaning
- Ingenious adjustment devices to assure accuracy every time . . . all the time
- 3" depth, 15" wide, 25" rip capacity
- All new design combining aluminum castings with techniques of aircraft industry
- All exclusive machine features

**American Woodworking Machinery Co.**  
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- Consolidated Mach & Supply Co Ltd
- Dewalt Div AMF
- Master Woodworker Mfg Co Inc
- McDonough Mfg Co
- Rockwell Mfg Delta Power Tool Div
- Shopmaster Div Energy Mfg Co
- Skil Corp
- Wallace J D & Co Inc

**Scaffolding & Shoring**  
(See also Posts, Adjustable)

Ajax Building Bracket Co

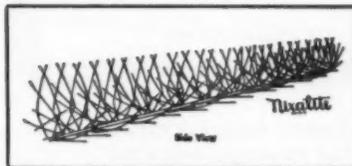
- Amidon Engineering Co
- Babcock W W Co Inc
- Ballymore Co
- Bauer Mfg Co
- Beaver Advance Corp
- Berg John Mfg Co
- Bil-Jax Inc
- Charles Machine Works
- Conver Steel & Wire Co
- Du-All Scaffold Bracket Co
- Duo-Safety Ladder Corp
- Emrick Inc
- Farwell Metal Fabricating
- Flint A W Co
- Gabriel Steel Co
- Goldblatt Tool Co
- Goshen Churn & Ladder Inc
- Holtzma Adjustable Scaffold Bracket
- Holland Ladder & Mfg Co
- Larson Ladder Co
- Louisville Ladder Co
- Marvel Equipment Co
- Michigan Ladder Co
- Morgen Mfg Co
- Moulton Ladder Mfg Co
- Newark Ladder & Bracket Co Inc
- Patent Scaffolding Co
- Pittsburgh Plate Glass Co
- Rich Howard B Inc
- Riehlit Mfg Co
- Safway Steel Products Inc
- Sloan L J Scaffold Bracket Co
- Steel Scaffolding Co
- Superior Scaffold Co
- Symons Clamp & Mfg Co
- Tilley John S Ladders Co Inc
- Universal Mfg Corp
- Waco Mfg Co
- Wagner Mfg Co
- Werner R D Co Inc

**SCR Brick**  
(See Brick, SCR)

**Screening Machines, Concrete**  
(See Concrete Finishing  
Machines)

**Screen Hardware**  
(See Hardware, Screen &  
Storm Sash)

**Screening & Barriers, Animals**  
Nixalite Co of America



NIXALITE COMPANY OF AMERICA, New Island, Ill.

**Screening, Louver Type**

Kaiser Aluminum & Chemical Sales Inc  
Tyler Arthur F Co

**Screening, Metal Wire**

- Alabama Wire Co Inc
- Aluminum Co of America
- Chamberlin Co of America
- Chase Brass & Copper Co Inc
- Colorado Fuel & Iron Corp
- Cyclone Fence Dept Amer Steel & Wire
- Gilbert & Bennett Mfg Co
- Graham John H & Co Inc

- Hanover Wire Cloth Div
- Heilig Bros Co
- Keystone Wire Cloth Co
- Seneca Wire & Mfg Co
- Standard Wire Cloth & Screen
- Tavart Co
- Vun-Russ Co Inc
- Wickwire Bros Inc
- Wilson L S Mfg Co

**Screening, Plastic**

- Chicopee Mills Inc Lumite Div
- DuPont de Nemours E I & Co Inc
- Firestone Plastics Co
- Owens-Corning Fiberglas Corp
- Plastic Woven Prods
- Redwood Garden Materials Co
- Warp Brothers

**Screens, Tension**

- Columbia Mills Inc
- Dural Products Co
- Goshen Sash & Door Co
- Keystone Wire Cloth Co
- Lockhart Mfg Corp
- Loxscreen Co Inc
- Reflectal Corp Sub Borg-Warner
- Rudiger-Lang Co
- Spokane Sash & Door Co
- Standard Wire Cloth & Screen

**Screens, Window**  
(See Windows & Doors,  
Combination)

**Screwdrivers**  
(See Tools, Carpenter, Hand)

**Screwdrivers, Portable,  
Electric**

- Black & Decker Mfg Co
- Bridgeport Hardware Mfg Corp
- Chicago Pneumatic Tool Co
- Ingersoll-Rand Co
- Millers Falls Co
- Milwaukee Elec Tool Corp
- Porter-Cable Machine Co
- Remington Arms Co Inc
- Skil Corp
- Stanley Electric Tools
- Supreme Products Corp
- Thor Power Tool Co

**Screws**

- Ackerman Johnson Co
- Aluminum Co of America
- Arro Expansion Bolt Co
- Chase Brass & Copper Co Inc
- Geneco Tools
- Hercules Fastener Co
- Independent Nail & Packing Co
- Lamson & Sessions Co
- Macklanburg-Duncan Co
- National Lock Co
- Paine Co
- Parker S Hdwe Mfg Corp
- Republic Steel Corp
- Southern Screw Co
- Southington Hardware Div
- Taylor James L Mfg Co

**Sealers, Concrete**  
(See Concrete Hardeners &  
Sealers)

**Sealers & Finishes**  
(See Finishes & Sealers)

## Septic Tanks, Clay

American Vitrified Prods Co  
Cannelton Sewer Pipe Co  
Clay City Pipe Co  
Gagnon Clay Products Co  
Kalamazoo Tank & Silo Co  
Kaul Clay Co  
Logan Clay Prods Co  
Owensboro Sewer Pipe Co  
Robinson Clay Product Co  
Stillwater Clay Products Co  
Streator Drain Tile Co  
Superior Clay Corp

## Septic Tanks, Steel

Celina Mfg Co  
Dempster Mill Mfg Co  
Kaustine Furnace & Tank Co  
Koven L O & Bro Inc  
Rheem Mfg Co  
Shady Side Foundry  
Vega Industries Inc Uni-Built Div  
Wood John Co Heater & Tank Div

## Sewage Disposal Systems (See also Pumps, Sump; Septic Tanks)

McPherson Inc  
Pomona Terra-Cotta Co  
Strataville Brick Co  
Texas Vitrified Pipe Co  
Yeomans Bros Co

## Sewer Pipe (See Pipe, Sewer)

## Shakes, Cedar, Stained (See Shingles & Shakes, Cedar, Red)

## Shapers (See also Routers & Shapers)

Atlas Press Co  
Beach Mfg Co  
Boice Crane Co  
Consolidated Mach & Supply Co Ltd  
Dewalt Div AMF  
Duro Metal Prod Co  
Ekstrom Carlson & Co  
Enterprise Co  
Oliver Machinery Co  
Porter-Cable Machine Co  
Rockwell Mfg Delta Power Tool Div  
Stanley Electric Tools  
Wallace J D & Co Inc  
Whitney Baxter D & Son Inc  
Yates-American Machine Co

## Sheathing, Board, Fiber (See Wallboard & Sheathing, Fiber)

## Sheathing, Gypsum (See also Wallboard, Gypsum)

Barrett Div Allied Chemical Corp  
Bestwall Certain-Teed Sales Corp  
Celotex Corp  
Flintkote Co  
Grand Rapids Plaster Co  
Kaiser Gypsum Co Inc  
National Gypsum Co  
Ruberoid Co  
United States Gypsum Co

## Sheathing, Insulating Board (See also Insulation Board, Fiber)

Air O Cel Co  
Armstrong Cork Co  
Barrett Div Allied Chemical Corp  
Bestwall Certain-Teed Sales Corp  
Bird & Son Inc  
Bradley Southern Div Pottatch Forests  
Carey Philip Mfg Co  
Celotex Corp  
Edco Products Inc  
Flintkote Co  
Globe Roofing Products Co Inc  
Insulite Co  
Johns-Manville Corp  
Kaiser Gypsum Co Inc  
Keasbey & Mattison Co  
National Gypsum Co  
Pioneer Div The Flintkote Co  
Simpson Logging Co  
United States Gypsum Co  
United States Plywood Corp  
Weyerhaeuser Lumber Co  
Wood Conversion Co

## Sheathing, Paper (See Paper, Building)

## Sheets, Aluminum Corrugated (See Roofing & Siding Aluminum)

## Sheets, Iron & Steel, Galvanized (See Steel, Structural)

## Shelving, Cabinet

Amerock Corp



## Shingles, Asbestos Cement (See Roofing, Asbestos Cement)

## Shingles, Asphalt (See Roofing, Asphalt)

## Shingles & Shakes, Cedar, Red

Aiken Vincent L  
Aloha Lumber Corp  
American Stained Shingle Co  
Axford Prairie Shake Co  
Bestwall Certain-Teed Sales Corp  
Bestwood Cedar Shingle Co Ltd  
Canadian Forest Prods Ltd  
Cedar Supply Co  
Cedarwood Timber Co

Century Shake Mill  
Colonial Cedar Co  
Creo-Dipt Co Inc  
Cutrite Cedar Prods  
D & S Shingle Co  
Davidson Bros Co Ltd  
Duronso Bros Shake Mill  
Forks Shingle Co  
Georgia Pacific Corp  
Gray Lumber & Shingle Co  
Grays River Shake Co  
Harris Inc  
Harris L C Cedar Ltd  
Haynes O E & Sons Inc  
Hines Edward Lumber Co  
Hoffee Cedar Prods  
Hulbert Wm Mill Co  
Humptulps Shingle Co  
Hurn Shingle Co  
Jackson Shake Co  
Johnson & Johnson Shake Co  
Lake Lytle Shingle Co  
Lewis J A Shingle Co  
Longview Shake Co  
Mackie Mill Co  
Marona Mill Co  
Mauk Seattle Lumber Co  
Mt Pleasant Shingle Co  
New London Shake Co  
Northwest Shake Distributors  
Nova Sales Co  
Ol' Settler Shake Co  
Olympic Stained Prods Co  
Parker & Sons Shake Mill  
Powell W R Shake Co  
Quality Wood Prods  
Shake R N H Co  
Red Cedar Sidewall Co Ltd  
Saginaw Shingle Co  
Seattle Cedar Lumber Mfg Co  
Shakertown Corp  
Smith M R Shingles Co  
Sound Sidewall Shake Co  
Summit Sales Co  
Super Mill Co  
Weatherbest Corp  
Western Door & Plywood Corp  
Weyerhaeuser Sales Co  
White Creek Shingle Co

## Shoring (See Scaffolding & Shoring)

## Shovels (See Cranes & Shovels, Powered)

## Shower Doors (See Doors, Shower & Bathtub)

## Shower Receptors (See also Plumbing Fixtures)

Cutler Metal Prods Co  
Flat Metal Mfg Co  
Lehman Sprayshield Co  
Milwaukee Stamping Co  
Norman W F Sheet Metal Mfg Co  
Pacific Pre-Cast Products Inc  
Wein Henry Mfg Co

## Shower Stalls (See also Plumbing Fixtures)

Crane Co  
Efron Theodore Mfg Co  
Flat Metal Mfg Co  
General Metalcraft Inc Olympia Div  
Gerber Plumbing Fixtures Corp  
Harrison Steel Cabinet Co  
Milwaukee Stamping Co  
Morgan-Wightman Co

Shower Door Co of America  
Standard Steel Cabinet Co  
Weis Henry Mfg Co



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Henry Weis Mfg. Co., Inc., Elkhart, Ind.

### Shutters, Metal

Acme Equipment Co  
Alside Inc  
American Coolair Corp  
Cincinnati Iron Fence Co Inc  
Gordon Mfg Co  
Jones Shutter Products  
Leigh Bldg Prods Div

**Leigh**

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Aluminum or steel — full choice of sizes, styles.

Write for catalog:

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Morgan-Wightman Co

### Shutters, Wood

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Cole Mfg Co  
Curtis Companies Inc  
Farley & Loetscher Mfg Co  
Goshen Sash & Door Co  
Gregg & Son Inc  
Heinleys Movable Shutters  
Hines Edward Lumber Co  
Hyde-Murphy Co  
Ideal Mfg Co Div Wm Cameron & Co  
Morgan Co  
Morgan-Wightman Co  
R-M Millwork Corp  
Rockwell of Randolph Inc  
Silcrest Co  
Tyler Arthur F Co  
Venetian Blind Prods Co

### Siding, Asbestos Cement

Barrett Div Allied Chemical Corp  
Carey Philip Mfg Co  
Flintkote Co  
Fry Lloyd A Roofing Co  
Johns-Manville Corp  
Keasbey & Mattison Co  
Lehon Co  
Logan-Long Co  
National Gypsum Co  
Pioneer Div The Flintkote Co  
Re-Nu-It Corp  
Ruberoid Co  
Supradur Corp of N Y  
United States Gypsum Co

### Siding, Aluminum Clapboard

Alsco Inc  
Alside Inc  
Brixite Mfg Co Inc  
Consolidated General Prod Inc



Globe Roofing Products Co Inc  
Hastings Aluminum Products Inc  
Keystone Alloys Co  
Lifetime Industries Inc  
Lyz-Alum Inc  
National Metal Prods  
Quaker State Metals Co  
Security Companies  
Textron Metals Co  
Wiseco Inc

### Siding, Hardboard (See also Hardboard)

Aetna Plywood & Veneer Co  
Armstrong Cork Co  
Buffalo Mfg Co  
Celotex Corp  
Forest Fiber Prods Corp  
Insulite Co  
Masonite Corp  
National Gypsum Co  
United States Plywood Corp

### Siding, Plywood (See also Plywood, Douglas Fir)

Aetna Plywood & Veneer Co  
Cascades Plywood Corp  
Georgia Pacific Corp  
Harbor Plywood Corp  
Midwest Plywood Co  
Milwaukee Plywood Co  
Paxton Frank Lumber Co  
St Paul & Tacoma Lumber Co  
United States Plywood Corp  
Youngblood Lumber Co

### Siding, Steel

Granite City Steel Co  
Reeves Steel & Mfg Co Div

### Siding, Underliner, Insulating (See Sheathing, Insulating)

### Siding, Wood (See also Lumber; Shingles)

Aloha Lumber Corp  
Arrow Tank Co Inc  
Bradley Southern Div Pottatch Forests Inc  
Georgia Pacific Corp  
Goodman Lumber Div Calumet & Hecla  
Hardwood Corp of America  
Holmes Eureka Lumber Co  
Homasote Co  
Hulbert Wm Mill Co  
McMinnville Mfg Co  
Olympic Stained Prods Co  
Ozan Lumber Co  
Pacific Lumber Co  
Paxton Frank Lumber Co  
Saginaw Shingle Co  
Seattle Cedar Lumber Mfg Co  
Shake-A-Ply Co  
Summit Sales Co  
Upson Co  
Weyerhaeuser Sales Co

### Sinks, Metal or Stainless Steel

Active Tool & Mfg Co  
Aerona Mfg Co

Carrollton Mfg Co  
Colonna Angele Inc  
Ekco Prods Co  
Ejker Div Murray Corp of America  
Elkay Mfg Co  
Farwell Metal Fabricating  
Geneva Modern Kitchens  
Harrison Steel Cabinet Co  
Jensen-Thorsen Corp  
Just Mfg Co  
Legion Stainless Sink Corp  
Lyon Inc  
Peck & Harvey Mfg Corp  
Ruslander & Sons Inc  
Tracy-American Kitchens  
Universal-Rundle Corp  
Zahner Mfg Co

### Skylights

Ailsynite Co of America  
Barrett Div Allied Chemical Corp  
Chemold Co  
Consolidated General Prod Inc

## Consolite

FIBERGLASS REINFORCED SKYLIGHTS

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Corrulux Div L-O-F Glass Fibers Co  
International Molded Plastics  
Kimble Glass Co Sub Owens-Illinois  
Owens-Illinois  
Pennsylvania Wire Glass Co  
Pittsburgh Corning Corp  
Resolite Corp  
Rohm & Haas Co  
Saint Paul Corrugating Co  
Wasco Products Inc

### Slate

Fond Du Lac Stone Co Inc  
North Bangor Slate Co  
Western States Stone Co

### Sliding Doors, Windows (See Doors, Sliding; also Windows, Horizontal, Gliding)

### Spray Guns, Paint (See Paint Spray Guns)

### Stains (See Paints, Interior & Exterior, Oil)

### Stairs, Nosing for

Crown Rubber Co  
Moore Goodloe E Inc

### Stairs, Steel, Cellar (See Doors, Cellar, Bulkhead)

### Stairs, Treads for

Crown Rubber Co  
Dravo Corp Machinery Div  
Harris Mfg Co

### Stairways, Disappearing

Bessler Disappearing Stairway

Craftwood Products  
 Ex-Way Sales Inc  
 Fabron Co  
 Farley & Loetcher Mfg Co  
 Goshen Sash & Door Co  
 Kewanee Mfg Co  
 Newark Ladder & Bracket Co Inc  
 Plastergon Wall Board Co  
 Precision Parts Corp  
 R-M Millwork Corp  
 Richbilt Mfg Co  
 Tennessee Fabricating Co  
 Wel-Bilt Products Co

### Stairways, Steel

Valley Metal Products

### Staplers, Tackers & Staples

Arrow Fastener Co Inc  
 Bostitch  
 Burgess Fastening Co  
 Copperweld Steel Co  
 Fastener Corp  
 Hillwood Mfg Co  
 Jones & Laughlin Steel Corp  
 Markwell Mfg Co  
 Mid-States Steel & Wire Co  
 Power Line Sales Inc  
 Signode Steel Strapping Co  
 Spohnalls Inc  
 Tennessee Coal & Iron Div U S Steel

### Steel, Masonry Wall

#### Reinforcing

(See also Reinforcing Bars & Mesh)

A A Wire Products Co  
 Adrian Peerless Inc  
 Carter-Waters Corp  
 Conver Steel & Wire Co  
 Dur-O-Wal Div Cedar Rapids Block Co  
 Keystone Steel & Wire Co

### Steel, Structural

(See also Studings & Channels, Steel)

Acme Steel Co  
 Barber & Ross Inc  
 Baumgartner Gate Factory  
 Besser Co  
 Bethlehem Steel Co  
 Butler Mfg Co  
 Colorado Fuel & Iron Corp  
 Columbia-Geneva Steel Div U S Steel  
 Copco Steel & Engineering Co  
 Cucker Mfg Co  
 Flash Bridge Co  
 Granco Steel Prods Co  
 Harris Inc  
 Haven-Busch Co  
 Inland Steel Co  
 International Steel Co  
 Jackson & Church Co  
 Jones & Laughlin Steel Corp  
 Junior-Pro Prods Co  
 Kaiser Steel Corp  
 Kees F D Mfg Co  
 Laclede Steel Co  
 Macomber Inc  
 Mahon R C Co  
 Mesker George L Steel Corp  
 Morgan-Wightman Co  
 National Metals Prods  
 Northwestern Steel & Wire Co  
 Penn Metal Co Inc  
 Penn Supply Metal Corp  
 Painter-Willamette Co Inc  
 Republic Steel Corp  
 Ryerson Joseph T & Son  
 Sheffield Div Armco Steel Corp  
 Standard Equipment Co

Stran-Steel Corp Div Natl Steel Corp  
 Syre Steel Co  
 Taber Bushnell & Co Inc  
 Tennessee Coal & Iron Div U S Steel  
 Trucon Steel Div Republic Steel Corp  
 Unistrut Prods Co  
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### Stone, Crab Orchard

Briar Hill Stone Co  
 Crab Orchard Stone Co Inc  
 Palos Verdes Stone Dept  
 Tennessee Stone Co Inc

### Stone, Granite

North Carolina Granite Corp  
 Palos Verdes Stone Dept  
 Tamms Industries Co  
 Vermont Marble Co

### Stone, Limestone

Bloomington Limestone Corp



Corson G & W H Inc  
 Empire Stone Co  
 Georgia Marble Co  
 Indiana Limestone Co Inc  
 Mankato Stone Co  
 Palos Verdes Stone Dept  
 San-Tex Stone Quarry Inc  
 Texas Quarries Inc  
 Tiger Brands Div Basic Inc  
 Woodville Lime Products Co  
 Woolery Stone Co Inc

### Stone, Marble

Carthage Marble Corp  
 Georgia Marble Co  
 Mankato Stone Co  
 Stone Products Co  
 Tamms Industries Co  
 Vermont Marble Co

### Stone Patching Compounds (See Paints & Coatings, Concrete)

### Stone, Slate (See Slate)

### Stone, Veneer, Synthetic

Stone Products Co  
 Taylor Stone Co

### Store Fronts

American Art Metals Co  
 Chase Brass & Copper Co Inc  
 Cupples Products Corp  
 Davidson Enamel Prod Inc  
 Fentron Industries Inc  
 Ingram-Richardson Mfg Co  
 Kawneer Co  
 Libbey-Owens-Ford Glass Co  
 Lustrik Inc  
 Metal Trims Inc  
 Pittsburgh Plate Glass Co  
 Toledo Plate & Window Glass Co  
 United States Plywood Corp  
 Wolverine Porcelain Enameling Co

### Storm Windows (See Windows & Doors, Combination)

### Structural Steel (See Steel, Structural)

### Stucco, Pre-mixed

Coddington E D Mfg Co  
 Colorcrete Industries Inc  
 Penn Crete Prods Co  
 United States Gypsum Co

### Studding & Channels, Steel

Alabama Metal Lath Co Inc  
 Bostwick Steel Lath Co  
 Inland Steel Products Co  
 National Gypsum Co  
 Penn Metal Co Inc  
 Trucon Steel Div Republic Steel Corp

### Sump Pumps (See Pumps, Sump)

### Surveying Instruments (See Instruments, Surveying)

### Swimming Pool Equipment

Award Pools  
 Cascade Pools  
 Chase Brass & Copper Co Inc  
 Chester Prods Co Div Ransohoff Inc  
 Davis Prods Inc  
 Goodrich B F Industrial Products Co  
 Hoosier Tarpaulin & Canvas Goods Co  
 Kennedy Car Liner & Bag Co  
 Lancaster Pump & Mfg Co Inc

Landon Inc  
 Modern Swimming Pool Co Inc  
 National Pool Equipment Co  
 Paddock Pools  
 Permutit Co Div Pfaudier Permutit Inc  
 Poolquip Mfg Inc  
 Romar Filter Corp  
 Wahlstrom Bros Inc Natl Div

**Swimming Pools**

Arrow Tank Co Inc  
 Award Pools  
 Cascade Pools  
 Chester Prods Co Div Ransohoff Inc  
 International Swimming Pool Corp  
 Koven L O & Bro Inc  
 National Pool Equipment Co  
 Paddock Pools  
 Wahlstrom Bros Inc Natl Div

**Tackers**

(See Staplers, Tackers & Staples)

**Tampers, Powered**

Barco Mfg Co  
 Chicago Pneumatic Tool Co  
 Cleveland Trencher Co  
 Gardner-Denver Co  
 Ingersoll-Rand Co  
 Jay Co Div Leukart Mach Co Inc  
 Le Roi Div Westinghouse Air Brake Co  
 Master Vibrator Co  
 Ottawa Steel Young Spring Wire  
 Stortz Jehn & Sons Inc  
 Thor Power Tool Co  
 Vibro Plus Prods Inc  
 Whiteman Mfg Co

**Tanks, Septic, Clay**

(See Septic Tanks, Clay)

**Tanks, Septic, Steel**

(See Septic Tanks, Steel)

**Taping Machines, Drywall**

Debs Decorators

**Tarpaulins**

Arvey Corp  
 Berg Co F O  
 Delta Co  
 Fulton Cotton Mills  
 Gering Products Inc  
 Goodrich B F Industrial Products Co  
 Goss J C Co  
 Hoosier Tarpaulin & Canvas Goods Co  
 Industrial Canvas Prods Corp  
 Koppers Co Inc Durethene Plant  
 Kordite Corp  
 May D C Co-Ma-Crepe Co  
 Newark Ladder & Bracket Co Inc  
 Richkraft Co  
 Thilmany Pulp & Paper Co  
 Tiger Brands Div Basic Inc  
 Tucker Duck & Rubber Co  
 Visking Co  
 Werner Canvas Prods Co

**Tension Screens**

(See Screens, Tension)

**Thresholds**

Adams Co

Adams Engineering Co  
 Allmetal Weatherstrip Co  
 Aluminum Co of America  
 American Brass Co  
 Ames Metal Moulding Co  
 B & T Metals Co  
 Baldwin Hardware Mfg Corp  
 Blum Julius & Co Inc  
 Ceco Steel Prods Corp  
 Chamberlin Co of America  
 Chase Brass & Copper Co Inc  
 Chicago Metal Strip Co  
 Croft Metal Products Inc  
 Dennis W J & Co  
 Donley Brothers Co  
 Duraflex Co  
 General Window Co  
 Goodrich B F Co  
 Harris Inc  
 Kaiser Aluminum & Chemical Sales Inc  
 Kawneer Co  
 Mackianburg-Duncan Co  
 Master Metal Strip Service Inc  
 Metal Crafters  
 Miraplas Tile Co  
 Monarch Metal Weatherstrip Co  
 Morgan-Wightman Co  
 National Aluminum Co  
 National Metal Prods  
 National Window Corp  
 Parker S Hdwe Mfg Corp  
 Pemko Mfg Co  
 Reynolds Metals Co  
 Royal Jalousie Co  
 Sager Weatherstrip & Caulking  
 Sentry Stop-A-Draft Co  
 Southern Sash Sales & Supply Co  
 Stanley Building Specialties Co  
 Storm King Corp  
 Superior Industries Inc  
 T-ego Industries  
 United Industries Inc  
 United Steel Prods Co  
 Visador Co  
 Weatherproof Products Corp  
 Wells Aluminum Corp  
 Werner R D Co Inc  
 Wooster Products Inc  
 Youngstown Mfg Inc

**Ties, Concrete Form**

(See Concrete Form Ties)

**Tile, Acoustical**

(See Acoustical Materials)

**Tile, Asphalt, Floor**

Armstrong Cork Co  
 Azrock Floor Products Div

**AZROCK**  
**FLOOR PRODUCTS**  
 Vina-Lux vinyl asbestos • Azrock asphalt  
 Asphlex vinylized tile  
 Complete Model Home Display Program  
 Frost Bank Bldg. • San Antonio 6, Texas

Congoleum Nairn Inc  
 Flintkote Co  
 Forman-Ford & Co  
 Goodrich B F Co  
 Hachmeister Inc  
 Johns-Mansville Corp  
 Kentile Inc  
 Mastic Tile Corp of America  
 Pioneer Div The Flintkote Co  
 Thomas Moulding Floor Co Inc  
 Wright Tile Co Div Mastic Tile Corp

**Tile, Ceramic, Floor & Wall**

American-Olean Tile Co  
 Cambridge Tile Mfg Co

Charleston Clay Prods Co  
 Columbia Brick Works  
 Columbus Brass Specialty Co  
 Design Technics  
 Empress Brick-Bricktile-Amer  
 Gladding McBean & Co  
 Jones & Brown Inc  
 Misceramic Tile  
 Morton Ceramic Tile Co  
 Mosaic Tile Co  
 Nateco Corp  
 National Tile & Mfg Co  
 Norton Co  
 Pacific Tile & Porcelain Co  
 Pabco Floor Covering Div Fibreboard  
 Paper Prods Corp  
 Pomona Tile Mfg Co  
 Quartz Mosaic Inc  
 Rockford Brick & Tile Co  
 Seick Walter E & Co  
 Stylon Corp  
 Tilemaster Corp  
 United States Ceramic Tile Co

**Tile, Cork, Floor**

Armstrong Cork Co  
 Congoleum-Nairn Inc  
 Dodge Cork Co Inc  
 Forman-Ford & Co  
 Kentile Inc  
 Robbins Floor Products Inc

**Tile, Insulating**

(See Insulating Board)

**Tile, Linoleum, Floor**

(See Linoleum Roll & Tile)

**Tile, Quarry**

Builders Brick Co  
 Carlyle Tile Co  
 Columbia Brick Works  
 Gagnon Clay Products Co  
 Gladding McBean & Co  
 Hanley Co  
 Hood Mifflin B Co  
 Interstate Brick Co  
 Ludowici-Celadon Co  
 Mosaic Tile Co  
 Murray Tile Co Inc  
 Summitville Tiles Inc  
 United States Ceramic Tile Co

**Tile, Roofing**

Gladding Bros Mfg Co  
 Gladding McBean & Co  
 Hood Mifflin B Co  
 Interstate Brick Co  
 Lastik Prods Co Inc  
 Ludowici-Celadon Co  
 Wolverine Porcelain Enameling Co  
 Zonolite Co

**Tile, Rubber**

American Biltrite Rubber Co  
 Armstrong Cork Co  
 Congoleum-Nairn Inc  
 Danbury Rubber Co Inc  
 Flintkote Co  
 Forman-Ford & Co  
 General Tire & Rubber Co Bldg Materials  
 Goodrich B F Co  
 Goodyear Tire & Rubber Co  
 Kentile Inc  
 Mastic Tile Corp of America  
 Mitchel Rubber Prods Inc  
 RCA Rubber Co  
 Robbins Floor Products Inc  
 United States Rubber Co  
 Wright Tile Co Div Mastic Tile Corp

## Tile, Structural

Acme Brick Co  
Arketex Ceramic Corp  
Brookhaven Pressed Brick Mfg Co  
Builders Brick Co  
Design Technics  
Hope Brick Works  
Humboldt Brick & Tile Co  
Jenkins Brick Co  
Mason City Brick & Tile  
Metropolitan Brick Inc  
Summit Pressed Brick & Tile Co  
Texas Brick Co  
West Virginia Brick Co

## Tile, Vinyl

American Biltrite Rubber Co  
Armstrong Cork Co  
Azrock Floor Products Div  
Bird & Son Inc  
Bonafide Mills Inc  
Congoleum-Nairn Inc  
Danbury Rubber Co Inc  
Flintkote Co  
Forman-Ford & Co  
General Tire & Rubber Co Bldg Materials  
Goodrich B F Co  
Goodyear Tire & Rubber Co  
Guildcrest Corp  
Hachmeister-Inc  
Johns-Manville Corp  
Kentile Inc  
Mastic Tile Corp of America  
National Floor Prods Co  
Pioneer Div The Flintkote Co  
RCA Rubber Co  
Robbins Floor Products Inc  
Vinyl Plastics Inc  
Weber Showcase & Fixture Co  
Wright Tile Co Div Mastic Tile Corp

## Tile, Wall, Hardboard

Barclay Mfg Co Inc  
Higgins Industries Inc  
Marsh Wall Products Inc  
Masonite Corp  
Wood Conversion Co

## Tile, Wall, Leather

Kiefer International Products Co Div

## Tile, Wall Marble (See Flooring & Wall Covering, Marble)

## Tile, Wall, Metal

Alloy Tile Corp  
Bestile Mfg Co  
Crown Tile Corp  
Goldsmith Metal Lath Co  
Hastings Aluminum Products Inc  
Wheeling Corrugating Co

## Tile, Wall, Plastic

Armstrong Cork Co  
Artcrest Plastics Co Inc  
Bonafide Mills Inc  
Cermak Tile Co Inc  
Church C F  
Congoleum-Nairn Inc  
Curtiss Wright Corp Curen Div  
Forman-Ford & Co  
General Tire & Rubber Co Bldg Materials  
Guildcrest Corp  
Hachmeister-Inc  
Johnson Plastics Corp  
Jones & Brown Inc  
Lamstro Tile Mfg Co  
Marsh Wall Products Inc

Mastic Tile Corp of America  
Mastro Plastics Corp  
Miraplas Tile Co  
Prestile Mfg Co  
Selck Walter E & Co  
Skyline Industries Sales Inc  
Sunbeam Plastics Corp  
Tilemaster Corp  
Tile-Rite Co

## Tile, Wall, Porcelain Enamel

Interstate Brick Co  
Starfire Div Bettinger Corp  
Vikon Tile Corp  
Wolverine Porcelain Enameling Co

## Tileboard, Prefinished

A & F Tileboard Co  
Aetna Plywood & Veneer Co  
Barclay Mfg Co Inc  
Bestile Mfg Co  
Marsh Wall Products Inc  
Pioneer Div The Flintkote Co  
Prestile Mfg Co  
Simpson Logging Co  
Tex-A-Panel Mfg Co  
United States Gypsum Co  
Wallace Mfg Co  
Wood Conversion Co

## Timber Connectors

Cleveland Steel Specialty Co  
Kees F D Mfg Co  
McKeown Bros Co  
Timber Engineering Co  
Timber Structures Inc

## Toilets

(See Plumbing Fixtures)

## Tools

(See Cutters, Drills, Guns,  
Hammers, Nailing Machines,  
etc.)

## Tools, Carpenter, Hand

Atkins E C Div Borg-Warner  
Atlas Press Co  
Bridgeport Hardware Mfg Corp  
Champion Dearthment Tool Co  
Cummins Portable Tools Div  
Damascus Steel Prod Corp  
Desmond-Stephan Mfg Co  
Deuse E W Co  
Dewalt Div AMF  
Diston Div H K Porter Co Inc  
Eagle Rule Mfg Corp  
Eliason Tool Co  
Empire Level Mfg Co  
Federal Hardware Prods Inc  
Freeman Doorjack Co  
Gardner-Denver Co  
General Hardware Mfg Co Inc  
Genaco Tools  
Graham John H & Co Inc  
Greenlee Tool Co  
Gypsum Ceiling Jack Co  
Hartford Clamp Co  
Hartmeister Mfg Inc  
Hood Bros  
Irwin Auger Bit Co  
Kalamazoo Tank & Silo Co  
Kedman Co  
Kenco Mfg Co  
Kimball Mfg Co  
Leetonia Tool Co  
Mayhew Steel Products Inc  
Millers Falls Co  
Milwaukee Elec Tool Corp

Milwaukee Tool & Equipment Co  
Nicholls Mfg Co  
Nicholson File Co  
Owatonna Tool Co  
Ox-Wall Tool Co  
P & C Tool Co  
Parker Mfg Co  
Phillips Drill Co  
Plumb Fayette R Inc  
Footatuck Corp  
Portable Electric Tools Inc  
Proto Tool Div Pendleton Tool Ind Inc  
Ramset Fastening System  
Rockwell Mfg Delta Power Tool Div  
Roe Justus & Sons  
Sargent & Co  
Silver Bells Ltd  
Stanley Tools  
Starrett L S Co  
Stortz John & Sons Inc  
Taylor James L Mfg Co  
True Temper Corp  
Union Tool Co  
Vaughan & Bushnell Mfg Co  
Warren Tool Corp  
Will-Burt Co  
Yates-American Machine Co

## Tools, Concrete Finishing (See also Concrete Vibrators)

Chicago Pneumatic Tool Co  
Diston Div H K Porter Co Inc  
Goldblatt Tool Co  
Nicholls Mfg Co  
Proto Tool Div Pendleton Tool Ind Inc  
Remington Arms Co Inc  
Sands Level & Tool Co  
Speedway Mfg Div Thor Power Tool Co  
Stortz John & Sons Inc  
Stow Mfg Co  
Thor Power Tool Co  
Whiteman Mfg Co

## Tools, Masons & Plasterers

Adams Co  
Bridgeport Hardware Mfg Corp  
Columbia Brick Works  
Damascus Steel Prod Corp  
Diston Div H K Porter Co Inc  
Empire Level Mfg Co  
General Hardware Mfg Co Inc  
Goldblatt Tool Co  
Graham John H & Co Inc  
Industrial Iron Works  
Mayes Bros Tool & Mfg Co  
Nicholls Mfg Co  
Peerless Level & Tool Co  
Phillips Drill Co  
Plumb Fayette R Inc  
Port Austin Level & Tool Mfg Co  
Proto Tool Div Pendleton Tool Ind Inc  
Ramset Fastening System  
Remington Arms Co Inc  
Sands Level & Tool Co  
Stanley Tools  
Stortz John & Sons Inc  
Superior Scaffold Co  
Tru-Line Co  
Vaughan & Bushnell Mfg Co

## Tractor Attachments

Allis Chalmers Mfg Construction Mach  
Arps Corp  
Case J I Co  
Caterpillar Tractor Co  
Clark Equipment Co Const Mach Div  
Danuser Machine Co  
Deere John & Co  
Elmco Corp  
Ford Motor Co Tractor & Implement Div  
Gar Wood Industries Inc  
Henry Mfg Co Inc  
Hough Frank G Co The  
Hyster Co

Lansing Co  
Massey-Ferguson Industrial Div  
Minneapolis-Moline Co  
Mixermobile Manufacturers  
Oliver Corp  
Ottawa Steel Young Spring Wire  
Pitman Mfg Co  
Roseman Tractor Equipment Co  
Schwartz Mfg Co  
Shawnee Mfg Co Inc  
Sherman Prods Inc  
Tractomotive Corp  
Universal Pulleys Co Inc  
Wagner Iron Works

### Tractors

Allis Chalmers Mfg Construction Mach  
Automatic Transportation Co  
Barrett Cravens Co  
Case J I Co  
Caterpillar Tractor Co  
Clark Equipment Co Industrial Truck  
Deere John & Co  
Dinco Corp  
Ford Motor Co Tractor & Implement Div  
Hough Frank G Co The  
International Harvester Co  
Letourneau-Westinghouse Co  
Lewis-Shepard Products Inc  
Mack Trucks Inc  
Massey-Ferguson Industrial Div  
Mead Specialties Co  
Minneapolis-Moline Co  
Oliver Corp  
Turner Mfg Co

### Transits

(See Instruments, Surveying)

### Trenchers & Ditchers

American Hoist & Derrick Co  
Arps Corp  
Barber Greene Co  
Charles Machine Works  
Cleveland Trencher Co  
Danzon Machine Co  
Deere John & Co  
Earth Equip Corp  
Ford Motor Co Tractor & Implement Div  
Koehring Co  
Northwest Engineering Co  
Ottawa Steel Young Spring Wire  
Roseman Tractor Equipment Co  
Shawnee Mfg Co Inc  
Sherman Prods Inc  
Vermeer Mfg Co

### Trim & Casings, Metal

(See Casings, Metal)

### Trim, Wood

(See Millwork & Moldings,  
Wood)

### Trowels, Power

(See Concrete Finishing  
Machines)

### Trucks, Fork Lift

Allis Chalmers Mfg Construction Mach  
Automatic Transportation Co  
Barrett Cravens Co  
Clark Equipment Co Industrial Truck  
Colson Corp  
Deere John & Co  
General Engines Co Inc  
Hyster Co  
Koehring Co  
Lansing Co

Lewis-Shepard Products Inc  
Massey-Ferguson Industrial Div  
Mixermobile Manufacturers  
Oliver Corp  
Ottawa Steel Young Spring Wire  
Prime Mover Co  
Sherman Prods Inc  
Silent Hoist & Crane Co  
Yale & Towne Mfg Co

### Trucks, Motor

Chevrolet Motor Div Gen Motors  
Diamond T Motor Truck Co  
Dodge Bros Div Truck Plant  
Ford Motor Co  
Koehring Co  
Mack Trucks Inc  
Marmon-Herrington Co Inc  
Prime Mover Co  
Reo Div White Motor Co  
Stahl Metal Prods  
Studebaker-Packard Corp  
Volkswagen of America Inc  
White Motor Co  
Willys Motors Inc

### Trusses, Roof, Steel

Bethlehem Steel Co  
Ceco Steel Prods Corp  
Cucker Mfg Co  
Haven-Busch Co  
International Steel Co  
Macomber Inc  
Mesker George L Steel Corp  
Sheffield Div Armco Steel Corp  
Truscon Steel Div Republic Steel Corp

### Trusses, Roof, Wood

American Roof Truss  
H-Brace Inc  
Independent Lumber Co  
McKeown Bros Co  
Prefabricated Prods Co Inc  
Elico Laminated Prods Inc  
Esboro Lumber Co  
Super-Structures Inc  
Timber Fabricators Inc  
Timber Structures Inc  
Unit Structures Inc

### Tubing

(See Pipe & Tubing)

### Tubs, Bath

(See Plumbing Fixtures)

### Tubs, Laundry

(See also Plumbing Fixtures)

Active Tool & Mfg Co  
American Standard Plumbing & Heating  
Cleveland Wash Tray Mfg Co  
Crane Co  
Cutler Metal Prods Co  
Kohler Co  
Mustee E L & Sons Inc  
Reed Cromex Corp  
Reeves Steel & Mfg Co Div  
Richmond Plumbing Fixtures  
Voss Washer Co

### Underlayment Flooring

(See Flooring, Underlayment)

### Vanities, Lavatory

Atkins Wood Products Corp  
Borg-Warner Corp Ingersoll Humphreys  
Boro Wood Prods Co Inc  
Caradco Inc  
Case W A & Son Mfg Co



Chicago Pottery Co  
Colonial Products Co  
Crane Co  
Eljer Div Murray Corp of America  
Farley & Loetscher Mfg Co  
Glissade Inc  
Great Northern Mfg Corp  
Gregg & Son Inc  
The I-XL Furniture Co  
Morgan-Wightman Co  
National Electric Prods Corp  
National Vanity Co  
Norris Thermador Corp  
Precisionware Inc  
Reed Cromex Corp  
Regal Laminates Inc  
Sani-Top Inc  
Schenck William & Co  
Standard Steel Cabinet Co  
Toledo Desk & Fixture Co  
Topcraft Inc  
United Metal Cabinet Corp

### Vapor Barriers

(See also Paper, Building,  
Sheathing)

Abesto Mfg Co  
Air O Cel Co  
American Sisalkraft Corp  
Arvey Corp  
Barrett Div Allied Chemical Corp  
Bird & Son Inc  
Carey Philip Mfg Co  
Chester Packaging Prods Corp  
Delta Co  
Dow Chemical Co  
Gering Products Inc



Goldblatt Tool Co  
Goodrich B F Industrial Products Co  
Hoosier Tarpaulin & Canvas Goods Co  
Infra Insulation Inc  
Johns-Manville Corp  
Kimberly-Clark Corp  
Koppers Co Durethane Plant  
Lordite Corp  
Ludlow Papers Inc  
Meadows W R Inc  
Mortell J W Co  
National Mfg Corp  
Prestite-Keystone Engineering Prods  
Protective Papers Inc  
Quaker State Metals Co  
Reynolds Metals Co  
Richkraft Co  
Ruberoid Co  
L Sonneborn Sons Inc  
Thlmany Pulp & Paper Co  
Tiger Brands Div Basic Inc  
Visking Co  
Warp Brothers  
Wasco Products Inc

### Ventilating Hoods

(See Fans, Exhaust, Bath &  
Kitchen)

**Ventilating Registers  
(See Registers, Heating &  
Ventilating)**

**Ventilators, Kitchen  
(See Fans, Exhaust, Bath &  
Kitchen)**

**Ventilators, Roof & Wall**

A & A Register Co  
Acme Equipment Co  
Adams Co  
Air Devices Inc  
Alrolite Co  
Alside Inc  
Aluminum Co of America  
American Ceclair Corp  
American Standard American Blower Div  
Atkinson Mfg Co  
Aubrey Hardware Mfg Inc  
Berns Air King Corp  
Burt Mfg Co  
Burnham Corp Berger Furnace Div  
Coco Steel Prods Corp  
Chelsea Fan & Blower Co Inc  
Chicago Blower Corp  
Clarage Fan Co  
Clay Equipment Corp  
Cleveland Steel Specialty Co  
Consolidated General Prod Inc  
Curtis Companies Inc  
Damp-Vent Co  
Dayton Electric Mfg Co  
Diehl Mfg Co  
Donley Brothers Co  
Emerson Electric Mfg Co  
Emerson-Pryme Co  
Farley & Loetscher Mfg Co  
Fasse Industries Inc  
Gabriel Steel Co  
Gregg & Son Inc  
Hamlin Prods Inc  
Harris Inc  
Home Comfort Mfg Co  
Hudson H D Mfg Co  
Ideal Vent Div Craig-Nevens  
ILG Electric Ventilating Co  
Inland Steel Products Co  
Jackson Mfg Co  
Klauser Mfg Co  
Leigh Bldg Prods Div

**Leigh**

**PATENTED ROOF VENTILATORS**



- Large free area per dollar
- Patented modern design
- Exclusive "Air Flow" styling, low silhouette
- One-piece base — exclusive enclosed back
- Lock-proof "Rel-Lok" seam collar, weather baffle
- 8-mesh "drom-head" screen, tight over opening
- Aluminum or galvanized steel

Double model and economy model — complete selection of other ventilators.

Write for catalog:

**LEIGH BUILDING PRODUCTS**

Division of Air Control Products, Inc.  
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Leslie Welding Co Inc  
Louden Machinery Co  
Louv-R-Pack Inc  
Macklanburg-Duncan Co  
Marvin Mfg Co  
Midget Louver Co  
National Gypsum Co

Olsen Mfg Co  
Parker S Hdwe Mfg Corp  
Peerless Electric Co  
Penn Supply Metal Corp  
Pennsylvania Wire Glass Co  
Perfect Line Mfg  
Rudeen N H Co Inc  
Saint Paul Corrugating Co  
Samco Wm J Iron Co  
Standard Steel Cabinet Co  
Starline Inc  
Stewart Industries Inc  
Stewart S J Electric Co  
Swartwout Co  
Trane Co  
United States Gypsum Co  
Ventrola Mfg Co  
Vestal Mfg Co  
Waseo Products Inc  
Weather-Blue Co Inc  
Webb Mfg Co Inc  
Westinghouse Electric Corp  
Wilke Metal Prods Inc  
Yeck Mfg Co

**Vibrators, Concrete  
(See Concrete Vibrators)**

**Vinyl Tile  
(See Tile, Vinyl)**

**Wall Coverings, Fabric**

Columbus Coated Fabrics Corp  
Desro-Wall Corp  
Fabrikona Inc  
Goodrich B F Industrial Products Co  
Imperial Paper & Color Corp  
Joanna Western Mills Co  
New Castle Products Inc  
Standard Coated Prods Inc  
Suncraft Inc  
Textileather Div Gen Tire & Rubber  
United States Plywood Corp

**Wall Safes  
(See Safes, Wall)**

**Wall Tile  
(See Tile, Wall)**

**Wallboard, Gypsum**

Barrett Div Allied Chemical Corp  
Bestwall Certain-Teed Sales Corp  
Celotex Corp  
Chicago Fire Brick Co  
Flintkote Co  
Grand Rapids Plaster Co  
Hartmeister Mfg Inc  
Kaiser Gypsum Co Inc  
National Gypsum Co  
Ruberoid Co  
United States Gypsum Co

**Wallboard, Asbestos Cement**

Carey Philip Mfg Co  
Flintkote Co  
Johns-Manville Corp  
Keasbey & Mattison Co  
Kochton Plywood & Veneer Co Inc  
Lehon Co  
Pioneer Div The Flintkote Co  
Ruberoid Co  
United States Plywood Corp

**Wallboard & Sheathing, Fiber  
(See also Insulating Board)**

Abitibi Corp  
Armstrong Cork Co

Barrett Div Allied Chemical Corp  
Celotex Corp  
Dant & Russell Inc  
Flintkote Co  
Forest Fiber Prods Corp  
Homanote Co  
Insullite Co  
Johns-Manville Corp  
Kaiser Gypsum Co Inc  
Lehman Co  
Minnesota & Ontario Paper Co  
Pioneer Div The Flintkote Co  
Plastergon Wall Board Co  
Simpson Logging Co  
United States Gypsum Co  
Upson Co  
Weyerhaeuser Lumber Co  
Wood Conversion Co

**Wallpaper**

Birge Co Inc  
Buffalo Wallcraft Co Inc  
Cook Paint & Varnish Co  
Devoe & Reynolds Co Inc  
Fuller W P & Co  
Imperial Paper & Color Corp  
Peantlee-Gaulbert Paint Varnish  
Pittsburgh Plate Glass Co  
Prager Co  
Sherwin-Williams Co  
Stamford Wallpaper Co Inc  
United Wallpaper Co  
Wadsworth Howland & Co  
York Wall Paper Co

**Washers & Dryers, Clothes**

ABC Div American Motors Corp  
Blackstone Corp  
Cribben & Sexton Co  
Easy Laundry Appl Div Mursay  
Frigidaire Div General Motors Corp  
General Electric Co Appliance & TV Div  
Hamilton Mfg Co  
Hotpoint Co  
Kelvinator Div American Motors Co  
Maytag Co  
Monitor Equipment Corp  
Moulton Ladder Mfg Co  
Norge Div Borg-Warner Corp  
O'Keefe & Merritt Co  
Phileo Corp  
RCA Whirlpool Appliance Corp  
Speed Queen Div McGraw-Edison Co  
United Metal Cabinet Corp  
Voas Washer Co  
Westinghouse Electric Appliance Div  
Westinghouse Electric Corp

**Water Closets  
(See Plumbing Fixtures)**

**Water Heaters, Electric**

American Radiator & Standard Sanitary  
American Standard Plumbing & Heating  
Carrier Corp  
Cleveland Heater Co  
Crane Co  
Day & Night Mfg Div  
Eagle Electric Mfg Co  
Fairbanks Morse & Co  
Frigidaire Div General Motors Corp  
General Electric Co Appliance & TV Div  
Hedges M M Mfg Co Inc  
Hotpoint Co  
Hotstream Heater Co  
Koven L O & Bro Inc  
Lawson Mfg Co  
Little H C Burner Co  
Lindemann A J & Heverson Co  
McGraw-Edison Co  
Midget Heater & Specialty Co  
Monarch Range Co  
Motor Wheel Co

National-U S Radiator Corp  
 Norge Div Borg-Warner Corp  
 Rheem Mfg Co  
 Smith A O Corp Permaglas Div  
 Thermador Elec Mfg Co  
 Utility Appliance Corp  
 Vulcan Electric Co  
 Waldorf Heater Co  
 Waterfilm Boilers  
 West Electric Heater Co  
 Westinghouse Electric Appliance Div  
 Westinghouse Electric Corp  
 White Products Corp  
 Wood John Co Heater & Tank Div

**Water Heaters, Gas**

American Radiator & Standard Sanitary  
 American Standard Plumbing & Heating  
 Bryant Mfg Co  
 Carrier Corp  
 Cleveland Heater Co  
 Coleman Co Inc  
 Crane Co  
 Day & Night Mfg Div  
 Dearborn Stove Co  
 Delco Appliance Div General Motors  
 Federal Boiler Co Inc  
 Handley-Brown Heater Co  
 Harrison Steel Cabinet Co  
 Hedges M M Mfg Co Inc  
 Holly-General Co  
 Hotstream Heater Co  
 Insta-Matic Heater Co  
 Koven L O & Bro Inc  
 Lawson Mfg Co  
 Little H C Burner Co  
 McGraw-Edison Co  
 Monarch Range Co  
 Motor Wheel Corp  
 Mustee E L & Sons Inc  
 National- U S Radiator Corp  
 Norge Div Borg-Warner Corp  
 Rheem Mfg Co  
 Ruud Mfg Co  
 Smith A O Corp Permaglas Div  
 Suburban Propane Gas Corp  
 Utility Appliance Corp  
 Waldorf Heater Co  
 Waterfilm Boilers  
 White Products Corp  
 Wood John Co Heater & Tank Div

**Water Heaters, Oil**

Coleman Co Inc  
 Crane Co  
 Delco Appliance Div General Motors  
 Federal Boiler Co Inc  
 Hotstream Heater Co  
 Koven L O & Bro Inc  
 Kresky Mfg Co  
 Kresno-Stamm Mfg Co  
 Motor Wheel Corp  
 Rheem Mfg Co  
 Toridheet Div Cleveland Steel Prods Corp  
 Waterfilm Boilers  
 Wood John Co Heater & Tank Div

**Water Softeners & Conditioners**

Crane Co  
 Culligan Inc  
 Elgin Softener Corp  
 Fairbanks Morse & Co  
 Myers F E & Bro Co  
 Pennsalt Chemicals Corp  
 Permutit Co Div Pfaudler Permutit Inc  
 Red Jacket Mfg Co  
 Rheem Mfg Co  
 Scharf J H Mfg Co  
 Tait Mfg Co  
 Uniflow Mfg Co  
 Waterman-Waterbury Co  
 Wayne Home Equipment Co Inc  
 White Products Corp

**Water Supply  
(See Pumps, Domestic Water Supply)**

**Waterproofing Compounds**

Abesto Mfg Co  
 Allied Compositions Co Inc  
 American Bitumuls & Asphalt Co  
 American Sta-Dri Co  
 Anti Hydro Waterproofing Co  
 Arco Co  
 Barrett Div Allied Chemical Corp  
 Borden Chemical Co Div Borden Co  
 Cabot Samuel Inc  
 Camp Co Inc  
 Carey Philip Mfg Co  
 Ceresit Waterproofing Corp  
 Coddington E D Mfg Co  
 Colorcrete Industries Inc  
 Dad & Lad Co  
 Dasco Co Inc  
 Devoe & Reynolds Co Inc  
 Douglas & Sturgess  
 Emco Cement Products Inc  
 Evercrete Corp  
 Flintkote Co  
 Gagnon Clay Products Co  
 The W W Henry Co  
 Henry W W Co  
 Horn A C Companies Div Sun Chemical  
 Johns-Manville Corp  
 Kay-Tite Co  
 Koppers Co Inc Durethene Plant  
 Kordite Corp  
 Lastik Prods Co Inc  
 Logan-Long Co  
 Lumine Co  
 Masonry Waterproofing Co Inc  
 Master Builders Co  
 Meadows W R Inc  
 Medusa Portland Cement Co  
 National Gypsum Co  
 National Mfg Corp  
 Nova Sales Co  
 Pecora Inc  
 Penn Crete Prods Co  
 Permagite Corp of America  
 Pheian-Faust Paint Mfg Co  
 Pioneer Div The Flintkote Co  
 Pittsburgh Plate Glass Co  
 Prestelite-Keystone Engineering Products  
 Price Fire & Water Proofing Co  
 Protection Products Mfg Co  
 Ranetite Mfg Co  
 Reardon Co  
 Re-Nu-It Corp  
 Seddon Co  
 Sika Chemical Corp  
 Siliphane Corp of America  
 Smooth-On Mfg Co  
 L Sonneborn Sons Inc  
 Standard Dry Wall Products Inc  
 Steelcote Mfg Co  
 Sullivan Co  
 Super Concrete Emulsions  
 Tamms Industries Co  
 Toch Bros  
 Truscon Labs Inc  
 Tufcrete Co Inc  
 U S Protective Coatings Inc  
 Upson Co The  
 Wasco Products Inc  
 Watco-Dennis Corp  
 Water-Boss  
 Weather Seal Inc  
 Wooster Sealkote Co  
 X-Pando Corp

**Weatherstripping**

Allmetal Weatherstrip Co  
 Asphalt Corp of America  
 Baltz Robert N & Co Inc  
 Barland Weatherstrip Material Co  
 Caldwell Mfg Co  
 Chamberlin Co of America

Chicago Metal Strip Co  
 Dennis W J & Co  
 Duraflex Co  
 Durkee-Atwood Co  
 Formetal Inc  
 Goshen Sash & Door Co  
 Grand Rapids Hardware Co  
 Johns-Manville Corp  
 Johns-Manville Dutch Brand Div  
 Kessler Products Co  
 Lock-Joint Window Co  
 Macklanburg-Duncan Co  
 Master Metal Strip Service Inc  
 Miami Metal Weatherstrip Co  
 Monarch Metal Weatherstrip Co  
 Mortell J W Co  
 National Metal Prods  
 Pemko Mfg Co  
 Precision Weatherstrip Co  
 Reese Metal Weatherstrip Co  
 Roberts Co  
 Sager Weatherstrip & Caulking  
 Schlegel Mfg Co  
 Seal-A-Door Co  
 Sentry Stop-A-Draft Co  
 Shuford Mills Inc  
 Spanjers A J Co  
 Sun Screen Products Co  
 Unique Balance Div S H Pomeroy Co  
 United Industries Inc  
 United States Rubber Co  
 Weatherproof Products Corp  
 Western Pine Mfg Co  
 Zegers Inc

**Window Hardware  
(See Hardware, Window)**

**Window Screens  
(See Windows & Doors, Combination)**

**Window Surrounds, Metal**

Builders Mfg Co  
 Ceco Steel Prods Corp  
 Compo Miracle Products Co  
 Croft Metal Products Inc  
 Fenestra Inc  
 Hopes Windows Inc  
 Kewanee Mfg Co  
 Knapp Brothers Mfg Co  
 Meaker Bros Iron Co  
 One-Der Frame Corp  
 Russell F C Co  
 Soule Steel Co  
 Steelcraft Mfg Co  
 Sun Valley Industries Inc

**Windows, Awning Type, Metal**

Adams Engineering Co  
 Air Vue Prods Corp  
 American Duralite Corp  
 Anderson V E Mfg Co Inc  
 Arnold Altex Aluminum Co  
 Ateo Aluminum Products  
 Berg F O Co  
 Bourne Products  
 Brown & Grist Inc  
 Buckeye Window & Door Co  
 Ceco Steel Prods Corp  
 Clearview Dorwinds Corp  
 Compo Miracle Products Co  
 Croft Metal Products Inc  
 Crosly Window Corp  
 Fenestra Inc  
 Fentron Industries Int  
 Gate City Sash & Door Co  
 General Bronze Corp  
 General Window Co  
 Lenahan Aluminum Window Corp  
 Leonard R B Inc  
 Ludman Corp  
 Maco Corp

Meeker Bros Iron Co  
Metal Trims Inc  
Miami Window Corp  
National Aluminum Co  
National Window Corp  
One-Der Frame Co  
Reynolds Metals Co  
Russell F C Co  
Southern Sash Sales & Supply Co  
Stanley Building Specialties Co  
Superior Window Co  
Truscon Steel Div Republic Steel Corp  
Union Machine Co  
Universal Window Co  
Valley Metal Prods Co  
Vento Steel Products Co Inc  
Vun-Russ Co Inc  
Ware Laboratories Inc  
Windowmaster Corp

### Windows, Awning Type, Wood

Andersen Corp  
Anderson V E Mfg Co Inc  
Angel Novelty Co  
Billbest Corp  
Buckeye Window & Door Co  
Caradco Inc  
Cole Mfg Co  
Curtis Companies Inc  
Dyke Bros  
Etling Window  
Fabrow Mfg Inc  
Farley & Loetscher Mfg Co  
Gate City Sash & Door Co  
Goshen Sash & Door Co  
Gregg & Son Inc  
Ludman Corp  
Malta Mfg Co  
Modernaire Corp  
Morgan Co  
Ohio Plate Glass Co  
Paxton Frank Lumber Co  
Pulium Window Corp  
R O W Sales Co  
Rockwell of Randolph Inc  
Rolscreen Co  
Silcrest Co  
Southern Sash Sales & Supply Co  
Wabash Screen Door Co  
Wadsworth Millwork Corp  
Western Pine Mfg Co  
Woodco Corp

### Windows, Basement & Utility, Aluminum

Anderson V E Mfg Co Inc  
Atlas Aluminum Corp  
Cleveland Steel Specialty Co  
Croft Metal Products Inc  
Crossly Window Corp  
Fenestra Inc  
Fentron Industries Inc  
Gabriel Steel Co  
Harris Inc  
Kewanee Mfg Co  
Ludman Corp  
Marmet Corp  
Mueller Brass Co  
National Aluminum Co  
Reynolds Metals Co  
Russell F C Co  
Schumacher F E Co  
Southern Sash Sales & Supply Co  
Stanley Building Specialties Co  
Valley Metal Prods Co  
Vento Steel Products Co Inc  
Vun-Russ Co Inc  
Windalume Corp

### Windows, Basement & Utility, Steel

Adams Co  
Ceco Steel Prods Corp  
Colorado Metal Prod Corp

Croft Metal Products Inc  
Crossly Window Corp  
Donley Brothers Co  
Federal Windows Mfg Co Inc  
Fenestra Inc  
Gabriel Steel Co  
Harris Inc  
Hopes Windows Inc

# 3-G

## WALL WIDTH BASEMENT SASH

eliminates lintels and metal pouring bucks.  
Easily installed by one man in one minute.

DEALERSHIPS OPEN—WRITE

James R. Jeffery, Distributor  
Marengo 7, Illinois

Jeffery Form Tie Co  
Kewanee Mfg Co  
Meeker Bros Iron Co  
New Monarch Machine & Stamping  
Steelcraft Mfg Co  
Truscon Steel Div Republic Steel Corp  
United States Gypsum Co  
Vento Steel Products Co Inc

### Windows, Basement & Utility, Wood

Andersen Corp  
Angel Novelty Co  
Caradco Inc  
Cole Mfg Co  
Curtis Companies Inc  
Etling Window  
Farley & Loetscher Mfg Co  
Goshen Sash & Door Co  
Gregg & Son Inc  
Ludman Corp  
Morgan Co  
Morgan-Wightman Co  
Pacific Mutual Door Co  
R-M Millwork Corp  
Rock Island Millwork Co Factory Div  
Rockwell of Randolph Inc  
Schumacher F E Co  
Silcrest Co  
Wabash Screen Door Co  
Western Pine Mfg Co  
White Pine Sash Co

### Windows, Casement, Aluminum

Air Vue Prods Corp  
Alco Inc  
Alumatic Corp of America  
American Duralite Corp  
Bourne Products  
Ceco Steel Prods Corp  
Clearview Dorwindo Corp  
Croft Metal Products Inc  
Durell Products Inc  
Eagle-Picher Co  
E-Z Set Windows Inc  
Fenestra Inc  
Fentron Industries Inc  
Flynn Michael Mfg Co  
Polmar R H Co  
Fuller W P & Co  
Maco Corp  
Marmet Corp  
Meeker Bros Iron Co  
Mueller Brass Co  
National Aluminum Co  
Republic Steel Corp  
Reynolds Metals Co  
Soule Steel Co  
Southern Sash Sales & Supply Co  
Superior Window Co  
Trimview Metal Products  
Truscon Steel Div Republic Steel Corp  
Universal Window Co  
Valley Metal Prods Co  
Ware Laboratories Inc  
Wilke Metal Prods Inc  
Williams & Williams Prods Corp

### Windows, Casement, Steel

Ceco Steel Prods Corp  
Copco Steel & Engineering Co  
Croft Metal Products Inc  
Federal Windows Mfg Co Inc  
Fenestra Inc  
Fentron Industries Inc  
Hopes Windows Inc  
Meeker Bros Iron Co  
Meeker George L Steel Corp  
Michel & Pfeffer Iron Works Inc  
One-Der Frame Corp  
Republic Steel Corp  
Soule Steel Co  
Steelcraft Mfg Co  
Truscon Steel Div Republic Steel Corp  
Vento Steel Products Co Inc  
Williams & Williams Prods Corp

### Windows, Casement, Wood

Andersen Corp  
Billbest Corp  
Brown-Graves Co  
Curtis Companies Inc  
Etling Window  
Fabrow Mfg Inc  
Goshen Sash & Door Co  
Hyde-Murphy Co  
Ideal Mfg Co Div Wm Cameron & Co  
Ohio Plate Glass Co  
Pacific Mutual Door Co  
Pulium Window Corp  
Rock Island Millwork Co Factory Div  
Rockwell of Randolph Inc  
Rolscreen Co  
Silcrest Co The  
Wabash Screen Door Co  
Wadsworth Millwork Corp  
Western Pine Mfg Co  
White Pine Sash Co  
Woodco Corp

### Windows & Doors, Combination Screen & Storm Sash, Aluminum

Adams Co  
Alco Inc  
Alumatic Corp of America  
Aluminum Industries  
Anderson V E Mfg Co Inc  
Atlas Aluminum Corp  
Bourne Products  
Brown-Graves Co  
Buckeye Window & Door Co  
Burrowes Corp  
Capitol Products Corp  
Carey-McFall Co  
Chamberlin Co of America  
Compo Miracle Products Co  
Continental Screen Co  
Devac Inc  
Eagle-Picher Co  
Etling Window  
Fenestra Inc  
General Bronze Corp  
Hastings Aluminum Products Inc  
Hess Mfg Co  
Humphrey Products Inc  
Ida Products Co  
Jasco Aluminum Products  
Kane Mfg Corp  
Keystone Alloys Co  
Metalcraft Screen Co  
Milco Specialties  
Morgan-Wightman Co



National Aluminum Co  
 North East Metal Products Corp  
 Paramount Aluminum Prod Corp  
 Paxton Frank Lumber Co  
 Philadelphia Screen Mfg Co  
 Regal Window Products Co  
 Remington Alum Window Corp  
 Rudiger-Lang Co  
 Russell F C Co  
 Sager Weatherstrip & Caulking  
 Schumacher F E Co  
 Screens & Fabric Metals Corp  
 Security Companies  
 Spanjers A J Co  
 State Metal Awnings Inc  
 Textron Metals Co  
 Truscon Steel Div Republic Steel Corp  
 Union Machine Co  
 W M Products Co  
 Wabash Screen Door Co  
 Weather Seal Inc  
 Wells Aluminum Corp  
 Wilson L S Mfg Co  
 Winsultite Mfg Co The  
 Winter Seal Corp  
 Woodco Corp

### Windows & Doors, Combination Screen & Storm Sash, Steel

Adams Co  
 Fenestra Inc  
 Kane Mfg Corp  
 Michel & Pfeffer Iron Works Inc  
 Russell F C Co  
 Truscon Steel Div Republic Steel Corp

### Windows & Doors, Combination Screen & Storm Sash, Wood

Andersen Corp  
 Angel Novelty Co  
 Brown-Graves Co  
 Buckeye Window & Door Co  
 Caradco Inc  
 Continental Screen Co  
 Curtis Companies Inc  
 Farley & Loetscher Mfg Co  
 Goshen Sash & Door Co  
 Phenix Mfg Co  
 Rock Island Millwork Co Factory Div  
 Rockwell of Randolph Inc  
 Silcrest Co  
 Spokane Sash & Door Co  
 Wabash Screen Door Co  
 Woodco Corp

### Windows, Double Hung, Aluminum

Adams & Westlake Co  
 Air Vue Prods Corp  
 Albritton Engineering Corp  
 Alsc Co  
 Alumatic Corp of America  
 American Duralite Corp  
 Arnold Altex Aluminum Co  
 Atlas Aluminum Corp  
 Ceco Steel Prods Corp  
 Clearview Dorwindo Corp  
 Compo Miracle Products Co  
 Cupples Products Corp  
 Devac Inc  
 Fenestra Inc  
 Fleet of America Inc  
 Flynn Michael Mfg Co  
 General Bronze Corp  
 Humphrey Products Inc  
 Kesko Prods Inc  
 Mueller Brass Co  
 National Aluminum Co  
 Paramount Aluminum Prod Corp  
 Per-Fit Prods Spickelmier Ind  
 Pomeroy S H Co Inc

Reynolds Metals Co  
 Southern Sash Sales & Supply Co  
 Stanley Building Specialties Co  
 Storm King Corp  
 Trim-Slide Inc  
 Truscon Steel Div Republic Steel Corp  
 W M Products Co  
 Windalume Corp  
 Wisco Inc

### Windows, Double Hung, Steel

Fenestra Inc  
 Pomeroy S H Co Inc  
 Russell F C Co  
 Truscon Steel Div Republic Steel Corp  
 W M Products Co

### Windows, Double Hung, Wood

A R B Window Sales Co  
 Andersen Corp  
 Anderson V E Mfg Co Inc  
 Bache Semon & Co  
 Brown-Graves Co  
 Buckeye Window & Door Co  
 Caradco Inc  
 Cole Mfg Co  
 Curtis Companies Inc  
 Dierks Forests Inc  
 Dyke Bros  
 Etling Window  
 Fabrow Mfg Inc  
 Farley & Loetscher Mfg Co  
 Goshen Sash & Door Co  
 Gregg & Son Inc  
 Hines Edward Lumber Co  
 Hyde-Murphy Co  
 Ideal Mfg Co Div Wm Cameron & Co  
 Jenkins Lumber & Mfg Co  
 Malta Mfg Co  
 Missoula White Pine Sash Co  
 Morgan Co  
 Morgan-Wightman Co



Pacific Mfg Co  
 Pacific Mutual Door Co  
 Paxton Frank Lumber Co  
 Pullum Window Corp  
 R-M Millwork Corp  
 R O W Sales Co  
 Rock Island Millwork Co Factory Div  
 Rockwell of Randolph Inc  
 Semling-Menke Co  
 Silcrest Co The  
 Southern Mill & Mfg Co  
 Southern Sash Sales & Supply Co  
 W M Products Co  
 Wadsworth Millwork Corp  
 Western Pine Mfg Co  
 White Pine Sash Co  
 Woodco Corp

### Windows, Hopper Vent, Metal

Arnold Altex Aluminum Co  
 Bliss Steel Prods Corp  
 Brown & Grist Inc  
 Ceco Steel Prods Corp  
 Crossly Window Corp  
 Federal Windows Mfg Co Inc  
 Fenestra Inc  
 Fentron Industries Inc  
 Folmar R H Co  
 Ludman Corp  
 Marmet Corp  
 Mesker Bros Iron Co  
 National Window Corp

Per-Fit Prods Spickelmier Ind  
 Pomeroy S H Co Inc  
 Russell F C Co  
 Southern Sash Sales & Supply Co  
 Steelcraft Mfg Co  
 Truscon Steel Div Republic Steel Corp  
 Universal Window Co  
 Valley Metal Prods Co  
 Ware Laboratories Inc  
 Wilke Metal Prods Inc  
 Winco Ventilator Co  
 Windalume Corp  
 Windowmaster Corp

### Windows, Hopper Vent, Wood

Andersen Corp  
 Angel Novelty Co  
 Fabrow Mfg Inc  
 Farley & Loetscher Mfg Co  
 Goshen Sash & Door Co  
 Gregg & Son Inc  
 Ideal Mfg Co Div Wm Cameron & Co  
 Modenaire Corp  
 Morgan Co  
 Rolscreen Co  
 Western Pine Mfg Co  
 Woodco Corp

### Windows, Horizontal Gliding, Metal

(See also Doors, Sliding  
 Glass)

Albritton Engineering Corp  
 Alsc Inc  
 Aluminum & Glass Products Co  
 American Duralite Corp  
 Atlas Aluminum Corp  
 Capitol Products Corp  
 Ceco Steel Prods Corp  
 Clearview Dorwindo Corp  
 Copco Steel & Engineering Co  
 Croft Metal Products Inc  
 Crossly Window Corp  
 Durell Products Inc  
 Eagle-Picher Co  
 Fenestra Inc  
 Fleet of America Inc  
 Flynn Michael Mfg Co  
 Folmar R H Co  
 General Bronze Corp  
 Glide Windows Inc  
 Hollyview Aluminum Sliding Glass Doors  
 Humphrey Products Inc  
 Ida Products Co  
 Kewanee Mfg Co  
 Lenahan Aluminum Window Corp  
 Malibu Mfg Corp  
 Metal Trims Inc  
 Michel & Pfeffer Iron Works Inc  
 National Window Corp  
 Nudor Mfg Corp  
 Panaview  
 Per-Fit Prods Spickelmier Ind  
 Peterson Window Corp  
 Reynolds Metals Co  
 Russell F C Co  
 Slide-View Door Co  
 Southern Sash Sales & Supply Co  
 Stanley Building Specialties Co  
 Storm King Corp  
 Trim-Slide Inc  
 Truscon Steel Div Republic Steel Corp

### Windows, Horizontal Gliding, Wood

(See also Doors, Sliding  
 Glass)

A R B Window Sales Co  
 Allmetal Weatherstrip Co  
 American Architectural Prod Corp  
 American Duralite Corp  
 Andersen Corp  
 Anderson V E Mfg Co Inc

Curtis Companies Inc  
 Dyke Bros  
 Eiling Window  
 Goshen Sash & Door Co  
 Malta Mfg Co  
 Pierson Ernest Co  
 Pullum Window Corp  
 R O W Sales Co  
 Rock Island Millwork Co Factory Div  
 Rockwell of Randolph Inc  
 Silcrest Co  
 Spokane Sash & Door Co  
 Wadsworth Millwork Corp  
 Western Pine Mfg Co  
 White Pine Sash Co  
 Woodco Corp

### Windows, Jalousie

Adams Engineering Co  
 Air Vue Prods Corp  
 All Weather Jalousies Inc  
 Alsco Inc  
 Aluminum Industries  
 Anderson V E Mfg Co Inc  
 Angel Novelty Co  
 Arnold Altex Aluminum Co  
 Ates Aluminum Products  
 Bourne Products  
 Brown Mfg Co  
 Carey-McFall Co  
 Chamberlin Co of America  
 Clearview Dorwindo Corp  
 Fleet of America Inc  
 Fulton Glass Co  
 General Window Co  
 Hess Mfg Co  
 Hettrick W E & Son Co  
 Hyde-Murphy Co  
 Jones Shutter Products  
 Kelco Div Wells Aluminum Corp  
 Lenahan Aluminum Window Corp  
 Leonard R B Inc  
 Miami Window Corp  
 Morgan-Wightman Co  
 North East Metal Products Corp  
 Paramount Aluminum Prod Corp  
 Pro-Tect-U Jalousie Corp  
 Regal Window Products Co  
 Republic Steel Corp  
 Royal Jalousie Co  
 Russell F C Co  
 Schumacher F E Co  
 Southern Sash Sales & Supply Co  
 Stanley Building Specialties Co  
 State Metal Awnings Inc  
 Textron Metals Co  
 T I M Mfg Co  
 Truscon Steel Div Republic Steel Corp  
 Union Machine Co  
 Universal Fabricators  
 Yun-Russ Co Inc  
 Ware Laboratories Inc  
 Wells Aluminum Corp

### Windows, Metal, Louver-Based

Fentron Industries Inc  
 Maco Corp  
 Yun-Russ Co Inc

### Windows, Plastic

Arvey Corp  
 Chemold Co  
 Koppers Co Inc Durethene Plant  
 Plyco Corp

### Windows, Security, Steel

Adams Co  
 Bayley William Co  
 Bliss Steel Prods Corp  
 Ceco Steel Prods Corp  
 Copeo Steel & Engineering Co  
 Croft Metal Products Inc

Federal Windows Mfg Co Inc  
 Fenestra Inc  
 Fentron Industries Inc  
 Flynn Michael Mfg Co  
 General Bronze Corp  
 Hopes Windows Inc  
 Mesker Bros Iron Co  
 Soule Steel Co  
 Steelcraft Mfg Co  
 Truscon Steel Div Republic Steel Corp  
 Vento Steel Products Co Inc

### Windows, Single Hung, Aluminum & Steel

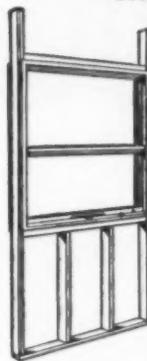
Albritton Engineering Corp  
 Aluminum & Glass Products Co  
 Arnold Altex Aluminum Co  
 Capitol Products Corp  
 Cole Mfg Co  
 Cupples Products Corp  
 Fenestra Inc  
 General Bronze Corp  
 Maco Corp  
 Mueller Brass Co  
 National Window Corp  
 Per-Fit Prods Spickelmier Ind  
 Reynolds Metals Co  
 Russell F C Co  
 Stanley Building Specialties Co  
 Storm King Corp  
 Truscon Steel Div Republic Steel Corp  
 W M Products Co  
 Wilke Metal Prods Inc

### Windows, Storm (See Windows & Doors, Combination)

### Windows, Structural Wood

Andersen Corp  
 Reuten Fred Inc

## NEW Andersen Strutwall



Cuts window installation steps 2/3rds. Provides strongest, most trouble-free fit

New component comes with structural wall members and Andersen Beauty-Line or Flexi-vent Window factory-assembled. To install, you simply cut two load-bearing side struts to fit under header. Nail in place for the strongest, most trouble-free joining of window and wall. For complete facts, write:

Anderson Corporation, Bayport, Minn.

### Windows, Wood, Louver-Based

Curtis Companies Inc  
 Wadsworth Millwork Corp

### Wire

Allegheny Ludlum Steel Co  
 Aluminum Co of America  
 American Steel & Wire Div  
 Chase Brass & Copper Co Inc  
 Circle Wire & Cable Corp  
 Colorado Fuel & Iron Corp  
 Columbia-Geneva Steel Div U S Steel  
 Continental Steel Corp

Copperweld Steel Co  
 Eagle Electric Mfg Co  
 General Cable Corp  
 International Nickel Co Inc  
 Keystone Steel & Wire Co  
 Laclede Steel Co  
 Leviton Mfg Co Inc  
 Mid-States Steel & Wire Co  
 National Electric Prods Corp  
 Northwestern Steel & Wire Co  
 Phelps Dodge Copper Prods Corp  
 Republic Steel Corp  
 Ryerson Joseph T & Son  
 Seneca Wire & Mfg Co  
 Touch Plate Mfg Corp

### Wiring Devices, Electrical

Arrow Hart & Hegeman Elec Co  
 Bryant Electrical Co  
 Eagle Electric Mfg Co  
 General Cable Corp  
 General Electric Co Cons Materials Div  
 General Electric Co Wiring Device Dept  
 Hubbell Harvey Inc  
 Jerrold Electronics Corp  
 Leviton Mfg Co Inc  
 Mosley Electronics Inc  
 Murray Mfg Corp  
 National Electric Prods Corp  
 Pass & Seymour Inc  
 Remcon Div Pyramid Instrument Corp  
 Rodale Mfg Co Inc  
 Sherman H B Mfg Co  
 Swiveller Co Inc  
 Triangle Conduit & Cable Co Inc  
 Westinghouse Electric Corp

### Wiring, Electrical, Multi Outlet

American Telephone & Telegraph Co  
 Anaconda Wire & Cable Co  
 Arrow Hart & Hegeman Elec Co  
 Bryant Electrical Co  
 General Cable Corp  
 National Electric Prods Corp  
 Pass & Seymour Inc  
 Phelps Dodge Copper Prods Corp  
 Westinghouse Electric Corp  
 Wiremold Co

### Wiring Systems, Remote Control

Arrow Hart & Hegeman Electric Co  
 Bell Electric Co  
 Bryant Electrical Co  
 Electromatic Industries  
 General Electric Co Cons Materials Div  
 General Electric Co Wiring Device Dept  
 Jerrold Electronics Corp  
 Pass & Seymour Inc  
 Robot Appliances Inc  
 Square D Co  
 Superior Electric Co  
 Turk Time Controls Inc  
 Touch Plate Mfg Corp  
 Westinghouse Electric Corp

### Wood (See Lumber)

### Wood Paneling (See Panelwork, Wood)

### Wood Sealers

Harbor Plywood Corp

### Woodworking Machines (See Planers & Routers, Saws, etc.)

# BRAND NAMES DIRECTORY

This directory will provide you with the manufacturer of every well-known brand-named product. Brand names are listed, in alphabetical order, starting here and on the next 15 pages 

4

ABC ABC Div American Motors  
 ABC Adams Engineering Co  
 AB-7 Abbeon Supply Co  
 A B ARISTOCRAT Weilbilt Stove  
 A-C-E Arro Expansion Bolt Co  
 ABESTO CHEMICAL TERMITE CONTROL Abesto Mfg Co  
 ABESTO FIBERATED Abesto Mfg  
 ABESTO-GLOW Abesto Mfg  
 ABESTO LIQUID Abesto Mfg  
 ABESTO LUMICLAD Abesto Mfg  
 ABESTO PLASTER BOND Abesto Mfg  
 ABESTO QUICK SET PLASTIC Abesto Mfg  
 ABESTO SEALER Abesto Mfg  
 ABESTO SEMI-PLASTIC Abesto Mfg  
 ACCORDOFOLD American Accordian-Fold Doors Inc  
 ACCRO-LITE Mayes Bros Tool & Mfg Co  
 ACE Eagle Rule Mfg Corp  
 ACME Acme Appliance Mfg Co  
 ACOUSTI-CELOTEX Celotex Corp  
 ACOUSTICAL-PENCO The McGuffie Co  
 ACOUSTILITE Insulite Co  
 ACOUSTOLIGHT Barreled Sunlight Paint  
 ACOUSTONE United States Gypsum  
 ACRA-BORE Gairing Tool Co  
 ACRYLITE Wasco Products Inc  
 ACTANE Hedges M M Mfg Co  
 ACT-EASY Speakman Co  
 ACTINIC Pennsylvania Wire Glass  
 ACT-O-MATIC Sloan Valve Co  
 ACUSTI-LUMINUS CEILING Luminous Ceilings Inc  
 AD-AIRE Carter-Waters Corp  
 ADAMANT United States Gypsum  
 ADAMS-RITE Safe Padlock & Hdwe  
 ADAPTABEL Edwards Co Inc  
 ADAPTAHORN Edwards Co Inc  
 ADD-A-RACK Autorye Co  
 ADJUSTA COLUMNS Adjusta Post Mfg  
 ADJUSTA POSTS Adjusta Post Mfg  
 ADJUSTA-SPRAY Speakman Co  
 ADJUSTITE Ives H B Co  
 ADJUSTO Milwaukee Faucets Inc  
 ADJUSTO (Ironing Board) Rieter Wood-work Specialty Co  
 ADMIRAL Flat Metal Mfg Co  
 ADMIRAL Great Northern Mfg Corp  
 ADMIRAL GLIDE-O-MIR General Bathroom Prods  
 ADVANCE Beaver Advance Corp

ADVENTURER Mansfield Sanitary Inc  
 AEROCOR Owens-Corning Fiberglass  
 AEROFAN Emerson-Pryne Co  
 AEROLITH Sonneborn Sons L Inc  
 AEROLUX Aeroshade Co  
 AEROLUX Consolidated General Prod Inc  
 AEROLUX Johnson S T Co  
 AEROWRAP Owens-Corning Fiberglass  
 AETNA Samson Cordage Works  
 A F C Labrie Mfg Co Inc  
 AFCO American Furnace Co  
 AGATINE Goodrich B F Co  
 AGITAIR Air Devices Inc  
 AGRASEAL Tamms Industries Co  
 AIM BRAND Acme Steel  
 AIRACOUSTIC Johns-Manville Corp  
 AIRCON McQuay Inc  
 AIR-CRETE Sullivan Co  
 AIRDITTONER Modine Mfg Co  
 AIRDOME Wasco Products Inc  
 AIRDOME ROOF LOUVER Rudeen N H  
 AIREFRIGERATION COOLING Williamson Co  
 AIRESS Consolidated General Prod Inc  
 AIR FOIL Titus Mfg Corp  
 AIRJECTOR Swartwout Co  
 AIR-JET General Products Co  
 AIRLIFT Swartwout Co  
 AIR-LITE BRAND Graybeal C R & Sons  
 AIR-LITE FIBERGLAS Plastic Woven Prods  
 AIR-LITE SARAN Plastic Woven Prods  
 AIRLOUVER Swartwout Co  
 AIRMOVER Swartwout Co  
 AIR O BLIND Brown Mfg Co  
 AIR-O-MATIC Williams Oil-O-Matic Heating  
 AIRPATH Goodrich B F Co  
 AIR PLUS Jaeger Machine Co  
 AIR-SPEED Louisville Cement Co  
 AIRSTRIP Mitchell Rubber Prods  
 AIRTRIM Vulcan Radiator Co  
 AIRTROL Allied Compositions  
 AIRTROL (Heating) Holly-General Co  
 AIR-WAVE Trade-Wind Motorfans  
 AIRWEIGHT Newark Ladder & Bracket  
 AISLE-SAVER Barrett Cravens Co  
 AJAX Chicago Spring Hinge Co  
 AJAX (Heating Cable) Cellheat Inc  
 AKBAR Kinnear Mfg Co  
 AL SEAL Reese Metal Weatherstrip  
 ALABASTINE Chicago Bronze & Color  
 ALABAX Pass & Seymour Inc

ALCAZAR Lindemann & Hoverson A J  
 ALCO-LITE Aluminum Ladder Co  
 ALCOTE Precision Weatherstrip Co  
 ALENCO Albritton Engineering Corp  
 ALFOL Reflectal Corp  
 ALIGNA LOCK Sargent & Co  
 ALIN CREST Aluminum Industries  
 ALIN TILT Aluminum Industries  
 ALINO Bowerston Shale Co  
 ALKATITE Pratt & Lambert Inc  
 ALL AMERICAN Eagle Rule Mfg Corp  
 ALLEGHENY STAINLESS Allegheny Ludium Steel  
 ALLIGATOR GRIP Wagner Mfg Co  
 ALLITE Barrett Div Allied Chemical  
 ALLITH Allith Prouty Inc  
 ALL-OVER DOOR General Door Co  
 ALL-PURPOSE Autorye Co  
 ALL TUB Gerber Plumbing Fixtures  
 ALL WALL Gerber Plumbing Fixtures  
 ALLWEATHER LOUVERS Rudeen N H  
 ALLWOOD Oregon Lumber Co  
 ALSTO Alsto Company  
 ALTICO Alloy Tile Corp  
 ALUM-A-COAT Protectub Inc  
 ALUMA-DOR-SEAL Sun Screen Products Co  
 ALUMAPORTE Orchard Bros Inc  
 ALUMAROLL Orchard Bros Inc  
 A-LUMI-CAULK Sterling Quality Prod  
 ALUMI-CAUSTIC Cupples Prods Corp  
 ALUMI-GLAZE Sterling Quality Prod  
 ALUMIKOTE Vita-Var Corp  
 ALUMILADDER Werner R D Co Inc  
 ALUMILASTIC Parr Paint & Color Co  
 ALUMIN-AIR Leigh Building Prod Div  
 ALUMINUM-CHAMP Ludlow Papers  
 ALUMINUM SNAP-ON Wisco Inc  
 ALUMISEAL Parr Paint & Color Co  
 ALUMIWALL Bestile Mfg Co  
 ALUNDUM Behr-Manning Corp  
 ALUNDUM Norton Co  
 ALUSASH King E & F & Co Inc  
 AL-WEL-DOOR Superior Inds Inc  
 ALWINTTTE General Bronze Corp  
 AMAGLASE American Asbestos Prod  
 AMALITE American Asbestos Prod  
 AMANIZE American Asbestos Prod  
 AMARLITE American Art Metals Co  
 AMASPRO American Asbestos Prod  
 AMBALLOY Byers A M Co  
 AMBASSADOR Alisco Inc  
 AMER-GLAS American Air Filter

**AMERFLEX** American Flexible Conduit  
**AMERIBOW** American Roof Truss  
**AMERICAN** Columbia-Geneva  
**AMERICAN** Tennessee Coal & Iron Div  
**AMERICAN BRAND** Builders Fireplace & Supply  
**AMERICAN CRANES** American Hoist & Derrick Co  
**AMERICAN DUA-LAPS** American Stained Shingle Co  
**AMERICAN (Hoists)** American Hoist & Derrick Co  
**AMERICAN SOLID** Curtis Companies  
**AMERICAN STEEL** American Steel & Wire  
**AMERICAN SUPER 8** American Floor Machine Co  
**AMERICAN THATCH** Ruberoid Co  
**AMERICAN TUBULAR** Universal Mfg  
**AMER-PLY-WOOD** Lehman Co  
**AMER-PLY-WOOD** Southwood Corp  
**AMERSPUN** Fabrikona Inc  
**AMERWOOD** Lehman Co  
**AMERWOOD** Southwood Corp  
**AMHERST SANDSTONE** Cleveland Quarries Co  
**AMIDON FITTINGS** Amidon Engineering  
**AMTICO** American Bitrite Rubber  
**AMURSEAL** Anti Hydro Waterproofing  
**AMVAD** Edwards Co Inc  
**AMWELD** Amweld Building Products Div  
**ANACONDA** American Brass Co  
**ANCHOR** Barrett Div Allied Chemical  
**ANCHOR** Lufkin Rule Co  
**ANCHOR** Maze W H Co  
**ANCHOR** Merwin Mfg Co  
**ANCHORFAST NAILS** Independent Nail & Packing  
**ANCHORITE** Wall Plugs Inc  
**ANCHOR-LOK** Barrett Div Allied Chem  
**AN COR-EEZ** Woodmack Prods Inc  
**ANDROC PENTA** Androc Chemical Co  
**ANDROCK** Washburn Co  
**ANDRUS** Hoe R & Co Inc  
**ANNUNCIETTE** Edwards Co Inc  
**ANTI-HYDRO** Anti Hydro Waterproofing  
**ANTI-CHEK** Rockeete Paint Co  
**ANYSTREAM** Speakman Co  
**APCO** Aluminum & Glass Prods Co  
**APECO** American Photocopy Equipment  
**APRILAIRE** Research Prods Corp  
**APSCO** Associated Pibg Supply Co Inc  
**AQUADAM** Johns-Manville Corp  
**AQUA-FLO** Morrison Co  
**AQUA-MIZER** Bessam Engineering  
**AQUA-SEAL** Sullivan Co  
**AQUA-VAC** Modern Swimming Pool Co  
**AQULUX** Johnson S T Co  
**ARCADIA** Cele Mfg Co  
**ARCHITECT** Bird & Sen Inc  
**ARDEE** Werner R D Co Inc  
**ARID-KOTE** Masonry Waterproofing Co  
**ARID-MIX** Masonry Waterproofing  
**ARIDSIL** Anti Hydro Waterproofing  
**ARIDTONE** Anti Hydro Waterproofing  
**ARISLIDE** Michel & Pfeiffer Iron Works  
**ARISTO** Flat Metal Mfg Co  
**ARISTOCRAT** Ohio Window Glass Co  
**ARISTOCRAT** (Heating Cable) Cellheat  
**ARISTOPAVE** Thomas Moulding Floor Co  
**ARKETEX** Gagnon Clay Prods  
**ARLINGTON** Gerber Plumbing Fixtures  
**ARM-GLAZE** Dicks Armstrong Pentitus  
**ARMOLAC** Sonneborn Sens L Inc  
**ARMORPLY** United States Plywood Corp  
**ARMORPLY** CHALKBOARD United States Plywood Corp  
**ARMORTOP** Anti Hydro Waterproofing  
**ARMPLEX** Chicago Spring Hinge  
**ARRESTONE** Armstrong Cork Co  
**ARRO-CORE** Arro Expansion Bolt  
**ARROFLUTE** Arro Expansion Bolt  
**ARRO-LOCK** United States Gypsum  
**ARROW** Eagle Rule Mfg Corp  
**ARROW** (Staplers) Arrow Fastener Co  
**ARROW-HART** Arrow Hart & Hegeman Elee Co  
**ARROWHEAD** Weather Seal Inc  
**ARTRIM** Superior Industries  
**ASBESTALUX** United States Plywood  
**ASBESTILE** Johns-Manville  
**ASH-PIT** Handley-Brown Heater Co  
**ASHTONE** Bloomington Limestone  
**ASPCO** Anniston Soil Pipe  
**ASPHALCRETE** Thomas Moulding Floor  
**ATHA** Stanley Tools  
**ATLAS** Irvington Form & Tank Co  
**ATLAS** Tuck-Aire Furnace Co  
**ATLAS** (Tools) Atlas Press  
**ATLAS COMPO FORMS** Irvington Form & Tank  
**ATLAS SPEED FORMS** Irvington Form & Tank  
**ATLITE** Atlas Electric Prods  
**ATMOS-THERM** Rempe Co  
**ATTIC-AIR** Acme Equipment Co  
**ATTI-C-COOLER** Damp-Vent Co  
**AUBREY** Aubrey Hardware Mfg  
**AUDICOTE** United States Gypsum  
**AUDITONE** United States Gypsum  
**AUTO-BLOC** Round David & Son  
**AUTOFLO** Speakman Co  
**AUTO LOCK** Superior Scaffold  
**AUTO-LOK** Ludman Corp  
**AUTOMATIC HOUSEKEEPER** Trion Inc  
**AUTOMATIC WATCHMAN** Bessam Engineering  
**AUTOSHIFT** Hamilton Mfg Co  
**AUTO-STAT** American Photocopy Eqpt  
**AW ALGRIP** Alan Wood Steel Co  
**AW SUPER-DIAMOND** Alan Wood Steel  
**AXIAL FLOW** Trade-Wind Motorfans Inc  
**AXIAL FLO-FANS** Emerson-Pryne Co  
**AZPHLEX** Azrock Floor Prods Div  
**AZROCK** Azrock Floor Prods Div  
**AZTEC** Sullivan Co  
**BG 2** Bay State Abrasive Prods Co  
**B SPINNER** American Floor Machine Co  
**BLP** Mobile Paint Mfg Co  
**BACKER BOARD** Air O Cel Co  
**BAK-R-FOAM** Alseo Inc  
**BALANCED-FLOW** Goulds Pumps Inc  
**BALL-RITE** Cummins Portable Tools Div  
**BALSAM-WOOL** Wood Conversion  
**BAMA BRAND** Alabama Oak Flooring  
**BAMBOOFOLD** American Accordion-Fold Doors Inc  
**BANDLITE** Mississippi Glass Co  
**BANTAM** Grant Pulley & Hardware  
**BAR BROOK BREEZE BUILDER** Bar-Brook Mfg Co  
**BARCO DRILL** Barco Mfg Co  
**BARCOL** Barber Colman Co  
**BAR-CORODE** Mobile Paint Mfg Co  
**BARRELED SUNLIGHT** Barreled Sunlight Paint Co  
**BARRETT-HOLT** Barrett Div Allied Chemical  
**BASE-RAY** Burnham Boiler Corp  
**BATHE-RITE** Milwaukee Stamping  
**BATH MAID** Kitchen Maid Corp  
**BAYFLEX** Bay State Abrasive Prods  
**BAYLAUN-BRAND** Elliott Bay Mill  
**BAY STATE** Devoe & Reynolds  
**BEAM-HUGGER** Round David & Son  
**BEAR-I-CADES** Utility Service Co  
**BEAUTI-BATH** National Aluminum  
**BEAUTI-DOR** Beauti-Dor Inc  
**BEAUTI-WOOD** Lehman Co  
**BEAUTY BARROW** Northwt Metal Prods  
**BEAUTYCRAFT** CURV-LINE Beautycraft Kitchens Div  
**BEAUTYLINE** Andersen Corp  
**BEAUTYLINE** Holcomb & Hoke Mfg  
**BEAUTY QUEEN** Toledo Desk & Fixture  
**BEAUTY-TONE** Vita-Var Corp  
**BEAUTY WALL** SHAKES Western Door & Plywood  
**BEAUTYWARE** Briggs Mfg Co  
**BEAVER** Mansfield Sanitary Inc  
**BEAVER** Samson Cordage Works  
**BEE GEE WINDOWS** Brown-Graves Co  
**BEHR-CAT** Behr-Manning  
**BEHR-LAC** Linseed Oil Prods Co  
**BEL-AIR** Leigh Building Prods Div  
**BELAIRE** Emerson-Pryne Co  
**BELCOBALSA** Balsa Ecuador Lumber  
**BELDEN** Gagnon Clay Prods  
**BELMAR** Hough Mfg Co  
**BELTEVATOR** Busehman E W Co  
**BEN FRANKLIN** United States Gypsum  
**BENDICK SELF-LEVELING** LADD Rich-bill Mfg Co  
**BENDIX-FRIEZ** Abbeon Supply  
**BENEPIRE** Bennett-Ireland Inc  
**BENEFORM** Bennett-Ireland Inc  
**BENNETT BILT** Bennett Mfg Co  
**BENWOOD FINISHES** Moore Benj & Co  
**BERKELEY** Allied Metals Inc  
**BERMICO** Brown Co  
**BERMIDRAIN** Brown Co  
**BERMISEPTIC** Brown Co  
**BERRY DOORS** Steel Door Corp  
**BERYLSTONE** Congoleum-Nairn Inc  
**BESSER PRE CASTER** Besser Co  
**BESTILE** Bestile Mfg Co  
**BEST-VENT** Per-Fit Prods  
**BETSY ROSS** Carey-McFall Co  
**BEVELITE** Mississippi Glass Co  
**BEVIL-DEVIL** Kimball Mfg Co  
**B H & ROTARY** Johnson S T Co  
**BIG G BOOSTER** General Water Heater  
**BIG MUSCLE** Ottawa Steel Young Spring Wire  
**"BIG 7"** JALOUSIE Superior Window Co  
**BIG TIMBER-BRAND** Elliott Bay Mill  
**BILDRITE** Insulite Co  
**BILT-WELL** BELVEDERE Caradco  
**BILT-WELL** COM-O-DOR Caradco  
**BILT-WELL** SUPER 7 Caradco  
**BILT-WELL** VINYL Caradco  
**BIN-VEYOR** Bosworth Mfg Co  
**BI-RAIL** Acme Appliance Mfg  
**BIRGE MEDALLION** Birge Co Inc  
**B-K POWDER** Pennsalt Chemicals Corp  
**BLACK DIAMOND** Barrett Div

**BLACK DIAMOND** (Files) Nicholson File Co  
**BLACK FLAG** Boyle-Midway Inc  
**BLACKSHIELD** Barrett Div Allied Chem  
**BLAZECRETE** Johns-Manville Corp  
**BLEND-AIR** Coleman Co  
**BLENDETEX** United States Gypsum  
**BLOC-SEAL** Surface Protection Co  
**BLO-FAN** Emerson-Pryne Co  
**BLOK-JOINT** Carter-Waters Corp  
**BLOK-MESH** Carter-Waters Corp  
**BLOK-SEAL** Carter-Waters Corp  
**BLUBAG** Woodville Lime Products  
**BLU-FLEX** Millers Falls Co  
**BLU-MOL** Millers Falls Co  
**BLUE CIRCLE** Dunkirk Radiator  
**BLUE DIAMOND** Pioneer Gen E Meter Corp  
**BLUE FLASH** Bay State Abrasive Prods  
**BLUE LINE** Gates & Sons Inc  
**BLUE RIBBON** Miner-Hillard Milling  
**BLUE TIP** Simonds Saw & Steel  
**BLUSH BUFFS** Bowerston Shale  
**BOISE CASCADE TRU GRADE** Cascade Lbr Co  
**BOLTA-FLOOR** General Tire & Rubber  
**BOLTA-WALL** General Tire & Rubber  
**BOL-TITE** Pyramid Mouldings Inc  
**BONANZA** Wooster Brush Co  
**BONDACTOR** Air Placement Equipment  
**BONDCRETE** United States Gypsum  
**BONDEX** Reardon Co  
**BONDKOTE** National Mfg Corp  
**BONDRITE** Standard Paste & Glue  
**BONDSTONE** Emco Cement Prods  
**BONDWOOD** Harris Mfg Co  
**BONTEX** Columbus Coated Fabrics  
**BO PEEP** Carey-McFall Co  
**BORD-JAK** Maco Corp  
**BOROLON** Simmonds Abrasive Co  
**BOSCO** Bowerston Shale Co  
**BOW WINDOW** Reuten Fred Inc  
**BOWBAY** Woodco Corp  
**EPS** Patterson-Sargent Co  
**BRANDES** Brandes Co  
**BREEZEMASTER** Acme Equipment Co  
**BREEZEMASTER** Angel Novelty Co  
**BRESSLER** Kol-Master Corp  
**BRICK-LOK** Standard Lime & Cement  
**BRIDGEPORT** Bridgeport Hardware Mfg  
**BRIDJOINT** United States Gypsum  
**BRIKARDER** Fuller Mfg Co  
**BRISULITE** Bestwall Certain-teed Sales  
**BRIILLIANT FIRE** Ohio Foundry & Mfg  
**BRIXMENT** Louisville Cement Co  
**BROADLITE** Mississippi Glass Co  
**BROAD SHADOW** Barrett Div  
**BROADVIEW** Miami Cabinet Div  
**BRONCO** Woodward Lumber Co  
**BRONZEGLOW BIRCH** Scherich H J  
**BROWN-LABEL** Johnson S C & Son  
**BROWNSKIN VAPORSEAL** Ludlow Papers  
**BROWN SON CONTROL** Brown Mfg  
**BROWN-X** Pass & Seymour Inc  
**BRULE** Brule Incinerator Corp  
**BRUSHWOOD** Congoleum-Nairn Inc  
**BUCKEYE** Gar Wood Industries  
**BUCKEYE** Youngstown Sheet & Tube  
**BUDGET INTERLOCK** Jones & Brown Inc  
**BUDGET-6WING** Safway Steel Prods  
**BUDGHT** Manning Maxwell & Moore  
**BUILT-IN** Standard Building Prods  
**BUILT-UP ROOF** Ther-Mo Roof  
**BULKBINDER** Gerrard A J & Co  
**BULK-PAK** Embassy Steel Prods  
**BULLCLAM** Drott Mfg Corp  
**BULLDOG** Polis Mfg Co  
**BULL DOG FLOOR CLIPS** New Monarch Machine & Stamping  
**BULLS EYE SHELLAC** Zinsser William  
**BURKAY** Smith A O Corp  
**BURKS** Decatur Pump Co  
**BURLINGTON** Miller Co  
**BUSHMAN** Gensco Tools  
**BUSTER CRABBE** Cascade Pools  
**BUTLER JR** Flinchbaugh-Murray  
**BYERS 4-D** Byers A M Co  
**BYZANTILE** Mosaic Tile Co  
**C H & E** C H and E Mfg Co  
**CID** Goulds Pumps Inc  
**CMC** Construction Machinery  
**CABLE HEAT** Electromode Div  
**CADET** Flat Metal Mfg Co  
**CAFCO** BLAZE-SHIELD U S Mineral Wool  
**CALIFORNIA CONTOUR** Redwood Garden Materials Co  
**CALK-INS** Rawplug Co Inc  
**CALK-O-TUBE** Seal Rite Caulking  
**CALK-SCREW** Maze W H Co  
**CAMASTIC C** Cambridge Tile Mfg  
**CAMPSCO** National Metal Prods  
**CAMPCRETE** Camp Co Inc  
**CAMP-O-LITE** Camp Co  
**CANBC** Pioneer Div  
**CANNON BALL** Starline Inc  
**CAPITOLAIRE** National-U S Radiator  
**CAPITOL** Standard Lime & Cement  
**CAPTAIN** General Water Heater  
**CARBI-TWIST** U S Expansion Bolt  
**CARBOLINEUM** Carbolineum Wood Preserving  
**CARBORA** Cerfland Grinding Wheels  
**CARBOSOTA** Barrett Div Allied Chem  
**CAREYSPUN** Carey Philip Mfg  
**CARLSON** Diston Div H K Porter  
**CARLTON** Carrollton Mfg Co  
**CAROLINA** Arnold Aitex Aluminum  
**CARRARA** Pittsburgh Plate Glass  
**CASCADE** Flat Metal Mfg  
**CASCADE** (Heater) Cleveland Heater  
**CASCAMITE** Borden Chemical  
**CASCO** Borden Chemical  
**CASE** Case J I Co  
**CASEKING** Vulcan Metal Prods Inc  
**CASE-TITE** National Metal Prods  
**CASINO** Ekstrom Carlson & Co  
**CAT** Caterpillar Tractor Co  
**CATALINA** Textron Metals Co  
**CATCH-ALL** Cyclone Fence Dept  
**CATERPILLAR** Caterpillar Tractor  
**CATHEDRAL** American Roof Truss  
**CAULK-FLO** PUMP Force-Flo Inc  
**CAULKING** LOADER PUMP Force-Flo  
**CAULK-O-SEAL** Calbar Paint & Varnish  
**CAUXEAL** X-Pando Corp  
**CECOFRAME** Ceco Steel Prods  
**CECONOMY** Ceco Steel Prods  
**CECOROLL** Ceco Steel Prods  
**CEDARCO** Giles & Kendall  
**CEIL-DEK** Pioneer Div Flintkote  
**CEIL-N-VENTOR** Universal Blower  
**CEILTILE** Arrow Fastener Co  
**CELL-U-BLANKET** Wood Conversion  
**CELLUDECK** Inland Steel Prods  
**CELLUFLO** Inland Steel Prods  
**CELL-U-FORM** Wood Conversion  
**CELLULITE** Gilman Bros  
**CELLU-TONE** Pratt & Lambert  
**CELOBRIC** Celotex Corp  
**CELOCRETE** Celotex Corp  
**CEL-O-GLASS** Arvey Corp  
**CELO-ROK** Celotex Corp  
**CELO-SEAL** Celotex Corp  
**CELOTONE** Celotex Corp  
**CEMCOAT** Sonneborn Sons L Inc  
**CEMENTICO** United States Gypsum  
**CEMENTONE** Serviced Prods Corp  
**CEMESTO** Celotex Corp  
**CENTRAVAC** Trane Co  
**CENTRI-THRIFT** Myers F E & Bro Co  
**CENTURY** Hellig Bros Co  
**CENTURY** Keasby & Mattison  
**CENTURY** Paine Lumber Co  
**CERAMIDUCT** Straitsville Brick  
**CERAMIFILTER** Straitsville Brick  
**CERAMO** Carey Philip Mfg  
**CERATILE** Cambridge Tile Mfg  
**CERCO** Cerest Waterproofing  
**CEROSEAL** Cerest Waterproofing  
**CERTA GLAS** Bestwall Certain-Teed Sales  
**CHERTAIN-TYED** Bestwall Certain-Teed Sales  
**CERTI-SPLIT** Haynes O E & Sons  
**CHALLENGER** Boice Crane Co  
**CHALLENGER** Coffing Hoist Div  
**CHALLENGER** Kol-Master Corp  
**CHAMCO** Chamberlin Co  
**CHAMP #4 32W2** Ludlow Papers  
**CHAMPION** Dunn-W E Co  
**CHAMPION** Heinemann Saw  
**CHAMPION** Miami Window Corp  
**CHAMPION** Safe Padlock & Hdwe Co  
**CHAMPION** Tilley John S Ladders  
**CHAMPION** United States Gypsum  
**CHAMPION** Vento Steel Prods  
**CHAMPION** DEARMENT Champion Dearment Tool  
**CHAN-L-CROS** Junior-Pro Prods  
**CHANNEL-LAP** Celotex Corp  
**CHANNELLOCK** Champion Dearment Tool  
**CHAR-B-Q** Majestic Co  
**CHARGRILL** Majestic Co  
**CHATTANOOGA** Chattanooga Royal Co  
**CHECK-CORD & JUNIOR** Lanebro Mfg  
**CHECKERBOARD** United States Plywd  
**CHECKPEST** Wood Treating Chemicals  
**CHELDUOGEAR** Chelsea Elevator Co  
**CHELGEAR** Chelsea Elevator Co  
**CHEMNOGEAR** Chelsea Elevator Co  
**CHEM-O-GLAS** Chemold Co  
**CHEROKEE** Mosaic Tile Co  
**CHESLINE** MVB Chester Packaging Prods  
**CHES-MULCH** Chester Packaging Prods  
**CHEKWEAR** Moore Benjamin & Co  
**CHICOPEE** Chicopee Mills Inc  
**CHILLATORS** McQuay Inc  
**CHINALINE** Barreled Sunlight Paint  
**CHORE BOY** Incinerator Prods  
**CHROMALITE B & T** Metals  
**CHROMALOX** Wiegand Edwin L

**CHROMEHRITE** United Industries  
**CHROME CLAD** Lufkin Rule  
**CHROMEDGE B & T** Metals  
**CHROME FERROX** King & Co E & F  
**CHROME-X** Pass & Seymour  
**CHROMOULD** National Aluminum Co  
**CHROMTRIM** Werner R D Co  
**CINCH** Biddle Co  
**CINCH** National Lead Co  
**CINDERELLA** Angel Novelty Co  
**CIRCLE SUPER** Circle Wire & Cable  
**CIRCULATOR** Majestic Co  
**CIRCU-RAY** Temco Inc  
**CIRESIN** Circle Wire & Cable  
**CIRFLEX** Circle Wire & Cable  
**CIRTEX** Circle Wire & Cable  
**CIRTUF** Circle Wire & Cable  
**CLARITONE** Baldwin Hill Co  
**CLEAR-AIRE** Sin-Jin Prods  
**CLEAR-COAT** American Sta-Dri Co  
**CLEARCUSHION** Colorado Fuel & Iron  
**CLEAR CUSHION** Congoleum-Nairn  
**CLEAR-DRAIN** Sin-Jin Prods  
**CLEARLITE** Fourco Glass Co  
**CLEARTOX** Abesto Mfg Co  
**CLERESPAN** Truscon Steel Div  
**CLIMATE CHANGER** Trane Co  
**CLIMATE MASTER** Hess Co  
**CLIP-ON** Autoyre Co  
**CLIPPER** Temperature Appliance Mfg Co  
**CLIPPER** Trade-Wind Motorfans  
**CLIPPER IMPERIAL** Temperature Appliance Mfg Co  
**CLIPPER LOW-BOY** Temperature Appliance Mfg Co  
**CLIPFAST** Ruberoid Co  
**CLOROPOL** Modern Swimming Pool  
**CLOSUR-DOR** Closures Sales Corp  
**COAL SUPER** Williamson Co  
**COATATUB** Protectub Inc  
**COAT CRETE** Penn Crete Prod  
**COBURN** Colorado Fuel & Iron  
**COFAR** Granco Steel Prods  
**COIL-WAL** Dubuque Prods Inc  
**COLD-BAR** Calbar Paint & Varnish  
**COLD GENERATOR** Trane Co  
**COLDSHELF** Barkow Aug G Mfg  
**COLLOPAKES** Cabot Samuel  
**COLONEL LOGAN** Logan Co  
**COLORBESTOS** Johns-Manville  
**COLORCRON** Master Builders Co  
**COLORGLAZE** Colorcrete Inds Inc  
**COLORMIX** Master Builders Co  
**COLORSOL** Martin-Senour Co  
**COLORSPAN** Mondial United  
**COLOSTOP** Ceresit Waterproofing  
**COLORUNDUM** Horn A C  
**COLOR WALL** Kawneer Co  
**COLOR WALL** Ruberoid Co  
**COLUMBIA** Eagle Rule Mfg  
**COLUMBIA** National Metal Prods  
**COLUMBIA-MATIC** Columbia Mills  
**COMASCO** Consolidated Mach & Supply  
**COMBOMATIC** Easy Laundry Appl Div  
**COMBWOOD** United States Plywood  
**COMET** Consolidated Mach & Supply  
**COMET** General Water Heater  
**COMET (Window)** Alumatic Corp  
**COMFORTLINE** National-U S Radiator  
**COMFORTMASTER** Thatcher Furnace  
**COMFORTROL** Weather Seal  
**COMFY** Bemis Mfg

**COMINCO** U S Mineral Wool  
**COMMANDER** National-U S Radiator Corp  
**COMMANDER** Speakman Co  
**COMMODORE** Flat Metal Mfg  
**COMMUN-A-HOOD** C & H Supply Co  
**COMPACTIC** Engis Equipment  
**COMPANION** Music & Sound  
**COMPO-STACK** Hamilton Mfg  
**COMPOUND M** Camp Co  
**COMPRESS** Met-Cro Specialties  
**CONCRETE FORM** PRESWOOD Masonite  
**CONDOR** Raybestos-Manhattan  
**CONDUIT WEATHERMASTER SYSTEM** Carrier Corp.  
**CONGOWALL** Congoleum-Nairn  
**CONNER TYPE** Gairing Tool Co  
**CONOLITE** Continental Can Co  
**CONQ-R-DUST** Johnson S C & Son  
**CON SAW MATIC** Clipper Mfg  
**CONSERVO** Cabot Samuel Inc  
**CONSO** Consolidated General Prod  
**CONSOLITE** Consolidated General Prod  
**CONSOLITE** Resolite Corp  
**CONSOVELD** & Consoweld Corp  
**CONSO WINDMASTER** Consolidated General Prod  
**CONTEMPO** Decro-Wall Corp  
**CONTINENTAL** Wabash Screen Door Co  
**CONTINUOUS STRIP** Robbins Flooring  
**CONTINUUFLO** Egly Register  
**CONTINULOK** Egly Register  
**CONTOUR-MATIC** Besser Co  
**CONTREAT** Wood Treating Chemicals  
**CONTROLENS** Holophane Co  
**CONTROLLER** Silver Bells Ltd  
**CON TROWL** Champion Mfg Co  
**CONVASEAL** Meadows W R Inc  
**CON-VAY-IT** CONCRETE SPECIAL American Conveyor  
**CON-VAY-IT MODEL** RB American Conveyor  
**CONVENIENT LIVING** Home Planners  
**CONVERSION WEATHERMAKER** Carrier Corp  
**CONVERT-TO-COOL** Typhoon Air Conditioning  
**CONVEYALL** Bosworth Mfg Co  
**COOKMASTER** Stove Works Inc  
**COOLAIR** American Coolair  
**COOLERATOR** McGraw Edison  
**COOLMATE** Well-McLain Co  
**COOL-SPOT** Signal Electric Div  
**CO-FLY** North Pacific Plywood  
**COP-O-TOP** Chase Brass & Copper  
**COPPER ARMORED SISALKRAFT** American Sisalkraft Corp  
**COPPER-CHAMP** Ludlow Papers  
**COPPERWELD** Copperweld Steel Co  
**COPR-FIBRE** Forty-Eight Insulations  
**COP-R-LOY** Wheeling Steel Corp  
**COP-R-NAP** Osmose Wood Preserving  
**COP-R-TOX** Mobile Paint Mfg  
**CORAL** Lehman Sprayshield  
**CORALUX** Builders Fireplace & Supply  
**CORALUX** Schundler F E  
**CORDOVA LIMESTONE** Texas Quarries  
**CORINTHIAN KOROSEAL** Goodrich B F  
**CORKBOARD** Armstrong Cork  
**CORE BRICK** Dodge Cork Co  
**CORKOUSTIC** Armstrong Cork

**CORKTITE** Meadows W R  
**CORLEX** Armstrong Cork  
**CORLON** Armstrong Cork  
**CORNER-EX** Inland Steel Prods  
**CORNER GUARD** Casings Inc  
**CORNICE VENTILATOR** Damp-Vent Co  
**COROMAT** Owens-Corning Fiberglas  
**CORONET** Walters Mfg Co  
**CORONIZED** Owens-Corning Fiberglas  
**COROTOP** Owens-Corning Fiberglas  
**COROX** Westinghouse Electric  
**CORRUFORM** Granco Steel Prods  
**CORRULUX** Devices Inc  
**CORRULUX** Corrulux Div L-O-F  
**CORTEX** Cortland Grinding Wheels  
**CORTLAND BRAND** Wickwire Bros  
**CORTLAND EMERY** AGGREGATE Ma-guire Walter Co Inc  
**COSALCO** Colonial Moulding & Frame Inc  
**COST CUTTER** New London Engineering  
**COTSWOLD** Hopes Windows  
**COUNTERFLO** Drave Corp  
**COUNTERFLOW** Internatl Oil Burner  
**COVENTRY** Mobile Paint Mfg  
**COVERALL** Macklanburg-Duncan  
**COVERALL** Warp Brothers  
**COVERAGE** Carey Philip Mfg  
**COVER-DRI** Barrett Div Allied Chemical  
**CRAFTWALL** PANELING Roddis Plywood  
**CRE-O-TOX** Cre-O-Tox Chemical  
**CRESCENT** Enterprise Co  
**CRESCENT** Mustee E L & Sons  
**CRESCENT (Tile)** Guildcrest  
**CRESCRETE** Ceresit Waterproofing  
**CRESTLINE** Silcrest Co  
**CRESTLINE (Tile)** Guildcrest  
**CRESTONE** Reardon Co  
**CRESTONE** Armstrong Cork  
**CRESTWOOD** Mengel Co  
**CRETEHARD** American Asbestos Prod  
**CRETITE** Calbar Paint & Varnish  
**CREZON** Crown Zellerbach  
**CRIS CROS STEEL BRIDGING** Rudeen N H Co  
**CRITTALL** One-Der Frame  
**CROCUS** Samson Cordage Works  
**CROSSLITE** Mississippi Glass Co  
**CROSSLY SURESEAL** JALOUSIE Crosly Window Corp  
**CROWN** Sloan Valve Co  
**CROWN BRAND** Geneco Tools  
**CROWN CONTOUR** Lustrro Tile Mfg Co  
**CROWN (Flooring)** Crown Rubber Co  
**CROWN INTERLOCK** Jones & Brown  
**CROWN (Light Fixture)** Miller Co  
**CROWN-MASTER** New Castle Prods  
**CRYSTAL** Barrett Div  
**CRYSTALETTES** Stylon Corp  
**CRYSTALITE** Black White Limestone  
**CRYSTAL SILICONE** Wurdack Chem Co  
**CRYSTAL TIPS** McQuay Inc  
**CRYSTOLON** Behr-Manning Corp  
**CRYSTOLON** Norton Co  
**CUB** Master Lock Co  
**CUCKOO** Wooster Brush  
**CU-PO-VENT** Home Comfort Mfg  
**CUPRINOL** Chemical Products Div  
**CURON** Curtiss Wright Corp  
**CURTIS** Southern Mill & Mfg Co  
**CURVFORM** Schenck William & Co

CUSHION SEAL Kessler Prods Co  
 CUSHIONED POWER White Rodgers Co  
 CUSHIONEX Allied Compositions  
 CUSHIONTONE Armstrong Cork  
 CUSTOM 80 Logan-Long Co  
 CYCLO Fasco Industries  
 CYCLONE Cyclone Fence Dept  
 CYL-O-LATCH Chesler J & Sons  
 D COR Nudor Mfg Corp  
 DAD & LAD Dad & Lad Co  
 DAISY Wagner Mfg Co  
 DAMIT Quigley Co Inc  
 DANDIE MIXERS Koehring  
 DAP KWIK-SEAL Dicks Armstrong  
 Pontius  
 DAP ROPE-CAULK Dicks Armstrong  
 Pontius  
 DARACONE Dewey & Almy Chem Div  
 DARAWELD Dewey & Almy Chem Div  
 DAREX AEA Dewey & Almy Chem Div  
 DASCO Dasco Co  
 DASCO TARGETHEAD Damascus Steel  
 Prod  
 DASH PATCH Allied Compositions  
 DASTITE Dasco Co  
 DAVID ROUND Round David & Son  
 DAVIS Massey-Ferguson Industrial Div  
 DAVIS & WELLS Consolidated Mach &  
 Supply Co  
 DAXRUF Dasco Co  
 DAXTEX Dasco Co  
 DECI-MAGIC Marchant Calculators  
 DECO-PANEL North Pacific Plywood  
 DECORATOR Tilley John S Ladders Co  
 DECORATOR KNOBS Engineered Prods  
 DECORFOLD Curtitton Corp  
 DECRO BORD Johns-Manville  
 DECRO-WALL Decro-Wall Corp  
 DEEPFREEZE Amana Refrigeration  
 DEFENDER Gregg & Son Inc  
 DEFENDER (Lockset) Corbin P & F Div  
 DEFT WOOD FINISH Desmond Bros  
 Paint Co  
 DEKADOOR United States Plywood  
 DEKALEATHER United States Plywood  
 DEKALUX United States Plywood  
 DEKAPLY United States Plywood  
 DEKATLE United States Plywood  
 DELCO CONDITIONAIR Delco Appli-  
 ance Div  
 DELCO-HEAT Delco Appliance Div  
 DELCO-MATIC Crawford Door  
 DELFAIR Fair D L Lumber  
 DELTAFILM Delta Co  
 DELTASTRAL Delta Co  
 DELTOX Armstrong Cork  
 DE LUXE General Water Heater Corp  
 DENCO Deniston Co  
 DENLSON KWIK-LAY Mason City Brick  
 & Tile  
 DENSULITE Insulite Co  
 DESIGN X Congoleum-Nairn Inc  
 DESMOND SIMPLEX Desmond-Stephan  
 Mfg  
 DESPORD Pass & Seymour  
 DETROIT JEWEL Welbilt Stove  
 DEVILBISS Devilbiss Co  
 DEVIL-LEVEL Pickett Products  
 DEVOE DeVoe & Reynolds Co Inc  
 DEXLOCK Dexter Lock  
 DEXTRA-LITES Swiveller Co  
 DIALMATIC Dexter Lock

DIAL-SET Kol-Master Corp  
 DIAMIDE Diamond Expansion Bolt  
 DIAMOND Speakman Co  
 DIAMOND HARD Wells J W Lbr Co  
 DIAMOND-LITE DOOR Morgan Co  
 DIAMOND T Diamond T Motor Truck  
 DIE-CUT STRAP Gerrard A J & Co  
 DIFFUSAIRE Hart & Cooley Mfg  
 DOORMAN Barber Colman Co  
 DOOROSCOPE Dooroscope Co  
 DOR-O-MATIC Dor-O-Matic Div  
 DISPOSALL G E Appliance & TV Div  
 DISPOSALL Goder Joseph Inc  
 DISPOSALL Hirsh S A Mfg  
 DITCH WITCH Charles Machine Works  
 DIVCO Division Lead Co  
 DIXON WEATHER-LOK Western Pine  
 Mfg Co  
 DO ALL American Mat Corp  
 DOLPHIN Fiat Metal Mfg  
 DOMCO Ostin David Moulding  
 DOORMASTER Crawford Door Co  
 DORFLO Ez-Way Sales  
 DOR-TITE Durkee-Atwood Co  
 DOUBLE-TILT Midwest Wholesale Hdw  
 Co  
 DOUBLE-WHITE Cabot Samuel  
 DOUBLE X Schalk Chemical  
 DOUBLE XX Simmonds Abrasive  
 DOUBLEX Blue Ridge Glass  
 DOUGLAS CRESTLYN Douglas Crestlyn  
 Int'l  
 DOUGLASS HEARTHFORM Douglass  
 Mfg  
 DOWN FLOW McQuay Inc  
 DO-X Schalk Chemical Co  
 DRAFSTOP Roberts Co  
 DRAFT-O-STAT Hotstream Heater Co  
 DRAIN-LINE Skyline Industries  
 DRAMEX Reardon Co  
 DRAVO Dravo Corp Machinery Div  
 DRAWER-KIT Fir-Pine Prods Co  
 DREAMLINE Angel Novelty  
 DRESDEN Mansfield Sanitary  
 DRESSATORY Reflectotherm Inc  
 DRIFTWOOD Strait & Richards Inc  
 DRI-CELL Cellheat Inc  
 DRI-N-TITE Horn A C Companies  
 DRI-SPEEDWALL Natco Corp  
 DRI TEX Wayne Chemical Prods Co  
 DRI-VAC Robbins Flooring  
 DRIVE-RITE ALUMINUM NAILS In-  
 dependent Nail & Packing Co  
 DROPTOP Sturdi-Bilt Steel Prods  
 DRY-AIRE Roper Geo D Corp  
 DRYLOK United Gilsonite Lab  
 DRYOMATIC Abbeon Supply  
 DRYSEAL Revere Copper & Brass  
 DU-AL-CLIP Timber Engineering  
 DUAL-LAP Edco Prods Inc  
 DUAL-PRIME Construction Machinery  
 DUAL-TONE Edco Products Inc  
 DUALVECTOR Kritzer Radiant Coils  
 DUBLECOTE Barrett Div Allied Chem  
 DUBL-BILT Upson Co  
 DUB-L-TITE Mobile Paint Mfg  
 DUETTE Miami Cabinet Div  
 DU-KANE Lawrence W W & Co  
 DULAMEL Moore Benjamin & Co  
 DUMPCRETE Maxon Construction Co  
 DUMPTOR Koehring Co  
 DUNBEAM Dunn-W E Co

DUNBRIK Dunn-W E Co  
 DUNTILE Dunn-W E Co  
 DUOCREX Horn A C Companies  
 DUO-FAST Fastener Corp  
 DUO-GLIDE Atkins Wood Prods  
 DUO-GUARD PUSHMATICS Bulldog  
 Electric Prods  
 DUO-JOBMASTER Ramset Fastening  
 System  
 DUO-SAFETY Duo-Safety Ladder  
 DUOTONE C & H Supply Co Inc  
 DUPLEX Congoleum-Nairn  
 DUPLEX Johns-Manville  
 DUPLEX United States Gypsum  
 DUPLEX (Hangers) Duplex Hanger  
 DUR-ABRITE B & T Metals  
 DURABILT Auer Register  
 DURACO Azrock Floor Products Div  
 DURACONE Donnelly-Kelley Glass  
 DURACUT Bay State Abrasive Prods  
 DURAFAX Horn A C Companies  
 DURAFLO Acme Appliance Mfg Co  
 DURAFLO Horn A C Companies  
 DURAGLIDE Durell Prods Inc  
 DURA-LAP Edco Prods Inc  
 DURALIFE DOOR Jasco Aluminum  
 Prods  
 DURALITE American Duralite  
 DURA-LOK Barrett Div Allied Chemical  
 DURALON Allied Compositions  
 DURALOX Allied Compositions  
 DURAMESH L-O-F Glass Fibers Co  
 DURAMIC Hanley Co  
 DURA-PLUG Penn Crete Prods  
 DURAPLY United States Plywood  
 DURA-PROOF Penn Crete Prods  
 DURATUB Mustee E L & Sons  
 DURAVAL Koppers Co Inc  
 DURAVAL United States Gypsum  
 DURA-WELD Penn Crete Prods  
 DUROPIPE Sonoco Prods Co  
 DURRELL Durell Prods  
 DURETHENE Koppers Co Inc  
 DUREX Richbilt Mfg Co  
 DU RITE Scharf J H Mfg Co  
 DURMO SEAL Seidltz Paint & Varnish  
 DURMO THE FINISH ETERNAL Seidltz  
 Paint & Varnish Co  
 DURO Flat Metal Mfg  
 DUROGLAS General Water Heater  
 DUROLITE Insulite Co  
 DURO PIPE Sonoco Prods  
 DURON United States Gypsum  
 DUR-X Franklin Plastics Inc  
 DUSKLITE Pittsburgh Plate Glass  
 DUSTRONIC Radex Corp  
 DUST-STOP Owens-Corning Fiberglass  
 DUTCH BOY National Lead  
 DUTCH BRAND Johns-Manville Corp  
 DUVAL Lenahan Aluminum Window  
 Corp  
 DUXBAC Logan-Long Co  
 DUX SULATION Wilson Grant  
 DYNA-AIRE C & H Air Conditioning  
 DYNAMIC True Temper Corp  
 DYNION Scharf J H Mfg  
 DYNO-MITE Millers Falls Co  
 EAGALINE Eagle Electric Mfg  
 EAGALOCK Eagle Electric Mfg  
 EAGLE-PICHER Eagle-Picher  
 EARTHCO DOZER Earth Equip Corp  
 EASY National-Detroit Inc

EASY-CALL Music & Sound Inc  
 EASY LIFT Capitol Prods  
 EAVESEAL Tennison Bros  
 EBBTONE Schundler F E & Co  
 ECCO Ekstrom Carlson & Co  
 ECONOCOVE Johnson Plastics  
 E-CON-O-MILL Gairing Tool  
 ECONOMY Harris Mfg Co  
 ECONOMY (Forms) Economy Forms  
 ECONOSOFT Red Jacket Mfg  
 ECONOVENT Rockwell of Randolph  
 ECON-O-WALL Ware Laboratories  
 ECON-O-WARE Ware Laboratories  
 EDGE GUARD Casings Inc  
 EE-ZE-DO Allied Metals Inc  
 EFCO FORMS Economy Forms  
 EFFECTO Pratt & Lambert Inc  
 EKONOMY Peterson Prods Co  
 ELASTICA Standard-Toch Chemicals  
 ELASTIGUM Barrett Div Allied Chem  
 ELASTITE Carey Philip Mfg Co.  
 ELECTREND Electrend Prods  
 ELECTRI-CARS Victor Adding Machine  
 ELECTRIC TRIMLINE Vulcan Radiator  
 ELECTRICIAN Tilley John S Ladders Co  
 ELECTROLON Simmonds Abrasive Co  
 ELECTRONIC SERVICEMAN McKee Door  
 ELECTROSTRIP Bulldog Electric Prods  
 ELECTRUNITE Truscon Steel Div  
 ELEVETTE Inclinator Co  
 ELGIN Elgin Softener  
 ELITE COMPACT Egr Register Co  
 ELMERS GLUE Borden Chemical Co  
 ELNO Cleveland Heater Co  
 EL REY Celotex Corp  
 EMCO (Water Proofing) Emco Cement Products Inc  
 EMEREL Johnson S C & Son  
 EMERI-BOND Maguire Walter Co  
 EMERI-BRICK Maguire Walter Co  
 EMERI-CRETE KURE Maguire Walter  
 EMERI-CRETE FLOORING Maguire Walter Co  
 EMERI-QUIKPATCH Maguire Walter Co  
 EMERSON-PRYNE Emerson Electric  
 EMPIRE-STONE Protective Prods  
 ENAMELINE Ruud Mfg Co  
 ENDUREX Consolidated General Prod  
 ENSIGN Flat Metal Mfg Co  
 ENTERITE General Cable Corp  
 ENTRY-SENTRY Fanon Electric  
 EQUATEMP Safetee Glass Co  
 ESCALIFT Shepard Elevator Co  
 ES-NAIL Elastic Stop Nut Corp  
 ESSO Gilbert & Barker Mfg  
 ETERNIUM Barrett Div Allied Chemical  
 ETLING Etling Window  
 EUREKA Bache Semon & Co  
 EUREKALITE TROWELS Nicholls Mfg  
 EVALAST Bache Semon & Co  
 EVANEER Evans Prods Co  
 EVANITE Evans Prods Co  
 EVANS Evans Rule Co  
 EVEN-TEMP Northwest Metal Prods  
 EVERDUR American Brass  
 EVERETT TRENCHER Earth Equip Corp  
 EVER-FAST Barrett Div Allied Chem  
 EVERFAST Ambroid Co  
 EVERGLAZE Mosaic Tile Co.  
 EVERJET Barrett Div Allied Chemical  
 EVERLAST Acme Brick Co

EVERLASTIC Acme Brick Co  
 EVERLASTIC Barrett Div Allied Chem  
 EVERLOX Barrett Div Allied Chemical  
 EVERSET Acme Brick Co  
 EVERSTIK-HERO Hayes Adhesives Co  
 EVER-TIGHT Wagner Mfg Co  
 EVERWEAR LOUVERS Rudeen N H Co  
 EV-RI-WAY R-M Millwork Corp  
 EXECUTONE Executone Inc  
 EXPAND-R-STRAP Gerrard A J & Co  
 EXPANSLIP Bennett-Ireland Inc  
 EXPEDITE Pratt & Lambert Inc  
 EXPLODED TIP Wooster Brush  
 EXTENDOOR Extendoor Inc  
 EXTERCOTE National Chemical & Mfg  
 EX-WOOD Lehman Company  
 E Z DU Imperial Paper & Color  
 EZEBILT Universal Mfg Corp  
 E-ZEE LOC Woodco Corp  
 E-ZEELOC Rockwell of Randolph  
 E-Z-FLOAT R-M Millwork Corp  
 E-Z GLAZE Calbar Paint & Varnish  
 E-Z-KLEEN R-M Millwork Corp  
 E-Z-ON Baltz Robert N & Co  
 E-Z PATCH Sullivan Co  
 E-Z ROLL Engineered Prods Co  
 E-Z SHELVING HARDWARE Standard Steel Works Inc  
 E-Z-TEX Plastering Development Center  
 EZY-BEAD Steel Corner Tape  
 EZY-LIFT Hudson H D Mfg Co  
 F L Farley & Loetscher  
 FPF Reese Metal Weatherstrip  
 F & L DE LUXE Farley & Loetscher  
 F & W Flint & Walling  
 FABRICO Woodco Corp  
 FABRICOTE Wasco Products Inc  
 FABRIKONA Fabrikona Inc  
 FACTROTITE Mississippi Glass  
 FAIRFIELD Autoyre Co  
 FALLS CITY True Temper Corp  
 FAMOUS Goshen Churn & Ladder  
 FAN-AIR Premier Furnace Co  
 FANAIRE Auer Register Co  
 FANON-PONE Fanon Electric Co  
 FARLBOARD Farley & Loetscher  
 FARLITE Farley & Loetscher  
 FARLO-ROL Farley & Loetscher  
 FARLO-SEAL Farley & Loetscher  
 FASCO Pasco Industries  
 FASHION White Rodgers Co  
 FASHIONETTE Sani-Top Inc  
 FASHION FAB Tedrick Bros Mfg Co  
 FASHIONFOLD Hough Mfg Co  
 FASHIONWOOD Curtis Companies  
 FASTINGE Edward Leeds & Co  
 FASTRIP United Gilsontite Lab  
 FEATHERWEIGHT Keasbey & Mattison  
 FEATHERWEIGHT (Ladders) Larson Ladder Co  
 FEROLUN American Abrasive Metals  
 FERROBORD Truscon Steel Div  
 FERROLITH Sonneborn L Sons Inc  
 FERRUBRON Carbolineum Wood Pre-serving  
 FESCO BOARD Schundler F E & Co  
 FIBERCAST Youngstown Sheet & Tube  
 FIBERESIN Fiberesin Plastics Co  
 FIBERGLAS Owens-Corning Fiberglass  
 FIBERLITE Insulte Co  
 FIBRA-TUB Cleveland Wash Tray Mfg  
 FIBRE FLEECE Insulation Industries

FIBRE FLEECE Janerville Cotton  
 FIBREKOTE National Mfg  
 FIBRETEX Johns-Manville  
 FIBRETONE Johns-Manville  
 50-50 PUSH OVER Allith Prouty  
 52 CALCODA Calbar Paint & Varnish  
 FIGUREMASTER Marchant Calculators  
 FIGUREMATIC Marchant Calculators  
 FILM-OFF Seidlitz Paint & Varnish  
 FILON Filon Plastics Corp  
 FILTER-FLO G E Co Appliance & TV Div  
 FILTER-PAK Sunroc Corp  
 FILZIT ZT Lux Co  
 FINGER-STRAP Gerrard A J & Co  
 FINNELL Finnell System  
 FIRE-CHEX Carey Philip Mfg  
 FIRECRETE Johns-Manville  
 FIRE-FOE Price Fire & Water Proofing  
 FIREFOIL Carey Philip Mfg  
 FIREHOOD Condon-King Co  
 FIREITE Johns-Manville  
 FIRE-LOCK Kaul Clay Co  
 FIRE-SNUFF Resolite Corp  
 FIRESTONE VELON Plastic Woven Prods  
 FI ROK Celotex Corp  
 FIRTEX Kaiser Gypsum Co  
 FIRZITE United States Plywood  
 FITS-ALL Macklanburg-Duncan  
 FIVE STAR PLANS Better Homes & Gardens  
 FIXIT National Mfg  
 FIXT-AIRE Hart & Cooley Mfg  
 FLAGCRETE General Concrete Prods  
 FLAMEX Suburban Propane Gas  
 FLASH STEEL BRIDGING Fitzgerald M J  
 FLASH TOOL Silver Bells Ltd  
 FLEETLITE Fleet of America  
 FLEETWOOD Crawford Door Co  
 FLETCHER Fletcher-Terry Co  
 FLEXACHROME Pioneer Div Flintkote  
 FLEX-A-LITE Arnold Altitex Aluminum  
 FLEXALUM Hunter Douglas Alum  
 FLEX A SWITCH Metzgar Conveyor  
 FLEXAZONE Drayson-Hanson Div  
 FLEXBOARD Johns-Manville  
 FLEXCELL Celotex Corp  
 FLEX-CORNER Steel Corner Tape Corp  
 FLEXI-BILT FRAME KIT Fir-Pine Prods  
 FLEXIBRUSH Kwiksand Inc  
 FLEXICO The O'Brien Corp  
 FLEXI DUCT TAPE Wilson Grant Inc  
 FLEXIFONE Dukane Corp  
 FLEXIGUM Barrett Div Allied Chemical  
 FLEX-O-GLASS Warp Brothers  
 FLEX-O-PANE Warp Brothers  
 FLEXO-SEAL Reese Metal Weatherstrip  
 FLEXROLLER Hypro Engineering Inc  
 FLEXROTOR Hypro Engineering Inc  
 FLEXSCREEN Bennett-Ireland  
 FLEXSTONE Johns-Manville  
 FLEXWOOD United States Plywood  
 FLIGHT-VEYOR American Conveyor Co  
 FLINTLITE Flint A W Co  
 FLIP-SEAL Rodale Mfg Co  
 FLITE-CHEK Ramset Fastening System  
 FLOATING Stanley Works  
 FLO-MASTER Acme Equipment Co  
 FLOOR-KING American Floor Machine  
 FLOORLEVEL General Automatic Prods  
 FLOORLINE National U S Radiator

FLOORMASTER Atlas Floor Surfacing Machinery Corp  
 FLOORSTONE Tamms Industries  
 FLOR-BLOX Tibbals Flooring  
 FLOOR-PATCH American Asbestos Prod  
 FLOREX Andersen Corp  
 FLOW-COLD Acme Industries  
 FLOW-ON Barreled Sunlight Paint  
 FLOW PAC Acme Industries  
 FLOW RACK Rapids-Standard Co  
 FLOW-TEMP Acme Industries  
 FLUID-TITE Keasbey & Mattison  
 FLUSHCALL Edwards Co Inc  
 FLUTEX Blue Ridge Glass Corp  
 FOAMASTER Atlas Floor Surfacing Machinery  
 FOAMCOTE Crown Rubber Co  
 FOAMFLEX Mortell J W Co  
 FOAMGLAS Pittsburgh Corning Corp  
 FOAMSIL Pittsburgh Corning Corp  
 FOIL-GLASS Resolite Corp  
 FOL-BAK Holcomb & Hoke Mfg  
 FOLD-ASIDE Acme Appliance Mfg Co  
 FOLD-ASIDE Ludlow Papers  
 FOLD-A-WAY Patent Scaffolding Co  
 FOLD-A-WEIGH Standard Bldg Prods  
 FOLD-BACK Macklanburg-Duncan  
 FOLDET Gates Mfg Co  
 FOLDOOR Holcomb & Hoke Mfg Co  
 FOOHOLD Behr-Manning Corp  
 FOR-AIR Forrers Div Spray-O-Bond  
 FORCE-FLO Trane Co  
 FORECAST Congoleum-Nairn Inc  
 FORELINE Yoder Mfg Co  
 FORESTONE Simpson Logging Co  
 FORGE CRAFT Penn-Akron Corp  
 FORGEWELD Colson Corp  
 FORMBINDER Gerrard A J & Co  
 FORMCO Form Co  
 FORM FLOW Standard Register Co  
 FORMFREE Mosaic Tile Co  
 FORMTY Form Co  
 FORSTON MILL Summit Sales Co  
 FORTEX Cauchotex Industries  
 FORWAY U S Expansion Bolt  
 FOUR A Alabama Metal Lath Co  
 4-BY-4 Safway Steel Prods Inc  
 FOUR-IN-ONE SKID SHOVEL Drott Mfg Corp  
 4-SQUARE Weyerhaeuser Sales Co  
 4-WAY SAFETY PLATE Inland Steel  
 FRAIM Safe Padlock & Hdwe Co  
 FRATE-GATE Gar Wood Ind  
 FRE-FLO Sequoia Mfg Co  
 FRICTEX Sonneborn L Sons Inc  
 FRICTION-MATIC Bolce Crane Co  
 FRIGIDAIRE Frigidaire Div  
 FRONT END Barrett Div Allied Chemical  
 FROST BRAND Frost Forest Prods  
 FUEL-DOOR Handley-Brown Heater  
 FULLER BRIKARIER Fuller Mfg Co  
 FULLER TILE CARRIERS Fuller Mfg Co  
 FULL-VU Leigh Building Products Div  
 Air Control Products Inc  
 FURLATH Inland Steel Prods  
 FUSE-O-LINK Clark Door Co  
 FUSHIONWELD Higbie Mfg Co  
 FUTURA Penna-Akron Corp  
 FUTURA Beauti-Dor Inc  
 FYNAL-KOLOR Weatherbest Corp  
 FYNAL-KOTE Creo-Dipt Co  
 FYNAL-KOTE Weatherbest Corp

FYRGARD Richmond Fireproof Door Co  
 GE General Electric Apparatus Sales  
 GAIR-LOCK Gairing Tool  
 GALVANUM Vita-Var Corp  
 GALVA TWIST Jeffery Form Tie Co  
 GALVINOLEUM Rust-Oleum Corp  
 GARDENCRETE Colorcrete Industries  
 GARD-N-BEAUTY Gilbert & Bennett  
 GARLAND Weiblit Stove Co  
 GASAVER Williamson Co  
 GAS DE LUXE Williamson Co  
 GASLITES Arkla-Serrel Corp  
 GAS SPECIAL Williamson Co  
 GAS SUPER Williamson Co  
 GEE-VEE-LINE Haslett Chute & Conveyor  
 GEMCO Moore Goodloe E Inc  
 GEM-SET Bay State Abrasive Prods  
 GENASCO Fry Lloyd A Roofing  
 GENCASEAL General Cable Corp  
 GENCATROL General Cable Corp  
 GENERAL Great Northern Mfg Corp  
 GENERAL (Tools) General Hardware  
 GENERAL SWING-O-MIR General Bathroom Products  
 GENERAL GIBRALTAR General Plywood  
 GENIE Alliance Mfg Co  
 GENRALAC Sapolin Paints Inc  
 GENUINE STILLSON Walworth Co  
 GENUWOOD Parkwood Laminates Inc  
 GERITY Adrian Div Hoover  
 GER-PAK Gering Products  
 GETTY Getty H S & Co  
 GIBRALTAR Fiat Metal Mfg  
 GILBARCO Gilbert & Barker Mfg  
 GLAMADOR Northern Industries Inc  
 GLAMOUR Farley & Loetscher  
 GLASBARS Owens-Illinois  
 GLAS-GLAZ American Vitrifled Prods  
 GLAS-GLAZ United Gilsonite Lab  
 GLASIRON Wolverine Porcelain  
 GLASSHEAT Continental Radiant Glass Heating  
 GLASSURFACED Kirlin Co  
 GLATEX United States Gypsum  
 GLAZEOAT Johns-Manville  
 GLAZOL United Gilsonite Lab  
 GLENDURA SOIL-PROOF WALLCOVERINGS Imperial Paper & Color Corp  
 GLIDE Frantz Mfg Co  
 GLIDE-ALL Woodall Industries  
 GLIDE-AWAY Farley & Loetscher  
 GLIDE MASTER Arthur Cox & Sons Inc  
 GLIDE-O-MIR Great Northern Mfg  
 GLIDEOVER Wagner Mfg Co  
 GLIDER Momar Industries  
 GLID-TONE Gjidden Co  
 GLISTO Sapolin Paints  
 GLOBEROID Globe Paint Works  
 GLO-FLEX Globe Paint Works  
 GLOLOG Strait & Richards  
 GLONAMEL Globe Paint Works  
 GLOS-TONE Martin-Senour Co  
 GLULAM-BEAMS Jones Roof Structures  
 GLUMAC Shakertown Corp  
 GOLD BAK Alisco Inc  
 GOLD BOND National Gypsum Co  
 GOLD CROWN Pioneer Gen E Motor  
 GOLD MEDAL Patent Scaffolding  
 GOLD-METL STAIRS Tennessee Fabricating

GOLD SEAL Reese Metal Weatherstrip  
 GOLD-SEAL Tectron Metals Co  
 GOLD STRAND Colorado Fuel & Iron  
 GOLD TIP Fletcher-Terry Co  
 GORDON DOOR Gordon Mfg Co  
 GOSSETT Kees F D Mfg  
 GPX Georgia Pacific Corp  
 GRAIN-TEX Jones & Brown  
 GRAINGLO Puget Sound Plywood  
 GRAND PRIZE United States Gypsum  
 GRANDVIEW Miami Cabinet Div  
 GRANITEX Mosaic Tile Co  
 GRANOLITH Barreled Sunlight Paint  
 GRAYLITE Insulite Co  
 GRAYS HARBOR Mackie Mill Co  
 GRAYSTONE Graystone Inc  
 GREASEPTOR Zurn Industries Inc  
 GREENCON Clipper Mfg Co  
 GREEN-LABEL Johnson S C & Son  
 GREEN TWEED Slaymaker Lock Co  
 GRIFFIN Griffin Mfg Co  
 GRILLADIER Bennett-Ireland Inc  
 GRIND-O-FLEX Merit Products  
 GRIP-O-MATIC Owatonna Tool Co  
 GRIP-SNIP Sargent & Co  
 GRIPTAC B and T Metals Co  
 GRITCLOTH Gyro Brass Mfg  
 GRITCLOTH Bay State Abrasive Prods Co  
 GSD Glass Shower Door Co  
 GUARD Columbus Coated Fabrics Corp  
 GUARDIAN (Lockset) Corbin P & F  
 GUARDIAN Pittsburgh Plate Glass  
 GUARDIAN General Cable Corp  
 GUIDE-O-MATIC Barrett Cravens  
 GULFSPRAY Binswanger and Co  
 GULF STREAM Aldrich Co  
 GUM-A-TUB Edwards Co Inc  
 GUM A TUB Protectub Inc  
 GYP C DOODLE Gypsum Ceiling Jack  
 GYP C HORSE Gypsum Ceiling Jack  
 GYP C JACK Gypsum Ceiling Jack  
 GYP C PROP Gypsum Ceiling Jack  
 GYP C TOTER Gypsum Ceiling Jack  
 GYRO-LITES Barber Mfg  
 GYRO-LITES Swiveller Co  
 GYRO-SPENSER Gyro Brass Mfg  
 H & C Hart & Cooley Mfg  
 H-D Hunter Douglas Alum Corp  
 H & H Arrow Hart & Hegeman Elec  
 HACKMASTER American Saw & Mfg  
 HADDON HALL Wood-Mosaic Inc  
 HAKO PRODUCTS Hachmeister-Inc  
 HAMCO Hamco  
 HAMILTON Remington Alum Window  
 HAM-R-TOOLS Fastway Fasteners  
 HAN-D-POST Sawhill Tubular Products  
 HANDLER Colson Corp  
 HANMOLE Molco Drilling Machines  
 HARBOR DOR Harbor Plywood  
 HARBORITE Harbor Plywood  
 HARBORWAVE Harbor Plywood  
 HARCO Veach-May-Wilson  
 HARCO BRAND Hardwood Corp of Amer  
 HARCOL Sonneborn L Sons  
 HARD-GLOSS Johnson S C & Son  
 HARDLAP Insulite Co  
 HARD-TIP Heinemann Saw Corp  
 HARGRAVE Cincinnati Tool  
 HARMONITONE Mosaic Tile Co  
 HARRIS BRAND Harris Hardwood Co  
 HARTFORD Miller Co

HASKO Haakelite Mfg Corp  
 HASTINGS Hastings Aluminum Prods  
 HAWK SPREAD Ohio Lime Co  
 HAWTHORNE Shuford Mills Inc  
 HAYES Gerber Plumbing Fixtures Corp  
 HEATFORM Superior Fireplace  
 HEATLATOR Vega Industries  
 HEATLUX Johnson S T Co  
 HEAT-PAK Aldrich Co  
 HEATRITTE Auer Register Co  
 HEAVY DUTY WALCO Walworth Co  
 HEETAIRES Markel Electric Prods Inc  
 HEF-T-POST Sawhill Tubular Products  
 HELLOADER Heil-Quaker Corp  
 HELIX Caldwell Mfg Co  
 HELMET HEAD Boice Crane Co  
 HELYX Hillwood Mfg Co  
 HERC-U-LITE Wessels Co  
 HERCULES Bache Semon & Co  
 HERCULES Meilink Steel Safe Co  
 HERCULES Newark Ladder & Bracket  
 HERCULES Sargent & Co  
 HERCULITE Pittsburgh Plate Glass  
 HERCULOY Revere Copper & Brass  
 HERMAN NELSON American Air Filter  
 HERMIDIFIERS Abbeon Supply Co  
 HERMITAGE Leathers A H Mfg  
 HERMOSA Gladding McBean  
 HERRINGBONE Merwin Mfg Co  
 HERRINGBONE DOUBLEMESH Truscon  
 Steel Div  
 HEXCAST U S Expansion Bolt  
 HI-BOY Airtemp Div Chrysler  
 HICO Webrig Steel Corp  
 HI-CAP Rempe Co  
 HIDALIFT Turner & Seymour  
 HIDE-A-SHELF Amerock Corp  
 HIDEWAY Newark Ladder & Bracket  
 HI-ELECTRIC Independent Lock &  
 Hardware  
 HI-ELECTRIC Maginniss Power Tool  
 HI-LINE Luftkin Rule Co  
 HI-LINE Weatherproof Prods  
 HI-LITE Farley & Loetscher  
 HI LITE United States Gypsum  
 HILO Frantz Mfg Co  
 HILO Nudor Mfg Co  
 HI & LO Utica Radiator Corp  
 HI-RATE General Water Heater  
 HI-SPEED Baughman Mfg Co Inc  
 HI-SPEED Louisville Cement  
 HI-STYLE Jones & Brown Inc  
 HOE-BOY Construction Machinery Co  
 HOFFMAN ALUMILUX Clayton and  
 Lambert  
 HOIST-ALL Coffing Hoist Div  
 HOIST MASTER (Power Shovel) Smiths  
 Hoist Mfg Co  
 HOL ANCHOR Hollaender Mfg Co  
 HOLFORD Hopes Windows Inc  
 HOLSUN Black & Decker Mfg Co  
 HOLIDAY Burnham Boiler Corp  
 HOLIDAY Winter Seal Corp  
 HOLIDAY (Storm Window) Textron  
 Metals Co  
 HOLOFLUX Holophane Co  
 HOME & HOBBY McKinney Mfg Co  
 HOMEAIRE York-Shipley Inc  
 HONEGARD Russell & Erwin Div  
 HONEGUARD Pal-O-Pak Insulation  
 HOMELIFT Shephard Elevator Co

HOMES FOR LIVING INC Architectural  
 Plan Service Inc  
 HOMOFLEX Raybestos-Manhattan  
 HOODAIRE Hearthaire Conditioning Co  
 HOOK-TOOTH American Saw & Mfg Co  
 HOOSIER Enterprise Co  
 HOPTO Badger Div  
 HORNFLX Horn A C Companies  
 HOT SPOT Miner-Hillard Milling  
 HOUR SEAL The O'Brien Corp  
 HOUSEMART Roddis Plywood  
 HOWELL Kol-Master Corp  
 HOWELL-DOR Howell Mfg Co  
 HOWELL-TITE Howell Mfg Co  
 HPC SOUND INSULATING DOORS  
 Hardwood Prods  
 HUBBELLOCK Hubbell Harvey Inc  
 HUDEE Selck Walter E & Co  
 HUDSON Tilley John S Ladders  
 HUFOR Hough Mfg Co  
 HUGADOR B and T Metals Co  
 HUMPHREY HEATERS General Gas  
 Light Co  
 HUNT PROCESS Carter-Waters Corp  
 HUSH-MATIC Swanson Mfg Co  
 HUSKY Zom Ladder & Mfg Co  
 HV-CENTRIFUGAL Decatur Pump Co  
 HYDRA-HAMMER Ottawa Steel  
 HYDRAULIC ACTION White Rodgers Co  
 HYDRA-WAY Ottawa Steel Young  
 Spring Wire  
 HYDRO-CHECK National Gypsum  
 HYDRO-CHECK Seddon Co  
 HYDRO-CHECK Forrers Div Spray-O-  
 Bond  
 HYDROCIDE Sonneborn L Sons  
 HYDROCIDE COLORCOAT Sonneborn L  
 Sons  
 HYDRO-FLO Bell & Gossett  
 HYDRO-LINE Skyline Indust  
 HYDROGUARD Powers Regulator  
 HYDROPEL American Bitumuls & As-  
 phalt Co  
 HYDROTHERM Hydrotherm Inc  
 HYDROXOLATOR Outdoor Oven Fire-  
 place Co  
 HYPRO Hypro Engineering  
 HYSTAWAY Hyster Co  
 I-BEAM Farley & Loetscher  
 ICY-FLO McQuay Inc  
 IDA-DOOR Ida Prods Co  
 IDA-TILT Barrett Div Allied Chemical  
 IDA-TILT Ida Products  
 IDEAL Extension Drawer Support  
 IDEALOX Ideal Brass Works  
 IDOR Ador Sales  
 IGAS Sikka Chemical Corp  
 ILCO Independent Lock & Hardware  
 ILCO Indiana Limestone  
 IMPERIAL Gates Mfg Co  
 IMPERIAL Leigh Building Prods Div  
 IMPERIAL Payne Co  
 IMPERIAL (Window) Sun Valley Indus-  
 tries  
 IMPERIAL United States Gypsum  
 IMPERIALITES Imperial Lighting Prod  
 IMPERIAL SPEEDMASTER Handley-  
 Brown Heater  
 IMPERIAL (Light Fixture) Miller Co  
 IMPERVO Hanley Co  
 IMPERVO ENAMEL Moore Benjamin  
 INCINOR Incineration Div

INCLINE TRACK King Mfg Co  
 INCLINETTE Inclinators Co of America  
 INCO International Nickel Co  
 INCLIN-ATOR Inclinators Co  
 INCO International Nickel Co  
 INDEPENDENCE Independence Oak Flg  
 INDUSTRIAL (Light Fixture) Miller Co  
 INDUSTRIAL HIGH-TENSILE Granite  
 City Steel  
 INFRA-RED Emerson-Pryne  
 INFRA-RED Insto-Gas Corp  
 INLAND HI-BOND Inland Steel  
 INLAND TI-CO Inland Steel  
 INLAND TI-NAMEL Inland Steel  
 INSELBRIC Jones & Brown  
 INSELWOOD Jones & Brown  
 INSELSTONE Jones & Brown  
 INSELUM Jones & Brown  
 INSELWOOD Jones & Brown  
 INSL-COTTON Taylor Bedding Mfg Co  
 INSTANT-FIT Universal Fabricators  
 INSTANT HEAT Emerson-Pryne Co  
 INSTO-HOT Insto-Gas Corp  
 INSTANT-LOK National Adhesive Div  
 INSTANT-LOK Quigley Co  
 INSULAIRE Industrial Prods  
 INSULATION BOARD Camp Co  
 INSUL-FIL Miracle Adhesives  
 INSULKOTE Johns-Manville  
 INSULPRENE Hubbell Harvey Inc  
 INTEGRALOCK Sargent & Co  
 INTER-CALL Music & Sound Inc  
 INTERCOTE National Chemical  
 INTERMATIC International Register  
 INVINCIBLE DOOR Jasco Aluminum  
 INVINCIBLE Fry Lloyd A Roofing Co  
 IRONBOUND Robbins Flooring Co  
 IRON-COTE Sullivan Co  
 IRON RITE Ironrite Inc  
 IRONWOOD Shuford Mills Inc  
 IVANHOE Miller Co  
 IVORY United States Gypsum  
 IVORY-X Pass & Seymour Inc  
 J-M Johns-Manville Corp  
 J M Burnham Corp Berger Div  
 J N BRAND Cook F C & Co  
 JACK FROST Barrett Div Allied Chem  
 JACKLIFT Lewis-Shepard Prods Inc  
 JACK RABBITT Hubbell Harvey Inc  
 JACKSON Gerber Plumbing Fixtures  
 JACKSON Vulcan Electric Co  
 JACKTRACTOR Lewis-Shepard Prods  
 JAL-O-VENT Superior Window Co  
 JALOUSIE Vulcan Metal Prods  
 JAL ZINC Jones & Laughlin Steel  
 JAMBEX Beadex Sales Inc  
 JAMB-UP Macklanburg-Duncan  
 JAMES-UNIVERSAL Cribben & Sexton  
 JAY-LITES Jay Lighting Mfg Co Inc  
 JAY TAMPER Jay Co Div Leukart  
 JEEP Willys Motors Inc  
 JEEP Jones & Laughlin Steel  
 JELCO Jenkins Lumber & Mfg Co  
 JENSEN Jensen-Thorsen Corp  
 JET Alumatic Corp of America  
 JETBLAK Ruberoid Co  
 JET E-Z Jet Tool Inc  
 JET-HEAT Barber Mfg Co  
 JET-LINE Wilson Grant Inc  
 JET-O-MATIC Goulds Pumps Inc  
 JETO Lake Shore Inc  
 JEWEL Master Lock Co

**JEWEL (Paint) Jewel Paint & Varnish**  
**JEWEL-LITE** Heinleys Movable Shutters  
**JIFFY** Angel Novelty Co  
**JIFFY** Grand Haven Stamped Prods  
**JIFFY** Miner-Hillard Milling  
**JIFFY 2-WAY** Zoss Ladder & Mfg Co  
**JIFFY JACKS** Superior Scaffold  
**JIFFY JOINT** Cannelton Sewer Pipe  
**JIFFY-JOINT** Texas Vitrified Pipe  
**JOHN DAY** Edward Hines Lumber  
**JOHNSONITE** Johnson Plastics Corp  
**JOINTSAVER** Texas Vitrified Pipe Co  
**JUBILEE** Burnham Boiler Corp  
**JUNIOR** Sun Valley Industries  
**JUNIOR BEAMS** Jones & Laughlin Steel  
**JUNIOR CHANNELS** Jones & Laughlin Steel  
**K-V** Knappe & Vogt Mfg  
**KAAR IMP** Kaar Engineering  
**KAB KOOLER** Onan D W & Sons Inc  
**KAIBAB STONE** Western States Stone  
**KAISER** Permanente Cement Co  
**KAISERCOUSTIC** Kaiser Gypsum  
**KALISTRON** United States Plywood  
**KALITEX** United States Plywood  
**KALOK** Kaul Clay Co  
**KANT-LEAK** Sullivan Co  
**KANT-SAG** United Steel Prods  
**KANT-SLAM** Kant-Slam Door Check Co  
**KANT-SLIP** Standard Register Co  
**KARRY KRANE** Hyster Co  
**KAUKIT** Sonneborn L Sons  
**KAW** Shawnee Mfg Co  
**KAYLO** Owens-Illinois  
**KELSON** Bommer Spring Hinge  
**KELCO** Kelco Div Wells Aluminum  
**KELLY PERFECT** True Temper Corp  
**KEM KRETE** Sherwin-Williams  
**KEMI-KAL** Sullivan Co  
**KENCO** Kenco Mfg Co  
**KENCOVE** Kentile Inc  
**KENCORK** Kentile Inc  
**KENFLEX** Kentile Inc  
**KENFLOR** Kentile Inc  
**KENGRADE** Kentile Inc  
**KENNAFRAME** Kennatrack Corp  
**KENNAGUIDE** Kennatrack Corp  
**KENNALATCH** Kennatrack Corp  
**KENNALOCK** Kennatrack Corp  
**KENNA-PAK** Kennatrack Corp  
**KENNA-RAMA** Kennatrack Corp  
**KENRUBBER** Kentile Inc  
**KENT** Speakman Co  
**KENTILE** Kentile Inc  
**KENTUCKY COLONEL** General Plywood  
**KERNERATOR** Kerner Incinerator Div  
**KETCHAM** Kessler Products  
**KEWANEE** Walworth Co  
**KEWANEE (Conveyors)** Lake Shore Inc  
**KEX** Rutland Fire Clay Co  
**KEYBEAD** Keystone Steel & Wire  
**KEYCORNER** Keystone Steel & Wire  
**KEY-HAK** Producers & Distributors  
**KEYLINE** Calder Mfg Co  
**KEYMESH** Keystone Steel & Wire  
**KEYNOTE** Edwards Co Inc  
**KEYSTONE** Revere Copper & Brass  
**KEYSTONE** Seneca Wire & Mfg  
**KEYSTONE** Standard Wire Cloth & Screen  
**KEYSTONE (Bolts)** Diamond Expansion Bolt

**KEYWALL** Keystone Steel & Wire  
**KEYWELD** Keystone Steel & Wire  
**KILNOISE** Tiger Brands Div  
**KIMSUL** Kimberly-Clark Corp  
**KIMSUL** King Lumber  
**KIMWOOD DOOR** Hardwood Prods  
**KINGLAZE E & F** KING & Co  
**KING-SIZE** Logan Clay Prods  
**KINGSHURST** Kingston Mills  
**KINGS PLUSH** Kingston Mills  
**KITCHEN MAID** Kitchen Maid Corp  
**KINTRIM** Kinkead Industries  
**KIRK TAX CALCULATOR** Kirk Plastics  
**KITCHENAID** Hobart Mfg Co  
**KITCHEN-AIRE** Stewart Ind  
**KITCHEN MAID** Kitchen Maid Corp.  
**KITCH-N-HANDY** Washington Steel Prods  
**KITCH-N-VENTOR** Universal Blower  
**KLEARTONE** Standard-Toch Chemicals  
**KLEENAIRE** Hudson H D Mfg  
**KLEENEDGE** Sunbeam Plastics Corp  
**KLEEN-EZY** Hudson H D Mfg  
**KLEEN-KOTE** National Casein Co  
**KLEENOLENE** Thomas Moulding Floor  
**KLIPBILT** The Frick-Gallagher Mfg  
**K-LITE** Kessler Prods Co  
**KLIP-LOK** Globe Roofing Prods  
**KLOSET KING** Hill Mfg Co  
**KNIGHT** Barland Weatherstrip Material  
**KNO-DRAFT** Connor Engineering  
**KNOX-OUT** Pennsalt Chemicals  
**KOKOMO KORNERS** Bugher Mfg Co  
**KOL-MASTER** Kol-Master Corp  
**KOLOR-BRITE** Martin-Senour Co  
**KOLORPINS** Independent Nail & Pkg  
**KOMUL** Selby Battersby & Co  
**KONSEAL** Sullivan Co  
**KONSET** Sullivan Co  
**KONTITE** Sullivan Co  
**KOOLVENT** Koolvent Metal Awning  
**KOOLSHADE** Reflectal Corp  
**KORALUM** Lyf-Alum Inc  
**KORD** Sterling Quality Prods  
**KORDITE** Kordite Corp  
**KORDUCT** Johns-Manville  
**KORINA** United States Plywood  
**KORKER** Mobile Paint Mfg  
**KORKER U S** Expansion Bolt  
**KORK-PAK** Serviced Prods  
**KORNER KING** R C S Tool Corp  
**KOROSEAL** Goodrich B F Co  
**KORPAK** Dunn-W E Co  
**KOSMORTAR** Kosmos Portland Cement  
**KOVELOCK** Parker S Hdwe Mfg  
**KOVEN VENKO** Waterfilm Boilers  
**KOVEN** Koven & Bro Inc  
**KOVEN** Standard-Toch Chemicals  
**KRAK-TITE** Sterling Quality Prods  
**KRETE-KUT** Bay State Abrasive Prods  
**KURLICUE** NAILS Independent Nail & Packing  
**KUROKROME** Master Builders Co  
**KUSHIONED** Extension Drawer Support  
**K-VENIENCE** Knappe & Vogt  
**KWENCH-KOTE** American Asbestos  
**KWIKCHANGE** Leviton Mfg Co Inc  
**KWIK-WAY** Hart & Cooley Mfg Co  
**KWIK-ROC** Horn A C Companies  
**KWIK-SEAL** Dicks Armstrong Pontius  
**KWIKSET** Kwikset Div American Hdwe  
**KWIK-WAY** Hart & Cooley Mfg Co

**KYANIZE** Kyanize Paints Co  
**L K General** Air Conditioning  
**LVC** Square D Co  
**L & H ELECTRO-HOST** Norris Thermador  
**LADIES' CHOICE** Yoder Mfg Co  
**LADSCAF** Universal Mfg Corp  
**LADY UTILINE** Shuford Mills Inc  
**LAFAYETTE** Irmanton Prods Co  
**LAG-LOCKS** Rawplug Co  
**LAG-SHIELDS** Rawplug Co Inc  
**LAMBOARD** Armstrong Cork  
**LAMINART** Clayton and Lambert  
**LAMINART** Fabricon Prods  
**LANCER** Peck and Harvey  
**LANDMARK** Lennox Industries  
**LANES 3-TY** Lanebro Mfg Co  
**LANGDON-ACME** Millers Falls Co  
**LANSO** Landers Segal Color Co  
**LA PERLA** Acme Brick  
**LAPIDOLITH** Sonneborn L Sons  
**LASCOLITE** Lynch Asbestos  
**LASCOPEPE** Lynch Asbestos  
**LASTIKALK** Lastik Prods  
**LATEX CONCRETE TOPPING** Camp Co  
**LATEX #7** Camp Co  
**LAU WALL VANITY** Patton Clay Mfg  
**LAUNDROMAT** Westinghouse Electric  
**LAVANETTE** Toledo Desk & Fixture  
**LAVANITIES I-XL** Furniture Co  
**LAVAX** Pittsburgh Plate Glass Co  
**LAWRENCE SYSTEM** Lawrence Warehouse Co  
**LAYKOLD** American Bitumulus & Asphalt  
**LAYRITE** Standard Paste & Glue  
**LAYTITE** Connor Lumber & Land Co  
**L-BLOW ROOF EXHAUSTERS** Trade-Wind Motor Fans  
**LEAD-SEAL** Deniston Co  
**LCN LCN** Closers Inc  
**LEADER** Burnham Corp Berger Div  
**LEADER** Lufkin Rule Co  
**LEADTEX** Revere Copper & Brass  
**LEATHERITE** Insulite Co  
**LEATHERWOOD** Masonite Corp  
**LEBANEX** Cascades Plywood  
**LEBANEX** United States Plywood  
**LEBANITE** Cascades Plywood  
**LECO LATCH** Laboratory Equip Corp  
**LECTRIC-AIRE** Radex Corp  
**LEKTRIK-SPRAY** Hudson H D Mfg  
**LEMCO** Croft Metal Prods  
**LEMCO U S** Expansion Bolt  
**LENOX** American Saw & Mfg  
**LENROC** Finger Lakes Stone  
**LESLIE LOUVERS** Leslie Welding Co  
**LESTO** Krieg Victor J  
**LEVELEASY** Hydrolevel  
**LEVELER** Colson Corp  
**LEVELINE** Calder Mfg Co  
**LEVERLIFT** Colson Corp  
**LEV-L-ASTIC** Allied Compositions  
**LEV-O-LOCK** Hudson H D Mfg  
**LEV-O-LOCK** Leviton Mfg Co  
**LEV-R-LATCHES** Soss Mfg Co  
**LIBERTY** Tilley John S Ladders  
**LIDO** Carey-McFall Co  
**LIFETIME** Atco Aluminum Prods  
**LIFETIME VINYL** Robbins Floor Prods  
**LIFTAMATIC** Sasgen Derrick Co  
**LIFT-A-SHELF** Acme Appliance Mfg Co  
**LIGHTSTEEL** Penn Metal Co Inc  
**LIGNOPHOL** Sonneborn L Sons

LIMPET Keasbey & Mattison  
LINDBECK Wooster Brush Co  
LINDSTROM Gensco Tools  
LINE-O-LAMPS Wiremold Co  
LINK American Sta-Dri Co  
LION BRAND Western Lime & Cement  
LION MITER MASTER Footstuck Corp  
LION UNIVERSAL TRIMMER Footstuck  
LIQUID ALUMINUM Chicago Bronze & Color  
LIQUID LITE The O'Brien Corp  
LIQUID RAWHIDE Linseed Oil Prods  
LIQUID STAINLESS STEEL Lockrey  
LIQUID VELVET The O'Brien Corp  
LITTLE AMERICAN American Floor Machine Co  
LITTLE GIANT Master Lock Co  
LITTLE HUMMER Wagner Mfg Co  
LITTLE MAJOR Arro Expansion Bolt  
LITTLE WIZARD Round David & Sons  
LIVING-AIR Mayflower Air-Conditioners  
LOAD LIFTER Manning Maxwell & Moore  
LOAD-PLUS Jaeger Machine Co  
LO-BOY Airtemp Div Chrysler  
LOCKPRIME Pennsalt Chemicals Corp  
LOCK-TITE Leckhart Mfg Corp  
LOCKWOOD Cloud Oak Flooring  
LOGAN Logan Clay Prods Co  
LOGAN-LOCK Logan Clay Prods Co  
LO-HED American Engineering Co  
LOKATOR Edwards Co Inc  
LOKD BAR Hopes Windows Inc  
LOK-FLANGE Reed Cromex Corp  
LO-K INSULATION Lockport Mills  
LOK-RIB Inland Steel Prods  
LOK-TAB Leigh Bid Prods Div  
LOK-TAB Ruberoid Co  
LOKTITE U S Expansion Bolt  
LOLINE Pritchard J F & Co  
LONE-STAR Binswanger & Co  
LONG BOY Wooster Brush Co  
LONG LIFE Goodall Rubber Co  
LOS RANCHOS Midland Brick & Tile  
LOUVER-DOR Allied Metals Inc  
LOUVER-GLASS Kirlin Co  
LOUVREX Blue Ridge Glass Corp  
LOXFRAME Loxscreen Co  
LOXTRIM Loxscreen Co  
LOZENGE ANTIQUE Mondial United  
LUBRI-TASCON Cabot Samuel Inc  
LUMASKIN Ludlow Papers Inc  
LUMI-PLASTIC Luminous Ceilings Inc  
LUMINALL National Chemical & Mfg  
LUMITE Chicopee Mills Inc  
LUPTON Flynn Michael Mfg  
LUSTARITE Mobile Paint Mfg  
LUSTERLITE Insulite Co  
LUSTRA GRAY Amer Window Glass Div  
LUSTRACRYSTAL Amer Window Glass  
LUSTRAGLASS Amer Window Glass Div  
LUSTRAVIEW Miami Cabinet Div  
LUSTRE TONE The O'Brien Corp  
LUSTRE-UP The O'Brien Corp  
LUSTRO-O-LITE Lustro Tile Mfg  
LUSTRO-WARE Columbus Plastic Prods  
LUXAIRE Olsen C A Mfg  
LUXALL National Mfg Corp  
LUXLITE COOLITE Mississippi Glass Co  
LUX-RIGHT Saint Paul Corrugating Co  
LUXSTAR Ceresit Waterproofing Corp  
LUXTONE Minnesota Paints Inc

LUXTROL LIGHT CONTROL Superior Electric Co  
LUX-VISELS MX Lux Co Inc  
L-VATOR Bosworth Mfg Co  
LYFALUM Lyf-Alum Inc  
LYNRUS Price Fire & Water Proofing Co  
LYNTON Fabrikona Inc  
LYT-ALL Pratt & Lambert  
M-D Mackianburg-Duncan Co  
M-DECK Mahon R C Co  
"M-1000" DOOR Morgan Co  
MACK Mack Trucks Inc  
MA-CREPE May D C Co-Ma-Crepe Co  
MADUCO Mackianburg-Duncan Co  
MAESTRO COLORS Pittsburgh Plate Glass Co  
MAGIC LINK Modernaire Corp  
MAGIC-FOLD Closures Sales Corp  
MAGIC-FOLD DOOR Clopay Corp  
MAGI-GREEN Lockery Co  
MAGIKOTER Wooster Brush Co  
MAGNA-LINE Skyline Industries Sales  
MAGNALITE (Level) Graham John H & Co Inc  
MAGNA-TILE Stylon Corp  
MAGNELITE Scharf J H Mfg Co  
MAGNESITE UNDERLAYMENT Thomas Moulding Floor Co Inc  
MAGNOLIA Southern Cement Co  
MAG-O-CRETE Camp Co Inc  
MAID OF ATHENS Athens Stove Works  
MAILO-BOX Penn Gref Mfg Co  
MAKE YOUR OWN Larson Chas O Co  
MALIBU Heinleys Movable Shutters  
MAL-LEAD BOLT ANCHOR Arro Expansion Bolt Co  
MALT-A-GLIDE Malta Mfg Co  
MALT-A-MAGIC Malta Mfg Co  
MALT-A-MATIC Malta Mfg Co  
MALT-A-VENT Malta Mfg Co  
MALTESE CROSS BRAND Seattle Cedar  
MANHATTAN Raybestos-Manhattan  
MAR-GON United Gilonite Labs  
MARB-L-COTE National Chemical & Mfg Co  
MARBLE FLAIR Wallace Mfg Co  
MARBLEHEAD King E & F & Co Inc  
MARBLETRED Thomas Moulding Floor  
MARCO FOLDING STAIRWAYS Fabricon Co  
MARDI-GRAS United States Plywd Corp  
MARGOLD Hellig Bros Co  
MARINITE Johns-Manville Corp  
MARKWA Vermont Marble Co  
MARLITE BLOCK Marsh Wall Products Inc  
MARLITE HI GLOSS Marsh Wall Prods  
MARLITE KORELOCK Marsh Wall Prods  
MARLITE MARBLE PANEL Marsh Wall Prods  
MARLITE PLANK Marsh Wall Prods  
MARLITE POLISH Marsh Wall Prods  
MARLITE WOODPANEL Marsh Wall Prods  
MARSCHKE Grinding & Polishing Mach  
MARTHA WASHINGTON Gray & Dudley Co  
MARVAIR Muncie Gear Co  
MARVAN Marvan Corp  
MARVEL Marvel Equipment Co  
MARVEL-LIFT Crawford Door Co

MARVELWITE Sonneborn L Sons  
MASCO Simpson Mark Mfg Co Inc  
MARZOLF Farwell Metal Fabricating  
MASLAND DURAN CLAD Masland Duralather Co  
MASON-DRI Sapolin Paints Inc  
MASONITE Masonite Corp  
MASONIZE American Asbestos Prod  
MASON-SEAL Calbar Paint & Varn  
MASTER-BILT Bird & Son Inc  
MASTER-CAULK Calbar Paint & Varn  
MASTER CLEANER & POLISH Miraplas Tile  
MASTER CRAFT Met-Cro Specialties  
MASTER - FLUSH DOOR Hardwood Products Corp  
MASTER GLAZIERS Biddle Co  
MASTERKURE Master Builders Co  
MASTER MASTIC Miraplas Tile Co  
MASTERMIX Master Builders Co  
MASTERPLATE Master Builders Co  
MASTERPLY Aetna Plywood & Veneer  
MASTER PROFESSIONAL 8 Holt Mfg  
MASTIC Crown Tile Corp  
MASTICBOARD Camp Co Inc  
MATICO Mastic Tile Corp  
MATICO ARISTOFLEX Mastic Tile Corp  
MATICO CONFETTI Mastic Tile Corp  
MATICO DELUXE Mastic Tile Corp  
MATICO MATICORK Mastic Tile Corp  
MATICO MATICOVE Mastic Tile Corp  
MATICO PARQUETRY Mastic Tile Corp  
MATICO SUPER DELUXE Mastic Tile  
MAXAW Cummins Portable Tools Div  
MAXIM-AIR Trusecon Steel Div  
MAYA MAT Redwood Garden Materials  
MAYES Mayes Bros Tool & Mfg Co  
MAYFAIR Textron Metals Co  
MAYFLOWER Mayflower A/C Inc  
MAZEMADE Maze W H Co  
MECCO Curtis Mfg & Asbestos Co  
MECHANIZED MOLE Moico Drilling Mach  
MEL-LUX Sapolin Paints Inc  
MELLOTONE Lowe Bros  
MELTOMATIC Wayne Chemical Prods  
MENGELBORD Mengel Co  
MENGELWOOD Mengel Co  
MERCURY Vulcan Electric Co  
MERCURYS Weatherbest Corp  
MERLIN Fitzgerald M J Co  
MERMAID Lehman Sprayshield Co  
MERTLAND Hedges M M Mfg Co  
METALANE Monarch Metal  
METALBESTOS Metalbestos Div  
METAL-LITE Rich Howard B Inc  
METALLIC Lufkin Rule Co  
METAL MASTER Wiss J & Sons Co  
METAL MESH Alabama Wire Co Inc  
METALOK Johns-Manville Corp  
METALSET Smooth-on Mfg Co  
METALVENT Metalvent Corp  
MET-CRO Met-Cro Specialties Co Inc  
METERGAS Suburban Propane Gas Corp  
MET-L-GLIDE Lock-Joint Window Co  
METRODECK Goldsmith Metal Lath Co  
METWAL Metiwal Corp of America  
METWAL JR Metiwal Corp of America  
MEZURALL Lufkin Rule Co  
M-FLOOR Mahon R C Co  
MIAMI-CAREY Miami Cabinet Div  
MICARTA United States Plywood

MICARTA Westinghouse Electric  
 MICARTABORD United States Plywood  
 MICHIGAN Clark Equipment Co  
 MICROLITE L-O-F Glass Fibers Co  
 MICRO-LOK L-O-F Glass Fibers Co  
 MICROTEX L-O-F Glass Fibers Co  
 MIDGET Utica Radiator Corp  
 MIDGET (Louver) Midget Louver Co  
 MIDGET (Roller) Metzgar Conveyor  
 MIDGET (Wheel) Metzgar Conveyor  
 MIDGET (Slat Closure) Wilson J G  
 MIDLAND Lindemann A J & Hoverson  
 MIGHTY MIDGET PULLERS Coffing  
 Holst Div  
 MIGHTY MITE Remington Arms Co Inc  
 MILCOR Inland Steel Products Co  
 MILDOOM Sapolin Paints Inc  
 MILLER Miller Frank B Mfg Co  
 MILLER CEDAR Miller E C Lumber Co  
 MINATONE Armstrong Cork Co  
 MINNCOTE Minnesota Paints Inc  
 MINNFLO Minnesota Paints Inc  
 MINNSPAR Minnesota Paints Inc  
 MINUET GROUP Woodward Lee L Sons  
 MINUTE MAN Slaymaker Lock Co  
 MINUTE MOUNT Progress Mfg Co  
 MIRACLE Corson G & W H Inc  
 MIRACLE Newark Ladder & Bracket  
 MIRACLE Tylac Co  
 MIRACLE BLACK MAGIC Miracle Ad-  
 hesives  
 MIRACLE FLOOR Camp Co Inc  
 MIRACLE LIME Western Lime & Cement  
 MIRACLE TAPE Gering Products Inc  
 MIRACLE TUB CAULK Miracle Ad-  
 hesives  
 MIRAMENT Seddon Co  
 MIRARIM Elkay Mfg Co  
 MIRATRIM Miraplas Tile Co  
 MIRRO-CHROME Penn-Akron Corp  
 MIRRICO-BOND Camp Co Inc  
 MISTY WALNUT Masonite Corp  
 MITCO Hendrick Mfg Co  
 MFI-MAST Utility Service Co Inc  
 MIX ELVATOR Air Placement Equip  
 MOBIL-BRACKETS Safeway Steel Prod  
 MOBILWALLS Virginia Metal Prods  
 MODEL MAID General Electric Co  
 MODERN-COTE New Castle Products  
 MODERNFOLD New Castle Products  
 MODERNWOOD Modernwood Co  
 MODU-AIRE United States A/C Corp  
 MODULART Weber Showcase & Fixture  
 MOE LIGHT Thomas Industries Inc  
 MOHICAN Mansfield Sanitary Inc  
 MOIRE St Paul & Tacoma Lumber Co  
 MOISTOP American Sisalkraft Corp  
 MOLCOR Bemis Mfg Co  
 MOLY Wood Shovel & Tool Co  
 MONARCH Martin-Senour Co  
 MONCRIEF Henry Furnace Co  
 MONEL International Nickel Co  
 MONITOR Baker Mfg Co  
 MONO-FLASH Carrollton Mfg Co  
 MONOGRAM Quincy Stove Mfg Co  
 MONOMASTER Boice Crane Co  
 MONO MAST Hyster Co  
 MONTEREY Fiat Metal Mfg Co  
 MONTEREY (Screen Door) Rudiger-  
 Lang Co  
 MONUMENTAL Ware Laboratories Inc  
 MOORE-O-MATIC Moore A E Co

MOPACO VAR Mobile Paint Mfg  
 MOR-SUN Morrison Steel Prods  
 MORTASEAL United States Gypsum Co  
 MORTEX #5 Mortell J W Co  
 MOR-TILE Morton Ceramic Tile Co  
 MORTITE Mortell J W Co  
 MO-SPEED American Saw & Mfg Co  
 MOTO-BUG Koehring Co  
 MOTO-MIXER Chain Belt Co  
 MOTORDOR Broan Mfg Co Inc  
 MOTO-TRIMMER Bosworth Mfg Co  
 MOULSTONE Thomas Moulding Floor  
 MOUNT AIRY GRANITE North Carolina  
 Granite  
 MOUNT VERNON Gerber Plumbing  
 MOYNO Robbins & Myers Inc  
 MUD-JACK Koehring Co  
 MUELLERAIRE Mueller Climatrol Div  
 MUELLER CLIMATROL Mueller Clima-  
 trol Div  
 MULE-HIDE Lehon Co  
 MULSOMASTIC Tremco Mfg Co  
 MULTI-CELL Pal-O-Pak Insulation  
 MULTI-COIL Ruud Mfg Co  
 MULTI-DIAMETER U S Expansion Bolt  
 MULTI-FIN Ruud Mfg Co  
 MULTI-MAST Utility Service  
 MULTI-PITCH Home Comfort Mfg  
 MULTI-PURPOSE Flint & Walling Mfg  
 MULTI-SHINGLES Barrett Div  
 MULTI-SPRING Master Lock Co  
 MULTITINT Seidnitz Paint & Varn  
 MULTI-VENT Pyle-National Co  
 MULTI-WOOD-BLOK Fair D L Lumber  
 MURALEX Blue Ridge Glass Corp  
 MURALON National Aluminum Co  
 MURRAY Gladding McBean & Co  
 MUSI-KOM Home Music Systems Inc  
 MUSI-TALK Fanon Electric Co Inc  
 MW-ONE Carey Philip Mfg Co  
 MW-50 Carey Philip Mfg Co  
 MYTI-DRI Masonry Waterproofing  
 NAILDRIVER Morgan Machine Co  
 NAILMASTER Stanley Tools  
 NAILON FACING BRICK Ludowici-  
 Celadon  
 NAIRN Congoleum-Nairn Inc  
 NAIRON Congoleum-Nairn Inc  
 NAIRONTOP Congoleum-Nairn Inc  
 NAKORA United States Plywood Corp  
 NALCO National Lead Co  
 NALTEX Nalle Plastics Inc  
 NAM-A-LAC Mobile Paint Mfg Co  
 NANCY WARREN United Wallpaper Co  
 NARROWALL Holly-General Co  
 NATCHEZ FLAT ENAMEL Mobile Paint  
 NATCHEZ LUSTER-NAMEL Mobile  
 Paint  
 NATIONAL Columbia-Geneva  
 NATIONAL Metal Trims Inc  
 NATIONAL BRAND National Forest  
 Prods  
 NATIONAL DISPOSER National Rubber  
 Mach  
 NATIONAL LIFETIME TILE National  
 Tile  
 NAVAL Sloan Valve Co  
 NEGATOR BALANCETTE Caldwell Mfg  
 NEOCOAT Pennsalt Chemicals Corp  
 NEO-GLO Markel Electric Prods  
 NEOPRENE ALL SEAL Stay-Tite Prods  
 NEPTUNE Fiat Metal Mfg Co

NEU-TONE Martin-Senour Co  
 NEVAMAR Nevamar Carefree Kitchens  
 NEVER-STAIN Nichols Wire & Alum Co  
 NEW DIMENSION Sterling Faucet Co  
 NEW HOME Brown Stove Works Inc  
 NEW LONDONER Curtis Companies  
 NEWPORT Adrian Div Hoover Ball  
 NEWPORT Webster Warren & Co  
 NEW STANDARD Extension Drawer  
 Support  
 NIAGRA Niagara Furnace Div  
 NI-CLAD Lufkin Rule Co  
 NICHOLSON Nicholson File Co  
 #19 SHALLOW Strait & Richards Inc  
 NITEAIR Lau Blower Co  
 NO DRIP Mortell J W Co  
 NOMEK Lock-Joint Window Co  
 NON CON DUX Wilson Grant Inc  
 NORK General Hardware Mfg Co  
 NORMAN Sheridan Press Brick & Tile  
 NORTH-LITE Great Northern Mfg  
 NORTHERN-AIRE Great Northern Mfg  
 NORTH WIND Emerson Electric Mfg Co  
 NORTON Behr-Manning Corp  
 NORWESCO Northwest Metal Prods  
 NORWOOD Lawrence W W & Co  
 NORWOOD Northwest Door Co  
 NO SHOK Bell Electric Co  
 NO-TAR-IN Rutland Fire Clay Co  
 NOVO Novo Pump & Engine Co  
 NOVOPLY United States Plywood Corp  
 NU-AIR Meier Electric & Mach  
 NOX'EM-ALL Barrett Div  
 NU-ART Macklanburg-Duncan Co  
 NU-BRICK Protective Products Co  
 NU-CALK Macklanburg-Duncan Co  
 NUCRETOR Air Placement Equipment  
 NUCUT Heller Tool Co  
 NU-FRAME Rudiger-Lang Co  
 NU-GARD Macklanburg-Duncan Co  
 NU-GLAZE Macklanburg-Duncan Co  
 NU-HUE Martin-Senour Co  
 NU-LAP Protective Products Co  
 NU-LUME Macklanburg-Duncan Co  
 NUMETAL Macklanburg-Duncan Co  
 NU-PREST HARDBOARD Midwest Ply-  
 wood  
 NU-RAIL Hollaender Mfg Co  
 NU-WALL Nu-Wall Mfg Co  
 NU-WAY Macklanburg-Duncan Co  
 NU-WOOD Wood Conversion Co  
 NYLO Metzgar Conveyor Co  
 OAKWELD Harris Mfg Co  
 O-E Arro Expansion Bolt Co  
 OHIO AUTOCLAVED Ohio Lime Co  
 OHIO EVER-READY Ohio Lime Co  
 OHIO SANLIME Ohio Lime Co  
 OHIO WHITE Ohio Lime Co  
 OIL DELUXE Williamson Co  
 OILMASTER Thatcher Furnace Co  
 OIL-O-MATIC Williams Oil-O-Matic  
 OILSAVER Williamson Co  
 OIL SPECIAL Williamson Co  
 OIL SUPER Williamson Co  
 OIL TONE Seidnitz Paint & Varnish Co  
 O'K PRECISION BLOCKS O'Kelly-  
 Eccles Co  
 OL' SETTLER Ol' Settler Shake Co  
 OLD VIRGINIA WHITE Cabot Samuel  
 OLSON LINE Olson Mfg Co  
 OLYMPIA General Metalcraft Inc

OMARK Omark Industries Inc  
OMEGA Tilley John S Ladders Co  
ON-GARD Macklanburg-Duncan Co  
100 PLUS Stanley Tools  
OPEN SESAME Lancaster Pump & Mfg  
ORANGE Eagle-Pitcher Co  
ORANGE Virginia Metal Products Inc  
ORIENTAL United States Gypsum Co  
ORTHOXIDE California Spray-Chemical  
ORTHODIHLOROBENZENE Solvay Process Allied Chemical Dye  
ORTHO-GRO California Spray-Chemical  
OSMOPLASTIC Osmose Wood Preserving  
OSMOSALTS Osmose Wood Preserving  
OTC Owatonna Tool Co  
O-T OPEN TRUSS Truscon Steel Div  
OVAPLY Oregon Veneer Co  
OVERDOORS Barber Colman Co  
OXALUMA Cortland Grinding Wheels  
OXFORD Universal Potteries  
OZARK Ozark Oak Flooring Co  
OZAN Ozan Lumber Co  
P A R Protection Products Mfg Co  
P & S Pass & Seymour Inc  
PACEMAKER Elkay Mfg Co  
PACEMAKER Harloc Products Corp  
PACEMAKER Hubbell Harvey Inc  
PACEMAKER McQuay Inc  
PACE-PAK Burnham Boiler Corp  
PACER Sequoia Manufacturing Co  
PACER (Windows) Aluminum Indus  
PACESETTER Beautycraft Kitchens Div  
PAINTERS PRIDE Wooster Brush Co  
PAINTGUN Root-Lowell Corp  
PALCO Pacific Lumber Co  
PALLETIER Barrett Cravens Co  
PALLET-PAK Fair D L Lumber Co  
PAL-O-PAK Pal-O-Pak Insulation Co  
PAN-A-LITE Arnold Altex Alum Co  
PANAMOID Barrett Div  
PANATONE Baldwin Hill Co  
PANAVIEW Glide Windows Inc  
PANCAKE Wiremold Co  
PANELAIR Payne Co  
PANELOK Masonite Corp  
PANELBOND Horner Flooring Co  
PANELFOLD Panelfold Doors Inc  
PANEL-GLO Benjamin Electric Co  
PANELGROOVE Masonite Corp  
PANELRAY Day & Night Mfg Co  
PANELSTONE Ruberoid Co  
PANELOK Lustrro Tile Mfg Co  
PANELWOOD Masonite Corp  
PANEL-VENT Owens-Illinois  
PANELYTE St Regis Paper Co  
PANLAM Polyplastex United Inc  
PAQUA Moore Benjamin & Co  
PARADICHLOROBENZENE Solvay Process  
PARADOME Holophane Co Inc  
PARAFLO Dravo Corp Machinery Div  
PARAGON Barrett Div  
PARA-HUE Sapolin Paints Inc  
PARALLEL - O - GREY Libbey -Owens-Ford Glass  
PARALLEL - O - PLATE Libbey-Owens-Ford Glass  
PARA-PLASTIC Servicised Prods Corp  
PARBOND Parr Paint & Color Co  
PARFLEX Parr Paint & Color Co  
PARMASTIC Parr Paint & Color Co

PARMELEE Walworth Co  
PAROID Bird & Son Inc  
PARQUET WOODTILE Robbins Flooring  
PAR-TILE Plywood Service Inc  
PAR-WOOD Plywood Service Inc  
PASADOR Farley & Loetscher Mfg Co  
PATRICIAN Tilley John S Ladders  
PATTEN-COMFORT Patten J V Co  
PAUL BUNYAN Linseed Oil Prods Co  
PAYLOADER Hough Frank G Co  
PAYLOGGER Hough Frank G Co  
PAYMOVER Hough Frank G Co  
PC GLASS BLOCK Pittsburgh Corning Corp  
PEARLITE Lustrro Tile Mfg Co  
PEE GEE Devoe & Reynolds Co Inc  
PEE GEE Peaslee-Gaulbert Paint  
PEERLESS Robbins Flooring Co  
PEERLESS Tucker Duck & Rubber Co  
PEERLESS Peerless Corp  
PEERLESS (Door) Holcomb & Hols  
PEG-BOARD Masonite Corp  
PELLA Rolscreen Co  
PEM Standard Dry Wall Prods Inc  
PENCLOR Pennsalt Chemicals Corp  
PENCHROME The O'Brien Corp  
PENCO The McGuffie Co  
PENCO (Cabinets) Wood Alan Steel Co  
PENETRAY Penetray Corp  
PENETREM Tremco Mfg Co  
PEN-FAST The O'Brien Corp  
PENGLASS Pennsylvania Wire Glass Co  
PENGUIN Peterson Window Corp  
PENMETAL Penn Metal Co Inc  
PENN CRETE Penn Crete Prods Co  
PENTROWEL Pennsalt Chemicals Corp  
PENNVERNON Pittsburgh Plate Glass Co  
PEN-O-LASTIC The McGuffie Co  
PENPLY Peninsula Plywood Corp  
PEN-SHEEN The O'Brien Corp  
PENTAFLEX Moore Benjamin & Co  
PENTA STAIN Wood Treating Chem Co  
PENTECOR Mississippi Glass Co  
PEN-TEX The O'Brien Corp  
PEN-TEX Penn Crete Prods Co  
PENTOX Osmose Wood Preserving  
PEOPLE HEATER Emerson-Pryne Co  
PERF-A-TAPE United States Gypsum Co  
PERFEC-SEAL Reese Metal Weatherstrip  
PERFECTAIRE Perfect Line Mfg  
PERFECTION Arkansas Oak Flooring Co  
PERFECTION Lufkin Rule Co  
PERFECTO Green A P Fire Brick Co  
PERFORALL Woodall Industries Inc  
PERFO-ROUND Cascades Plywood Corp  
PERFO-SQUARE Cascades Plywood Corp  
PERFUSAIRE Auer Register Co  
PERIM-A-BASE Burnham Corp  
PERIMAHEAT Young Radiator Co  
PERIM-A-PACK Burnham Corp  
PERIMETER INSULATION Corson G & W H Inc  
PERLITE Builders Fireplace & Supply  
PERMA BED Biddle Co  
PERMACOUSTIC Johns-Manville Corp  
PERMA-CUSHION Robbins Flooring Co  
PERMA-GARD Gilbert & Bennett Mfg  
PERMAGLAS Smith A O Corp  
PERMA GLAZE Biddle Co  
PERMAGLOSS Thomas Moulding Floor

PERMA-JACKS Perma-Jack Corp  
PERMA-JET Webb Industries  
PERM-ALIGN Cummins Portable Tools  
PERMALINE Line Material Industries  
PERMALITE Great Lakes Carbon Corp  
PERMALUME Shower Door Co of America  
PERMA-LOK Logan-Long Co  
PERMA-NETTING Gilbert & Bennett Mfg Co  
PERMATAB Logan-Long Co  
PERMATITE Durkee-Atwood Co  
PERMATITE General Bronze Corp  
PERMATOP Permagile Corp of America  
PERMA WALL Conver Steel & Wire Co  
PERMA-WALL Logan-Long Co  
PERMISUL Baldwin Hill Co  
PERMITE Permiteco Inc  
PERM-NENT Asphalt Corp of America  
PERMODIP King E F & Co Inc  
PERM-SEAL Asphalt Corp of America  
PERSIANS Watsonstown Brick Co  
PET Portable Electric Tools Inc  
PETCO Petterson J C Corp  
PETER PUTTERS Schalk Chemical Co  
PETROCOTE Thimany Pulp & Paper Co  
PHILGAS Suburban Propane Gas Corp  
PHILPLUG New England Carbide Tool  
PHOENIX Samson Cordage Works  
PIGSKIN Industrial Canvas Prods Corp  
PILGRIM Abrasive Products Inc  
PILOT Flat Metal Mfg Co  
PILOT Johns-Manville Corp  
PINE CRAFT White Pine Sash Co  
PIN-UP Holly-General Co  
PIONEER Pioneer Plastics Corp  
PIONEER Pioneer Casts Corp  
PIPE-SEAL Calbar Paint & Varnish Co  
PITTSBURGH GEM Jones & Brown Inc  
PITTSBURGH INTERLOCK Jones & Brown Inc  
PITTSBURGH LOCK HAMMER Milwaukee Elec Tool Corp  
PLACCO Borden Chemical Co  
PLANET Johns-Manville Corp  
PLANKED GOLDEN HEMLOCK Simpson Logging Co  
PLANKWELD United States Plywood Corp  
PLANTEX United States Plywood Corp  
PLASGON Cabot Samuel Inc  
PLASTEEL Plasteel Products Corp  
PLASTEELITE Plasteel Products Corp  
PLASTER PATCH United Gilsontite Lab  
PLASTER-WELD Larsen Products Corp  
PLASTIC-ARMOR Permagile Corp of America  
PLASTICO Barrett Div  
PLASTICO Douglas & Sturgess  
PLASTICONE FORM TIE Gates & Sons  
PLASTIGLASS Warp Brothers  
PLASTI-GLAZE Plastic Products Co  
PLASTIKOTE Chicago Bronze & Color  
PLASTIMENT Sika Chemical Corp  
PLASTOID Plastic Products Co  
PLASTOLITE Celotex Corp  
PLAST-O-MAT Warp Brothers  
PLASWOOD Southern Plaswood Corp  
PLAX-COTE Lowe Bros  
PLEXCOAT Plextone Corp of America  
PLEXIGLAS Rohm & Haas Co  
PLEXTONE Plextone Corp of America

**PLUG-IN STRIP** National Electric Prods  
**PLUGMOLD** Wiremold Co  
**PLURALITE** Mississippi Glass Co  
**PLYALOY** St Paul & Tacoma Lumber  
**FLY-BORD** Clear Fir Sales Co  
**FLYGLAZE** St Paul & Tacoma Lbr Co  
**PLYMOLITE** Plymold Co  
**PLYMOUTH** Gerber Plumbing Fixtures  
**PLYTEX** Aetna Plywood & Veneer Co  
**FLYWALL** Flywall Products Co Inc  
**POLAR-PAK** Coleman Co Inc  
**POLAR-PRINCE** Coleman Co Inc  
**POLAR WHITE** Linseed Oil Products Co  
**POLEHED MISCO** Mississippi Glass Co  
**POLK-A-DOT** Clipper Mfg Co  
**POLONAISE** Paxten Brick Co  
**POLY-AIRE** American Mat Corp  
**POLY-CHAMP** Ludlow Papers Inc  
**POLY-CHAMP** Tiger Brands Div  
**POLY-EP PLATON** Peterson D J Co  
**POLYFILM** Dow Chemical Co  
**POLY FLOW** Martin-Senour Co  
**POLY-KRAFT** Thilmany Pulp & Paper  
**POLYSOL** Martin-Senour Co  
**POLY VINYL ACRYLATE** Linseed Oil Products Co  
**PORCKLIRON** Ingram-Richardson Mfg  
**PORCEPANELS** Ingram-Richardson Mfg  
**PORC-LIN-PLY** United States Plywood Corp  
**POOL-COTE** Modern Swimming Pool Co  
**POWER-DRIVE** Eveready Brik saw Co  
**PORTO-PLANT** Chain Belt Co  
**POSTOP** Holophane Co Inc  
**POWER HELPER** Metzgar Conveyor Co  
**POWER-LINE** Power Line Sales Inc  
**POWER MASTER** Lewis-Shepard Products Inc  
**POWER SHOP** DeWalt Div AMF  
**POWER-TWIN** Owatonna Tool Co  
**POWER VANE** Chicago Pneumatic Tool  
**POWR-BLADE** Hudson H D Mfg Co  
**POWRMATIC** Kresno-Stamm Mfg Co  
**POWR-FACTOR** Maginnis Power Tool  
**POZZOLITH** Master Builders Co  
**PRACTICAL LUMBER COMPUTER**  
 Craftsman Book Co of America  
**PREMIER** Metal Trims Inc  
**PRESS-O-CEL** Prestite-Keystone Eng  
**PRESSURE JOINT** Robinson Clay Prod  
**PRESSWELD** Cohen Corp  
**PREST-O-MATIC** Clark Door Co Inc  
**PRESTO-PATCH** American Asbestos Prod  
**PRESTO-PATCH** Savegra. Co  
**PRESTO-SEAL** Kaul Clay Co  
**PRESTO-SET** United States Plywd Corp  
**PRIDE** Johnson S C & Son  
**PRIMAFIL** Pratt & Lambert Inc  
**PRIME-FLOW** Goulds Pumps Inc  
**PRIME-MOVER** Prime Mover Co  
**PRISMALUME** Holophane Co Inc  
**PROFI-MATIC** Hudson H D Mfg Co  
**PROPELLAIR** Robbins & Myers Inc  
**PROP-R-TEMP** HEAT PUMPS Typhoon Air Conditioning Co  
**PROSLATE** Bird & Son Inc  
**PROTECTUB** Protectub Inc  
**PROTECTOL** Price Fire & Water Proofing Co  
**PROTEKTINSUL** Devices Inc Miracle  
**PROTEKTO-FLEX** Devices Inc

**PROTEKWOOD** United States Plywood  
**PROTEX** Wayne Chemical Prods Co  
**PROTO TOOL** Proto Tool Div  
**PRY-LITE** Emerson-Fryne Co  
**PRYMALL** Mobile Paint Mfg Co  
**PRYME-SHAKES** Weatherbest Corp  
**PRYME-SHAKES** FYNAL KOLOR Creol-Dipt  
**PULL E-Z** Colson Corp  
**PUMPCRETE** Chain Belt Co  
**PUSH E-Z** Colson Corp  
**PUSHMATIC ELECTRI-CENTERS** Bulldog Electric Prods Co  
**PUTTER KUTTER** J M J Industries Inc  
**PVA SPEED SEALER** Seidlitz Paint  
**PYLETS** Pyle-National Co  
**PYRAMID** Goulds Pumps Inc  
**PYROBAR** United States Gypsum Co  
**PYRODOME** Wasco Products Inc  
**PYROJECTOR** Swartwout Co  
**Q SEAL** Quigley Co Inc  
**QUAKER** Seidlitz Paint & Varnish Co  
**QUALITYBILT** Farley & Loetscher  
**QUEEN CITY** Rishbuilt Manufacturing Co  
**QUICK-CUTTER** Hartmeister Mfg Inc  
**QUICK-MIX** Ohio Lime Co  
**QUICK-NAMEL** Minnesota Paints Inc  
**QUICK FLUG** Beardon Co  
**QUICKSEAL** Standard Dry Wall Prods  
**QUICK SET DADO** Consolidated Mach  
**QUICKSMOOTHER** Thomas Moulding Floor  
**QUICK TIP** Flintkote Co  
**QUICKWALL** Barreled Sunlight Paint  
**QUICKWIRE** Leviton Mfg Co Inc  
**QUICK-WEDGE** Kedman Co  
**QUIET-KOOL** Emerson Radio & Phone  
**QUIK-BILT** Behson Mfg Co  
**QUIKI** Ideal Brass Works Inc  
**QUIK-LIFT** Coffing Hoist Div  
**QUIK-SET** Moore Goodloe E Inc  
**QUIK-SPRAY** Sheffield Bronze Paint  
**QUIK-TEX** Sapolin Paints Inc  
**QUIK-WAY** FURRING CLIPS Peterson Prods Co  
**QUINCY** ARMACLAD Hess Mfg Co  
**RADIA** Shepler Mfg Co  
**RADIAL** McQuay Inc  
**RADIANT RIBBON** Woodside Eng  
**RADIOCALL** C & H Supply Co Inc  
**RAILPORTER** Chain Belt Co  
**RAINBOW ROCK** General Engines Co Inc  
**RAINCHECK** Protection Products Mfg  
**RANCH** Rieter Woodwork Specialty  
**RANCHWOOD** Southwood Corp  
**RANDOMWOOD** United States Plywood  
**RANDO-WALL** Aetna Plywood & Veneer  
**RANGAIRE** Roberts Mfg Co  
**RANGEMASTER** Aubrey Hardware Mfg  
**RANGER** Roberts Mfg Co  
**RANGE-VENTOR** Universal Blower Co  
**RAPIDSEAL** Grabler Mfg Co  
**RAPISTAN** Rapids-Standard Co Inc  
**RAWL DRIVES** Rawplug Co Inc  
**RAWPLUGS** Rawplug Co Inc  
**RAY-O-LITE** Ray-O-Lite Corp  
**RAY VEC** Electrend Products Corp  
**RAZON** Tremco Mfg Co  
**R-BOND** Schlegel Mfg Co  
**READING** Hardware Products Inc  
**READYBUILT** Readybuilt Products Co  
**READY-CUT** Eveready Brik saw Co

**READY HUNG DOORS** Ready Hung Door Corp  
**REALITE** Holophane Co Inc  
**REALOCK** Colorado Fuel & Iron Corp  
**REAL SEAL** Dad & Lad Co  
**RED BRAND** Keystone Steel & Wire Co  
**RED DEVIL** Pecora Inc  
**REDDI-MOUNT** Chesler J & Sons Inc  
**REDEGE** National Electric Prods Corp  
**RED END** Lufkin Rule Co  
**RED END** Simonds Saw & Steel  
**RED-E-PAK** Embassy Steel Prods  
**RED FARM-CHAMP** Ludlow Papers Inc  
**RED FOOT** Roe Justus & Sons  
**RED-I-CUT** Carborundum Co  
**RED-I-POST** Sawhill Tubular Prods  
**RED LABEL** Johnson S C & Son  
**REDI-RAIL** Tennessee Fabricating Co  
**RED SILO-CHAMP** Ludlow Papers Inc  
**RED STREAK** Simonds Saw & Steel Co  
**RED STRIPE** Pittsburgh Plate Glass Co  
**RED TAG** Cyclone Fence Dept  
**RED TANK** Simonds Saw & Steel Co  
**RED TOP** Keystone Steel & Wire Co  
**RED TOP** United States Gypsum Co  
**REDUCIT** The O'Brien Corp  
**REDWOOD** Shuford Mills Inc  
**REDWOODIE** Redwood Garden Mat Co  
**RED WING** Pittsburgh Plate Glass Co  
**REFLECTASHIELD** American Asbestos  
**REFLECTO-BATT** Barrett Div  
**REFLECT-O-RAY** Appleton Coated Paper  
**REFRACT-O-CRETE** Acme Brick Co  
**REFRIGERATED-KOOLER-AIRE** U S Air Conditioning Corp  
**REGAL** Athens Stove Works Inc  
**REGAL** Johns-Manville Corp  
**REGULUX** Tim Manufacturing Co  
**RELCO** Slant-Fin Radiator Corp  
**RELIABLE** Ajax Building Bracket  
**RELIABLE** ABH-Prouty Inc  
**RELIABLE** Rishbilt Mfg Co  
**RELY-ON** Dieks Armstrong Pontius Inc  
**REMCON** Hanson Div Pysamid Instrument  
**REMINGTON** Remington Alum Window  
**REMOV-A-SEAL** Farley & Loetscher  
**RESINIZED SPEED-GRITS** Behr-Manning Corp  
**RESURFO** Beardon Co  
**RETARDO** Moore Benjamin & Co  
**REVALON** Revere Copper & Brass  
**REV-A-SHELF** Lake Drive Products  
**REV-FLO** Sequoia Mfg Co  
**REVO-FILE** Mosler Safe Co  
**REVOLVO** Frick-Gallagher Mfg Co  
**REX** Air Controls Inc  
**REX** Besam Engineering Co  
**REX** Chain Belt Co  
**REXON** Cleveland Heater Co  
**REXALUM** Consolidated General Prod  
**REXGLAS** Cleveland Heater Co  
**REXON** Coddington E D Mfg Co  
**REZ** Monsanto Chemical Co  
**REZO** Paine Lumber Co Ltd  
**REZO-FOLD** Paine Lumber Co Ltd  
**RHINO** Bridgeport Hardware Mfg Corp  
**RHINO** Pecora Inc  
**RIBAC** Harris Mfg Co  
**RIBBON** Woodside Engineering Co  
**RIBFORM** Inland Steel Products Co

RICHBEAD Richkraft Co  
 RICHDUCTS Richkraft Co  
 RICHFLEX Richkraft Co  
 RICHKRAFT Richkraft Co  
 RICHLITE Richkraft Co  
 RICHTUBES Richkraft Co  
 RICHVODS Richkraft Co  
 RIDGEGROOVE Masonite Corp  
 RIDGELINE Masonite Corp  
 RIDGOLATOR Klauer Mfg Co  
 RIGID-EX Inland Steel Products Co  
 RIGID-TEX METAL Rigidized Metals Corp  
 RIMCO Rock Island Millwork Co  
 RIPPLE-FIN-RIPPLE-TUBE McQuay Inc  
 RIPPLEWOOD Georgia Pacific Corp  
 RIST-O-KRAT Acera Mfg Co  
 RITE-ON-BLACK Sapolin Paints Inc  
 RITE-ON-GREEN Sapolin Paints Inc  
 RITWAY Beauti-Dor Inc  
 RIVIERA Heinleys Movable Shutters  
 RIVIERA Webster Warren & Co  
 RIW AIRTOX Toch Bros  
 RIW FLINTOX Toch Bros  
 RIW IRONTOX Toch Bros  
 RIW MARINE CEMENT Toch Bros  
 RIW PLUGALEAK Toch Bros  
 RIW RESISTOX Toch Bros  
 RIW ROCKTOP Toch Bros  
 RIW SUPER TOXLOXPORE Toch Bros  
 RIW TOXCOMIX Toch Bros  
 RIW TOXEMENT Toch Bros  
 RIW TOXKURE Toch Bros  
 RIW TOX-SHADE Toch Bros  
 RIW 232 Toch Bros  
 R & M Robbins & Myers Inc  
 R & M-HUNTER Hunter Div  
 RM CASEMENT R-M Millwork Corp  
 ROBCO Robinson Brick & Tile Co  
 ROBIN HOOD Meridian Wood Prods Co  
 ROCK CORK Johns-Manville Corp  
 ROCKET Round David & Son Inc  
 ROCKET 1000 Grant Pulley & Hardware  
 ROCKET 6000 Grant Pulley & Hardware  
 ROCKLATH United States Gypsum Co  
 ROCK-TEX Rockcote Paint Co  
 ROCOP Rome-Turney Radiator  
 RODDISCRAFT Roddis Plywood Corp  
 ROE WHITE LINE Roe Justus & Sons  
 ROILINE Waukesha Motor Co  
 ROLL-AWAY Rudiger-Lang Co  
 ROLLAWAY Frantz Mfg Co  
 ROLL-EEZ Junior-Pro Prods Co  
 ROLL-OR-WHEEL Buschman E W Co  
 ROL-TOP Kinnear Mfg Co  
 ROL-TITE Consoweld Corp  
 ROLLTITE CEMENT Midcontinent Adhesive  
 ROLY-DOOR Morrison Steel Prods  
 ROMAN BRONZE Revere Copper & Brass Inc  
 ROMANCRETE General Concrete Prods  
 ROMANY-SPARTON U S Ceramic  
 ROMAR Romar Filter Corp  
 ROMEX General Cable Corp  
 ROMEX-UF General Cable Corp  
 ROOFINSUL Johns-Manville Corp  
 ROOFMASTER Carey Philip Mfg Co  
 ROOM MATES York Wall Paper Co  
 ROSEMOLD Midland Brick & Tile Co  
 ROTARY Swartwout Co  
 ROT-STOP Rockcote Paint Co

ROTO-GLO Pass & Seymour Inc  
 ROTO-TROWEL Stow Mfg Co  
 ROTO-WAITERS Sedgwick Machine Wks  
 ROTOWOOD Parkwood Laminates Inc  
 ROUNDEL Mondial United Corp  
 ROUNDVENT Webb Mfg Co Inc  
 RO-WAY Rowe Mfg Co  
 ROYAL Alumatic Corp of America  
 ROYAL Chattanooga Royal Co  
 ROYAL Cressett Lumber Co  
 ROYAL Sloan Valve Co  
 ROYALCOTE Masonite Corp  
 ROYAL EAGLE Eagle Rule Mfg Corp  
 ROYALFOLD Curtition Corp  
 ROYAL (Heaters) Chattanooga Royal Co  
 RUBBERCOAT Wilbur & Williams Co  
 RUBBERCOTE Thomas Moulding Floor Co Inc  
 RUBBERLIKE Bird & Son, Inc  
 RUBBERLOCK Mitchell Rubber Prods  
 RUB-R-BOND Elliott Paint & Varnish  
 RUGASOL Silka Chemical Corp  
 RUGBY Standard Brick & Tile Corp  
 RULANE Suburban Propane Gas Corp  
 RUNWELL Frantz Mfg Co  
 RUSCO Russell F C Co  
 RUSTBAAR Horn A C Companies  
 RUSTEX Elliott Paint & Varnish  
 RUSTGO Stay-Tite Products Co  
 RUST-OLEUM Rust-Oleum Corp  
 RUDD ALCOA ALLOY Ruud Mfg Co  
 RUUDIATOR Ruud Mfg Co  
 R-V LITE Arvey Corp  
 R-V-TEX Arvey Corp  
 SBP Burnham Corp Berger Furnace Div  
 S I S Barrett Div Allied Chemical Corp  
 SABINITE United States Gypsum Co  
 SACHEM Samson Cordage Works  
 SAFE Safe Padlock & Hdwe Co  
 SAFE-T-TAPS Keystone Mfg Co  
 SAFE-T-TREAD RCA Rubber Co  
 SAFETY PULL Coffing Hoist  
 SAFETY-STEP Goodrich B F Co  
 SAFETY-WALK Minnesota Mining  
 SAF-SHORE Safway Steel Prods Inc  
 SAF-T-CUT Bay State Abrasive Prods  
 SAF-T-HOT Hedges M M Mfg Co  
 SAFTI-VENT Little H C Burner Co  
 SAF-T-LOK Bell Electric Co  
 SAF-T-LOK Bestwall Certain-tyed Sales  
 SAF-T-SWING Safway Steel Products  
 SAFWAY SHORES Safway Steel Prods  
 SAKAR Elliott Bay Mill Co  
 SALEM Johns-Manville Corp  
 SALEM LINE Irmanton Products Co  
 SAMARA United States Plywood Corp  
 SAMCO Syral Mfg Co  
 SAMPSON Richbilt Mfg Co  
 SANACOUSTIC Johns-Manville Corp  
 SANDMASTER "S" Atlas Floor Surfacing  
 SAND-O-FLEX Merit Products Inc  
 SAND-O-MAJIC Curtition Corp  
 SAN-EQUIP Yega Industries Inc  
 SANI-CART American Conveyor Co  
 SANI-FLAT Moore Benjamin & Co  
 SANI FLOOR Hollaender Mfg Co  
 SANI-KLEEN Hudson H D Mfg Co  
 SANIMASTER Ruud Mfg Co  
 SANITONE American Asbestos Prod Co  
 SANTA CLARA Permanente Cement Co  
 SANTOBRITE Monsanto Chemical Co  
 SARALLOY 400 Dow Chemical Co

SARAN-LINED Dow Chemical Co  
 SARGENT Sargent & Co  
 SASHCO Southern Sash Sales & Supply  
 SATEEN The O'Brien Corp  
 SATIN GLO Sunbeam Plastics Corp  
 SATINHIDE Pittsburgh Plate Glass Co  
 SATINLAC United States Plywood Corp  
 SATIN-LUX Patterson-Sargent Co  
 SATIN SHEEN Chicago Bronze & Color  
 SATINTEX Seidnitz Paint & Varnish  
 SATINTONE Seidnitz Paint & Varnish  
 SATUROCK Carter-Waters Corp  
 SAVABRUSH Schalk Chemical Co  
 SAV-A-DOR Ludwig Mfg Co Inc  
 SAV-A-SCREEN Farley & Loetscher  
 SCENERAMIC Oro Mfg Co  
 SAW MASTER Master Woodworker Mfg  
 SCATTER TWEED Wallace Mfg Co  
 SCOOPMOBILE Mixermobile Mfrs  
 SCOOT-CRETE Getman Brothers  
 SCORBORD Dow Chemical Co  
 SCOTCHRAP Minn Mining & Mfg  
 SCOTSMAN Kennatrack Corp  
 SCOTTIE Kennatrack Corp  
 SCOUT Slaymaker Lock Co  
 SCREENLOK Safetee Glass Co  
 SCREENMASTER-STANDARD Engineered Prods Co  
 SCREEN-N-CLOSURE Miami Metal Weatherstrip  
 SCREEN-O-MATIC Lockhart Mfg Corp  
 SCREW-SEAL Robinson Clay Product Co  
 SCREW-TITE NAILS Independent Nail & Packing Co  
 SCRIBO Bestle Mfg Co  
 SCRUGUN Black & Decker Mfg Co  
 SCRUI-LEADS Rawplug Co Inc  
 SCUF-CHAMP Ludlow Papers Inc  
 SCULPTURA Woodward Lee L Sons  
 SEA SWIRL United States Plywood Corp  
 SEADRIFT Masonite Corp  
 SEAL-A-DOOR Seal-A-Door Co  
 SEAL-ALL CLIPS Seal-All Clip Co  
 SEAL-A-MATIC Superior Window Co  
 SEAL-BOND Vita-Var Corp  
 SEALD LIGHT Coddington E D Mfg Co  
 SEAL-DRAFT Sun Screen Products Co  
 SEAL-DRI The O'Brien Corp  
 SEAL-EAZ Precision Weatherstrip Co  
 SEAL-FOIL Sealtite Insulation Mfg  
 SEALGLAS Logan-Long Co  
 SEALGLAS Sealtite Insulation Mfg  
 SEALIT Sullivan Co  
 SEAL-KOTE Wooster Sealkote Co  
 SEALMASTER Ida Products Co  
 SEAL-O-CEDAR Aloha Lumber Corp  
 SEAL-O-MATIC Johns-Manville Corp  
 SEAL-PLY Vita-Var Corp  
 SEALTIGHT Meadows W R Inc  
 SEAL-TITE Starline Inc  
 SEAL-TREAT American Asbestos Prod  
 SEASONMAKER McQuay Inc  
 SEASON-MASTER McQuay Inc  
 SECRET SERVICE Master Lock Co  
 SECTIONFOLD DOORS Wilson J G Corp  
 SECURIT Blue Ridge Glass Corp  
 SECURITY Resolute Corp  
 SECURITY (Doors) Cole Mfg Co  
 SECURITY ROOFING National Mfg  
 SECURITY SIX Slaymaker Lock Co  
 SEDCON Sterling Electronic Co  
 SED-N-COTE Seddon Co

SED-N-SEAL Seddon Co  
 SED-N-SET Seddon Co  
 SED-N-SHADE Seddon Co  
 SELCKRAFT Selck Walter E & Co  
 SELECTAIR Johnson S T Co  
 SELF-CONTAINED WEATHERMAKER  
 Carrier Corp  
 SELF SEAL United Industries Inc  
 SELF-SETERING Trucon Steel Div  
 SENIOR Sun Valley Industries Inc  
 SENTINEL Allied Metals Inc  
 SENTINEL General Water Heater  
 SENTINEL Speakman Co  
 SENTRY DOOR SEAL Sentry Stop-A-  
 Draft  
 SEQUIN Congoleum-Nairn Inc  
 SEQUOIA Holmes Eureka Lumber Co  
 SEQUOIA Redwood Sales Co  
 SERVANET Hyde Park Products Co  
 SERVICE-MASTER McCabe Powers  
 Body  
 SERVICE-WAY Vega Industries Inc  
 SETFAST Cambridge Tile Mfg Co  
 75 HOUSE PAINT The O'Brien Corp  
 SEWERTITE Carey Philip Mfg Co  
 S G CORK TILE Dodge Cork Co Inc  
 SHADE SCREEN Rudiger-Lang Co  
 SHADO-KAST Protective Products Co  
 SHADO-SHAKE Supradur Corp of N Y  
 SHADOWBESTOS Johns-Manville Corp  
 SHADOWLAP Celotex Corp  
 SHADOWLINE Long Fir Gutter Co  
 SHADOWVENT SIDING Masonite Corp  
 SHAKERTOWN Shakertown Corp  
 SHALLOW-FLOW Goulds Pumps Inc  
 SHAM-ROCK Masonry Waterproofing  
 SHARP ALL Belsaw Machinery Co  
 SHASTA Weoster Brush Co  
 SHASTETTE Weoster Brush Co  
 SHAWNEE 88 Shawnee Mfg Co Inc  
 SHEDWELL Frantz Mfg Co  
 SHEETROCK United States Gypsum Co  
 SHELBY Columbia-Geneva  
 SHELV-IT-ALL Hirsch S A Mfg Co  
 SHERARDUCT National Electric Prods  
 SHERMAN-NAPCO Sherman Prods Inc  
 SHIELDALL Textron Metals Co  
 SHIRLEY Shirley Corp  
 SHOJI GRILLES Heinleys Movable Shut-  
 ters  
 SHOPMATE Portable Elec Tools  
 SHORGAS Suburban Propane Gas Corp  
 SHOVELAIRE C & H Air Cond Fan Co  
 SHOWERITE Efron Theodore Mfg Co  
 SHOWER-PROOF Calbar Paint & Var-  
 nish Co  
 SHOWLINE Hirsch S A Mfg Co  
 SHUFORD Shuford Mills Inc  
 SHUREBOND UNIT SYSTEM Goldsmith  
 Metal Lath Co  
 SHURE-SET Ramset Fastening System  
 SHUR-STEP Mayes Bros Tool & Mfg  
 SHURTAPE Shuford Mills Inc  
 SHUR-TRED Johnson S C & Son Inc  
 SI-CLONE Simonds Saw & Steel Co  
 SIERRA Flat Metal Mfg Co  
 SI-FLO Speakman Co  
 SIGNAL Signal Electric  
 SIGUNIT Sika Chemical Corp  
 SIKACRETE Sika Chemical Corp  
 SIKA-GARD Sika Chemical Corp  
 SIKAL SEAL Sika Chemical Corp

SILACOAT American Asbestos Product  
 SILATEX Tamms Industries Co  
 SILCOTITE Ceresit Waterproofing Corp  
 SILENT GLIDE Weatherproof Prods  
 Corp  
 SILENT KNIGHT White Rodgers Co  
 SILENTEX Chicago Spring Hinge Co  
 SILENTITE Curtis Companies Inc  
 SILENTVANE Westinghouse Electric  
 SILICONE SEAL Penn Crete Prods Co  
 SILICONE X-5 Elliott Paint & Varnish  
 SILICONIZ Lockrey Co  
 SILIPHANE Siliphane Corp of America  
 SILITEX S F Siliphane Corp of America  
 SIL-O-ETT United States Gypsum Co  
 SILVACEL Weyerhaeuser Lumber Co  
 SILVER-CHAMP Ludlow Papers Inc  
 SILVER LINE Union Machine Co  
 SILVER SENTINEL Slaymaker Lock Co  
 SILVER STEEL Atkins E C Div Borg-  
 Warner  
 SILVERSTAR Alumatic Corp of America  
 SIMBA Tubular Structures Corp  
 SIMPLEX Mansfield Sanitary Inc  
 SIMPLEX Bevere Copper & Brass Inc  
 SIMPLEX FOLDING STAIRWAY Pre-  
 cision Parts Corp  
 SIMP-L-ON Conver Steel & Wire Co  
 SINKETTE Elkay Mfg Co  
 SIOUX Albertson & Co Inc  
 SISALATION American Sisalkraft Corp  
 SISALITE American Sisalkraft Corp  
 SISALKRAFT American Sisalkraft Corp  
 #633 TILE ADHESIVE Tamms Industries  
 #1 Pratt and Lambert Inc  
 SIZE-O-MATIC Leigh Bldg Prods Div  
 SKID-LOADER Drott Mfg Corp  
 SKID-SHOVEL Drott Mfg Corp  
 SKILSAW Skil Corp  
 SKIP-A-TOOTH American Saw & Mfg  
 SKIPPER Flat Metal Mfg Co  
 SKOTCH Superior Fastener Corp  
 SKUFFRUF Richkraft Co  
 SKUTTLE-AIRE Skuttle  
 SKY-BLAST Rebbins & Myers Inc  
 SKYDOME Wasco Products Inc  
 SKY-GLO Benjamin Electric Co  
 SKYHOOK Jones Roof Structures Inc  
 SKYHOOK Pointer-Willamette Co Inc  
 SKYLIKE Silvray Lighting Inc  
 SKY-LITER Benjamin Electric Co  
 SKYMASTER Acme Equipment Co  
 SKY-MASTER McCabe Powers Body Co  
 SKYTEX Bestwall Certain-Teed Sales  
 SKYTROL Pittsburgh Corning Corp  
 SLATEKOTE Johns-Manville Corp  
 SLENDER Dunkirk Radiator Corp  
 SLIDAROL Ida Products Co  
 SLIDE-O-MATIC Storm King Corp  
 SLIDE-O-RAMIC Wiseo Inc  
 SLIDERITE Grant Pulley & Hdw Corp  
 SLIK-TYPES LIME Ash Grove Lime  
 SLIMFOLD American Steel Door Co  
 SLIP-JOINT Logan Clay Prods Co  
 SLUMPSTONE General Concrete Prod-  
 ucts Inc  
 SMALMESH Inland Steel Products Co  
 SMART SET DELUXE Consolidated  
 Genl Prod  
 SMITH & EGGE Turner & Seymour Mfg  
 SMITHMOBILE Smith T L Co

SMOGMMASTER Incineration Div  
 SMOOTH-AIRE Ideal Brass Works Inc  
 SMOOTHGRAIN Johns-Manville Corp  
 SMOOTHFORM United States Plywood  
 Corp  
 SMOOTHLITE Insulte Co  
 SNAPCALK Seal Rite Caulking Co  
 SNAPICOLK Wiermold Co  
 SNAP-JOINT Vitacalc Co of America  
 SNAPLOK Reeves Steel & Mfg Co Div  
 SNAP-ON Ideal Brass Works Inc  
 SNOW DRIFT United States Gypsum Co  
 SNOW WHITE Tamms Industries Co  
 SNUG FIT Paine Co  
 SNUG-ITTE Engineered Prods Co  
 SODIUM NITRATE Solvay Process  
 SOFTITE Wheeling Steel Corp  
 SO HARD SCREWS Southington Hard-  
 ware Div  
 SOLAR Sunbeam Plastics Corp  
 SOLAR SHADES Superior Window Co  
 SOLARGRAY Pittsburgh Plate Glass Co  
 SOLEX Pittsburgh Plate Glass Co  
 SOLIDEX Pratt & Lambert Inc  
 SOLIDOR Farley & Loetscher Mfg Co  
 SOLIDWOOD Hardwood Corp of America  
 SOLITE Oro Mfg Co  
 SOLO-TROC Sterling Faucet Co  
 SOLRAY Well-McLain Co  
 SONITE Smooth-On Mfg Co  
 SONOAIRODUCT Senoco Prods Co  
 SONOCOR Owens-Corning Fiberglass  
 SONOFACED Owens-Corning Fiberglass  
 SONOLASTIC L Sonneborn Sons Inc  
 SONOMEND L Sonneborn Sons Inc  
 SONOPATCH L Sonneborn Sons Inc  
 SONOSHEEN L Sonneborn Sons Inc  
 SONOTUBE Senoco Prods Co  
 SOUNDBILT Puget Sound Plywood Inc  
 SOUTHERNER Norman Prods Co  
 S P SUPREME Southern Pine Lumber Co  
 SPACEMASTER Lewis-Shepard Products  
 SPACEMASTER New Castle Products Inc  
 SPACE-SAVER GIANT Wood Specialty  
 Prods Inc  
 SPACESAVER Payne Co  
 SPAKO-PATCH Tamms Industries Co  
 SPAN Heward Mfg Co  
 SPANCRETE West Allis Concrete Prods  
 SPANRELITE Pittsburgh Plate Glass  
 SPARTAN Mansfield Sanitary Inc  
 SPARTAN Partner S Hdw Mfg Corp  
 SPECIAL 12 Johnson S C & Son  
 SPECIAL 16 Johnson S C & Son  
 SPECIALMESH Inland Steel Prods Co  
 SPECIFICATION Barrett Div  
 SPECTRIM Pittsburgh Plate Glass Co  
 SPECTRO-MATIC TINTING SYSTEM  
 Rockcrete Paint Co  
 SPECTRO-MATIC WOOD TONES Rock-  
 crete Paint Co  
 SPEE-DEE Dalton Mfg Co  
 SPEED Louisville Cement Co  
 SPEED Speedway Mfg Div  
 SPEEDAIRE Dayton Electric Mfg Co  
 SPEED-BARROW American Conveyor Co  
 SPEEDCAT Mead Specialties Co  
 SPEED CLIPS Tinnerman Products Inc  
 SPEEDECK Mobile Paint Mfg Co  
 SPEE DEE PRINTER Peck & Harvey  
 Mfg Corp  
 SPEED LOADER Macklanburg-Dunear

SPEEDMASTER Peck & Harvey Mfg  
 SPEEDMOUNT Bell Electric Co  
 SPEED NUTS Tinnerman Products Inc  
 SPEED-RAIL Hollaender Mfg Co  
 SPEEDRIL Lockwood Hardware Mfg Co  
 SPEEDTILE Rockford Brick & Tile Co  
 SPEED-WET METALITE Behr-Manning Corp  
 SPEEDY SPRAYERS Brown W R Corp  
 SPENCER Spencer Heater Lyecoming Div  
 SPIB 77 Southern Pine Lumber Co  
 SPIN-A-BRUSH Portable Elec Tools  
 SPINCOUSTIC Johns-Manville Corp  
 SPINDRIER Easy Laundry Appliance  
 SPINTEK Johns-Manville Corp  
 SPIRALPLEX Caldwell Mfg Co  
 SPIRAL Maze W H Co  
 SPIRALATOR AUTOMATIC WASHER  
 Easy Laundry Appliance  
 SPIREX Caldwell Mfg Co  
 SPIROLOC Universal Form Clamp Co  
 SPITFIRE Abrasive Products Inc  
 SPLASH VALLEY Tennison Bros Inc  
 SPLURGE United Gilsonite Labs  
 SPOT Samson Cordage Works  
 SPOTAIRE Drayson-Hansen Div  
 SPRAYIT Thomas Industries Inc  
 SPRAY-SEAL Linseed Oil Products Co  
 SPRAYSHIELD Lehman Sprayshield Co  
 SPREAD-HEAT Barber Mfg Co  
 SPREAD-EASY Debs Decorators  
 SPRED GLIDE-ON Glidden Co  
 SPRED PATCH Glidden Co  
 SPRED SATIN Glidden Co  
 SPRED STRIPPLE-TEXTURE Glidden Co  
 SPRED STIPPLE-TEXTURE Ajax Hdwe  
 SPRINGALLOY National Metal Prods  
 SPRINGFLEX Dennis W J & Co  
 SPRING LOCK Tilley John S Ladders  
 SPRING-TITE Weatherproof Prods Corp  
 SPRING WING Payne Co  
 SPUN FIRM Gilman Bros Co  
 SQUARE-FIN Slant-Fin Radiator Corp  
 SQUARE GEE Grabler Mfg Co  
 SQUAREHED NAILS Independent Nail  
 & Packing  
 STABREAKER Federal Pacific Electric  
 STAB-LOK Federal Pacific Electric  
 STAFCO Stafco Products Corp  
 STAHL Stahl Metal Prods  
 STAINTOX Abestos Mfg Co  
 STAIR-CHAIRS Sedgwick Machine  
 Works  
 STAIR-TRAVELORS Sedgwick Machine  
 Works  
 STALLPACK Carthage Marble Corp  
 STA-LOCK Celotex Corp  
 STAND-ALL Simonds Saw & Steel Co  
 STANDARD Lanebro Mfg Co  
 STANDARD Shelby Metal Prods Co  
 STANDARD Sheridan Press Brick  
 STANDARD CORK TILE Dodge Cork  
 Co Inc  
 STANDARD DUOLOX Masonite Corp  
 STANDARD-FLUSH DOOR Hardwood  
 Products Corp  
 STANDARD I-F.B. Green A P Fire  
 Brick  
 STANDARD PRESWOOD Masonite  
 Corp  
 STANDARD-SPEED MASTER Handley-  
 Brown Heater Co

STANLEY-HANDYMAN Stanley Tools  
 STAR Richbilt Mfg Co  
 STARALUM ALCLAD Hanover Wire  
 Cloth Div  
 STAR BRAND Turner & Seymour Mfg  
 STARBRITE Hanover Wire Cloth Div  
 STARCLOSIN Star Expansion  
 STARCOR Lone Star Cement Corp  
 STARCK Gagnon Clay Products Co  
 STAR DRYVIN Star Expansion Industries  
 STAR GLASDRILL Star Expansion In-  
 dustries  
 STAR HAMRFLUTE Star Expansion In-  
 dustries  
 STARLIFE Hanover Wire Cloth Div  
 STAR LIGHT Thomas Industries Inc  
 STARLINE O'Keefe & Merritt Co  
 STAR PINGRIP Star Expansion Indus-  
 tries  
 STA-TITE Sta-Stite Inc  
 STAY BLACK The W W Henry Co  
 STAYBRITE Horn A C Companies  
 STAY CLEAN Shuford Mills Inc  
 STAY-RIB Inland Steel Products Co  
 STAY-STRATE United States Plywood  
 STAZON Plastic Products Co  
 STEAROLITH Master Builders Co  
 STEELBINDER Gerrard A J & Co  
 STEEL-FASHIONED Walters Mfg Co  
 STEELITE Clopay Corp  
 STEELMASTER Stanley Tools  
 STEEL-PAK Slant-Fin Radiator Corp  
 STEEL PAN Cucker Mfg Co  
 STEELTEX Pittsburgh Steel Co  
 STEEL-X Taber Bushnell & Co Inc  
 STEEP-SLOPE Bennett-Ireland Inc  
 STEP SAVER Schenck William & Co  
 STERGLAZE Sterling Quality Products  
 STERLING Waldorf Heater Co  
 STEWART-AIRE Stewart Industries Inc  
 STILEMAKER Russell & Erwin Div  
 STILEMANOR Russell & Erwin Div  
 STILE MATE Grand Rapids Hardware Co  
 STILLE-YOUNG Chicago Bronze & Color  
 STIL-WITE Moore Benjamin & Co  
 STOKER-VEYOR American Conveyor Co  
 STONE-DRI Sapolin Paints Inc  
 STONEFIL Thomas Moulding Floor  
 STONESULITE Bestwall Certain-Teed  
 STONEWALL BOARD Ruberoid Co  
 STOP GAP Sapolin Paints Inc  
 STOP IT Tamms Industries Co  
 STOR-MASTER Textron Metals Co  
 STORMGUARD Maze W H Co  
 STORMTIGHT L Sonneborn Sons Inc  
 STOV-MASTER Textron Metals Co  
 STOWAWAY Lennox Industries Inc  
 STRADDLE TRUCK Hyster Co  
 STRAN-MASTER Stran-Steel Corp  
 STRAPBINDER Gerrard A J & Co  
 STREAMLINE Mueller Brass Co  
 STREAMLINER Ferguson Harry J Co  
 STREAMLINER (Sander) Holt Mfg Co  
 STRONG BOY Master Lock Co  
 STRONGBARN Granite City Steel Co  
 STRONGBORD Johns-Manville Corp  
 STRONGHOLD NAILS Independent Nail  
 & Packing Co  
 STRUCTO Colson Corp  
 STRUCTOGLAS A International Molded  
 Plastics

STRUCTOGLAS S.E. International Mold-  
 ed Plastics  
 STRUCTOLITE United States Gypsum Co  
 STRUTWALL Andersen Corp  
 STRYPEEZE Savogran Co  
 STUBBY Holly-General Co  
 STUBBY (Lock) Master Lock Co  
 STUD JACKS Superior Scaffold Co  
 STUD-PAK U S Mineral Wool Co  
 STURDIBOLT Hercules Fastener Co  
 STURDY Calder Mfg Co  
 STYLE-TREND Curtis Companies Inc  
 STYLELINE Toledo Desk & Fixture Co  
 STYLMARK Designware Industries Inc  
 STYLMASTER Buffalo Wallcraft Co Inc  
 STYLETON E Baldwin Hill Co  
 STYLUX Butler Mfg Co  
 STYROFOAM Corson G & W H Inc  
 STYROFOAM Dow Chemical Co  
 SUBMERGA Red Jacket Mfg Co  
 SUBURBAN Ruberoid Co  
 SUBURBAN (Range) Samuel Stamping  
 SUB-ZERO Sub Zero Freezer Co Inc  
 SUDDEN DEPTH Payne Co  
 SULCO Sullivan Co  
 SUNDIAL Slant-Fin Radiator Corp  
 SUNNYBASE Crane Co  
 SUNNYDAY Crane Co  
 SUNNYLAND Crane Co  
 SUN-PROOF Pittsburgh Plate Glass Co  
 SUNRAY Congoleum-Nairn Inc  
 SUNRAY National-U S Radiator Corp  
 SUNTILE Cambridge Tile Mfg Co  
 SUNTROL Pittsburgh Corning Corp  
 SUN VALLEY Arkla-Serrel Corp  
 SUN WARM Sunwarm Inc  
 SUPERB Sunbeam Plastics Corp  
 SUPERBOW American Roof Truss  
 SUPERCEDAR Brown George C & Co  
 SUPERCCEL Reardon Co  
 SUPER CLEANSER Solvay Process  
 SUPERFAN Queen Stove Works Inc  
 SUPERFAST Superior Fastener Corp  
 SUPER-FINE L-O-F Glass Fibers Co  
 SUPER FLAME Superflame Queen Prods  
 SUPERFLAME Queen Stove Works Inc  
 SUPER FLASH Allied Compositions Co  
 SUPERFLEX Congoleum-Nairn Inc  
 SUPERFLO Payne Co  
 SUPER-HARBORD Harbor Plywood  
 Corp  
 SUPERKLEEN Devoe & Reynolds Co  
 SUPER KOVERWALL Standard-Tech  
 Chemicals  
 SUPER KROME Sheffield Bronze Paint  
 SUPER MATIC Clipper Mfg Co  
 SUPER MEZURALL Lufkin Rule Co  
 SUPER POWER Coffing Hoist  
 SUPER SANITAS Standard Coated Prods  
 SUPER SATIN SURFACE General Ply-  
 wood Corp  
 SUPER SAW RCS Tool Corp  
 SUPERSEAL Barland Weatherstrip Mat  
 SUPERSHEATH General Cable Corp  
 SUPER 16 Johnson S C & Son  
 SUPER-SOLID Morgan Co  
 SUPERSPEED American Floor Mach Co  
 SUPERSPEED Ruud Mfg Co  
 SUPER-TITE United States Gypsum Co  
 SUPER-TURBINE Decatur Pump Co  
 (See page 7 for continuation of  
 brand names)

This directory of prefabbers lists their services, models, financial set-ups. Home manufacturers are listed alphabetically, by state, to help you choose the firm best serving your needs and locality. 



This seal indicates membership in the Home Manufacturers' Assn. For information write: 710 17th St., N.W., Washington, D.C.

## ALABAMA

### LUMBER FABRICATORS, INC.

Fort Payne, Ala.  
Distribution Radius: 700 miles  
No. Basic Plans: 24 models  
Package Price: \$7,500 to \$22,000  
Sales Policy: sales representatives and builder-dealers  
Delivery Time: approximately 14 days  
Financing: various methods  
Description: colonial, contemporary and traditional styles. Floor area from 800 to 1,650 sq. ft. Includes exterior wall panels, plumbing and heating, doors and windows, exterior trim and roofing.  
Literature: for information, circle No. A271 on reply card, p. 20

## CONNECTICUT

### FEDERAL HOMES CORPORATION

Box 686, Canaan, Conn.  
Distribution Radius: 350 miles  
No. Basic Plans: 18; models: 72  
Package Price: \$4,000 to \$8,000 f.o.b.  
Sales Policy: builders, dealers  
Minimum Order: none  
Delivery Time: two weeks  
Financing: 5% deposit; bank letter of credit; incentive discounts  
Description: siding and sheathing applied; windows in sections; interior partitions; roof trusses; complete gables; prefinished oak floor; prehung doors.  
Literature: for information, circle No. A272 on reply card, p. 20

## DISTRICT OF COLUMBIA

### BARBER & ROSS CO.

2323 4th St., N.E., Washington, D.C.  
Distribution Area: D.C., Del., Md., Pa., Va., W. Va.  
No. Basic Plans: seven  
Package Price: \$8,500 to \$30,000  
Sales Policy: builders, individuals  
Delivery: free within 100 miles

Financing: various methods  
Description: rambler, Cape Cod and split-levels in 2-, 3-, and 4-bedrooms. Floor area from 860 to 1,780 sq. ft. Exterior finish can be individually chosen by buyer.  
Literature: for information, circle No. A273 on reply card, p. 20

## FLORIDA

### TRENDLINE COMPONENTS, INC.

Div. of Florida Builders, Inc., 700 43rd St., S., St. Petersburg, Fla.  
Distribution Radius: Florida  
No. Basic Plans: 25; models: 40  
Package Price: \$1,500 to \$5,000 f.o.b.  
Sales Policy: builders, contractors  
Minimum Order: one per month  
Delivery Time: seven days  
Financing: C.O.D.; letter of credit; special arrangements  
Description: exterior and interior panels with doors and windows; roof trusses; precut sheathing; kitchen cabinets; complete masonry packages.  
Literature: for information, circle No. A274 on reply card, p. 20

## GEORGIA

### KNOX CORPORATION

125 Fulton Federal Bldg., Atlanta, Ga.  
Distribution Area: Southeast  
No. Basic Plans: 25  
Package Price: \$9,000 to \$45,000 f.o.b.  
Sales Policy: builder-dealers, retail sales organization in plant area  
Minimum order: one  
Delivery Time: seven days  
Financing: company assistance  
Description: house floor area is from 816 to 2,246 sq. ft. Models are ranch, contemporary, traditional, split-level. From two to four bedrooms.  
Literature: for information, circle No. A275 on reply card, p. 20

## ILLINOIS

### W. G. BEST HOMES CO.

U.S. 45, S., Effingham, Ill.  
Distribution Radius: 350 miles  
No. Basic Plans: 15; models: 500  
Package Price: \$2,245 to \$9,180 f.o.b.  
Sales Policy: builders  
Minimum Order: varies with area  
Delivery Time: ten days  
Financing: 30- or 60-day commitments  
Description: walls of 2 x 4 construction with insulation and windows installed. Kitchen cabinets, wiring, trusses.

Literature: for information, circle No. A276 on reply card, p. 20

### CRAFT WAY, INC.

850 Rathbone Ave., Aurora, Ill.  
Distribution Radius: 250 miles  
No. Basic Plans: 15  
Package Price: \$3,000 to \$8,000 f.o.b.  
Sales Policy: builders, dealers  
Minimum Order: one  
Delivery Time: ten days  
Financing: complete financing for models; letter of commitment  
Description: conventional type construction, with exterior, interior panels, insulation, siding, windows installed. Doors prehung; floor systems precut; stairs assembled.  
Literature: for information, circle No. A277 on reply card, p. 20

### GBH-WAY HOMES, Inc.

Walnut, Ill.  
Distribution Radius: Ill., Ind., Iowa, Mich., Wis.  
No. Basic Plans: 50  
Package Price: \$7,500 to \$55,000  
Sales Policy: franchised builders  
Minimum Order: none  
Delivery Time: about 10 to 30 days  
Description: ranch and split-level styles with two to five bedrooms. Floor area from 640 to 3,500 sq. ft. Also motels, small churches, multiple-unit and duplex houses.  
Literature: for information, circle No. A278 on reply card, p. 20

### GOLD STAR HOMES, INC.

P.O. Box 224, Rome, Ill.  
Distribution Area: Ill., Ind., Iowa  
No. Basic Plans: 50; models: 75  
Package Price: \$10,000 to \$25,000 f.o.b.  
Sales Policy: builders, individuals  
Minimum Order: one  
Delivery Time: ten days  
Financing: 60 days net discount  
Description: large exterior wall sections, complete with siding material; trusses or precut roof construction; interior partitions; prefinished kitchen cabinets; flooring.  
Literature: for information, circle No. A279 on reply card, p. 20

### STYLECRAFT HOMES, INC..

1032 Lee St., Des Plaines, Ill.  
Distribution Radius: 500 miles  
No. Basic Plans: five; unlimited choice of models  
Package Price: \$3,300 to \$5,100 f.o.b.  
Sales Policy: builders, dealers  
Delivery Time: ten days  
Financing: FHA; conventional; model  
Description: factory-engineered package

is designed to give builder flexible choice and speed in erection.  
Literature: for information, circle No. A280 on reply card, p. 20

#### THURO-BILT HOMES

Fairbury, Ill.  
Distribution Radius: 300 miles  
No. Basic Plans: 14; models: 84  
Package Price: \$2,900 to \$8,000 f.o.b.  
Sales Policy: builders  
Minimum Order: one  
Delivery Time: ten to 14 days  
Financing: FHA, VA, conventional  
Description: package includes 2x4 studs, trusses, wall panels with siding applied, and windows installed. Kitchen, sheet-rock, insulation, hardboard flooring optional.  
Literature: for information, circle No. A281 on reply card, p. 20

### INDIANA

#### ALLEN INDUSTRIES, INC.

P.O. Box 2497, Sta. C, Ft. Wayne, Ind.  
Distribution Radius: 300 miles  
No. Basic Plans: 12; models: 27  
Package Price: \$2,344 to \$8,000 f.o.b.  
Sales Policy: builders  
Minimum Order: one  
Delivery Time: ten days  
Financing: arranged through brokers  
Description: all models available for slab, crawl space, or basement. Have 2x4 exteriors; interior panels with studs 16" o.c. Steel H-Brace roof trusses.  
Literature: for information, circle No. A282 on reply card, p. 20

#### BROOKS HOMES CORPORATION

720 W. Lincoln Ave., Chandler, Ind.  
Distribution Radius: 300 miles  
No. Basic Plans: 14; models: 42  
Package Price: \$2,900 to \$9,000 f.o.b.  
Sales Policy: builders, dealers  
Minimum Order: one for builder; one per month for dealers  
Delivery Time: ten days  
Financing: letter of credit or payment up to 1 year on model homes  
Description: conventional framing, trusses, trim applied, wiring, interior trim, doors, etc. Every panel fabricated complete up to 26' in length.  
Literature: for information, circle No. A283 on reply card, p. 20

#### COLPAERT HOMES, INC.

445 N. Sheridan, South Bend, Ind.  
Distribution Radius: 150 miles  
No. Basic Plans: 7; 82 variations  
Package Price: \$3,200 to \$6,500 f.o.b.  
Sales Policy: builders  
Delivery Time: seven days  
Financing: bank letter; LaSalle Acceptance Corp.  
Description: all materials conventional, with panelization, factory production of components, and complete packages of optional extras.  
Literature: for information, circle No. A284 on reply card, p. 20

#### GENERAL HOMES, DIVISION OF GENERAL INDUSTRIES, INC.

3033 Wayne Trace, Ft. Wayne, Ind.  
Distribution Radius: 350 to 500 miles  
No. Basic Plans: 3; models: 21  
Package Price: \$4,151 to \$5,238 f.o.b.  
Sales Policy: approved dealers  
Minimum Order: one with proved availability of 15 to 25 lots  
Delivery Time: 14 days  
Financing: cost of package finance plan

plus \$1,000 to \$3,000 on 90-day note at 4%; bank letter; needs of individual dealers

Description: totally prefabricated, including wiring, interior painting, heating, plumbing, with aluminum windows, tile, kitchen cabinets, etc.  
Literature: for information, circle No. A285 on reply card, p. 20

#### NEW CENTURY HOMES, INC.

Ind. Hwy 26, E. US 52, Lafayette, Ind.  
Distribution Area: Ind., Ohio, Ill., Wis., Mich., Ky.  
No. Basic Plans: 15; models: 30  
Package Price: \$2,500 to \$6,500 f.o.b.  
Sales Policy: dealers  
Minimum Order: none  
Delivery Time: five days  
Financing: FHA; VA; conventional terms  
Description: preassembled and sheathed exterior wall panels with windows, trim and insulation. Roof trusses; plywood roof sheathing; kitchen cabinets.  
Literature: for information, circle No. A286 on reply card, p. 20

#### NATIONAL HOMES CORPORATION

Lafayette, Ind.  
Distribution Area: east of Rockies  
No. Basic Plans: 186; models: 94  
Package Price: \$2,750 and up f.o.b.  
Sales Policy: builder-dealers  
Minimum Order: none on initial order  
Delivery Time: 11 days for processing  
Financing: FHA; VA; customer and construction financing available  
Description: basic package has exterior and interior panels, roof trusses, gable ends. Kitchen, plumbing, electrical heating packages available.  
Literature: for information, circle No. A287 on reply card, p. 20

#### PLACE HOMES, INC.

1212 S. Walnut St., South Bend, Ind.  
Distribution Area: Midwest  
No. Basic Plans: 8; models: 48  
Package Price: \$2,800 to \$6,000 f.o.b.  
Sales Policy: dealers  
Minimum Order: 12 per year  
Delivery Time: 14 days  
Financing: model home and 100% construction financing; or facilities of Acceptance Corp.  
Description: package combines Cape Cod styling, full dimension construction with almost complete factory fabrication.  
Literature: for information, circle No. A288 on reply card, p. 20

#### PRECISION HOMES, DIVISION OF ACME BUILDING MATERIALS, INC.

5235 Winthrop Ave., Indianapolis, Ind.  
Distribution Radius: 300 miles  
No. Basic Plans: 16; models: 60  
Package Price: \$2,920 to \$6,500 f.o.b.  
Sales Policy: builders  
Minimum Order: one  
Delivery Time: seven days  
Financing: available  
Description: fabricated exterior walls, partitions, gable ends, roof trusses, prehung doors. Roofing, siding, drywall, chimney, kitchen cabinets.  
Literature: for information, circle No. A289 on reply card, p. 20

#### RICHMOND HOMES, INC.

Richmond, Ind.  
Distribution Radius: 500 miles  
No. Basic Plans: 22; models: 22  
Package Price: \$2,600 to \$9,000 f.o.b.  
Sales Policy: dealers  
Minimum Order: none

Delivery Time: 14 days  
Financing: C.O.D. or letter of credit  
Description: full dimension 2x4 construction, studs 16" o.c. Exterior cover factory applied; sheathing, glue-nail trusses, and 12' to 16' panels are included. Wall insulation optional.  
Literature: for information, circle No. A290 on reply card, p. 20

### IOWA

#### KOZY MANUFACTURING CO.

Extra, Iowa  
Distribution Radius: 500 to 700 miles  
No. Basic Plans: 24  
Package Price: \$2,080 to \$11,000 f.o.b.  
Sales Policy: builders, dealers  
Minimum Order: none  
Delivery Time: ten to 14 days  
Financing: C.O.D.  
Description: floor joist; exterior walls, sheathing applied; windows installed, partially sided; sections up to 29'. Combination windows and doors.  
Literature: for information, circle No. A291 on reply card, p. 20

### KANSAS

#### STANDARD HOMES DIVISION, R. L. SWEET LUMBER CO.

4500 Roe Blvd., Kansas City 3, Kan.  
Distribution Radius: 200 miles  
No. Basic Plans: 12  
Package Price: \$3,500 to \$7,000 f.o.b.  
Sales Policy: builders, individuals  
Minimum Order: \$1500  
Delivery Time: up to 14 days  
Financing: customer arranges own  
Description: package includes platform, wall sections, roofing, siding, flooring, all millwork.  
Literature: for information, circle No. A292 on reply card, p. 20

### KENTUCKY

#### EMPIRE HOMES CORPORATION

1381 Beech St., Louisville, Ky.  
Distribution Radius: 300 miles  
Sales Policy: builders  
Minimum Order: one  
Delivery Time: 14 days  
Financing: contractor's responsibility  
Literature: for information, circle No. A293 on reply card, p. 20

#### FAIR LANE HOMES

489 Roberts Ave., Louisville 14, Ky.  
Distribution Radius: 250 miles  
No. Basic Plans: 25  
Package Price: \$1,800 to \$8,000 f.o.b.  
Sales Policy: builders, dealers  
Delivery Time: ten days  
Financing: letter of credit  
Description: custom fabrication  
Literature: none available

### LOUISIANA

#### CRAWFORD CORPORATION

Drawer 2551, Baton Rouge, La.  
Distribution Area: La., Tex., Ark., Miss., Ga., Fla., Tenn., Ala.  
No. Basic Plans: 25; models: 220  
Package Price: \$2,700 to \$8,700 f.o.b.  
Sales Policy: dealers  
Minimum Order: two per month  
Delivery Time: ten days  
Financing: Crawford Home Loan Corp.  
Description: modified contemporary de-

sign; floor area from 1,000 to 2,000 sq. ft.; three to four bedrooms; and one to two bathrooms.

Literature: for information, circle No. A294 on reply card, p. 20

## MAINE

### MORGAN C. ELMER, INC.

Box 237, Rockland, Me.  
Distribution Radius: 500 miles  
No. Basic Plans: unlimited, custom pre-fabricators

Package Price: \$2,500 to \$10,000 f.o.b.

Sales Policy: builders, dealers

Minimum Order: none

Delivery Time: 14 to 17 days

Financing: interim

Description: complete exterior; interior frame, prehung doors, millwork.

Literature: for information, circle No. A295 on reply card, p. 20

## MARYLAND

### DIXIE HOMES

Rt. 1, Box 339-A, Upper Marlboro, Md.  
Distribution Radius: 300 miles

No. Basic Plans: nine; models: 21

Package Price: \$2,168 to \$5,208 f.o.b.

Sales Policy: builders, individuals

Minimum Order: one

Delivery Time: ten days

Financing: FHA; letter of credit; conventional

Description: package includes superstructure, windows, doors, roof system, roofing and siding, insulation, flooring, all interior trim and hardware.

Literature: for information, circle No. A296 on reply card, p. 20

### GOLDEN KEY HOMES, INC.

Annapolis Junction, Howard Cty., Md.  
Distribution Radius: 350 miles

No. Basic Plans: 24; models: 75

Package Price: \$1,995 to \$10,500; delivery free to 350 miles

Sales Policy: builders, dealers, individuals

Minimum Order: one for individuals, five for builders

Delivery Time: 14 to 21 days

Financing: local banks, lending firms

Description: complete package including interior finish, flooring, prehung interior doors, etc.

Literature: for information, circle No. A297 on reply card, p. 20

### MARYLAND HOUSING CORP.

5715 Southwestern Blvd., Baltimore 37, Md.

Distribution Radius: 100 miles

No. Basic Plans: five; models: ten

Package Price: \$3,000 to \$8,000

Sales Policy: builders

Minimum Order: none

Delivery Time: as required

Financing: to be arranged

Description: sheathed panels; precast floor framing; studded partitions; roof trusses; stairs, windows, doors; shingles.

Literature: for information, circle No. A298 on reply card, p. 20

### PRECISION QUALITY BUILT HOMES, INC.

4319 Milford Mill Rd., Baltimore 8, Md.  
Distribution Radius: 150 miles

No. Basic Plans: 70; models: 160

Package Price: \$2,100 to \$8,700 f.o.b.

Sales Policy: dealers

Minimum Order: one

Delivery Time: varies

Description: package includes floor system, exterior walls, with windows and door frames; interior partitions. Panelized for crane or manual erection.

Literature: for information, circle No. A299 on reply card, p. 20

## MASSACHUSETTS

### ASSEMBLED HOMES, INC.

40 Holton St., Winchester, Mass.

Distribution Area: New England

Package Price: \$2,100 to \$12,630

Sales Policy: builders; dealers

Description: all models include roof shingles, drip edge, paper, nails, metal louvres, picture windows. Interior finish package includes prehung flush doors, with casing precut, window trim.

Literature: for information, circle No. A300 on reply card, p. 20

### FRANKLIN HOMES, INC.

65 Dean St., Franklin, Mass.

Distribution Area: New England

No. Basic Plans: 19; models: unlimited

Package Price: \$1,800 to \$5,000-up f.o.b.

Sales Policy: builders, dealers

Minimum Order: one

Delivery Time: ten to 15 days

Financing: bank

Description: floor system precut; wall panels are 2x4, 16" o.c., with sheathing and shingles applied. Windows installed; roof trusses, gables, interior partitions.

Literature: for information, circle No. A301 on reply card, p. 20

### HODGSON HOUSES, INC.

Dover, Mass.

Distribution area: New England, Eastern N.Y., Eastern N.J.

No. Basic Plans: 29

Package Price: \$2,000 to \$20,000 f.o.b.

Sales: builders, dealers, individuals

Minimum Order: one

Delivery Time: 14 days

Financing: letter of credit; bank assignment

Description: included are precut floors; walls framed with sheathing, siding applied and windows installed; partitions; and prehung doors.

Literature: for information, circle No. A302 on reply card, p. 20

### PRE-BILT CONSTRUCTION CO., INC.

Box 585 State Rd., N. Dartmouth, Mass.

Distribution Radius: 300 miles

No. Basic Plans: 10; models: 30

Package Price: \$1,895 to \$4,995 f.o.b.

Sales Policy: dealers, individuals

Minimum Order: varies

Delivery Time: ten days

Financing: 10% down, balance, delivery

Description: package includes exterior shell in complete wall sections, factory installed windows and doors. Also interior partitions, framing, drywall, flooring, insulation, trim.

Literature: for information, circle No. A303 on reply card, p. 20

### TECHBUILT, INC.

127 Mt. Auburn St., Cambridge, Mass.

Distribution Area: United States

No. Basic Plans: 15; models: unlimited

Sales Policy: builders, dealers and individuals

Minimum Order: one

Delivery Time: 14 days

Description: panelized roofs and floors;

interior and exterior doors prehung; modular wall panels, post and beam framing; baseboard radiation; roofing; and appliances.

Literature: for information, circle No. A304 on reply card, p. 20

## MICHIGAN

### ALADDIN CO.

212 Davidson Bldg., Bay City, Mich.

Distribution Area: United States

No. Basic Plans: 116; models: 58

Package Price: \$2,000 to \$10,000 f.o.b.

Minimum Order: one

Delivery Time: five to ten days

Financing: local lending institutions

Description: everything from foundation up, except plumbing, heating, lighting.

Literature: for information, circle No. A305 on reply card, p. 20

### LIBERTY READY-CUT HOMES

1012 Lafayette Ave., Bay City, Mich.

Distribution Area: 49 states

No. Basic Plans: 73

Package Price: \$2,700 to \$7,900 f.o.b.

Sales Policy: certified Liberty Home builders, individuals

Minimum Order: none

Delivery Time: 14 to 21 days

Financing: various plans available, including 5% cash discount

Description: complete package includes plans, framing and finish lumber, trim, hardware, paints, windows, doors, etc.

Literature: for information, circle No. A306 on reply card, p. 20

### LYTLE MODERN HOMES, INC.

7742 Greenfield Rd., Dearborn, Mich.

Distribution Radius: 500 miles

No. Basic Plans: 8; models: 40

Package Price: \$2,200 to \$5,000 f.o.b.

Sales Policy: builder, dealers

Delivery Time: 14 days

Description: walls with windows, insulation and exterior siding applied; roof trusses; prehung doors; prefinished kitchen cabinets.

Literature: for information, circle No. A307 on reply card, p. 20

### MANUFACTURED HOMES, INC.

330 S. Kalamazoo Ave., Marshall, Mich.

Distribution Radius: 500 miles

No. Basic Plans: 12; models: 67

Package Price: \$1,669.50 to \$10,000 f.o.b.

Sales Policy: builders, dealers

Minimum: one

Delivery Time: ten days

Financing: 10% down, balance C.O.D., or secured interim financing

Description: basic shell; insulation; interior trim; oak flooring; sheetrock; sub-floors; cabinets; beams; some extra specialty items.

Literature: for information, circle No. A308 on reply card, p. 20

### MICHIGAN LUMBER FABRICATORS, INC.

Elkton, Mich.

Distribution Radius: 500 miles

No. Basic Plans: 15; models: 40

Package Price: \$2,500 ~~and~~ up f.o.b.

Sales Policy: builders, individuals

Minimum Order: none

Delivery Time: 10 days

Financing: 2% discount with order

Description: precut floor system; assembled exterior walls, partitions; trussed, precut roof system; applied exterior wall sheathing, insulation; doors

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prehung; kitchen cabinets.  
Literature: for information, circle No. A399 on reply card, p. 20

#### SEMICO INCORPORATED

Box #8, Seney, Mich.  
Distribution Radius: 450 miles  
No. Basic Plans: 40; models: 212  
Package Price: \$1,232 to \$9,600 f.o.b.  
Sales Policy: builder-dealers, dealers  
Minimum Order: one  
Delivery Time: ten days  
Financing: to be arranged  
Description: package includes everything structural from basement posts to roof plywood, except roofing material, ceiling and wall finishes.  
Literature: for information, circle No. A310 on reply card, p. 20

#### SERVICE HOME MANUFACTURING CO.

395-54th St., S.W., Grand Rapids, Mich.  
Distribution Radius: 300 miles  
No. Basic Plans: 30; models: 30  
Package Price: \$2,900 to \$15,000 f.o.b.  
Sales Policy: builders  
Minimum Order: one  
Delivery Time: ten days  
Financing: Service Home Mortgage Co.  
Description: exterior, interior walls are paneled, with exterior sheathing applied; trusses assembled; floor, ceiling joists precut; doors prehung.  
Literature: for information, circle No. A311 on reply card, p. 20

#### UNIVERSAL HOMES, INC.

271 First St., Milan, Mich.  
Distribution Radius: 450 miles  
No. Basic Plans: 14; models: 42  
Package Price: \$3,200 to \$10,800 f.o.b.  
Sales Policy: builders, dealers  
Minimum Order: none  
Delivery Time: 10 to 14 days  
Financing: 50-day interim  
Description: built-up wall panels, exterior applied and primed; precut floors and roofs; interior partitions built-up; complete kitchens; all wall finish.  
Literature: for information, circle No. A312 on reply card, p. 20

### MINNESOTA

#### NORTHERN HOMES MFG. CO.

6200 Wayzata Blvd., Minneapolis 18, Minn.  
Distribution Radius: 500 miles  
No. Basic Plans: 20; models: 125  
Package Price: \$2,100-up f.o.b.  
Sales Policy: builders  
Minimum Order: varies with area  
Delivery Time: five days  
Description: basic package includes exterior walls, roof trusses, interior stud walls and gable ends.  
Literature: none available

#### PACKAGE HOMES, INC.

3-Sixth Ave., S., Hopkins, Minn.  
Distribution Radius: 500 miles  
No. Basic Plans: 19; models: 119  
Package Price: \$3,200 to \$5,590 f.o.b.  
Sales Policy: builders, dealers  
Minimum Order: varies with area  
Delivery Time: 14 days  
Financing: 2% cash disc., 30 days net  
Description: basic package in precut and premarked, but not paneled or pre-assembled. No additional materials needed.  
Literature: for information, circle No. A313 on reply card, p. 20

#### PAGE & HILL HOMES, INC.

1119 Pillsbury Bldg., Minn. 2, Minn.  
Distribution Radius: 900 miles  
No. Basic Plans: 34  
Sales Policy: builder-dealers  
Package Price: \$3,500 to \$25,000 f.o.b.  
Minimum Order: none  
Delivery Time: 10 to 14 days  
Financing: Minnesota Acceptance Corp.  
Description: heavy insulation in ceiling and walls; special double-glazed windows which seal tightly. Styles in ranch, split-level, two-level or contemporary.  
Floor areas from 740 to 1,800 sq. ft.  
Literature: for information, circle No. A314 on reply card, p. 20

### MISSOURI

#### HOME BUILDING CORPORATION

303 N. Park Ave., Sedalia, Mo.  
Distribution Radius: 300 miles  
No. Basic Plans: 4  
Package Price: \$5,400 to \$10,000 f.o.b.  
Sales Policy: builders, individuals  
Minimum Order: one  
Delivery Time: 14 days minimum  
Financing: local letter of credit  
Description: entire package erected and furnished above foundation. Includes plumbing, heating, wiring, painting, roofing, flooring.  
Literature: for information, circle No. A315 on reply card, p. 20

#### MODULAR HOMES, INC.

Route 13, Kirkswood 22, Mo.  
Distribution Radius: 600 miles  
No. Basic Plans: unlimited  
Package Price: \$5,000 to \$12,000 f.o.b.  
Sales Policy: builders, dealers  
Minimum Order: open  
Delivery Time: 14 days  
Financing: letter confirming construction loan and \$350 shipping deposit  
Description: features include post-and-beam construction with interchangeable nonbearing exterior wall sections, and movable interior partitions.  
Literature: for information, circle No. A316 on reply card, p. 20

#### WILSON HOMES, INC.

Robertson, Mo.  
Distribution Radius: 600 miles  
No. Basic Plans: 25; models: 144  
Package Price: \$2,500-up f.o.b.  
Sales Policy: builders  
Minimum Order: varies with area  
Delivery Time: ten days  
Financing: depends on credit rating  
Description: assembled exterior walls with sheathing, windows installed; assembled interior partitions; exterior grade sheathing; roof trusses; prehung doors.  
Literature: for information, circle No. A317 on reply card, p. 20

### MONTANA

#### NATIONAL LOG CONSTRUCTION CO.

Box 68, Thompson Falls, Mont.  
Distribution Radius: national  
No. Basic Plans: 50  
Package Price: \$900 to \$17,000 f.o.b.  
Sales Policy: dealers  
Minimum Order: three per year  
Delivery Time: ten days  
Financing: one-third down with order, balance on sight draft  
Description: included are exterior and interior walls; gables; log porch ma-

terial; log rafters; log beams for balcony; rails, posts and spindles; exterior and interior door jamb sets.  
Literature: for information, circle No. A318 on reply card, p. 20

### NEBRASKA

#### PERMCO MANUFACTURING CO.

Peru, Neb.  
Distribution Radius: 500 miles  
Package Price: \$3,500 to \$9,500 f.o.b.  
Sales Policy: dealers  
Minimum Order: two  
Delivery Time: 21 days  
Financing: FHA, VA  
Description: room-size exterior panels with sheathing; window and door openings framed; partition panels; ready-cut roof framing; precut roof sheathing, floor joists and subfloors; garage or carport.  
Literature: for information, circle No. A319 on reply card, p. 20

### NEW JERSEY

#### PRESIDENTIAL HOMES

Pemberton, N.J.  
Distribution Radius: 400 miles  
No. Basic Plans: 165; models: 510  
Package Price: \$2,200 to \$5,800 f.o.b.  
Sales Policy: builders  
Minimum Order: one  
Delivery Time: 14 days  
Financing: up to six months  
Description: package includes all framing, sheathing, millwork, hardware, stairs, and sidewall insulation  
Literature: for information, circle No. A320 on reply card, p. 20

### NEW YORK

#### ALLEGHANY HOMES CORPORATION

26 Copeiland Ave., Homer, N.Y.  
Distribution Radius: 300 miles  
No. Basic Plans: 16; models: 28  
Package Price: \$3,100 to \$11,000 f.o.b.  
Sales Policy: builders  
Delivery Time: 14 days  
Financing: financed for three months  
Description: conventional 2x4 stud panels, with insulation and plywood sheathing; factory-applied siding; complete floor system; kitchen sinks, cabinets.  
Literature: for information, circle No. A321 on reply card, p. 20

#### BUSH PREFABRICATED STRUCTURES, INC.

2nd St. & Lenox Rd.  
Huntington Station, L.I., N.Y.  
Distribution Radius: 350 miles  
Sales Policy: other home manufacturers  
Delivery Time: as required (usually overnight dispatch)  
Description: models manufactured to the plans and specifications of clients, and to other prefab companies whose facilities are too distant to economically serve the Northeastern market.  
Literature: for information, circle No. A322 on reply card, p. 20

#### IVON E. FORD, INC.

McDonough, N.Y.  
Distribution Area: N.Y., Pa., Mass., Conn.  
No. Basic Plans: 33; models: unlimited  
Package Price: \$3,300 to \$8,000 f.o.b.  
Sales Policy: builders  
Minimum Order: one  
Delivery Time: 30 days  
Financing: FHA; VA; conventional

Description: floor panels with finish floor; wall and partition panels come with gypsum board; ceiling panels are insulated. Literature: for information, circle No. A323 on reply card, p. 20

#### NORTHERN HOMES, INC.

10 Lacross St., Hudson Falls, N.Y.  
Distribution Radius: 250 miles  
No. Basic Plans: 70  
Package Price: \$2,000 to \$9,000 f.o.b.  
Sales Policy: dealers  
Minimum Order: one  
Delivery Time: 14 to 21 days  
Financing: 10% down, balance C.O.D. or bank letter of commitment.  
Description: floor panels with 1" sheathing or plyscore; exterior wall panels sheathed with windows and doors installed; ceiling and roof rafters precut. Literature: for information, circle No. A324 on reply card, p. 20

## OHIO

#### DUNBAR INDUSTRIES, INC.

3820 Upton Ave., Toledo, Ohio  
Distribution Radius: 400 miles  
No. Basic Plans: 15; models: 111  
Package Price: \$2,935 to \$8,275 f.o.b.  
Sales Policy: builders  
Minimum Order: none  
Delivery Time: 14 days  
Financing: C.O.D. or bank letter  
Description: floor system precut; exterior walls, windows and doors in place; assembled roof trusses, gable ends, interior partitions.  
Literature: for information, circle No. A325 on reply card, p. 20

#### EXPAN HOMES, INC.

15411 Chatfield Ave., Cleveland, Ohio  
Distribution Radius: 400 miles  
No. Basic Plans: 8; models: 80  
Package Price: \$3,075 to \$5,200 f.o.b.  
Sales Policy: builders, dealers, individuals  
Minimum order: varies with area  
Delivery Time: 14 days  
Financing: interim; conventional  
Description: conventional exterior panels, 2x4, 16" o.c.; insulated sheathing; room-size interior panels. All roofing materials, end gables.  
Literature: for information, circle No. A326 on reply card, p. 20

#### HERITAGE HOMES

19620 Nottingham Rd., Cleveland, Ohio  
Distribution Radius: 300 miles  
No. Basic Plans: 17; models: unlimited  
Package Price: \$2,000 to \$17,000 f.o.b.  
Sales: builders, dealers, individuals  
Minimum Order: none  
Delivery Time: ten days  
Financing: 10% down, balance arranged  
Description: panels tongued and grooved on outside perimeter with all studs mortised into top and bottom plates. Windows and doors prehung.  
Literature: for information, circle No. A327 on reply card, p. 20

#### INLAND HOMES CORPORATION

501 S. College St., Piqua, Ohio  
Distribution Area: 24 states  
No. Basic Plans: 21; models: 234  
Package Price: \$1,385 to \$4,920 f.o.b.  
Sales Policy: dealers  
Minimum Order: none  
Delivery Time: seven days  
Financing: Inland Mortgage Corp.  
Description: exterior wall sections with factory-applied siding; windows and doors installed; interior partitions; roof

trusses and gables; roof sheathing; roofing and hardware.  
Literature: for information, circle No. A328 on reply card, p. 20

#### METROPOLITAN HOMES, INC.

721 W. Columbia St., Springfield, Ohio  
Distribution Area: Ohio, Ind., Mich. Ky.  
No. Basic Plans: six; models: 62  
Package Price: \$1,800 to \$6,000 f.o.b.  
Sales Policy: builders  
Minimum Order: one  
Delivery Time: varies  
Financing: letter of credit from mortgagee  
Description: full wall sections with insulating sheathing or glued plywood sheathing; king-post trusses; wide overhang; and open planning.  
Literature: for information, circle No. A329 on reply card, p. 20

#### MIDWEST HOUSES, INC.

Box 334, Mansfield, Ohio  
Distribution Area: Ohio, Mich., W. Va., West Pa.  
No. Basic Plans: 16; models: 40  
Package Price: \$2,700 to \$9,000 f.o.b.  
Sales Policy: builders  
Minimum Order: ten per year  
Delivery Time: 14 days  
Financing: 2% presentation of invoice, 1% ten days later  
Description: floors, walls and partitions in conventional framing; windows, doors and wall insulation in place; roof trusses or ceiling joist and rafters; kitchen cabinets and hardware.  
Literature: for information, circle No. A330 on reply card, p. 20

#### THE PANA HOUSE, INC.

3716 W. 143 St., Cleveland, Ohio  
Distribution Radius: 300 miles  
No. Basic Plans: 30; models: 63  
Package Price: \$2,100 to \$7,500  
Sales Policy: builders, dealers  
Minimum Order: one  
Delivery Time: seven days  
Financing: through affiliated companies  
Description: package uses interior and exterior interchangeable panel system.  
Literature: for information, circle No. A331 on reply card, p. 20

#### PEASE WOODWORK CO.

960 Forest Ave., Hamilton, Ohio  
Distribution Radius: 600 miles  
No. Basic Plans: 40; models: 18  
Package Price: \$3,389 to \$10,316 f.o.b.  
Sales Policy: builders, individuals  
Minimum Order: one  
Delivery Time: seven days  
Financing: bank letter; conventional; interim, permanent financing  
Description: floor materials precut with plywood subfloor; conventional framing for all walls; roof trusses with plywood sheathing; roofing and siding furnished.  
Literature: for information, circle No. A332 on reply card, p. 20

#### THYER MANUFACTURING CORP.

2857 Wayne St., Toledo, Ohio  
Distribution Radius: 400 miles  
No. Basic Plans: 20; models: 100  
Package Price: \$2,000 to \$10,000 f.o.b.  
Sales Policy: builders  
Minimum Order: one  
Delivery Time: 10 to 14 days  
Financing: conventional  
Description: conventional construction, with walls built on standard framing, 2x4 studs, 16" o.c. Assembly is performed and controlled in factory. Wide variety of styles offered.  
Literature: for information, circle No. A333 on reply card, p. 20

#### SCHOLZ HOMES INC.

2001 N. Westwood Ave., Toledo 7, Ohio  
Distribution Area: 48 states  
No. Basic Plans: 150; models: 56  
Package Price: \$3,000 to \$5,000 f.o.b.  
Sales Policy: builders  
Minimum Order: one  
Delivery Time: 14 to 21 days  
Financing: assistance only  
Literature: for information, circle No. A334 on reply card, p. 20

#### WEAKLEY MANUFACTURING CO.

S. 26 St., Newark, Ohio  
Distribution Radius: 350 miles  
No. Basic Plans: 46; models: 11  
Package Price: \$2,672 to \$6,863 f.o.b.  
Sales Policy: dealers  
Minimum Order: open  
Delivery Time: five days  
Financing: interim, mortgage, land development, package financing  
Description: Fink-type trusses; interior and exterior panels; 2x4 studding; windows installed; doors prehung with hardware; heating systems furnished.  
Literature: for information, circle No. A335 on reply card, p. 20

## OKLAHOMA

#### SOUTHERN MILL HOMES CO.

P.O. Box 1887, Tulsa, Okla.  
Distribution Radius: 300 miles  
No. Basic Plans: 10; models: 40  
Package Price: \$3,000 to \$8,000 f.o.b.  
Sales Policy: dealers  
Minimum Order: none  
Delivery Time: 14 to 21 days  
Description: all exterior walls framed with doors and windows hung. Fabricated gables and trusses; interior doors assembled; cabinets, drywall and trim included.  
Literature: for more complete data and information, circle No. A336 on reply card, p. 20

## PENNSYLVANIA

#### ADMIRAL HOMES, INC.

149 Water St., West Newton, Pa.  
Distribution Radius: 300 miles  
No. Basic Plans: 30  
Package Price: \$2,400 to \$6,400 f.o.b.  
Sales: to builders, dealers, individuals  
Minimum Order: varies  
Delivery Time: 7 to 14 days  
Financing: C.O.D. or letter of credit  
Description: exterior wall sections, windows and door prehung. All precut materials to complete entire shell.  
Literature: for information, circle No. A337 on reply card, p. 20

#### AMERICAN HOUSES, INC.

S. Aubrey & South Sts., Allentown, Pa.  
Distribution: 350 miles each plant  
No. Basic Plans: 75  
Package Price: \$2,000 to \$10,000 f.o.b.  
Sales Policy: builders, dealers  
Minimum Order: one  
Delivery Time: seven days  
Financing: mortgage, conventional  
Description: panelized floor decks; wall panels and partitions up to room size; precut plywood roof sheathing.  
Literature: for information, circle No. A338 on reply card, p. 20

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#### COTTMAN PLANNED HOMES

829 Cottman St., Phila., Pa.  
Distribution Radius: 175 miles  
No. Basic Plans: 10; models: 22  
Package Price: \$2,200 to \$4,500 f.o.b.  
Sales Policy: builders, dealers and individuals  
Minimum Order: one  
Delivery Time: 17 days  
Financing: four plans  
Literature: for information, circle No. A339 on reply card, p. 20

#### CRESTWOOD HOME CO.

Reynolds Development, Route 13  
Greenville, Pa.  
Distribution Radius: 150 miles  
No. Basic Plans: 15; models: 39  
Package Price: \$3,550 to \$10,548 f.o.b.; first fifty miles are free  
Sales Policy: dealers, individuals  
Minimum Order: one  
Delivery Time: 14 days  
Financing: bank letter; Crestwood Homes Co.; interim financing  
Description: exterior walls fabricated with full-size 2x4 studs; insulating sheathing; windows prime-coated and installed in each section, with three types available.  
Literature: for more complete description and information, circle No. A348 on reply card, p. 20

#### FRANKLIN THRIFT HOMES CO.

N. Atherton St., P.O. Box 631, State College, Pa.  
Distribution Area: U.S. and Territories  
No. Basic Plans: 60  
Package Price: \$1,640 to \$13,990 f.o.b.  
Sales Policy: builders, dealers and individuals  
Minimum Order: one  
Delivery Time: 15 days  
Financing: Franklin Thrift Financing; building and loans; banks  
Description: pre-cut materials, side walls paneled, with window and door openings, and rigid insulation applied.  
Literature: for information, circle No. A341 on reply card, p. 20

#### HELCO HOMES

10th St. off Eastington Ave., Phila., Pa.  
Distribution Radius: 250 miles  
No. Basic Plans: 18; models: 41  
Package Price: \$2,500 to \$6,500 f.o.b.  
Sales Policy: builders, dealers  
Minimum Order: five  
Delivery Time: ten days  
Financing: to be arranged  
Description: all lumber and millwork complete; pre-cut bridging; girders partially assembled; floor joists cut to length; windows assembled and glazed; packaged trim; and wall covering.  
Literature: for information, circle No. A342 on reply card, p. 20

#### NORTHERN HOMES OF PA., INC.

Chambersburg, Pa.  
Distribution Radius: 450 miles  
No. models: 80  
Package Price: \$2,000 to \$10,000 f.o.b.  
Sales Policy: dealers  
Minimum Order: none  
Delivery Time: 14 days  
Financing: company arrangements  
Description: exterior and interior in panels, windows and doors hung in place; choice of exterior sheathing. Floors in sections or pre-cut; roof and ceiling joists pre-cut.  
Literature: for information, circle No. A343 on reply card, p. 20

#### SHOWCASE HOMES, INC.

Pittsburgh, Pa.  
Distribution Radius: vicinity of Pittsburgh  
No. Basic Plans: worked out individually with lumber dealer and builder  
Sales Policy: lumber dealers  
Financing: local financing, other independent financing procedures  
Description: Erection supervision; wide variety of sales and merchandising aids available to builders  
Literature: for information, circle No. A344 on reply card, p. 20

#### SWIFT HOMES, INC.

1 Chicago Ave., Elizabeth, Pa.  
Distribution Area: east of Mississippi  
No. Basic Plans: 72; models: 39  
Package Price: \$1,795 to \$4,995 f.o.b.  
Sales Policy: dealers  
Minimum Order: none  
Delivery Time: seven to 14 days  
Financing: United Dealers Corp.  
Description: pre-cut basic shell includes floor (framing and flooring); sidewalls (windows, doors, siding, insulation); roof (shingles, sheathing, framing); interior partitions; trim; hardware.  
Literature: for information, circle No. A345 on reply card, p. 20

#### UNITED STATES STEEL HOMES, DIV. OF U.S. STEEL CORP.

525 Wm. Penn Place, Pittsburgh, Pa.  
Distribution Radius: 500 miles  
No. Basic Plans: 7; models: unlimited  
Package Price: \$2,700-up f.o.b.  
Sales Policy: dealers  
Minimum Order: none  
Delivery Time: 14 days minimum  
Financing: letter of credit  
Description: package includes exterior and interior walls; superstructure; doors; and hardware. Additional heating, lighting, bath accessories available.  
Literature: for information, circle No. A346 on reply card, p. 20

#### SOUTH DAKOTA

##### BUCKINGHAM WOOD PRODUCTS, INC.

931 E. North St., Rapid City, S.D.  
Distribution Radius: 600 miles  
No. Basic Plans: 20; models: unlimited  
Package Price: \$3,550 to \$10,950 f.o.b.  
Sales Policy: dealers  
Minimum Order: five  
Delivery Time: seven days  
Financing: 2% ten days; other terms  
Description: pre-cut floor system; pre-fabricated wall, ceiling, roof system; interior and exterior wall finish job applied. Complete package from foundation up.  
Literature: for more complete description and information, circle No. A347 on reply card, p. 20

#### TENNESSEE

##### FAIRMILL INCORPORATED

2165 Latham, Memphis, Tenn.  
Distribution Radius: 500 miles  
No. Basic Plans: 12; models: 60  
Package Price: \$2,600 to \$5,500 f.o.b.  
Sales Policy: builders, dealers  
Minimum Order: none  
Delivery Time: eight days  
Financing: C.O.D. or letter of credit

Description: wall panels; roof structure; windows in panels; prehung doors; pre-finished kitchen cabinets. Prefabricated or pre-cut specialty items. Colonial, ranch or contemporary.  
Literature: for more complete description and information, circle No. A348 on reply card, p. 20

#### UNIQUE HOMES, INC.

2915 8th Ave., Chattanooga, Tenn.  
No. Basic Plans: unlimited  
Package Price: \$2,300 to \$11,000 f.o.b.  
Sales Policy: builders, individuals  
Minimum Order: one  
Delivery Time: ten days  
Description: everything above foundation except plumbing, wiring, heating, floor and wall tile, paint and gutting. Custom fabrication.  
Literature: for more complete description and information, circle No. A349 on reply card, p. 20

#### TEXAS

##### FABRICON

4601 East 5th St., Austin, Texas  
Distribution Radius: 600 miles  
No. Basic Plans: unlimited  
Package Price: \$2,300 to \$6,200 f.o.b.  
Sales Policy: builders  
Minimum Order: none  
Delivery Time: 14 days  
Financing: 30 days open  
Description: exterior window and door panels; steel roof trusses and gables; interior partitions; closets; cabinets; heating and air conditioning.  
Literature: for information, circle No. A350 on reply card, p. 20

##### HOLIDAY HOUSE MANUFACTURERS CORP.

2201 S. Cravens Rd., Ft. Worth, Tex.  
Distribution Radius: 500 miles  
No. Basic Plans: 25; models: 100  
Package Price: \$1,794 to \$5,700 f.o.b.  
Sales Policy: builders  
Delivery Time: ten days  
Financing: interim  
Description: exterior walls, interior partitions, roof trusses, gable ends, roof deck, doors, hardware, cabinets, bath accessories. Laminated oak floor and attic insulation included.  
Literature: for information, circle No. A351 on reply card, p. 20

##### HOUSTON READY-CUT HOUSE CO.

P.O. Box 124, Houston, Tex.  
Distribution Radius: 1,500 miles  
No. Basic Plans: six; models: 12  
Package Price: \$1,900 to \$6,500 f.o.b.  
Sales Policy: builders, individuals  
Minimum Order: none  
Delivery Time: 21 days  
Financing: none  
Description: dimension lumber with plywood sheathing and subfloor. Optional wall finishes and aluminum or wood windows. Included are kitchen cabinets and bath accessories.  
Literature: for information, circle No. A352 on reply card, p. 20

##### SOUTHWEST AMERICAN HOUSES, INC.

P. O. Box 16, Houston, Tex.  
Distribution Radius: 300 miles  
No. Basic Plans: 50; models: 20

Package Price: \$1,500 to \$8,000 f.o.b.  
 Sales Policy: builders, individuals  
 Minimum Order: none  
 Delivery Time: 14 days  
 Financing: bank arrangement  
 Description: included are walls, partitions, roof, trusses, sheathing, hardware, windows, doors, trim, kitchen cabinets, closets and garage doors. All house components paneled.  
 Literature: for information, circle No. A353 on reply card, p. 20

## VIRGINIA

### CONTINENTAL HOMES, INC.

P.O. Box 56, Boones Mill, Va.  
 Distribution Radius: 350 miles  
 No. Basic Plans: 19  
 Package Price: \$3,000 to \$15,000 f.o.b.  
 Sales Policy: builders, dealers and individuals  
 Minimum Order: varies  
 Delivery Time: ten days  
 Financing: interim; conventional  
 Description: package includes everything above foundation except masonry materials. Also, rough wiring, plumbing.  
 Literature: for information, circle No. A354 on reply card, p. 20

### LESTER BROTHERS, INC. (LESCO HOMES)

P.O. Box 751, Martinsville, Va.  
 Distribution Radius: 400 miles  
 No. Basic Plans: 47; models: 1,120  
 Package Price: \$3,300 to \$16,000 f.o.b.  
 Sales Policy: builders  
 Minimum Order: one  
 Delivery Time: seven days  
 Financing: interim construction; permanent outlets  
 Description: complete package with exception of masonry materials. Floor area from 816 to 3,380 sq. ft.  
 Literature: for information, circle No. A355 on reply card, p. 20

## WASHINGTON

### FARWEST HOMES, (WEST COAST MILLS)

553 State St., Chehalis, Wash.  
 Distribution Radius: 2,500 miles  
 No. Basic Plans: 18; models: 170  
 Package Price: \$1,900 to \$3,600 f.o.b.  
 Sales Policy: builders, dealers  
 Minimum Order: two  
 Delivery Time: ten days minimum  
 Financing: payment due 15 days after delivery or second FHA inspection  
 Description: conventional and contemporary designs.  
 Literature: for information, circle No. A356 on reply card, p. 20

### LOCTWALL CORPORATION

16530 Highway 90, Lynwood, Wash.  
 Distribution Area: Rocky Mt. States, Pacific Northwest, Alaska  
 No. Basic Plans: 20; models: 100  
 Package Price: \$3,000 to \$40,000 f.o.b.  
 Sales Policy: builders, dealers  
 Minimum Order: three  
 Delivery Time: 20 days  
 Financing: FHA; VA; conventional  
 Description: plywood and plasterboard panels, precut floors, truss or plank and beam roof, flooring, tile, kitchen cabinets. Plumbing, heating optional.  
 Literature: for information, circle No. A357 on reply card, p. 20

## LOXIDE STRUCTURES

9004 S. 19 St., Tacoma, Wash.  
 Distribution Radius: About 2,000 miles  
 No. Basic Plans: 40; models: 75  
 Package Price: \$990-up f.o.b.  
 Sales: builders, dealers, individuals  
 Delivery Time: 14 days  
 Description: includes all lumber items, millwork to build structure.  
 Literature: for information, circle No. A358 on reply card, p. 20

### VIRGINIA LEE HOMES, INC.

Box 606, Kirkland, Wash.  
 Distribution Radius: 2,000 miles  
 No. Basic Plans: 42; models: 296  
 Package Price: \$1,650 to \$8,600 f.o.b.  
 Sales Policy: builders, dealers  
 Minimum Order: two  
 Delivery Time: 15 days  
 Financing: working agreement with mortgage companies  
 Description: either components or complete house packages are provided.  
 Literature: for information, circle No. A359 on reply card, p. 20

## WEST VIRGINIA

### SCOTT LUMBER CO., SCOTT HOMES DIV.

2314 National Rd., Elm Grove, Wheeling, W. Va.  
 Distribution Area: Ohio, W. Va., Pa.  
 No. Basic Plans: 12  
 Package Price: \$3,613-up f.o.b.  
 Sales Policy: builders, dealers and individuals  
 Minimum Order: none  
 Delivery Time: seven days  
 Financing: available  
 Description: conventional construction, up to 26' panels for wall sections. Factory-installed and glazed windows. Interior partitions, prehung doors, trim.  
 Literature: for information, circle No. A360 on reply card, p. 20

## WISCONSIN

### MARSHALL ERDMAN & ASSOCIATES, INC.

5117 University Ave., Madison, Wis.  
 Distribution Radius: 500 miles  
 No. Basic Plans: 12; models: 50  
 Package Price: \$4,000 to \$20,000 f.o.b.  
 Sales Policy: builders  
 Minimum Order: one  
 Delivery Time: 21 days  
 Financing: FHA; VA  
 Description: package includes everything, plus floor joists if desired. Also sell the Frank Lloyd Wright Prefab house anywhere in the U.S.  
 Literature: for information, circle No. A361 on reply card, p. 20

If you'd like more information about these manufacturers . . . use our reply card on page 20.

## GREAT LAKES HOMES, INC.

Box D, Sheboygan Falls, Wis.  
 Distribution Radius: 300 miles  
 Package Price: \$2,200 to \$16,000 f.o.b.  
 Sales Policy: builders, dealers, real estate brokers  
 Minimum Order: one  
 Delivery Time: 14 days  
 Financing: C.O.D. or letter of credit  
 Description: specialty is custom manufactured houses. Conventionally framed exterior panels with dimension lumber; interior panels assembled; rafter and ceiling joists precut and numbered.  
 Literature: for information, circle No. A362 on reply card, p. 20

### HARNISCHFEGER HOMES, INC.

500 N. Spring St., Port Washington, Wis.  
 Distribution Radius: 500 miles  
 No. Basic Plans: 75; models: 154  
 Package Price: \$7,500 to \$30,000 f.o.b.  
 Sales Policy: builders  
 Minimum Order: ten per year  
 Delivery Time: ten days  
 Financing: letter of credit; Harnischfeger Homes Acceptance Corp.  
 Description: room-size interior partition panels, insulated exterior wall panels in which interior drywall sheets and plywood sheathing are bonded and nailed to 2x4 panel members.  
 Literature: for information, circle No. A363 on reply card, p. 20

### UNIT STRUCTURES, INC.

477 Peck Ave., S., Peshtigo, Wis.  
 Distribution Radius: 300 miles  
 No. Basic Plans: 12; models: unlimited  
 Package Price: \$3,000 to \$10,000 f.o.b.  
 Sales Policy: builders, individuals  
 Minimum Order: none  
 Delivery Time: 14 days  
 Financing: letter of credit  
 Description: assembled gable sections, trusses, interior partitions and all door units; conventional floor framing; up to 26' exterior wall sections with 2x4 framing, 16" o.c.  
 Literature: for information, circle No. A364 on reply card, p. 20

## CANADA

### COLONIAL HOMES LTD.

6 Malley Rd., Scarboro, Toronto, Ontario, Canada  
 Distribution Radius: 400 miles  
 No. Basic Plans: 42  
 Package Price: \$6,500 to \$25,000 f.o.b.  
 Sales Policy: builders, dealers  
 Minimum Order: one  
 Delivery Time: 21 days  
 Financing: NHA or choice of company arrangements  
 Description: floor components precut; walls and partitions in sections; trusses; loose roof boards and roofing; kitchen cabinets; prehung door units.  
 Literature: for information, circle No. A365 on reply card, p. 20

### ENGINEERED BUILDINGS LIMITED

50th Ave., E. Second St., S.E.  
 Calgary, Alberta, Canada  
 Distribution Radius: West Canada, except West Coast  
 No. Basic Plans: 30; models: 32  
 Sales Policy: builders, dealers and individuals  
 Minimum Order: one  
 Delivery Time: seven days

**Description:** structural wall sections, including windows; precut roof rafters on trusses; assembled doors and jambs; and all finishing materials.  
**Literature:** for information, circle No. A366 on reply card, p. 20

#### HALLIDAY CO. LTD.

Maple Ave., Burlington, Ont., Canada  
**Distribution Radius:** 400 miles  
**No. Basic Plans:** 25; models: 70  
**Package Price:** \$4,900 to \$19,000 f.o.b.  
**Sales Policy:** builders, individuals  
**Minimum Order:** none

**Delivery Time:** 10 days  
**Financing:** NHA; 10% down, balance financed over 5 years.

**Description:** complete package, except for masonry. Exterior walls with siding applied or sheathing for brick veneer. Interior partitions, roof trusses, windows.  
**Literature:** for information, circle No. A367 on reply card, p. 20

#### SUNNIBILT PREFAB PRODUCTS LIMITED

426 Ellesmere Rd., Scarborough, Ontario, Canada

**Distribution Radius:** Ontario and Quebec  
**No. Basic Plans:** 25; models 30  
**Package Price:** \$2,500 to \$6,000 f.o.b.  
**Sales Policy:** builders, dealers and individuals  
**Minimum Order:** one  
**Delivery Time:** ten to 30 days  
**Financing:** 90-day terms  
**Description:** rough shell (suitable for frame or veneer exterior) plus lining and trim package.  
**Literature:** for information, circle No. A368 on reply card, p. 20

## CATALOG DIRECTORY continued

### Wiring devices

Electrical Wiring devices of every type are completely described in this attractive 153-page catalog. Included are diagrams, charts and a complete price list.—Harvey Hubbell, Inc.

● Circle No. A369 on reply card, p. 20

**Builders' Information** for every type wiring device. Pictured and described with complete electrical information in a 79-page catalog. Purchasing data and price lists conveniently coded in separate section.—Bryant Electric Co.

● Circle No. A370 on reply card, p. 20

New, 70-page catalog includes a complete line of electrical distribution equipment. Features full line of safety switches, circuit breakers, etc.—Murray Manufacturing Corp.

● Circle No. A371 on reply card, p. 20

**Service Entrance** equipment for homes is included in 128-page catalog. Fuse panels, switches and circuit breakers are fully illustrated. Capacities and prices.—Frank Adams Electric Co.

● Circle No. A372 on reply card, p. 20

**Low-Voltage** switching systems are described and illustrated in a 17-page, color catalog. Important information is given on how to design a system, specifications, installation, basic components.—Touch-Plate Mfg. Corp.

● Circle No. A373 on reply card, p. 20

**Wiring Devices** of all kinds for use in residential and commercial construction are covered in this catalog. Ratings and price lists are included.—Pass & Seymour, Inc.

● Circle No. A374 on reply card, p. 20

### Switches, outlets

**Electric Plug-in Strip** now available

with switch and constant controls. In 16-page catalog, with full line of strips, base-ducts and fittings.—National Electric Products Corp.

● Circle No. A375 on reply card, p. 20

**Electrical Devices** supermarket is yours in a "Snapit" wiring device and electrical specialties catalog. Sixty-eight pages with complete descriptions and technical information.—Cable Electric Products, Inc.

● Circle No. A376 on reply card, p. 20

**Raceways and Fittings** for wiring jobs of all types are illustrated and described. Applications are detailed. Specifications for surface metal raceways are included.—Wiremold Co.

● Circle No. A377 on reply card, p. 20

Catalog 56 lists a complete line of electrical wiring devices for commercial and residential use. This 90-page booklet is indexed for quick reference. Price list included.—Leviton Manufacturing Co., Inc.

● Circle No. A378 on reply card, p. 20

### Electrical control systems

**Remote-Control Wiring** that controls 120-volt circuits outlined in a descriptive brochure. Master control switch can control lights or appliances in any part of home.—General Electric Co.

● Circle No. A379 on reply card, p. 20

**Light Controls** create individual intensities depending on needs. Can be installed in old as well as new homes. Luxtrol is available in 450, 800 and 1800 watt capacities. Pictures and diagrams in a 20-page catalog.—Superior Electric Co.

● Circle No. A380 on reply card, p. 20

**Remote Control**, low-voltage switching equipment is described and pictured. Sizes, ratings and price lists are part of the literature available.—

Remcon Electrical Wiring Device Div., Pyramid Instrument Corp.

● Circle No. A381 on reply card, p. 20

**Time Controls** that assure automatic on-off control of electrical circuits are described in this eight-page pamphlet. Full versatility assured with skip systems, week-end skips, etc.—Tork Time Controls Inc.

● Circle No. A382 on reply card, p. 20

**Solenoid Valves** and electromagnetic controls are the subject of this four-page insert. Discusses and illustrates equipment supplied to builder in stock and as special orders.—Automatic Switch Co.

● Circle No. A383 on reply card, p. 20

### Wiring specialties

**Aluminum Electrical** products is the subject of this latest report to the building industry. Discusses all kinds of aluminum applications in electrical systems.—Aluminum Co. of America.

● Circle No. A384 on reply card, p. 20

**TV Wiring** system provides neat, hidden wiring. Convenient plug-in wall-plate connections allow use of four television sets at one time. Four-page pamphlet explains.—Mosley Electronics.

● Circle No. A385 on reply card, p. 20

**Automatic Opener** for garage doors operates by touch on transmitter button of automobile. Electronic receiving unit opens, closes or stops door action. Four-page folder.—A. E. Moore Company, Inc.

● Circle No. A386 on reply card, p. 20

**Electric Door Operators** are described with technical information on both home and commercial models. A separate folder contains installation instructions.—Ray-Dor Manufacturing Co.

● Circle No. A387 on reply card, p. 20

Quality-Packed  
**NEW**

**THUNDERBIRD**  
by Inland Homes



Designed to sell for  
**\$8150** plus lot

The new Thunderbird opens up a whole of a big market for you — families that are hungry for a roomy, quality house with a small price tag.

*Look at these quality features of the Thunderbird.*

 **12 Colonial, Contemporary, French Provincial and Ranch designs.** All architect-designed.

 **Over 1000 sq. ft.** with big living room, extra large kitchen, dining space, and 3 bedrooms.

 **2" x 4" construction** throughout.

 **Cedar shakes** are factory applied and double coursed. Horizontal siding also available, or sheathing only for brick.

 **Double wall construction** with impregnated insulated sheathing.

*Mr. Builder —  
We cordially invite you  
to use a Thunderbird Model  
Home in your subdivision  
at no cost to you during  
the 1959 building season.  
Write, wire or phone  
for complete information!  
Inland Homes Corporation*

-  **Prehung flush doors** throughout.
-  **Wood kitchen cabinets.**
-  **Complies with FHA'S new MPS.**

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Manufacturer of America's Finest Homes

# CATALOG DIRECTORY

## FLOOR, WALL AND CEILING MATERIAL

### Wood flooring

**Oak Floors**, their features, installation, finishing and maintenance . . . all in 10-page catalog. Easy-to-read instructions tell how to get longer life from floors.—The Crossett Co.

● Circle No. A355 on reply card, p. 20

**End-to-end Maple Flooring** advantages and installation procedures discussed here. The four-page booklet also shows grading and edge and flat grain dimensions.—J. W. Wells Lumber Co.

● Circle No. A389 on reply card, p. 20

**How to Lay Oak Floors** is explained in a new specification manual. Contains data on sub-floor construction, laying and nailing rules and proper methods of finishing. Complete grading data is included.—National Oak Floor Mfrs' Assn.

● Circle No. A390 on reply card, p. 20

**Hardwood Floors** . . . six new-fash-

ioned floorings shown in 12-page, full color catalog. Complete builder information, product details, installation and specifications.—E. L. Bruce Co.

● Circle No. A391 on reply card, p. 20

**How-to Literature** describes installation procedure for Laytite hardwood flooring. Included in eight-page brochure are details on cushioned system and block flooring.—Connor Lumber and Land Co.

● Circle No. A392 on reply card, p. 20

**Oak Flooring Literature** points up characteristics of prefinished or unfinished product. Informative booklet lists and shows types of wood, grades, sizes, "how-to" information.—D. L. Fair Lumber Co.

● Circle No. A393 on reply card, p. 20

**Hardwood Parquet** flooring units are 19" x 19", solid and without tongue and groove. Quick installation with adhesive. Strip and plank floors included in four-page insert.—Harris Mfg. Co.

● Circle No. A394 on reply card, p. 20

**Bonded Oak Block Flooring** is dis-

cussed in this folder, which shows several possible uses for this natural grained material. Specifications and directions for application included.—Higgins Industries, Inc.

● Circle No. A395 on reply card, p. 20

### Floor and wall tile

**Ceramic Tile** offers hard, colorful surface for walls and floors. Forty-page catalog illustrates, in full color, choices and uses for many types of tile. Explains free design service.—Mosaic Tile Co.

● Circle No. A396 on reply card, p. 20

**Glazed Ceramic Tile**, in either its plain form or in sculptured, decorative or scored design. Illustrated, in color, in a four-page booklet.—Pomona Tile Manufacturing Co.

● Circle No. A397 on reply card, p. 20

**Ceramic Tile** . . . and how to incorporate it into kitchens and bathrooms. Covered in a catalog on "Do's and Don't's" in bathroom and kitchen planning.—Gladding, McBean & Co.

● Circle No. A398 on reply card, p. 20

(Continued on page 122)

GOOD HOUSEKEEPING Magazine  
selects this **Kingsberry Home**



for 14-page home feature

Read the full-color feature in the June issue of Good Housekeeping magazine. This is just one more reason why builders in the Southeast are going Kingsberry.

To find out how you can get a profitable Kingsberry franchise for your territory, write to:

**KINGSBERRY HOMES**, Ft. Payne, Alabama  
a division of Lumber Fabricators, Inc.  
A PIONEER OF THE MANUFACTURED HOME INDUSTRY

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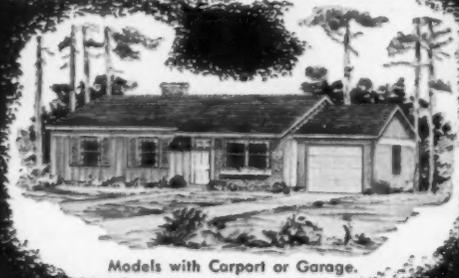
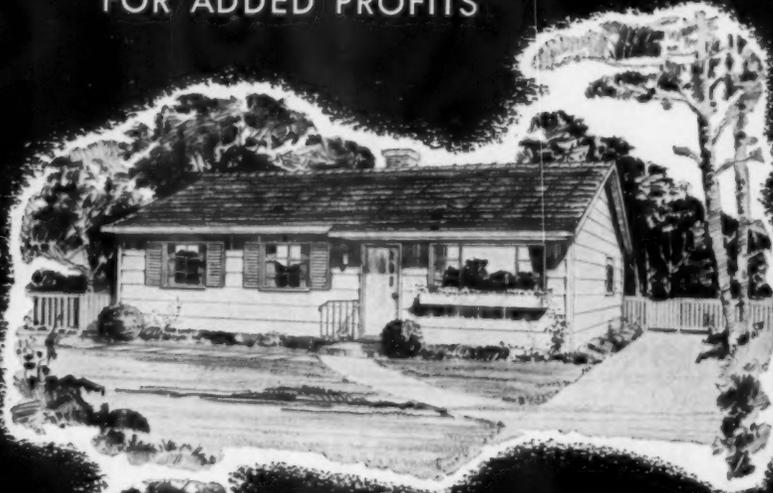
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FOR ADDED PROFITS

The New Peerless Basic Design is shown at right. Many other appealing exterior selections are available.

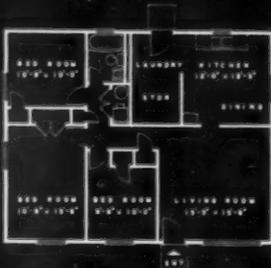


Models with Carport or Garage.

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Richmond Homes Peerless design has proven to be the most popular and the most profitable in the entire Richmond Home line. More large builders, who are cost conscious, choose this design, which accounts for its being 37 per cent ahead of all our other homes. Actual records show 8 out of 10 builders who have built 25 or more homes have used the Peerless design. There is a reason.

Now . . . With the New Peerless Design there are even better reasons . . . and . . . an attractive plan, for Model Home, Construction and Permanent Financing . . . plus other builder services . . . the Peerless can be your best seller too . . . Let us Prove It.



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RICHMOND, INDIANA

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# Malta *Town and Country*<sup>®</sup>



## WOOD UNITS

give **(USS)** homes extra value, more window convenience

THE newest new homes in America are being built with Malta "Town and Country" wood units. It is the basic window in United States Steel Homes — selected because the versatile new design is a step ahead of competition in adaptability, value and buyer appeal.

U.S. Steel Homes builders find the Malta "Town and Country" wood unit ideal for solving almost every window problem. The thin, trim lines, awning-type sash, sans clumsy center partition rail bring modern charm and beauty to external styling, light and airy living to every room inside the house.

Single units combine easily into doubles and triples for distinctive, low-cost window effects. And economies created through faster, easier installation — minimum finish work time and costs — multiply into important savings you can pass along to the buyer.

For more "Town and Country" details, see your local Malta dealer or write directly to the factory.



The **ANDOVER** is one of three new U. S. Steel Homes in the 1959 product line which features Malta "Town and Country" windows. This steel-frame, three bedroom, Colonial design is available as shown or in a reverse plan with or without basement.



The **BEACON**, designed for the nation's low-cost housing needs, is a three bedroom, ranch style home. First introduced last July, this Steelstyle design is the "biggest looking smaller home" in the market today.



The **BRADFORD** is the Steelstyle home designed for the narrow lot. It features three large bedrooms, an eight-foot window wall, covered porch, and the kitchen is at the front of the house.

Member Ponderosa Pine  
Woodwork Assn. and N.W. M. A.



Supreme Quality Since 1907

**THE MALTA MANUFACTURING CO.**

Malta, Ohio



**"We sold 19 **USS** homes on opening day!"**

*says Tom Quinn, United States Steel Homes builder,  
Cincinnati, Ohio*



**N**OT ONLY THAT," adds Mr. Quinn, "but we sold 27 more in the next 10 days. Our gross sales in the first two weeks totalled more than half a million dollars!" The new section of Cincinnati's Northbrook subdivision, numbering more than 60 homes, was completely sold out at the end of the third week. Public acceptance was so great that a new section was started to accommodate 15 advance orders.

Why do U. S. Steel homes sell fast and steadily? *Because they're built tight and priced right.* Steel construction eliminates warping and sagging; pre-assembled components make for faster erections, enabling builders to pass on savings to customers. These homes are loaded with living comforts, too . . . with storage space galore, with more room for family relaxation, with quality features usually found only in higher priced homes!

**BE A USS HOMES BUILDER-DEALER**

Find out how you can cut costs and increase profits as a USS homes builder-dealer. Our representatives can help you with financing and promotion problems, even with land-planning! Send the coupon below for the free brochure that tells more about the exciting Steelstyle line. *USS is a registered trademark*

**FREE BROCHURE!**

**United States Steel Homes Division  
United States Steel  
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*Please send me your colorful 16-page brochure containing detailed information on exciting USS Steelstyle Homes for '59.*

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**United States Steel Homes  
Division of  
United States Steel**

## CATALOG DIRECTORY

**Ideas on Color** combinations with ceramic tile can be obtained from this Color Harmony Guide. The catalog shows color chips illustrating the complete line of Romany-Spartan ceramic tiles.—U. S. Ceramic Tile Co. & Sparta Ceramic Tile Co.

● Circle No. A399 on reply card, p. 20

**Cork Tile** is described and illustrated in its various patterns and colors in an eight-page booklet. Design data, specifications and installation procedure fully covered.—Dodge Cork Co.

● Circle No. A400 on reply card, p. 20

**Resilient Tile floor** catalog for 1959 highlights a wide selection of new colors and patterns. Included in line of vinyl and rubber tiles are many new geometric shapes.—Robbins Floor Products, Inc.

● Circle No. A401 on reply card, p. 20

**Rubber and Vinyl tile flooring** is displayed in this eight-page brochure. In it are illustrated the Sofstep and Wearever lines; plus recommended uses for the product. Plenty of useful facts and information.—Mastic Tile Corp. of America.

● Circle No. A402 on reply card, p. 20

**Resilient Flooring** . . . vinyl, vinyl asbestos and asphalt tile, is displayed here in full color. Characteristics and specifications given in a new 12-page brochure.—Azrock Products Div., Uvalde Rock Asphalt Co.

● Circle No. A403 on reply card, p. 20

**Floor Tile**, asphalt and vinyl-asbestos, is illustrated in a series of file folders. Gives comprehensive selection of colors and patterns to fit any decor.—Moultile Inc.

● Circle No. A404 on reply card, p. 20

**Crystalline Glazes** and scored tile are the subjects of a beautifully illustrated color catalog. Shows how to plan distinctive floor patterns . . . also counter and wall treatments.—American-Olean Tile Co.

● Circle No. A405 on reply card, p. 20

**Plastic Floor Tile** is described in a series of descriptive data sheets. Shown in full color are asphalt, vinyl-asbestos, runner and vinyl tiles.—Mastic Tile Corp. of America.

● Circle No. A406 on reply card, p. 20

**Colors In Tile** is subject of a comprehensive 24-page catalog. Illustrated in color are rubber, vinyl and cork tile. Descriptions and specifications.—Kentile, Inc.

● Circle No. A407 on reply card, p. 20

### Wall coverings, paneling

**Wall Paneling**, prefinished wood and paintable hardboards . . . in a series of colorful brochures. Finishing instructions and approximate retail prices.—U. S. Plywood Corp.

● Circle No. A408 on reply card, p. 20

**Hardboard Materials** from wood fiber are described in two four-page brochures; with colored illustrations. Come in assorted finishes and as perforated wallboard.—Abitibi Corp.

● Circle No. A409 on reply card, p. 20

**Family-Proof** panels are illustrated in a brochure. Booklet illustrates wood paneling in various room settings, and suggests woods to be used.—Georgia-Pacific Corp.

● Circle No. A410 on reply card, p. 20

(Continued on page 124)

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# Builders!

**DOUBLE** your profit per house—  
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... with **GENERAL HOMES'**

## Total Prefabrication!

Wiring, Plumbing, Sheet Metal Work, Complete Kitchen Unit,  
Exterior and Interior Painting Included In House Package

### PATIO-GARAGE

12' x 24' with Overhead Door and picture window, is a big selling feature of the '59 Super Scotsman. Insulated, beautifully finished, it adds 300 sq. ft. of living-entertaining space in summer, shelter for car in winter, with plastic apron to protect floor.

### ALL-PURPOSE ROOM

may be substituted at buyer's option. Same extra space, with mahogany walls, cork-pattern asphalt tile floor, picture windows front and rear.

### Erection Time and Cost Virtually Cut in Half!

Whether you now build custom or pre-fab, you can quickly expand your business—and substantially increase your income—with the new '59 Super Scotsman, Series 800. They go up fast . . . **SELL** even faster because of many exclusive General Homes features. See one of these superior pre-fab homes, by far the best in the \$10,000-\$12,000 price range, and let us demonstrate how minimum finishing time can put *you* into big business—not at some future time, but **NOW!**

### The Home That Prospects **CAN'T RESIST**

*(Where else can you, the builder, find all these sales-winning features?)*  
300 extra square feet of floor space . . . 600 cubic feet of attic storage . . . choice of four kitchen arrangements to accommodate any washer-dryer combination . . . flexible sink location . . . optional half-bath or dressing closet in master bedroom . . . pass-through from kitchen to living room . . . choice of interior and exterior finishes . . . *at prices consistently lower than competition!*

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DIVISION OF GENERAL INDUSTRIES, INC.

FORT WAYNE, INDIANA

### We'll Fly You To Fort Wayne

If you are a qualified builder with available land within 450 miles of our factory, we'll send our company plane to bring you to our modern plant. Two model homes are here for your inspection. We'll demonstrate what total prefabrication can mean to you in savings and plus profit! Contact me personally—phone KEnmore 6221.

Wm. B. F. Hall, President

**Ford** HOMES ARE  
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**24 hours after delivery!**

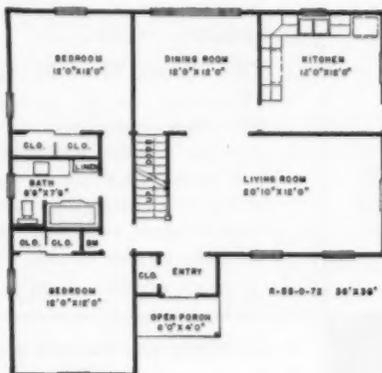
THAT'S RIGHT, BECAUSE . . .

- FORD LAYS THE FINISH FLOORING
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**Ford** factory-built **HOMES**  
Manufactured by IVON R. FORD, INC., McDonough, N. Y.

**CATALOG  
DIRECTORY**

**Gypsum Wallboard**, with plain or simulated wood grain finish, offers a fireproof, durable interior finish. Insulating types available. Catalog is 18 pages, with specifications.—National Gypsum Co.

● Circle No. A411 on reply card, p. 20

**Vinyl Coated** wall coverings and floor coverings of Koroseal are listed in this catalog. Also included: the textures and colors available; how to hang the wall covering.—The B. F. Goodrich Co.

● Circle No. A412 on reply card, p. 20

**Plastic Wall Tiles**, in 36 plain or marbleized colors. Four-page booklet shows wide variety of choice plus diagrams of outside corner and cap tiles.—Cermak Tile Co., Inc.

● Circle No. A413 on reply card, p. 20

**Wall Panels** of vinyl-metal laminate are shown in full color. Specifications give application instructions for steel and aluminum-backed panels.—Clad-Rex Corp.

● Circle No. A414 on reply card, p. 20

**Interior Plywood finishes** are the subject of a new 32-page catalog. Includes many attractive uses for both smooth and textured surfaces. Woods shown in full color, with physical characteristics and specification tables.—Simpson Logging Co.

● Circle No. A415 on reply card, p. 20

**V-Jointed Wood Panels** come with a permanent factory-finish. Can be installed directly to studs or furring strips. Pictured and explained in detail in a six-page color brochure.—Roddis Plywood Corp.

● Circle No. A416 on reply card, p. 20

**Plastic-Finished Wallpanels** are illustrated and described in an eight-page color pamphlet. Has installation instructions and data on aluminum moldings.—Marsh Wall Products, Inc.

● Circle No. A417 on reply card, p. 20

**Instructions** for the on-the-job installation of Formica are provided in a colorful catalog. Actual "how-to-do-it" photos show cutting, spreading, positioning and finishing techniques.—Formica Corp.

● Circle No. A418 on reply card, p. 20

**Laminated Plastic** comes in two thicknesses: 1/16" for countertops, 1/10" for application to walls. Shower-wall package contains basic materials for three-wall standard shower. In a 14-page catalog.—Consoweld Corp.

● Circle No. A419 on reply card, p. 20

(Continued on page 136)

## How to Lay Out a Building

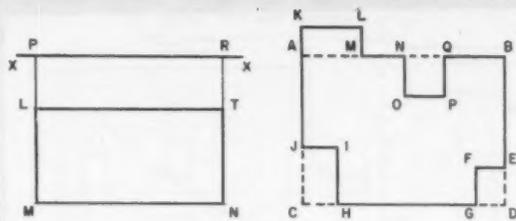
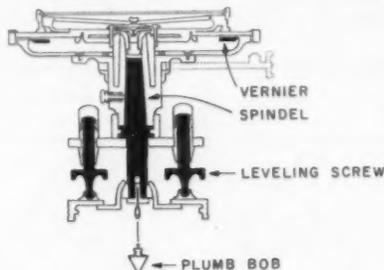


FIG. 1

FIG. 2

### HOW TO USE A TRANSIT

(Fig. 1): Using the plumb bob, suspended from the hook under the spindle, locate the station mark or corner of the lot or building to be laid out. Center the instrument directly over this point by shifting the legs of the tripod so that the plumb bob hangs directly over the station point. To bring plumb bob to this position, loosen leveling screws and shift instrument until the plumb bob points to center. Level up the instrument by tightening the leveling screws.



Street line in the illustration is XX. The corner of the proposed building is L, distance from the street line PL. Then a distance RT should be measured from the street, equal to PL, at a point determining the length of the proposed building. Now the line LT is parallel with the street. And LT represents the two front corners of the building.

To get the line at right angles to LT, leave the sights on the stake at T and turn the eyepiece end of the telescope to the left until the vernier has turned a right angle, or 90°. A sight along this new position will give the line LM, on which the necessary distance is measured off to determine the corner M. Now move level to T, and go through same operation to determine corner N.

To prove the correctness of the survey, check the distance MN, to see that it is the same as the distance LT.



FIG. 3

WHEN A BUILDING IS NOT A RECTANGLE (Fig. 2): In such a case, proceed as previously explained. However, additional points must be arranged for, and in that respect small errors are likely to creep in. In all cases, first lay out a large rectangle, along the outside extremities of the proposed building. This is represented by ABCD. These points established, the remaining portion of the layout will consist of small rectangles. Each of these can be laid out and proved separately. In the illustration (Fig. 2) these other rectangles are represented by EFGD, HJIC, KLMA and NOPQ.

ESTABLISHING LEVELS WITH A TRANSIT: Set up the instrument where points may be seen through the telescope. Level up the transit and take a reading where cross-hair cuts on the measuring rod. The rod is then moved to the second point to be established. Then rod is raised or lowered until the original reading is located. The bottom of the rod is then on the same level with the original point.

MEASURING DIFFERENCE IN ELEVATION (Figs. 3 and 4): If the instrument has been properly leveled and is not out of adjustment, the line of sight set up by the telescope when locked in the level position is horizontal in any direction. To obtain the difference in elevation between two points, such as points A and B, (Fig. 3) set up and level the instrument at an intermediate point, adjusting the tripod to any convenient height. Sight on a rod held over point A, note the reading where the horizontal cross-hair of the telescope cuts the graduation on the rod. Then, with the rod held on point B, rotate the telescope in a horizontal plane, again sight on the rod and note where the horizontal cross-hair cuts the graduation on the rod. The difference between the reading at A (6 ft.) and the reading at B (6 1/2 ft.) will give the difference in elevation between the two points. Point B is 1/2 ft. lower than point A. In making these readings, the telescope must be carefully focused on the rod or other object on which it is sighted.

When, for any reason such as irregularity of the ground or a large difference in elevation, the two points whose difference in elevation is to be determined cannot be sighted from a single point, "intermediate points" must be used, as shown in Fig. 4.

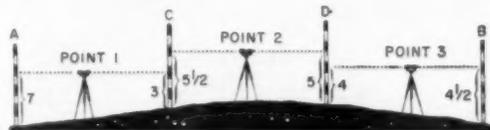
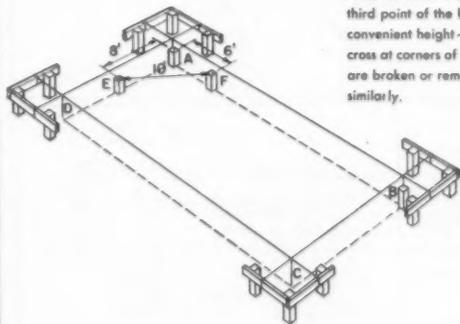


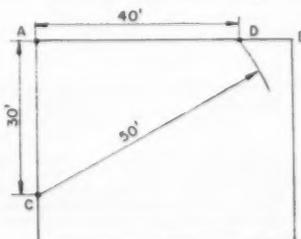
FIG. 4

### RIGHT TRIANGLE METHODS FOR LAYING OUT A BUILDING

Establish a base line to mark out one end or side of a building. Erect stakes A' and B' at ends of line and drive a nail in the center of each stake to locate accurately the corners. Next drive a stake along line AB exactly 8' from A. Then drive another stake in at a point B' from the center of stake A, and 10' from the center of stake F. EAF is then a right triangle, AE extended the proper distance to point D establishes the third point of the building. Set stakes and batter boards at corners beyond corners A, B, C, and D at some convenient height—usually top of foundation wall. Attach strings to batter boards and level. Strings must cross at corners of building. Nails should be driven in the batters where strings are fastened, so that if strings are broken or removed, they can be replaced accurately. Other corners of the building should be located similarly.



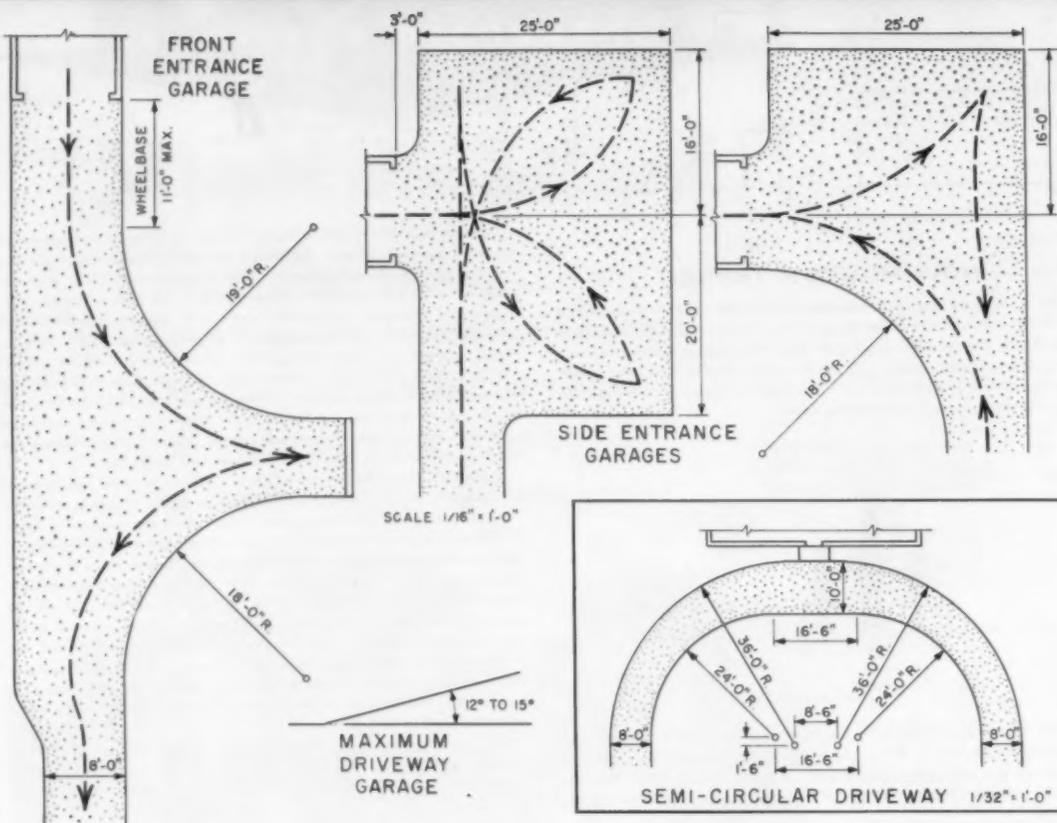
A and B can be any corners of a building. Along AB measure a distance of 40' with a steel tape. Approximately at right angles to A, measure a distance of 30' to a point C. From C, measure a distance of 50'. When points C and D are exactly 50' apart, angle CAD becomes a right angle.



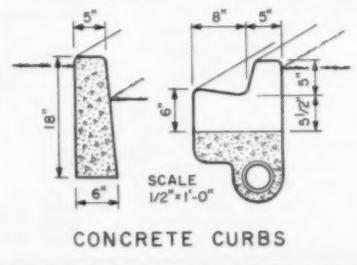
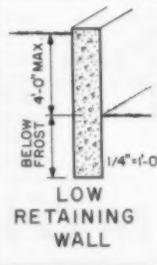
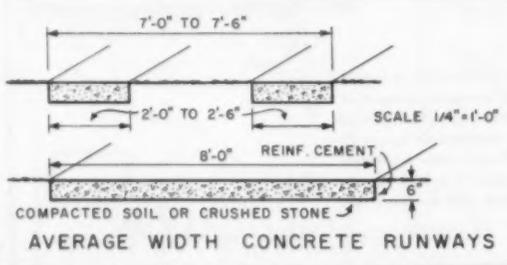
# SITE PLANNING

## Driveway Design

6

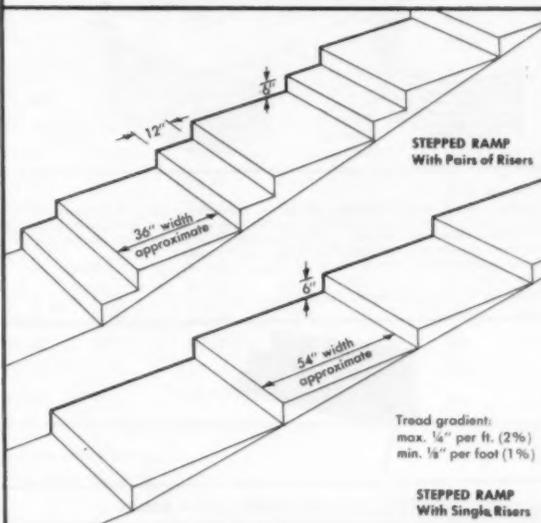
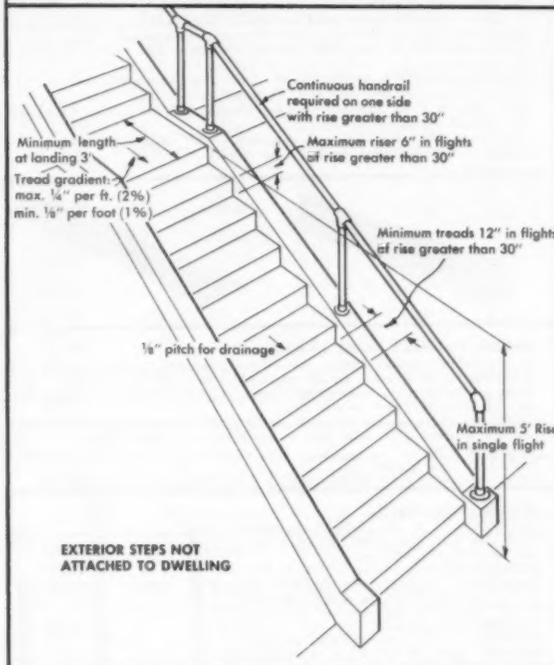
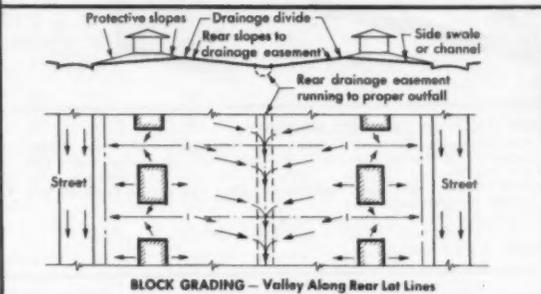
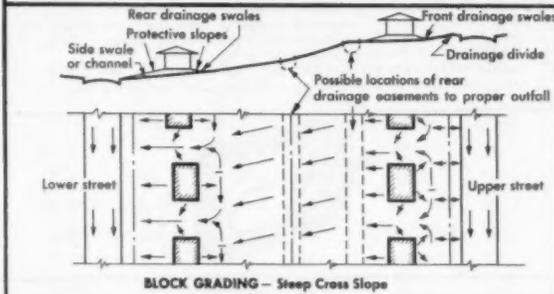
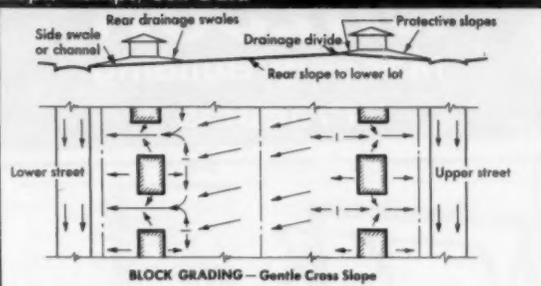
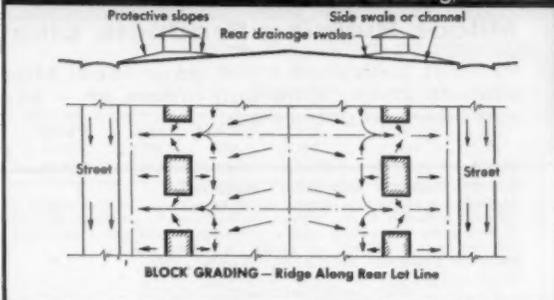


1959 AUTOMOBILES	LENGTH	WIDTH	WHEELBASE	OVERHANG	
				F	R
RAMBLER AMERICAN	178.3"	73"	100"	31"	47"
CADILLAC SPECIAL	225"	80.2"	130"	35.6"	51.7"



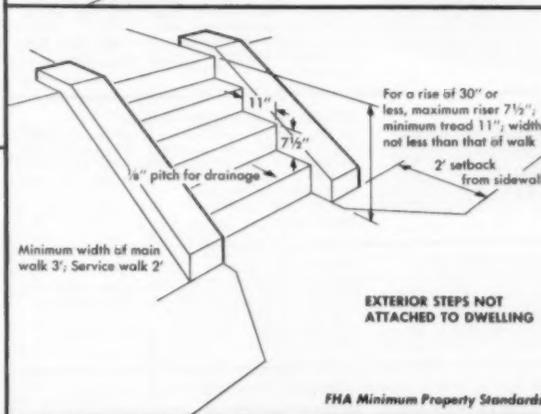
# SITE PLANNING

## Block Grading; Exterior Steps, Ramps; Soil Data



**Percentage of Difficulty of Excavation**

Maximum output figure assumes ideal conditions with skilled operator, no loading delays, in moist loam or light sandy clay. For other soils reduce calculations as follows: sand, gravel; 95%; ordinary earth; 80-85%; hard clay; 50-70%; well blasted rock; 45-55%; earth with roots and rocks; 35-45%; wet sticky clay; 30-40%; poorly blasted rock; 15-30%.



FHA Minimum Property Standards

6

# MILCOR®

## Masonry Building Products

### Newest Additions to the Milcor Building Products Line

Prompt deliveries from your local Milcor dealer's stock. One call orders all — saves you time and paperwork.



2-light Basement Window



No. 44 DV,  
4-light  
Utility  
Window

#### MILCOR BASEMENT AND UTILITY WINDOWS

**BASEMENT WINDOWS** — Easy to install. Large flanges on frame insure secure, draftless connection in wall opening. Nailing holes in top flange for attaching to wood plate. Available in Steel or Aluminum — with one or two lights. Two light can be furnished with cork gaskets for puttyless glazing.

**MASONRY OPENINGS:** 32½" x 14⅞" to 36½" x 22⅞".

**GLASS SIZES:** 2 light — 15" x 12" to 17" x 20";  
1 light — 30½" x 12" to 30½" x 20".

**PACKING:** Steel — 6 per bundle; Aluminum — 6 per carton.

**UTILITY WINDOWS** — Available in Steel or Aluminum — in single vent styles with four or six lights, or double-vent style with four lights.

**MASONRY OPENINGS:** 32½" x 42¾" to 48¾" x 42¾".

**GLASS SIZES:** 12" x 20" and 15" x 20".

**PACKING:** Steel — 4 per bundle; Aluminum — 4 per carton.

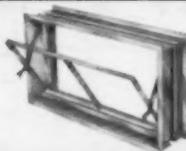
#### MILCOR E-Z POUR BASEMENT WINDOWS

For installation in poured concrete walls from 5¼" through 10" thick. Creates a permanent, steel framed concrete opening — eliminates need for window bucks. One man can install.

**WINDOW TYPES:** 2-light and 1-light types. 2-light type can be furnished with cork gaskets for puttyless glazing.

**GLASS SIZES:** 15" x 12", 15" x 16", 15" x 20";  
30½" x 12", 30½" x 16", 30½" x 20".

**PACKING:** 2 per bundle.



2-light  
E-Z Pour  
Basement Window



Round  
Areawall



Straight  
Areawall

#### MILCOR AREAWALLS

Round and Straight styles. Deep corrugated design and bright galvanized finish provide rigidity and maximum light reflection into basement. Made from Ti-Co Galvanized Steel for maximum corrosion resistance with formed rounded bead at top edge.

**DIMENSIONS:** 37" wide; 12" to 48" high in 6" increments. Round style has 16" projection; Straight style has 12" projection.

**PACKING:** 12", 18" and 24" — 6 per bundle; 30" and 36" — 4 per bundle; 42" and 48" — 3 per bundle.

Foundation Grille Areawalls also available — 17" wide x 12" high x 4" projection — not corrugated. Packed 6 per bundle.

#### MILCOR LINTELS

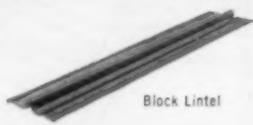
Roll-formed, ribbed design provides engineered strength, allows proper space for uniform, solid bed of mortar. No tuck-pointing required, no deep-grouting of cement block. Lintels lie flat — no twisting, bending, or warping. Prime roll-formed steel. Baked-on, rust-inhibitive prime paint coating.

**LENGTHS:** Brick lintels — 2'-0" to 7'-6". Block lintels for 6" and 8" block — 2'-6" to 5'-0".

**PACKING:** 6, 4 or 3 per bundle, dependent on size.



Brick Lintel



Block Lintel



Fireplace Dome Damper

#### MILCOR FIREPLACE DOME DAMPERS

Simple design provides lasting, trouble-free operation. Ample masonry flange facilitates laying of brick. Damper equipped with either chain or poker control. Made of rust-resistant, heat-resistant Steel — damper leaf won't warp. Baked-on, rust-inhibitive paint coating.

**SIZES:** For fireplace-opening widths of 30", 32", 36", 42", and 48". Overall width of damper is 3" more than fireplace opening; overall depth, 11"; overall height, 8½".

**PACKING:** 2 per bundle.

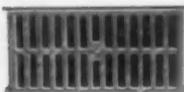


#### MILCOR CRAWL SPACE DOORS

Provide ready access to crawl spaces under basementless houses. Heavy-gauge Steel with ample flanges for secure installation.

**NOMINAL SIZES:** 32" x 12"; 32" x 16"; 32" x 20".

**PACKING:** 32" x 20" — 3 per carton. Others — 6 per carton.



#### MILCOR FOUNDATION GRILLES

For any type of masonry construction. Fit openings the size of one concrete block. With screen and adjustable shutter, or with screen only. Available in Galvanized Steel, Sheet Aluminum or Cast Aluminum.

**SIZE:** 16" x 8".

**PACKING:** 12 per carton.



#### MILCOR ASH DUMPS

Installed in bottom of fireplace to facilitate ash removal. Extra-wide flanges simplify installation. Stamped from hot-rolled steel.

**SIZE:** Double-leaf unit with 4" x 8" opening.

**PACKING:** 12 per carton.

#### MILCOR STEEL POSTS

**VARI-POST** — A telescoping, adjustable steel post, with jack screw, for extra support or elimination of floor sag.

**SIZES:** No. 84 (adjusts from 5'-0" to 8'-4"); No. 79 (4'-9" to 7'-9"); No. 73 (5'-0" to 7'-3"); No. 46 (2'-9" to 4'-6"); No. 29 (1'-10" to 2'-9"); No. 22 (16" to 22").

**PACKING:** One per carton.

**E-Z POST** — For permanent steel post installation. One man sets it up — no need to shim or fit by trial and error. Cap plate and adjusting unit integral with post. Base plate furnished.

**SIZES:** From 6'-6" to 8'-0" in 3" increments. Each post has a 3" adjustable range. Size shown is maximum.

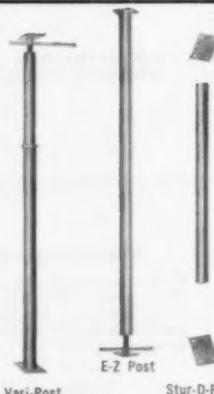
**PACKING:** Four per bundle.

**STUR-D-POST** — Engineered for heavy loads — structurally acceptable and approved by local building codes.

**SIZES:** 3" O.D. x 11 ga., 3½" O.D. x 13 ga., 3½" O.D. x 11 ga., 4" O.D. x 13 ga., 4" O.D. x 11 ga.

**LENGTHS:** 6'-0" to 8'-0".

**PACKING:** Eight per bundle. Cap and base plates optional accessories.



Vari-Post

E-Z Post

Stur-D-Post

Write for price list and Catalog No. 260.

**INLAND STEEL PRODUCTS COMPANY**

Member of the Steel Family

DEPT. D, 4025 WEST BURNHAM STREET • MILWAUKEE 1, WISCONSIN

ATLANTA, BALTIMORE, BUFFALO, CHICAGO, CINCINNATI, CLEVELAND,

DALLAS, DENVER, DETROIT, KANSAS CITY, LOS ANGELES, MILWAUKEE,

NEW ORLEANS, NEW YORK, ST. LOUIS, ST. PAUL.

CP-38

# CONCRETE, MASONRY, TILE, BRICK

## Estimating Concrete Masonry

### NOMINAL LENGTH OF CONCRETE MASONRY WALLS BY STRETCHERS

(Based on units 15 1/2" long and half units 7 1/2" long with 3/8" thick head joints)

LENGTH OF WALL	NO. OF UNITS										
0'-8"	1/2	20'-8"	15 1/2	40'-8"	30 1/2	60'-8"	45 1/2	80'-8"	60 1/2	100'-8"	75 1/2
1'-4"	1	21'-4"	16	41'-4"	31	61'-4"	46	81'-4"	61	101'-4"	76
2'-0"	1 1/2	22'-0"	16 1/2	42'-0"	31 1/2	62'-0"	46 1/2	82'-0"	61 1/2	102'-0"	76 1/2
2'-8"	2	22'-8"	17	42'-8"	32	62'-8"	47	82'-8"	62	102'-8"	77
3'-4"	2 1/2	23'-4"	17 1/2	43'-4"	32 1/2	63'-4"	47 1/2	83'-4"	62 1/2	103'-4"	77 1/2
4'-0"	3	24'-0"	18	44'-0"	33	64'-0"	48	84'-0"	63	104'-0"	78
4'-8"	3 1/2	24'-8"	18 1/2	44'-8"	33 1/2	64'-8"	48 1/2	84'-8"	63 1/2	104'-8"	78 1/2
5'-4"	4	25'-4"	19	45'-4"	34	65'-4"	49	85'-4"	64	105'-4"	79
6'-0"	4 1/2	26'-0"	19 1/2	46'-0"	34 1/2	66'-0"	49 1/2	86'-0"	64 1/2	106'-0"	79 1/2
6'-8"	5	26'-8"	20	46'-8"	35	66'-8"	50	86'-8"	65	106'-8"	80
7'-4"	5 1/2	27'-4"	20 1/2	47'-4"	35 1/2	67'-4"	50 1/2	87'-4"	65 1/2	107'-4"	80 1/2
8'-0"	6	28'-0"	21	48'-0"	36	68'-0"	51	88'-0"	66	108'-0"	81
8'-8"	6 1/2	28'-8"	21 1/2	48'-8"	36 1/2	68'-8"	51 1/2	88'-8"	66 1/2	108'-8"	81 1/2
9'-4"	7	29'-4"	22	49'-4"	37	69'-4"	52	89'-4"	67	109'-4"	82
10'-0"	7 1/2	30'-0"	22 1/2	50'-0"	37 1/2	70'-0"	52 1/2	90'-0"	67 1/2	110'-0"	82 1/2
10'-8"	8	30'-8"	23	50'-8"	38	70'-8"	53	90'-8"	68	110'-8"	83
11'-4"	8 1/2	31'-4"	23 1/2	51'-4"	38 1/2	71'-4"	53 1/2	91'-4"	68 1/2	111'-4"	83 1/2
12'-0"	9	32'-0"	24	52'-0"	39	72'-0"	54	92'-0"	69	112'-0"	84
12'-8"	9 1/2	32'-8"	24 1/2	52'-8"	39 1/2	72'-8"	54 1/2	92'-8"	69 1/2	112'-8"	84 1/2
13'-4"	10	33'-4"	25	53'-4"	40	73'-4"	55	93'-4"	70	113'-4"	85
14'-0"	10 1/2	34'-0"	25 1/2	54'-0"	40 1/2	74'-0"	55 1/2	94'-0"	70 1/2	114'-0"	85 1/2
14'-8"	11	34'-8"	26	54'-8"	41	74'-8"	56	94'-8"	71	114'-8"	86
15'-4"	11 1/2	35'-4"	26 1/2	55'-4"	41 1/2	75'-4"	56 1/2	95'-4"	71 1/2	115'-4"	86 1/2
16'-0"	12	36'-0"	27	56'-0"	42	76'-0"	57	96'-0"	72	116'-0"	87
16'-8"	12 1/2	36'-8"	27 1/2	56'-8"	42 1/2	76'-8"	57 1/2	96'-8"	72 1/2	116'-8"	87 1/2
17'-4"	13	37'-4"	28	57'-4"	43	77'-4"	58	97'-4"	73	117'-4"	88
18'-0"	13 1/2	38'-0"	28 1/2	58'-0"	43 1/2	78'-0"	58 1/2	98'-0"	73 1/2	118'-0"	88 1/2
18'-8"	14	38'-8"	29	58'-8"	44	78'-8"	59	98'-8"	74	118'-8"	89
19'-4"	14 1/2	39'-4"	29 1/2	59'-4"	44 1/2	79'-4"	59 1/2	99'-4"	74 1/2	119'-4"	89 1/2
20'-0"	15	40'-0"	30	60'-0"	45	80'-0"	60	100'-0"	75	120'-0"	90

### NOMINAL HEIGHT OF CONCRETE MASONRY WALLS BY COURSES

(Based on units 7 1/2" high and 3/8" thick mortar joints)

HEIGHT OF WALL	NO. OF UNITS						
0'-8"	1	8'-8"	13	16'-8"	25	24'-8"	37
1'-4"	2	9'-4"	14	17'-4"	26	25'-4"	38
2'-0"	3	10'-0"	15	18'-0"	27	26'-0"	39
2'-8"	4	10'-8"	16	18'-8"	28	26'-8"	40
3'-4"	5	11'-4"	17	19'-4"	29	27'-4"	41
4'-0"	6	12'-0"	18	20'-0"	30	28'-0"	42
4'-8"	7	12'-8"	19	20'-8"	31	28'-8"	43
5'-4"	8	13'-4"	20	21'-4"	32	29'-4"	44
6'-0"	9	14'-0"	21	22'-0"	33	30'-0"	45
6'-8"	10	14'-8"	22	22'-8"	34	30'-8"	46
7'-4"	11	15'-4"	23	23'-4"	35	31'-4"	47
8'-0"	12	16'-0"	24	24'-0"	36	32'-0"	48

### HOW TO USE THESE TABLES

The tables on this page are an aid to estimating and designing with standard concrete masonry units. The following are examples of how they can be used to advantage.

Example:  
Estimate the number of units required for a wall 76' long and 12' high.

From table: 76' = 57 units

12' = 18 courses

57 x 18 = 1026 = No. masonry units required.

Example:

Estimate the number of units required for a foundation 24' x 30' - 11 courses high.

2 x 24 - 30 = 108' = distance around foundation.

From table: 108' = 81 units

81 x 11 = 891 = No. masonry units required.

This table can also be useful in the layout of a building on a modular basis to eliminate cutting of units. Example: If design calls for a wall 41' long it can be found from the table that making this wall 41'-4" will eliminate cutting units and consequent waste. Example: If the distance between two openings has been tentatively established at 2'-9", consulting the table will show that 2'-8" dimension would eliminate cutting of units.

# CONCRETE, MASONRY, TILE, BRICK

## Concrete Estimating

### CUBIC YARD CONTENTS OF WALLS AND SLABS

No. SQ. FT. IN WALL	THICKNESS OF WALL IN INCHES											
	2"	4"	6"	8"	10"	12"	14"	16"	18"	20"	22"	24"
1	.0062	.0124	.0185	.0247	.0308	.037	.043	.049	.055	.062	.068	.074
2	.0124	.0248	.0370	.0492	.0616	.074	.086	.099	.111	.123	.136	.148
3	.0186	.0372	.0555	.0741	.0924	.111	.129	.148	.166	.185	.203	.222
4	.0248	.0496	.0740	.0988	.1232	.148	.173	.197	.222	.246	.271	.296
5	.0310	.0620	.0925	.1235	.1540	.185	.216	.247	.277	.308	.339	.370
6	.0372	.0744	.1110	.1482	.1848	.222	.259	.296	.333	.369	.407	.444
7	.0434	.0868	.1295	.1729	.2156	.259	.302	.346	.385	.431	.475	.518
8	.0496	.0992	.1480	.1976	.2464	.296	.345	.395	.444	.493	.542	.592
9	.0558	.1116	.1665	.2223	.2772	.333	.389	.445	.499	.554	.610	.666
10	.0620	.1240	.1850	.2470	.3080	.370	.432	.494	.555	.616	.678	.740
20	.124	.248	.370	.492	.616	.740	.864	.988	1.108	1.232	1.356	1.480
30	.186	.372	.555	.741	.924	1.110	1.296	1.482	1.665	1.848	2.034	2.220
40	.248	.496	.740	.988	1.232	1.481	1.728	1.976	2.220	2.464	2.712	2.960
50	.310	.620	.925	1.235	1.540	1.852	2.160	2.470	2.775	3.080	3.390	3.704
60	.372	.744	1.110	1.482	1.848	2.222	2.592	2.964	3.330	3.696	4.068	4.444
70	.434	.868	1.295	1.729	2.156	2.592	3.024	3.458	3.885	4.312	4.746	5.184
80	.496	.992	1.480	1.976	2.464	2.962	3.456	3.952	4.440	4.928	5.424	5.924
90	.558	1.116	1.665	2.223	2.772	3.333	3.888	4.446	4.995	5.544	6.102	6.666
100	.62	1.24	1.85	2.47	3.08	3.70	4.32	4.94	5.55	6.16	6.78	7.41
200	1.24	2.48	3.70	4.92	6.16	7.40	8.64	9.88	11.08	12.32	13.56	14.80
300	1.86	3.72	5.55	7.41	9.24	11.10	12.96	14.82	16.65	18.48	20.34	22.20
400	2.48	4.96	7.40	9.88	12.32	14.81	17.28	19.76	22.20	24.64	27.12	29.60
500	3.10	6.20	9.25	12.35	15.40	18.52	21.60	24.70	27.75	30.80	33.90	37.04
600	3.72	7.44	11.10	14.82	18.48	22.22	25.92	29.64	33.30	36.96	40.68	44.44
700	4.34	8.68	12.95	17.29	21.56	25.92	30.24	34.58	38.85	43.12	47.46	51.84
800	4.96	9.92	14.80	19.76	24.64	29.62	34.56	39.52	44.40	49.28	54.24	59.24
900	5.58	11.16	16.65	22.23	27.72	33.33	38.88	44.46	49.95	55.44	61.02	66.66
1000	6.20	12.40	18.50	24.70	30.80	37.04	43.20	49.40	55.50	61.60	67.80	74.06

#### HOW TO USE THIS TABLE

This table gives the cubic yard factors to use in estimating quantities of concrete required for walls, slabs, walks or drives when the square footage is known.

Example: Find the number of cubic yards of concrete required for the walls of a foundation 24' x 30' x 8' - 10" thick.

$$2 \times (24 + 30) \times 8 = 864 \text{ sq. ft.}$$

Use factors from table for 10" wall thickness:

$$800 \text{ sq. ft.} = 24.64 \text{ cu. yds.}$$

$$60 \text{ sq. ft.} = 1.848 \text{ cu. yds.}$$

$$4 \text{ sq. ft.} = .123 \text{ cu. yds.}$$

$$26.611 \text{ cu. yds. of concrete required.}$$

Where concrete thickness is an odd number of inches use factors for double the thickness and divide result by 2. Example: For 9" walls use 18" factors and divide final quantity in half.

### CONCRETE FOOTING QUANTITY FACTORS

(Cu. Yd. per 10 Lin. Ft.)

DEPTH IN INCHES	WIDTH OF FOOTING IN INCHES									
	6	8	10	12	14	16	18	20	22	24
6	.093	.124	.154	.185	.217	.248	.278	.308	.340	.370
8	.124	.165	.205	.247	.289	.330	.370	.410	.451	.494
10	.155	.206	.256	.308	.360	.412	.462	.512	.564	.616
12	.185	.247	.308	.370	.432	.494	.555	.616	.678	.740
14	.216	.288	.360	.432	.504	.576	.648	.720	.792	.864
16	.247	.329	.410	.494	.576	.658	.739	.820	.904	.988
18	.278	.370	.462	.555	.648	.740	.832	.924	1.017	1.110
20	.309	.411	.513	.617	.720	.820	.924	1.024	1.130	1.234
22	.339	.452	.564	.679	.791	.900	1.016	1.128	1.243	1.358
24	.37	.494	.616	.740	.864	.988	1.110	1.232	1.360	1.480

#### HOW TO USE THIS TABLE

This table gives the cubic yard factors to use in estimating quantities of concrete required for footings when the total lineal feet is known.

Example: Find the number of cubic yards of concrete required for a footing 18" wide, 10" thick for a foundation wall 24' x 30'

$$2 \times (24 + 30) = 108 \text{ lin. ft.}$$

From the table it is found that 10 lin. ft. of 18" x 10" footing contains .462 cu. yds. (or .0462 for 1 lin. ft.)

$$\text{Multiply } .0462 \times 108 = 4.989 \text{ cu. yds. concrete required}$$

$$\text{or } .462 \times 10.8 = 4.989 \text{ cu. yds.}$$

NOTE: This table is also useful in estimating the quantity of earth to be removed from footing excavations. Follow the same procedure as outlined above.

# CONCRETE, MASONRY, TILE, BRICK

## Estimating Brick Masonry

**TABLE 1**  
**FOUR-INCH MODULAR-BRICK FACING WALLS**  
**RUNNING BOND**  
(Full Bed and Head Joints)

Nominal Size of Brick*	Number of Brick per Sq. Ft. of Wall	Cu. Ft. of Mortar per Sq. Ft. of Wall**		Cu. Ft. of Mortar per 1000 Brick**	
		3/8" Joint	1/2" Joint	3/8" Joint	1/2" Joint
2-2/3x4x8	6.75	0.0608	0.0765	8.90	11.30
2-2/3x4x12	4.50	0.0535	0.071	11.90	15.80
2x4x12	6.00	0.0676	0.09	11.30	15.00
4x4x8	4.50	0.0432	0.0575	9.60	12.80
4x4x12	3.00	0.039	0.052	13.00	17.30

\*Actual size plus thickness of one joint

\*\*10% added for waste

### MODULAR-BRICK

In Table 1 are quantities of units and mortar required to construct a 4-in. wall using 5 sizes of modular brick with two joint thicknesses. The mortar quantities shown are for the bed and head joints only. If this facing is to be applied to a backup wall, the quantity of mortar required for the interior vertical or collar joint must be added. These quantities are as follows:

.0313 cu. ft. for 1 sq. ft. mortar joint 3/8-in thick.

.0365 cu. ft. for 1 sq. ft mortar joint 1/2-in thick.

.0417 cu. ft. for 1 sq. ft. mortar joint 3/4" thick.

The brick quantities shown are for brick laid in running bond. For other bonds in which full headers are used, the correction factors in Table 4 must be added. The 2-2/3x4x8-in. size brick is commonly referred to as the "Standard Modular" size.

**TABLE 2**  
**EIGHT- AND TWELVE-INCH BRICK BACKUP WALLS**  
**IN RUNNING BOND**  
(Full Bed, Head and Collar Joints)

Nominal Size of Brick*	Number of Brick	8" Wall Cu. Ft. of Mortar**		Number of Brick	12" Wall Cu. Ft. of Mortar**	
		3/8" Joint	1/2" Joint		3/8" Joint	1/2" Joint
2-2/3x4x8	13.50	0.1544	0.1988	20.25	0.2489	0.3211
4x4x8	9.00	0.1210	0.1610	13.50	0.1984	0.2641

\*Actual size plus thickness of one joint

\*\*10% added for waste

Mortar for interior vertical joints (paring or plastering) per 100 sq. ft. of joint.

3/8" joint.....3.13 cu. ft.

1/2" joint.....3.65 cu. ft.

3/4" joint.....4.17 cu. ft.

**TABLE 3**  
**NON-MODULAR SOLID-BRICK WALLS IN RUNNING BOND**  
(No headers, or pattern made with blind headers)

WALL AREA SQ. FT.	4-IN. WALL		8-IN. WALL		12-IN. WALL		16-IN. WALL	
	No. OF BRICK	CU. FT. MORTAR						
1	6.16	.0271	12.32	.19	18.48	.3	24.64	.4132
10	62	.721	124	1.86	185	3	247	4.2
20	124	1.5	247	3.72	370	6	493	8.3
30	185	2.2	370	5.6	555	9	740	12.4
40	247	2.9	493	7.5	740	12	986	16.6
50	308	3.6	616	9.3	924	15	1232	20.7
60	370	4.4	740	11.15	1109	18	1479	24.8
70	432	5.1	863	13	1294	21	1725	29
80	493	5.8	986	14.9	1479	24	1972	33.1
90	555	6.5	1109	16.75	1664	27	2218	37.2
100	616	7.25	1232	18.6	1848	30	2464	41.4
200	1232	14.5	2464	37.2	3696	60	4928	82.7
300	1848	21.7	3696	55.75	5544	90	7392	124
400	2464	29	4928	74.33	7392	120	9856	165.3
500	3080	36	6160	92.90	9240	150	12320	207
1000	6160	72.1	12320	185.8	18480	300	24640	413.2

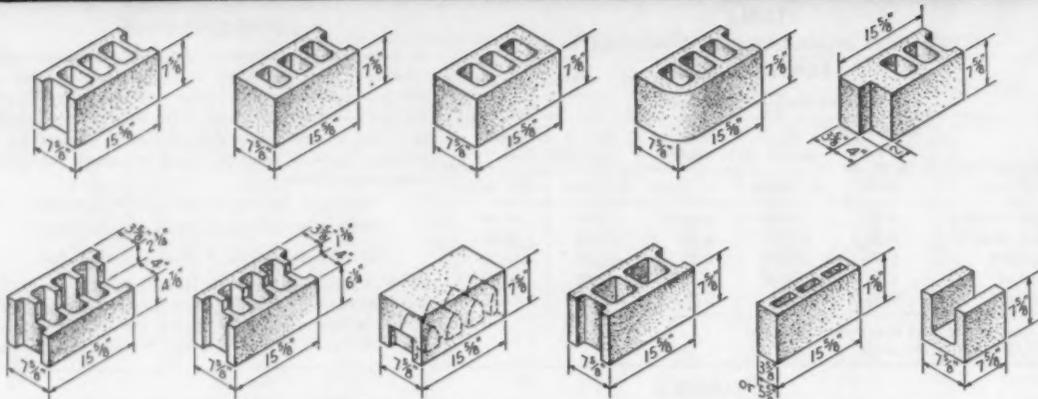
NOTE: 1/2" joints completely filled, including vertical interior joints of 8-in., 12-in. and 16-in. walls. For estimating number of facing and backup brick in any particular type of bonds use correction factor Table 4.

**TABLE 4**  
**CORRECTION FACTORS TO BE APPLIED TO 4-INCH WALL QUANTITIES FOR ESTIMATING THE REQUIRED NUMBER OF FACING BRICK IN VARIOUS BONDS**

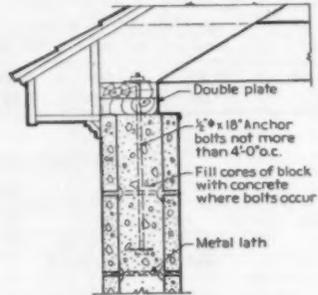
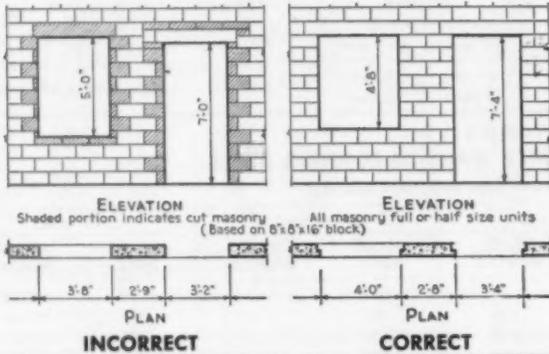
TYPE OF BOND	CORRECTION FACTOR
Common bond with full header every 5th course.....	20% or 1/5
Common bond with full header every 6th course.....	16.7% or 1/6
Common bond with full header every 7th course.....	14.3% or 1/7
English bond, alternate courses full headers.....	50% or 1/2
English or Dutch bond with full headers every 6th course and blind headers in intermediate courses.....	16.7% or 1/6
Flemish bond, alternate stretchers and full headers every course.....	33.3% or 1/3
Flemish bond, with stretchers and full headers every 6th course, intermediate courses with blind headers.....	5.6% or 1/8
Flemish cross bond, alternate courses with stretchers and headers.....	16.7% or 1/6
Double header and stretcher every 6th course.....	8.3% or 1/12
Double header and stretcher every 5th course.....	10% or 1/10

# CONCRETE, MASONRY, TILE, BRICK

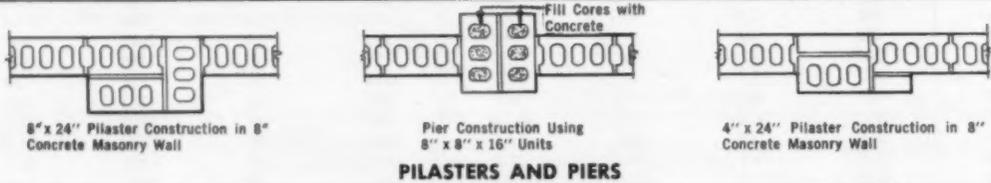
## Concrete Block and Brick Details



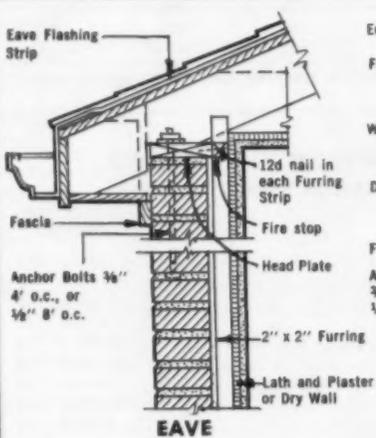
TYPICAL SHAPES AND SIZES OF CONCRETE MASONRY UNITS



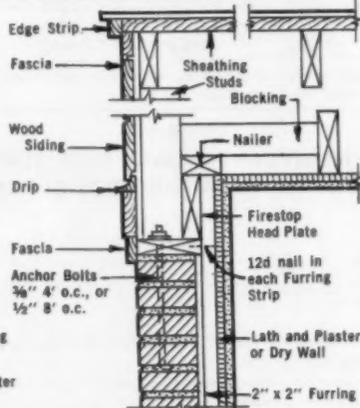
FASTENING TOP PLATE TO WALL



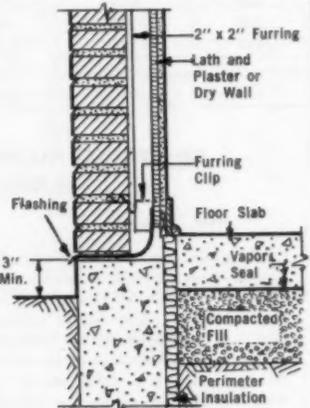
PILASTERS AND PIERS



EAVE



WOOD GABLE



SLAB ON GRADE

Courtesy Portland Cement Association; Structural Clay Products Institute

7

# CONCRETE, MASONRY, TILE, BRICK

## Concrete Data

RECOMMENDED MIXES FOR SEVERAL CLASSES OF SMALL-HOUSE CONSTRUCTION							
Kind of Work	U. S. gallons of water to add to each 1-sack batch			Trial mixture for first batch			Maximum aggregate size
	Damp sand & coarse aggregate	Wet sand & coarse aggregate	Very wet sand & cse. agg.	Cement	Sand	Coarse Aggregate	
				sacks	cu. ft.	cu. ft.	in.
Foundation walls which need not be watertight, mass concrete for footings, retaining walls, garden walls, etc.	6¼	Average sand 5½	4¼	1	2¼	4	1½
Watertight basement walls, walls above ground, Well curbs and platforms, cisterns, septic tanks, watertight floors, sidewalks, stepping-stone and flagstone walks, driveways, play courts, porch floors, basement floors, steps, piers, columns, etc.	5½	Average sand 5	4¼	1	2¼	3	1½

Source: National Association of Home Builders Research Institute

### HOW TO LAY CONCRETE IN COLD WEATHER

#### 1. Heat the Materials

- Have concrete temperatures between 50° and 70° for slabs and building frames.
- For air temperatures between 30° and 40° F., heat the mixing water.
- For air temperatures below 30° F., heat mixing water and sand or both sand and coarse aggregate.
- Cover aggregate piles with tarps while heating.
- Avoid frozen aggregate lumps in concrete at time it leaves the mixer.
- Don't overheat. It may result in flash set.

#### 2. Use Accelerators Carefully

- Don't use more than 2 lb. of calcium chloride per sack of cement to hasten hardening.
- Don't depend on any chemicals to prevent freezing.
- Don't use calcium chloride with other mixtures which accelerate hardening.

#### 3. Provide Suitable Curing Temperatures

- Maintain temperature of concrete at 70° or above for three days or 50° or above for five days.
- Maintain temperature of high-early-strength concrete at 70° or above for two days or 50° or above for three days.
- Do not allow concrete to freeze during next four days.
- Cool concrete gradually at rate of one to two degrees per hour.

#### 4. Protect the Concrete

- Insulation without artificial heat is often sufficient protection for slabs on ground and heavy sections.
- At lower temperatures, housing and artificial heat are necessary.
- Raise heating units above floor to avoid rapid drying of concrete underneath.
- Keep concrete moist, especially near heating units.

#### 5. Remove Forms at Proper Time

- Allow ample time for concrete to attain required strength.

### COLD-WEATHER CONCRETE-MASONRY CONSTRUCTION

If the air temperature is:

#### Below 40 Deg. F. But Above Freezing

All masonry materials should be covered and properly stored to prevent them from becoming wet from rain, ice or snow. The mixing water should be heated, but not over 160 deg. F. Temperature of mortar when placed in the wall should not exceed 100 deg. F. or be less than 70 deg. F. Protective coverings should be placed over the newly laid masonry walls.

#### Below Freezing But Above 0 Deg. F.

In addition to the preceding requirements the sand should be heated. The working area should be enclosed with protective coverings and artificial heat should be provided by salamanders or

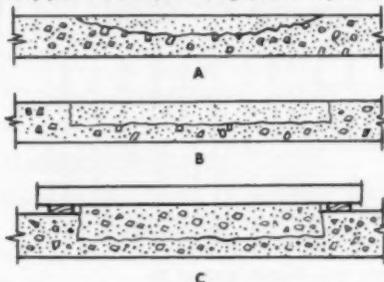
Balance of material courtesy Portland Cement Association.



**COMPACTING:** To compact concrete in foundation walls, a mechanical vibrator is ideal (although puddling or spading the concrete down is perfectly acceptable). Vertical penetration of vibrator, above, left, a few inches into previous lift at systematic regular intervals will give adequate consolidation. Random penetration, above, right, will not insure combination of layers, and will distribute aggregate badly.



**PLACING SLAB CONCRETE:** Concrete should be dumped into face of previously placed concrete, as above, left. Dumping away from previously placed concrete, above, right, causes separation.



**PATCHING:** Incorrect (A) and correct (B) methods of installing a patch are shown. The chipped area should be at least one inch deep with the edges at right angles to the surface. Correct method of screeding patch is shown above (C). The new concrete should project slightly beyond the surface of the old concrete. It should be allowed to stiffen and then troweled or otherwise finished to match and be flush with adjoining surfaces.

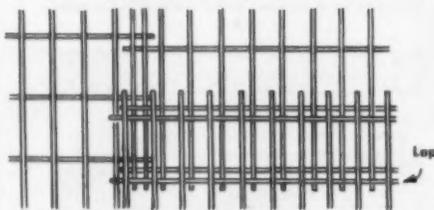
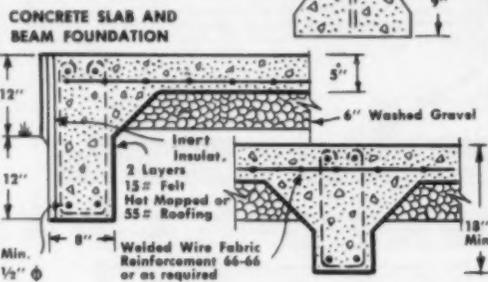
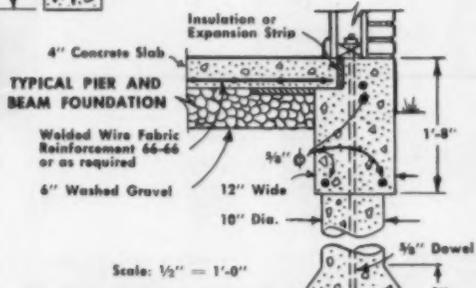
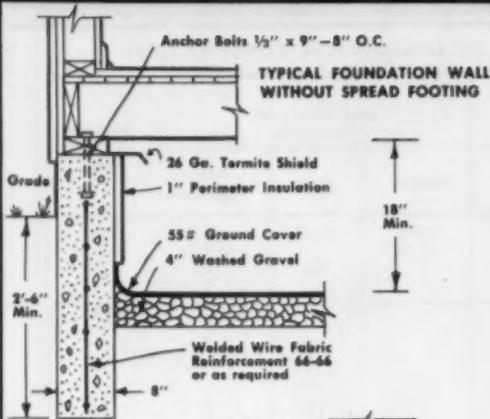
portable heaters. When the temperature falls below 20 deg. F. all concrete-masonry units (hollow and solid) should be heated to at least 50 deg. F.

#### Below 0 Deg. F.

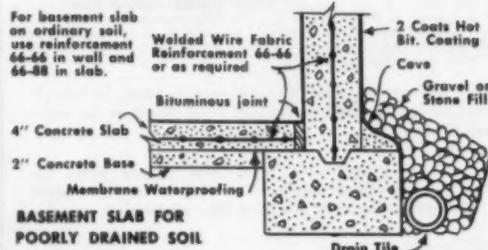
Concrete-masonry construction should be stopped unless for emergencies, when great care must be taken to insure complete and tight enclosures plus all the preceding requirements.

# CONCRETE, MASONRY, TILE, BRICK

## Selected Wire Reinforcement Details



WELDED WIRE FABRIC SHOULD BE LAPPED AS INDICATED TO SECURE MAXIMUM REINFORCEMENT



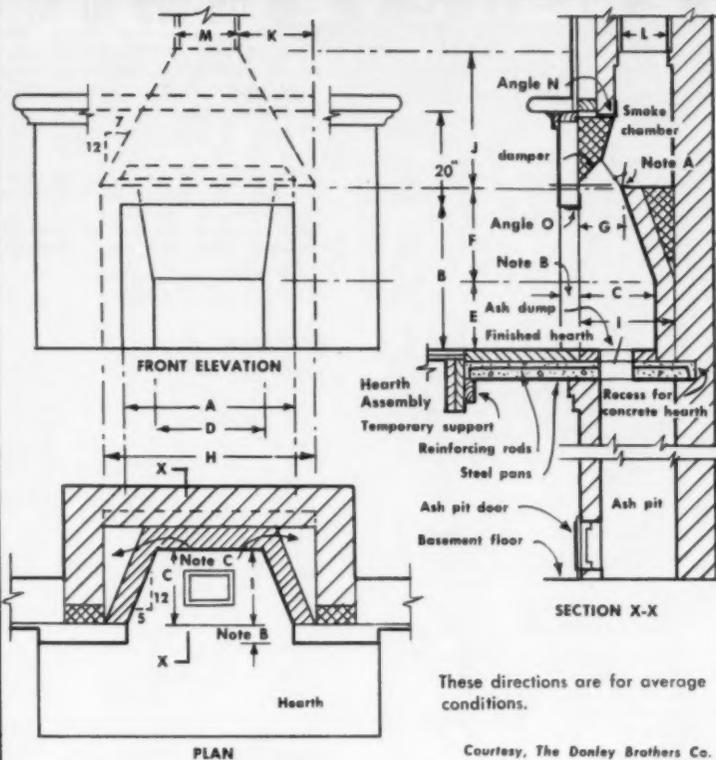
### RECOMMENDED STYLES OF WELDED WIRE FABRIC FOR VARIOUS REINFORCED CONCRETE PROJECTS

TYPE OF CONSTRUCTION	RECOMMENDED STYLE	REMARKS
BARBECUE FOUNDATION SLAB	6x6-6/6 to 4x4-6/6	Use heavier fabric for heavier, more massive fireplaces or barbecue pits.
BASEMENT FLOORS	6x6-10/10 or 6x6-6/6	For small areas (15' maximum dimension) use 6x6-10/10. As a rule of thumb, the larger the area, the poorer the sub-soil, the heavier the gauge. Fabric must not pass through joints.
DRIVEWAYS	6x6-6/6	Continuous reinforcement between 25 to 30 foot contraction joints, 1½-3 inch clearance at sides and joints.
FOUNDATION SLABS (Residential only)	6x6-10/10	Use heavier gauge over poorly drained sub-soil, when maximum dimension is greater than 15 feet, or when heating ducts are embedded.
GARAGE FLOORS	6x6-6/6	Fabric must not pass through joints.
PATIOS & TERRACES	6x6-10/10	Use 6x6-6/6 if sub-soil is poorly drained.
PORCH FLOOR		Position on nails or blocks one inch from bottom form to resist tensile stresses.
	a. 6" thick slab up to 6' span	6x6-6/6
	b. 6" thick slab up to 8' span	4x4-4/4
SIDEWALKS	6x6-10/10	Use heavier gauge over poorly drained sub-soil. Construct 25 to 30 foot slabs as for driveways, but form "dummy" joints for appearance. For narrow walk, cut lengths of fabric in half longitudinally.
STEPS (Free span)	6x6-6/6	Use heavier style if more than 5 risers. Position fabric 1 inch from bottom form.
STEPS (On the ground)	6x6-6/6	

Courtesy Wire Reinforcement Institute, Inc.

# CONCRETE, MASONRY, TILE, BRICK

## Fireplace Design



### DIRECTIONS

In the fireplace illustrations the open hatching indicates the materials installed when the chimney is built and the close and cross hatching shows that part installed with the finished fireplace. The generally accepted practice is to complete the rough brickwork of the fireplace from ash pit footings to chimney top before undertaking the installation of the finished interior and front. There is an alternate method by which both rough masonry and the finished front and interior are built up together. The second is presumed to save some of the cost, but it also results in more faulty fireplaces, and corrective work is more difficult and costly.

The illustrations of Plan, Elevation and Section have letters shown in the dimension spaces. These letters will be found at top of the columns in the Table of Dimensions below, where figures are given for the parts, corresponding to the letters, of 12 typical sizes of fireplaces.

First select the width of your fireplace opening, found in the left-hand column. The next column to the right gives an appropriate height. Following to the right are the dimensions of the other parts and also the necessary equipment.

These directions are for average conditions.

Courtesy, The Donley Brothers Co.

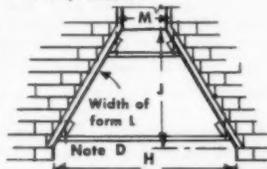
### NOTES

A — The back flange of the damper must be protected from intense heat by being fully supported and shielded by the back wall masonry. Also, the damper and lintel angles should not be built in solidly at the ends but given freedom to expand with heat, as shown in the front elevation view at left, above.

B — The drawing indicates thickness of brick fireplace front as 4". No dimensions can be given for this because of various materials used, such as marble, stone, tile, etc., all of which have varying thicknesses.

C — These hollow spaces should be filled to form solid backing. If desirable to include a furnace flue in either space, outside dimensions should be increased. The illustration above shows a rotary control damper installed.

**Smoke Chamber** — At damper level, the enclosure narrows to form the smoke chamber. It is important that the slope of its two sides be identical, the flue taking off from the center. Where the upright flue is not directly over the center make the upward sloping connection with no reduction in area and not more than 7" sideways to each 12" of rise. A form consisting of two boards with connecting braces helps to give the brick a proper slope and assists in providing the important smooth surface which assists in discharge of smoke.



### TABLE OF FIREPLACE DIMENSIONS

Finished Fireplace Opening										Rough Brick Work and Flue Size						Equipment		
A	B	C	D	E	F	G	H	I	J	New Flue Sizes**			Old Flue Sizes			Ash Dump	Steel Angles*	
										K	L	M	Round	K	L		M	N
24	24	16	11	14	15	8 3/4	32	20	19	10	8x12	8	11 3/4	8 1/2 x 8 1/2	58	A-36	A-36	
26	24	16	13	14	15	8 3/4	34	20	21	11	8x12	8	12 3/4	8 1/2 x 8 1/2	58	A-36	A-36	
28	24	16	15	14	15	8 3/4	36	20	21	12	8x12	10	11 1/2	8 1/2 x 13	58	A-36	A-36	
30	29	16	17	14	21	8 3/4	38	20	24	13	12x12	10	12 1/2	8 1/2 x 13	58	A-42	A-36	
32	29	16	19	14	21	8 3/4	40	20	24	14	12x12	10	13 1/2	8 1/2 x 13	58	A-42	A-42	
36	29	16	23	14	21	8 3/4	44	20	27	16	12x12	12	15 1/2	13 x 13	70	A-48	A-42	
40	29	16	27	14	21	8 3/4	48	20	29	16	12x16	12	17 1/2	13 x 13	70	A-48	A-48	
42	32	16	29	14	23	8 3/4	50	20	32	17	16x16	12	18 1/2	13 x 13	70	B-54	A-48	
48	32	18	33	14	23	8 3/4	56	22	37	20	16x16	15	21 1/2	13 x 13	70	B-60	B-54	
54	37	20	37	16	27	13	68	24	45	26	16x16	15	25	13 x 18	70	B-72	B-60	
60	37	22	42	16	27	13	72	27	45	26	16x20	15	27	13 x 18	70	B-72	B-66	
60	40	22	42	16	29	13	72	27	45	26	16x20	18	27	18 x 18	70	B-72	B-66	

NOTES: \*Angle Sizes: A — 3x3x3/4, B — 2 1/2 x 3 1/4  
 \*\*New Flue Sizes—Conform to new modular dimensional system. Sizes shown are nominal. Actual size is 1/8 in. less each dimension.  
 Ash pit door—12x8 in all cases.

Two sets of flue lining dimensions appear in the table above, one for the old standard sizes and another for the nominal sizes of those conforming to the new, modular standard. Round sizes are also shown. By "nominal" size

is meant actual size plus half an inch for each dimension as joint space. The modular movement seeks to reduce all sizes of installed materials to multiples or derivatives of a four inch "module".

# CATALOG DIRECTORY

## Suspended ceilings

Technical Information is offered on a concealed mechanical suspension system for acoustical ceilings. Descriptions, drawings and sizes included—Casings Inc.

● Circle No. A420 on reply card, p. 20

## MILLWORK AND CABINETS

### Cabinets, millwork

Casement Windows and kitchen cabinets are woodwork products detailed in this series of catalogs. Includes dimensions and illustrations.—Farley & Loetscher Mfg. Co.

● Circle No. A421 on reply card, p. 20

Windows, doors, cabinets and stairwork descriptions are part of this large looseleaf catalog. Illustrates, describes and dimensions a variety of woodwork.—Morgan Company.

● Circle No. A422 on reply card, p. 20

### Kitchen planning and cabinets

Kitchen Sketchbook illustrates imaginative and practical wood kitchens. Booklet shows possibilities of various accessories, cabinets and counters.—Kitchen Maid Corp.

● Circle No. A423 on reply card, p. 20

"Recipes for your New Kitchen" is a full-colored catalog describing the modern kitchen installations. Special-purpose cabinets and built-ins are just two of the many sections.—Geneva Modern Kitchens.

● Circle No. A424 on reply card, p. 20

Steel Kitchens are illustrated in a colorful booklet. Complete line of equipment and accessories, including specifications and installation details are shown.—Youngstown Kitchens.

● Circle No. A425 on reply card, p. 20

Revolving Tray Shelves for wood and metal kitchen cabinets are subject of data sheets. Pivot hardware data is provided.—Lake Drive Products Co.

● Circle No. A426 on reply card, p. 20

Wood Kitchen cabinets in a new satin surface are cataloged. All cabinets are made in 3' modules making them adaptable to remodeling work.—Long Bell Div., International Paper Co.

● Circle No. A427 on reply card, p. 20

### Bathroom vanities and cabinets

Bathroom Vanities in a wide variety of colors, sizes and shapes are described in this literature. Also included

are medicine cabinets, and post-formed kitchen counter tops.—Glissade, Inc.

● Circle No. A428 on reply card, p. 20

Bathroom Cabinets and accessories are described and illustrated in a 36-page catalog. Includes plenty of dimensions and installation details.—Philip Carey Manufacturing Co.

● Circle No. A429 on reply card, p. 20

### Closets

Cedar-Closet Lining is described in an illustrated color brochure. Gives some ideas on planning closet space inside the house and on attic storage spaces.—Geo. C. Brown & Co. Inc.

● Circle No. A430 on reply card, p. 20

## HARDWARE, BUILDING SPECIALTIES

### Cabinet, window and door hardware

New Hardware line presented in a 16-page catalog. Among items illustrated and described are chest hinges, magnetic catches, fold and slide door hardware.—National Manufacturing Co.

● Circle No. A431 on reply card, p. 20

Door Hardware ranging from residential closets to commercial fire doors is listed in this catalog. Electric openers also are part of the listed material.—Richards-Wilcox Manufacturing Co.

● Circle No. A432 on reply card, p. 20

Interior Hardware of all types for sliding doors, folding doors, drawer slides, listed in this catalog. Specification and price lists are also included.—Grant Pulley and Hardware Corp.

● Circle No. A433 on reply card, p. 20

Sliding-Door Hardware includes pulls, tracks and locks in a variety of types and finishes for indoor and garage use. Shown with installation instructions in 24-page catalog.—John Sterling Corp.

● Circle No. A434 on reply card, p. 20

Nylon Roller bearings for wood drawers eliminate friction, operate with fingertip. Descriptive matter available with illustrations.—Junior-Pro Products Co.

● Circle No. A435 on reply card, p. 20

Sliding-Door Hardware and related hardware products are detailed . . . in picture and sketches . . . in this

new 20-page loose-leaf catalog. Also explained fully are by-passing door, folding door and cabinet hardware.—Acme Appliance Manufacturing Co.

● Circle No. A436 on reply card, p. 20

Door closer for sliding glass doors that eliminates manual closing. Spring loading feature discussed and illustrated along with information on installation.—Shelby Spring Hinge Co.

● Circle No. A437 on reply card, p. 20

### Locksets

Residential Locksets, modern in design, are shown in new 4-page Kwikset booklets. "400" line fits 1 $\frac{3}{8}$ " to 1 $\frac{1}{4}$ " doors, are made with 3 precision-matched components. In a wide variety of metal finishes and black.—Kwikset Sales and Service Co.

● Circle No. A438 on reply card, p. 20

Standard Duty locksets and latches for residential and light commercial buildings. All listed in 12-page Medalist catalog, together with specifications and descriptions.—National Lock Co.

● Circle No. A439 on reply card, p. 20

Lock Designs are illustrated in color and described in a 12-page brochure, form No. 651. Full of ideas to help you plan and select the best lock designs.—Schlage Lock Co.

● Circle No. A440 on reply card, p. 20

Hardware and its Uses in home beautifying are subject of this brochure. Suggests hardware styles and merchandising techniques for it.—Stanley Hardware, Div., The Stanley Works.

● Circle No. A441 on reply card, p. 20

Locks to Fit every home or commercial need are featured. A 12-page color catalog with handy chart of lock functions.—Challenger Lock Co., Inc.

● Circle No. A442 on reply card, p. 20

Escutcheon Plates, the latest introduced in this company's line, are shown in photographs. Designed to fit behind key-in-lock door knobs.—Weiser Company.

● Circle No. A443 on reply card, p. 20

### Builders' hardware

Hardware, building and cabinet, illustrated in a comprehensive 20-page booklet. Also contains a price list. Included are handy built-in racks and other units for the kitchen.—Washington Steel Products, Inc.

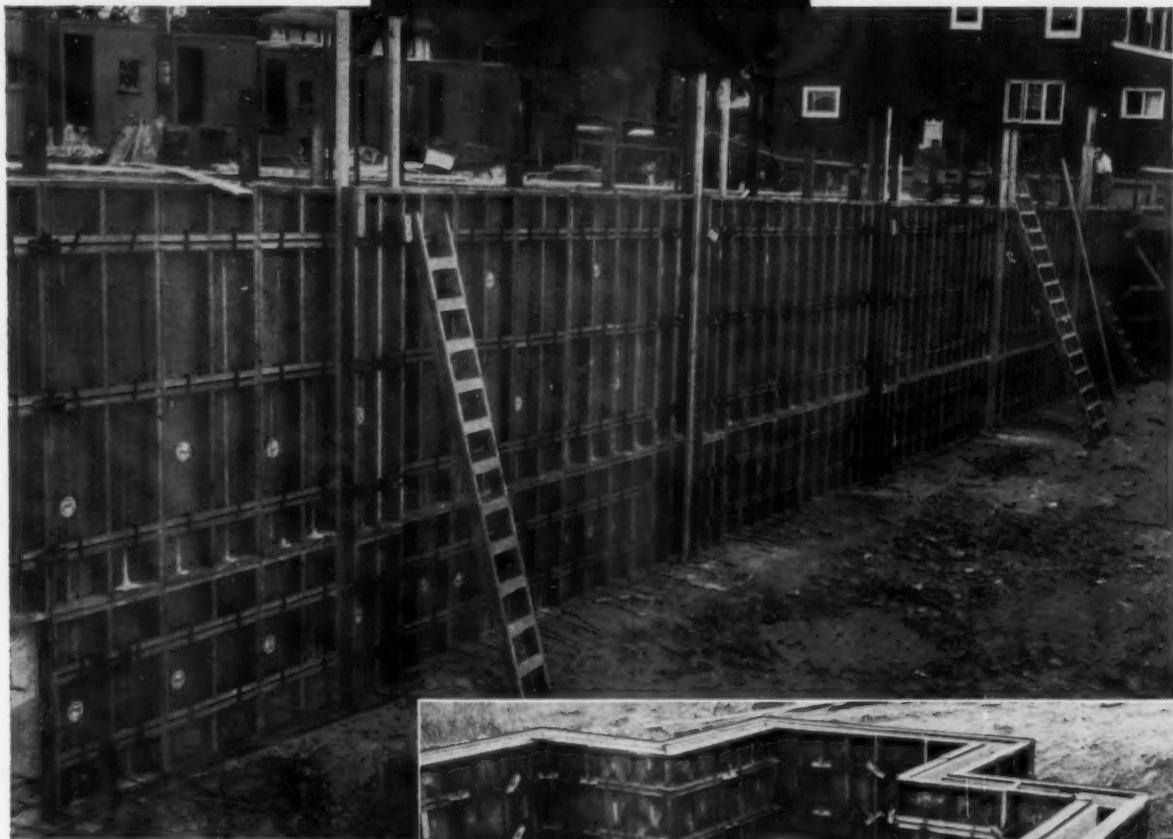
● Circle No. A444 on reply card, p. 20

(Continued on page 148)

Short or tall  
straight or cut-up

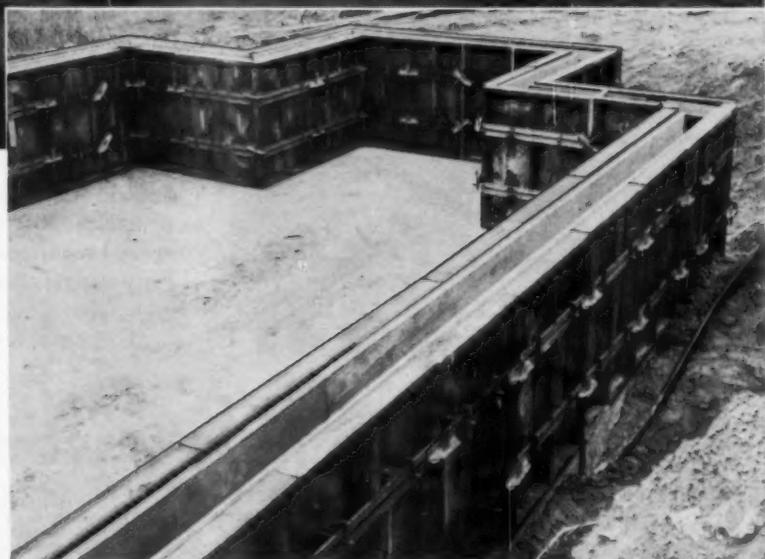
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Rocform Systems are easily adapted to any type of forming job. Absolutely no alterations to the standard Rocform panels are ever necessary to form any type angular wall.

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

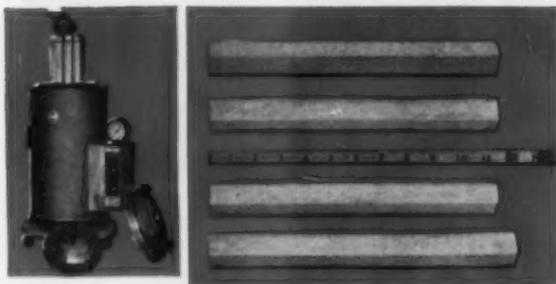
I plan to build \_\_\_\_\_ houses in 1959.

# BRIXMENT MAKES

**BRIXMENT** is a waterproofed masonry cement for every kind of brick, tile, concrete block or stone masonry, and also for stucco and plaster. Brixment complies with the requirements of the American

Society for Testing Materials Specification C91 and the Federal Specification SSC-181 for Masonry Cement (both Type I and II). Specify one part Brixment, three parts damp sand.

## BRIXMENT MAKES SOUND MORTAR

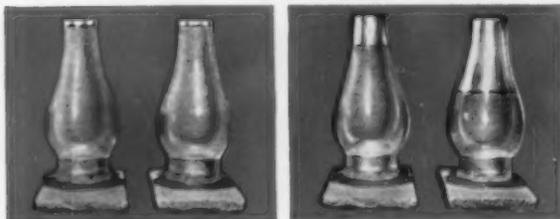


The autoclave test requires the use of a high pressure steam chest. Neat cement bars are exposed to 295 lbs. steam pressure, 420° F., for 3 hours. The two bars above the ruler are both Brixment, one before and one after autoclaving. The Brixment is sound—it has not expanded. The two bars below the ruler are portland cement and lime, one before and one after autoclaving. They are made of one part portland and one part of a lime which does not meet the autoclave test. Note the expansion—proof of unsoundness.

Unsoundness in mortar material is readily detected by the autoclave test. This severe test rapidly accelerates the chemical reaction of mortar materials, and the slightest unsoundness is immediately revealed by excessive expansion.

Brixment easily meets the requirements of the autoclave tests included in Federal and ASTM Specifications for Masonry Cement. Therefore, when Brixment is used, sound mortar and strong, durable brickwork are assured.

## BRIXMENT IS WATERPROOFED



Prepare two slabs of mortar, one with Brixment and one with ordinary cement-and-lime mortar. After mortars have hardened, seal a lamp chimney to each of the mortar slabs and fill with water.

After 24 hours, note how much water has gone into and through the ordinary cement-and-lime mortar and how little water has gone into or through the Brixment mortar.

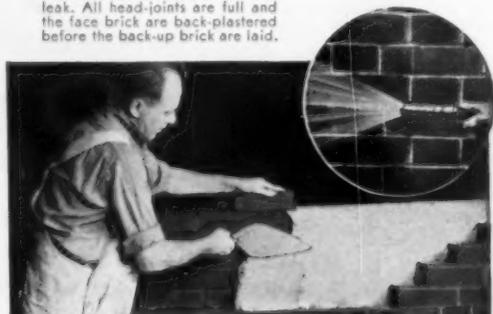
Brixment is waterproofed, during manufacture, with the most effective air-entraining water-repelling agent known. Even under pressure, water cannot readily penetrate Brixment mortar. Brixment meets the special requirements of Federal Specification SSC-181 for water-repelling masonry cements.

## BRIXMENT MORTAR HELPS PREVENT LEAKY WALLS

When a wall leaks, water almost never passes through the brick or through the mortar. It works its way through cracks or openings between the brick and mortar.

The best precaution, therefore, is to parge or back-plaster the face brick with waterproofed mortar before the backup units are laid. Therefore, if the face brick are back-plastered with Brixment mortar, a water-repelling barrier is set up against the further penetration of any water which may have worked its way through cracks or voids in the outside four inches of the wall.

This kind of brickwork will not leak. All head-joints are full and the face brick are back-plastered before the back-up brick are laid.



# BETTER MORTAR!

## BRIXMENT MORTAR IS MORE DURABLE



To compare the durability of Brixment with that of ordinary cement-and-lime mortar, make a cylinder of each, let both cure for a month, then freeze and thaw them 40 or 50 times with a little water in the pan.

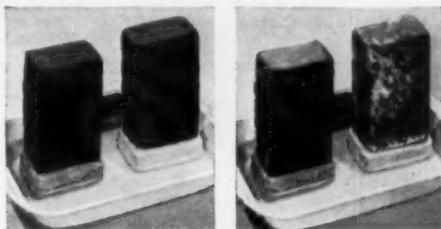


After a number of freezings and thaws, you will note that the cylinder of Brixment mortar retains its original condition, while the cylinder of non-waterproofed materials has badly crumbled and scaled.

Brixment mortar is durable. This durability is due partly to the strength and soundness of Brixment mortar, and partly to the fact that an air-entraining water-repelling agent is incorporated into Brixment during manufacture. This helps prevent the mortar from becoming saturated — therefore helps protect it from the destructive action of freezing and thawing.

## BRIXMENT MORTAR HELPS PREVENT EFFLORESCENCE

Brixment helps prevent efflorescence. The air-entraining water-repelling agent in Brixment helps to prevent water from saturating the mortar and dissolving the small amount of salts that it may contain. Moreover, Brixment mortar prevents water from percolating down through the wall, dissolving salts which may be in the brick, and carrying them to the surface.

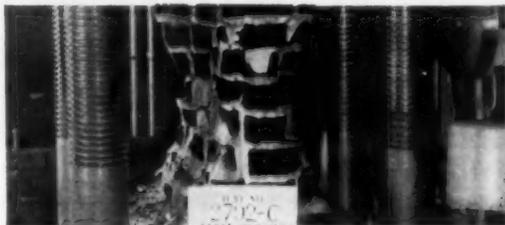


To test Brixment and ordinary cement-and-lime mortar for resistance to efflorescence, "cap" two brick heavily with the mortars — let harden, and keep both brick for a few weeks in a shallow pan of water as shown. See the difference with Brixment mortar!

## BRIXMENT MORTAR ASSURES STRONG WALLS

The strength of Brixment mortar is more than adequate for any type of brickwork. It is recommended for foundations, loadbearing and cavity walls, for free-standing stacks — for every kind of masonry where strength is required.

Brixment mortar is equivalent in strength to 1-1-6 cement-and-lime mortar. It meets the requirements of ASTM specification C270 for mortar, type N.



## BRIXMENT MORTAR HAS BETTER WATER-RETENTION AND GREATER PLASTICITY



Place a dab of Brixment mortar and a dab of ordinary cement-and-lime mortar on a brick. Wait a minute, then feel each mortar. The one that stays plastic longer will be the one having the highest water-retention. Feel the difference with Brixment mortar!

Brixment mortar has high water-retaining capacity. Brixment strongly resists the sucking action of the brick and stays smooth and plastic longer when spread out on the wall. This permits a more thorough bedding of the brick and a more complete contact between the brick and the mortar. Brixment's exceptional plasticity has made it the most widely-used masonry cement in the field. Brixment makes it easy for the bricklayer to secure neat, economical brickwork.

### LOUISVILLE CEMENT COMPANY

INCORPORATED

GENERAL OFFICES: 501 SOUTH SECOND STREET, LOUISVILLE, KENTUCKY

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5 sizes, 2 to 12 Cu. Ft.

**CONCRETE MIXERS (NON-TILTING)**  
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3 models, 3½ to 6 Cu. Ft.

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4 sizes; 24", 28", 34", 44".

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50 years of specialized experience . . . superior design . . . quality materials and parts . . . rugged construction . . . are the contributing factors that establish Muller Machines leadership. No other light construction equipment surpasses the low-cost, trouble-free performance of Muller Machines. Win more bids by basing your costs on Muller-mechanized operations.

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MORTAR JOINT REINFORCING  
is now **DOUBLE DEFORMED**  
... BONDS BETTER THAN EVER!

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**GALVANIZED CROSS ROSS PROJECT**

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**SO THE MORE BAR GRIPS ALL THE WAY AROUND**

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**We make the Galvanized Steel Areawalls you want**  
**All shapes - All sizes - Special sizes too**

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For general use.

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Please send me ..... copy(ies) of **SELLING HOUSES SUCCESSFULLY** \$5.00 per copy).

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AB-459



"We improved our masonry mortars by switching to Atlas Masonry Cement"



**Project:** Barwise Junior High School, Wichita Falls, Texas. **Architects:** Jesse G. Dixon, Arch., R. B. Pardue, Asso., Wichita Falls, Texas. **General Contractor:** W. C. Shelton, Lawton, Okla. **Masonry Contractor:** W. P. Howle, Wichita Falls, Texas. **Dealer:** Stephens Lumber Co., Wichita Falls, Texas.

"We cut our teeth on a portland cement and lime mortar," says **W. P. Howle**, masonry contractor of Wichita Falls, Texas. "We were hard to convince that any other mortar could compare. Until some six years ago, that is. Then we tried Atlas Masonry Cement in mortar for a small commercial building. We've been using it ever since."

Here are the reasons why contractors are switching to Atlas Masonry Cement: It produces a smooth, easy-working mortar that "butters" easily, stays workable, assures a stronger bond. It requires less mixing water, minimizing shrinkage and cracking. Also provides uniform color in the mortar joints. Complies with ASTM and Federal Specifications.

For your copy of "Build Better Masonry," write Universal Atlas, 100 Park Avenue, New York 17, N. Y.

"USS" and "Atlas" are registered trademarks

M-74



**Universal Atlas Cement  
Division of  
United States Steel**

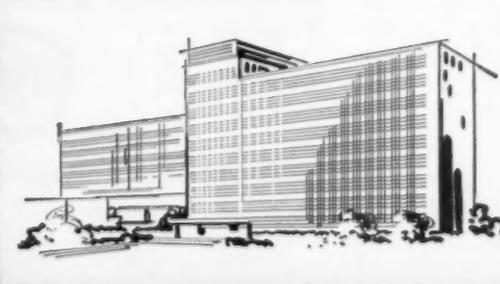
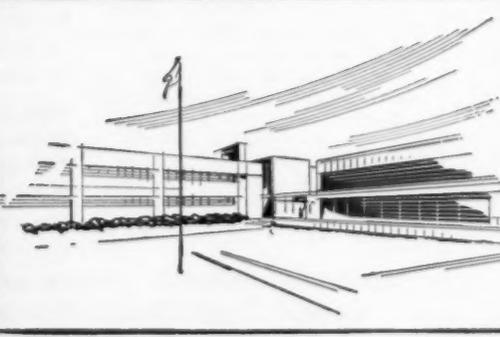
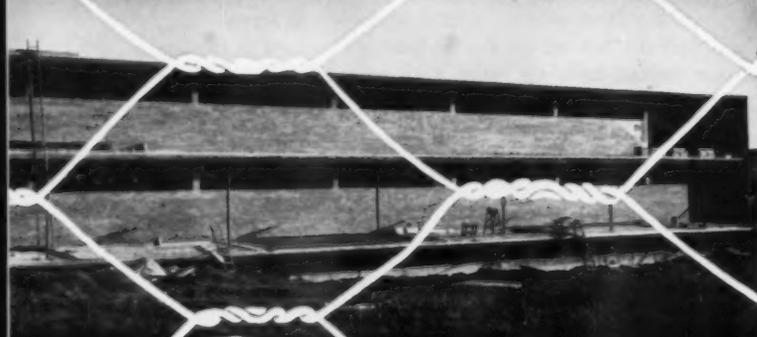
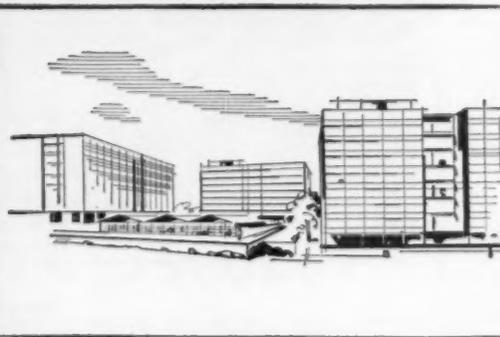
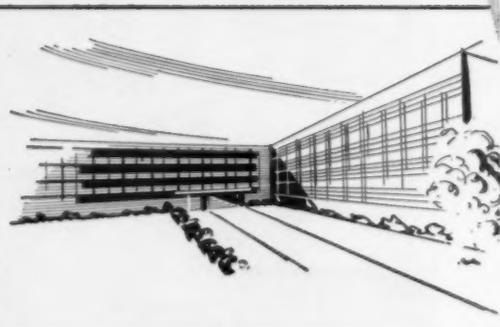
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APRIL 1959

141

# keywall

GALVANIZED MASONRY REINFORCEMENT





# goes to college



Iowa

**Iowa State College:** Keywall masonry reinforcement approved for Helsler Hall, a new men's dormitory at Iowa State College, Ames, Iowa. Architect: Brooks-Borg, Des Moines, Iowa; General Contractor: W. A. Klinger Construction Co., Sioux City, Iowa.



Missouri

**University of Missouri:** Three 9-story residence halls and a single cafeteria unit for women students being constructed at the University of Missouri, Columbia, Missouri. Keywall is being used in this vast project. Architect: Hellmuth, Obata and Kassabaum, St. Louis, Missouri. General Contractor: D. C. Bass & Sons, Enid, Oklahoma.



Kansas

**University of Wichita:** Keywall used in masonry curtain walls in the new Mathematics and Physics Building at the University of Wichita, Wichita, Kansas. Architect: W. I. Fisher & Company, Wichita, Kansas. General Contractor: Hahner & Foreman Inc., Wichita, Kan.



Indiana

**Indiana University:** The Elisha Ballantine Hall, a basic course classroom building at Indiana University, Bloomington, Indiana. Masonry walls are being reinforced with Keywall. Architect: A. M. Strauss Inc., Fort Wayne, Indiana. General Contractor: Huber, Hunt and Nichols Inc., Indianapolis, Indiana.

## Campus buildings are getting greater reinforcement at lower cost

Architects accept Keywall masonry joint reinforcement for building projects at colleges and universities. Look at these new classroom buildings and residence halls at four leading universities. Masonry joints on these buildings are being reinforced with Keywall for added strength, greater crack resistance.

The ability of Keywall to increase lateral strength and reduce shrinkage cracks in masonry has been demonstrated on job after job. Recent tests confirm this superior quality. Architects know they're getting effective reinforcement at a savings.

Masons like Keywall . . . they use it as specified. They find it easy to handle and easy to adapt to a wide range of applications. Keywall can be lapped at corners without adding thickness to joints. Full embedment and a complete bond are assured.

Galvanized Keywall can be stored any place without rusting. No wonder Keywall wins wide acceptance among builders and architects!

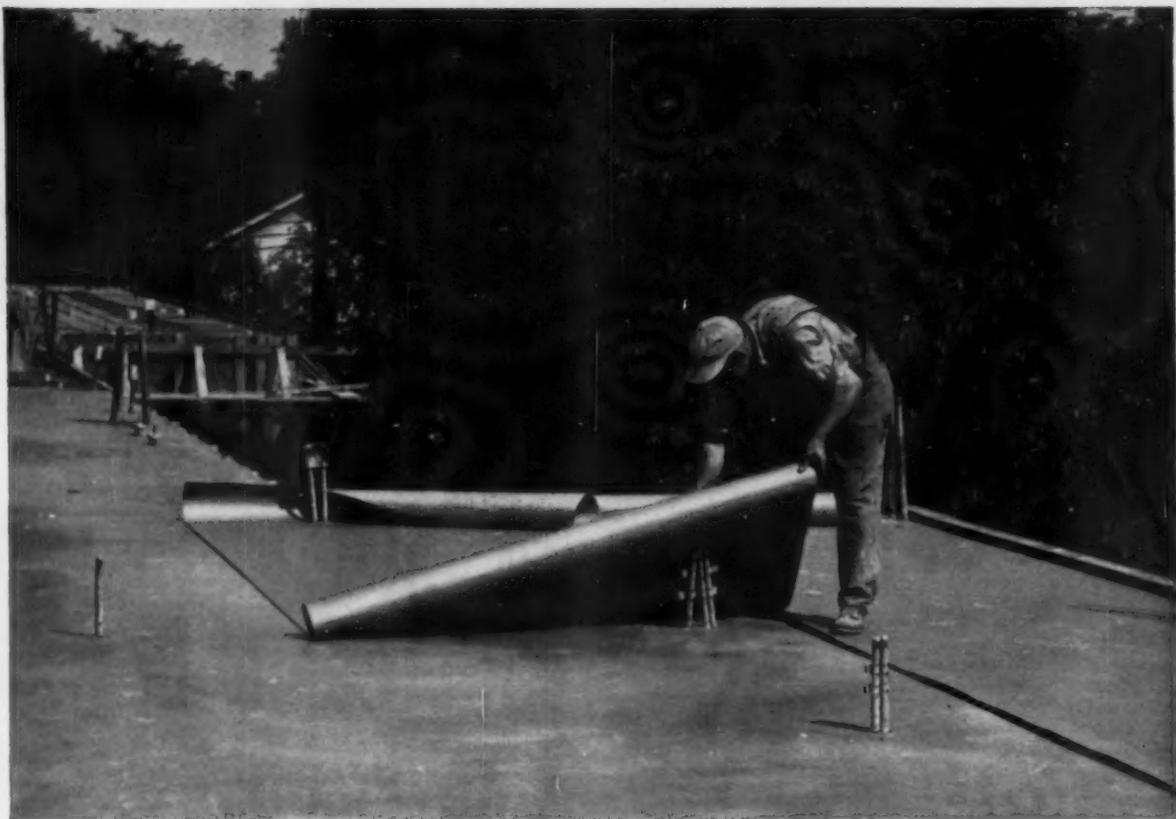
Keywall is made for the following wall thicknesses: 4", 6", 8", 10" and 12".

### KEYSTONE STEEL & WIRE CO.

PEORIA 7, ILLINOIS

Keywall • Keycorner • Keymesh®  
Keystrip • Welded Wire Fabric





# FOR PROTECTING NEW CONCRETE, NOTHING CAN MATCH SISALKRAFT

- ① **FOR DURABILITY**
- ② **FOR EASY HANDLING**
- ③ **FOR RE-USES**

Tough Sisalkraft papers remain the most practical method of covering newly-poured concrete. These reinforced, scuff-resistant papers have "body" . . . handle well even on a windy job. In addition to low material cost, quick and easy application means minimum labor cost.

The Sisalkraft line includes Orange Label Sisalkraft,® reinforced waterproof building paper; Copper Armored Sisalkraft,® electro sheet copper flashing; Sisalation,® reflective insulation; Moistop,® reinforced paper and polyethylene vapor barrier; Vaporstop®, rot-resistant vapor barrier; Seekure®, non staining waterproof paper; Sisal-Glaze®, Eskay-Lite® and Sisalite,® clear plastics.

\*Reg. Applied for

Concrete floors and slabs with clean, hard, dust-free surfaces are assured. Widths from 36" to 96", special rolls up to 26½'. Exclusive "Bleached White" Sisalkraft for highway curing.

For the *real* story on "Better Concrete", write for booklet CP-1, c/o Attleboro, Mass.



SISALKRAFT PRODUCTS ARE AVAILABLE IN CANADA THROUGH MURRAY-BRANTFORD LIMITED, MONTREAL



*Smooth-surfaced block painted a modern pastel shade*



*Living concrete in integrally colored 4"-high split block*



*Fireplace of concrete slump block has raked joints for interest*



*Painted, textured units in running bond, a perfect patio background*

## Modern masonry patterns give homes special sales appeal!

Across the country, a growing number of aggressive builders are using today's new concrete masonry to give their homes added buyer-interest and salability.

This is new-type *living concrete* . . . concrete masonry in countless new shapes, sizes, textures and colors. Used for both exteriors and interiors, *living concrete* helps create homes of real warmth, friendliness and charm . . . homes that match the buyer's idea of modern living.

*Living concrete* goes beautifully with other materials, fits into any surroundings. It's being used for all styles of architecture, in every part of the country.

### PORTLAND CEMENT ASSOCIATION

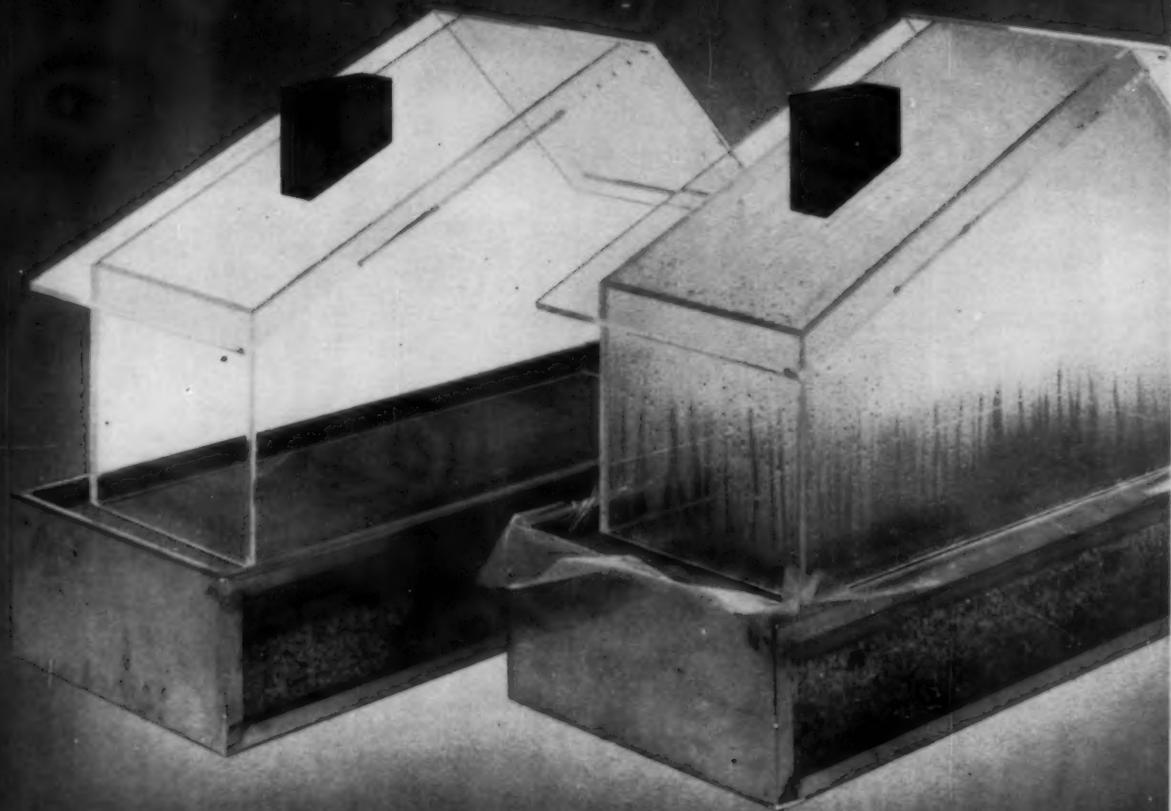
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*A national organization to improve and extend the uses of concrete*

The acceptance by financing agencies and architects, as well as by home buyers, is contributing to the increasing popularity of *living concrete*. For more facts, write for free booklet "*What Builders Say About Concrete Masonry Homes.*" (Distributed only in U.S. and Canada.)



# Will your next structure be



This structure is  
protected by \*PM

This structure is protected (?)  
by a plastic vapor barrier

**NOTICE THE DIFFERENCE!**

Pictured above is a display that has attracted widespread attention wherever it has been exhibited. Both houses, concrete slabs and tanks are identically constructed. The tanks are filled with sand, to represent soil, and water is added. On top of the soil is placed a vapor seal . . . "PM" under the house on the left and a plastic film under the house on the right. Heat is applied to the tank to accen-

tuate the creation of vapor and the results are very apparent. Notice that the house protected by "PM" (left) is completely dry while the house on the right has become a virtual steam bath. The results are even more amazing when you consider the fact that the plastic film under the house on the right is a monolith without the seams, openings and ruptures that would be present in full-scale construction.

# a virtual "steam bath"?

## ...not if it is protected by \*PM!

Moisture migration into the structure from the site is an age old problem . . . a problem that is accentuated in today's modern buildings. Old buildings, constructed without benefit of new materials and better construction methods, permitted excessive moisture to escape. Today's tightly and expertly constructed buildings trap this moisture inside and the problems resulting from excessive moisture soon follow. Dampness, window condensation, paint failures, mildew, rust and rotting wood are all problems that can be eliminated if the structure is isolated from the site, the source of 80% of this moisture.

Fortunately, the building industry has recognized the need to install a vapor barrier . . . unfortunately, it has been guilty of the promiscuous use of permeable materials as vapor barriers. Plastic films and other similar materials would never be used to replace glass in windows because they would not eliminate weather penetration and would easily rupture. These same reasons disqualify these prod-

ucts as vapor barriers. Even more important, a vapor seal is installed permanently at the time of original construction . . . it cannot be replaced at a later date in case of a product failure.

A vapor seal must be impermeable; monolithic without voids, open or lapped seams and strong enough to provide a permanent installation without rupturing under installation foot traffic, trundling of wheelbarrows and pouring of aggregate. Only *one* product on the market meets all of these necessary qualifications—"Premoulded Membrane" Vapor Seal. To prove this, we sincerely advise and invite your comparison of \*PM against all other so-called vapor barrier products on the market. What could be fairer? Also important is the fact that "PM" is actually the most economical vapor seal available when you consider the possible elimination of sand and gravel fill plus the reduced maintenance and redecorating costs realized through the *complete* elimination of moisture migration into the structure.

\*PM is a recognized abbreviation for **Premoulded Membrane**, the industry's only TRUE vapor seal!

Write today for complete information . . . request your free copy of "Design Techniques"—a technical manual that provides Architects, Engineers and Builders factual proof of the effectiveness of using impermeable materials in eliminating moisture migration. For a complete set of structural recommendations on the applications and installation of "Premoulded Membrane" request a file of "PM" Tech-Tips.

### OTHER **SEALTIGHT** BUILDING PRODUCTS

- "CORKTITE" Impermeable Perimeter Insulation
- "SEALTIGHT" Polyvinylchloride Waterstops
- "HYDROMAT" Asphalt Liners
- Joint Sealing Compounds
- Roof coatings and cement
- EXPANSION JOINTS of all types including asphalt, fibre, cork and sponge rubber.
- Plaster Board
- Sewer Joint Compounds
- Air Entraining Agents
- Concrete Curing Compounds

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## CATALOG DIRECTORY

**Builders' Hardware** of all types is described in fully-illustrated 24-page catalog. Detailed charts show designs, set numbers and finishes.—Lockwood Hardware Manufacturing Co.

● Circle No. A445 on reply card, p. 20

**Builders' Hardware** handbook . . . 52 pages index-tabbed by category. Product descriptions, cutaway drawings of locksets, cabinet hardware and acces-

sory items plus specifications.—Western Lock Manufacturing Co.

● Circle No. A446 on reply card, p. 20

**Bathtub Hangers**, for all types of installations. Build into wall construction and seal rim permanently against water seepage. In a four-page folder.—William B. Lucke, Inc.

● Circle No. A447 on reply card, p. 20

**Aluminum Specialties** for the home, include weatherstripping, sliding-door hardware, closet and cabinet hardware. All listed in new 65-page catalog.—Macklanburg-Duncan Co.

● Circle No. A448 on reply card, p. 20

**Complete Line of Hardware** is presented in color in this 28-page folder. Gives complete explanation of firm's sash, cabinet and builders' hardware.—Ajax Hardware Sales Co.

● Circle No. A449 on reply card, p. 20

**Metal Products**, ranging from steel door frames and room trim to aluminum disappearing stairs, are included in new Kewanee 12-page catalog. Line includes aluminum windows, steel dampers, coal chutes, clothes posts and basement columns. Illustrated.—Kewanee Manufacturing Co.

● Circle No. A450 on reply card, p. 20

### Nails, screws, fasteners

A complete line of hanging and fastening devices, together with some of the tools required for their installation. Illustrated and explained in this catalog.—The Paine Company.

● Circle No. A451 on reply card, p. 20

**Drill Anchors** bite into concrete in seconds, anchor anything permanently. Work equally well with air or electric hammer or hand hammer. Described in an eight-page catalog.—Polis Manufacturing Co.

● Circle No. A452 on reply card, p. 20

**Furring Clips**, for use in attaching furring strips to the back of masonry walls, are listed in this literature. Installation instructions are included, too.—Peterson Products Co.

● Circle No. A453 on reply card, p. 20

**Fasteners** of every description: rivets, nails, screws, bolts. All clearly photographed in a new 20-page brochure published by this firm.—John Hassall, Inc.

● Circle No. A454 on reply card, p. 20

**Anchor Nails** and bonding adhesive make relining masonry walls easy. No drilling, framing or special tools needed. Leaflets illustrate how-to steps, and directions.—Goodloe & Moore, Inc.

● Circle No. A455 on reply card, p. 20

**Specialty Nails** such as screw, ring shank, lead head, colored and stain-resistant are illustrated here. Application data is also detailed for exclusive Stormguard double-dipped nails.—W. H. Maze Co.

● Circle No. A456 on reply card, p. 20

(Continued on page 150)



## Gates System speeds pier-type residential forming

Abnormal soil conditions dictated that "caissons" or piers be used in place of ordinary footings on this Westminster, Colorado, residence. Square piers were first located as specified, then Gates Horizontal Rod Forming System was erected over soffitings placed between the piers. Because of Gates on-the-job versatility, the forms went up as easily as with footings and the small amount of bracing and waling shown was all that was necessary. No panel bracing or stiffeners are ever required with Gates thin-panel forming. The contractor reported results excellent... And, as with forming using conventional footings, total costs were kept low.

Information designed to help you form better at lower cost is available now. See the "yellow pages" for your local dealer, or write direct. No obligation, of course.



AB 4/59

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80 South Galapago Street

Denver 23, Colorado

Branches in Spokane, Rochester and Lethbridge

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### How else could I upgrade my men so cheaply?

I have it mailed right to their homes - which immediately builds them up with their families.

They come to me and say: "Did you see that way to handle wallboard in the last American Builder? I was thinking we might try it on the next job." Or: "That fellow in Detroit gets under cover in half the time we do. How about our switching to a system like his?"

They're coming to me with ideas - instead of my always prodding them!

How else could I get so much more out of a man for just about the price of a hammer?

— A BIG BUILDER

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Maybe it sounds pretentious for a builder to say he's in the idea business - but that's exactly the business I'm in.

If I get a better idea for a house design, more people want it. A better idea for assembling a truss saves me money. A better merchandising idea means a quicker sale, maybe a better price.

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In fact, one of the most important things I do every month is to go through American Builder for ideas. It's one thing I never put off. The sooner I get an idea working for me, the sooner it starts making me money.

— A SMALL BUILDER

Want to subscribe for your key men? Or for yourself?

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Yes, enter my subscription for one year of American Builder at \$3.50 with money-back guarantee if I am not delighted.

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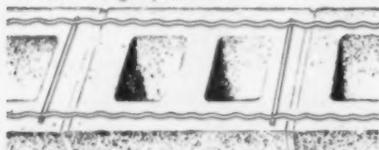
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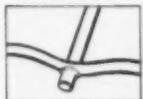
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... the corrugated reinforcement designed to give your masonry walls the greatest lateral strength possible.

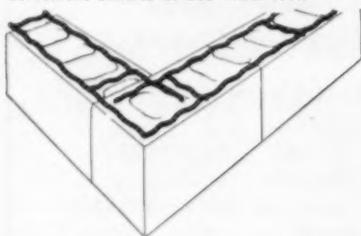


SUR-LOK'S side wires are corrugated horizontally to assure a better bond between mortar and reinforcement. Corrugating does not destroy the effectiveness of the galvanizing on galvanized wire. Cross wires support reinforcing so mortar completely surrounds the corrugated wires. You receive greater protection against expensive and unsightly cracks so common in non-reinforced walls.



SUR-LOK stays together. Each 10 gauge galvanized cross wire is pressure welded to the side wires. You get uniform thickness and higher strength. Side wires available in 8 and 9 gauge and  $\frac{3}{4}$ " in plain, galvanized and galvanized after fabrication wire.

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Clip the coupon below for free facts on SUR-LOK and other Sure-Grip concrete accessories.

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117 Kercher Street, Miamisburg, Ohio  
Without obligation, please send me the facts on SUR-LOK masonry reinforcement and name of my nearest Sure-Grip dealer.

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Firm \_\_\_\_\_  
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## CATALOG DIRECTORY

### Areawalls, stairways

Steel Areaways are of 14- and 16-gauge rust-resistant steel. "Hug-Tite" flanges fit tight at masonry walls. This six-page folder shows shapes, tells how to install.—Saint Paul Corrugating Co.

● Circle No. A457 on reply card, p. 20

Basement Pre-planning is the title of a 12-page catalog. Emphasizes three principles: light and ventilation, direct access, layout and decoration.—The Bilco Co.

● Circle No. A458 on reply card, p. 20

Adjustable-Pitch Stair stringers, all-steel, for outdoor and other utility stairways. Literature explains how they work, how to install and provides completely illustrated specifications.—Tennessee Fabricating Co.

● Circle No. A459 on reply card, p. 20

### Swimming pools

Home Swimming Pool from Esther Williams comes in three sizes. Includes such extra equipment as a safety cover, a stainless steel ladder, etc. Colorful brochure shows cut-away of pool, gives dimensions. International Swimming Pool Corp.

● Circle No. A460 on reply card, p. 20

Four Fiber Glass swimming pools are pictured and described in a brochure. The pools will not leak or corrode. Complete accessories and safety devices shown.—Universal Paradise Pools, Inc.

● Circle No. A461 on reply card, p. 20

Pool Equipment is just part of helpful guide "101 Handy Hints For Pool Owners" which tells how to build and keep your pool. Total: 24 pages, fully illustrated.—Sylvan Pools Swimming Supply Co.

● Circle No. A462 on reply card, p. 20

Concrete Pools, built by a controlled modular system, cut down on construction time. A 16-page catalog illustrates many actual installations, shows sections and plans.—Amcrete Corp.

● Circle No. A463 on reply card, p. 20

Pool Equipment, in full line, is shown in 52-page catalog. Everything for a pool, from diving boards and chlorinators to paints and filters. Generously illustrated.—Modern Swimming Pool Co.

● Circle No. A464 on reply card, p. 20

(Continued on page 152)

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Every month I open American Builder and "I am there" - in New York, California, Texas, Ohio...

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In times like these, you just can't hear too much about what the smartest builders are doing.

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## DIE CAST FOUNDATION VENTILATORS

MODEL 106—Size 8 x 16 ALUMINUM SCREEN



- Hinged aluminum cover—Only requires 14 x 6 space for opening. Shipping weight per dozen—16 pounds.

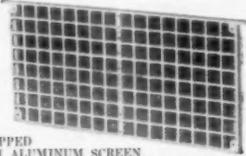
MODEL 106G—Galvanized Cover  
MODEL 107—4 x 16 Aluminum Cover  
MODEL 107G—Galvanized Cover

MODEL 100—  
ALUMINUM SCREEN  
Size 8 x 16



OVER 75%  
FREE AREA VENTILATION  
Model 100 is equipped with aluminum cover  
Shipping weight per dozen—16 pounds

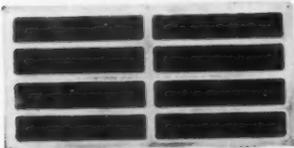
MODEL 201—Size 8 x 16



EQUIPPED  
WITH ALUMINUM SCREEN  
Shipping weight per dozen—10 pounds  
Can be supplied without screen Model 301

## DIE CAST CORNICE VENTILATORS

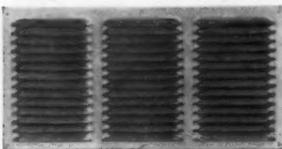
Model 408—Size 8 x 16



90 sq. in. of free area after screening  
Shipping weight per dozen—7 pounds  
Model 404—Size 4 x 16 overall

## LOUVERED CORNICE VENTILATORS

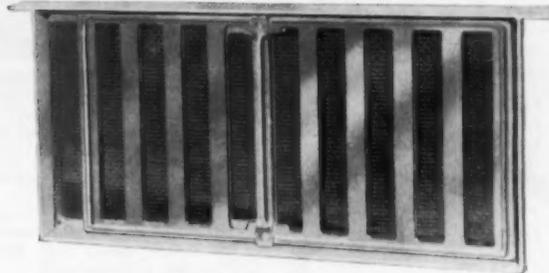
MODEL AL-816—Size 8 x 16  
Aluminum Louver Type—Screen  
65 sq. in.—Free Ventilating Area



Shipping weight—5 pounds per dozen

AL-616	6 x 16	Aluminum
AL-416	4 x 16	Aluminum
SL-816	8 x 16	Steel & Screen
SL-616	6 x 16	Steel & Screen
SL-416	4 x 16	Steel & Screen

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MODEL 179 SIZE 8" x 16" PAT. PEND.

- Die Cast Heavy Duty Aluminum
- Weighs Over 3 Pounds
- Load Bearings
- No Lintel Required (1 1/2" thick)
- Double Sliding Cover Nearly Doubles Free Area Opening
- 56 Square Inches Free Area Opening
- All Moisture Drains To Outside
- Refined Enough For Today's Smartest Homes—Yet Rugged Enough For The Modern Type Commercial Buildings, Hospitals—Schools—Skyscrapers, Etc.

## IMPORTANT—EFFECTIVE APRIL 1, 1959 NEW F.H.A. REQUIREMENTS

- 1 The New Minimum Property Standards of F.H.A. Require All Foundation Ventilators To Be Treated To Protect Them From Mortar Acids—(Ref. New M.P.S. 709-3.2)
- 2 All Ventilators Shall Be Marked With Net Free Area Opening (Ref. New M.P.S. 604-2.2)

## THE NEW GOLDEN HUE

The New Golden Hue Of The Hamlin Foundation Ventilators Indicates They Have Been Treated And Meet The New M.P.S. Of F.H.A.

BE SAFE

*Select* **HAMLIN** FOUNDATION AND CORNICE VENTILATORS  
HAMLIN PRODUCTS, INC.

TELEPHONE: LOcust 5-3462—LITTLE ROCK, ARKANSAS—P.O. BOX 2016

## MORE SATISFIED HOME BUYERS



when you use

- ⊠ Prevents wood checking, cracking—inside and out
- ⊠ Ends warping, swelling and shrinking of doors, windows
- ⊠ Eliminates tile "pop outs"—protects grout from cracking
- ⊠ Prevents efflorescence of plaster, stucco, brick
- ⊠ Moisture proofs concrete floors prior to laying asphalt or vinyl tile

Deep penetrating, colorless Thompson's Water Seal locks out moisture from any porous material for 5 years and longer. Easy to apply by brush, spray, roller.

*Recommended by*  
**Leading Contractors**  
Sold by paint, hardware  
and building supply stores.



San Francisco • Los Angeles • San Diego •  
Portland • Chicago • Seattle • Denver • Dallas  
Houston • St. Louis • St. Paul • Detroit •  
Philadelphia • New York City • Memphis •  
Cleveland • Factory: King City, California

## CATALOG DIRECTORY

**Swimming Pool Kits** plus a complete group of pool accessories. Detailed in this new 1959 catalog. Filters, vinyl liners, heaters also.—Cascade Pools.

● Circle No. A465 on reply card, p. 20

**Aluminum Pools** in standard sizes or custom designed are illustrated in eight-page catalog. Describes installation steps, advantages of aluminum.—Chester Products Co.

● Circle No. A466 on reply card, p. 20

"Experience Rated" swimming-pool equipment, every item from A to Z. Pictured and specified in detail in a technical booklet which gives plenty of product information.—Landon, Inc.

● Circle No. A467 on reply card, p. 20

### Building specialties

**Easily-Installed** wall-hung kitchen nooks feature snap-on installation. Colorful booklet shows upholstery fabrics and table top patterns in full color.—The Dormalux Co.

● Circle No. A468 on reply card, p. 20

**Hinged Tabletop** provides working surface for home shop, can be mounted on any wall, dropped down when not in use. Of wood core, faced with

panels of high density wood and plastic.—Sturdi-Bilt Steel Products, Inc.

● Circle No. A469 on reply card, p. 20

### APPLIANCES

#### Ranges, ovens, washers, dryers

**Built-in Appliances** . . . gas and electric ranges and ovens . . . illustrated in a full-color brochure. Rough-in openings and specifications for all Modern Maid units shown.—Tennessee Stove Works.

● Circle No. A470 on reply card, p. 20

**Gas Wall Ovens** and counter ranges are described in this catalog, along with their specifications. Also included is complete line of standard gas ranges.—Hardwick Stove Co., Inc.

● Circle No. A471 on reply card, p. 20

**Built-in Wall Ovens**, single and double, have a look-thru window in roasting compartment. Suburban line has stainless steel or colored porcelain fronts. Folder also includes surface range units.—Samuel Stamping & Enameling Co.

● Circle No. A472 on reply card, p. 20

(Continued on page 154)



### 10 Man-Hours to Set-Up Foundation with Symons Lo-Wall Forms

At its new housing development, Contractors and Builders, Inc. uses Symons Lo-Wall Forms and three specialized crews to keep job moving. One three-man crew erects, two or three men pour and two men strip. It takes 10 man-hours for form erection, 1 1/2 man-hours for pouring, and only three man-hours to strip and move the forms. Foundations vary from 33 x 49 feet to 29 x 57 feet.

### Symons CLAMP AND MFG. CO.

4261 Diversey Avenue, Dept. D-9, Chicago 39, Illinois

Send literature; not interested in buying now.

Send literature, prices and have salesman call.

Name \_\_\_\_\_

Firm Name \_\_\_\_\_

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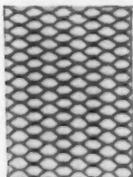
City \_\_\_\_\_

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

# MILCOR

## Metal Lath and Accessories

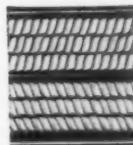
### METAL LATH



#### SMALMESH METAL LATH

General utility lath in a new design that's 5 ways better. Square, flat, uniform—easier for the contractor to handle and install, easier for you to warehouse. No side camber. SHEET COVERAGE SIZE: 27" x 96".

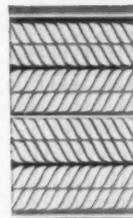
MATERIALS AND WEIGHTS (lbs. per sq. yd.): Copper-bearing steel, painted—2.50, 3.40. Galvanized steel—3.40. PACKING: 10 sheets (20 sq. yds.) per bundle. All sheets squared on both ends.



#### SPECIALMESH METAL LATH

Improved design. Flat-rib lath for interior walls and ceilings. Saves plaster, provides excellent bond. Well suited to two-coat work or back-plastering. Longitudinal stiffening ribs are 5/16" wide, spaced 1 1/2" on centers. Cross-stands at 1/4" intervals, reinforced by stiffening members (two between each pair of ribs).

SHEET COVERAGE SIZE: 27" x 96". MATERIALS AND WEIGHTS (lbs. per sq. yd.): Copper-bearing steel, painted—2.75, 3.40. PACKING: 10 sheets (20 sq. yds.) per bundle. All sheets squared on both ends.



#### NEW! 27"-WIDE 3/8" STAY-RIB LATH

New design. 27" x 96" coverage plus adequate side and end lap. 13 ribs across width — for greater rigidity as a plaster base or as reinforcement for light concrete slabs. SHEET SIZE: 27" x 96".

MATERIALS AND WEIGHTS (lbs. per sq. yd.): Copper-bearing steel, painted—3.40, 4.00. PACKING: 10 sheets (20 sq. yds.) per bundle. All sheets squared on both ends.

### ACCESS DOORS

#### STYLES K, L, M



Provide easy access to utility systems without damage to walls. Spring hinge allows opening to 175°. Number of hinges varies with size of door. Doors are removable.

STYLES: Style "K" for plastered walls—with expansion wings. Style "L" for plastered or non-plastered walls—without expansion wings. Style "M" for masonry, brick, stone, tile, wallboard, etc. SIZES: 8" x 8" to 24" x 36". (Special sizes available upon request.)

MATERIALS: Doors, 14-ga. steel; frames, 16-ga. steel. Rust-inhibitive, prime coat. PACKING: One per ctn.



#### NEW! FOR ACOUSTICAL TILE

Style "A" Access Door. Fits within the tile layer flush with the plane of the surrounding files. Recessed door panel takes standard acoustical tile up to 1" thick.

SIZES: 12" x 12", 12" x 24", 24" x 24". MATERIALS: Doors and inner frame, 14-ga. steel; outer frame, 16-ga. steel. Rust-inhibitive, prime coat. PACKING: One per ctn.



#### CLEAN-OUT DOORS

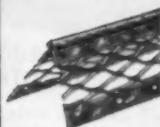
Convenient for removing accumulations of fireplace ashes or chimney debris. Door catch provides positive lock, prevents door from being blown open. Hinge design permits freedom of opening and closing. Wide flanges on frame simplify installations.

SIZE: 8" x 8". MATERIAL: 16-ga. copper-alloy steel, painted. PACKING: 6 per ctn. Shipping weight, 19 lbs.

## Stocked by Leading Dealers Everywhere

You can assure best quality construction with Milcor products... 56 years of making good products better.

### CORNER BEADS



#### NEW! RIGID BEAD CORNER BEAD (Pat. Pend.)

Combines the rigidity of solid metal with the positive plaster key of expanded metal. Spring-fit angle hugs tight to corner. Flange anchors securely — compensates for irregular framing. Tube-like nose permits easy splicing.

MATERIAL: 26-ga. tight-coat galvanized steel. LENGTHS: 7, 8, 9, 10, 12 ft. WEIGHT (per 1,000 lin. ft.): 160 lbs. PACKING: 7 and 8 ft. — 80 pcs. per ctn.; 9, 10, and 12 ft. — 60 pcs. per carton.



#### No. 1 EXPANSION CORNER BEAD

Wide expanded metal wing integral with nose of the bead — plaster keys right up to the nose. Gives effective plaster reinforcement exactly where needed.

MATERIAL: 26-ga. tight-coat galvanized steel. LENGTHS: 7, 8, 9, 10, 12 ft. WEIGHT (per 1,000 lin. ft.): 210 lbs. PACKING: 7 and 8 ft. — 80 pcs. per ctn.; 9, 10, and 12 ft. — 60 pcs. per ctn.



#### SUPER-EX CORNER BEAD

Combines advantages of expansion and solid wing corner beads. Strong, straight nose reinforced by two solid flange sections, strengthened by corrugations. Integral expansion flange makes excellent plaster bond, simplifies erection.

MATERIAL: 26-ga. tight-coat galvanized steel. LENGTHS: 7, 8, 9, 10, 12 ft. WEIGHT (per 1,000 lin. ft.): 270 lbs. PACKING: 7 ft.—80 pcs. per ctn., 8 ft.—70 pcs., 9 ft.—60 pcs., 10 and 12 ft.—50 pcs.

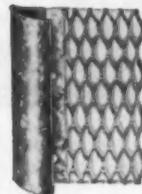


#### CORNER-EX

Finished-edge corner reinforcement for inside corners. Accurately pre-shaped to 105° angle for snug, spring fit in a normal 90° corner. Center stiffener helps maintain correct angle and shape—guides Corner-Ex accurately into corner.

MATERIAL: Copper-bearing steel, painted. SIZES: 2" x 2" x 96", 3" x 3" x 96". WEIGHT (per 1,000 lin. ft.): 2" — 100 lbs., 3" — 140 lbs. PACKING: 75 pcs. per ctn. (3 bundles of 25 pcs.).

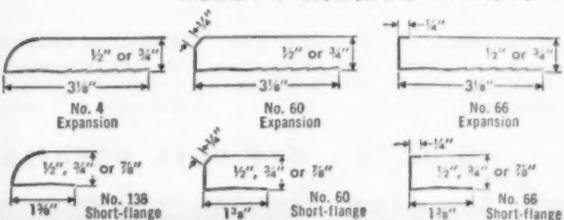
### CASING BEADS



#### EXPANSION AND SHORT FLANGE TYPES

Quarter-round, square, and modified-square designs. Meet all ordinary requirements, as well as many special and difficult conditions. Expansion wing gives added plaster reinforcement. All styles are straight and uniform to permit perfectly fitted corners and neat, flush junctures with plaster surfaces.

MATERIAL: 24-ga. tight-coat galvanized steel. LENGTHS: 7 and 10 ft. GROUNDS: 1/2" and 3/4". (Also 7/8", short flange only.) WEIGHT (per 1,000 lin. ft.): No. 4 Exp.—280 lbs. No. 60 Exp.—245 lbs., No. 66 Exp.—265 lbs., No. 60 S. F.—200 lbs., No. 66 S. F.—210 lbs., No. 138 S. F.—235 lbs. PACKING: 7 ft.—80 pcs. per ctn., 10 ft.—60 pcs. per ctn.



Part of the more than 4,000  
Milcor products for the building industry.  
Write for price lists and catalog No. 202.

### INLAND STEEL PRODUCTS COMPANY

DEPT. D, 4025 WEST BURNHAM STREET • MILWAUKEE 1, WISCONSIN  
ATLANTA • BALTIMORE • BUFFALO • CHICAGO • CINCINNATI • CLEVELAND  
DALLAS • DENVER • DETROIT • KANSAS CITY • LOS ANGELES • MILWAUKEE  
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save time...  
save work...make more money!

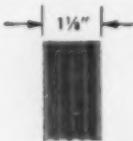
use

# SIMPLEX

THE ONLY COMPLETE FORM  
NO LOOSE HARDWARE

1 1/8" PLYWOOD

Rugged, 9-ply plastic-impregnated plyglaze with thicker outer plys that will not peel. Forms have been used over 200 times and are still pouring smooth, accurate walls.



FAST, EASY SET-UP



Inner and outer forms are set simultaneously. Tie rods are positioned... locking levers tapped... forms go up "a foot a minute." No other forms set as fast, as easily, as accurately.

RUGGED CONSTRUCTION

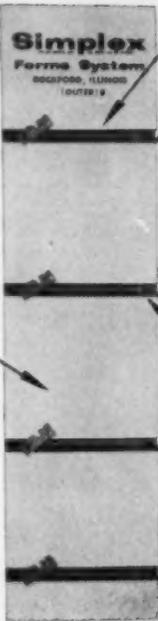
Heavy-duty, 1/4" x 2" steel backing bars run full width of panel. They add extra strength... are integral with locking levers that secure tie wires.



THE PATENTED LEVER IS THE SECRET



The "key" to greater accuracy and speed. A tap on the hardened steel lever secures or unlocks it. Cam action pulls panels together, minimizing seam marks, giving positive wall dimension.



Standard 8' x 2' Form  
Fillers 3' to 23'

FOR RESIDENTIAL AND  
LIGHT COMMERCIAL FORMING

Panels are complete units... 10, 8, 6, and 4 foot sizes

● **READY TO SET** — A complete system. All hardware firmly mounted on panels... no danger of losing or misplacing vital parts.

● **LIGHTWEIGHT** — Full 8 foot, 4 wire panel, complete with hardware, weighs less than 70 pounds... they set faster, strip faster, load easier.

● **MAXIMUM FLEXIBILITY** — Wide range of panels, fillers and accessories handle an infinite number of jobs... difficult forming problems.

● **BUILT-IN ACCURACY** — Precision made hardware mounted with unusual care. Steel butts against steel as forms lock together... "growth" is impossible.

GET FULL DETAILS TODAY



Write  
**Simplex Forms System, Inc.**  
5619 Industrial Ave.  
Rockford (Loves Park) Illinois

CATALOG  
DIRECTORY

Specifications and descriptive literature for their "Citation" line of electric appliances are offered by this company. Refrigerators, freezers, ovens, ranges shown.—Philco Corp.

● Circle No. A473 on reply card, p. 20

**Kitchen Built-ins**, shown in 1959 catalog. Includes new, modern line of both electrical and gas equipment, refrigerators, dishwashers and range ventilating hoods.—Preway, Inc.

● Circle No. A474 on reply card, p. 20

**Installation Instructions** and specifications for a complete line of electrical appliances. Outlined in a 20-page booklet, liberally illustrated.—Appliance Div., General Electric Co.

● Circle No. A475 on reply card, p. 20

**Complete Line** of appliances are shown in a liberally illustrated book. Complete specifications for air conditioners, furnaces, water heaters and wall heaters.—Gaffers & Sattler.

● Circle No. A476 on reply card, p. 20

**Automatic Dishwashers** for home use are described in this literature. An undercounter type is available, as well as a model to be built in at counter height.—The Hobart Mfg. Co.

● Circle No. A477 on reply card, p. 20

**Wall Oven**, with fog-proof glass viewing panel, comes in variety of finishes. Described with companion electric range inserts.—National Stove Co.

● Circle No. A478 on reply card, p. 20

**Complete Line** of gas ovens and gas counter ranges is listed in this manufacturer's literature. Sizes and installation data also are included.—Geo. D. Roper Sales Corp.

● Circle No. A479 on reply card, p. 20

**Home Appliances**, including ranges, refrigerators, dishwashers, described in catalogs. All show latest features of 1959 design. Includes the built-in products.—Hotpoint Co.

● Circle No. A480 on reply card, p. 20

**Gas Foldaway** has four complete cooking units in less than two sq. ft. of counter space. Described in this multi-colored, four-page pamphlet. Specifications and construction details.—Dixie Products, Inc.

● Circle No. A481 on reply card, p. 20

(Continued on page 160)

# FRAMING

## Lumber Calculator — Board Feet

SIZE OF TIMBER	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	32'	34'	36'	38'	40'
4 x 4.....	10½	13½	16	18½	21½	24	26½	29½	32	34½	37½	40	42½	45½	48	50½	53½
4 x 6.....	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80
4 x 8.....	21½	26½	32	37½	42½	48	53½	58½	64	69½	74½	80	85½	90½	96	101½	106½
4 x 10.....	26½	33½	40	46½	53½	60	66½	73½	80	86½	93½	100	106½	113½	120	126½	133½
4 x 12.....	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160
4 x 14.....	37½	46½	56	65½	74½	84	93½	102½	112	121½	130½	140	149½	158½	168	177½	186½
4 x 16.....	42½	53½	64	74½	85½	96	106½	117½	128	138½	149½	160	170½	181½	192	202½	213½
6 x 6.....	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
6 x 8.....	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160
6 x 10.....	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
6 x 12.....	48	60	72	84	96	108	120	132	144	156	168	180	192	204	216	228	240
6 x 14.....	56	70	84	98	112	126	140	154	168	182	196	210	224	238	252	266	280
6 x 16.....	64	80	96	112	128	144	160	176	192	208	224	240	256	272	288	304	320
8 x 8.....	42½	53½	64	74½	85½	96	106½	117½	128	138½	149½	160	170½	181½	192	202½	213½
8 x 10.....	53½	66½	80	93½	106½	120	133½	146½	160	173½	186½	200	213½	226½	240	253½	266½
8 x 12.....	64	80	96	112	128	144	160	176	192	208	224	240	256	272	288	304	320
8 x 14.....	74½	93½	112	130½	149½	168	186½	205½	224	242½	261½	280	298½	317½	336	354½	373½
8 x 16.....	85½	106½	128	149½	170½	192	213½	234½	256	277½	298½	320	341½	362½	384	405½	426½
10 x 10.....	66½	83½	100	116½	133½	150	166½	183½	200	216½	233½	250	266½	283½	300	316½	333½
10 x 12.....	80	100	120	140	160	180	200	220	240	260	280	300	320	340	360	380	400
10 x 14.....	93½	116½	140	163½	186½	210	233½	256½	280	303½	326½	350	373½	396½	420	443½	466½
10 x 16.....	106½	133½	160	186½	213½	240	266½	293½	320	346½	373½	400	426½	453½	480	506½	533½
12 x 12.....	96	120	144	168	192	216	240	264	288	312	336	360	384	408	432	456	480

SIZE OF TIMBER	8'	10'	12'	14'	16'	18'	20'	SIZE OF TIMBER	8'	10'	12'	14'	16'	18'	20'
1 x 2.....	1½	1½	2	2½	2½	3	3½	5/4 x 2.....	1½	2½	2½	2½	3½	3½	4½
1 x 3.....	2	2½	3	3½	4	4½	5	5/4 x 3.....	2½	3½	3½	4½	5	5½	6½
1 x 4.....	2½	3½	4	4½	5½	6	6½	5/4 x 4.....	3½	4½	5	5½	6½	7½	8½
1 x 5.....	3½	4½	5	5½	6½	7½	8½	5/4 x 5.....	4½	5½	6½	7½	8½	9½	10½
1 x 6.....	4	5	6	7	8	9	10	5/4 x 6.....	5	6½	7½	8½	10	11½	12½
1 x 8.....	5½	6½	8	9½	10½	12	13½	5/4 x 8.....	6½	8½	10	11½	13½	15	16½
1 x 10.....	6½	8½	10	11½	13½	15	16½	5/4 x 10.....	8½	10½	12½	14½	16½	18½	20½
1 x 12.....	8	10	12	14	16	18	20	5/4 x 12.....	10	12½	15	17½	20	22½	25
1 x 14.....	9½	11½	14	16½	18½	21	23½	6/4 x 2.....	2	2½	3	3½	4	4½	5
1 x 16.....	10½	13½	16	18½	21½	24	26½	6/4 x 3.....	3	3½	4½	5½	6	6½	7½
1 x 18.....	12	15	18	21	24	27	30	6/4 x 4.....	4	5	6	7	8	9	10
1 x 20.....	13½	16½	20	23½	26½	30	33½	6/4 x 5.....	5	6½	7½	8½	10	11½	12½
								6/4 x 6.....	6	7½	9	10½	12	13½	15
								6/4 x 8.....	8	10	12	14	16	18	20
								6/4 x 10.....	10	12½	15	17½	20	22½	25
								6/4 x 12.....	12	15	18	21	24	27	30

SIZE OF TIMBER	8'	10'	12'	14'	16'	18'	20'	22'	24'	26'	28'	30'	32'	34'	36'	38'	40'
2 x 4.....	5½	6½	8	9½	10½	12	13½	14½	16	17½	18½	20	.....	.....	.....	.....	.....
2 x 6.....	8	10	12	14	16	18	20	22	24	26	28	30	32	.....	.....	.....	.....
2 x 8.....	10½	13½	16	18½	21½	24	26½	29½	32	34½	37½	40	42½	45½	48	50½	53½
2 x 10.....	13½	16½	20	23½	26½	30	33½	36½	40	43½	46½	50	53½	56½	60	63½	66½
2 x 12.....	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80
2 x 14.....	18½	23½	28	32½	37½	42	46½	51½	56	60½	65½	70	74½	79½	84	88½	93½
2 x 16.....	21½	26½	32	37½	42½	48	53½	58½	64	69½	74½	80	85½	90½	96	101½	106½
3 x 4.....	8	10	12	14	16	18	20	22	24	26	28	30	32	34	36	38	40
3 x 6.....	12	15	18	21	24	27	30	33	36	39	42	45	48	51	54	57	60
3 x 8.....	16	20	24	28	32	36	40	44	48	52	56	60	64	68	72	76	80
3 x 10.....	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90	95	100
3 x 12.....	24	30	36	42	48	54	60	66	72	78	84	90	96	102	108	114	120
3 x 14.....	28	35	42	49	56	63	70	77	84	91	98	105	112	119	126	133	140
3 x 16.....	32	40	48	56	64	72	80	88	96	104	112	120	128	136	144	152	160

# FRAMING

## Steel Beam & Column Design

### Fiber Stress — 18:000#

BEAM		SPAN IN FEET																
SIZE	WEIGHT	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
4"	8.5	9.5	7.6	6.3	5.4	4.7	4.2	3.8										
	10.5	10.7	8.5	7.1	6.1	5.3	4.7	4.3										
5"	10.0	14.5	11.6	9.7	8.3	7.3	6.5	5.8	5.3									
	12.25	16.2	13.0	10.8	9.3	8.1	7.2	6.5	5.9									
	14.75	18.0	14.4	12.0	10.3	9.0	8.0	7.2	6.5									
6"	12.5	21.8	17.4	14.5	12.5	10.9	9.7	8.7	7.9	7.3	6.7	6.2						
	14.75	23.8	19.0	15.9	13.6	11.9	10.6	9.5	8.7	7.9	7.3	6.8						
	17.25	26.0	20.8	17.3	14.9	13.0	11.6	10.4	9.5	8.7	8.0	7.4						
7"	15.3	31.0	24.8	20.7	17.7	15.5	13.8	12.4	11.3	10.3	9.5	8.9	8.3	7.7				
	17.5	33.4	26.7	22.2	19.1	16.7	14.8	13.3	12.1	11.1	10.3	9.5	8.9	8.3				
	20.0	36.0	28.7	24.0	20.5	18.0	16.0	14.4	13.1	12.0	11.1	10.3	9.6	9.0				
8"	18.4	42.7	34.1	28.5	24.4	21.3	19.0	17.1	15.5	14.2	13.1	12.2	11.4	10.7	10.0	9.5	9.0	8.5
	20.5	45.2	36.1	30.1	25.8	22.6	20.1	18.1	16.4	15.1	13.9	12.9	12.0	11.3	10.6	10.0	9.5	9.0
	25.5	51.1	40.9	34.1	29.2	25.5	22.7	20.4	18.6	17.0	15.7	14.6	13.6	12.8	12.0	11.4	10.8	10.2
9"	21.8	56.6	45.3	37.7	32.3	28.3	25.2	22.6	20.6	18.9	17.4	16.2	15.1	14.2	13.3	12.6	11.9	11.3
	25.0	60.9	48.7	40.6	34.8	30.5	27.1	24.4	22.2	20.3	18.7	17.4	16.2	15.2	14.3	13.3	12.8	12.2
	30.0	67.6	54.1	45.1	38.6	33.8	30.0	27.0	24.6	22.5	20.8	19.3	18.0	16.9	15.9	15.0	14.2	13.5
	35.0	74.2	59.4	49.5	42.4	37.1	33.0	29.7	27.0	24.7	22.8	21.2	19.8	18.6	17.3	16.5	15.6	14.8
10"	30.0	80.1	64.1	53.4	45.8	40.1	35.6	32.0	29.1	26.7	24.6	22.9	21.4	20.0	18.8	17.8	16.9	16.0
	35.0	87.5	70.0	58.3	50.0	43.7	38.9	35.0	31.8	29.2	26.9	25.0	23.3	21.9	20.6	19.4	18.4	17.5
	40.0	94.8	75.8	63.2	59.2	47.4	42.1	37.9	34.5	31.6	29.2	27.1	25.3	23.7	22.3	21.1	20.0	19.0

The loads are given in kips, a kip being 1,000 lbs.

### SAFE LOADS FOR STEEL PIPE COLUMNS IN KIPS\*

NOMINAL SIZE in INCHES	ACTUAL DIAMETER in INCHES	WEIGHT LBS. per FT.	LENGTH IN FEET															
			5	6	7	8	9	10	11	12	13	14						
2	2 1/4	3.65	12.2	10.6	9.0	7.4	6.6	5.8	5.0	4.1	3.3							
2 1/2	2 3/4	5.79	21.6	19.4	17.3	15.1	12.9	11.4	10.3	9.2	8.1	7.0						
3	3 1/2	7.58	29.0	28.6	26.3	24.0	21.7	19.4	17.1	15.2	14.0	12.9						
3 1/2	4	9.11	34.8	34.8	34.1	31.7	29.3	26.9	24.5	22.1	19.7	18.0						
4	4 1/2	10.79	41.2	41.2	41.2	40.1	37.6	35.1	32.6	30.0	27.5	25.0						
4 1/2	5	12.54	48.0	48.0	48.0	48.0	46.4	43.8	41.2	38.5	35.9	33.3						
5	5 1/4	14.62	55.9	55.9	55.9	55.9	55.9	54.2	51.5	48.7	46.0	43.2						
6	6 1/4	18.97	72.5	72.5	72.5	72.5	72.5	72.5	72.5	70.2	67.3	64.3						

\*The loads are given in kips, a kip being 1,000 lbs.

### SAFE LOADS FOR I-BEAM COLUMNS IN KIPS\*

American Standard Sections

DEPTH in INCHES	AREA in SQ. IN.	LBS. per SQ. FT.	LENGTH IN FEET															
			3	4	5	6	7	8	9	10	11	12	13	14				
3	1.64	5.7	23.5	20.3	17.2	14.6	12.3	10.5										
4	2.21	7.7	33.0	29.1	25.3	21.8	18.7	16.1	13.9									
5	2.87	10.0	43.1	39.7	35.1	30.7	26.8	23.4	20.4	17.9								
6	3.61	12.5	54.2	52.1	46.9	41.8	37.0	32.7	28.9	25.5	22.6	20.2						
7	4.43	15.3	66.5	65.9	60.0	54.1	48.5	43.3	38.6	34.5	30.8	27.6	24.7					
8	5.34	18.4	80.1	80.1	74.9	68.3	61.8	55.7	50.1	45.0	40.5	36.5	33.0	29.8				
9	6.32	21.8	94.8	94.8	91.2	83.9	76.7	69.7	63.2	57.2	51.8	47.0	42.6	38.7				
10	7.38	25.4	110.7	110.7	109.5	101.7	93.8	86.0	78.7	71.8	65.6	59.7	54.5	48.8				

\*The loads are given in kips, a kip being 1,000 lbs.

#### EXAMPLES:

To find correct I-beam size:

1. Determine uniformly distributed load.
2. Locate this load figure in column under span in feet.
3. Read size and weight of required beam in column at extreme left.

To find pipe column size:

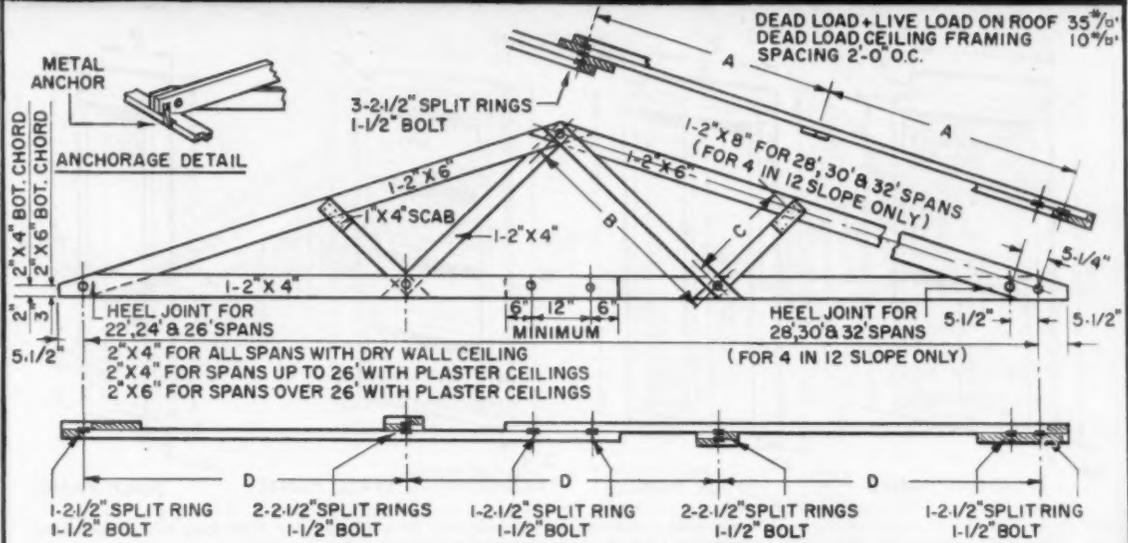
1. Determine load in kips. If column is to support center of beam supported at ends divide load in half.
2. Locate nearest load figure in column under required length.
3. Read size of pipe required in column at extreme left.

To find I-beam column size:

Follow same procedure as outlined for pipe columns.

# FRAMING

## Trussed Rafter Designs

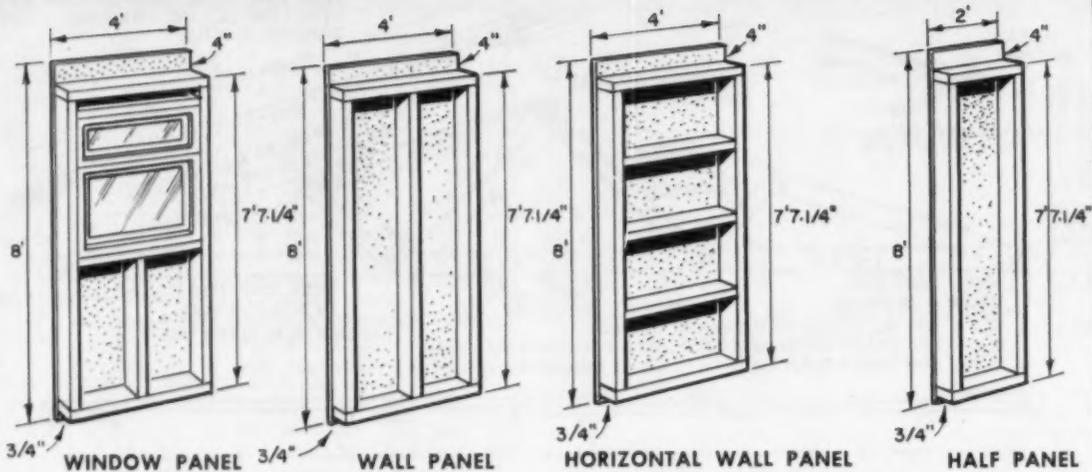


PITCH	Length of Span	DIMENSIONS				LUMBER						
		A	B	C	D	SPAN	2"x8"	2"x6"	2"x4"	F.B.M. DRYWALL CEILING	F.B.M. PLASTER CEILING	
4 	20	5'- 3 3/4"	4'- 8 3/4"	2'- 3 3/4"	6'-8"	SPAN	20' 18' 16' 14' 12'	2	2	2	51	51
	22	5'- 9 3/4"	5'- 1 3/4"	2'- 6 3/4"	7'-4"	22'-0"		2	2	2	61	61
	24	6'- 3 3/4"	5'- 7 3/4"	2'- 9 3/4"	8'-0"	24'-0"		2	2	2	61	61
	26	6'-10 3/4"	6'- 1 3/4"	3'- 0 3/4"	8'-8"	26'-0"		2	2	2	68	68
	28	7'- 4 3/4"	6'- 6 3/4"	3'- 3 3/4"	9'-4"	28'-0"	2	(2)	2	2	80	91
	30	7'-10 3/4"	7'- 0 3/4"	3'- 6 3/4"	10'-0"	30'-0"	2	(2)	2	2	88	100
	32	8'- 5 3/4"	7'- 6 3/4"	3'- 8 3/4"	10'-8"	32'-0"	2	(2)	2	2	88	100
	5 	20	5'- 5"	5'- 3 3/4"	2'- 7 3/4"	6'-8"	SPAN	20' 18' 16' 14' 12'		2	2	53
22		5'-11 1/2"	5'-10 1/4"	2'-10 3/4"	7'-4"	22'-0"		2	2	2	60	60
24		6'- 6"	6'- 4 3/4"	3'- 2"	8'-0"	24'-0"		2	2	2	63	63
26		7'- 0 1/2"	6'-10 3/4"	3'- 5 3/4"	8'-8"	26'-0"		2	2	2	70	70
28		7'- 7"	7'- 5 1/4"	3'- 8 3/4"	9'-4"	28'-0"		2(2)	2	2	73	80
30		8'- 1 1/2"	7'-11 3/4"	3'-11 3/4"	10'-0"	30'-0"	2(2)		2	2	79	91
32		8'- 8"	8'- 6 3/4"	4'- 2 3/4"	10'-8"	32'-0"	2	(2)	2	2	85	95
6 		20	5'- 7 3/4"	5'-11 1/4"	2'-11 3/4"	6'-8"	SPAN	20' 18' 16' 14' 12'		2	2	53
	22	6'- 1 3/4"	6'- 6 3/4"	3'- 3 3/4"	7'-4"	22'-0"		2	2	2	63	63
	24	6'- 8 1/2"	7'- 2 3/4"	3'- 6 3/4"	8'-0"	24'-0"		2	2	2	67	67
	26	7'- 3 3/4"	7'- 9 3/4"	3'-10 3/4"	8'-8"	26'-0"		2	2	2	69	77
	28	7'- 9 3/4"	8'- 4 3/4"	4'- 2 3/4"	9'-4"	28'-0"	2	(2)	2	2	76	87
	30	8'- 4 3/4"	8'-11 3/4"	4'- 5 3/4"	10'-0"	30'-0"	2(2)		2	2	79	94
	32	8'-11 3/4"	9'- 6 3/4"	4'- 9 3/4"	10'-8"	32'-0"	2	(2)	2	2	85	98
	7 	20	5'- 9 3/4"	6'- 8 3/4"	3'- 3 3/4"	6'-8"	SPAN	20' 18' 16' 14'		4		60
22		6'- 4 3/4"	7'- 4 3/4"	3'- 7 3/4"	7'-4"	22'-0"		2	2		63	63
24		6'-11 3/4"	8'- 0 3/4"	3'-11 3/4"	8'-0"	24'-0"		2	4		70	70
26		7'- 6 3/4"	8'- 8 3/4"	4'- 4"	8'-8"	26'-0"		2	2	2	72	72
28		8'- 1 1/4"	9'- 4 3/4"	4'- 8"	9'-4"	28'-0"	2	(2)	4		78	90
30		8'- 8 3/4"	10'- 0 1/2"	5'- 0 3/4"	10'-0"	30'-0"	2	(2)	2	2	81	98
32		9'- 3 3/4"	10'- 8 3/4"	5'- 4 3/4"	10'-8"	32'-0"	2	(2)	4		88	100

Note: Pieces in parentheses ( ) are used in place of equal length 2"x4"s when plaster ceiling is used.

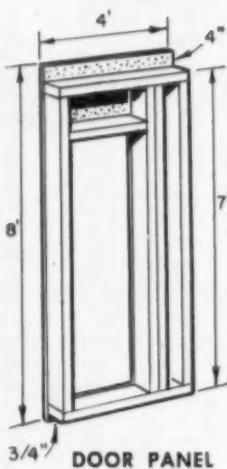
# FRAMING

## Component Panel Techniques

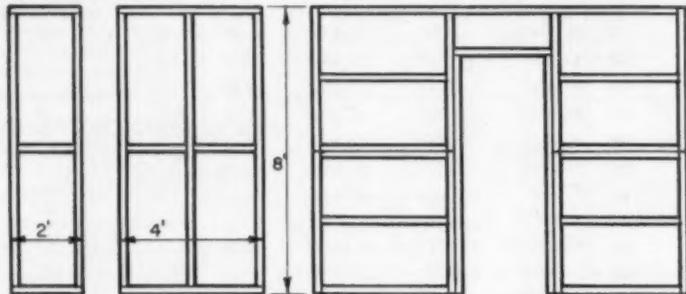


Window panels have a basic width of 4' using any type of window that is coordinated in dimension to drop directly inside the basic 2" x 4" frame. It is set directly under the top header to eliminate the need for short cripples.

Door panels may use either a 2'-8" or a 3'-0" door but in any case an additional stud is required. The door opening may be located in the center or to the left or right of the panel.

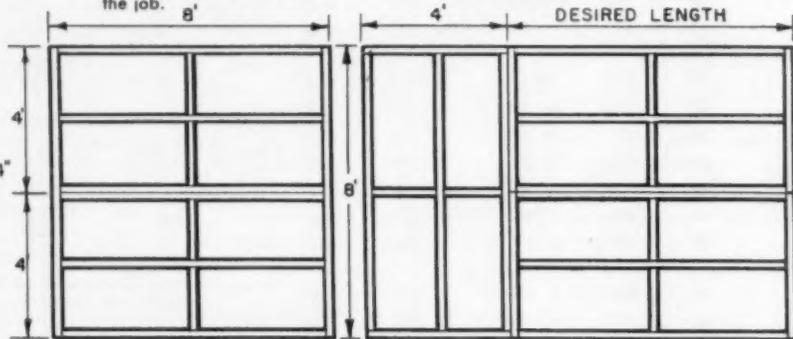


Basic wall panel measures 4' x 8' with 2" x 4" studs cut 7'-4" long so that standard sheathing projects at top and bottom to cover junction with header and sill. Half panel is made in the same manner but is only 2' wide and is used to fill out walls not in multiples of 4'. The horizontal solid-wall panel has the same dimensions as the basic wall panel but has horizontal blocking on 2' centers to provide nailing for vertical siding application.



Basic partition panels have dry-wall materials applied to one side only to allow for installation of wiring on the job.

Partitions containing interior doors are framed in sections. This illustration shows the use of three panels combined and tied together with the door jamb.

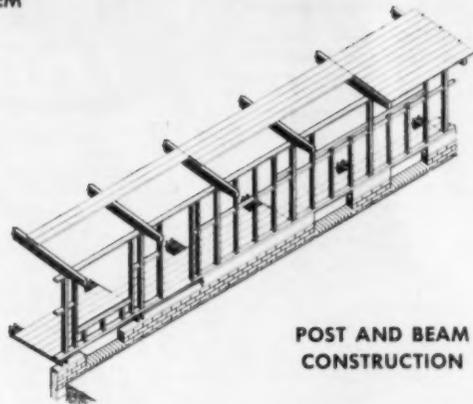
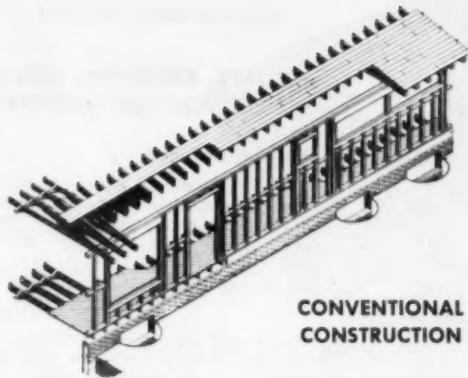


As all basic partition panels are made 4' wide, to facilitate moving into the building through a door, long partitions may be built up by combining panels in vertical and horizontal positions. Dry-wall materials will work either way.

NOTE: The component panel techniques shown here have been developed by the Small Homes Council, University of Illinois, as part of a research project sponsored by the Lumber Dealers Research Council. These are part of the Lu-Re-Co system which is licensed only to retail lumber dealers. More information may be obtained from the National Retail Lumber Dealers Assn., Ring Building, Washington 6, D. C.

## Post and Beam Construction

### THE SYSTEM



### SOME NOTES ON THE SYSTEM

The plank or post and beam system for the construction of floors and roofs in today's houses is uniquely adaptable to the modern design trends toward one-story structures, large glass areas, modular coordination, open-space planning, and, if desired, "natural finish" materials.

It is characterized by the concentration of structural loads on fewer and larger sized pieces than in conventional construction, resulting in rapid site assembly with fewer man-hours. Dual function of materials and the use of planks continuous over two or more spans result in further economy.

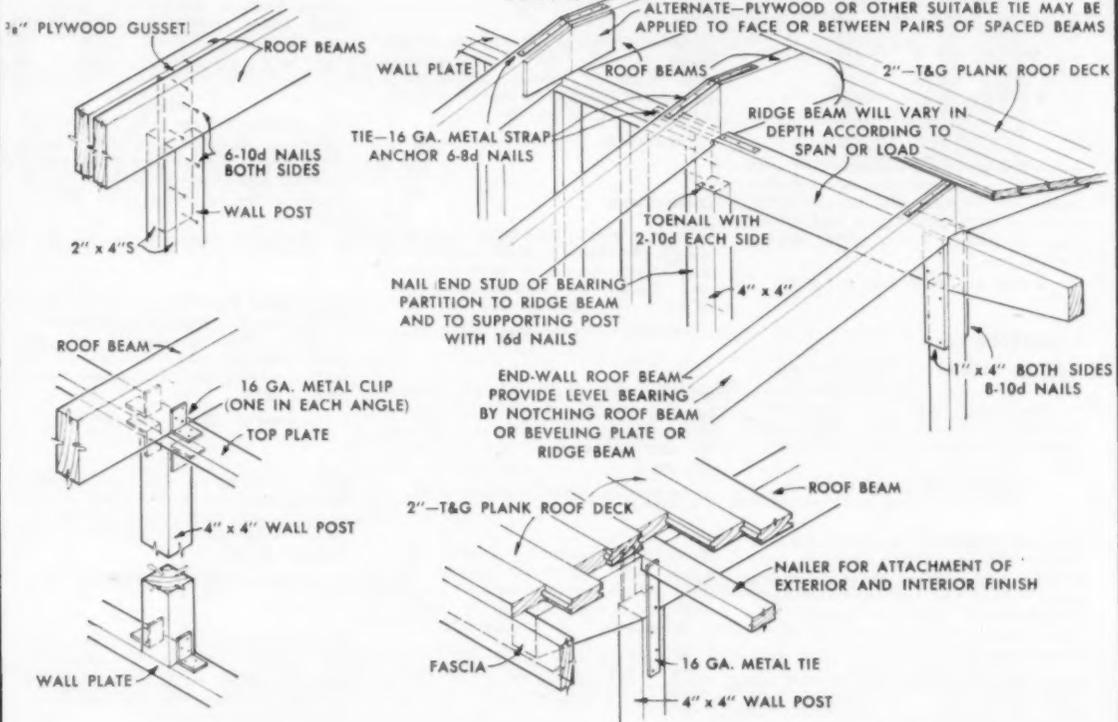
Adapted from heavy timber construction, the system is used for floors and roofs in combination with ordinary wood stud or masonry walls, or curtain wall construction with skeleton frame.

There are limitations to the system. There is less freedom in placing interior partitions. Insulation may be slightly more expensive, and wiring will have to be planned differently than in conventional construction.

Don't be unduly disturbed by these problems. Usually they can be solved without too much trouble. Nevertheless, because of the load concentration and the exposed structural members, a well-engineered design, good material, and good workmanship are vitally important in a post and beam house.

If you are planning to build a post and beam house and want design information, or if you are simply curious about the system, a fine manual has been published by the Housing and Home Finance Agency, called *Plank-and-Beam System for Residential Construction*.

### DETAILS



# CATALOG DIRECTORY

## Refrigerators, freezers

**Colorful Brochure** describes Admiral slimline freezers. Available in upright or chest models. All units feature uniform subzero cold and dry wall construction.—Admiral Corp.

● Circle No. A482 on reply card, p. 20

**Wall Refrigerator-freezer** comes in eight new models, can be installed side by side or over-and-under vertically. Illustrated, with specifications, on two-page folder.—Sub-Zero Freezer Co., Inc.

● Circle No. A483 on reply card, p. 20

**Built-in Refrigerator** units illustrated in a series of pamphlets. Shown are built-in refrigerator-freezer units, built-in electric ranges and water heaters.—Thermador Electrical Manufacturing Co.

● Circle No. A484 on reply card, p. 20

**Efficiency Kitchens** for motels and apartments are illustrated here. Compact combinations of ranges, refrigerators and sinks shown.—Douglas Crestlyn International, Inc.

● Circle No. A485 on reply card, p. 20

## Incinerators

**Information** on the complete line of Calcinator gas and electric home incinerators is available. Specification sheets offer details on size, features and performance of models.—Calcinator Corp.

● Circle No. A486 on reply card, p. 20

**Incinerators . . . gas-fired, electric and fuelless . . .** are described in brochures as the key to home disposal problems. In color, with dimensions and drawings, operating details.—The Majestic Co., Inc.

● Circle No. A487 on reply card, p. 20

## Disposers

**Garbage Disposers** and automatic dishwashers are described in a booklet. Installation instructions and specifications for Waste King dishwashers, dryers and disposer units outlined.—Waste King Corp.

● Circle No. A488 on reply card, p. 20

**Garbage Disposers** for residential and commercial installation. Provide economical and efficient means of doing away with the garbage problem. Specifications given in colorful 12-page brochure.—In-Sink-Erator Manufacturing Co.

● Circle No. A489 on reply card, p. 20

**Food Disposer** that's quiet and vibration-free is described in eight-page booklet. "Citation" is self-cleaning,

has power surge reversing.—National Rubber Machinery Co.

● Circle No. A490 on reply card, p. 20

## Range hoods

**Ventilating Hoods**, fans and accessories in a liberally-illustrated 12-page brochure. Dimensions and specifications for various kitchen installations.—Trade-Wind Motorfans, Inc.

● Circle No. A491 on reply card, p. 20

**Ventilating Hoods**, medicine cabinets and ventilating fans are just a few of the products described. Specifications, descriptions and prices are given in this loose-leaf-type catalog.—Jensen Industries.

● Circle No. A492 on reply card, p. 20

**A Full Line** of "Rangaire" kitchen range hoods and exhaust fans is carried by this company. A specification sheet is included with the catalog.—Roberts Manufacturing Co.

● Circle No. A493 on reply card, p. 20

**Hood Fans** for wall ovens are among latest Nutone built-in home appliances. Individual sheets also describe door chimes, exhaust fans, ceiling light-heaters and scales.—Nutone, Inc.

● Circle No. A494 on reply card, p. 20

**Ventilating Hoods** for kitchen ranges are mounted for wall or roof installation. Shown in catalog in traditional or modern design, variety of finishes.—Stewart Industries, Inc.

● Circle No. A495 on reply card, p. 20

## Intercoms

**Complete New** intercommunication system, including a radio and a door chime system, shown in this literature. System uses transistors instead of tubes.—The Rittenhouse Co., Inc.

● Circle No. A496 on reply card, p. 20

**Intercom Systems**, wall and range-hood types are shown in this brochure. Music and clock-radio systems are also described.—C and H Supply Co., Inc.

● Circle No. A497 on reply card, p. 20

**Music and Intercom** systems, combined, have individual volume control; permit communication to any room in house. Installation instructions included in catalog.—MusiCall Corp.

● Circle No. A498 on reply card, p. 20

**Five-tube AC-DC** built-in radios and radio-intercoms cover all phases of home communication and music.

Four-page brochure lists dimensions, features.—Flush-Wall Radio Co.

● Circle No. A499 on reply card, p. 20

## PAINTS, FINISHES, ADHESIVES, WATERPROOFING

### Paints, finishes

**Practical Guide** on paints, varnishes and enamels. Issued with full product details and specifications in a complete, professional brochure.—Minnesota Paints, Inc.

● Circle No. A500 on reply card, p. 20

**Paints and Varnishes** in a complete line for all kinds of inside and outside jobs. Fully described along with uses in a new 48-page catalog. An easy-to-follow guide for painters, builders and architects.—Pratt & Lambert, Inc.

● Circle No. A501 on reply card, p. 20

**Information Kit** on Sta-Dri offers information on paints, primers and surface treatments. Includes color charts, describes how to use and specify products.—American Sta-Dri Co.

● Circle No. A502 on reply card, p. 20

**Color Cards** show 324 different color combinations for interior and exterior finishes. Included in portfolio with exact mixing formulas.—Egan and Hausman Co., Inc.

● Circle No. A503 on reply card, p. 20

**A Complete Line** of maintenance paints is described in this catalog. Also offers painting specifications, a product guide, colors available in different types of paint.—The Glidden Co.

● Circle No. A504 on reply card, p. 20

**Descriptive Booklet** on how to finish Philippine Mahogany is now available. Bleaches, finishing solutions, etc., and how they are used . . . all are described.—Philippine Mahogany Association, Inc.

● Circle No. A505 on reply card, p. 20

**Paint Products** are shown in a handy 50-page manual. Outlined are various coatings and where and how to use them. Paint charts and data.—The Valspar Corp.

● Circle No. A506 on reply card, p. 20

**Types of Paints** and builders' supplies, how to use them, and full specifications are given in a 12-page catalog. Plenty of data and information.—Tamm Industries Co.

● Circle No. A507 on reply card, p. 20

(Continued on page 170)

# FRAMING LUMBER

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Georgia-Pacific owns one of the world's largest Redwood reserves, including some of the finest remaining stands of old-growth Redwood. This enables Georgia-Pacific to produce better grades in quantity—clear, fine grain lumber, with richer, more lustrous color.

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Georgia-Pacific Exclusive! Factory-Sealed Bevel Siding is the product of G-P research to produce new and better products for builders. Exclusive process seals bevel siding both front and back . . . prevents water spotting, superficial black stains, and inhibits mold.

You save paint and labor — up to \$40 per M ft. Sealer eliminates on-the-job priming. Reduces labor time as paint or stain finish coats flow on faster, cover better . . . last longer.

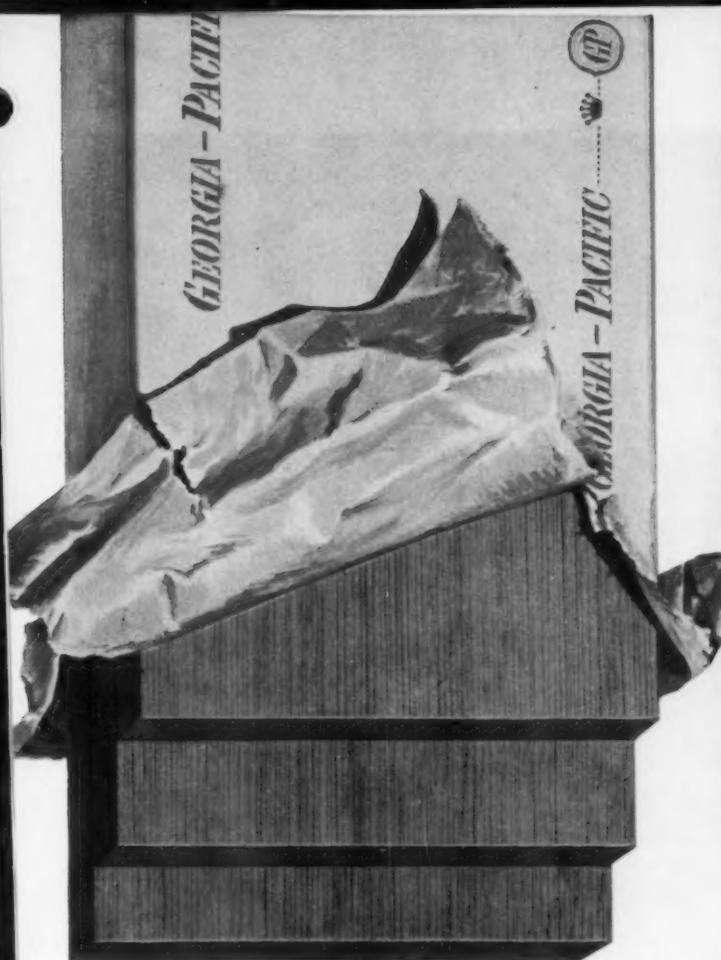
Weatherproof Packaging! New plastic-coated, heat-sealed package protects this siding at job site . . . cuts handling time, prevents discoloration, and reduces marring loss. You can take delivery any time without special storage facilities and be ready to take advantage of good weather.

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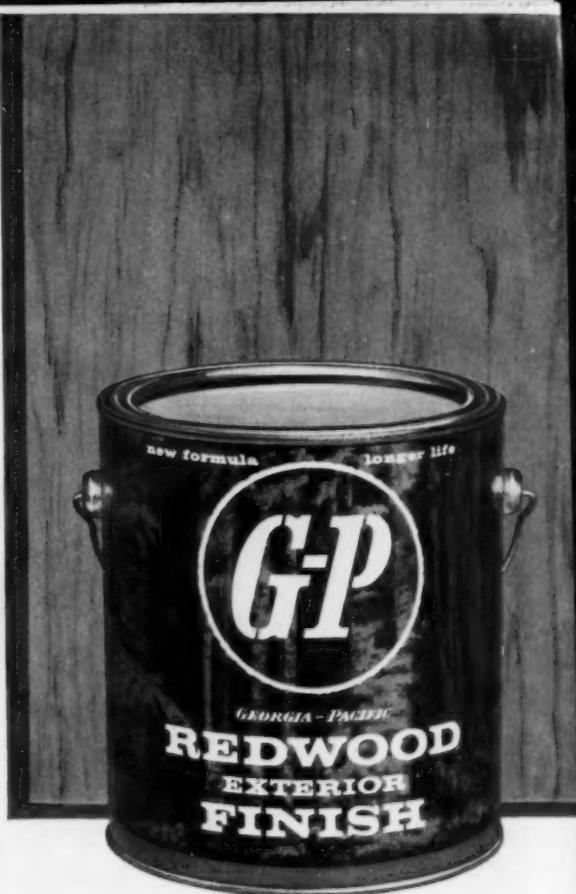




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Redwood Paneling, Pattern, and Finish now reach your job mill-fresh, thanks to G-P package protection—another Georgia-Pacific first! Factory wrapped in plastic-coated kraft paper—heat-sealed to protect against dust, dirt and moisture . . . as well as checking, splitting, scuffing, and other abrasion. Tests prove packaging is moisture-proof after equivalent of 500 days' outdoor exposure.

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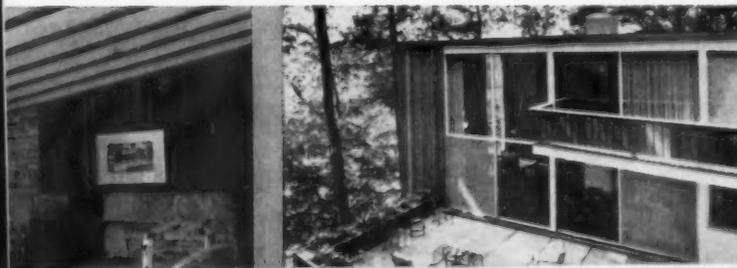
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G-P Redwood Finish contains natural color pigments that enhance subtle grain patterns of Redwood, won't hide grain with "muddy," semi-opaque finish common to many stains. This finish flows on easily, without brush marks . . . allows finish to be thoroughly brushed in, to do a good staining job. Contains ultra-violet barrier for added resistance to discoloration from sunlight . . . contains mold-inhibitor which increases Redwood's resistance to common molds, mildews, fungus. G-P Redwood stain is made for exterior use, yet so versatile you can use it on interiors with excellent results.

# FIRST IN REDWOOD

For specification data, refer to Sweet's Light Construction File, Section 88, or mail coupon.

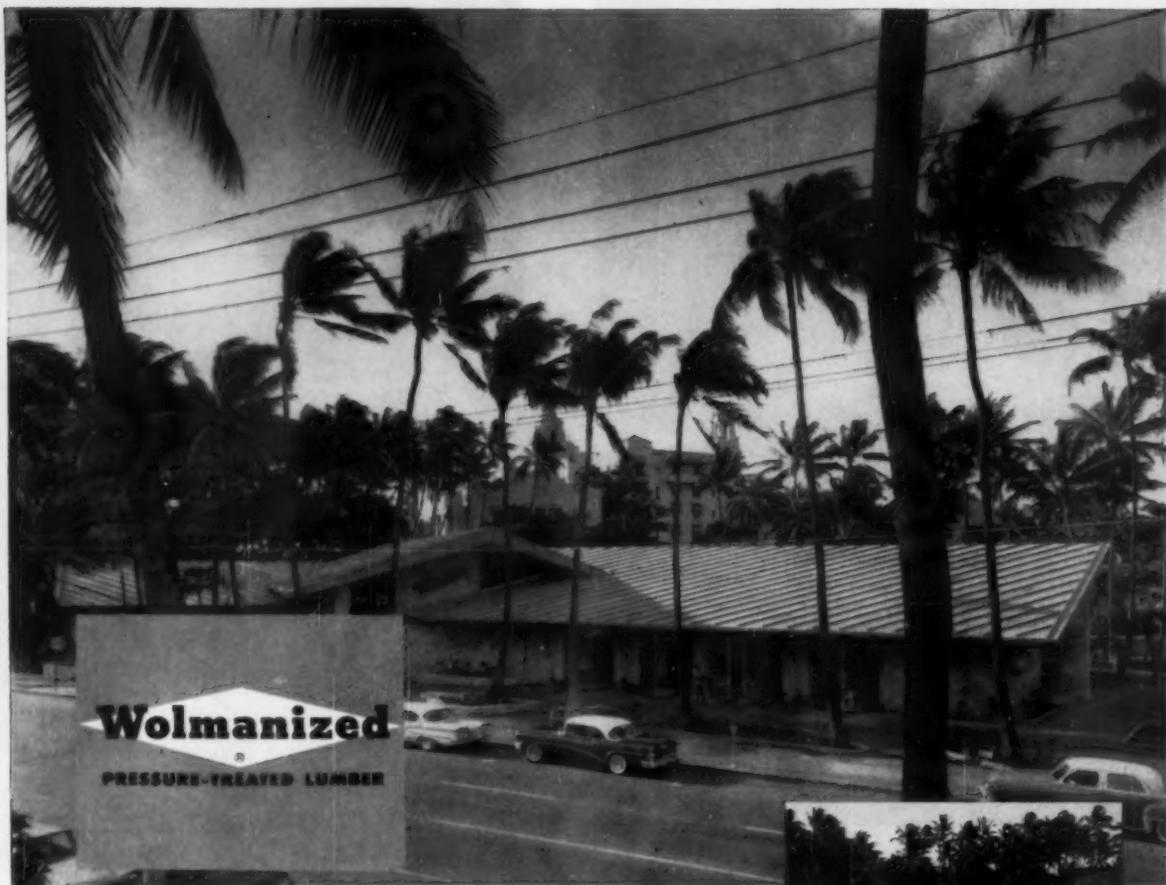


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Please send complete information on G-P Redwood Products.

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



## Unique roof of Wolmanized® lumber protects this modern store



Architect: Vladimir Ossipoff, F.A.I.A.  
Contractor: Walker-Moody Construction Co., Ltd.

For lasting protection against termites and decay, Wolmanized® lumber was used in the roof and throughout McInerny's handsome new store on the Royal Hawaiian grounds at Waikiki. A total of seventy-seven thousand board feet of Wolmanized pressure-treated lumber was used for the store.

The unusual roof was constructed of Wolmanized Douglas Fir, 2-inch tongue-in-groove sheathing. Copper roofing was then applied to conform to the interesting ribbed design.

To acquaint you with the many advantages of decay and termite protected Wolmanized lumber, and how you can use it in light, heavy, and residential construction, send for the 16-

page booklet that's free for the asking. Or, if you are in the tropics, ask for our new "tropical" brochure. Mail the coupon today.

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Wolman Preservative Department, Koppers Company, Inc.  
769 Koppers Bldg., Pittsburgh 19, Pa.



Please send me the 16-page brochure on the use of Wolmanized pressure-treated lumber.

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**TOUGHER GLUE LINE TESTING** produces a uniformly higher glue line strength at no extra cost.

**TECO-DIRECTED QUALITY CONTROL** means that the veneer, the plywood panel and, finally, each lot, is tested to comply with or exceed Commercial Standards.

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THROUGH MODERN USES OF WOOD**

Builders will gain much by reviewing the new Blue Book at the yards of their Weyerhaeuser 4-Square Lumber Dealers. This book illustrates and describes the full line of modern Weyerhaeuser 4-Square Lumber and other building products.

Here you will see a broad range of lumber items . . . boards and dimension, end-matched sheathing, finish, attractive siding patterns, beautiful panelings, mouldings, timbers and plywood—avail-

able in a variety of species and grades.

You will also find illustrated material on many new wood specialties that will help you put extra excitement and selling appeal into your building projects.

There is a line of Nu-Loc products, a new method of manufacturing lumber in preferred lengths and widths . . . as well as Nu-Wall and Loc-Wall paneling, treated water-repellent siding, Lock-Deck and packaged stair treads.

The building design section features

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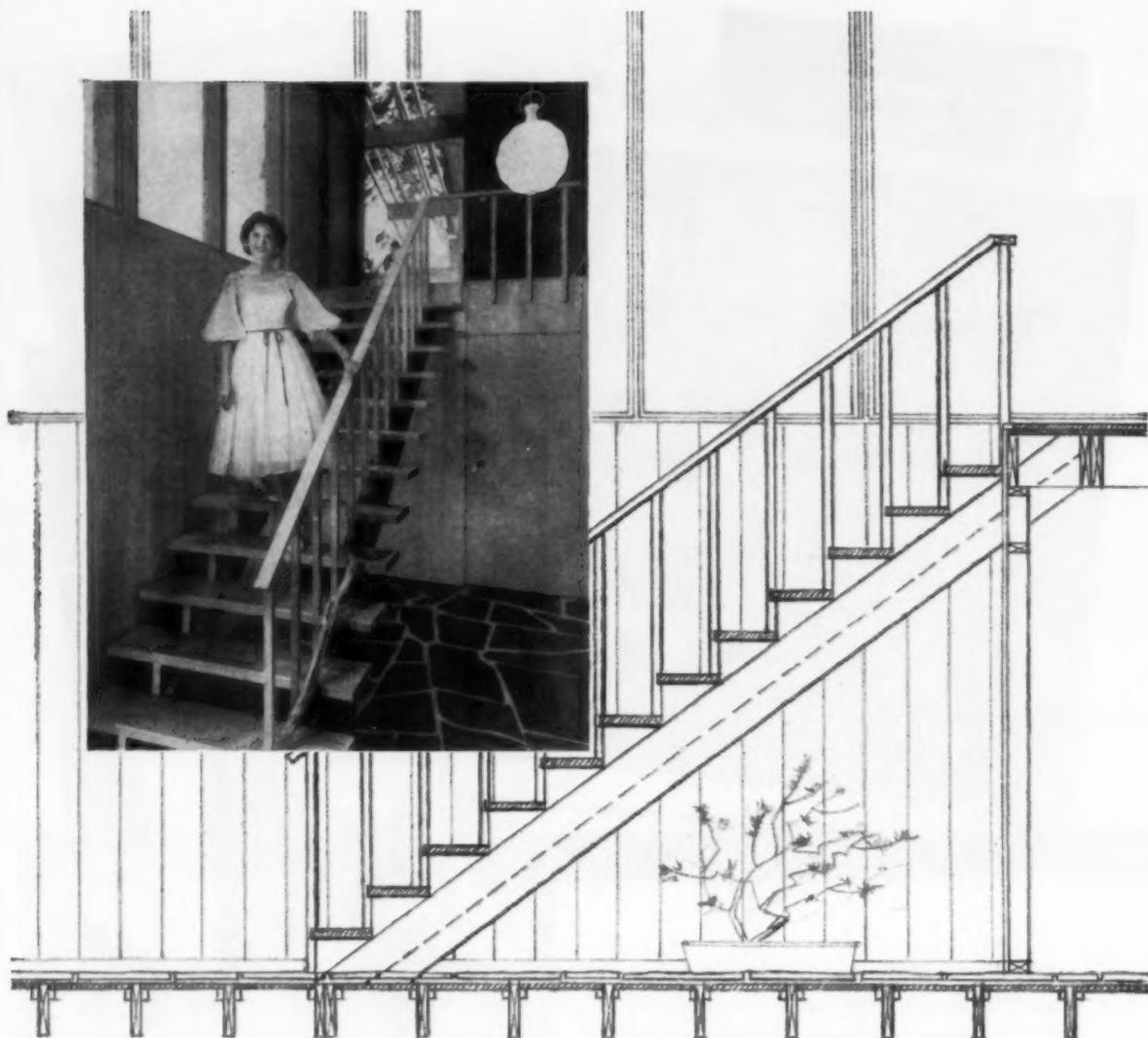


hundreds of plans for modern homes, farm buildings, vacation cabins and cottages, garages, Patty-O-Panels, and other high and low fences.

As you study this Blue Book you will see many pieces of literature that will be helpful to you in presenting building ideas and in gaining extra construction benefits through modern uses of wood. If you wish, your Weyerhaeuser 4-Square Lumber Dealer can supply individual pieces of this literature for your use.

As new literature is produced it will be added to the Blue Book at your dealer's yard. The Blue Book will always have the latest news on modern uses of wood.

**Weyerhaeuser** **4-SQUARE**  
LUMBER AND BUILDING PRODUCTS



*only WOOD's versatility gives your homes*

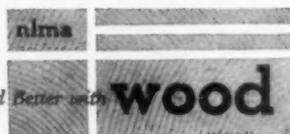
## MORE of the features MOST buyers want

What other building material can *add* so much to a home, in so many ways? Use wood for unusual stairways like this one . . . for warm exterior siding and interior paneling, for favored kitchen cabinets and storage walls, for distinctive doors and snug windows, for naturally beautiful floors. In any part of any house, built of wood means built to *sell!*

However you use wood, inside or out, its versatility is a selling tool that lets you build better homes in any price range. Whatever the price, size or style . . . wherever the locale or site . . . you will sell more houses and make *more dollars per house* when you build with wood. It's the material that lets you offer today's best building buy!

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Marillac College, Normandy, Missouri

Architects: Maguolo & Quick, St. Louis

General Contractor: Gamble Construction Co., St. Louis



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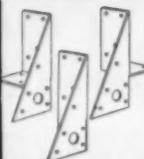


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AB-592

## CATALOG DIRECTORY

### Wood preservatives

**Wood Preservative** extends life of material five times. Penta is a dry chemical compound which dissolves in oil. Four-page pamphlet has application data and specifications.—Monsanto Chemical Co.

● Circle No. A508 on reply card, p. 20

**How Cuprinol** works to protect and preserve wood is the subject of this eight-page catalog. Types and uses for the various kinds of naphthenate preservative. Crammed full of diagrams.—Darworth Inc.

● Circle No. A509 on reply card, p. 20

### Adhesives

**Bonding Adhesives** for all types of building applications are itemized and specified in a 4-page folder. Adhesives listed for insulation, glass, metals, fibrous boards.—Miracle Adhesives Corp.

● Circle No. A510 on reply card, p. 20

**Bonding Agent**, "Plaster-Weld" can be applied to old surfaces for tight, permanent adhesion of new plaster finishes. An eight-page booklet tells how.—Larsen Products Corp.

● Circle No. A511 on reply card, p. 20

### Waterproofing, concrete sealers and colorants

**Water Seal** specifications and uses for protection of building materials are illustrated in an informative brochure. Tells how to apply a wide variety of waterproofing solutions.—E. A. Thompson Co.

● Circle No. A512 on reply card, p. 20

**Dry Masonry** walls, and how to build them, are the subject of a new builders' kit which contains catalogs answering every need. Full descriptions and uses for The Thoro System of waterproof wall coatings.—Standard Dry Wall Prods. Inc.

● Circle No. A513 on reply card, p. 20

**Water Repellant** finish that can be applied in many different colors is described in this literature. Also covered: two types of wood preservatives.—Protection Products Mfg Co.

● Circle No. A514 on reply card, p. 20

**Colored Masonry** is the subject of this new four-color brochure. Applications in both residential and commercial fields are shown along with data on the modern spraying system.—Concrete Industries, Inc.

● Circle No. A515 on reply card, p. 20

(Continued on page 172)

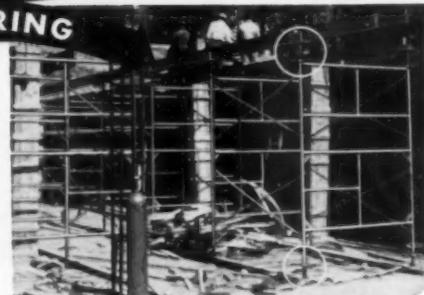
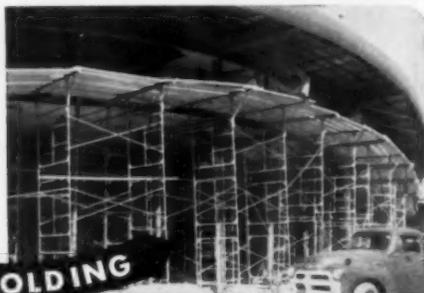
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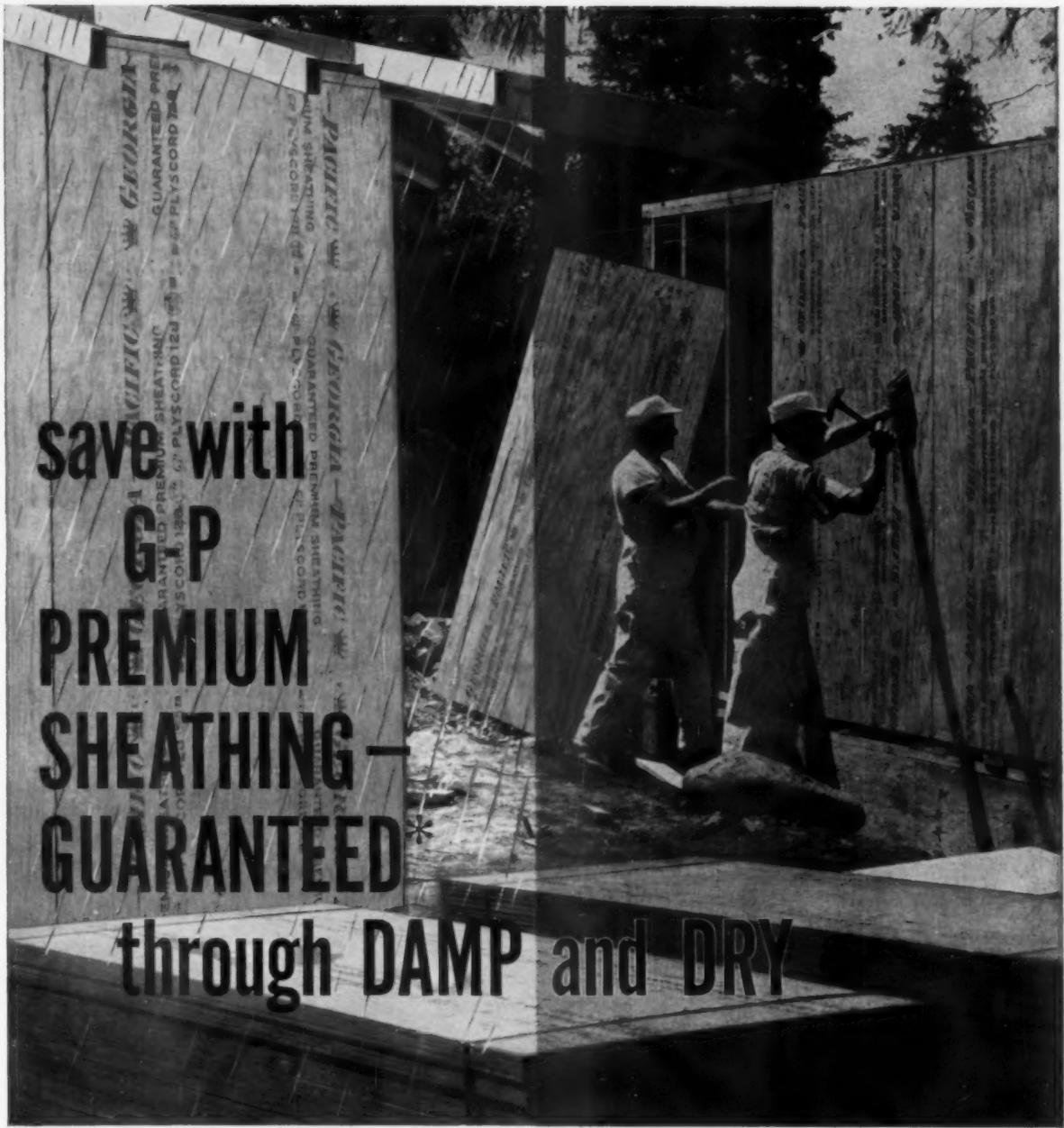
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# CATALOG DIRECTORY

**Caulking and Sealing** compounds for a variety of building purposes are listed in this literature. Featured is Synthacalk, a new synthetic rubber caulking compound.—Pecora Paint Company, Inc.

● Circle No. A516 on reply card, p. 20

## TOOLS AND EQUIPMENT

### Tools

**Both Hand** and power tools are shown in this manufacturer's catalog. Paint scrapers and cutlery, and other finishing equipment, make up the bulk of the line.—Red Devil Tools.

● Circle No. A517 on reply card, p. 20

**Powder-actuated Tools** with a complete line of loads, combined with studs for practically every metal or concrete fastening purpose. Shown in the newest catalog of this company.—Remington Arms Co., Inc.

● Circle No. A518 on reply card, p. 20

**Wood Cutting Machines** to simplify accurate trimming of wood are described in this brochure. Illustrated are a custom trimming machine and

a hinge mortiser, both manually operated.—Dosch Mfg. Co.

● Circle No. A519 on reply card, p. 20

**Woodworking Machines** of all types are illustrated and described in this catalog. Complete specifications plus technical data, performance features.—Yates-American Machine Co.

● Circle No. A520 on reply card, p. 20

**Electric Hammers** and hammer drills are lightweight yet powerful. Both hammers and drills range from 5/8" to 2" capacities. Explained in a four-page catalog.—Syntron Co.

● Circle No. A521 on reply card, p. 20

**Roof Framing** is simplified with an automatic framing square. Set tool to pitch of roof and get marking pattern immediately. Descriptive sheet available.—Sharp's Manufacturing Co.

● Circle No. A522 on reply card, p. 20

**Sprayers, Dusters,** and allied products for use around the home, farm and industry, are described in catalog U-58. Illustrations, specifications and

description of construction features included to help you select the right unit.—Universal Metal Products Co.

● Circle No. A523 on reply card, p. 20

**Power Tools** are shown in a comprehensive 88-page catalog which explains 53 machines, 246 models and over 1,300 accessories.—Rockwell Manufacturing Co., Delta Power Tools Div.

● Circle No. A524 on reply card, p. 20

**Sharp Blades** are a "must" if woodworking machines are to work at peak efficiency. The Stiefel Blade-Crafter is designed to true and whet these blades. Installation and operating sheet available.—Earl E. Stiefel.

● Circle No. A525 on reply card, p. 20

**Accurate Mitering,** and many other jobs requiring precision cutting, are detailed in this literature. Plenty of information on the Lion Trimmer, a multi-duty blade cutter.—The Foottuck Corp.

● Circle No. A526 on reply card, p. 20

(Continued on page 184)



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### Four times tighter!

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Get the full story on LaBelle Cut Nails from your Wheeling man. Or write Wheeling Corrugating Company, Wheeling, W. Va.

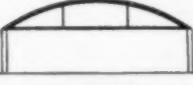
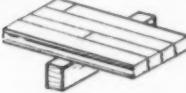


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Engineered members cut erection costs and add beauty to any type of building.

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 BOWSTRING TRUSSES	Wide, Clear-Span Buildings Garages    Factories    Hangars Warehouses    Gymnasiums	24' to 200'	8' to 20'	Well adapted to wide, clear-span construction. Economical. Designed for specific requirements such as concentrated loads, hoists, etc.
 TIED ARCHES	Stores    Factories Theaters Warehouses    Hangars	24' to 65'	2'	Light enough to erect without special equipment. One inch roof sheathing can be nailed to top of arch with ceiling material nailed directly to lower tie.
 UTILITY ARCHES	Small Hangars Warehouses    Gymnasiums Theaters Community Buildings	28' to 80'	2' to 20'	Easy to plan. Economical. Combines sidewall and roof in one piece for easy erection. Requires no costly field assembly. Any type of roofing can be applied over sheathing.
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 RILCO DECK	Churches    Gymnasiums Schools    Auditoriums Stores    Offices    Homes Industrial Buildings	12' to 18'	SIZES Random Lengths— Full 5 1/4" wide by 3 1/2" thick. Also nominal 3" x 6" and 2" x 6"	Rilco Deck is milled from solid western red cedar or light colored species. Double tongue and grooved pieces are spiked through pre-drilled holes to form slab. Serves as sheathing, insulation, ceiling — economical, fire safe construction.

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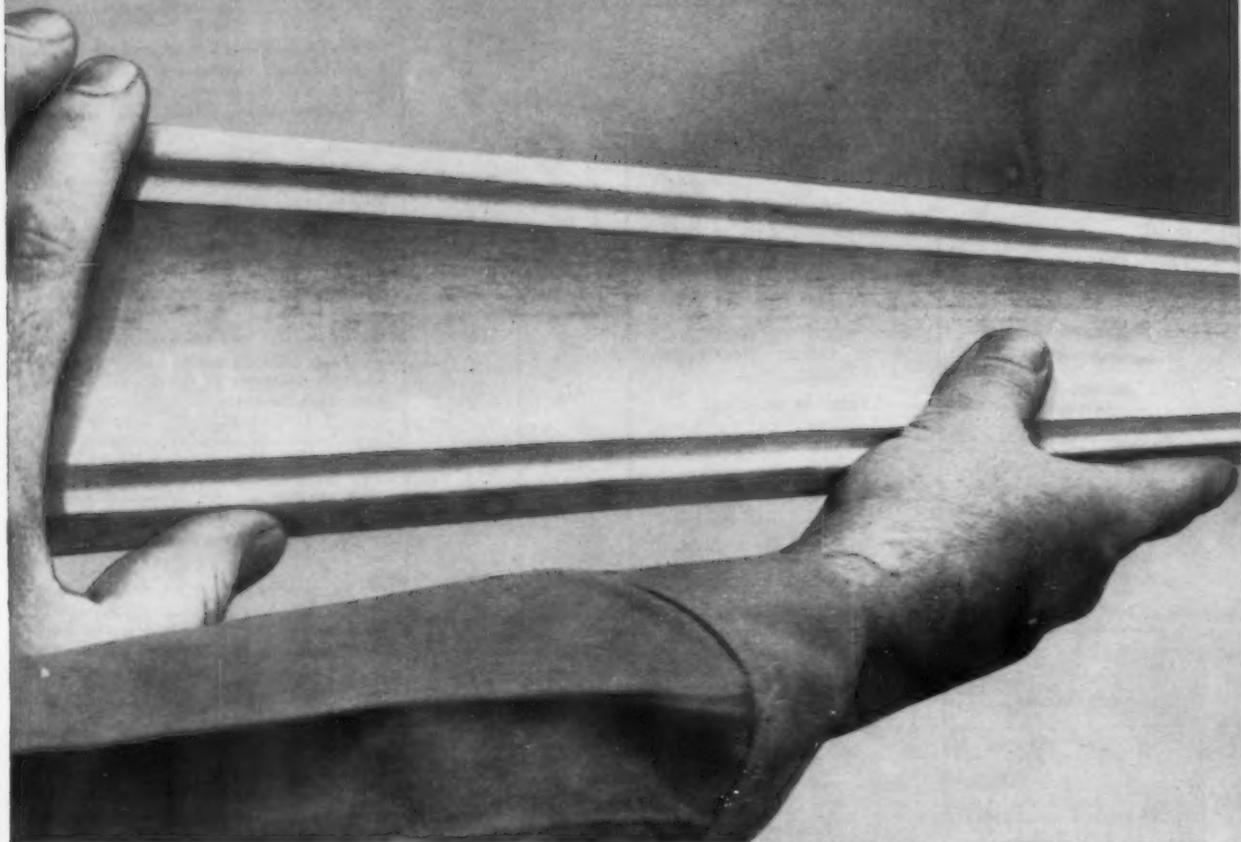
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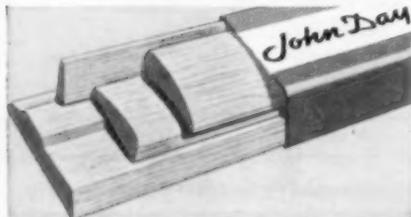
## CONTINUOUS MOLDINGS

Now, installing trim costs you less because of new millwork manufacturing methods pioneered by Hines. In a new \$1,000,000 plant at Hines, Oregon, Hines special close-tolerance shapers automatically make *precision* cut joints so tightly fitted and glued that they're stronger than the wood itself. Joints are invisible when painted. Lengths up to 24' fit wall to wall in almost any room, end the need for cutting and fitting shorter pieces to make a long molding, reduce labor

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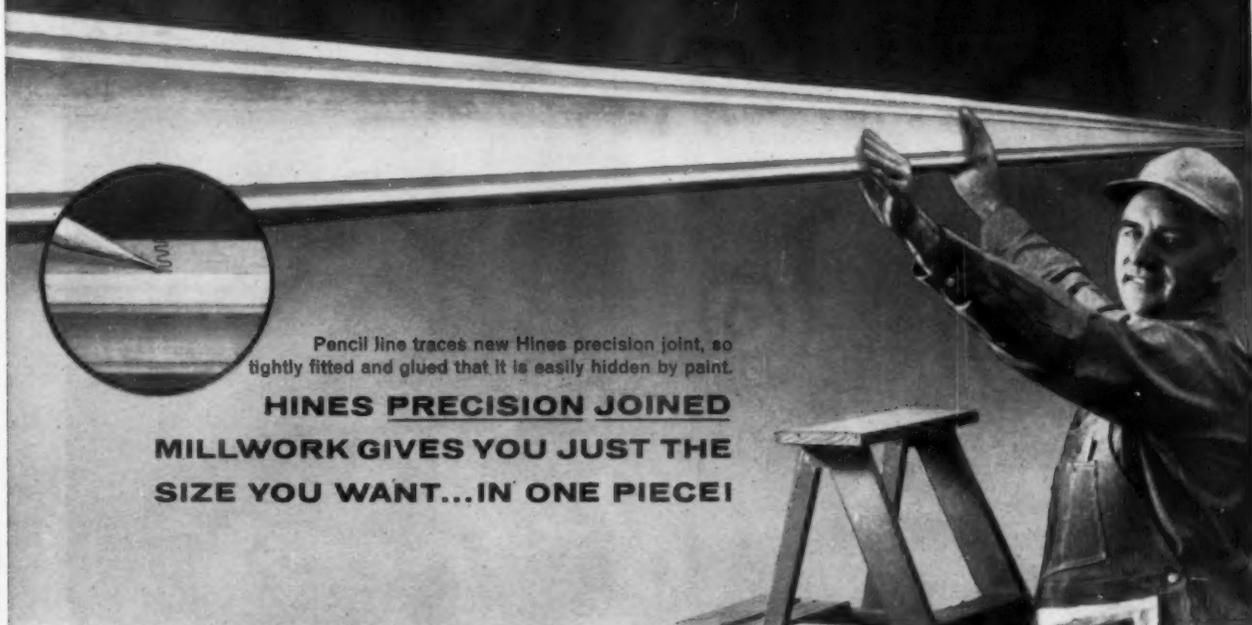
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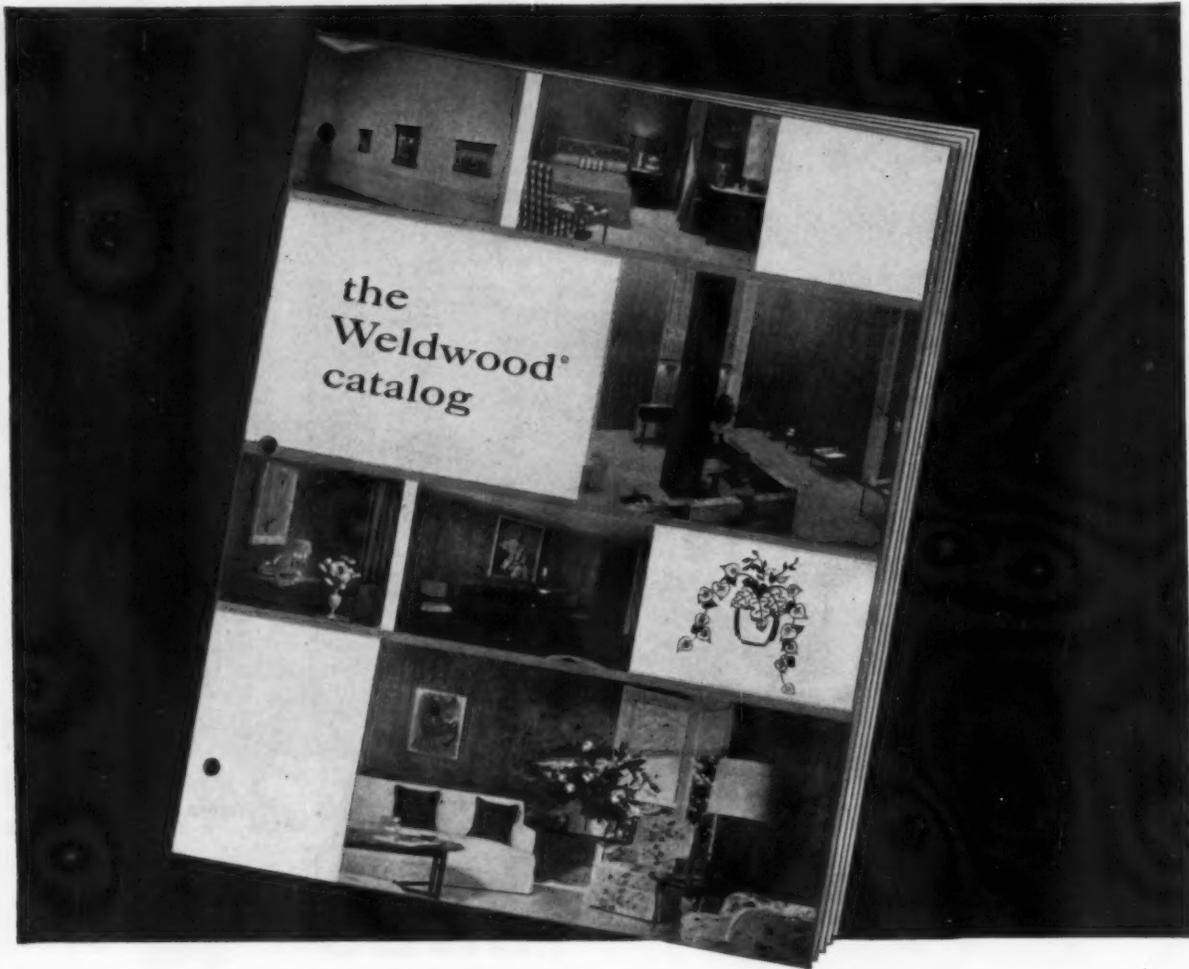
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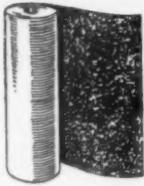


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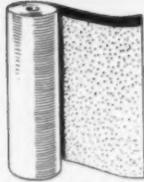
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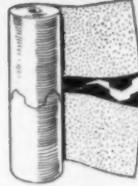
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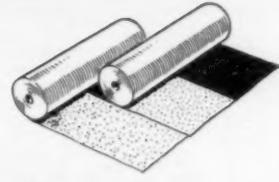
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1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5	1	2	3	4	5																				
144'	36"	4"	2"	34"	36'	36"	4"	2"	34"	36'	36"	4"	2"	34"	36'	36"	4"	2"	34"	42'	36"				2"	16"				36'	36"									19"	17"			
22'	36"	4"	2"	34"	36'	36"	6"	3"	33"	36'	36"	4"	2"	34"	36'	36"	4"	2"	34"	48'	32"				2"	14"				36'	36"									19"	17"			
					36'	36"	6"	4"	32"	36'	36"	4"	2"	34"																														



**3-TAB SQUARE BUTT STRIP SHINGLE**

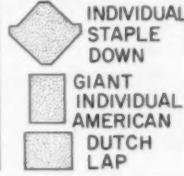


**2-TAB HEX STRIP SHINGLE**



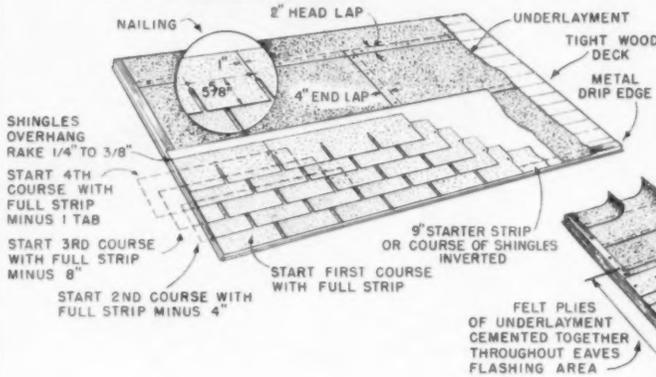
**3-TAB HEX STRIP SHINGLE**

36"	12"	2"	5"
36"	12"	4"	4"
36"	11 1/3"	2"	4 2/3"
36"	11 1/3"	2"	4 2/3"

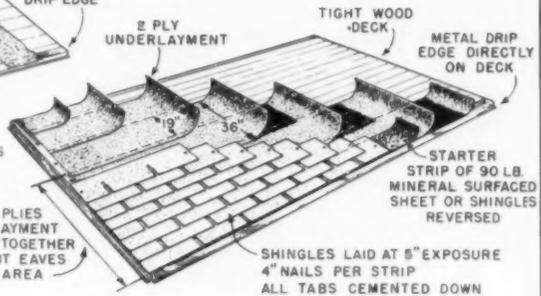


1	2	3	4	5
16"	16"	2 1/2"		
16"	12"		6"	5"
16"	12"	3"	2"	10"

INSTALLATION OF THREE-TAB BUTT SHINGLES ON ROOFS OF 4" RISE OR MORE PER HORIZONTAL FOOT

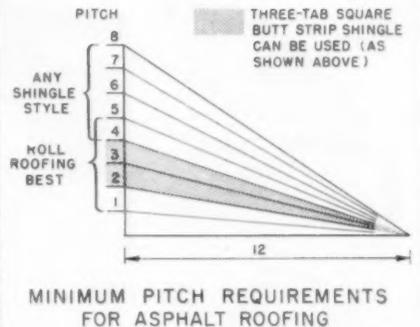


INSTALLATION OF THREE-TAB BUTT SHINGLES ON ROOFS HAVING SLOPES LOWER THAN 4" BUT NOT LOWER THAN 2"



	SHINGLES PER SQUARE	NAILS PER SHINGLE	NAILS PER SQUARE	LENGTH OF (N) NAIL	LBS. PER SQUARE (APPROX)	
					12 GA. BY 7/16" HEAD	11 GA. BY 7/16" HEAD
ROLL ROOFING ON NEW DECK			252	1"	73	1.12
ROLL ROOFING OVER OLD ROOFING			252	1 3/4"	1.13	1.78
19" SELVAGE OVER OLD SHINGLES			181	1 3/4"	.83	1.07
3-TAB SQUARE BUTT NEW	80	6	504	1 1/4"	1.83	2.32
3-TAB SQUARE BUTT REROOFING	80	6	504	1 3/4"	2.38	3.01
HEX STRIP NEW	86	4	361	1 1/4"	1.28	1.68
HEX STRIP REROOFING	86	4	361	1 3/4"	1.65	2.03
GIANT AMERICAN	226	2	479	1 1/4"	1.79	2.27
GIANT DUTCH LAP	113	2	236	1 3/4"	1.07	1.39
INDIVIDUAL HEX	82	2	172	1 3/4"	.79	1.03

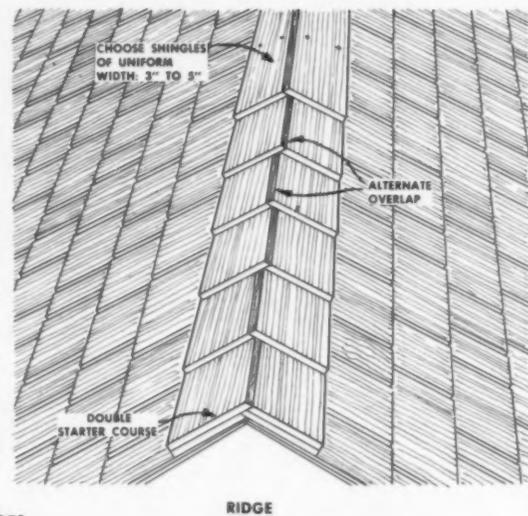
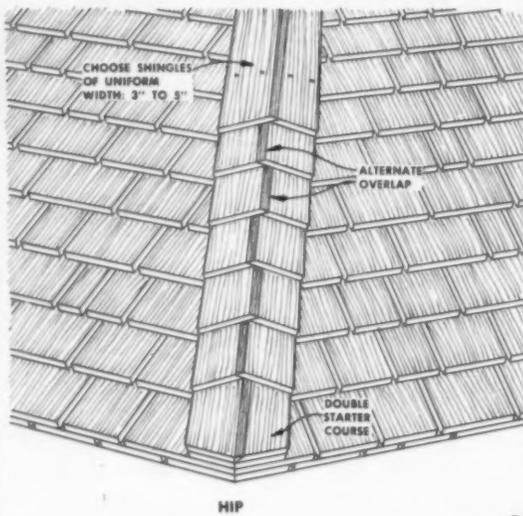
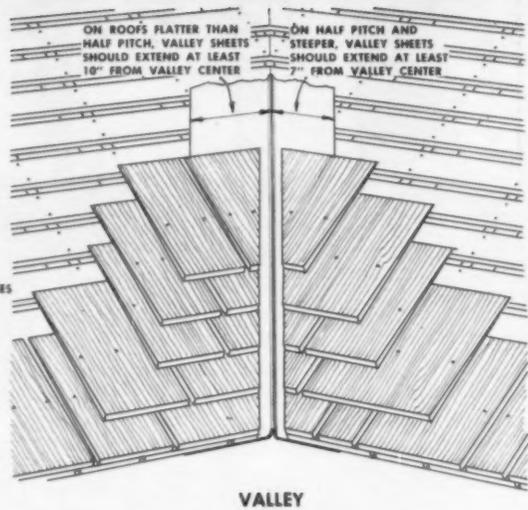
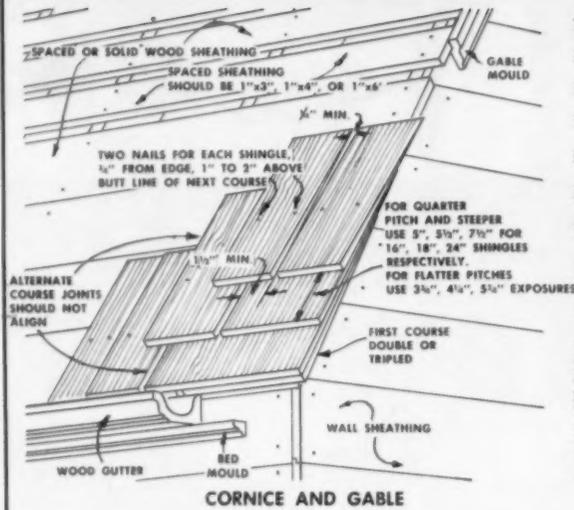
(\*N) LENGTH OF NAIL SHOULD ALWAYS BE SUFFICIENT TO PENETRATE AT LEAST 3/4" INTO SOUND WOOD DECK LUMBER. NAILS SHOULD SHOW LITTLE, IF ANY, BELOW UNDER-SIDE OF DECK LUMBER.



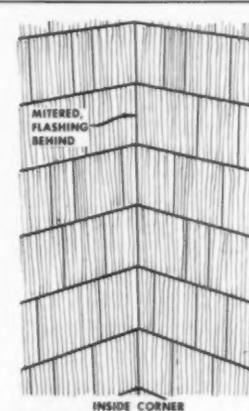
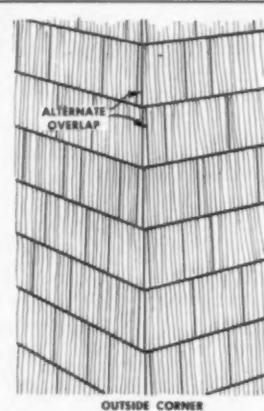
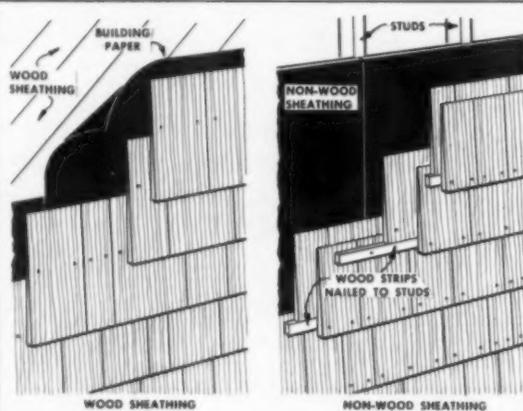
COURTESY OF THE ASPHALT ROOFING INDUSTRY BUREAU

# ROOFING, SIDING, INSULATION, SHEATHING

## Red Cedar Shingles



### ROOFS



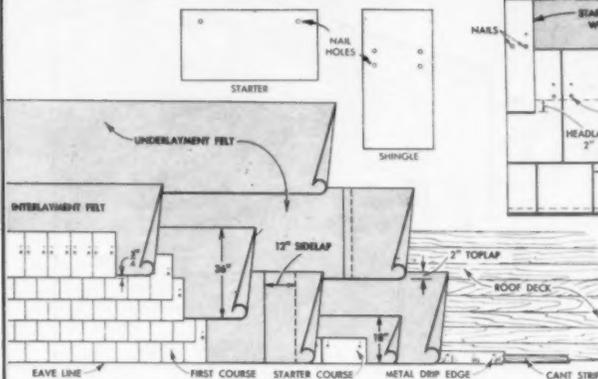
### WALLS

9

# ROOFING, SIDING, INSULATION, SHEATHING

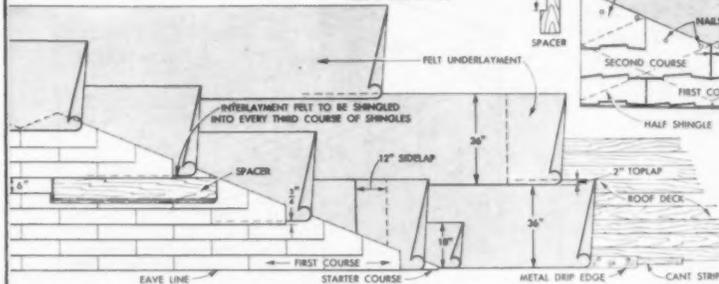
## Asbestos Cement Roofing Guide

Asbestos-Cement Roof shingles may be applied on roofs having a slope of 5" in 12" or greater. Using the low slope application methods shown here, they may be applied on slopes as low as 2" in 12".

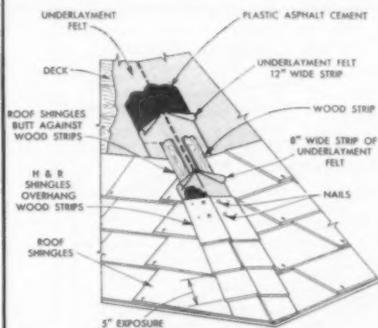


Low-slope application method for American Method Individual shingles.

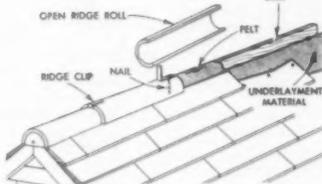
Note: Alignment feature of shingles will be obscured by felt on every third course. Snap chalk lines to provide accurate alignment or use an alignment spacer made of wood or metal.



Low-slope application for American Method Multiple-Unit shingles.

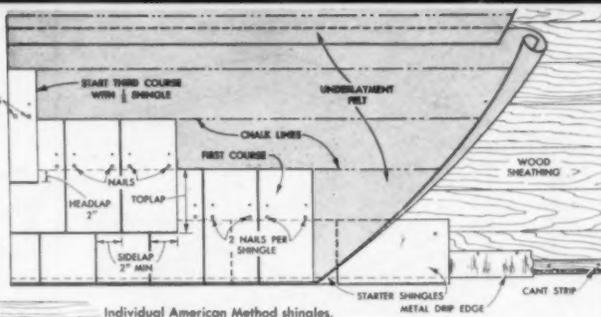


Application Method for finishing Hips and Ridges.



Ridge Roll used on Ridge as alternate to Ridge shingles.

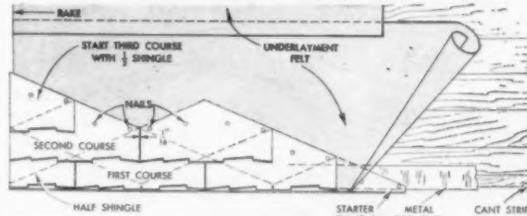
Asbestos Cement Roof shingles are manufactured with holes properly located and pre punched to receive concealed roofing nails. Nails, which are not provided, must be made of non-corrodible metal or hot-dipped galvanized steel, needle or diamond pointed with heads approximately 3/8" dia. Underlayment and interlayment must be 15 lb. asphalt-saturated organic felt.



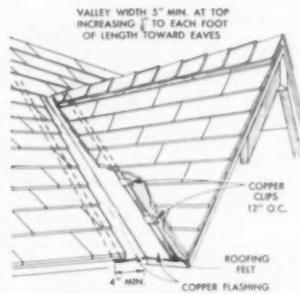
Individual American Method shingles.

Nails	Diameter	Length	Type
Over solid lumber deck	1/2"	Approx. 1 1/2"	1
Over plywood deck	3/8"	not over 1 1/2"	2
For reroofing	3/8"	2"	1

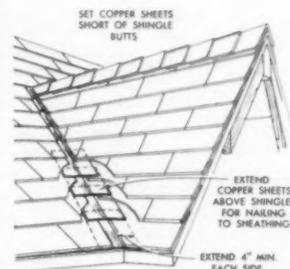
1. Smooth, Barbed, or Threaded
2. Single screw thread barbing, or ring barbing



Application Method for another design of American Method Multiple-Unit shingle.



Open-Valley Flashing.



Closed-Valley Flashing.

### 4 Basic Types of Asbestos Cement Roof shingles

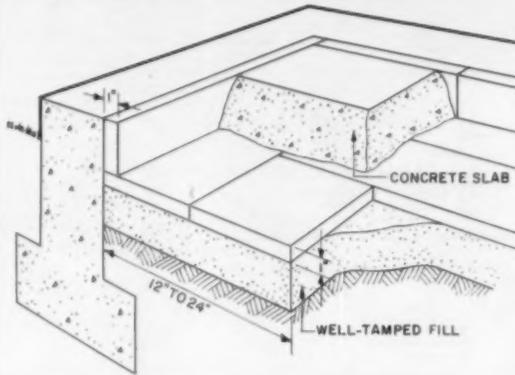
Type	Width	Height	Thickness	Exposure	Approx. Shipping wt.
American Method Individual Unit	8"	16"	5/32"	7"	350 lbs.
	9"	18"	1/4"	8"	585 lbs.
American Method Multiple Unit	24" to 30"	14" to 15 3/8"	5/32" to 1/4"	6 3/8" to 6 5/8"	300 lbs. 440 lbs.
	Dutch Lap	16"	16"	5/32"	12" x 13"
Ranch Design	24"	12"	5/32"	20" x 9"	255 lbs.

Courtesy: Asbestos Cement Products Association

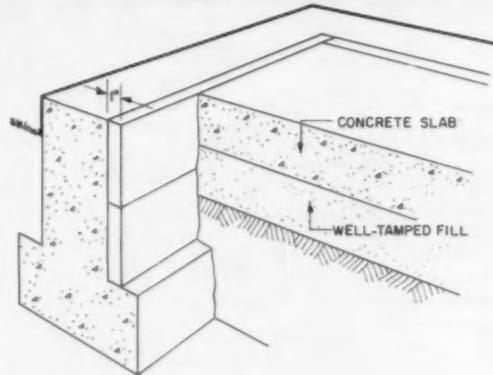
# ROOFING, SIDING, INSULATION, SHEATHING

## Rigid Insulation

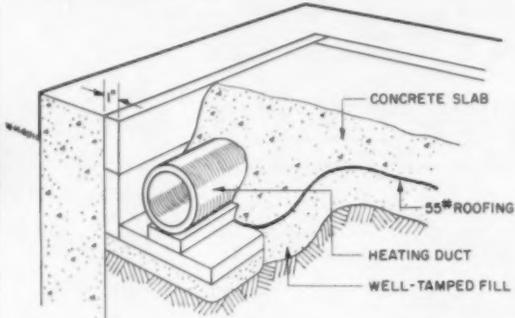
### HORIZONTAL PERIMETER INSULATION



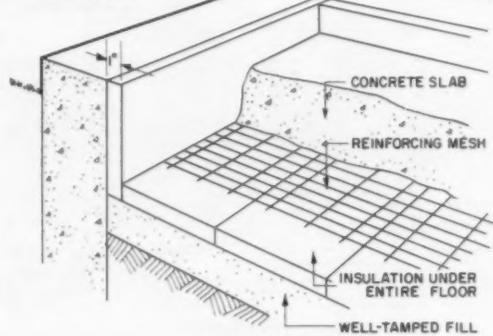
### VERTICAL PERIMETER INSULATION



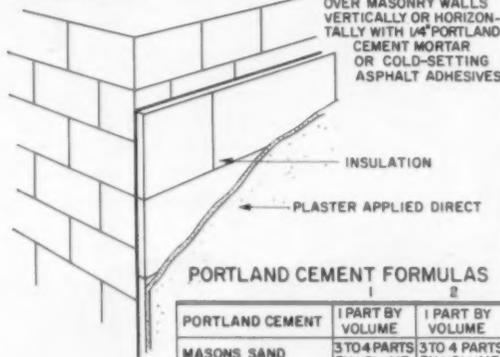
### PERIMETER HEATING INSULATION



### SLAB INSULATION FOR USE WITH RADIANT HEAT AND FOR MINIMUM HEAT LOSS



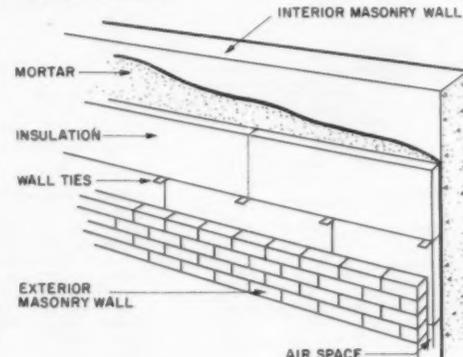
### INSULATION



#### PORTLAND CEMENT FORMULAS

PORTLAND CEMENT	1 PART BY VOLUME	1 PART BY VOLUME
MASONS SAND	3 TO 4 PARTS BY VOLUME	3 TO 4 PARTS BY VOLUME
HYDRATED LIME	1/8" TO 1/4" PARTS BY VOL.	

### CAVITY WALL



### PACKAGED STYROFOAM

SHIPPED IN CONTAINERS MEASURING 20" x 24" x 36" IN STOCK SIZES LISTED IN 3'-0" LENGTHS.

SIZE	BD. FT. PIECE	PIECES BOX	BD. FT. BOX
1" x 10"	2.5	48	120
1" x 12"	3	37	111
1 1/2" x 10"	3.75	32	120
1 1/2" x 12"	4.5	26	117
2" x 10"	5	24	120
2" x 12"	6	20	120
3" x 10"	7.5	16	120
3" x 12"	9	12	108
4" x 10"	10	12	120
4" x 12"	12	10	120
5" x 12"	15	8	120

### UNPACKAGED STYROFOAM

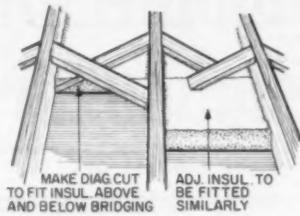
SHIPPED IN CARLOAD OR TRUCK LOTS IN STOCK SIZES LISTED IN 9'-0" LENGTHS.

SIZE	BD. FT. PIECE	SIZE	BD. FT. PIECE
1" x 10"	7.5	3" x 10"	22.5
1" x 12"	9	3" x 12"	27
1 1/2" x 10"	11.25	4" x 10"	30
1 1/2" x 12"	13.5	4" x 12"	36
2" x 10"	15	5" x 12"	45
2" x 12"	18		
2 1/2" x 10"	18.75		
2 1/2" x 12"	22.5		

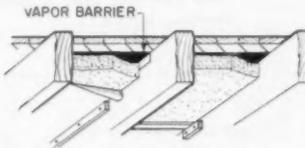
# ROOFING, SIDING, INSULATION, SHEATHING

## Insulation Guide

### BETWEEN BRIDGING

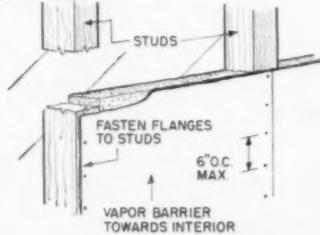


### BETWEEN CEILING JOISTS

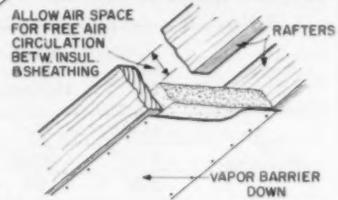


EITHER VAPOR PERMEABLE ASPH FELT, WOOD STRIPS OR LACING WIRE, TO HOLD INSUL. AGAINST FLOORING

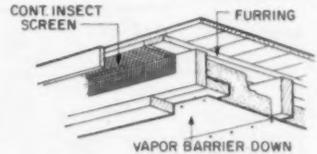
### IN WALLS



### BETWEEN RAFTERS

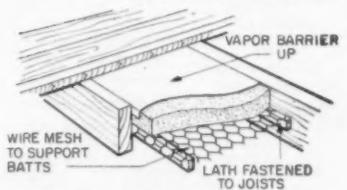


### IN FLAT ROOFS

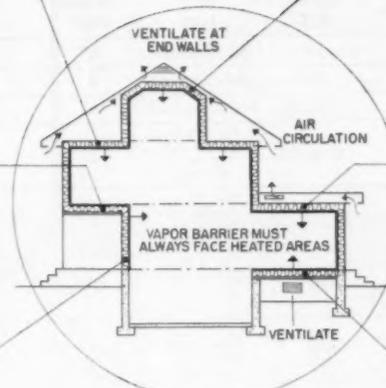


INSTALL FURRING AND SCREEN AS SHOWN IF FREE AIR CIRCULATION PARALLEL TO RAFTERS CANNOT BE PROVIDED

### IN CRAWL SPACES



ALTERNATIVES: LACE BAILING WIRE BETW. JOISTS SECURED WITH STAPLES OR ARCH. 11 GAUGE WIRE BETWEEN JOISTS



USE 6" BATTS WHERE RAFTERS ARE 2'x8" OR MORE, PARTICULARLY IN AIR CONDITIONED HOUSES

COURTESY, NATIONAL MINERAL WOOL ASSOCIATION

ALWAYS USE THE 6-3-2 RULE:

6" BATTS AS BLANKETS BETWEEN RAFTERS OR JOISTS, 3" BATTS BETWEEN STUDS AND 2" BATTS BELOW FLOORS

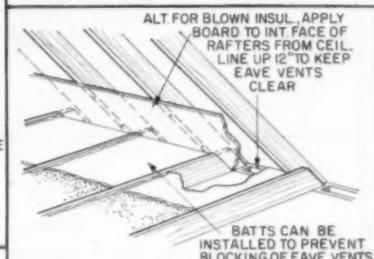
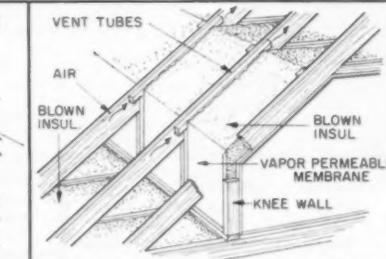
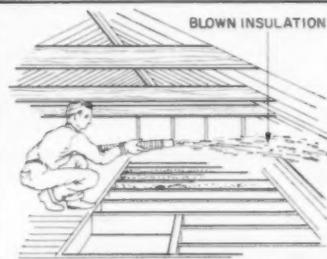
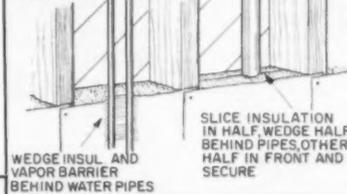
NAILING:

6" MAXIMUM SPACING

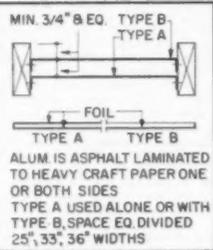
### BLANKET SIZES

1	15" WIDTHS BETWEEN STUDS OR JOISTS - 16" O.C.
2	19" WIDTHS BETWEEN STUDS OR JOISTS - 20" O.C.
3	23" WIDTHS BETWEEN STUDS OR JOISTS - 24" O.C.

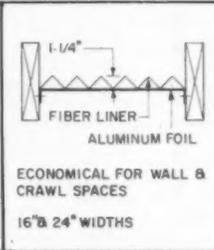
### AROUND PIPES



### REFLECTIVE INSULATION



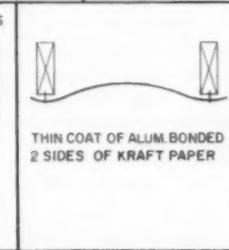
ALUM. IS ASPHALT LAMINATED TO HEAVY CRAFT PAPER ONE OR BOTH SIDES  
TYPE A USED ALONE OR WITH TYPE B, SPACE EQ. DIVIDED 25", 33", 36" WIDTHS



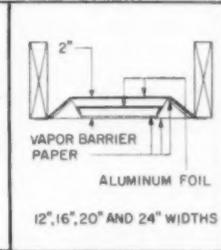
ECONOMICAL FOR WALL & CRAWL SPACES  
16" & 24" WIDTHS



AVAILABLE IN 12", 16" & 24" WIDTHS  
HEAVY WEIGHT FOIL IN 16" & 24" WIDTHS



THIN COAT OF ALUM. BONDED 2 SIDES OF KRAFT PAPER



VAPOR BARRIER PAPER  
ALUMINUM FOIL  
12", 16", 20" AND 24" WIDTHS

# ROOFING, SIDING, INSULATION, SHEATHING

## Sheathing Standards

### WALL SHEATHING

Product	Sizes	Recommended Thicknesses	Maximum Stud Spacing (O.C.)	Nail Size and Type	Nail Spacing (Panel Edge)	Nail Spacing (Intermediate)	Notes
Fir Plywood	4'x8'	5/8"	16"	6d Common	6"	12"	Apply with face grain perpendicular to studs.
	4'x8'	3/4", 1/2"	24"	6d Common	6"	12"	
	4'x8'	3/4"	24"	8d Common	6"	12"	
Fiberboard (Vertical Application)	4'x8'-4'x9'	3/8"	16" or 24"	1 3/4" 12 ga. Galvanized Rfg. Nails 3/8" head	3"	6"	Drive nails until head is flush with sheathing surface.
	4'x8'-4'x9' 4'x10'-4'x12'	1/2"	16"	1 1/2" 12 ga. Galvanized Rfg. Nails 3/8" head	3"	6"	
Fiberboard (Horizontal Application)	2'x8'	3/8"	16"	1 3/4" 12 ga. Galvanized Rfg. Nails 3/8" head	4 1/2"	8"	Stagger end joints in successive courses.
	2'x8'	1/2"	16"	1 1/2" 12 ga. Galvanized Rfg. Nails 3/8" head	4 1/2"	8"	
Gypsum Board (Horizontal Only)	2'x8'	1/2"	16"	1 3/4" 11 ga. Galvanized Rfg. Nails 3/8" head	4"	8"	
Wood (Diagonal or Horizontal Application)	1"x4" to 1"x8"		16"	8d Common	2 Nails at all Bearings		Joints in adjacent boards separated by 2 stud spaces.
	Above 1"x8"		16"	8d Common	3 Nails at all Bearings		

### STAPLE APPLICATION SPECIFICATIONS

Product	Thickness of Fiberboard	Maximum Stud Spacing	Gauge of Staple	Minimum Crown of Staple	Minimum Length of Staple	Spacing at Edge of Sheet	Spacing at Intermediate Members	Notes
Fiberboard Wall Sheathing (with Diagonal Bracing)	1/2"	16"	16	3/8"	1 1/4"	4"	6"	1. 1/2" Fiberboard shall be special dense type. 2. Unless engineering analysis of racking resistance is submitted for FHA determination, each wall shall contain at least one eight foot or three four foot wall sections without openings. 3. Panel must be nailed around entire perimeter.
	1/2"	16"	14	3/8"	1 1/4"	4"	8"	
	3/8"	24"	16	3/8"	1 1/2"	4"	6"	
	3/8"	24"	14	3/8"	1 1/2"	4"	8"	
Fiberboard Wall Sheathing (without Diagonal Bracing)	1/2"	16"	16	3/8"	1 1/4"	3"	6"	
	1/2"	16"	14	3/8"	1 1/2"	4"	8"	
	3/8"	16"	16	3/8"	1 1/4"	3"	6"	
	3/8"	16"	14	3/8"	1 1/4"	4"	8"	

Product	Thickness	Maximum Stud or Joist Spacing	Minimum Gauge of Staple	Minimum Crown of Staple	Minimum Length of Staple	Maximum Spacing of Staples on Framing Members	Notes
Gypsum Lath	3/8"	16"	16	3/8"	3/8"	5"	For Gypsum Lath, staples shall be driven with the crown parallel to the long dimension of the framing member, using not less than 4 staples per 16" width of lath per framing member and not more than 5" o.c., in such a manner that the crown bears tightly against the lath but does not cut into the face paper. The legs of the staples shall be no less than 3/8" from the ends and edges of the lath. For Gypsum Wall Sheathing: no less than 5 staples per 24" width of sheathing per framing member and not more than 6" o.c., and for First Ply, etc., not more than 5" o.c. on ceilings and 6" o.c. on sidewalls.
	1/2"	16"	16	3/8"	1"	5"	
	1/2"	24"	16	3/8"	1"	4"	
Gypsum Wall Sheathing (with diagonal Bracing)	1/2"	16"	16	3/8"	1 1/2"	6"	
	1/2"	24"	16	3/8"	1 1/2"	6"	
First Ply Only of Two-Ply System Gypsum Dry-Wall Interior Finish	3/8"	16"	16	3/8"	1"	5" on ceilings 6" on walls	
	3/8"	24"	16	3/8"	1 1/2"	5" on ceilings 6" on walls	

# The Hidden Persuaders

...to sell houses to quality-conscious buyers

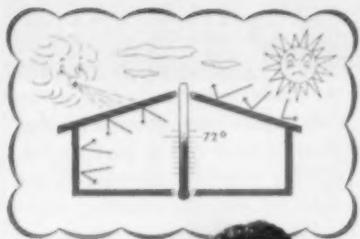
USE these QSM building aids as customer persuaders. Even a layman can see the hidden value they add: quality which must be built in; can't be added later. It's the kind of value today's quality-conscious home buyer is looking for.

QSM residential metal building materials hold down the cost of building, too; save time on the job, valuable materials, or both. Use them to cut costs with a clear conscience, while making your houses more saleable. Designed to meet FHA and VA requirements.



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Write for Complete Building Products Catalog.



*"We'll be warm in winter's cold—cool in summer's heat... Thanks to \*REFLECT-O-RAY"*

Proof of the product is in its performance—and its relation to costs. That's why a growing number of builders are taking advantage of insulation materials faced with REFLECT-O-RAY. In new or remodeled homes, costs are lower... insulating results better for REFLECT-O-RAY helps keep homes winter warm and summer cool. Its millions of tiny, sparkling, mirror-like flakes (which are bonded to

tough, durable kraft) provide a *more efficient* type of heat reflecting surface. "Young Moderns" appreciate your sound judgement of usage, too, because it means savings in both fuel and air-conditioning efficiency. There's no need to fret about condensation build-up either because REFLECT-O-RAY is a natural "breather." For *comfort everyone can afford* use only insulations faced with REFLECT-O-RAY.

\*REFLECTIVE "BREATHER" SHEET FACING  
FOR INSULATION BLANKETS AND BATTS UTILIZING  
ON THESE AND OTHER FAMOUS BRAND INSULATIONS:



REFLECT-O-RAY is a tough, durable...

CATALOG  
DIRECTORY

Everything for Spray Painting is both photographed and completely explained in this concern's latest booklet. Price lists, specifications, and capabilities of each piece of equipment are described here.—Binks Manufacturing Co.

● Circle No. A527 on reply card, p. 20

Chain Saws, pumps and generators... all powered by this firm's engines. Described in a series of on-job photos in this brochure. Also detailed are concrete vibrators.—Homelite Div., Textron, Inc.

● Circle No. A528 on reply card, p. 20

Power Saws of all types for heavy-duty operations are aptly described in these brochures. Include an all-purpose combination table saw and planer.—Belsaw Machinery Co.

● Circle No. A529 on reply card, p. 20

Fastening System with one-hand convenience plus mechanized speed for fastening into concrete or steel. Illustrated in an eight-page brochure. Facts, photos and instructions about this tool system.—Olin Mathieson Chemical Corp.

● Circle No. A530 on reply card, p. 20

Heavy Duty Electric tools for contractors and industry are illustrated in booklet. Also lists prices for a full line of tools and accessories.—Milwaukee Electric Tool Corp.

● Circle No. A531 on reply card, p. 20

Stapling Machines... hammer and tacker types... are described in a four-page brochure. Illustrations show applications of heavy and light-duty tools.—Bostitch, Inc.

● Circle No. A532 on reply card, p. 20

Power Tools... a complete list including saws, drills, trimmers, scythes, cultivators and routers. Fully illustrated and specified in a 30-page booklet.—The Porter-Cable Machine Co.

● Circle No. A533 on reply card, p. 20

Floor Nailers, for three thicknesses of hardwood, roof sheathing and plywood and hardboard. Fully described in a six-page folder. Photos and complete description.—Powernail Co.

● Circle No. A534 on reply card, p. 20

Electric Hand Tools in a new Lesto

**At last: an asbestos siding  
with the look and feel of wood!**

Gold Bond's new Classic-Shake is without equal in the asbestos siding industry. Its greater thickness and natural texture give it the look and feel of wood shingles, plus added strength and a deeper shadow line. On your homes, Classic-Shake will have the distinctive beauty of the most expensive wood shakes, at a much lower price.

Classic-Shake comes in six new solid colors, all weather-protected by exclusive Plasticrylic Finish: Oxford Gray, Sandstone, Cedar Red, Lemonwood, Cypress Green and Classic White. And Classic-Shake is Permanized to prevent warping and shrinkage.

Plan to use Classic-Shake on the homes you build this year. No matter what price range they're in, Classic-Shake will make them look more expensive. Ask your Gold Bond® salesman for complete information and free samples. Or write Dept. AB-49,

**NATIONAL GYPSUM COMPANY, BUFFALO 13, NEW YORK**



a step ahead of tomorrow



REFLECT-O-RAY is a tough, durable  
Aluminum Pigmented product of

**THE APPLETON COATED PAPER COMPANY**  
APPLETON, WISCONSIN



**Electric Hand Tools** in a new Lesto 16-page catalog. Includes saws, shears, cutters and duty drills. Lists specify watt loads, sawing thicknesses, weights, prices.—Victor J. Krieg, Inc.

● Circle No. A535 on reply card, p. 20  
(Continued on page 186)

# New!

**Home Color  
Styling Service  
for  
Builders  
and  
Contractors**



As part of Certain-teed's dynamic new "Color-Tuned Roofing Systems" program, the services of Beatrice West, nationally known color consultant to the building trade, will be available to Certain-teed's builder and contractor customers . . . at no cost!

Based on a study of all factors involved, Miss West will develop a color-styling plan for each home that includes roofing, siding, trim and accent colors. The service saves time and labor by virtually eliminating all problems relating to color design.

The proper use of color in addition to helping you sell homes will prevent "Development Decadence" years after the last plot is sold. Color will make yours a pleasant community in which to live.

For further information send coupon below.

**Certain-teed<sup>®</sup>**



Superior Products Through Creative Research

"Color-Tuned" Dept. CS  
Certain-teed Products Corp.  
Ardmore, Pennsylvania

Please send information about your Color Styling service by Beatrice West.

Name.....Title.....  
Company.....  
Street.....  
City.....State.....

**CERTAIN-TEED PRODUCTS CORPORATION** • Ardmore, Pennsylvania  
Plants and offices throughout the United States

## CATALOG DIRECTORY

**Precision-Built** electric tools galore shown in easy-to-use loose-leaf binder catalog. Complete with factual data, photos and price lists.—Stanley Electric Tools Co.

● Circle No. A536 on reply card, p. 20

**How to Increase** sawing production 25% is the title of this interesting catalog. Contains cross-section drawings, schematics and specifications on automatic saw filer and grinder.—Foley Manufacturing Co.

● Circle No. A537 on reply card, p. 20

**Electric Tools** are described in this liberally illustrated 68-page booklet. Also shown is a complete line of accessories.—Millers Falls Co.

● Circle No. A538 on reply card, p. 20

**Circular Saws** of all types are described in this revised catalog. Included are photos of each type, along with complete details of its make and capabilities.—Heinemann Saw Corp.

● Circle No. A539 on reply card, p. 20

**Full Line of Hand** and power tools is presented in this data-packed, 16-page booklet. A saw-blade selection chart is included.—The Black & Decker Manufacturing Co.

● Circle No. A540 on reply card, p. 20

**Twist Drills** for wood, metal, masonry are illustrated here. Performance data and prices are included in this new 32-page catalog.—North American-Viking Drill Co.

● Circle No. A541 on reply card, p. 20

**Caulking Gun** has drop-in cartridges for quick, easy loading, is made with rust-proof finish. Literature describes gun along with photos and details uses.—Calbar Paint & Varnish Co.

● Circle No. A542 on reply card, p. 20

**Power Saws, jointers, drills, lathes** and accessories are included in 52-page, fully illustrated catalog. Each explained in detail along with full price list.—Boise-Crane Co.

● Circle No. A543 on reply card, p. 20

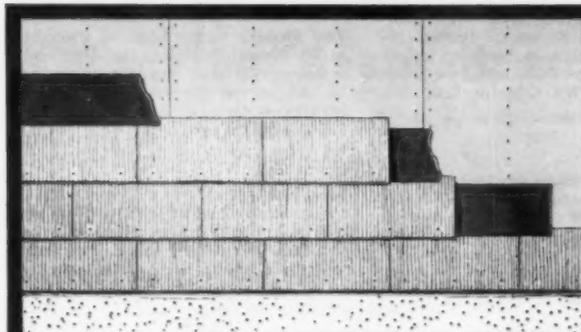
**Tools for All Types** of masonry work are listed here, ranging from hand trowels to power equipment and wheelbarrows. Catalog gives photos, facts, figures.—Goldblatt Tool Co.

● Circle No. A544 on reply card, p. 20

(Continued on page 188)

# BARRETT RIGIDWALL<sup>†</sup> SHEATHING

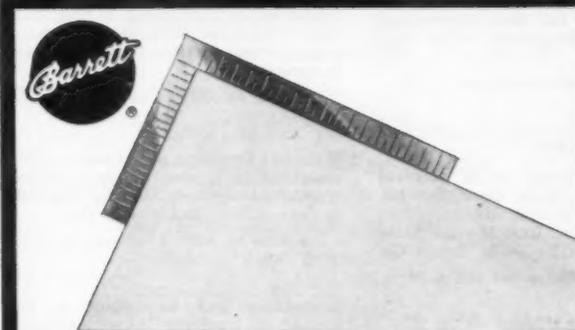
holds nails 47% better than FHA requires for direct nailing!



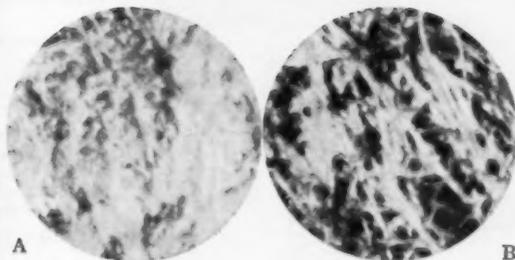
**1** **NAIL SHINGLES TO SHEATHING!**  
Nail siding shingles direct to RIGIDWALL Sheathing. It exceeds FHA requirements by far, and handles as easily, goes up as fast as plywood. Yet RIGIDWALL is generally more economical than plywood and contributes extra insulating value.



**2** **NO CORNER BRACING NEEDED!**  
Racking tests prove that RIGIDWALL is 23% stronger, on the average, than required by FHA for application without corner bracing. Wet strength is 44% above requirements. This extra strength means better workmanship and stronger finished construction.



**3** **MORE UNIFORM...MORE RIGID!**  
RIGIDWALL Sheathing is precision-cut to exact dimensions. Its extra rigidity results in fewer ruined boards from smashed corners and edges. It scores clean...breaks even, thus saving time on every start.



**4** **MADE BY THE CHEM-FI PROCESS!**  
This is the unique Barrett process that brings the fiber strength of natural wood to insulating board. Microphotograph A is ordinary board, with fine powder-like particles throughout. Microphotograph B is Barrett RIGIDWALL, with long reinforcing fibers for extra strength!

The greatest improvement in insulating sheathing since its introduction. For samples and full information, call your Barrett representative or write us direct.

<sup>†</sup> T.M. of Allied Chemical Corp.



ONLY  
RUTLAND  
CAULKING  
COMPOUND  
HAS THE...

NEW  
KLIP-TIP®  
NOZZLE

\*Reg. & Pat. Pend.



Only with Rutland's "KLIP-TIP" nozzle cartridge can you customize the opening to three or more different sizes. Rutland dries to a tough skin, but remains soft and pliable underneath. Also available in Hand Squeeze Tubes, qts.—1, 5 gals.



NEW  
RUTLAND  
JOINT  
CEMENT

Newly formulated for maximum adhesion and strength, Rutland Joint Cement has less shrinkage. It is excellent for each application and sands easily.

over **75** years

**RUTLAND FIRE CLAY COMPANY**  
RUTLAND, VT.  
Makers of Roof Paints, Coatings,  
Cements and Foundation Coatings.

## CATALOG DIRECTORY

### Portable generators, heaters

Portable Power Plants are shown with on-the-job pictures in four-page catalog. Gives details on wattage, voltage and engine-generator characteristics of air-cooled equipment.—D. W. Onan & Sons Inc.

● Circle No. A545 on reply card, p. 20

Portable Generators, types and specifications, listed in an illustrated 12-page catalog. Facts to consider before buying, together with complete price lists.—Pioneer Gen-E-Motor Corp.

● Circle No. A546 on reply card, p. 20

Highlights of Design, engineering and construction features of the Allis-Chalmers G-226 portable generator set. All covered in a new catalog with sketches, engine cutaways and photographs.—Allis-Chalmers.

● Circle No. A547 on reply card, p. 20

Portable Electric Plants with automatic idling controls are illustrated in a brochure. Specifications for generators with capacities from 1,500 to 10,000 watts.—Wincharger Corp.

● Circle No. A548 on reply card, p. 20

Concrete Vibrators and multifeature generators are illustrated and discussed in ten pages of catalog insert folders. Include full slab vibrator and hand models.—Maginniss Power Tool Co.

● Circle No. A549 on reply card, p. 20

### Concrete mixers

Truck Mixers come in 30 different types and sizes. More than 500 separate accessories in line offer unlimited flexibility of uses. In a 16-page illustrated catalog.—The T. L. Smith Co.

● Circle No. A550 on reply card, p. 20

Concrete Mixers covering a complete range are described in this manufacturer's catalog. Mixers range from a small folding unit to a 16-cubic foot machine.—Gilson Brothers Co.

● Circle No. A551 on reply card, p. 20

Mortar Mixers, from 2 to 12 cubic foot capacities, are displayed in a 28-page catalog. Tilting mixers, power trowels and concrete buggies also shown. Specifications included.—Muller Machinery Co., Inc.

● Circle No. A552 on reply card, p. 20

Utility Mixers which can be attached to a rear tractor power takeoff are illustrated in a brochure. Cement mixer has lots of uses on small jobs.—Universal Pulleys Co., Inc.

● Circle No. A553 on reply card, p. 20

### Scaffolding, materials handling equipment

Details on an all-steel temporary service mast are available in the Utility brochure. The mast replaces the 4x4 post for service drops anywhere that ground clearance is needed for power lines.—Utility Service Co.

● Circle No. A554 on reply card, p. 20

The Modern tusky hoist is described in an illustrated brochure. Unit only requires one man for operation; can be set up in 2½ minutes.—Tubular Structures Corp. of America.

● Circle No. A555 on reply card, p. 20

Steel Scaffolding, for all kinds of construction work, goes up to 40 feet and will hold loads up to 50 pounds per sq. foot. Described in a four-page folder.—Safeway Steel Products, Inc.

● Circle No. A556 on reply card, p. 20

Electric-Powered Hydraulic Lifts enable one man to lift 2,000 pounds. Shown in this literature, which includes specifications, a list of accessories and a price list.—Unit Manufacturing Co.

● Circle No. A557 on reply card, p. 20

Portable Hoist is lightweight and easy to assemble. Hoist-Master's all-steel beams can be operated from roof, scaffold or platform. Illustrated in a four-page folder.—Smith's Hoist & Manufacturing Co.

● Circle No. A558 on reply card, p. 20

Materials Handling equipment is fully described as to size, weight load and type of power used. Catalog also lists dealers.—Clark Equipment Co.

● Circle No. A559 on reply card, p. 20

Scaffolding and equipment is described in catalog which includes drawings, sizes, assembly methods. Some typical job photos, test data and safety practices.—Bil-Jax, Inc.

● Circle No. A560 on reply card, p. 20

Tubular Steel Scaffold described with on-the-spot "shots" in an eight-page, two-color brochure. Technical drawings and descriptions of the product, all components and accessories.—Beaver-Advance Corp.

● Circle No. A561 on reply card, p. 20

Scaffolding Systems and shoring are described in a catalog. Light and heavy-duty scaffolding in a full-range of heights are shown.—Waco Manufacturing Co.

● Circle No. A562 on reply card, p. 20

(Continued on page 190)

outstanding performance on the job...

## Glass Fibered LITE-MIX Plaster

another Bestwall exclusive!

No other plaster can match the performance of Bestwall's glass fibered "Lite-Mix." The even distribution of uniform glass fibers gives superior keying on open lath, greatly reduces droppings, does not ball up and gouge the surface.

This outstanding product gives you continued performance too, for "Lite-Mix" fibered plaster assures constant strength, gives longer wall and ceiling life with increased crack resistance.

All three "Lite-Mix" plasters—Fibered, Unfibered and Masonry Mix—are light in weight and premixed with perlite for greater fire resistance and better thermal insulation. Your Bestwall representative has full information on "Lite-Mix," the outstanding plaster line by Bestwall.



YOUR BEST BUY IS

FIREPROOF GYPSUM

**BESTWALL**

BUILDING PRODUCTS

BESTWALL GYPSUM COMPANY • Ardmore • Pennsylvania • Plants and offices throughout the United States

## CATALOG DIRECTORY

Conveyors for light construction. Literature describes in detail every mechanical feature, operating requirements and specifications.—Sam Mulkey Co.

● Circle No. A563 on reply card, p. 20

### Concrete forming equipment

Concrete Forms, form ties, accessories, and other construction specialty prod-

ucts are described and illustrated in a 56-page catalog. Here's a handy reference guide for anyone doing concrete forming.—Universal Form Clamp Co.

● Circle No. A564 on reply card, p. 20

Square, Round or Irregular concrete structures can be made with Atlas compo forms. Attractive catalog gives specifications, "how-to" information

and lists available accessories.—Irvington Form & Tank Corp.

● Circle No. A565 on reply card, p. 20

Various Uses for Efco "Lifetime" steel forms are described in a 12-page catalog. Full details as to size and types. Also listed are district sales offices.—Economy Forms Corp.

● Circle No. A566 on reply card, p. 20



The porch roof is Nova Vista-Lux corrugated Fiberglas® paneling—sold by Nova Sales Co., Homasote's wholly-owned subsidiary

# Sidings...

HORIZONTAL OR VERTICAL

...but always of weatherproof Homasote

Recent surveys show a growing preference by home owners for exteriors with a combination of colors and materials. Prime considerations are appearance, durability and low maintenance—in that order.

With Homasote Beveled Siding and Grooved Vertical Siding, every demand is met. These weatherproof sidings add strength, insulation and sound-deadening to the structure. Optionally, they are supplied with a prime coat front and back. They hold paint far longer than wood. With their high density and  $\frac{3}{8}$ " thickness, they are split-proof, crack-proof, trouble-free.

Beveled Siding, 16" width for 14" exposure; 12" for 10" exposure. In 8' lengths, shipped  $\frac{1}{2}$ " at ends. Luxurious, deep shadow lines. 45° bevel on lower inside edge estab-

lishes a revolutionary, efficient drip cap. With the Beveled Siding Clip, there are no exposed nails.

Grooved Vertical Siding. Beautifully grooved at 8" intervals. Special 3-stage groove lap-joints provide a sturdier edge and assure true-line joining. 16", 32" and 48" widths are used in rotation to minimize expansion and contraction. 8', 10' and 12' lengths.

These two sidings are in every way equivalent to the finest wood sidings. Material, design and method combine for economy of application and long life.

There's always news at Homasote. Check and mail the coupon for detailed literature.



**HOMASOTE**  
COMPANY

Trenton 3, New Jersey  
Homasote of Canada, Ltd.  
224 Merton St., Toronto 12, Ontario

Send me the literature checked below:

- Exterior Finishes     "48" Roofing  
 Dry-Wall             Roof Deckings  
 One-Man Panels     Homasote (72-pg.) Handbook—10¢

Name.....

Address.....

City.....Zone.....State.....D-3

### Late Comers

Laminated Plastics, high-pressure type, are illustrated and described in an 8-page booklet. Application ideas and specifications are included. Farley & Loetscher Mfg. Co.

● Circle No. A567 on reply card, p. 20

Stereo Photographic Services and processes for industrial use are explained in this illustrated booklet. Shows how 3-dimensional photography helps sell industrial products and services. Realist, Inc.

● Circle No. A568 on reply card, p. 20

Steel Buildings are discussed in a 16-page booklet that is illustrated in color. Titled "Armco Steel Building", the booklet describes four types of buildings and three types of special steel coverings. Armco Drainage & Metal Products, Inc.

● Circle No. A569 on reply card, p. 20

Built-in Charcoal Ranges are the subject of an 8-page brochure. It discusses how the new range controls heat and flames with a cooking and exhaust hood. Hasty-Bake.

● Circle No. A570 on reply card, p. 20

Concrete Forms are discussed and illustrated in a 16-page pamphlet. It explains and demonstrates how to install this forming system and includes size and specifications of forms available. Simplex Forms System, Inc.

● Circle No. A571 on reply card, p. 20

Ceramic Floor Tile is discussed briefly in a series of three color-folders. Patterns available and installation instructions are included. Amsterdam Trading Corp.

● Circle No. A572 on reply card, p. 20

Vinyl Wall Covering and upholstery is covered in an 8-page insert. In color, the brochure illustrates and gives specifications and installation procedures. B. F. Goodrich Co.

● Circle No. A573 on reply card, p. 20

(Continued on page 230)



**cedar fans freshness  
into  
home  
design**

*Favorable first impressions* are assured when you combine fresh design with quality merchandise. Certigroove cedar shakes give you the best of both. The deep-etched striations add interest to a wall and mask joints between shakes. Double-coursing with shakes creates bold shadow accents for home exteriors as well as superior insulation in all kinds of weather.

Available in a wide array of colors, applied under controlled factory conditions . . . Certigroove cedar shakes answer your need for an exterior wall material with design versatility, low applied cost and enduring good taste.

**RED CEDAR SHINGLE BUREAU**

5510 White Building, Seattle 1, Wash. • 550 Burrard Street, Vancouver 1, B. C.

For complete application details on Certigroove cedar shakes, see the current Sweet's Catalog . . . or send coupon . . .



Name \_\_\_\_\_  
 Firm \_\_\_\_\_  
 Address \_\_\_\_\_  
 City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_



*bright spot in building cost picture*

As the cost of building materials continues to edge upward, builders can find comfort in the money-saving features offered by the newer materials. The extensive line of Dow Building Products, for example, is all designed, in one way or another, to save money in installation

costs. This may take the form of time saved, elimination of materials ordinarily used, simplified fabrication or less wear and tear on men and machines. In any event, these chemically engineered materials put more value into your construction . . . more profits in your pocket.

## SCORBORD® TAILORS INSULATION TO JOB—BUT FAST!

**Pre-scored insulation proves its ability to cut fitting time as much as 80% in foundation perimeters, cavity walls.**

Dow's specially developed insulation for foundations, perimeter heating ducts and cavity walls is rapidly gaining popularity with builders for two reasons. First, it delivers *permanent* insulating efficiency, even where moisture is a severe problem. Second, its pre-scored, snap-off feature enables workmen to

insulate an entire foundation in minutes.

A brief examination of the material reveals why Scorbord† scores with builders. Each cubic foot of Scorbord contains countless air cells, each independent of the others. This fact, plus the basic low heat conductivity of the material, makes Scorbord an impassable barrier to water and water vapor . . . gives it excellent insulating characteristics. Once installed, Scorbord retains its unusually high insulating efficiency, year after year.

In each big 2' by 8' board of Scorbord there are three clearly marked pre-scored lines, each running the full

length of the board. By a slight pressure of the hand, Scorbord can be snapped off 4", 12" and 21" from one side to form a number of commonly used widths. This feature eliminates measuring and cutting, permits workers to speed the job. Scorbord can be easily cut to fit irregular shapes with ordinary hand tools such as a saw or knife.

An F.H.A. materials release has been issued on Scorbord and it is now readily available from building supply houses throughout the nation. For more information, including a how-to-do-it brochure, write to the address at the bottom of the next page.

†Patent applied for



**SARALOY® 400—fits  
vent stacks like a glove**

At last—one of the fondest wishes of all roofers has been granted! Saraloy 400, an elastic flashing that defies the attacks of weather, can be fabricated right on the job to conform to any contour—or cut to fit any shape. It expands and contracts with other building materials . . . stays serviceable years longer than other flashing materials.

Saraloy 400 can be bonded to all materials commonly used in roof construction, is ideal for protecting vent stacks, chimneys, sumps, fascia and all types of joints. It won't corrode, crack or peel.

**ROOFMATE\*—new insulation and  
moisture barrier in one package**

The most recent innovation in roofing materials, Roofmate combines outstanding resistance to water and water vapor with rugged durability. It forms its own moisture barrier, prevents vapor build-up throughout its long service life, reducing blistering and leaks.

Roofmate is lightweight—easy to handle and install. It is supplied in standard roof sizes . . . unpackaged, and bundled in 38 lb. lots . . . can be easily fabricated with ordinary hand tools. Hot bitumen can be applied directly over Roofmate without a protective covering.

\*Trademark of The Dow Chemical Company



**POLYFILM.** Dow's high quality polyethylene film serves as a moisture barrier, temporary enclosure or tarp. Exclusive dispenser box saves unused film, time and tempers.

**STYROFOAM.** Many builders now construct fully insulated walls with new masonry-insulation-plaster method. Styrofoam makes an excellent plaster base, eliminates both furring and lath.



**WHAT ELSE IS NEW?** One sure way to keep abreast of important new developments in building materials is to keep an eye on the rapidly growing Dow Building Products line. For more information about any of the products discussed here, write to us today. **THE DOW CHEMICAL COMPANY**, Midland, Michigan, Plastics Sales Department 2203D4.

**Build permanently and profitably with  
DOW BUILDING PRODUCTS**

SCORBORD® (Patent applied for) • STYROFOAM® • ROOFMATE®  
SARALOY® 400 • POLYFILM® • LATEX • PELASPAN®

\*Trademark

**THE DOW CHEMICAL COMPANY**  
Midland, Michigan



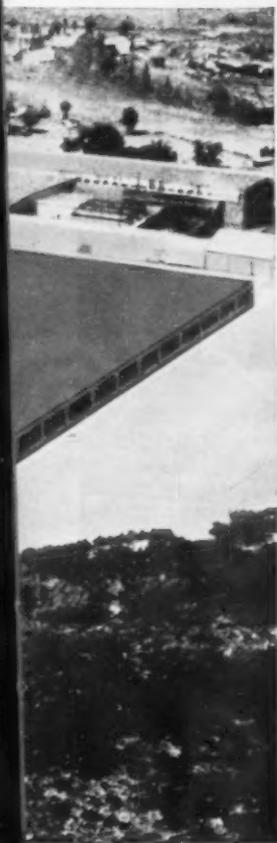
# coming...

profit making **Masonite**



Shown (in color) are the new manufacturing additions to the Masonite plant at Laurel, Mississippi, which include new production lines, a new 26-boxcar loading dock, new research laboratories, new power plant, new office buildings and a revolutionary new raw-materials handling system.

# 1/4 billion feet more building products for you!



MASONITE'S NEW UNIT VII WILL BRING YOU PLENTIFUL SUPPLIES OF SHADOWVENT®, MISTY WALNUT, PANELGROOVE® AND ALL OTHER INTERIOR AND EXTERIOR MASONITE® PANELS THAT HELP YOU BUILD MORE SALEABLE VALUE INTO YOUR HOMES.

Good news for builders! Masonite's huge new Unit VII is nearly completed. With the latest developments in automation, production flexibility and fast straight-line operation, it will help us give you faster service, higher quality and better availability on all Masonite panels. And with our expanded research facilities, we will be able to offer you even more exciting new products to enhance the sales appeal of your new homes. Masonite Corporation, Dept. AB-4, Box 777, Chicago 90, Ill.

MASONITE



CORPORATION

©Masonite Corporation—manufacturer of quality panel products.

# Only **JOHNS-MANVILLE FIBER GLASS** home insulation gives you all these benefits

1.

## **"Reinforced Double-Fold Tabs"**

A new and exclusive feature that permits a tighter vapor seal. Tabs extend around the corner and onto the face of the framing member. When a plaster base (or dry wall) is added, the barrier against moisture travel becomes even tighter. The result is a better vapor barrier, better insulation performance.

2.

## **Longer, finer, more resilient fibers**

They create more dead air space for high thermal insulating efficiency. Fibers won't mat, settle or pack down. The blanket retains its full thickness, fits snugly against studs and joists, greatly reduces the passage of heat, saving heating and cooling dollars.

3.

## **Aluminum foil facing on one side**

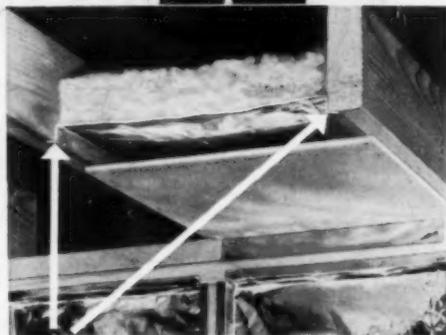
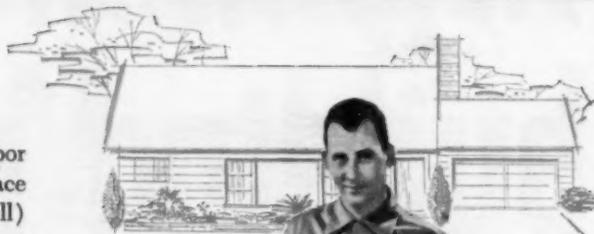
This enables the insulation to "breathe" toward the outside . . . while the facing reflects radiant heat and acts as a vapor barrier. The foil extends into the tab area to provide a continuous vapor barrier.

4.

## **Saves labor cost**

One man can easily handle the lightweight rolls and insulate an average home in a matter of hours. "Reinforced Double-Fold Tabs" have stronger holding power, can be installed faster with greater accuracy. No special tools or skills required. It is pleasant to handle.

For additional information and name of nearest distributor, write: Johns-Manville, Box 111, New York 16, N. Y. In Canada, Port Credit, Ontario.



New, exclusive "Reinforced Double-Fold Tabs"



Double-thick tabs have greater staple holding power

# **JOHNS-MANVILLE**



Ask your J-M representative about the 7-star and Mrs. America promotion to help you sell more homes.

# homes sided with Aluminum by ALSCO SELL FASTER!



Sheath your homes with AlSCO Siding . . . the aluminum building material that's finding new popularity among home buyers. It's a fact! Houses sided with nationally advertised AlSCO attract more buyers — faster.

Good reason, too! It's practical. It's almost indestructible. The two coats of mello-lustre enamel are baked on at the factory. A big part of your labor cost is eliminated immediately. AlSCO can be installed quickly, easily. (If you haven't built with aluminum before, AlSCO will furnish installers . . . or train your men.)

You will receive merchandising and advertising aids. AlSCO siding meets F.H.A. requirements for new construction. More and more lending institutions are evaluating AlSCO-sided homes in the same high loan classification as brick veneer.

Advertised in: BETTER HOMES & GARDENS, AMERICAN HOME, HOUSE & GARDEN, PARENTS MAGAZINE, SUNSET—The Magazine of Western Living and other leading home and family magazines.

 **ALSCO**  
ALUMINUM SIDING

AlSCO also manufactures aluminum primary double hung and slider windows, shutters, vents, fascia material.

**DOLLAR FOR DOLLAR  
YOU CAN BUILD FOR LESS  
with ALSCO ALUMINUM**

*Let us prove it!*



**RUSH!**

**BUILDER'S DIGEST  
of FACTS ABOUT  
ALUMINUM SIDING**

*Short, easy to read in minutes.*



Building Products Division, Dept. S-48  
AlSCO, Inc., 225 S. Forge St.  
Akron 8, Ohio

Builder's Name \_\_\_\_\_

Address \_\_\_\_\_

City \_\_\_\_\_

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

*(Please attach this coupon to your letterhead.)*



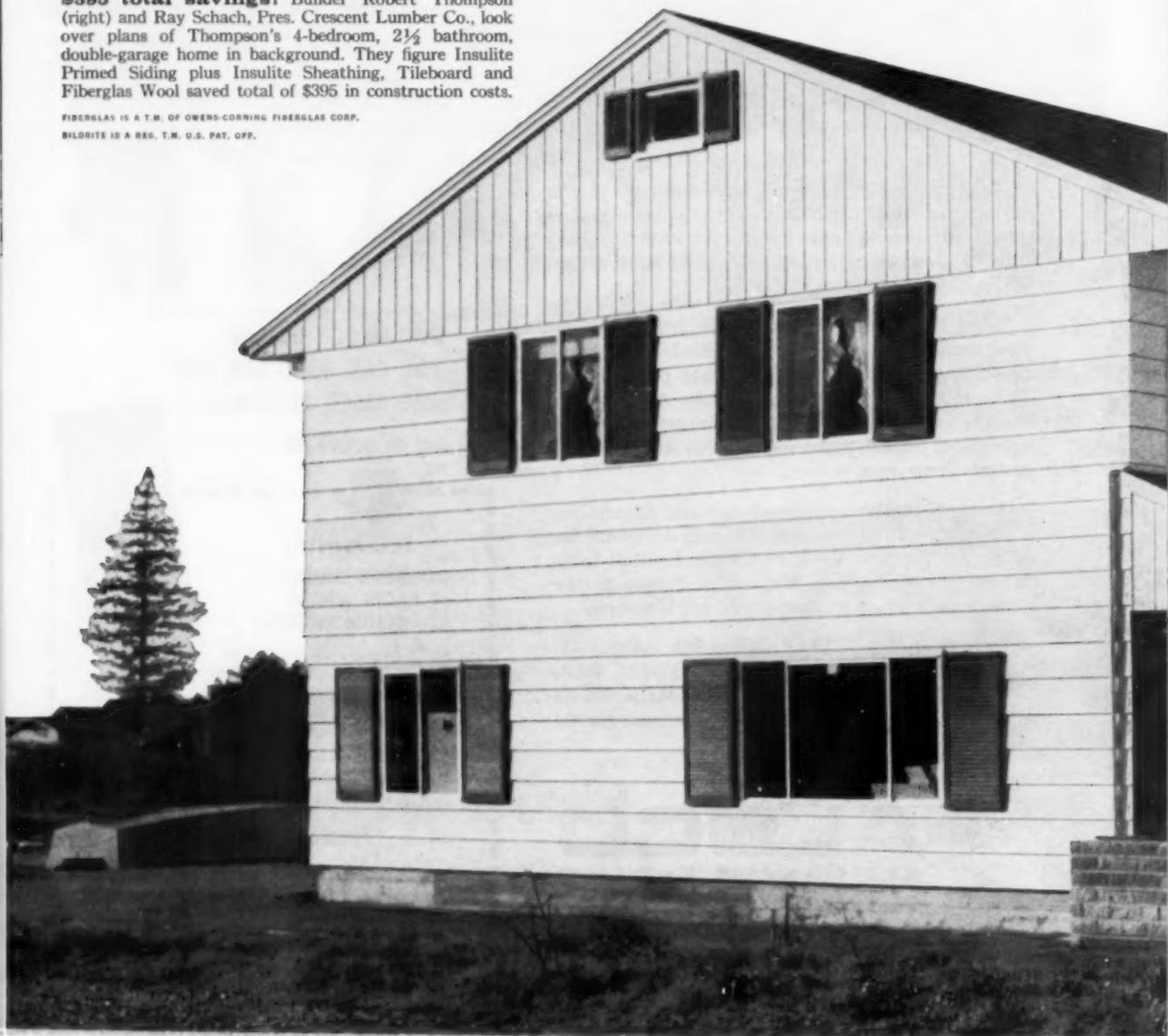
**No knots or split ends!** And 8' or 16' lengths, 12" wide, of Insulite Primed Siding speed work. Mr. Thompson says, "It's beautiful material to work with. Comes clean and perfect. We don't have to spend a minute straightening or sorting pieces."



**Cut sheathing time up to 40%!** Insulite Bildrite Sheathing, used by Mr. Thompson for over six years, goes on up to 40% faster than lumber. It's unusually water resistant. Cuts heating costs down to as much as  $\frac{1}{3}$  lower than average.

**\$395 total savings!** Builder Robert Thompson (right) and Ray Schach, Pres. Crescent Lumber Co., look over plans of Thompson's 4-bedroom, 2½ bathroom, double-garage home in background. They figure Insulite Primed Siding plus Insulite Sheathing, Tileboard and Fiberglas Wool saved total of \$395 in construction costs.

FIBERGLAS IS A T.M. OF OWENS-CORNING FIBERGLAS CORP.  
BILDRITE IS A REG. T.M. U.S. PAT. OFF.



## Insulite Primed Siding shrugs off 70 mph gale, saves builder \$50 per M on trial job!

If you wanted to put Insulite Primed Siding to the most severe test possible, you couldn't do much better than Robert Thompson, Crescent City, Cal., builder with 44 years' experience.

Mr. Thompson tried out vertical grooved and horizontal length Insulite Primed Siding on a home that's perched on top of a 50-ft. bluff—a mere 400 ft. from the Pacific Ocean. It's buffeted by wind and rains. Exposed constantly to salt air and sun.

The siding Mr. Thompson previously used in this area used to stain and cause paint failures. But a

short time ago, winds blasted the Insulite Primed Siding on Mr. Thompson's new house at speeds up to 70 mph. Rain was driven *horizontally* against the sidewalls. Yet the home showed no leaks and not a single trace of staining or blistering. Although Mr. Thompson's men had never applied Insulite Primed Siding before, it went on so fast he still saved \$50 per M sq. ft. compared to  $\frac{3}{4}$ " siding.

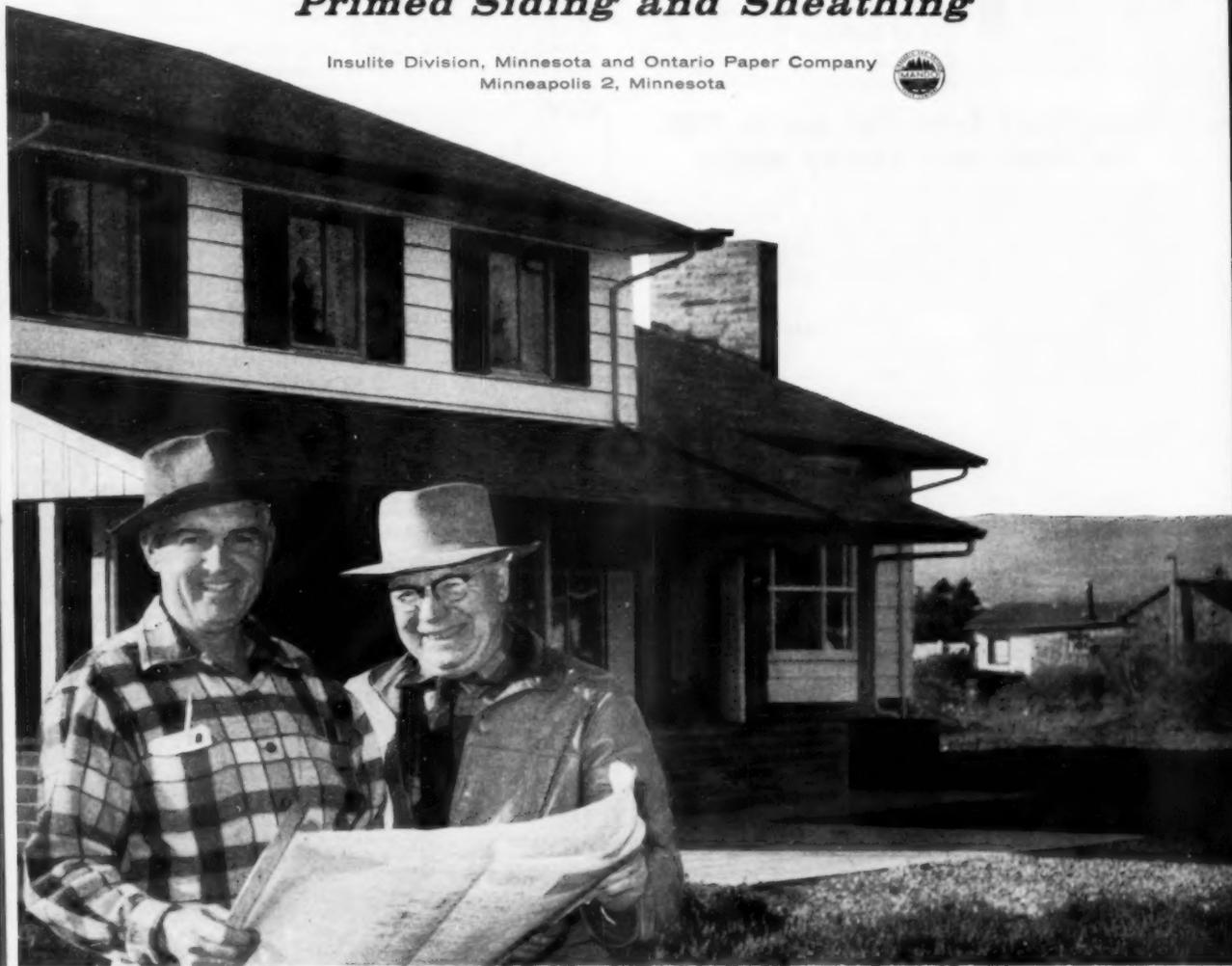
If you're interested in lower costs and fewer problems, get facts on Insulite Primed Siding from your dealer. Or, write Insulite, Minneapolis 2, Minn.

*build better, save labor, with*

# **INSULITE®**

***Primed Siding and Sheathing***

Insulite Division, Minnesota and Ontario Paper Company  
Minneapolis 2, Minnesota



# ZONOLITE<sup>®</sup>

Announces  
**A NEW KIND OF  
INSULATION**

**FOR MASONRY WALLS!**



HERE'S PROOF! Simple test reveals how new Zonolite repels water penetration.

*Actually  
SHEDS WATER*

Revolutionary new and completely different, Zonolite Masonry Fill Insulation brings you the faster, easier, lower-cost way to insulate concrete block, tile, and cavity walls. A triumph of laboratory and technical research, it is processed under U.S. Patent 2,824,022 to stop water penetration like no other insulation can. Now puts an end to the bug-a-boo of moisture problems in all types of block and cavity wall construction.

**Cuts Heat Transfer up to 50%  
in block and cavity walls**



Filling blocks or cavities is easy. Sometimes, a simple hopper is used to facilitate installation.

Walls filled with this new material have up to twice the insulating value. Greater comfort results; fuel bills are reduced; air conditioning costs cut—*substantially*.

### *Saves Time, Money*

Easily installed. Flows freely into cores and cavities around reinforcing and other obstructions. No fitting, cutting, measuring. Beats other installation costs by as much as 60%.

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Zonolite Masonry Fill is the perfect insulation for concrete block, tile or cavity wall construction.

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Please send me complete information file (G-158) on Zonolite Masonry Fill Insulation.

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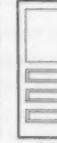
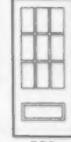
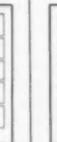
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STREET \_\_\_\_\_  
ADDRESS \_\_\_\_\_

# DOORS & WINDOWS

## Exterior Wood Door Standards

 110	 500	 513	 514	 515	 574	 575	 578	 600	 605	 606	 607
 501	 502	 516	 517	 519	 580	 590	 591	 608	 609	 612	 613
 506	 507	 536	 537	 538	 592	 593	 594	 635 1 3/4" 2'-8" and 3'-0" and 3'-4" x 6'-8" and 7'-0" 1 3/4" and 1 3/4" 2'-8" and 3'-0" x 6'-8" and 7'-0" 1 3/4" 3'-0" x 7'-6" and 7'-8" 3'-4" and 3'-6" x 6'-8"; 7'-0"; 7'-6" and 8'-0"			
 508	 509	 539	 542	 549	1 3/4" and 1 3/4" 2'-8" and 3'-0" x 6'-8" and 7'-0"						
 510	 512	 559	 560	 561	<b>PLAIN, FLUSH and FLUSH "V" GROOVED</b> 1 3/4" x 3'-0" and 3'-4" x 6'-8" and 7'-0" If desired, light openings may be cut in these doors to suit wishes of purchaser.						
 596	 597	 562	 563	 567							
 598	 644	 569	 570	 571	 620	 630	 637	 638	 640	 641	 642
1 3/4" and 1 3/4" 2'-8" and 3'-0" x 6'-8" and 7'-0" 1 3/4" only 3'-4" x 6'-8" and 7'-0"					<b>EXTERIOR or INTERIOR RIM, HORIZONTAL LIGHT, FRENCH or CASEMENT DOORS</b> 1 3/4" and 1 3/4" 2'-0"; 2'-4"; 2'-6" x 6'-6"; 6'-8"; 7'-0" 2'-8" and 3'-0" x 6'-8" and 7'-0" 1 3/4" and 1 3/4" 2'-8" and 3'-0" x 6'-8" and 7'-0" 1 3/4" only 3'-4" x 6'-8" and 7'-0"						
1 3/4" and 1 3/4" 2'-6"; 2'-8" and 3'-0" x 6'-6"; 6'-8" and 7'-0"					<b>COMBINATION DOORS</b> 1 1/2" 2'-6" x 6'-7" 2'-6" and 2'-8" x 6'-9" and 7'-1" 2'-10" x 6'-11"; 2'-10" and 3'-0" x 6'-9" and 7'-1"						

### NOMENCLATURE AND DEFINITIONS

The various terms used in this standard are defined below.

**Bar**—A bar extends the extreme width or length of the glass opening and may be either vertical or horizontal between glass.

**Coped construction**—The ends of rails, mullions, or bars to shaped that they will cover and fit the contour of the sticking.

**Core**—The innermost layer in veneered-door construction.

**Crossbanding**—The veneer that may be used in the construction of flush doors, which is placed between the core and face veneers with the direction of the grain at right angles to that of the face veneer.

**Door, flush**—Made up of core, crossbanding, and face veneers, or of core and face veneers only.

**Door, panel**—Made up of stiles, rails, and one or more panels; the stiles and rails forming the frame around the panel.

**Door, sash**—Same as panel door, except that one or more panels are replaced by glass.

**Kiln-dried**—Dried in a closed chamber in which the removal of moisture is controlled by artificial heat and usually by relative humidity.

**Mullion**—An upright, or vertical, member between panels.

**Muntin**—Any short bar, either vertical or horizontal, between glass, and not extending the extreme width or length of the glass opening.

**Panel, plywood**—A panel made up of core and face veneer.

**Pitch seam**—An opening or imperfection, parallel to the grain, which is filled with pitch.

**Rails**—The cross, or horizontal, pieces of the framework of a door.

**Rail, bottom**—The bottom cross, or horizontal, piece of a door.

**Rail, lock**—The wide cross, or horizontal, rail of a door at lock height.

**Rail, top**—The top cross, or horizontal piece of a door.

**Sticking**—A mold which is worked on the edges of stiles, rails, mullions, muntins, or bars, adjacent to panels or glass.

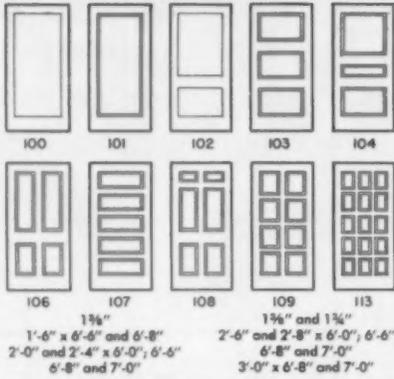
**Stiles**—The upright, or vertical, outside pieces of a door.

**Veneered door**—Made up of core and face veneers (may include crossbanding in flush doors).

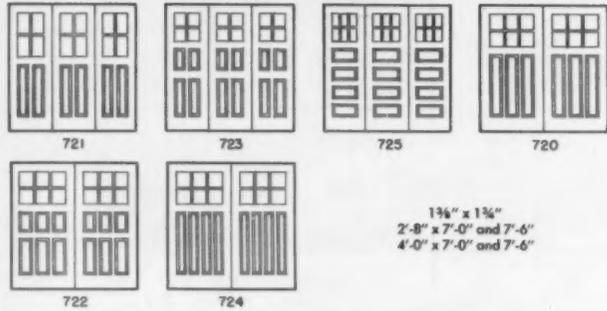
# DOORS & WINDOWS

## Interior, Garage, and Sliding Doors

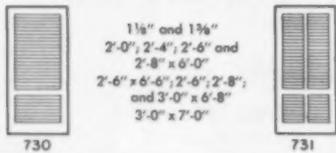
### PANEL DOORS



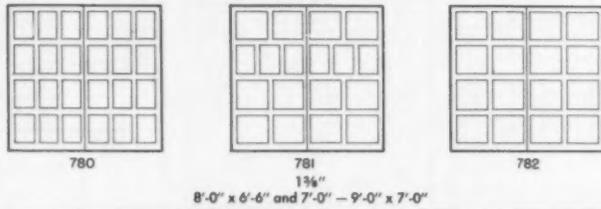
### HINGE GARAGE DOORS



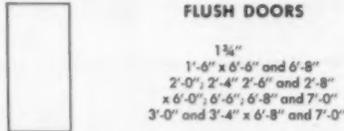
### BLIND OR SUMMER DOORS



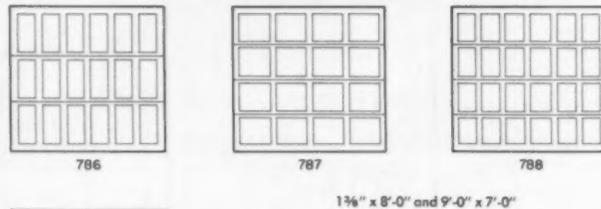
### SWINGUP GARAGE DOORS



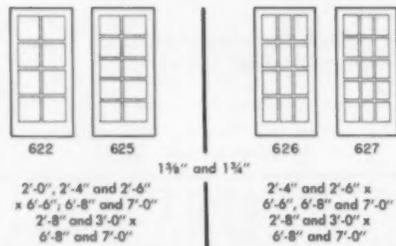
### FLUSH DOORS



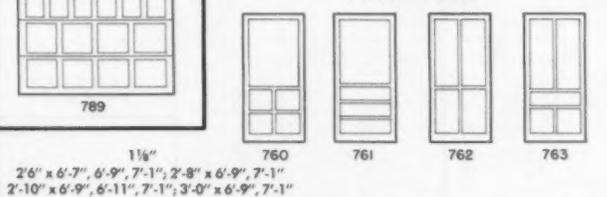
### ROLLUP GARAGE DOORS



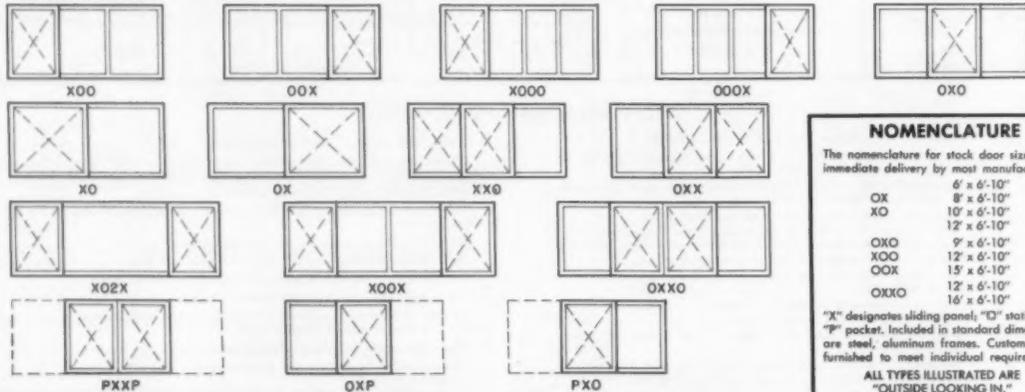
### FRENCH OR CASEMENT DOORS



### SCREEN DOORS



### SLIDING DOORS



### NOMENCLATURE

The nomenclature for stock door sizes with immediate delivery by most manufacturers.

OX	6' x 6'-10"
XO	8' x 6'-10"
XO	10' x 6'-10"
XO	12' x 6'-10"
OXX	9' x 6'-10"
XOO	12' x 6'-10"
OOX	15' x 6'-10"
OXXO	12' x 6'-10"
OXXO	16' x 6'-10"

"X" designates sliding panel; "O" stationary; "P" pocket. Included in standard dimensions are steel, aluminum frames. Custom doors furnished to meet individual requirements.

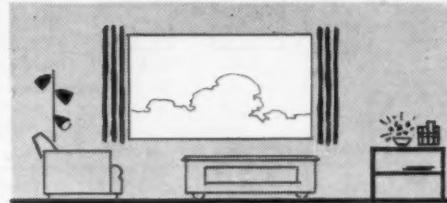
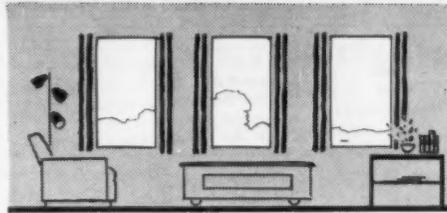
ALL TYPES ILLUSTRATED ARE "OUTSIDE LOOKING IN."

# DOORS & WINDOWS

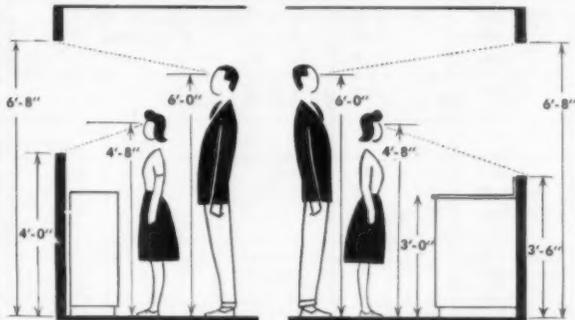
## Window Planning Principles



Windows in more than one wall give more effective light distribution throughout the room. Strip or clerestory windows furnish light and ventilation with maximum privacy.

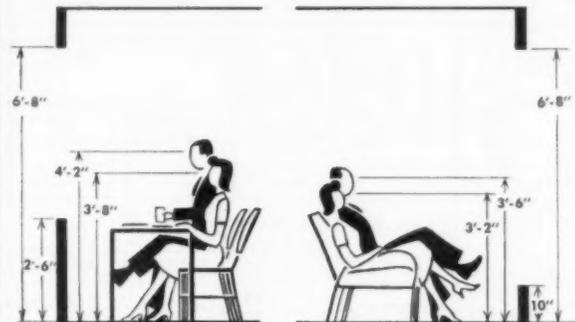


↑ One large opening is more desirable than several small windows. Not only does the former provide a better distribution of light but dark areas between smaller openings are eliminated as well as undesirable contrasts in brightness.



Bedroom

Kitchen



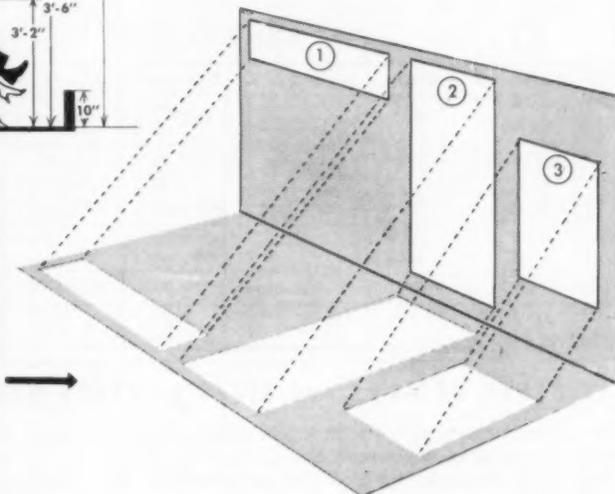
Dining Room

Living Room

Window shapes may be selected to give any desired distribution of light within the room. This diagram shows graphically how the sun's rays entering a room at a 45° angle give various patterns of light depending upon the shape of the opening. The closer the head of the window is to the ceiling, the greater the depth of penetration, as shown in openings 1 and 2. Opening 3, placed lower in the wall creates a much shorter light pattern. Strip windows, opening 1 are desirable where it is preferable to have the area beneath in shadow such as a bedroom. This diagram also illustrates why it is desirable to use windows in more than one wall for better distribution of daylight.

Consideration should be given in the placing of windows so that sills and horizontal muntins or rails do not interfere with vision either seated or standing. The sketches show the eye-level range for persons sitting and standing. Avoid horizontal window divisions within these levels. Dimensions are based on persons from 5'-0" to 6'-4" tall as well as the usual window head and sill heights as determined by furniture.

Courtesy: Small Homes Council, University of Illinois

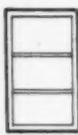
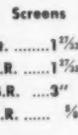


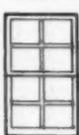


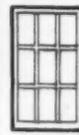
# DOORS & WINDOWS

## Wood Window Standards

### POPULAR SIZES AND DESIGNS

CASEMENT SASH 1 3/8"						STORM SASH and SCREENS 1 1/8"	
Profit Face Measurements	Stiles ..... 1 3/8"	Top Rail ..... 1 3/8"	Muntin ..... 3/8"	Bottom Rail ..... 3"	Vertical Bar ..... 3/8"	Profit Face Measurements	
Sash are made 1/8" narrower and 1/8" shorter than opening sizes given below.							
	1 Lt.	3 Lt. H.	4 Lt. H.	6 Lt. 2 W.	8 Lt. 2 W.	Storm Sash or Screens	
	1-3 1/2 x 3-2 3-10 4-6	12x33 41 49	12x10 3/8 13 1/2	12x10 3/8 12 3/8	5 3/8 x 10 3/8 13 1/2	5 3/8 x 10 3/8 12 3/8	Storm Sash and Screens are available for all Standard Windows. The more popular sizes conform to the window sizes shown on the preceding page. Storm Sash and Screens are made 1/8" narrower and 1" longer than window opening sizes.
1-7 1/2 x 3-2 3-10 4-6	16x33 41 49	16x10 3/8 13 1/2	16x10 3/8 12 3/8	7 3/8 x 10 3/8 13 1/2	7 3/8 x 10 3/8 12 3/8		

CELLAR SASH 1 1/8" and 1 3/8"						PLAIN RAIL WINDOWS 1 1/8"										
Profit Face Measurements	St. .... 1 3/8"	T.R. .... 1 3/8"	B.R. .... 1 3/8"	V.B. .... 3/8"	Profit Face Measurements	St. .... 1 3/8"	T.R. .... 2 3/8"	M.R. .... 1 3/8"	V.B. .... 3/8"	Mun. .... 3/8"	Profit Face Measurements	St. .... 1 3/8"	T.R. .... 2 3/8"	M.R. .... 1 3/8"	V.B. .... 3/8"	Mun. .... 3/8"
Sash are made 1/8" narrower and 1/8" shorter than opening sizes given below.		Sash are made 1/8" narrower and 1/8" shorter than opening sizes given below.			Sash are made 1/8" narrower and 1/8" shorter than opening sizes given below.		Windows are made 1/8" narrower and 1/8" shorter than opening sizes shown below.					Windows are made 1/8" narrower and 1/8" shorter than opening sizes shown below.				
	2 Lt.			3 Lt.		4 Lt.					8 Lt.					12 Lt.
	2-0x1-4 2-4x1-4 1-8			10x12 12x12 16		2-4x1-4 2-8x1-0 1-4					8 x12 9 1/2 x 8 12					3-8x1-4 1-8 4-4x1-4
2-0 ..... .....	20 ..... .....	1-8 3-0x1-4 1-8	16 10 3/8 x 12 16	1-8 ..... .....	16 ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....

BARN or UTILITY SASH 1 1/8" and 1 3/8"									
Profit Face Measurements—Stiles ..... 1 3/8" Top Rail ..... 1 3/8" Bottom Rail ..... 3" *Vertical Bar ..... 3/8" or 1/2" Muntin ..... 3/8"									
Sash are made 1/8" narrower and 1/8" shorter than opening sizes given below.		Sash are made 1/8" narrower and 1/8" shorter than opening sizes given below.		Sash are made 1/8" narrower and 1/8" shorter than opening sizes given below.		Sash are made 1/8" narrower and 1/8" shorter than opening sizes given below.		Sash are made 1/8" narrower and 1/8" shorter than opening sizes given below.	
	4 Lt.		6 Lt. 2 W.		6 Lt. 3 W.		9 Lt. 3 W.		12 Lt. 3 W.
	1-8x2-1 2-5 2-0x2-1		8x10 10x12 10x10		1-8x2-11 1/4 2-0x3-5 1/4 .....		8x10 10x12 .....		2-1x1-11 2-4x2-1 2-5
2-5 2-9 3-1	12 14 16	..... ..... .....	..... ..... .....	2-7x2-5 2-9 2-10x2-5	9x12 14 10x12	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....
2-4x2-5 2-9 3-1	12x12 14 16	..... ..... .....	..... ..... .....	3-4x2-5 ..... .....	12x12 ..... .....	..... ..... .....	..... ..... .....	..... ..... .....	..... ..... .....

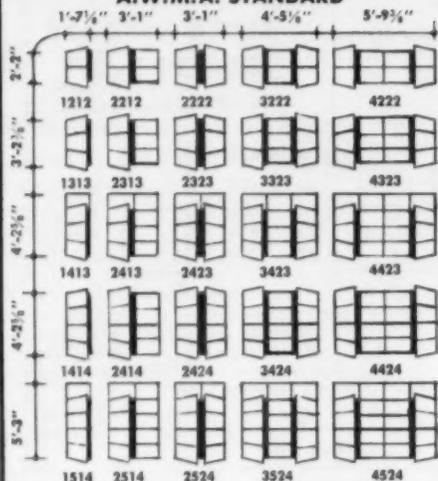
\*Vertical bar 3/8" for Sash 2 lights wide; 1/2" for Sash 3 lights wide.

Courtesy National Wood Work Manufacturers Association

# DOORS & WINDOWS

## Aluminum Window Standards (Residential)

### A.W.M.A. STANDARD



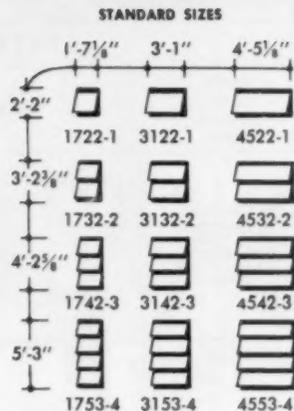
**C-A1 CASEMENT WINDOWS**  
for residential-type buildings.

Units with single ventilator may be hinged either right or left.

Fixed types furnished for all sizes shown.

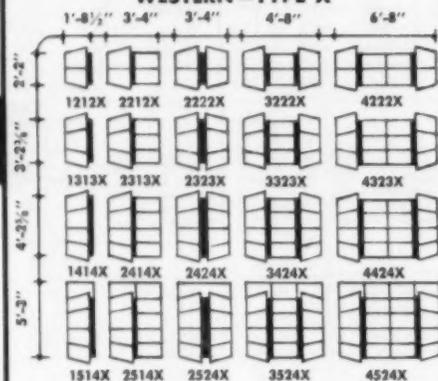


**A-A1 AWNING WINDOWS**  
for residential-type buildings.



window dimensions

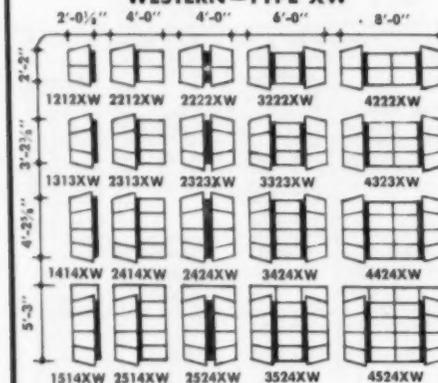
### WESTERN-TYPE X



### PICTURE OF PANORAMA WINDOWS

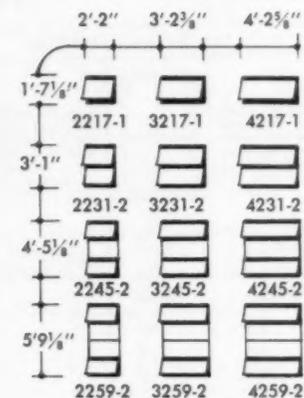
Most manufacturers of aluminum double-hung, casement, projected and awning windows offer picture or panorama windows in heights and widths that complement their standard sizes. These windows accommodate either 1/4" plate glass or 1" double glass of the "Thermopane" or "Twindow" type. See manufacturers' catalogs for available sizes.

### WESTERN-TYPE XW



Dimensions shown are window dimensions.

**P-A1 PROJECTED WINDOWS**  
for residential-type buildings



Dimensions shown are window dimensions

Courtesy Aluminum Window Manufacturers of America

# DOORS & WINDOWS

## Steel Window Standards (Residential)

### STEEL CASEMENTS

	1'-7 <sup>1</sup> / <sub>8</sub> "	3'-1"	3'-1"	4'-5 <sup>1</sup> / <sub>8</sub> "	5'-9 <sup>3</sup> / <sub>8</sub> "	7'-7 <sup>1</sup> / <sub>2</sub> "
2'-2"						
	1212	2222	2212	3222	4222	5222
3'-2 <sup>3</sup> / <sub>8</sub> "						
	1313	2323	2313	3323	4323	5323
4'-2 <sup>5</sup> / <sub>8</sub> "						
	1414	2424	2414	3424	4424	5424
5'-3"						
	1514	2524	2514	3524	4524	5524

Bullseye: 2'2" Dia. 3311

Dimensions shown are over-all out-to-out measurements. Units with single ventilator may swing from right or left jamb. All units are warehouse types and sizes. Fixed types furnished for all above sizes.

3'-2 <sup>3</sup> / <sub>8</sub> "		
	PW33	PW43
4'-2 <sup>5</sup> / <sub>8</sub> "		
	PW34 DG34	PW44 DG44
5'-3"		
	PW35 DG35	PW45 DG45

"PW"—Picture windows—for single pane glazing—standard frame member construction.

"DG"—Double glazing—for 1" thick, double insulating glass, stock sizes—special section frame construction.

### BASEMENT WINDOWS

UTILITY WINDOW	14 <sup>5</sup> / <sub>8</sub> "	
	32 <sup>3</sup> / <sub>8</sub> "	2LT 15"x12"
	18 <sup>3</sup> / <sub>4</sub> "	
	22 <sup>3</sup> / <sub>8</sub> "	2LT 15"x16"
WAREHOUSE UNIT		
		2LT 15"x20"

All units shown are warehouse types and sizes.

### DOUBLE-HUNG WINDOWS

	2'0"	2'4"	2'8"	3'0"	3'4"		2'0"	2'4"	2'8"	3'0"	3'4"	
3'-1 <sup>1</sup> / <sub>2</sub> "												
	B2031	B2431	B2831	B3031	B3431		E2031	E2431	E2831	E3031	E3431	
3'-9 <sup>1</sup> / <sub>2</sub> "												
	B2039	B2439	B2839	B3039	B3439		E2039	E2439	E2839	E3039	E3439	
4'-5 <sup>1</sup> / <sub>2</sub> "												
	B2045	B2445	B2845	B3045	B3445	B3845	E2045	E2445	E2845	E3045	E3445	E3845
5'-1 <sup>1</sup> / <sub>2</sub> "												
	B2051	B2451	B2851	B3051	B3451	B3851	E2051	E2451	E2851	E3051	E3451	E3851
"B" TYPES							"E" TYPES					
			5'-9 <sup>1</sup> / <sub>2</sub> "						5'-9 <sup>1</sup> / <sub>2</sub> "			
DIMENSIONS SHOWN ARE WINDOW DIMENSIONS.			B3059	B3459	B3859		DIMENSIONS SHOWN ARE WINDOW DIMENSIONS.		E3059	E3459	E3859	

### FIXED PANELS

4'-5 <sup>1</sup> / <sub>2</sub> "				5'-1 <sup>1</sup> / <sub>2</sub> "				5'-9 <sup>1</sup> / <sub>2</sub> "			
	F3445	F4045	F4845		F3451	F4051	F4851		F3459	F4059	F4859

Courtesy of the Steel Window Institute

10



# For more SEE-able features... Quality Building Products



Packaged sets for doors

## M-D Numetal WEATHER STRIP

Packaged sets for doors. In stainless steel or bronze. Complete packaged units mean easier handling for you . . . easier installation for customers. M-D Numetal door sets available with regular door bottoms or with any M-D threshold.



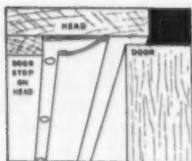
## M-D Jamb-Up

### DOOR WEATHER STRIP Extruded Aluminum & Durable Vinyl

Perfect for wood or metal doors. Made of sturdy, extruded aluminum and tough, durable vinyl. Comes completely packaged with necessary strip, nails, screws and instructions. Available with or without extruded aluminum and vinyl DV-1 Door Bottom.



## M-D H-4 FOLD-BACK DOOR WEATHER STRIP



Automatically spaces itself when properly placed against door stop. A smoothly-operating, economical packaged set for all standard doors. Aluminum or bronze—with any door bottom or threshold desired. Nails, screws and instructions furnished in each set.



## M-D Nu-GARD AUTOMATIC DOOR BOTTOMS

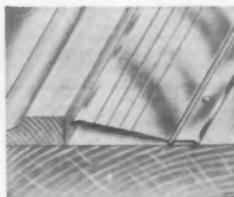
For ALL doors. With silvery-satin or Albras finish—will not rust or tarnish. Furnished in standard lengths—28", 32", 36", 42" and 48".



Up automatically to clear carpet easily when door opens.



Down snugly against floor to seal out drafts when door closes.



## M-D On-GARD COIL WEATHER STRIP

All-metal weather strip in handy rolls. 8 widths in either stainless steel or bronze. Features built-in tension, embossed nail zone and hum-proof edgel.

## M-D Nu-WAY WEATHER STRIP

The "original" coil metal and wool felt weather strip. Fast-selling because it's so easy to put on. Each individual package contains one 18 ft. roll with nails and instructions. Packed 12 cartons in free display.



## M-D CASEMENT WINDOW WEATHER STRIP

Easy to install on steel or aluminum casements. Slips over window flange. Style No. 1 is used on head and lock side or swinging edge of metal casement windows. Style No. 2 is used on hinge side and the sill.



Style No. 1

Style No. 2

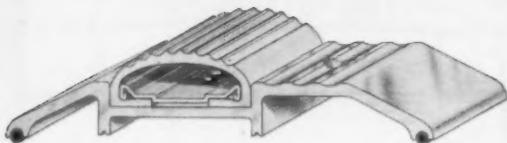


**BUILDERS** Sold by Leading Hardware, Lumber and Building Supply Dealers.

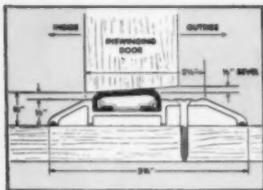
**DEALERS** ORDER TODAY your order will receive prompt shipment.

For more *SELL-able* features...

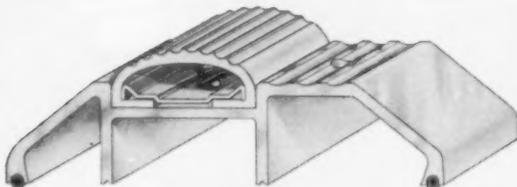
# for Doors and Windows



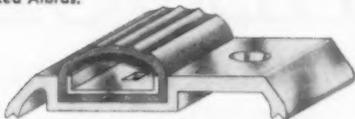
## M-D EXTRUDED THRESHOLDS



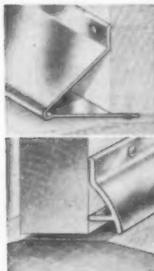
**AP-3 3/4** —America's most popular threshold with replaceable vinyl insert. Note vinyl calking strips under each leg, which may be removed if the use of Nu-Calk Calking Compound is preferred. Available in Alacrome or Anodized Albras.



**AP-118**—(above) Designed especially for thick pile rugs. Has vinyl calking under legs, as well as replaceable vinyl insert. Available in Alacrome or Anodized Albras.



**AP-158**—Threshold of sturdy, extruded aluminum with replaceable vinyl insert. Can be used on bottom of door or on top of wood threshold. Available in Alacrome or Anodized Albras.



## M-D DRIP CAPS

Prevents rain from draining or blowing under door or wood casement windows.

**A** Available in DCA Aluminum or DCA Albras. Holes punched, nails furnished—comes in any length.

**B** New, heavy duty extruded aluminum drip cap. Packed in individual poly tube. Available in natural Alacrome and in 3 permanent Anodized finishes. Standard lengths 32", 36", 42" and 48".



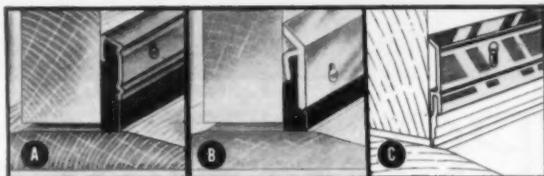
## M-D CALKING COMPOUND

### Nu-CALK Speed Loads

World's finest calking compound available in loads, with or without nozzle . . . hand squeeze tubes . . . or 1/2 pt., pt., qt., and gal. cans. Also 5-gal. and 55-gal. drums, gun or knife grade.

## M-D Nu-Glaze GLAZING COMPOUND

Always sets to rubber-like consistency. Clean, easy to handle. Use and recommend with complete confidence that it always "stays put." Packed in 1/2 pt., pt., and qt. cans, 25 lb., 50 lb., 100 lb. and 880 lb. drums.



## M-D DOOR BOTTOMS

**A** M-D Numetal Door Bottom made of extra thick wool felt and heavy gauge stainless steel, brass or aluminum. Standard lengths—28", 30", 32", 36", 42" and 48".

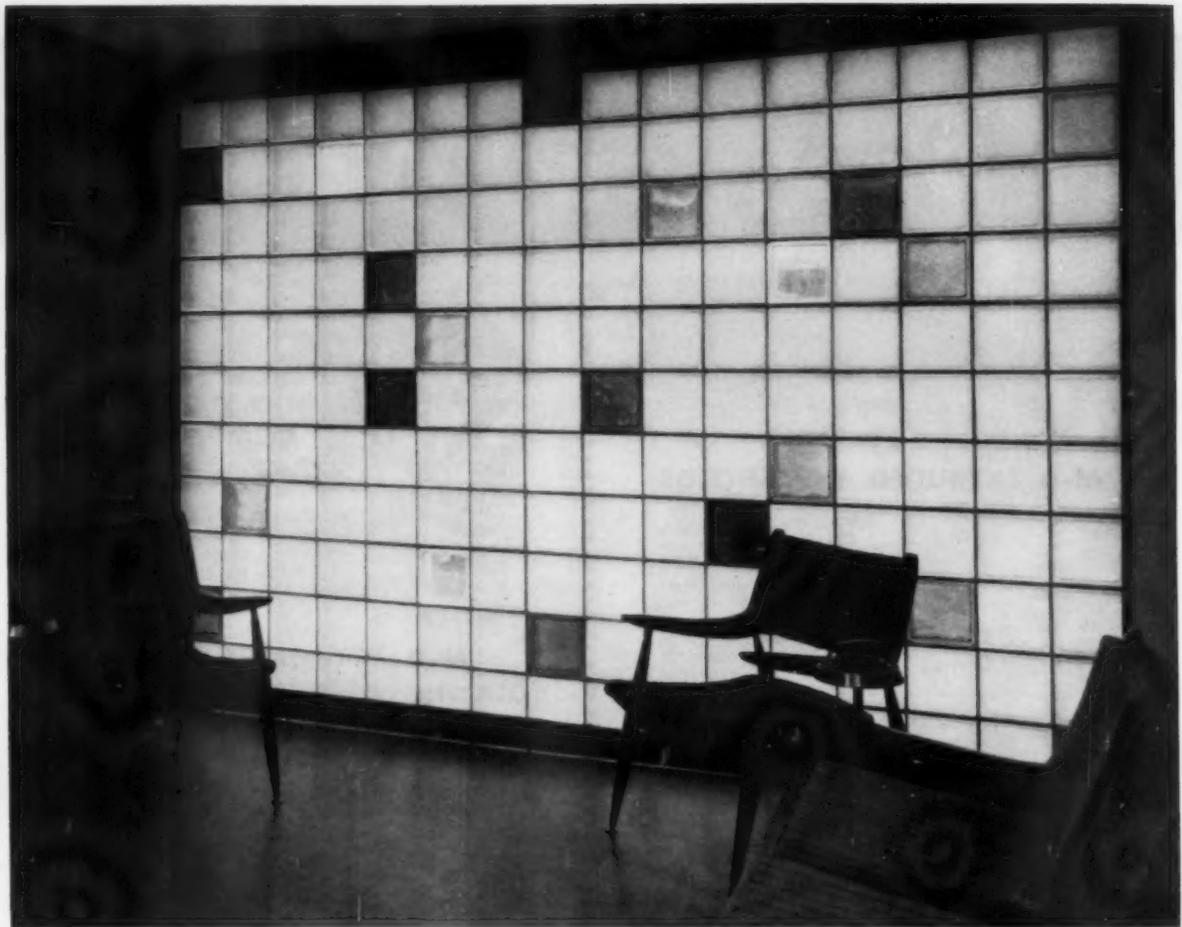
**B** M-D heavy duty extruded aluminum and felt door bottom in Alacrome or Anodized satin, bright or brass colors, in all standard lengths.

**C** M-D extruded aluminum and vinyl door bottom—in natural Alacrome or Anodized Albras finish—in all standard lengths.



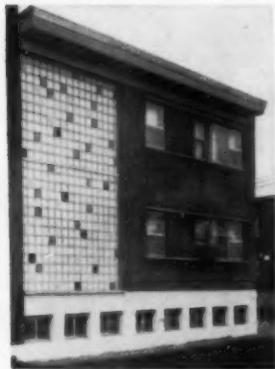
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*When your clients ask for "something different"*



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P I T T S B U R G H **PC** C O R N I N G

THESE QUALIFIED R-O-W WINDOW MANUFACTURERS  
*Are Located to Serve you Better*

The best millwork houses in the country are franchised to manufacture R-O-W Windows. They are strategically located to give you faster delivery, more careful handling, better quality, better value and greater styling variety with windows designed expressly for *your* market.

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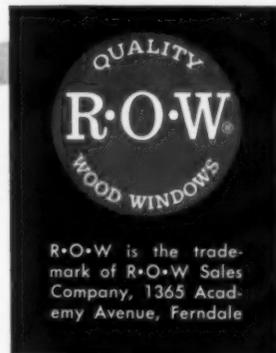
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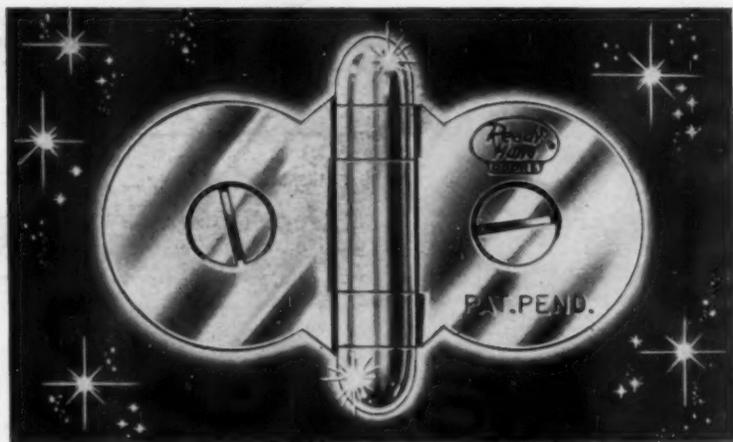
# Builders: The revolutionary "Magic Circle" Hinge makes all other hinges obsolete...and only Ready Hung Doors have it!

*2-1/2 times stronger than  
ordinary hinges*

*Positive automatic  
self-alignment*

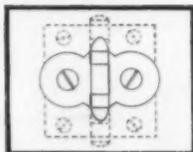
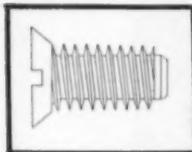
*Non-rising Missile tip  
hinge pin*

*Beautifully styled—  
luxury finishes*



Ready Hung Doors have done it again — the first new hinge idea in 200 years. The amazing "Magic Circle" Hinge gives Ready Hung Doors a quality exclusive no other door can match . . . and at no extra cost.

**2½ TIMES STRONGER.** The single, large diameter screw, with its exclusive deep thread design, gives "Magic Circle" holding power 2½ times greater than the ordinary 3 screw rectangular hinge.



**POSITIVE SELF ALIGNMENT.** The "Magic Circle" single centered screw assures automatic hinge alignment — simply by closing the door. Prevents binding — stress on screws and hinge pins — assures *permanently* smooth, quiet operation.

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"Magic Circle" Hinges have successfully performed for the equivalent of 70 years of residential service in exhaustive laboratory tests.

**BEAUTIFULLY STYLED NON-RISING HINGE PINS** with missile tips, add charm and sales appeal to any home — are removable, yet "Magic Circle" has a special locking feature which prevents them from working loose.

**EXCLUSIVE ON READY HUNG DOORS.** Now Precision Engineered Ready Hung Doors come equipped with this exclusive "Magic Circle" plus. Door, with frame trimmed on both sides and hardware installed, comes completely assembled in one package—is easily installed in less than 20 minutes. Nothing to do but drive nails. Adjustable jambs adapt to any wall from 4¾" to 5½". Units for other thicknesses available.

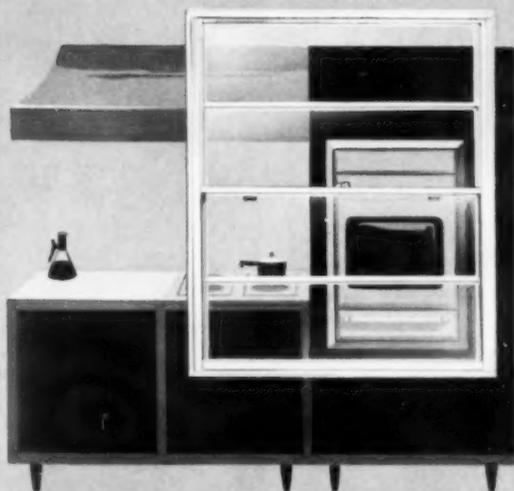
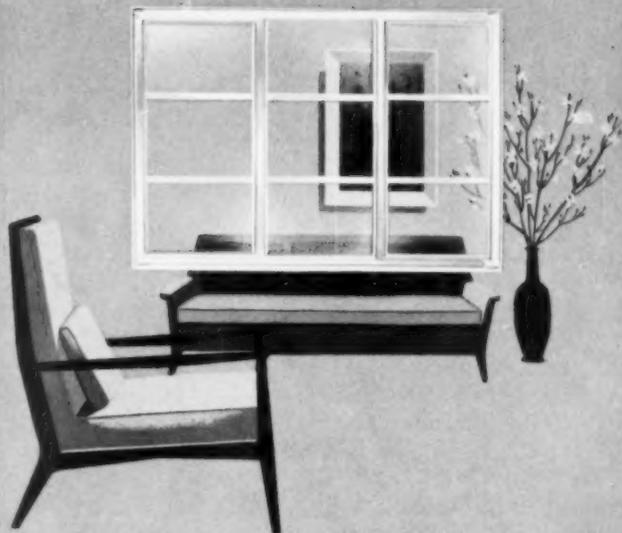
No other door unit . . . nor on-the-job construction can match the beauty, efficiency, and money saving features of Ready Hung Doors, with the exclusive "Magic Circle" Hinge.



"Magic Circle" Lock and Strike Plate match the charm of "Magic Circle" Hinges, without adding to the cost.



*first with  
the finest*  
in door and frame  
packaged units



SUPERBLY STYLED FOR POPULAR APPEAL • BRILLIANTLY ENGINEERED TO SIMPLIFY CONSTRUCTION  
SKILLFULLY DESIGNED FOR ABUNDANT DAYLIGHT AND VENTILATION

## **LUPTON ALUMINUM WINDOWS & SLIDING DOORS**

FOR THE PROJECT YOU'RE PLANNING RIGHT NOW

The "extra" they're insisting on!

## LUPTON Aluminum Sliding Doors

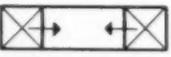
Floor-to-ceiling Lupton Sliding Doors are especially suited to the modern home. They offer the convenience of a door to the garden or the patio—and striking outdoor view—with none of the usual disadvantages found with other types of doors. Weather-tight construction, with double row of woven-pile weather strip on all sides of movable sash, makes them ideal in any climate. Low sloped heavy aluminum threshold keeps water out and lessens danger of tripping. Special door design allows for leveling adjustment at installation. And hardware, of course, is to exacting Lupton standards. Heavy-duty sliding screens available at extra cost when specified.

A fast-growing favorite with "buy-appeal"!

## LUPTON Aluminum Sliding Windows

Here's a handsome, sturdy window ideally suited to the contemporary home. Quiet nylon rollers—standard with Lupton Sliding Windows—make for smooth, effortless operation. Frames and sash are of beautifully finished extruded aluminum. Weather strip is woven pile on aluminum backing, to protect against air and water leakage. A continuous grip for operation is extruded as a part of the vertical sash bars, and a sturdy lock is provided at the meeting bar. Extended fin as part of the frame makes installation easy, quick, and economical. Aluminum screens available at additional cost—may be inserted and removed from within the room.

DOOR TYPE	WIDTH	HEIGHT	ROUGH OPENING	GLASS SIZES
<b>TYPE XO</b> 	6'0"	6'9 1/2"	6'9 1/2" H 6'0 1/2" W	2@ 34" x 76"
	8'0"	6'9 1/2"	6'9 1/2" H 8'0 1/2" W	2@ 46" x 76"
	10'0"	6'9 1/2"	6'9 1/2" H 10'0 1/2" W	2@ 58" x 76"
<b>TYPE OXO</b> 	8'0 1/2"	6'9 1/2"	6'9 1/2" H 9'1 1/4" W	1@ 36" x 76" 2@ 34" x 76"
	12'0 1/2"	6'9 1/2"	6'9 1/2" H 12'1 1/4" W	1@ 48" x 76" 2@ 46" x 76"
	15'0 1/2"	6'9 1/2"	6'9 1/2" H 15'1 1/4" W	1@ 60" x 76" 2@ 58" x 76"
<b>TYPE OXXO</b> 	11'11 1/2"	6'9 1/2"	6'9 1/2" H 12'0" W	4@ 34" x 76"
	15'11 1/2"	6'9 1/2"	6'9 1/2" H 16'0" W	4@ 46" x 76"
	19'11 1/2"	6'9 1/2"	6'9 1/2" H 20'0" W	4@ 58" x 76"

WINDOW TYPE	WINDOW DIMENSION AND ROUGH OPENING		GLASS SIZES		
	WIDTH	HEIGHT			
<b>XO</b> 	2' 6"	1' 11" 2' 5"	2@ 14" x 20" 2@ 14" x 26"		
	3' 2"	1' 11" 2' 5" 2' 11"	2@ 18" x 20" 2@ 18" x 26" 2@ 18" x 36"		
	3' 10"	1' 11" 2' 5" 2' 11" 3' 11"	2@ 22" x 20" 2@ 22" x 26" 2@ 22" x 36" 2@ 22" x 44"		
<b>OX</b> 	5' 2"	1' 11" 2' 5" 2' 11" 3' 11"	2@ 30" x 20" 2@ 30" x 26" 2@ 30" x 36" 2@ 30" x 44"		
	<b>XOX</b> 	6' 2 1/2"	1' 11" 2' 5" 2' 11"	2@ 18" x 20" 2@ 18" x 26" 2@ 18" x 36"	1@ 36" x 20" 1@ 36" x 26" 1@ 36" x 36"
		7' 6 1/2"	1' 11" 2' 5" 2' 11" 3' 11"	2@ 22" x 20" 2@ 22" x 26" 2@ 22" x 36" 2@ 22" x 44"	1@ 44" x 20" 1@ 44" x 26" 1@ 44" x 36" 1@ 44" x 44"



Engineered for quick, easy installation...

## LUPTON Aluminum Double-Hung Windows

These Lupton windows are designed to give years of satisfactory service at comparatively low cost. Installation is swift and simple. Frames interlock at mullions, require no extra pieces for installation. Frame and sash members are accurate extrusions of high-strength aluminum alloy. Weather stripping is stainless steel. Balances are concealed, yet easily accessible for adjustment should it be necessary. Sash float between guides of stainless steel, continuous from head to sill, eliminating window rattle. As with all Lupton windows and sliding doors on these pages, delivery is prompt. Screens and storm sash furnished at extra cost.

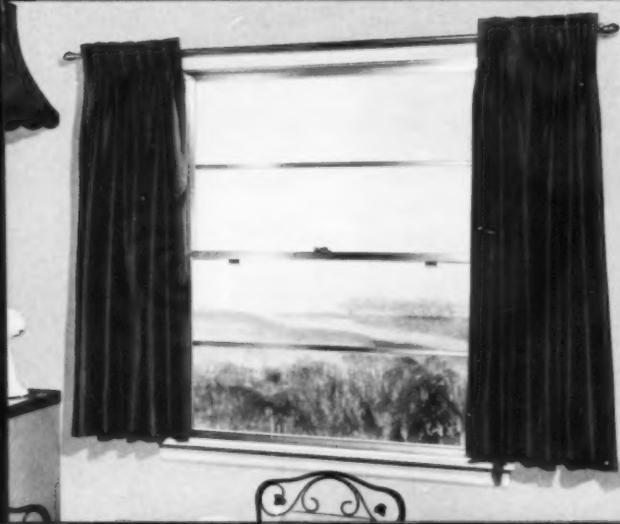
Smart, sturdy, and "sellable"...

## LUPTON Aluminum Residence Casement Windows

Maximum glass area and superior ventilation distinguish these Lupton Aluminum Casement Windows. They are weather-tight, of course; easy to operate, easily and safely cleaned from the inside. Construction is of accurately extruded solid-section bars of high-strength aluminum alloy, with corners of frames and ventilators electrically welded. Handsome operating hardware is die-cast of special alloy. Both fixed and ventilated units are available at no extra cost with any or all muntins omitted (any remaining muntins must be in standard locations). Aluminum screens and interchangeable storm sash, located on inside, are available at extra cost.

WINDOW DIMEN.	2'-0 1/2"	2'-4 1/2"	2'-8 1/2"	3'-0 1/2"	3'-4 1/2"	3'-8 1/2"
3'-1 1/2"	82021 Muntin	82401 Muntin	82801 Muntin	83001 Muntin	83401 Muntin	
3'-9 1/2"	82029 Muntin	82409 Muntin	82809 Muntin	83009 Muntin	83409 Muntin	
4'-5 1/2"	82041 Muntin	82441 Muntin	82841 Muntin	83041 Muntin	83441 Muntin	83841 Muntin
5'-1 1/2"	82051 Muntin	82451 Muntin	82851 Muntin	83051 Muntin	83451 Muntin	83851 Muntin
5'-9 1/2"	82059 Muntin			83059 Muntin	83459 Muntin	83859 Muntin

WINDOW DIMEN.	1'-7 1/4"	3'-1"	4'-5 1/4"	5'-9 1/4"
2'-2"	1212L	2212L 2222	3222	4222
3'-2 1/2"	1312L	2312L 2322	3322	4322
4'-2 1/2"	1414L	2414L 2424	3424	4424
4'-2 1/2"	1413L	2413L 2423	3423	4423
5'-3"	1514L	2514L 2524	3524	4524



# Aluminum Windows and Sliding Doors

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AICHEL STEEL AND SUPPLY CO.

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## **MASSACHUSETTS**

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BOSTON SCREEN AND SASH COMPANY

## **MICHIGAN**

### **Detroit**

D. D. BURFORD CO., INC.

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## **MISSOURI**

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## **NEW YORK**

### **Farmingdale, L. I.**

KARPEN STEEL PRODUCTS COMPANY

### **Syracuse**

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## **NORTH CAROLINA, Charlotte**

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### **Tulsa and Oklahoma City**

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## **PENNSYLVANIA**

### **Allentown**

UNITED MATERIALS COMPANY

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C. H. HERSHOCK, INC.

### **Hazleton**

HAZLETON CONCRETE COMPANY

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## **Philadelphia**

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## **UTAH, Salt Lake City**

BUEHNER BLOCK COMPANY

## **WEST VIRGINIA, Charleston**

FIREPROOF PRODUCTS COMPANY

**LUPTON**® METAL WINDOWS • SLIDING DOORS  
MICHAEL FLYNN MANUFACTURING CO.

Main Office and Plant: 700 E. Godfrey Ave., Philadelphia 24, Pa. Member Steel Window Institute and Aluminum Window Mfrs. Assoc.

*Specifically better...*

## Sun Valley Aluminum Sliding Glass Doors



### IMPERIAL WEATHERWALL

- The Imperial Weatherwall's exclusive design has proven completely its ability to operate effortlessly even with the added weight of 1" insulated glass. Can also be single glazed.
- Many other features such as: Endless Vinyl "wrap-around" glazing bead, multiple Mohair silicoated pile weather stripping, extra heavy extrusions, truss principle rigid Frame and dual adjustable tandem rollers, make the Imperial Weatherwall the finest sliding door available.

### SUN VALLEY DOORS IN FULL COLOR BEAUTY

Both the Imperial Weatherwall and the Senior Door are available in 10 original, "Decorator Series", colors; not paint, not enamel, not anodizing, but a new process... epoxy, a color impregnated resin that is durable, longlasting and highly chip resistant. This Sun Valley exclusive opens up many new areas to the use of Aluminum Sliding Glass Doors.

### SENIOR CONVERTIBLE

- The Senior door Frame is designed to accommodate two distinct type Panels either single or  $\frac{3}{4}$ " insulated glass without an adaptor or extra cost.
- Exclusive truss design principle gives the Senior Door "walk-in" Frame complete rigidity, simplifying installation.
- Complete weather stripping to protect against wind, cold or rain.
- Simplicity and cleanness of design assures years of service free performance.

### JUNIOR DOOR

- A quality door specifically designed for use in modestly priced homes, and interior applications in fixed Panel or multiple slide series.
- The Junior Door while competitively priced has many of the Sun Valley quality features.



*Specifically better...*



For full details write to: Sun Valley Industries, Inc. at either: 8354 San Fernando Road, Sun Valley, California  
4528 West 51st Street, Chicago, Illinois



presenting . . .

# a rugged sectional at a right price!

Here's the Berry four-section door—the newest, most advanced sectional a garage can boast. Best yet, it's priced to outsell any previous sectional door.

But don't be deceived by its highly competitive price. This sectional has all the buyer-preference features that have made Berry the *world's largest manufacturer of residential garage doors*: easy-lift, quiet operation; tapered track and adjustable rollers; complete, climate-proof weather stripping; metal stops; full-width unlatching mechanism; rigidized face panels and continuous section hinges. It's Paintlok steel, too . . . won't swell, warp, peel,

check or rust. The door is fully backed by an exclusive five-year guarantee!

See your building supply distributor or write direct. *Steel Door Corporation, 2400 E. Lincoln, Birmingham, Michigan.* In Canada: Berry Door Co., Ltd., Wingham, Ontario.

**Berry**  
**STEEL DOORS**

AMERICAN BUILDER

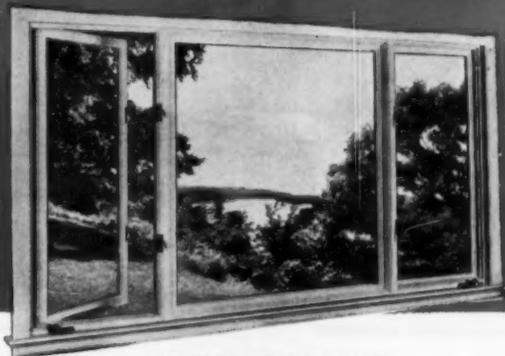
# FARLEY & LOETSCHER



## WOOD CASEMENTS

WITH EXCLUSIVE

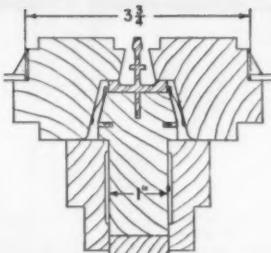
### Narrow Mullions



Qualitybilt Casements emphasize modern, narrow lines, fine hardware and accessories. Check these outstanding features:

#### NARROW LINE MULLIONS

A heavy, cross-shaped aluminum extrusion is expertly combined with the wood mullion to give great strength and rigidity, yet allow a slender appearance. Bulkiness is eliminated.



#### EXTENSION HINGES

Permit easy, quick cleaning from inside of building.



#### DOUBLE GLAZE PANEL

Attaches to inside with clips, forms an integral part of sash for year 'round insulation. Easily removed and replaced for cleaning.

#### INSULATING GLASS

Hermetically sealed air space eliminates the need of double glazing panels. Meets all insulating and air-conditioning requirements. Cuts window cleaning time in half.

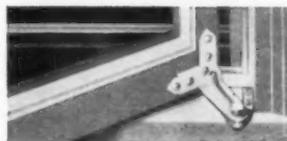


#### OPERATOR

Powerful worm and gear operator holds sash in any desired position, operates without interfering with screen.

#### SASH LOCK

Pick-up closing action. Forcibly ejects sash slightly when opening. Operates without interfering with screen.



#### SELECT YOUR CHOICE OF GLAZING

Casements are supplied with three types of glazing.

1. Horizontal lights as shown, glazed standard window glass. (Double glazing panels optional.)
2. One light sash, glazed standard window glass. (Double glazing panels optional.)
3. One light sash, glazed with insulating glass. (Double glazing panels not required.)



#### PICTURE WINDOWS

Can be furnished in many sizes with plate or insulating glass to combine with casements. Standard frame parts are used for picture windows with or without casement flankers.

#### DIAMOND LIGHT INSERTS

Now available for type 2 or type 3 glazing, these attractive Diamond Light Inserts snap in or out easily, without tools, for quick cleaning of glass.

### STANDARD UNITS

#### NARROW SERIES—SH. OPG. 1-6 3/4 WIDE

MAS. OPG. 1-11 1/4	3-7	5-2 3/4	6-10 1/2	8-6 1/4
STUD OPG. 1-10	3-5 3/4	5-1 1/2	6-9 1/4	8-5
SASH OPG. 1-6 3/4	3-2 1/2	4-10 1/4	6-6	8-1 1/2
1-11 1/4	3-7	5-2 3/4	6-10 1/2	8-6 1/4
1-10	3-5 3/4	5-1 1/2	6-9 1/4	8-5
1-6 3/4	3-2 1/2	4-10 1/4	6-6	8-1 1/2
N2	N22	N23	N24	N25
N3K	N32K	N33K	N34K	N35K
N3	N32	N33	N34	N35
N4	N42	N43	N44	N45
N5	N52	N53	N54	N55

#### WIDE SERIES—SH. OPG. 1-11 1/4 WIDE

MAS. OPG. 2-3 3/4	4-4	6-4 1/2	8-4 1/2	10-4 3/4
STUD OPG. 2-2 1/2	4-2 1/2	6-3	8-3 1/4	10-3 1/2
SASH OPG. 1-11 1/4	3-1 1/2	5-11 3/4	8-0	10-0 1/4
2-3 3/4	4-4	6-4 1/2	8-4 1/2	10-4 3/4
2-2 1/2	4-2 1/2	6-3	8-3 1/4	10-3 1/2
1-11 1/4	3-1 1/2	5-11 3/4	8-0	10-0 1/4
W2	W22	W23	W24	W25
W3K	W32K	W33K	W34K	W35K
W3	W32	W33	W34	W35
W4	W42	W43	W44	W45
W5	W52	W53	W54	W55

(Unit numbers indicate size of unit only, not the type of glazing.)

#### COMPLETE UNIT INCLUDES:

Frame, Glazed Sash, Inside Stops, Mullion Casings, Weatherstrip, complete Hardware and Screens. (Double Glazing Panels optional.) Frames and Glazed Sash accurately prefit to size, weatherstrip applied. Sash may be installed Operative or Stationary.

#### 1 LIGHT GLASS SIZES

Standard or Insulating Glass

Narrow Series	Wide Series
16 x 23	20 1/2 x 23
16 x 29 1/4	20 1/2 x 29 1/4
16 x 35 1/4	20 1/2 x 35 1/4
16 x 47 1/2	20 1/2 x 47 1/2
16 x 59 1/2	20 1/2 x 59 1/2

# F&L



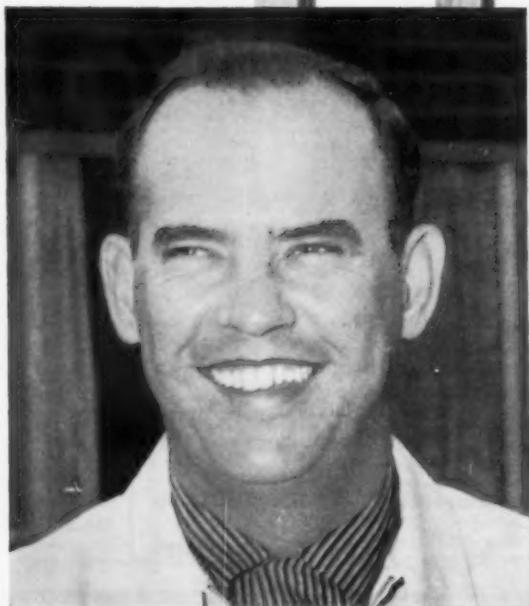
SINCE 1875... COMPLETE MILLWORK SERVICE

# FARLEY & LOETSCHER

*Manufacturing Company* • DUBUQUE, IOWA

ENTRANCES • DOORS • FRAMES • SASH • BLINDS • CASEMENTS • SLIDING DOORS • SCREENS • COMBINATION DOORS  
STORM SASH • GARAGE DOORS • MOULDINGS • INTERIOR TRIM • SASH UNITS • LOUVERS

# New Andersen Strutwall\*



**Chuck Seeberger**, Fister-Seeberger Homes, Inc., says, "Andersen Strutwall Units played a major role in giving us an extra profit on the 35 homes we just built. We certainly plan to use the Andersen Strutwall Unit in our last 42 homes. I was amazed at the ease of installation in either our frame or brick veneer homes."

**Comes assembled!** Andersen Window, load-bearing side struts, jack studs, other members are precision nailed and glued at the factory. This provides remarkable strength, unusual resistance to racking. Cuts normal window installation two thirds.

TRADEMARK OF ANDERSEN CORPORATION

# gives builder better homes, helps him make extra profit!

With 77 homes left to go in a 210-home subdivision, priced from \$10,500 to \$15,000, Fister-Seeberger Homes, Inc., Lexington, Ky., switched from prefabs with aluminum windows to precut parts and new Andersen Strutwalls. After checking figures, the company reports an extra profit on its last 35 homes. It credits a large share of this amount to Andersen Strutwalls.

That's because new Andersen Strutwalls cut normal window installation two thirds—from around 22 steps to 7. They come with the Andersen Window and framing members already assembled. To install, you

simply make two cuts with your saw to fit your header construction. Nail in place. It's that quick and easy. Quality goes up in every home, too. And new Andersen Strutwalls provide the strongest, tightest, most trouble-free joining of window and wall.

Builders everywhere report new Andersen Strutwalls deliver a good saving in total installed costs—even compared to cheap conventional windows. They can do the same for you. Get complete information from your Sweet's file, lumber or millwork dealer. Or write: Andersen Corporation, Bayport, Minnesota.



*Photograph courtesy Lexington Herald-Leader.*

**Saves time, materials!** To install Strutwall, Fister-Seeberger workmen simply cut two load-bearing side struts to fit header construction. Nail in place. Tilt up with wall. In multiple openings, Strutwalls are butted against each other. This eliminates need for anything heavier than two 2 x 6 headers in single story construction.



**More beautiful, more trouble-free!** Handsome wood sash and frames of Andersen Strutwalls add character, natural warmth and beauty to Fister-Seeberger homes. Because the Strutwall is one precision-made component, it provides strongest, tightest, most trouble-free joining of window and wall.

## Andersen Windowalls

TRADEMARK OF ANDERSEN CORPORATION

ANDERSEN CORPORATION • BAYPORT, MINNESOTA



## Reflection of Quality in Garage Doors

No matter how you look at it, a RO-WAY Garage Door reflects the finest in quality.

In styling, for example, you can see at a glance how its clean, simple lines enhance the design of the homes you build.

In construction, its selected woods and husky hardware are put together with cabinet-maker skill for lasting service . . . muntins, rails and stiles precision squared for perfect fit; mortise and tenon joints both glued and steel pinned for extra strength; sections rabbeted to make weather-tight joints; surfaces smoothly sanded for finest finish.

In operation, too, every RO-WAY door is unsurpassed. With specially designed Taper-Tite track, ball bearing rollers, and springs tension-balanced to the weight of the door, smooth, quiet performance is assured for years.

Yet, with all this quality RO-WAY garage doors are competitively priced. So why settle for less? Call your RO-WAY distributor for full details—he's listed in the Yellow Pages.

*For added convenience, install the famous  
RO-WAY Model 80 Electric Operator with  
push-button or remote radio control*

**ROWE MANUFACTURING CO.**  
708 Holton Street • Galesburg, Illinois

SEE OUR CATALOG  
IN SWEET'S  
ARCHITECTURAL  
FILE  
OR WRITE FOR COPY

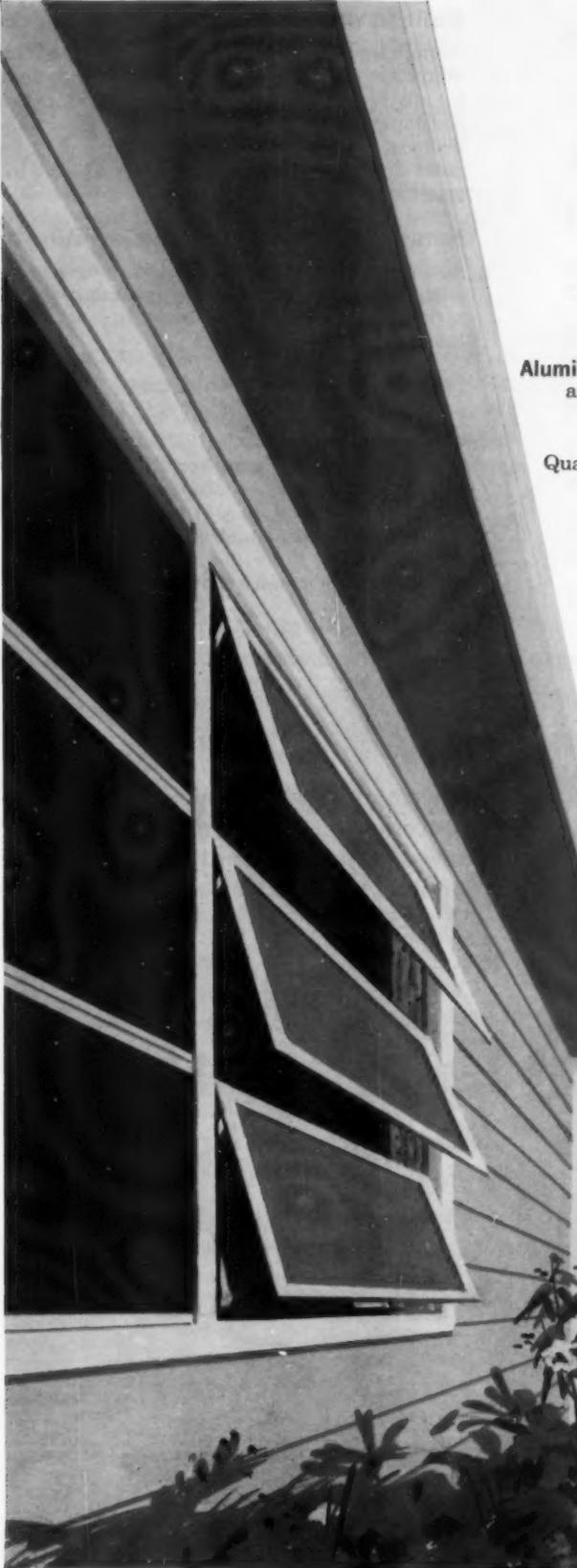


*there's a Ro-Way*



*for every Doorway!*

RESIDENTIAL • COMMERCIAL • INDUSTRIAL



Builders add modern "eye appeal,"  
reduce installation time and labor costs  
for quality homes with

## Prime Windows of Care-free Alcoa Aluminum

**Aluminum Says: "Quality Construction!"** Builders everywhere are discovering that one of the most profitable ways to dress up the appearance of a home is to install maintenance-free prime windows of Alcoa® Aluminum.

Quality aluminum prime windows have several outstanding advantages that are instantly recognizable by home buyers. A trim, modern appearance that blends tastefully with any type of construction; weathertight fitting, soundly engineered to *stay* that way; Care-free features that include permanent freedom from painting and lasting corrosion resistance; easy opening or closing in *every* season, because aluminum does not warp, swell or rot.

Add to the above benefits savings that you can make in installation costs because of aluminum's light weight and ease of application. Then it's easy to see why the trend in prime windows is to aluminum. Homeowners *look* for this extra value that only aluminum can provide. To sell more homes faster, sell the Care-free living that comes with aluminum.

Turn the page for more details on why more home buyers prefer aluminum windows.

ALUMINUM COMPANY OF AMERICA, PITTSBURGH 19, PA.

# Prime windows of Alcoa Aluminum for Care-free operation, economical installation and long-lasting good looks

produced by quality manufacturers  
in a variety of styles and sizes  
for every type of construction  
— frame, masonry,  
concrete block  
or stucco



## Built to outlast the mortgage

Aluminum prime windows of high-strength Alcoa alloys are made for a lifetime of Care-free living for any home in any climate. Aluminum's natural resistance to corrosion means it can stand up under the most severe weather conditions—including sea-coast and industrial atmospheres—and still look smart and complimentary to the house.

## Smooth operation with no painting

Aluminum prime windows shed moisture and never swell, rot or warp out of line. No painting is necessary. They open and close smoothly every day of the year.

## Fast installation at less cost

Lightweight aluminum prime windows are easy to handle, so they go up fast. They can be shipped preglazed and as an integral unit with all hardware included. In many cases, one man can then handle the complete installation *in only a few minutes*. Once installed, aluminum windows stay up and work smoothly. From the start, eliminate costly service calls for replacements and adjustments.

## Low initial cost

The cost of aluminum prime windows is competitive with other types—yet they are by far the biggest bargain for both builders and homeowners. Only with aluminum can you couple low *first* cost with minimum maintenance costs.

## A style and size for every home . . . contemporary and traditional, new construction and remodeling

Aluminum prime windows come in an infinite variety of styles, sizes and modifications to meet virtually every architectural design. Those shown at right are the most popular models.



**Sliding windows** glide open and shut easily. Require only seasonal cleaning and are strong enough to withstand heavy winds without damage.

**Double Hung windows** keep out drafts, yet are easy to open in warm weather. There's never any warping or rotting to interfere with the smooth gliding action.

**Casement windows** never need painting, never rot or stain. They are easy to open and close all year round, economical and good looking.

**Jalousie windows** have clean, horizontal lines that accentuate modern architectural styling. Glass or aluminum louvers adjust for convenient ventilation.

**Basement windows** are a natural for aluminum, because they are constantly exposed to moisture. But neither rain, mud nor snow bothers aluminum.

**Projected (Awning) windows** let cool air in, keep the rain out. Their sleek, smooth lines add beauty to any home.

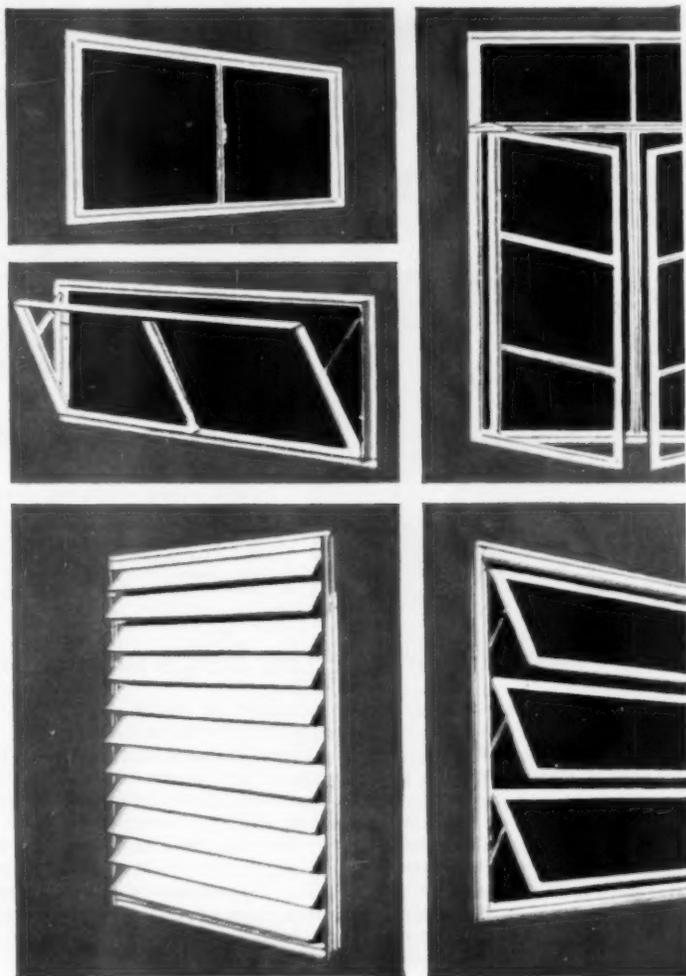
### Quality features generally found in today's aluminum prime windows

**Finish.** Etched finish is usually standard; mill and anodized finishes also available. For all finishes, insist on a suitable factory-applied clear coating for protection during handling and construction.

**Weather Stripping.** Compressive vinyl plastic seals, nylon sash guards, woven pile weatherseal and metal are the most common types.

**Hardware.** Operating mechanisms, nails and screws are of solid aluminum or of other metal suitably treated where required for noncorrosive contact with aluminum.

ALUMINUM COMPANY OF AMERICA, PITTSBURGH 19, PA.



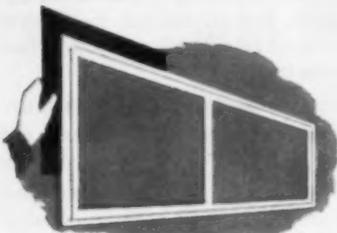
# Installation and Handling Procedures for Aluminum Prime Windows

## Handling

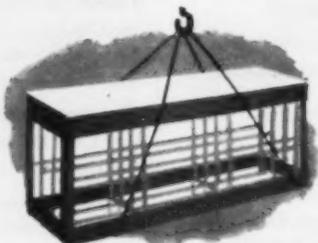
Aluminum prime windows, like bathroom or lighting fixtures, are a finished building product and should be handled to protect against scratches and dirt. They should be *lifted* on and off trucks and never dropped. At the job site, they should be stacked vertically. Crates or other covering should not be removed until installa-

tion. If the windows will be exposed to weathering prior to installation, a protective covering should be fitted around the stacks loosely enough to permit air to circulate. The windows should always be kept dry and off the ground.

## Installation



Check to make sure window is perfectly square; transit damage may have caused misalignment.



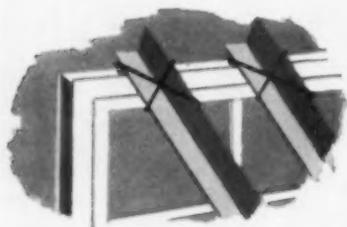
If hoisting is necessary, place sling so as to distribute load equally without distorting window in any way.



Check window opening to make sure it is square, level and has sufficient clearance.



Anchor window in accordance with manufacturer's instructions, providing enough clearance at sill where under-screen operator is used. Care should be taken not to twist or distort window by pulling too much on one side. Sash should be locked in closed position during entire installation.



When window is to be built in as construction progresses, it should be braced plumb and square after checking to make sure sill is level. Subsequent masonry work should not crowd or bow frame.



Use a quality, nonstaining compound for caulking. Seal the entire window perimeter, the joints between mullions and frames and all unfilled holes or openings except those for screens and storm sash. Remove wet plaster, mortar or cement from window surfaces before it sets.

## Cleaning

If the aluminum surfaces are kept free of dust, dirt and plaster during construction, no cleaning is necessary with aluminum windows. When needed, the window surface can be brushed with a stiff-fiber brush and soap and water, followed by a thorough rinsing with clean water.



## The Alcoa Care-free tag helps stimulate your sales

When your homes feature prime windows of Alcoa Aluminum, you gain another active partner on your selling team: The Alcoa Care-free tag. Promoted via two network television programs, radio, national magazines and local newspapers, it identifies quality building products of Alcoa Aluminum, immediately says lighter, brighter living to your prospects. Eight out of ten adult Americans now know and look for this tag as their guide to aluminum value.

Join the trend to aluminum for more Care-free homes. Alcoa would like to share with you the experience gained in over 30 years of researching and developing better products and building techniques for American homes.

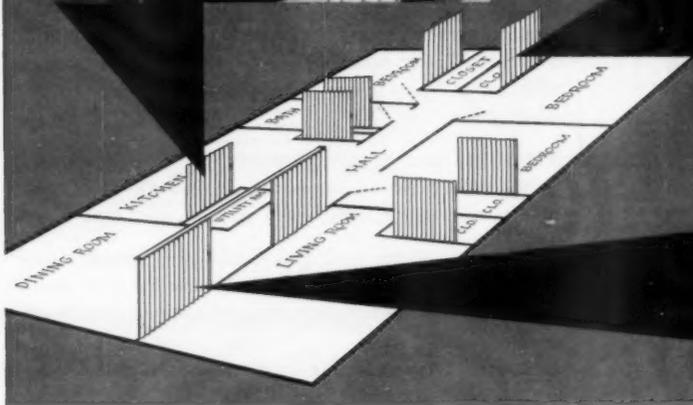
For the names of manufacturers who make prime windows of quality Alcoa Aluminum, call your nearest Alcoa sales office or write: Aluminum Company of America, 1888-D Alcoa Building, Pittsburgh 19, Pa.



**WAL-DOR Folding Doors** — most economical solid folding door. Ideal for kitchen, bedrooms.



**STEELITE** — designed for closets and other inexpensive closures. Features full length, S-curved Steel Panels sealed between layers of quality vinyl.



# ASK US TO PROVE IT!

## YOU CAN SAVE

### \$386.12 A HOME

Clopay Folding Doors (with minimum stackback and panel widths) can be installed in minutes (you save hours of labor time). Clopay Folding Doors save eight square feet that old fashioned wood swinging doors waste (you save valuable space). Clopay Folding Doors cost far less, give quality performance — there is a folding door for every purpose, every size (you save big money). Home-buyers love their convenience and smartness! Your savings are important enough to make a substantial difference in your selling price—to put your homes within the reach of more prospective home-buyers!



COPYRIGHT 1959, CLOPAY CORP., CINCINNATI, OHIO, U.S.A.



### MAGIC-FOLD Folding Doors

— "Regal", "Princess" and "Custom" Models for the important rooms. And as room divider. Pantographic action. Heavy duty vinyl cover.

CLOSURES DIVISION OF CLOPAY CORPORATION  
CLOPAY SQUARE, CINCINNATI 14, OHIO

Clopay  
Folding Doors

• Magic-Fold

• Wal-Dor

• Steelite

MAIL COUPON.  
ASK US TO PROVE IT!

Closures Division of Clopay Corp.  
Clopay Square, Dept. 71, Cincinnati 14, Ohio

Gentlemen:  
Okay, prove it to me. Send catalog, price lists.

Name \_\_\_\_\_

Firm \_\_\_\_\_

Address \_\_\_\_\_

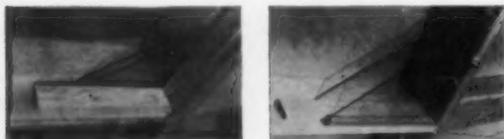
City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_

*Window Wall is our business—not a sideline!*

# REUTEN TRU-BOW TRU-WALL



**DOVETAIL JOINTS**—The symbol of Reuten manufacturing excellence. Every joint is constructed in this interlocking manner for permanent weather-tightness, overall structural strength, and the assurance that Reuten windows will hold their shape despite exposure to weather extremes. These two photographs show how the mullions are dovetailed into window heads and seats and how horizontal mullions are dovetailed into the vertical ones. (moulding has been removed to show this construction detail)



**GLAZING**—Modern, insulated glass can be installed with most Reuten windows. Standard glass and storm panels can be used on any unit. Storm panels are completely interchangeable and are attached with quarter turn locking nuts. Above are two models showing installation details of standard glass with a storm panel and insulated glass. Pane sizes of all Reuten windows are the same as standard sizes of insulated glass.



**VENTS**—Most Reuten windows can be vented in any section. Vents are operated by a simple, "direction" push bar. This device permits the window to be opened without opening the screen, it will not bind or jam and a window equipped with it will always tightly close and lock. Each vent section is equipped with two long wearing, smooth operating, non-rusting hinges. They have adjustable friction locks to hold windows at any open position.

Reuten windows add dramatic, graceful lines to the exterior of any house. They permit unlimited expression of a homeowner's interior decorating abilities and tastes.

There are over sixty combinations of the six basic styles illustrated at the right. Each style is available in a bowed shape (TRU-BOW) or flat (TRU-WALL).

Reuten TRU-BOWS and TRU-WALLS are manufactured to last the life of the house. Only the finest grades of wood are used in their construction . . . clear pine for mullions and jambs . . . vertical grain fir for heads and seats. Wood working craftsmen, utilizing the newest assembly line techniques and precision tools, turn out windows of custom built quality. Every joint is "dovetailed" for added strength and absolute weather-tightness. All Reuten windows receive a WOODLIFE treatment for resistance to aging and insects.

They can be installed in any type of home construction.

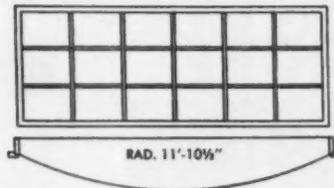
These windows are stocked by regular millwork jobbers in most areas of the country. No on-the-job assembly is necessary since they are delivered ready for installation . . . assembled, glazed and complete with outside trim. Rough roofs will be furnished for TRU-BOW installations on walls that do not have overhangs.

A brief description of the windows, their sizes and pane shapes, as well as venting details and glazing information will be found at the right. For more precise descriptions, exact dimensions, and specification details see our catalog in Sweet's Light Construction File 6c/Re, Sweet's Architectural File 17c/Re or write:

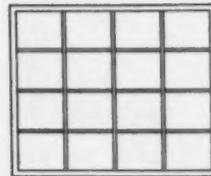


**FRED REUTEN INC.**  
C L O S T E R . N E W J E R S E Y

OR (TRU-BOW) and ORF (TRU-WALL) . . . A practical window that adds elegance to any home in any architectural style. Available in three or four pane heights and four, five or six pane widths. Any section can be vented and standard or insulated glass can be installed.

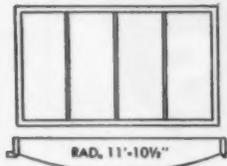


43-OR TRU-BOW



44-ORF TRU-WALL

OV (TRU-BOW) and OVf (TRU-WALL) . . . Windows designed for today's modern homes featuring large glass areas unbroken by horizontal mullions. Slightly under five feet high, these windows can be ordered in four, five or six pane widths. None of the sections can be vented but insulated glass can be used making this window ideal for air conditioned houses.

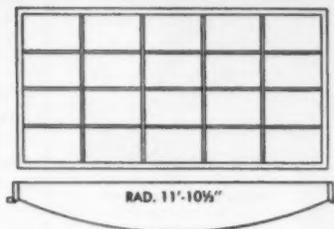


41-OV TRU-BOW

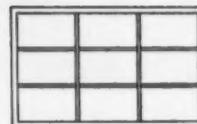


61-OVf TRU-WALL

OL (TRU-BOW) and OLF (TRU-WALL) . . . A window styled to enhance the low, wide silhouette of the ranch type home. Widths range from over seven feet in the three pane model to nearly twelve feet in the largest, five pane ones. Both three and four pane heights are available. Vents can be specified in any section and either insulated or standard glass may be used.



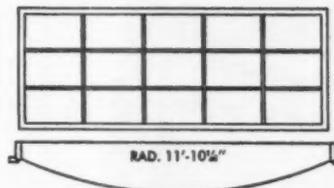
54-OL TRU-BOW



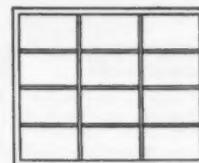
33-OLF TRU-WALL

OD (TRU-BOW) and ODF (TRU-WALL) . . . A REUTEN EXCLUSIVE . . . This series of windows is built with unusually wide mullions. There is nearly five inches of "shelf room" inside the pane which makes an ideal "storage-display" space for mementos, knick-knacks and keepsakes.

The OD (TRU-BOW) window is available in only one width (eleven and one half feet) by three or four pane heights. The ODF (TRU-WALL) series can be ordered in any combination of three or four pane heights by three, four or five pane widths. Venting and glazing details are identical with the OL and OLF windows.

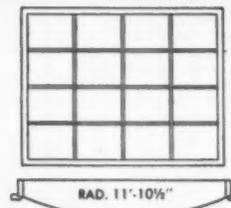


53-OD TRU-BOW

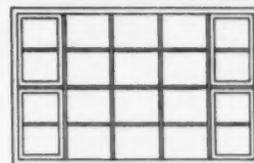


34-ODf TRU-WALL

OM (TRU-BOW) and OMF (TRU-WALL) . . . Windows utilizing fine, narrow mullions and relative large glass areas to add grace and charm to any house. They are available in only one height (4' 11 1/2") but range from nearly eight to over eleven and one half feet wide. The end sections are the only ones that can be vented and to retain the window's fine construction lines only standard glass can be installed. Full length, exterior mounted storm panels are used on non-vented sections while vent sections take interior mounted storm panels and screens.

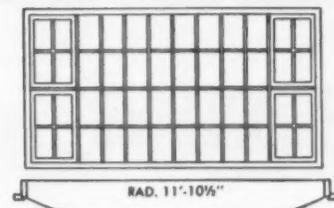


44-OM-NV TRU-BOW

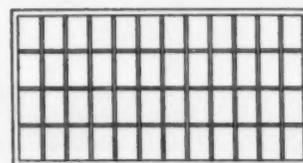


54-OMf TRU-WALL

OC (TRU-BOW) and OCF (TRU-WALL) . . . THE FAMOUS REUTEN COLONIAL. This window solves the problem created when today's demands for natural light and large windows must be combined with houses built in colonial architectural traditions or with homes in period decor. REUTEN's OC windows satisfy the most particular tastes. They bring magnificent, sweeping lines to house exteriors and add beautiful interior decorating "centers-of-interest." Venting and glazing details are identical to the OM and OMF series.



124-OC TRU-BOW



124-OCf TRU-WALL

LOOK INTO  
THE *Complete* LINE...

# WAGNER Garage DOORS



## RESIDENTIAL

Standard and special designs in sectional overhead type residential doors for quick factory drop shipment. Makers of the fabulous Redwood Beauti-door.



## WOOD

All standard types of sectional overhead wood doors available in extension spring or torsion spring galvanized hardware.



## STEEL

Sturdy sectional and one-piece steel overhead type doors available in residential and commercial sizes. Galvanized and factory painted.



## COMMERCIAL

Commercial sectional overhead type doors job design in wood or steel with either extension or torsion spring galvanized hardware.



**WAGNER MANUFACTURING COMPANY**

CEDAR FALLS, IOWA, U.S.A.

**Wall Vanity Bath Cabinet** is subject of a 1-page insert. Gives dimensions of two sizes available and describes and illustrates the product. Lau Blower Co.

● Circle No. 574 on reply card, p. 20

**House Paints**, both interior and exterior, are displayed and described in a 6-page brochure. Included is a guide to the use of colors and selection of shades. The Arco Co.

● Circle No. A575 on reply card, p. 20

**Aluminum Windows**, double hung type with tilting, removable sash are described and illustrated in an 8-page booklet. Includes installation details, stock sizes available and specifications. United States Window Corp.

● Circle No. A576 on reply card, p. 20

**Hardwood Floors** are the subject of an 8-page color-illustrated booklet. Specifications and photographs of seven different architects' specifications are included. Wood-Mosaic Corp.

● Circle No. 577 on reply card, p. 20

**Sewage Treatment** process equipment, named RatedAeration, is explained in a 12-page bulletin. Designed for treating sewage from communities of 20 to 5,000 people. Chicago Pump Co.

● Circle No. A578 on reply card, p. 20

**Submersible Sump Pump** is illustrated and described in 2-page flyer. Gives specifications, construction details, and performance data, plus short description. Weil Pump Co.

● Circle No. A579 on reply card, p. 20

**Furnaces and Air Conditioners**, gas- or oil-fired models, are described in an 8-page booklet. Shows summer and winter conditioners, plus heaters and furnaces. The Henry Furnace Co.

● Circle No. A580 on reply card, p. 20

**Ceiling System Lighting**, three new types, is explained and illustrated in 6-page folders. Include mounting details, lighting characteristics, overall dimensions and ordering information. Smithcraft Lighting.

● Circle No. A581 on reply card, p. 20

**Walnut and Its Use** in commercial, institutional and residential interiors are explained in this architectural study. Illustrates and explains dozens of applications. American Walnut Mfr's Assn.

● Circle No. A582 on reply card, p. 20

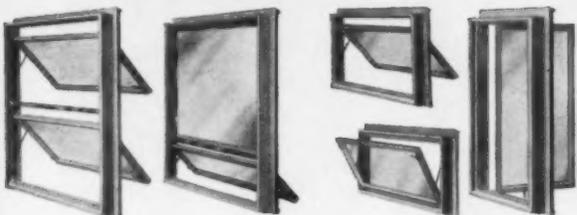
(Continued on page 238)

FARLEY & LOETSCHER

4-WAY

Qualitybilt  
WINDOWS

4-WAY WINDOWS



TWO-SASH

SINGLE SASH

Here they are . . . brand new Qualitybilt 4-WAY WINDOWS designed to be used as Awning Type, Hopper Vents, Out-Swinging Casements or Fixed Units, installed individually, stacked or combined horizontally.

The TWO-SASH Series have a slender meeting rail . . . only 2 1/2" between glass instead of the usual 4" or 5" when single units are stacked. For greatest economy with still ample ventilation, units can be furnished with top sash fixed. However, both sash (except in units 36G, 39G, and 44G) may also be made to operate for 100% ventilation. As casements, simply install them with sash vertical.

The SINGLE SASH Series is a perfect companion to the TWO-SASH Series. It meets the demand for the popular "shoulder-high" awning units or ribbons. Can also be used as Awning or Hopper Vents above or below TWO-SASH or Picture Sash Units. As Casements they can be installed to operate either right or left; singly, in groups, or as flankers for Picture Units. And versatility is only part of the story! All units are supplied complete, fully weather-stripped, set up, ready to install. You can select roto, lever, bar, or manual operation, single glazing with removable double glazing panels, or insulating glass. Screens are all-aluminum with gun-metal finish wire. Wood parts are toxic-treated with approved water-repellent preservative.

See complete catalog in Sweets 1959 Architectural and Light Construction Files or write us for catalog and name of nearest distributor!



BAR OPERATOR



ROTO-OPERATOR



ATTRACTIVE LOCKS



LEVER OPERATOR

WELDED INSULATING GLASS



TWO-SASH SERIES UNITS

For Awning or Casement installations. Top sash stationary or operative. 38G, 39G, and 44G are furnished with top sash stationary only.

MAS. OPG.	2-10 1/2	3-7 1/2	3-10 1/2	4-3 1/2
STND OPG.	2-8 1/2	3-5 1/2	3-8 1/2	4-1 1/2
UNIT SIZE	2-7 3/8	3-5	3-8	4-1
GLASS SIZE	27	36 1/2	39 1/2	44 1/2
27A	36A	39A	44A	
27B	36B	39B	44B	
27C	36C	39C	44C	
27D	36D	39D	44D	
27E	36E	39E	44E	
27F	36F	39F	44F	
36G	39G	44G		

TWO-SASH SERIES

SINGLE SASH SERIES



SINGLE SASH SERIES UNITS

For Awning, Casement, or Hopper installations.

2714	3614	3914	4414
2718	3618	3918	4418
2722	3622	3922	4422
2730	3630	3930	4430
	P3646	P3946	P4446

OPTIONAL INSERTS — The drawings illustrate optional inserts available for 4-WAY Windows. Inserts snap in and out without tools for easy cleaning.



4-WAY  
Qualitybilt  
WINDOWS

SINCE 1875... COMPLETE MILLWORK SERVICE

FARLEY & LOETSCHER  
Manufacturing Company • DUBUQUE, IOWA

ENTRANCES • DOORS • FRAMES • SASH • BLINDS • CASEMENTS • SLIDING DOORS • SCREENS • COMBINATION DOORS  
STORM SASH • GARAGE DOORS • MOULDINGS • INTERIOR TRIM • SASH UNITS • LOUVERS



Now available: double-hung windows  
glazed with L·O·F *Thermopane*®

A special *Thermopane* insulating glass — made with *single-strength* sheet glass — is ready for the big building year. Because the two panes are slightly thinner than those used in any previous *Thermopane* unit, this new product is practical for double-hung sash.

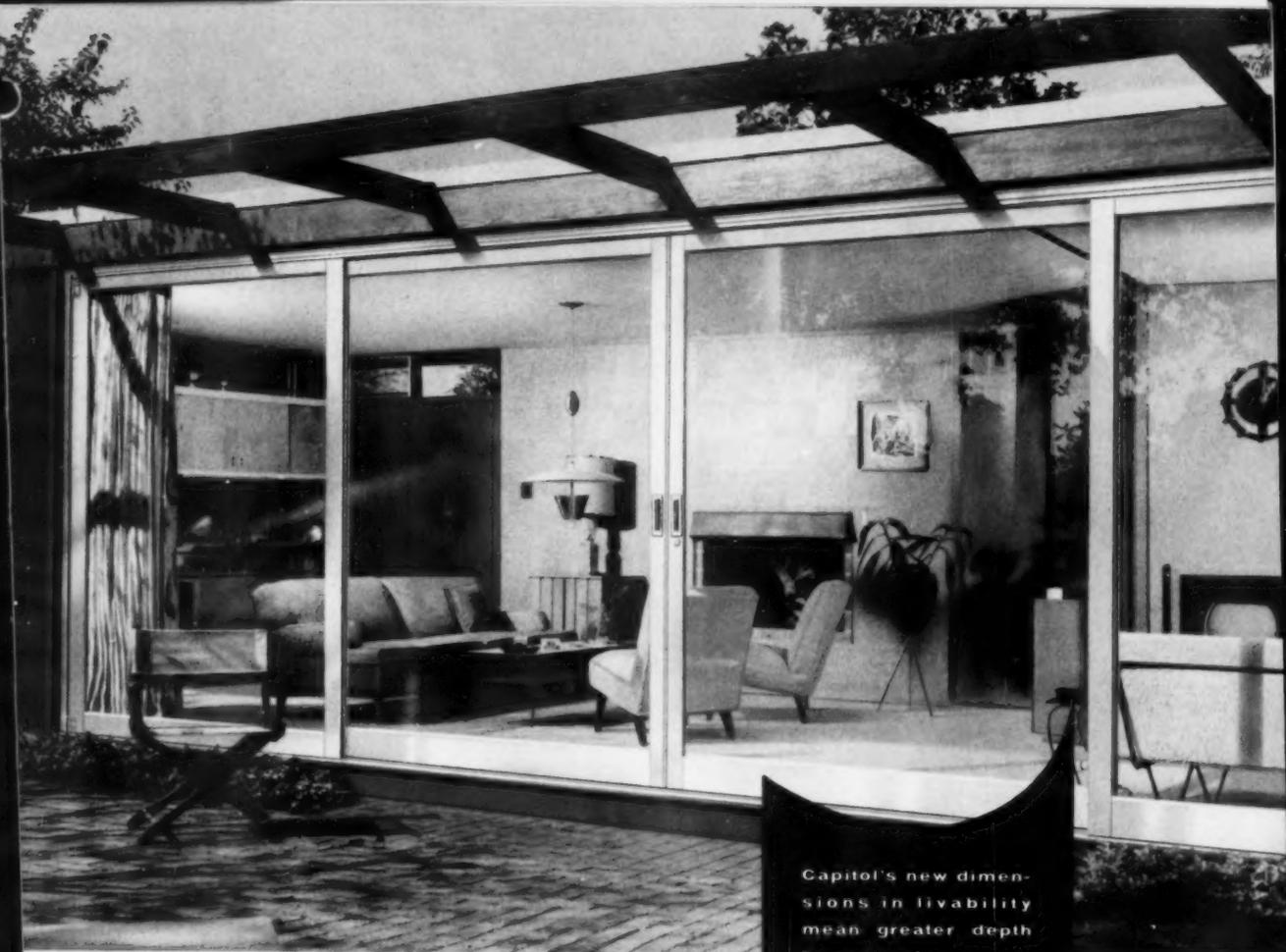
Now you can plan and build houses with L·O·F *Thermopane* in every window — and eliminate need for storm sash — a feature clients and home buyers will appreciate.



*Thermopane* a Great Name in Glass  
INSULATING GLASS

Made solely in the U. S. A. by

LIBBEY·OWENS·FORD • TOLEDO 3, OHIO



Capitol's new dimensions in livability mean greater depth to your sales



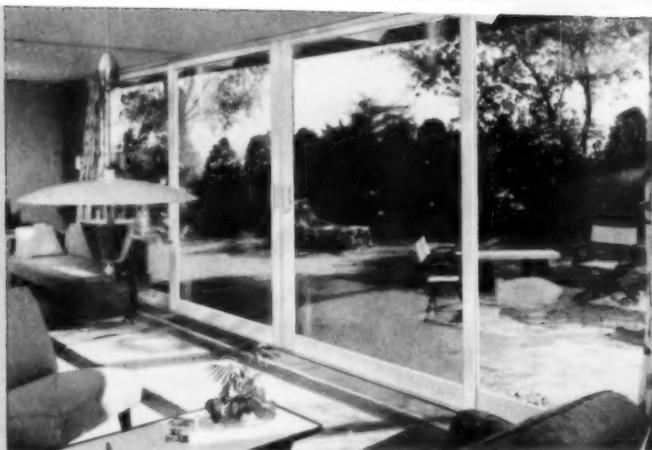
## THE **Capitol** LINE IS THE SELLING LINE !

More and more, where you find better designed and better built homes, you find Capitol. Smart style, smooth operation, outstanding engineering, easy installation—these are characteristic of all aluminum building products by Capitol. With a complete line, from one dependable source, you can find just what suits your requirements . . . and your customer's demands. It adds up to more sales and more profit for you!

SEE WHY  
CAPITOL IS  
A GREAT  
SALESMAN

Your Sales  
**GROW**  
here with  
**Capitol**

... the  
most favored,  
up-to-date line  
in the  
industry!



**CAPITOL ROLLING GLASS DOORS**

One of the most saleable features in new home design...

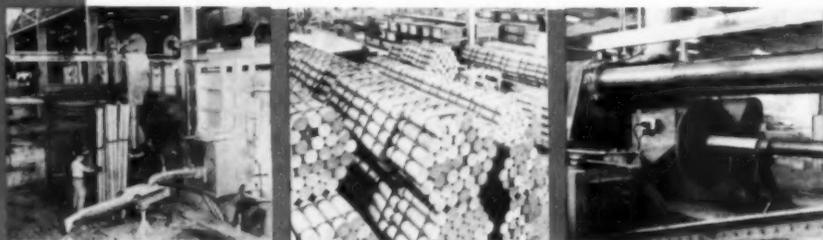
- Hollow aluminum extrusions for maximum strength
- Adjustable nylon rollers and guides give smooth, quiet operation without lubrication
- Completely weathersealed... at sill, header and meeting rails
- Built for Thermopane... simple adaptor accommodates plate or crystal glass
- Smash-proof cylinder key lock standard equipment
- Available in 2 and 4-panel units, in widths from 6 to 16 feet, in heights to 8 feet
- Available assembled and glazed

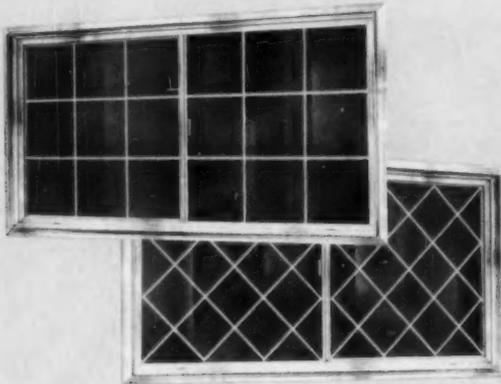


**CAPITOL PRIME SLIDING WINDOWS**

- Features exclusive spring latch... simple, trouble-free
- Positive air-tight, weather-tight seal around entire sash... 10 times tighter than minimum AWMA standards
- Easy sliding action... stainless steel track, nylon guides at head
- Reinforcing center bar prevents sagging or bowing of sill
- All corners, inside and out, are heliarc welded... helps keep windows square. No flashing needed
- Wrap-around vinyl seal simplifies reglazing
- Unique mull can be used for either horizontal or vertical mulling
- Available for wood buck, fin trim or masonry installation
- Combination storm sash and screens, removable from inside, are available

**CAPITOL'S  
INTEGRATED  
FACILITIES:**  
from molten metal  
to finished product





*New!*

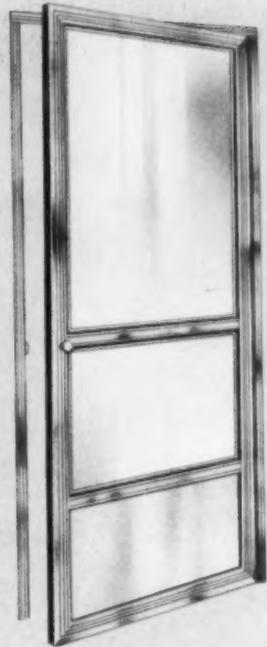
### CAPITOL ORNAMENTAL GLASS

- Adds new attractiveness and versatility to the Capitol prime sliding window
- Special process puts a permanent pattern on the pane itself—in rectangular or diamond-lites
- Adapts modern aluminum windows to a wide variety of architectural applications

*New!*

### CAPITOL PRE-HUNG STORM DOOR

- Saves up to 75% on installation
- Set in heavy master Z-bar frame, completely predrilled for easy installation
- No chance for costly errors in installation. No skilled labor required
- Same quality in design, engineering and manufacture that made Capitol the world's largest manufacturer of aluminum doors
- Complete with weatherstripping, inserts and all hardware

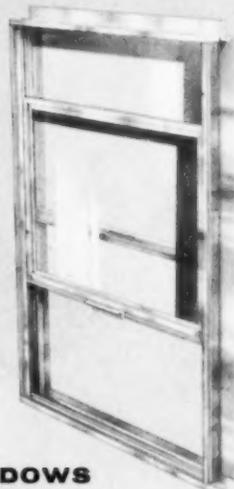


### CAPITOL AWNING-TYPE WINDOWS

- Double vinyl weatherstripping provides outstanding weatherseal—8 times tighter than minimum AWMA standards
- Heavy aluminum extrusions prevent racking during installation
- Concealed hardware
- All nylon bushing in operating arms prevents metal-to-metal contact
- Compound offset operator eliminates sill interference
- Rigid snap-in glazing beads simplify reglazing
- Most easily adaptable awning window for home modernization—fits 1" x 2" uprights
- Meets requirements of fire codes in all states
- Available for wood buck or fin trim installation

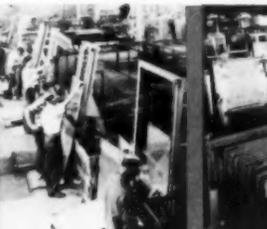
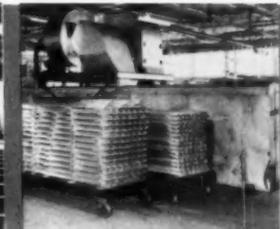
**THE EXCLUSIVE SPRING LATCH\*** automatically releases when window is raised, locks securely on closing. Simple . . . and fool-proof.

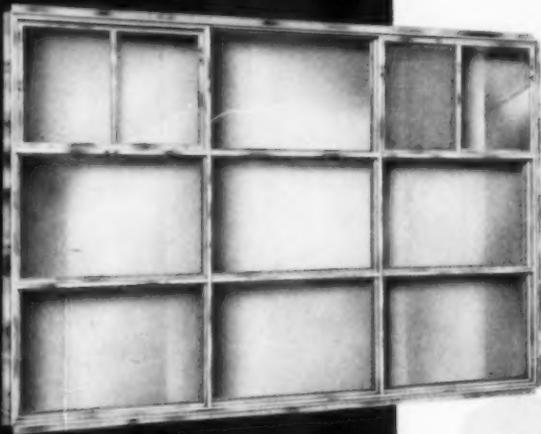
*\*Patent Pending*



### CAPITOL SINGLE HUNG WINDOWS

- Rigid center bar prevents deflection of jamb, keeps window square
- Smooth, trouble-free operation, with unique, adjustable balance
- Clean, uncluttered lines . . . maximum glass area
- Completely weathersealed around entire perimeter . . . 10 times tighter than minimum AWMA standards
- Wrap-around vinyl seal on moving panel cushions glass, simplifies reglazing
- Unique mull can be used in all assembly combinations
- Available for wood buck or fin trim installation





### CAPITOL WINDOW WALLS

- Strong, rigid frame . . . hollow aluminum extrusions for extra strength • Designed for maximum glass area
- Entire surround is of same design to allow adding sections without using additional materials • Horizontal mullion bars interchangeable • Will not flex or rack out of shape in installation • Draft proof, completely weather sealed • Easy operation of sliding sections
- Economically priced

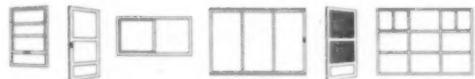
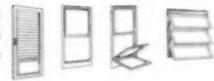


CAPITOL . . . a single source,  
singular service for ALL your  
aluminum doors and windows!



Mechanicsburg, Pa.

ROLLING GLASS DOORS • PRIME WINDOWS  
• WINDOW WALLS • COMBINATION STORM  
DOORS, WINDOWS, SCREENS • JALOUSIES •  
EXTRUSIONS

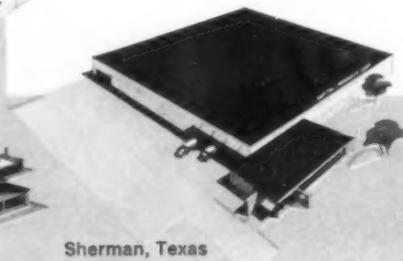


York, Pennsylvania

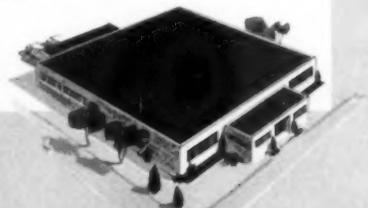
**CAPITOL PRODUCTS CORPORATION**  
Mechanicsburg, Pennsylvania



New Oxford, Pennsylvania

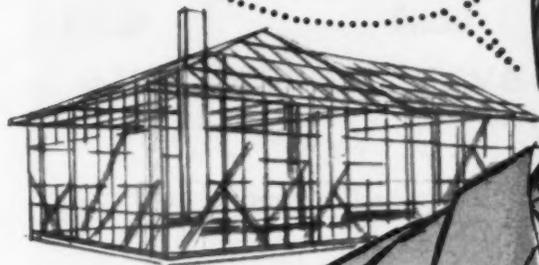


Sherman, Texas

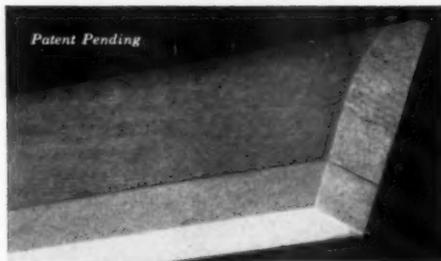


Hazleton, Pennsylvania

*Builders, remodelers  
cut labor, save time*



with **FOAMFLEX®**  
**DOORSTRIP**



*Patent Pending*

VINYL FOAM BONDED TO WOOD  $\frac{1}{4}$ " x  $\frac{5}{8}$ "  
CLEAR BEVELED MOLDING

Pre-cut lengths speed installation, cut labor costs, eliminate waste; installs in just minutes with saw, hammer and nails. Just cut to size and nail. No unsightly metal parts. Foamflex becomes an attractive part of any door frame or casement window.

Foamflex is completely airtight, waterproof, weatherproof. Silences closing doors, makes air conditioning more efficient. Will not absorb moisture—will not freeze. Stays flexible at 50 below zero. Can be painted over without hardening. Molds to warped and uneven surfaces.

Packaged in two 7' lengths and one 3' length, plus package of nails. This unequaled weathertight seal, amazingly simple and practical as it is, sells for much less than ordinary door seals!

**JW Mortell**  
COMPANY

Since 1895 Technical Coatings For Home and Industry  
DETROIT, MICHIGAN • KANKAKEE, ILLINOIS • LYNDHURST, NEW JERSEY  
Available at your hardware or building supply dealer.



# Bayley

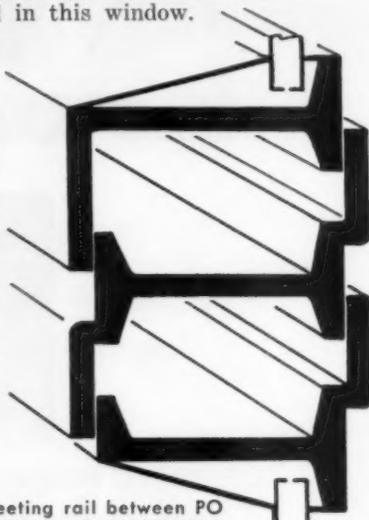
## Steel Heavy Intermediate PROJECTED WINDOW

A Better Value in Commodity

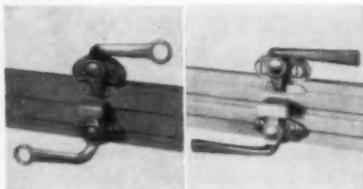
Sizes, available for quick shipment

Featuring one-piece solid hot-rolled sections assembled by machine welding, this Bayley Steel Heavy Intermediate Projected Window offers you a window that exceeds industry standards. It retains the time-proven advantages of Bayley section design plus new shape and weight characteristics, hardware and fabrication details that result in greater strength, better weathering and maximum freedom from upkeep—an extraordinary dollar value in window service and operating qualities. The features listed below readily reflect the Bayley window engineering experience and modern manufacturing methods embraced in this window.

- 3.5 lbs. per foot weight of ventilator frame and jamb
- Sections (one-piece) 1½", 1⅝" and 1¾" deep—with wide parallel double-contact weathering rolled integrally
- Joinery—machine welded and finished
- Outside glazed—accommodates ½" insulated glass
- Wide triple-contact brass friction shoes assure smooth operation of ventilators



Meeting rail between PO and PI Ventilators FULL SIZE



Left: Steel handle fastener, lacquered (standard)

Right: Bronze handle fastener (at extra cost)

Bayley Projected Windows  
also available in aluminum

Meets  
STEEL WINDOW  
INSTITUTE'S  
Specifications



WRITE  
for details  
and prices



### THE WILLIAM BAYLEY CO.

Springfield, Ohio

District Sales Offices: Springfield • Chicago • New York • Washington



## LET ROLSCREENS SELL "THE LIVING DIFFERENCE" IN YOUR HOMES

These roll-up, roll-down screens tell prospective homeowners you have built something special into the home you are showing.

Exclusive ROLSCREEN time-saving, work-saving advantages demonstrate themselves at a touch of the operator bar.

Besides screens that roll up and down like window shades, PELLA WOOD CASEMENT WINDOWS offer self-storing "storms" to put a final end to seasonal window chores.

Those who already know PELLA advantages

are more easily sold on the quality of the entire house.

Those who are introduced to PELLA WOOD CASEMENT WINDOWS for the first time recognize the permanent value of "The Living Difference."

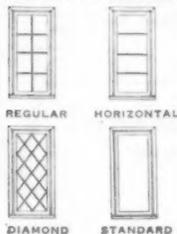
Find out today how nationally advertised PELLA WOOD CASEMENT WINDOWS can make home sales easier for you. For nearest PELLA distributor, see the classified telephone directory . . . or mail coupon.



### REMOVABLE MUNTIN BARS

Cut Painting Time,  
End Washing Troubles  
for Homeowners

ONE WINDOW . . . FOUR  
DIFFERENT APPEARANCES



.....

• **ROLSCREEN COMPANY**, Dept. KB-24, Pella, Iowa

• Please send literature on PELLA WOOD CASEMENT  
WINDOWS.

• \_\_\_\_\_

• NAME \_\_\_\_\_

• FIRM NAME \_\_\_\_\_

• ADDRESS \_\_\_\_\_

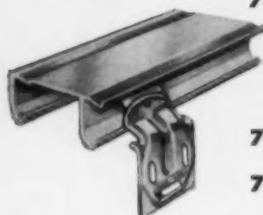
• CITY & ZONE \_\_\_\_\_ STATE \_\_\_\_\_

• .....

# HAR-VEY sliding and folding door Hardware is the answer to all your interior door needs

## SLIDING DOOR HARDWARE

### CHALLENGER LINE FOR DOORS UP TO 70 LBS. NON-FACIA TRACK



#### 707 SERIES

For 3/4" or 1 1/4" doors reduce your handling and inventory costs by using just one packaged set for both 3/4" and 1 1/4" sliding doors. Comes complete in easy-to-handle Handi-Pak.

#### 722 SERIES

For 3/4" Doors in Handi-Pak.

#### 733 SERIES

For 1 1/4" Doors in Handi-Pak

### FACIA TRACK



#### 735 SERIES For 3/4" Doors

#### 736 SERIES For 1 1/4" Doors

Comes in complete Handi-Paks. Contains everything you need for quick, easy installation, including pulls.



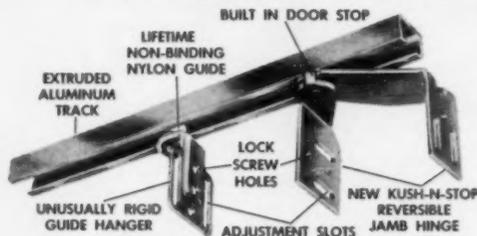
## FOLDING DOOR HARDWARE

### NEW "B" LINE SLIDE-A-FOLD HARDWARE

New Har-Vey jamb hinge rigidly supports the door's entire weight. Single top track serves only as a guide, assuring a lifetime of smooth, effortless operation. Units come in useful Handi-Paks . . . one box to one opening. Contains everything to complete the job.

### HOW TO ORDER "B" LINE HANDI-PAKS

FOR 2 DOORS (type BSF-1)		FOR 4 DOORS (type BSF-2)	
Catalog Nos.	Door sizes	Catalog Nos.	Door sizes
B-SF1-24	2—11 3/4" Doors in 2'6" opening	B-SF2-48	4—11 3/4" doors in 4' opening
B-SF1-30	2—14 3/4" doors in 2'6" opening	B-SF2-60	4—14 3/4" doors in 5'0" opening
B-SF1-36	2—17 3/4" doors in 3'0" opening	B-SF2-72	4—17 3/4" doors in 6'0" opening



### How to order and specify "Challenger" Handi-Paks

SINGLE POCKET DOOR	Packaged Set No.			
	3/4" Doors		1 1/4" Doors	
	711 Series	721 Series	731 Series	741 Series
For 2'-0" Pocket Doors	A-711-4	A-721-4	A-731-4	A-741-4
For 2'-6" Pocket Doors	A-711-5	A-721-5	A-731-5	A-741-5
For 3'-0" Pocket Doors	A-711-6	A-721-6	A-731-6	A-741-6

BY-PASSING DOORS	3/4" Doors		1 1/4" Doors		3/4" or 1 1/4" Doors
	722 Series	735 Series	733 Series	736 Series	
	For two 2'-0" Doors	C-722-4	C-735-4	C-733-4	
For two 2'-6" Doors	C-722-5	C-735-5	C-733-5	C-736-5	C-707-5
For two 3'-0" Doors	C-722-6	C-735-6	C-733-6	C-736-6	C-707-6
For two 4'-0" Doors	C-722-8	C-735-8	C-733-8	C-736-8	C-707-8
For three 2'-0" Doors	D-722-6	D-735-6	D-733-6	D-736-6	
For three 2'-8" Doors	D-722-8	D-735-8	D-733-8	D-736-8	

NOTE: For bi-parting doors use 2 single pocket sets.

### CHAMPION LINE FOR DOORS UP TO 100 LBS. TRACKS AND HANGERS ARE INTERCHANGEABLE



**FW-6AH BRASS HANGER**  
Top Mounted Adjustable All Non-corrosive Hangers

**FW-6H BRASS HANGER**  
Top Mounted Non-Adjustable All Non-corrosive Hangers

**FW-6TO Single Track**

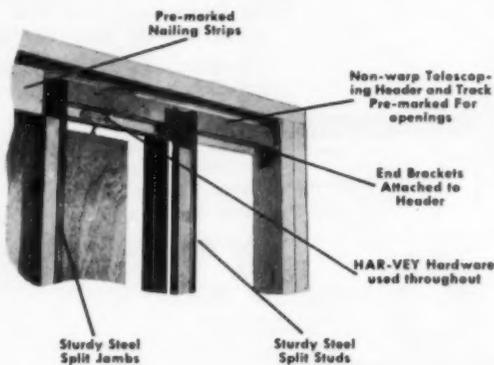
**FW-6DTL Double Track**

Write for complete information and illustrated catalogs  
**AMERICAN SCREEN PRODUCTS COMPANY**  
 World's largest manufacturer of Aluminum Screens  
 General Offices: 61 East North Avenue  
 Northlake, Illinois  
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## POCKET DOOR FRAME

### NEW HAR-VEY HANDI-FRAME

One Pocket Door Frame fits all sizes of doors from 2'0" to 3'0" wide, by 6'6" to 6'8" high.



Sturdy Steel Split Jamb

Sturdy Steel Split Studs



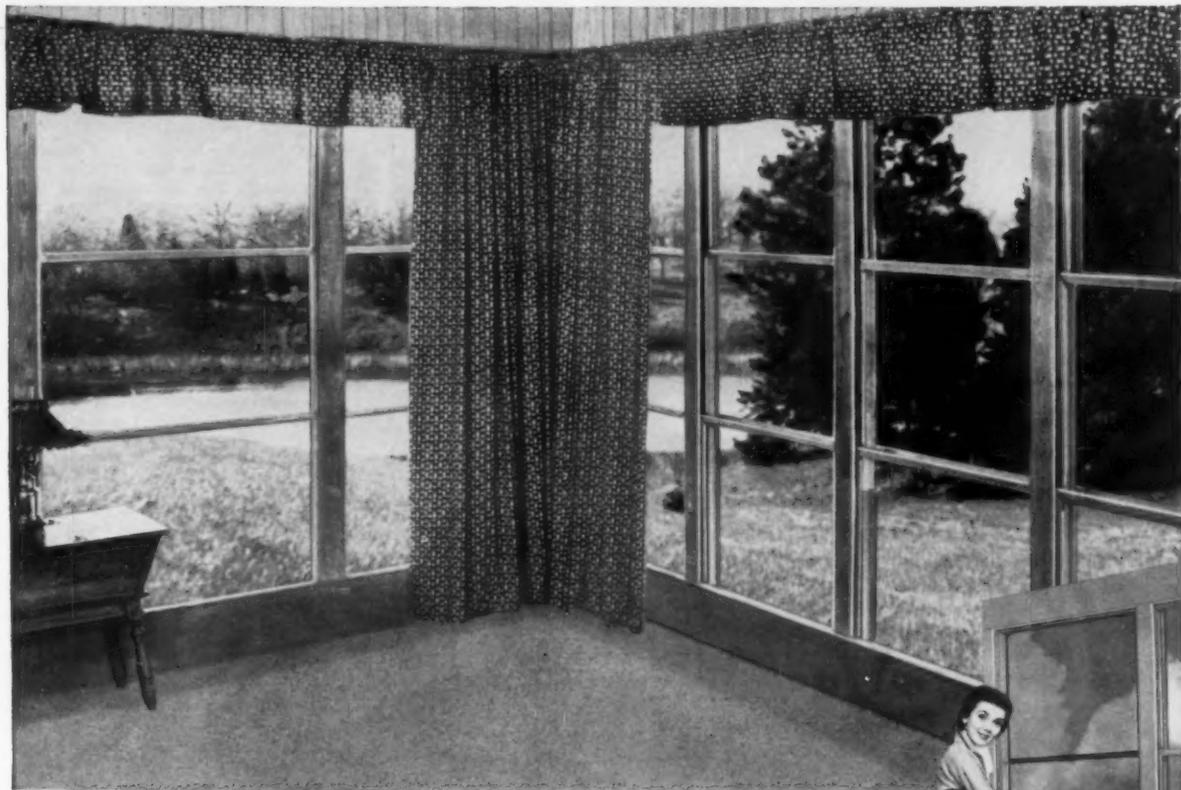
World's largest manufacturer of window screens

**HOMESHIELD**  
SCREENS

**How to make big profits on the "extra room" boom...**

**a unique idea made possible by a unique product...**

# Sell the DeVAC GlassWalls Convertible Family Room!



Convert porches, breezeways, patios . . . build from the ground-up. Either way, DeVAC GlassWalls give you the ideal answer to the tremendous demand for extra rooms. Remodeling and new construction clients both will be delighted with this exciting idea in living . . . added space that's cozy as any living room one minute . . . wide open and breezy as a summer porch the next—and at lower cost than a conventional room.

Only DeVAC GlassWalls have three sliding glass panels for zone-controlled ventilation. This, and other unique features, give you exclusive selling points. Full-length Fiberglas screens are included as part of the GlassWalls unit. Extruded from high-grade, heavy duty aluminum, anodized to resist rust and corrosion, precision engineered for trouble-free operation, DeVAC GlassWalls give lasting satisfaction.

**THEY OPEN UP!**

With DeVAC GlassWalls you can enclose your porch or breezeway without sacrificing summer-porch pleasure. Only DeVAC gives you three sliding panels for directional control of ventilation. See diagram at bottom of page.



## DeVAC, inc.

5900 WAYZATA BOULEVARD, MINNEAPOLIS, MINN.

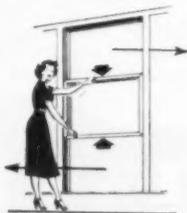
**Only DeVAC GlassWalls have three sliding panels for zoned control of ventilation**



All panels at top—ventilation below head level.



All panels at bottom—draft is off your feet.



Panels all at center—creates "thermo-air" circulation.

**MAIL FOR FREE LITERATURE**

DeVAC, inc. Dept. AB-4  
5900 Wayzata Boulevard, Minneapolis, Minnesota

Write for complete details on DeVAC GlassWalls and the complete line of quality DeVAC windows, doors and special products. Please Check:

- Architect       Contractor  
 Dealer           Other \_\_\_\_\_

CLASSIFICATION

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ADDRESS \_\_\_\_\_

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



## This New Door Guide Can Cut Costs at Every Opening!

Write today for this complete up-to-the-minute information on:

**KINNEAR Steel Rolling Doors** — with the coiling upward action of the famous interlocking-steel-slat curtain (originated by Kinnear). They save space, save time, provide all-metal protection.

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**KINNEAR Rol-Top Doors** — Sectional doors (wood or all-steel) available paneled for glass in any number of sections.

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ROLLING DOORS  
Saving Ways in Doorways

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**Balsa Core Panels** are the subject of a kit-form catalog including specifications of the material and a description of properties and uses. A core for structural sandwich panels is described. Balsa Ecuador Lumber Corp.

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KEEP COSTS DOWN—  
ADD SALES APPEAL  
TO YOUR HOMES

# ALUMINUM WINDOWS

*Cupples*  
**Single-Hung**

**WITH INTEGRAL FIN TRIM**



Made to high standards of design and construction, Cupples Single-Hung Windows meet with quick acceptance everywhere. They're adaptable, easy to install, economical.

With Cupples Single-Hung Aluminum Windows in your homes you make selling easier, please your customers and add to your profits. Why not investigate today?

Cupples, one of the nation's foremost aluminum fabricators, also manufactures a complete line of double-hung, case slide and horizontal sliding windows. Every Cupples window is backed by our unqualified guarantee. *You must be satisfied. Your customers must be satisfied.*

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Cupples Single-Hung Aluminum Windows are stronger, more rigid. Silent, finger-tip operation. Weather stripped with Schlegel Cloth (high pile fabric in metal binder). Dust and draft-free. Never bind or stick. Never need painting.

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Perfect for new homes, remodeled older homes, light commercial buildings. Endorsed by architects and builders.

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Available in all popular sizes and styles, including picture windows.

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(Continued on page 278)

# American GLASS PRODUCTS



## American Lustraglass and Lustracrystal Sheet Glass

(Lustraglass—single and double strength)(Lustracrystal— $\frac{3}{16}$ " ,  $\frac{7}{32}$ " ,  $\frac{1}{4}$ " )

1. **Superiority**—Clearest, whitest, most transparent sheet glass made. Less distortion. More luster. No additional cost.
2. **Tolerances**—See table of exacting tolerances at right.

STRENGTH TYPES	MAX. SIZE		THICKNESS—INCHES			LBS. PER SQ. FT.
	Width	Length	Min.	Av.	Max.	
Single	130 united inches#		.087	.091	.095	1.183
Double	140 united inches#		.121	.125	.129	1.625
$\frac{3}{16}$ "	84"	120"	.187	.193	.199	2.509
$\frac{7}{32}$ "	84"	120"	.212	.218	.224	2.834
$\frac{1}{4}$ "	84"	120"	.240	.248	.256	3.224

#United inches equals length plus width.

3. **Economy**—Architects and builders are specifying and using AMERICAN LUSTRACRYSTAL where suited, instead of more costly plate glass, to save many "glass dollars." Note comparison table at right, showing LUSTRACRYSTAL advantages.

### COMPARISON $\frac{1}{4}$ " American Lustracrystal TO $\frac{1}{4}$ " PLATE GLASS

	LUSTRACRYSTAL	PLATE
Clarity (visible light transmission) . . . . .	GREATER	LESS
Clarity (ultraviolet transmission) . . . . .	"	"
Strength (impact) . . . . .	"	"
Strength (constant pressure) . . . . .	"	"
Strength (surface abrasion) . . . . .	"	"
Luster . . . . .	"	"
Distortion . . . . .	"	"
Economy . . . . .	"	"



## American Lustragray Glare Reducing Sheet Glass

advantages:

- Reduces sun glare 50%, minimizing eyestrain and fatigue
- Reduces heat transmission
- Provides exterior privacy and interior "clear glass" vision
- Makes permanently attractive appearance
- Is economical

	D.S.	$\frac{3}{16}$ "	$\frac{7}{32}$ "	$\frac{1}{4}$ "
Total Visible Light Transmission . . . . .	71.1%	61.8%	58.8%	55.0%
Total Incident Infrared . . . . .	79.2%	73.4%	71.7%	68.5%
Total Solar Radiation . . . . .	75.5%	68.9%	66.3%	63.1%

For maximum size, thickness, pounds per square foot, etc., see corresponding sizes in Table at top. For Lustragray widths, change 84" to read 72".



AMERICAN glass products are now available through more than 500 glass jobbers. Check your classified telephone directory for listing.

WSW 6095-D

### AMERICAN WINDOW GLASS DIVISION



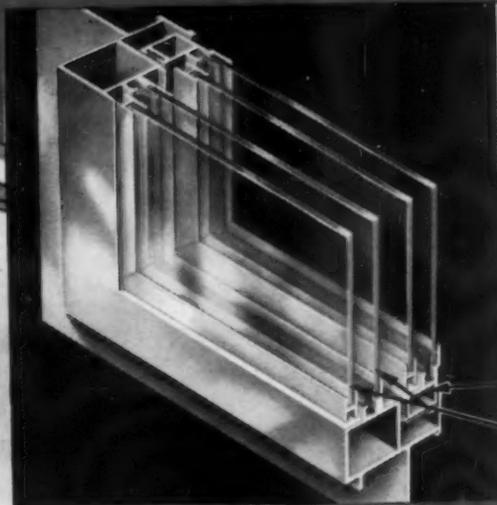
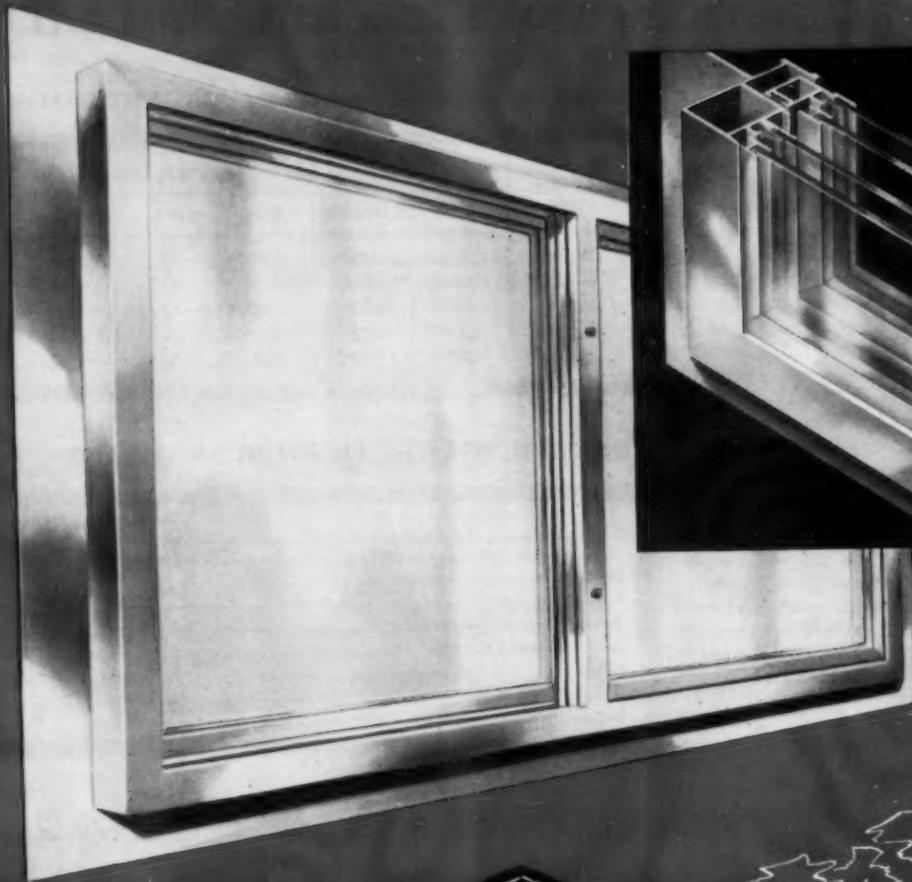
### AMERICAN-SAINT GOBAIN CORPORATION



General Offices: FARMERS BANK BUILDING • PITTSBURGH 22, PA.

AMERICAN-SAINT GOBAIN CORPORATION is a merger of the former American Window Glass Company, Pittsburgh, Pa., and the former Blue Ridge Glass Corporation, Kingsport, Tenn. (which was a wholly-owned subsidiary of Saint-Gobain of Paris, France). American Window Glass Division plants are located in Arnold, Jeannette, Ellwood City, Pa.; Okmulgee, Okla. Blue Ridge Glass Division plant is located in Kingsport, Tenn.

# Amazing New Winter



View shows window in completely opened position.



*There is a Winter Seal window or door for every building need—*

# Seal Slide Master "500"

Slide Master "500" is not just another Aluminum Prime Window. These new design and engineering features offer a better looking, more durable, trouble free window, at a new low price level. Winter Seal engineering competence and production know-how have made Slide Master "500" the greatest prime window value ever offered.

**Rugged "tubular" construction** found only in the most expensive windows is yours at an economical price. Installation is quick and easy. Service call backs become things of the past.

**Double Glazing** at less cost than most single glazed windows. Insert is easily removed for quick cleaning.

There is no window on the market to compare with Slide Master "500" in features or in price. This all tubular constructed window is completely weather-stripped and features patented nylon hardware. Absolutely no binding because Slide Master "500" has no metal to metal contact.



*for every building budget*

**WINTER SEAL CORPORATION**  
14575 Meyers Road, Dept. AB-4  
Detroit 27, Michigan

Gentlemen:

I would be interested in receiving complete information on the amazing new Slide Master "500."

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Address \_\_\_\_\_

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

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# FRANTZ GARAGE DOORS

**SOLD BY more LUMBER AND BUILDING  
SUPPLY DEALERS THAN ANY OTHER**

## And Here's Why

- 1** Pre-bored and pre-fitted for fast on-the-job assembly. Diagrammed instructions.
- 2** Fully adjustable springs for feather-touch operation.
- 3** Finest hardware, including chrome plated handle. Wood Sections are Frantz crafted.

*Thousands of installations prove*—Frantz Doors deliver more features, more value, greater sales appeal, for both builder and home owner.

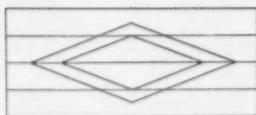
*Greater choice from one source*—sectional type or rigid, extension spring or torsion spring, for residential, commercial, and industrial use. Over 100 sizes, types, styles.

*Faster installation, easier operation*—thanks to Frantz' exclusive features.

No wonder more builders are asking for Frantz doors at their Lumber and Building Supply dealers.



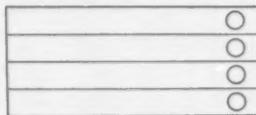
6'x7' No. 400



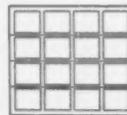
16'x7' (Molding not included)



16'x7' No. 406



16'x7' F227 with Glass Inserts



6'x7' No. 200

**FRANTZ MANUFACTURING COMPANY, STERLING, ILLINOIS**

## Cut installation time IMMEDIATE DELIVERY in half!

### COMPLETE PRE-ASSEMBLED SET

Includes aluminum jamb cover, steel flocked spring balances, spring covers. COVERS RIVETED PERMANENTLY.

One piece for each side of double hung window! Just fasten the sash and the job is done. Installation time is half! Speeds window production, too! Increases profits! Complete range of sizes for all frame openings!

Gives silent dependable operation plus tightest possible seal. Check with us today for prices.

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WITH  
*Pre-assembled*  
**CENCO**  
AND  
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4343 N. WESTERN AVENUE • CHICAGO 18, ILLINOIS • JU niper 8-8036



### Sliding Glass Doors Hurricane Tested

Here's proof of performance . . . in recent tests the Fleetlite Exterior Sliding Glass Door not only kept air infiltration to a minimum but completely blocked simulated hurricane-force rains of 2" per hour at wind velocities up to 100 mph.

Fleetlite Sliding Doors combine an adjustable top-hung track with a "J" design double sill, inverted sill cap and double weatherstripping to provide the tightest possible seal against driving rain, melting snow and wind-blown dust.



"J" Design  
Double Sill

Available in thirteen styles and a wide range of sizes.

Also Fixed Sash with matching glass sizes and sight lines. Write for catalog. Fleet of America, Inc., Dept. AB-49, 2015 Walden Ave., Buffalo 25, N. Y.

**NOW—A QUALITY STEEL DOOR FRAME YOU CAN  
INSTALL IN LESS THAN 5 MINUTES!**

# kewanee UNIVERSAL "Kwik-Fit"

MADE UNDER PAT. NO. 2,835,933 AND CANADIAN PAT. NO. 563,915

**FOR SWING, SLIDING OR  
FOLDING DOORS**

**(INSTALL OVER DRYWALL)**

... equal in beauty to the finest wood trim (looks like ranch-trim), plus the durability and labor-saving advantages of steel.

- Jamb, stop and trim formed into a complete frame.
- Packaged ready for installation — embossed for hinges and complete with strike plate, dust box and rubber bumpers for silent door operation.
- Made of high grade bonderized galvanized steel.
- Sturdy, snug fitting and easy to paint.



Lock into place by turning screw at top of strike jamb (patented assembly).

**INSTALLATION IS EASY . . .**



Snap hinge jamb over stud and wallboard. Snap header into opening with hinge jamb. Install strike jamb same as hinge jamb.



Nail bottoms of jambs at strap anchors . . . only 4 nails required (baseboard covers strap anchors).

**OTHER KEWANEE STEEL DOOR FRAMES**  
PLASTERITE: install before plastering  
"KWIK-FIT": install over drywall

**OUR 40th YEAR MAKING QUALITY BUILDING PRODUCTS**

ARCHITECT HARRY J. GUINN

**FHA  
VA**

HOME Values  
of  
DISTINCTION

**Pacesetter Park**

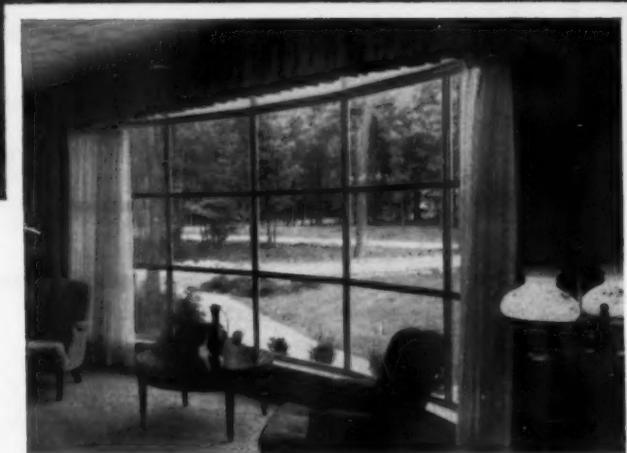
**200 - HOME - BUILDER FEATURES KEWANEE UNIVERSAL "KWIK-FIT" STEEL DOOR FRAMES**

"The best fitting door frame we've run into," says Wm. Edwards, construction supt. "No cracks, splits or nail holes . . . fits tight against drywall. A really fast installation."  
(Photos shown were taken at Pacesetter Park, So. Holland, Illinois.)

SEE YOUR DEALER OR WRITE TO

**kewanee** *Manufacturing Co.*  
459 WILLSON AVE. Kewanee, ILL.

"I wouldn't build a home without TWINDOW



**TWINDOW** is adaptable to traditional as well as modern styles. This bay window was constructed of 15 lights of **TWINDOW**—Glass Edge units set in Maco-craft aluminum sash.

throughout”

says Howard R. Byers,  
Byers and Stein,  
Fort Wayne, Indiana



William Stein

**BYERS AND STEIN** build about 10 custom homes a year in the Fort Wayne area at prices ranging from \$30,000. Because they put strong emphasis on quality, the inclusion of **TWINDOW** is only natural. They say that the quality-influence of **TWINDOW** carries over to other features of the house and adds to its salability.

Mr. Byers has very definite opinions of the value of **TWINDOW**. He says: "I wouldn't build a home without **TWINDOW** throughout. **TWINDOW** is just as important as the use of wall and roof insulation, if a builder really wants to build a quality home." Mr. Byers concludes: "I am one builder who is completely sold on **TWINDOW**."

Mr. Byers' customers recognize **TWINDOW** as a mark of a quality home, and yours will, too. From the practical standpoint, you can demonstrate that savings in fuel and air-conditioning costs more than pay for the additional cost of **TWINDOW**.

We invite you to write for our free booklet on **TWINDOW**. It is filled with valuable information on sales points, handling and installation. Write to Pittsburgh Plate Glass Company, Room 9138, 632 Fort Duquesne Blvd., Pittsburgh 22, Pennsylvania.

#### TWO TYPES OF TWINDOW



**TWINDOW—METAL EDGE.** This type is ideal for large windows and where maximum insulation is needed. It's made up of two panes of  $\frac{1}{4}$ " clear-vision Plate Glass, with a  $\frac{1}{2}$ " sealed air space between. Its stainless steel frame, a **TWINDOW** feature, eliminates bare edges . . . makes handling safe, quick and easy.



**TWINDOW—GLASS EDGE.** This type is just the thing for modern window-wall construction. Having exceptional insulating properties, it is constructed of two panes of  $\frac{1}{4}$ " **PENNVERNON**® — the quality window glass — with a  $\frac{1}{8}$ " air space between. **TWINDOW—Glass Edge** units are available in popular sizes for a variety of window styles.

# TWINDOW®

... the windowpane with insulation built in



PAINTS • GLASS • CHEMICALS • BRUSHES • PLASTICS • FIBER GLASS

PITTSBURGH PLATE GLASS COMPANY

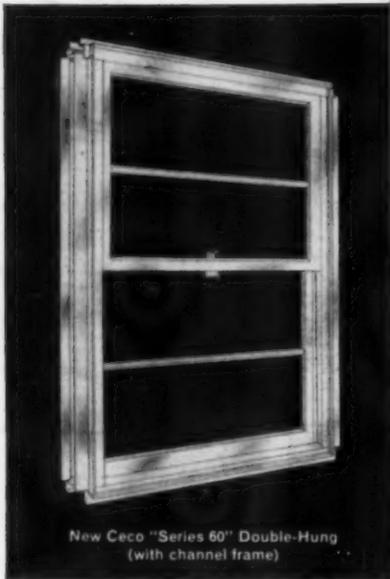
IN CANADA: CANADIAN PITTSPURGH INDUSTRIES LIMITED



**CECO WINDOWS**—THE LINE DESIGNED WITH THE BUILDER IN MIND

**THE "AYES"**

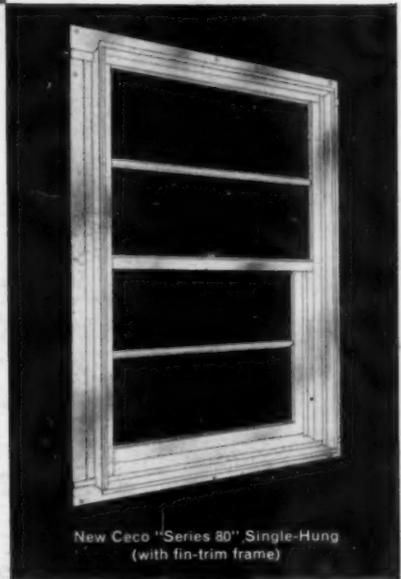
**HAVE IT**



New Ceco "Series 60" Double-Hung  
(with channel frame)



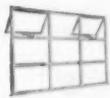
New Ceco "Series 70" Double-Hung  
(with fin-trim frame)



New Ceco "Series 80" Single-Hung  
(with fin-trim frame)

**Ceco's New Custom Quality Residential Windows Meet Customer Demands/P.S.—PRICED SENSIBLY**

It takes a company with vast engineering and research resources to offer *truly custom quality windows* at production line manufacturing costs. And that's what Ceco gives you in its 3 great aluminum windows. You get silent operation, performance, precision weathertightness and smooth fingertip operation. Reason: Sash are counterweighted with even-tensioned spiral balances and are cushioned with pre-tested silicone-treated wool pile weatherstripping. Small wonder home owners want these better engineered windows. Builders appreciate the easy installation. Series 70 and 80 have the labor saving fin and trim integrally extruded into the frame. In series 60 with channel frame, fast and positive anchorage is assured. See Ceco, manufacturers of the most complete line of steel and aluminum windows in the USA. P.S.—priced sensibly. Ceco Steel Products Corporation—offices, warehouses and fabricating plants in principal cities—general offices: 5601 W. 26th St., Chicago 50, Ill.



Window-Walls



Casements



Sliding Windows



Basement Windows



Double-Hung Windows



Picture Windows



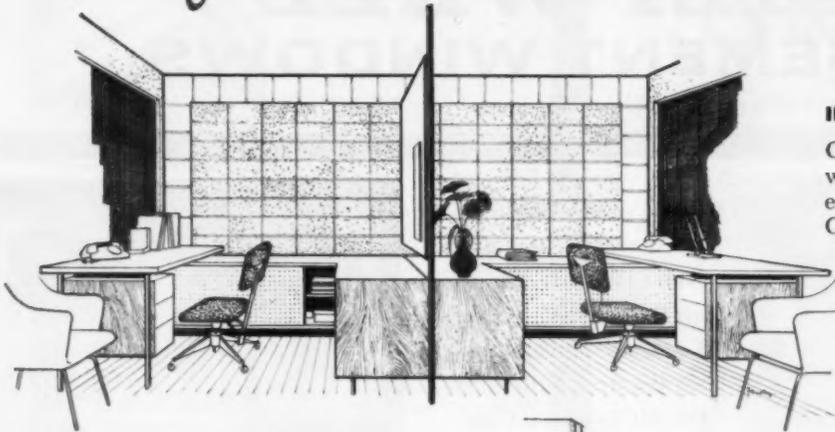
Hopper-Vent Windows



Awning Windows

**CECO  
STEEL**

# 10 new design ideas in Owens-Illinois Glass Block — featured in new booklet!

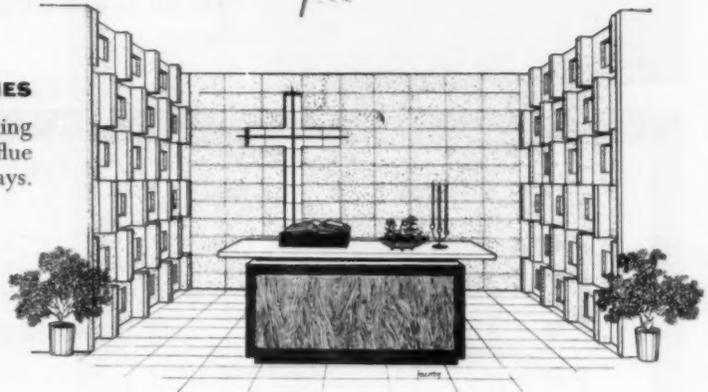


### INDUSTRIAL BUILDINGS

Good daylighting plus maximum wall area—achieved by bordering each office area with Owens-Illinois Glass Block.

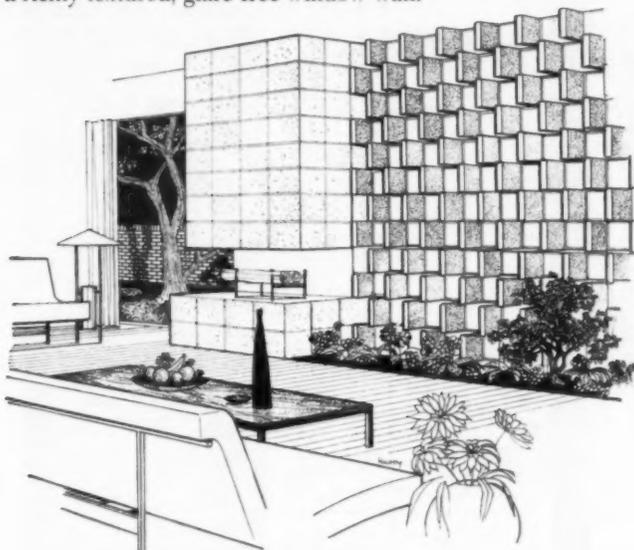
### CHURCHES

Glass Block, set into an interesting pattern of concrete masonry and flue block, softly diffuse the sun's rays.



### LIVING ROOMS

A wall of Glass Block, studded with finlike concrete masonry units, creates a richly textured, glare-free window wall.



KIMBLE GLASS COMPANY  
subsidiary of Owens-Illinois  
Dept. AB-4, Toledo 1, Ohio

Please send free booklet, "IDEAS UNLIMITED" prepared by Kimble Glass Company, a subsidiary of Owens-Illinois, and the National Concrete Masonry Association.

NAME \_\_\_\_\_  
 POSITION \_\_\_\_\_  
 COMPANY \_\_\_\_\_  
 ADDRESS \_\_\_\_\_  
 CITY \_\_\_\_\_ STATE \_\_\_\_\_

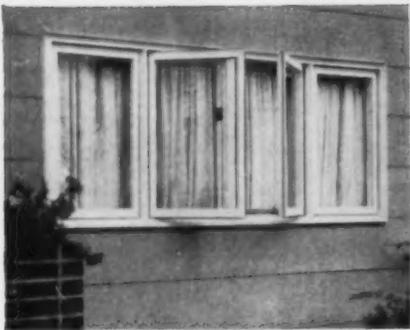
OWENS-ILLINOIS GLASS BLOCK  
AN **I** PRODUCT

**OWENS-ILLINOIS**  
GENERAL OFFICES • TOLEDO 1, OHIO

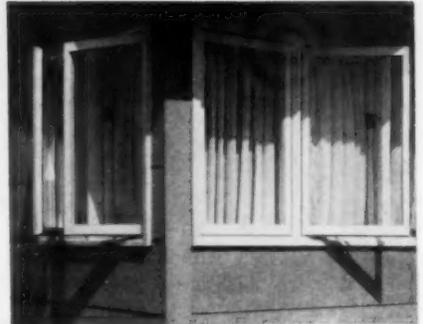
Trim...Modern...Weathertight

# BILT-WELL CASEMENT WINDOWS

Pack Selling Punch for You!



Every wanted feature in a casement is found in BILT-WELL. Many are found nowhere else! Look at the value designed and built into the BILT-WELL Casement!



'N' SERIES						'W' SERIES						'X' SERIES								
MO 1.00" EG 1.00"		3.00"	4.00"	7.00"	8.00"	MO	MO 2.00" EG 2.00"		4.00"	6.00"	8.00"	10.00"	MO	MO 3.00" EG 3.00"		4.00"	7.00"	9.00"	12.00"	MO
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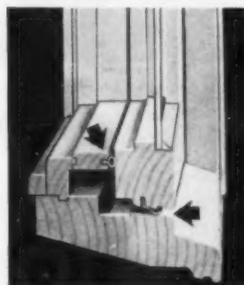
Concealed Hinges

**Exclusive!** Concealed hinges that cannot be tampered with from outside, give the window a neat, uncluttered appearance that is easy to maintain and free of exposed hardware.



Unitized Sill

**Exclusive!** Unitized sill for speedy, economical installation makes it possible to place individual units side by side in long, continuous ribbons. You can have unlimited combinations of all 15 sizes of BILT-WELL picture units and any number of any size flankers on either side of the picture unit.



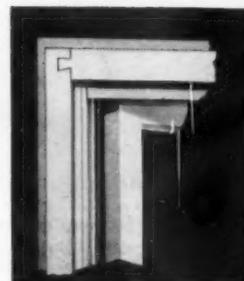
Weatherstripping

**Exclusive!** Double weatherstripping that cuts heating and cooling costs as much as \$2.20 per year per window. Two complete, independent systems insure a perfect seal against dust and air infiltration. Outer weatherstrip is stainless steel (18-8 type 302) applied in one plane. Inner weatherstrip is tubular premium grade vinyl.



90° Window Opening

The BILT-WELL Casement opens to a full 90° for maximum ventilation and easy access to both sides of the glass for easy cleaning.



Dovetail Construction

Dovetail construction for maximum strength—all four vital points of the frame are securely fastened together by dovetailed joints to provide maximum strength and rigidity. Prevents water leakage, assures maximum durability.



## BILT-WELL's Famous *Super 7* Double Hung Removable Window



This popular window is winning friends right across the country. Weathertight, with flat overhead balances and sash removable from either side for ease in cleaning. Look at the 7 points of BILT-WELL Super 7 superiority:

**Easily Removable**—Sash quickly removed from either side, without sacrificing weathertightness.

**Unitized**—Sill design facilitates groupings.

**Counterbalanced**—Flat overhead balances guaranteed for life of the unit. No cocking or sticking. Completely safe, smoother operation.

**Weatherstripped**—Completely weatherstripped. Patented stainless steel jamb-liner. Head sill and check rail anodized aluminum alloy weatherstrip.

**Durable**—All wood parts, water-repellent preservative pressure treated in strict accordance with NWMA requirements. Jambes are 1 1/16" thick and sill 1 3/8" thick.

**Standardized**—Fits all standard walls—brick veneer, solid masonry and wood stud walls with 3/4" lath and plaster, 1/2" or 3/8" dry wall and with either 1/2" or 25/32" sheathing.

## BILT-WELL Woodwork

Manufactured since 1866 by

**CARADCO, INC.**

Formerly Carr, Adams and Collier Company  
DUBUQUE, IOWA

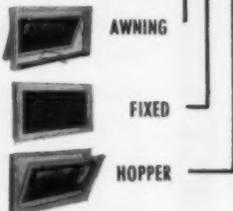
# BILT-WELL

## Awning Units

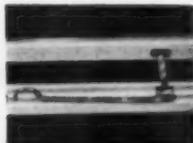
Offer unlimited window arrangements!



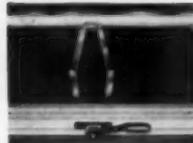
Add variety and distinction to your homes with versatile BILT-WELL Awning Windows. Use as awning, hopper or fixed units, or in combination with picture sash. Look at these features:



### Widest Choice of Operating Mechanisms



Jointed bar operator



Lever operator



Rigid bar operator

Completely rolled-in anodized aluminum weatherstripped top and bottom of sash and sides of frame.

Easy to clean. Exclusive detach arrangement allows scissor arms or bar arm to be instantly detached from sash for easy cleaning of all glass area from inside.

Simple Reglazing. Sash is built around the glass. No putty to fall out. Special wood moulding scored for easy removal with knife in case of glass breakage can be replaced after reglazing.

Available with Storm Panels or Double Insulating Glass Companion screens of wood or aluminum available

**GUARANTEED.** All BILT-WELL Windows are guaranteed to meet U.S. Dept. of Commerce, Bureau of Standards requirements for weatherstripped double-hung wood windows. They also bear the AWWI Seal of Approval.



For additional detailed information on these products see Sweet's Architectural 17c/Car and 24b/Car, or Sweet's Light Construction 6c/Car and 12a/Car.

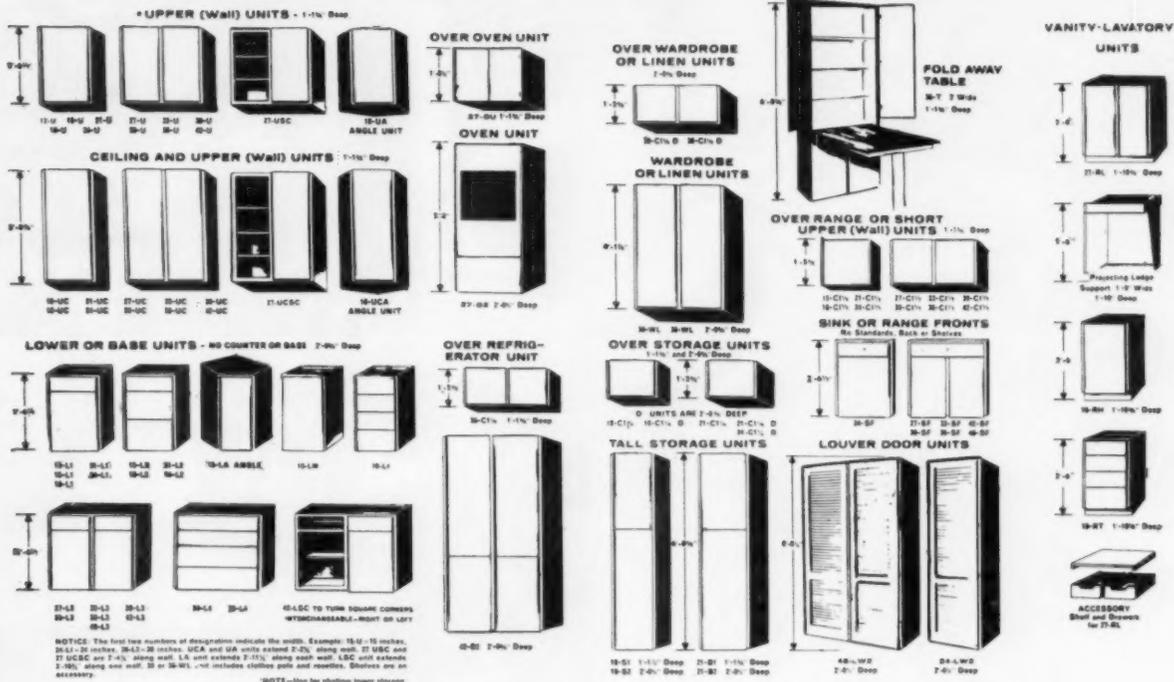


AMERICAN BUILDER

# BILT-WELL Cabinet Units

add eye-appeal and buy-appeal as they provide kitchen beauty and amazing storage space

Door and drawer fronts finished in clear Ponderosa pine or beautiful natural birch! Louvered doors on storage units make attractive storage walls in any part of house. Cost less to install than a partition, add hundreds of dollars to your home value. The woodwork that obsoletes the wall-and-closet arrangement in many homes.





The "Fair-L-Wood" (above) is one of many National Homes models built by L & H Builders, featuring The "OVERHEAD DOOR." (In large photo) A specialist from the Overhead Door Company and Barney Loeb inspect a garage door installation at the Loeb and Hogan "River's End" project in Carpentersville, Ill.

Barney Loeb and Quinn Hogan, partners in L & H Builders, Inc., will build over 600 manufactured homes this year. The firm has building developments in seven locations in the Chicago area.



# why Loeb and Hogan (*builders of 600 homes a year*) are sold on The "Overhead Door" Plan

Because Illinois builders, Loeb and Hogan, figure their construction costs with sharp pencils, they're sold on The "OVERHEAD DOOR" Distributor Plan for installation of garage doors.

With every National Homes purchase, these Chicago-area builders receive The Original "OVERHEAD DOOR" selected by the manufacturer for that home model. As soon as the home is ready for garage door installation, the door is promptly delivered by the local "OVERHEAD DOOR" distributor. And this distributor's factory-trained servicemen install the door in less time than the builder's own crew would require.

Under this plan, Loeb and Hogan get a famous-name,

top-quality door, and fast, professional installation that saves time and leaves their carpenters free for other work. There is never a maintenance problem because every job is warranted.

Another advantage of The "OVERHEAD DOOR" Plan: there is no extra financing of the garage door, because every door is included in the home package.

Home manufacturers like this plan, too, because it is popular with builders, and because the manufacturer carries no garage door inventory.

To learn about the many advantages offered to you by The "OVERHEAD DOOR" Plan, look for "OVERHEAD DOOR" in the WHITE PAGES, or mail the coupon, today.

The "Overhead Door" made only by

## **OVERHEAD DOOR CORPORATION**

*Originator and perfecter of upward-acting sectional doors*

### **GENERAL HEADQUARTERS:**

Hartford City, Indiana

### **MANUFACTURING DISTRIBUTORS:**

Cortland, N.Y. • Hillside, N. J.  
Lewistown, Pa. • Marion, Ohio  
Nashua, N. H.

### **MANUFACTURING DIVISIONS:**

Dallas, Texas • Portland, Ore.  
In Canada: Oakville, Ontario



**FOR 38 YEARS** more people have bought The "OVERHEAD DOOR" than any other brand.

**SOLD ONLY BY** the Overhead Door Company of your city.

Overhead Door Corporation  
Dept. AB-4  
Hartford City, Indiana

Please send more information about The Original "OVERHEAD DOOR" and installation economies by Overhead Door distributors.

Name \_\_\_\_\_

Company \_\_\_\_\_

Address \_\_\_\_\_

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

no more grease-covered  
windows for me!...

*next time I want*

**WARE**  
W I N D O W S

*they're chemically  
cleaned and etched  
at the factory - and  
they sure do sell homes!*



Maybe you're among the many builders who've lost time and temper because your windows come covered with mill grease—dull and unprotected—and vulnerable to the "bite of hot mortar."

If so, you'll be money ahead by insisting on WARE Aluminum Windows... every one of which is chemically cleaned and etched *at the factory* and given a lustrous, eye-appealing finish of DuPont METHACRYLATE, exceeding Federal Specifications. You'll be 100% sure of passing FHA inspection, too!

Why not find out *all* the ways in which Ware Windows give you *extra value*? Write Dpt. AB-4 today.



Member



Aluminum **WARE** Windows



Adjust

Econ O Wall

Econ O-Ware  
Aerog

A COMPLETE LINE  
OF PROVEN  
QUALITY  
WINDOWS  
AT COMPETITIVE  
PRICES

Ware-Rite and  
Ware-Aerog

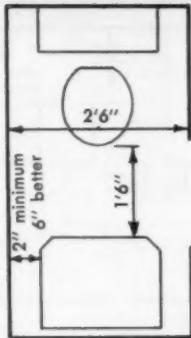
Projected

Casements

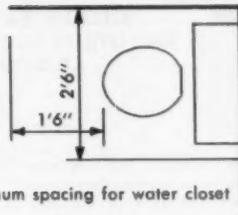
Ware Laboratories, Inc., 3700 N. W. 25th St., Miami, Florida

# PLUMBING, WATER SUPPLY

## Bathroom Standards

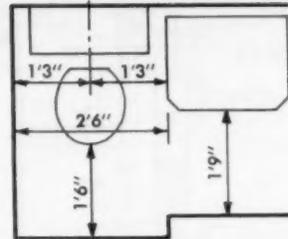


Water closet and lavatory

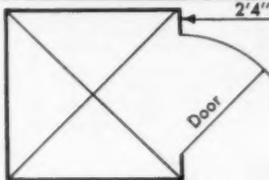


Minimum spacing for water closet

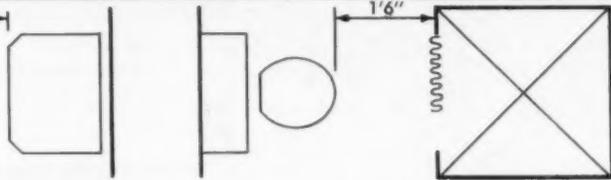
Water closet



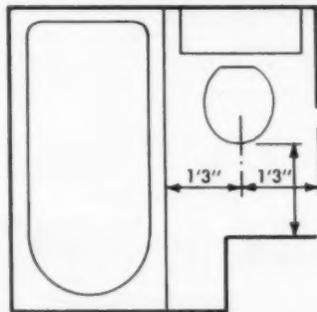
Water closet and lavatory side by side



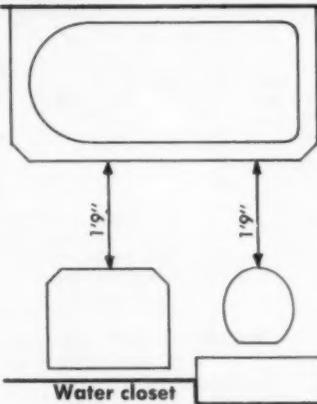
Shower and lavatory



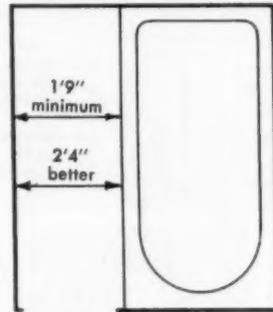
Shower and water closet



Water closet and bathtub side by side

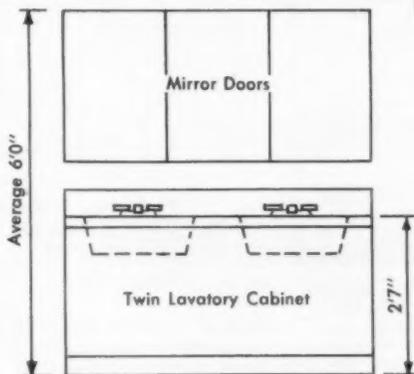


Water closet and lavatory facing bathtub

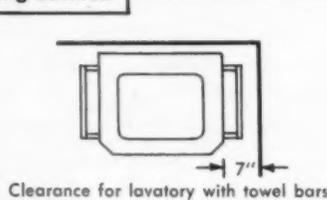


Wall and bathtub

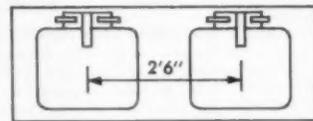
SCALE: 3/8" = 1'-0"



Average lavatory counter height 31"  
For adult use in master bath 34-36"

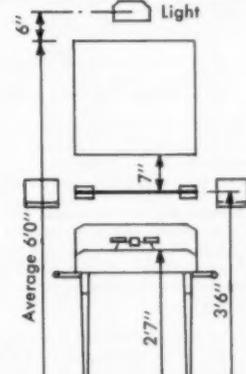


Clearance for lavatory with towel bars



Recommended spacing for Counter Twin Lavatory installations

Lavatory

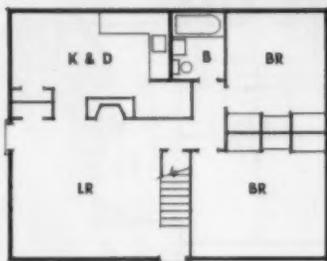


Shelf-Back Lavatory

11

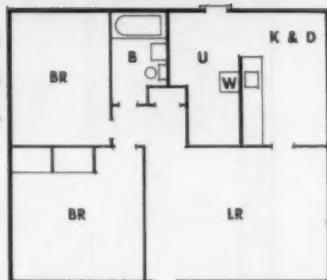
# PLUMBING, WATER SUPPLY

## Planning for Plumbing Fixtures

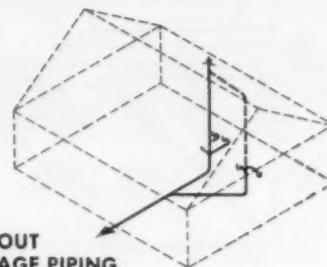
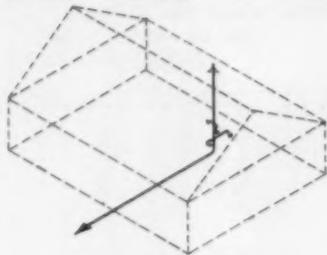


**KITCHEN AND BATH  
BACK TO BACK**

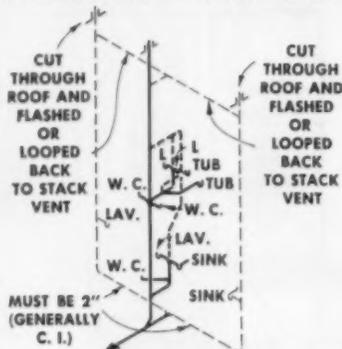
**KITCHEN, BATH  
AND UTILITY ROOM  
ADJACENT**



**ONE-FLOOR PLANS:** In the one-story basementless house, backing up kitchen and bathroom fixtures (plan, left), will produce the optimum in savings. When this is not practical, back up the rooms (plan, right.) When fixtures are badly separated in the plan, material and labor costs go up, not only for drainage and venting, but for water piping.

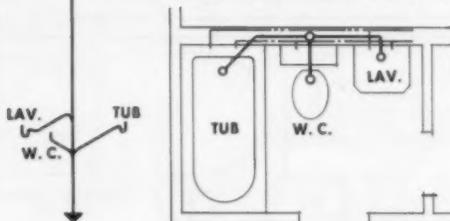


**TWO BATHROOMS ALIGNED OVER  
A KITCHEN AND A POWDER ROOM**



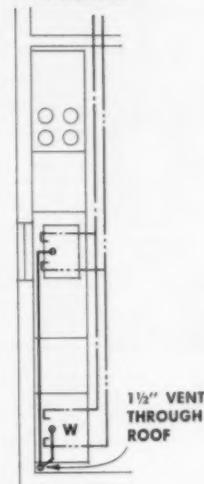
**TWO-STORY HOUSE:** A considerable saving is achieved when fixtures are aligned over one another, so that all may discharge to a single stack. Light dotted lines indicate extra piping that would be necessary if they were not aligned.

**COMPACT FIXTURE LAYOUT  
WITH REQUIRED DRAINAGE PIPING**

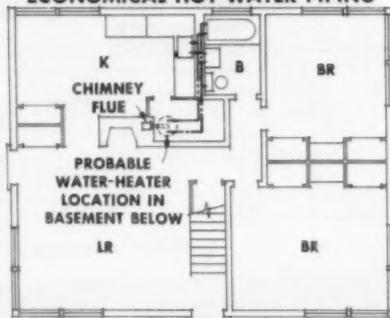


**BATHROOM PLANNING:** The fixtures in a single room, where practical, should be placed against and discharge toward, the same wall.

**WELL-LOCATED  
WASHER**



**WATER-HEATER AND CHIMNEY  
WELL LOCATED FOR  
ECONOMICAL HOT-WATER PIPING**



**EQUIPMENT LOCATION:** When water-heater is located too far from fixtures using hot-water, there is not only extra cost for material and labor to install the piping, but heat loss through the extra run of pipe makes the heater less efficient. Note in the plan above that fireplace was located so that water-heater could be properly vented and still be close to those fixtures needing hot-water.

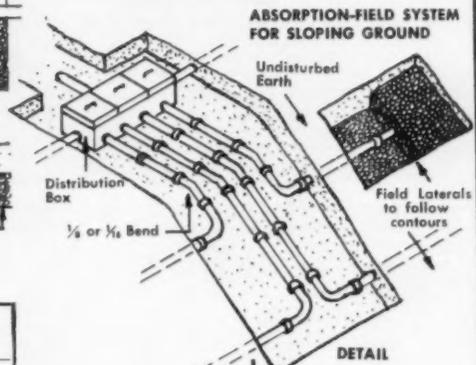
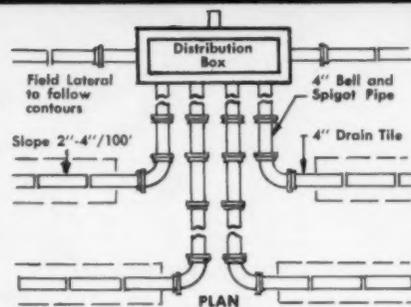
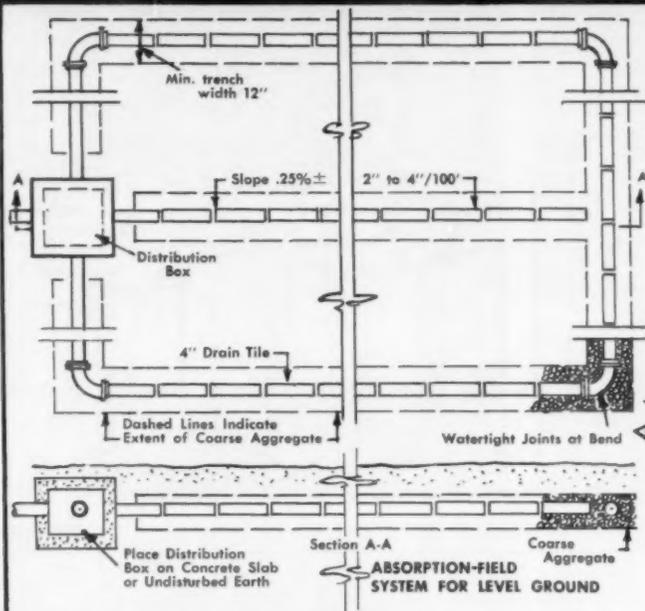
**LOCATING CLOTHES WASHERS:** Where possible, clothes washers should be placed to take advantage of an already existing vent, and should minimize the installation of extra water piping. The sketch above indicates one way this could be done.

### SOME FURTHER NOTES

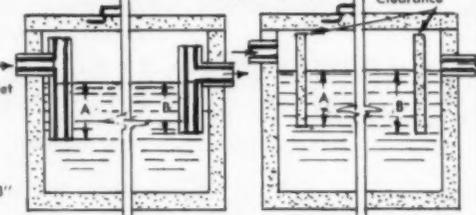
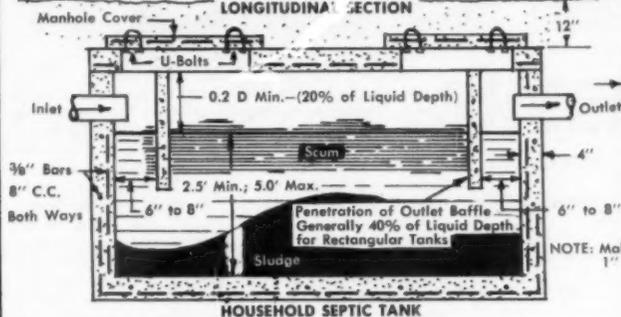
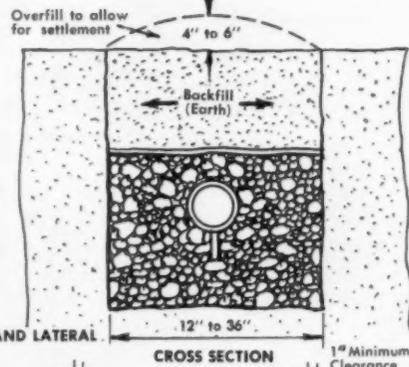
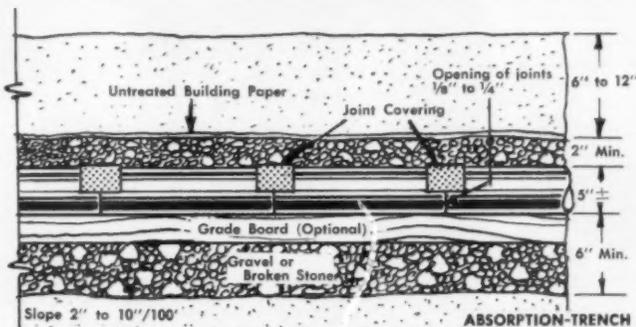
- Wherever possible, it is best to locate rooms containing fixtures near the point of entrance of the water and sewer services. This will cut the length of service lines.
- Many plans today include compartmented baths; toilet and sink separate from tub and shower, or toilet separate from sink and tub and shower. Piping should be planned so that fixtures drain and are vented with a single stack.
- The suggestions on this page are not meant to be absolute. Local conditions and codes sometimes prevent installations as shown here. However, when they can be used, savings mount — especially in multi-home projects.

# PLUMBING, WATER SUPPLY

## Septic Tank Systems



Trench width, inches	Minimum distance between centerline of trenches, feet	Trench width, inches	Minimum distance between centerline of trenches, feet
12 to 18	6	24 to 30	7.0
18 to 24	6.5	30 to 36	7.5



NOTE: Make Inlet at least 1" Above Outlet, 3" Preferred

**TYPES OF INLET AND OUTLET DEVICES**

NOTE: "A" should be no less than 6" and no greater than 8"

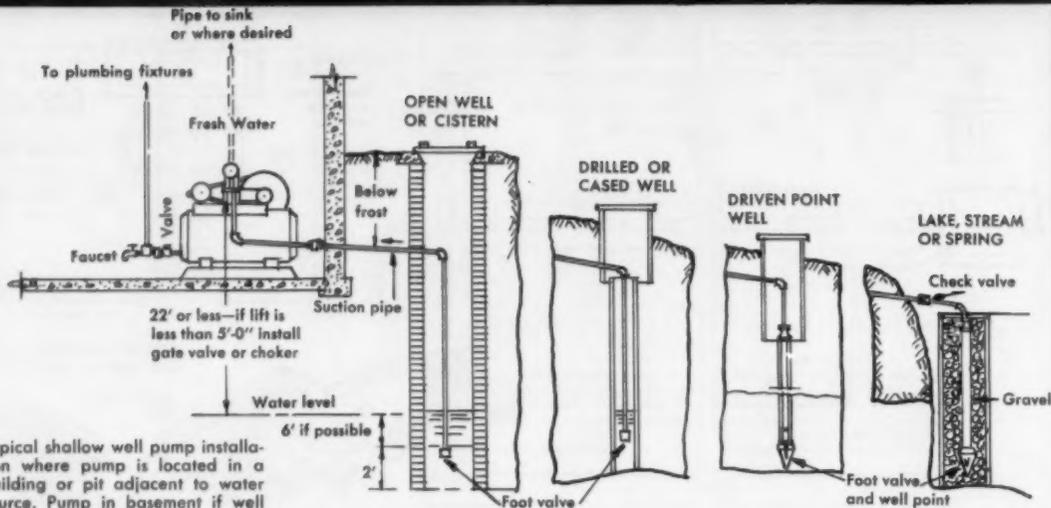
"B" penetration of outlet device generally 40% of liquid depth for rectangular tanks and 35% for horizontal cylindrical tanks.

Number of bedrooms	Recommended minimum tank capacity	Equivalent capacity per bedroom
2 or less	750	375
3	900	300
4	1,000	250

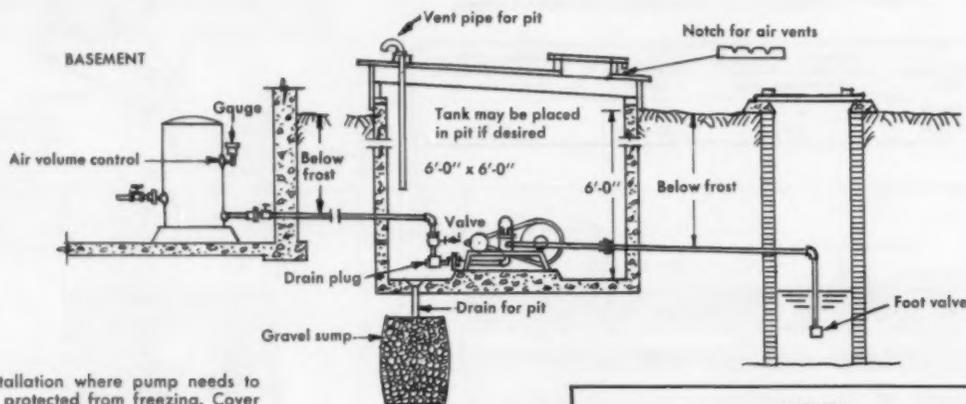
11

# PLUMBING, WATER SUPPLY

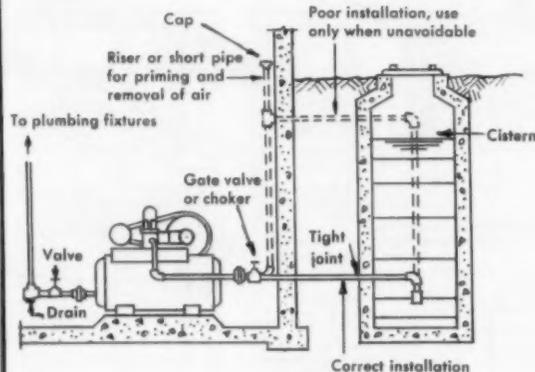
## Well Pump Data



Typical shallow well pump installation where pump is located in a building or pit adjacent to water source. Pump in basement if well is less than 100' from house; over well if over 100' from house.

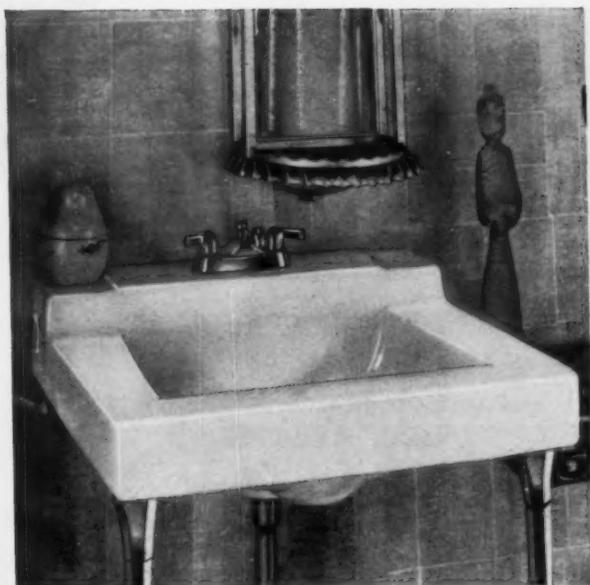


Installation where pump needs to be protected from freezing. Cover of pit should be well insulated for added protection.



### NOTES

Because of atmospheric pressure, a shallow well pump will only operate to a depth of 22'. Beyond that, a deep well pump must be installed. Three types of pumps are used today for either deep or shallow well systems. They are: reciprocating, centrifugal and centrifugal-jet. A reciprocating pump operates by means of a piston and cylinder, much like the cylinder in an automobile. On the forward stroke a check valve opens, forcing water into the cylinder. On the reverse stroke, the check valve closes, forcing the water collected in the cylinder through the pipe and into the storage tank. A centrifugal pump operates with an impeller, a wheel that doesn't look like but works much like a boat propeller. This wheel spins the water, increasing its velocity and pressure. The water spirals up into a casing of decreasing diameter that further increases the water's pressure. As this action is continued, the water is forced through the pipe and into the storage tank. The Centrifugal-Jet Pump sends a stream of water through a small-diameter nozzle into a Venturi tube, which increases its pressure. From this point, the water is swept up into the centrifugal pump, and on to the storage tank. The details of well installation which are shown here are for purposes of illustration only. Consult your State Dept. of Public Health and your local building codes for exact specifications.



*New from* **RHEEM-RICHMOND**

*The Fastest Growing Name in Plumbing Fixtures*

**Styling for Moderns...Styling for Sales!**

Here's new, clean, crisp design...styled for modern living and for modern merchandising. The entire Rheem-Richmond line provides self-selling beauty...in seven sparkling colors and exclusive "Whiter-White." And all are produced under the same rigid controls that have made the Rheem-Richmond name famous for higher standards of quality. Available in

a wide variety of sizes and styles...profit-packed in every price range. Write for detailed information.



**RICHMOND**

PLUMBING FIXTURES DIVISION  
RHEEM MANUFACTURING COMPANY  
METUCHEN, NEW JERSEY

# SURE STEPS TO SALES



## 1. Your prospects see "the things to look for"...

In *Better Homes and Gardens*, *House Beautiful* and the special home building magazines, your prospects are seeing this message over and over: "Look for the things that only Crane can offer—among them a 28% preference over all other brands!"

## 2. they find them in

# YOUR MODEL HOME

They look at the bathroom, and there is the name—CRANE. It's what they're looking for. They *know* Crane plumbing is preferred. They *know* it's tops in quality. Clearly, here is a quality builder . . . here is a quality home.

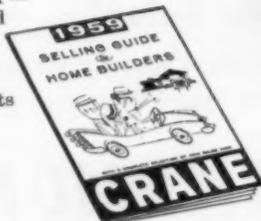
That's the kind of thing that steps up sales!

Especially when you *promote* it, when you capitalize on this known preference for Crane! And now your Crane Representative makes that mighty easy to do. He has a *complete promotion kit* ready and waiting for you: yard signs, window streamers, product cards, handouts—everything you want for model home display.

Now, when it's so very simple, so sure-fire—*now* is the time to step up your promotion . . .

*step up your sales with*

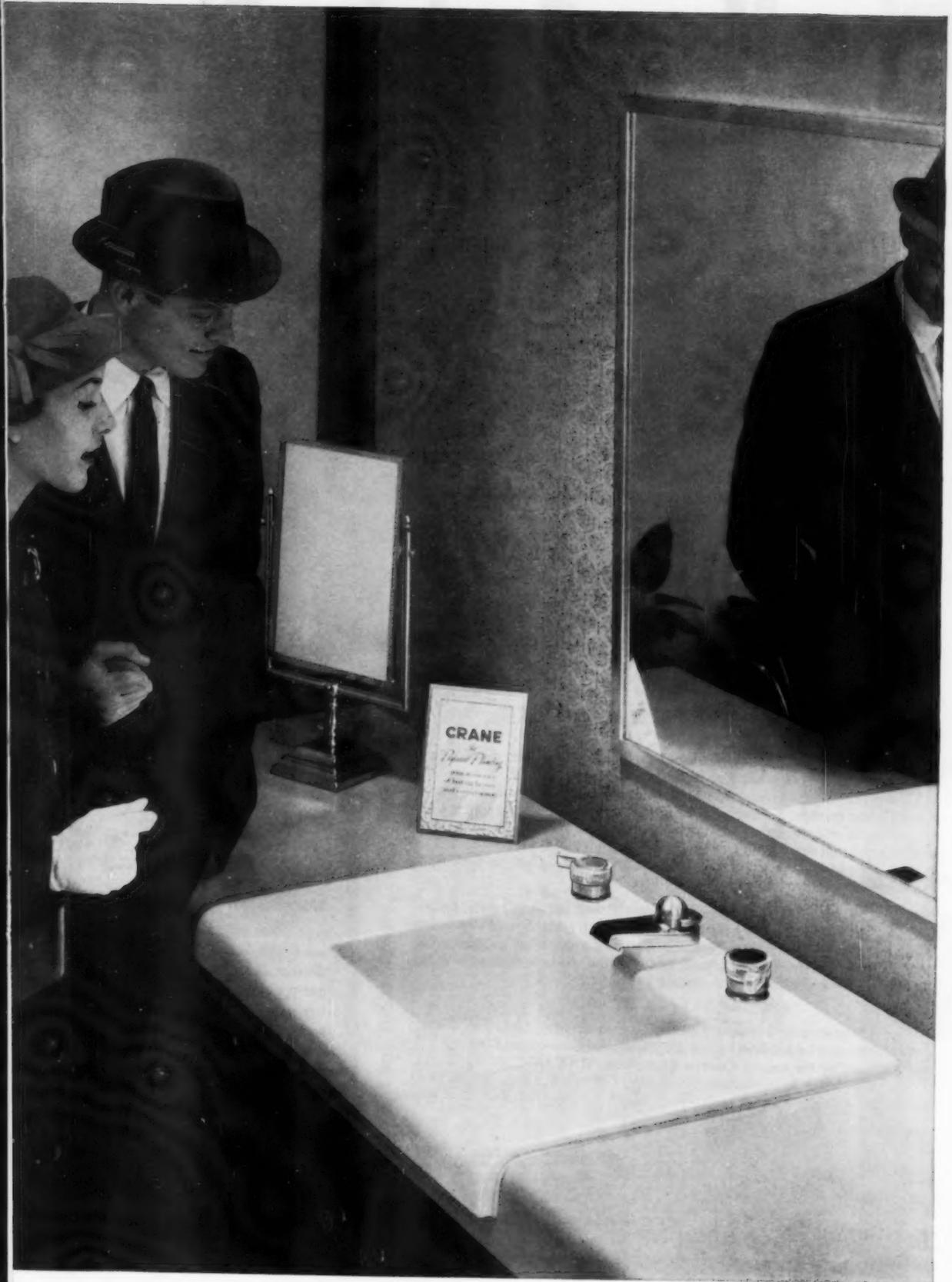
Here it is,  
**YOUR COMPLETE  
PROMOTION KIT**—  
everything you need  
to step up your  
sales. Remember,  
it's yours for the  
asking—compliments  
of Crane.



# CRANE®

*the preferred plumbing*

CRANE CO., 836 South Michigan Avenue, Chicago 5, Ill. • Valves • Fittings • Pipe • Plumbing • Heating • Air Conditioning



# The New Carlrim Sinks

(By Carlton)

offer you these built-in extras\* that mean extra profits on every sale!



## THE ULTIMATE IN SANITARY SINK DESIGN

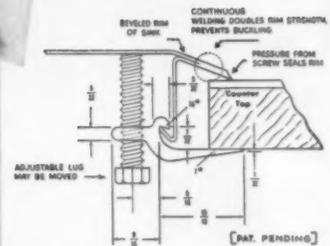
The average person shopping for a new home or a new kitchen doesn't have the slightest idea as to what a good kitchen sink should cost.

That makes it just as easy to sell him the best as it is to sell the worst. After all, the greatest difference in the cost of any stainless steel sink is only a few dollars, and the extras\* that come with every Carlrim Sink are so easy to point out that selling the Carlrim is a cinch!

Why not put the extra dollars you get from selling a Carlrim Sink right in your pocket—and then everybody will be happy!

**\*SOME CARLRIM EXTRAS:** Splash-free center wall between bowls. Exclusive sparkle finish, as easy to keep clean as washing a glass! Sound-deadening under coating to reduce dish washing clatter. Larger bowl capacity. No separate rim to gather dirt or grease. Matches the modern designs of other kitchen built-ins. Guaranteed to outlast the house!

*We also make a complete line of Carlton Scullery Sinks for commercial kitchens. Write for Illustrated Catalogs and the name of the nearest Carlton Distributor. SINK DIVISION, Carrollton Manufacturing Company, Carrollton, Ohio.*



### SPECIAL NOTE TO INSTALLERS

All Carlrim Sinks are designed to fit any standard cut-out. All Carlrim shipments contain clear installation instructions. There are now 19 different models from which to make your selection. All Carlrim Sinks are made of the best quality non-magnetic 302 (18-8) stainless steel.

*You just can't buy  
better-when you buy...*

**CARLTON**  
STAINLESS STEEL  
**SINKS**

# Gertrude Ederle OFFERS YOU AN OPPORTUNITY TO MAKE BIG MONEY

## NEW OUTLET PROGRAM . . .

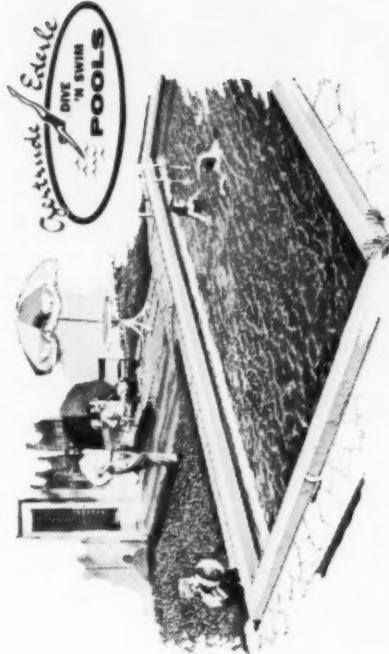
### Qualifications you should have . . .

Successful business background and a burning desire to build a growing business that has unlimited possibilities with the highest earnings dollar wise, you've perhaps ever known. The swimming pool business, for homes, motels, factories, municipalities, country clubs, institutions and real estate home builders and developers will before long become a billion dollar industry. Now is the time to get in on the ground floor. We do not sell a franchise. Neither are you expected to stock an inventory to secure for yourself a future in our business.

**COROBEX . . . a U.S. Pool EXCLUSIVE!**  
Corobex is a new wonder discovery that renders Gertrude Ederle Dive 'n Swim Pools permanently germ-free, odor-free, mold-free and mildew-free! It eliminates use of algaecides and other pool chemicals. No other pool on the market has this miracle self-deodorizing product . . . so no other pool on the market can be so modern and maintenance-free! Corobex processing in Gertrude Ederle Dive 'n Swim Fiberglass Pools result in *the finest pools known to mankind!* Also available as a Pool-skin Liner in economical concrete pools.

**About Gertrude Ederle . . .**  
Of course, Gertrude Ederle, the swimming champion of all champions, who is a member of President Eisenhower's Youth Physical Fitness Committee and also a director of the National School Lunch Program in New York City, and Chairman of the United States Campaign, is a member of our firm. Among other things she has designed a safety wading pool for children as an optional component of our large pools. The complete story about her, her ideals, and her reasons for joining us will be given to you by our territorial supervisor. This is a thrilling story indeed.

Underway now is the program for establishing new distributors and dealers to carry out our plans for the greatest expansion in our history. The demand created for our swimming pools by our television, radio, newspaper, and magazine campaign has made it necessary to establish more outlets for our pools.



Gertrude Ederle  
**DIVE 'N SWIM POOLS**

NEW 1959 PRICES START AT \$2995 INSTALLED

MAIL THIS COUPON NOW FOR ALL THE FACTS ABOUT OUR BIG 1959 MONEY-MAKING OFFER

. . . if making a new future and gaining financial security for your family and yourself interests you!

UNITED STATES POOL CORPORATION • 27 HAYNES AVENUE, NEWARK 12, N. J.  
I am interested in making big money in the Gertrude Ederle Dive 'n Swim Pool way! Please send illustrated brochures and literature.

Name.....  
Address.....  
City..... State.....



*Introducing the all-new ELLIS . . . by Eljer . . .  
 "right" for the big residential market*

*7 Decorator Colors  
 Plus Snowy White*

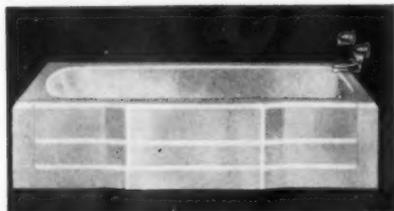


The *Ellis* is proof that quality reaches from end to end in the Eljer line. While modestly priced, this washdown toilet features improved flushing action and the eye appeal of Dave Chapman's striking new design, including new flat bolt covers to eliminate dirt-trapping projections. And for easy, labor-saving installation, there are but two bolt holes, scientifically balanced for stable mounting.



You're so right with ELJER

Now! New  
Eljer fixtures  
your customers  
helped us design



**NEW BLAIR** china lavatory harmonizes perfectly with *Ellis* toilet. Available in 7 decorator colors, plus white.

**ANOTHER "RIGHT"** mate for the *Ellis* is the **Capri** enameled iron bath, outstanding in quality, moderate in price.

Trust Eljer to be first with *pretested* designs in bathroom fixtures. In a research project unique to the industry, Eljer's new series of creations by the staff of Dave Chapman, famous design firm, was endorsed enthusiastically by the decision makers who really count—the home building and buying public. First shining example of the line is the new *Ellis* toilet shown on the opposite page.

Product innovations in the *Ellis* add to the impressive list of Eljer "firsts" which attest to the quality and performance of the Eljer line. Such industry-accepted developments as Eljer's integral china overflow and ground-in valve seats are incorporated in the *Ellis*, plus new, improved flushing action.

Ask your Eljer plumbing contractor about these pretested new fixtures. After all, *your customers told us a lot about them.*

**ELJER**  
Division of The Murray Corporation of America

Three Gateway Center, Pittsburgh 22, Pa.

# PUT YOUR MONEY IN WOMAN-APPEAL...

*but don't "Gold-Plate" the drain!*



**Specify Republic Steel Pipe for maximum economy in waste line service**

Never underestimate woman-power where satisfaction with a home is concerned. To provide greater family happiness in the final analysis, discerning building contractors concentrate on modern conveniences that have automatic appeal for the ladies. And they make this possible by insisting on sound economies in the selection of basic materials.

One of these economies is the choice of Republic Steel Pipe for waste lines. The low initial cost of steel pipe provides extra funds that can be diverted to woman-pleasing, family-pleasing features. In addition to its low initial cost, steel pipe is always readily available . . . at prices that are little subject to fluctuation.

Material shortages, with consequent work stop-

pages, are avoided—as are unforeseen price rises, that can cut into profits. Moreover, a single grade of steel meets all requirements, saving inventory costs and eliminating the risk of installing the wrong grade.

Further savings accrue because steel pipe provides excellent workability. Reputable plumbing contractors everywhere know how to make fast, economical installations, good for the life of the building.

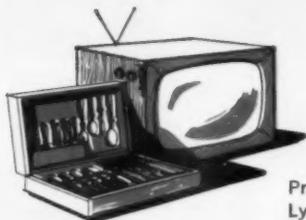
These factors, added together, enable you to provide greater buyer-satisfaction at lower cost through Republic Steel Pipe. Get further details now by consulting your Republic Pipe Distributor. Or write Republic Steel Corporation, Dept. AB-7391, 1441 Republic Building, Cleveland 1, Ohio.

## REPUBLIC STEEL



*World's Widest Range of Standard Steels and Steel Products*

# LINE 'EM UP!



## New Lyoncraft Traffic Builder Promotion pulls more sales into your model home!

Prizes and surprises in the big  
Lyoncraft promotion. Ask about it!

Cash in on this terrific traffic-boosting promotion! It's the Traffic Builder Promotion by Lyoncraft—makers of the exclusive Dispo-Well\* Sink, acclaimed in leading magazines, talked about in the trade! And Lyoncraft supplies you with everything you need to start the promotion rolling, to publicize it and to entice those prospects to come a-running. Do more houses get sold? You bet you sell more houses! Get in on the promotion right away! Just fill out the coupon below. Better still, call your Lyoncraft salesman right now to learn about the Traffic Builder Promotion!

\*T.M. AND PATENTS APPLIED FOR



DISPOSO-WELL . . . the only sink designed specially for garbage disposers! Another reason that housewives will be interested in buying the quality houses you build.

World's largest fabricator  
of Chrome-nickel stainless

**LYON STAINLESS PRODUCTS  
DIVISION OF LYON INCORPORATED**

13881 W. Chicago Boulevard, Detroit 28, Michigan



AUTOMOBILE WHEEL COVERS • PRESTIGE TABLEWARE • KITCHEN SINKS • HOUSEWARES

LYON STAINLESS PRODUCTS DIVISION  
Lyon Incorporated, 13881 W. Chicago Boulevard  
Detroit 28, Michigan  
Tell me more about the Lyoncraft Traffic Builder  
Promotion.

NAME \_\_\_\_\_  
COMPANY \_\_\_\_\_  
ADDRESS \_\_\_\_\_  
CITY \_\_\_\_\_ ZONE \_\_\_\_\_ STATE \_\_\_\_\_



*Superior features*  
that attract sales

*Clearfield, K-5520-A, 60" x 21"*

## Kohler Enameled Iron Sinks

The superior design, quality and construction of Kohler sinks provide an eye-catching, wife-pleasing combination hard to beat.

Easy to clean—and easy to keep clean—Kohler sinks have a lustrous finish, acid-resisting to prevent spotting and staining.

Deep, roomy basins offer plenty of "chore space." Duo-strainers make basins water-retaining and quick-draining. Rigid cast iron construction insures years of quiet service, provides solid mounting for disposal units.

The chrome-plated fittings are all brass, offering maximum resistance to corrosion and engineered for finger-tip control.

A sink in one of the six Kohler colors or in white gives a final touch of beauty. The trend today is to color—and Kohler.

The illustrations shown are from Kohler full-color advertisements in mass magazines, making the specific advantages of Kohler sinks known to home-owners everywhere.

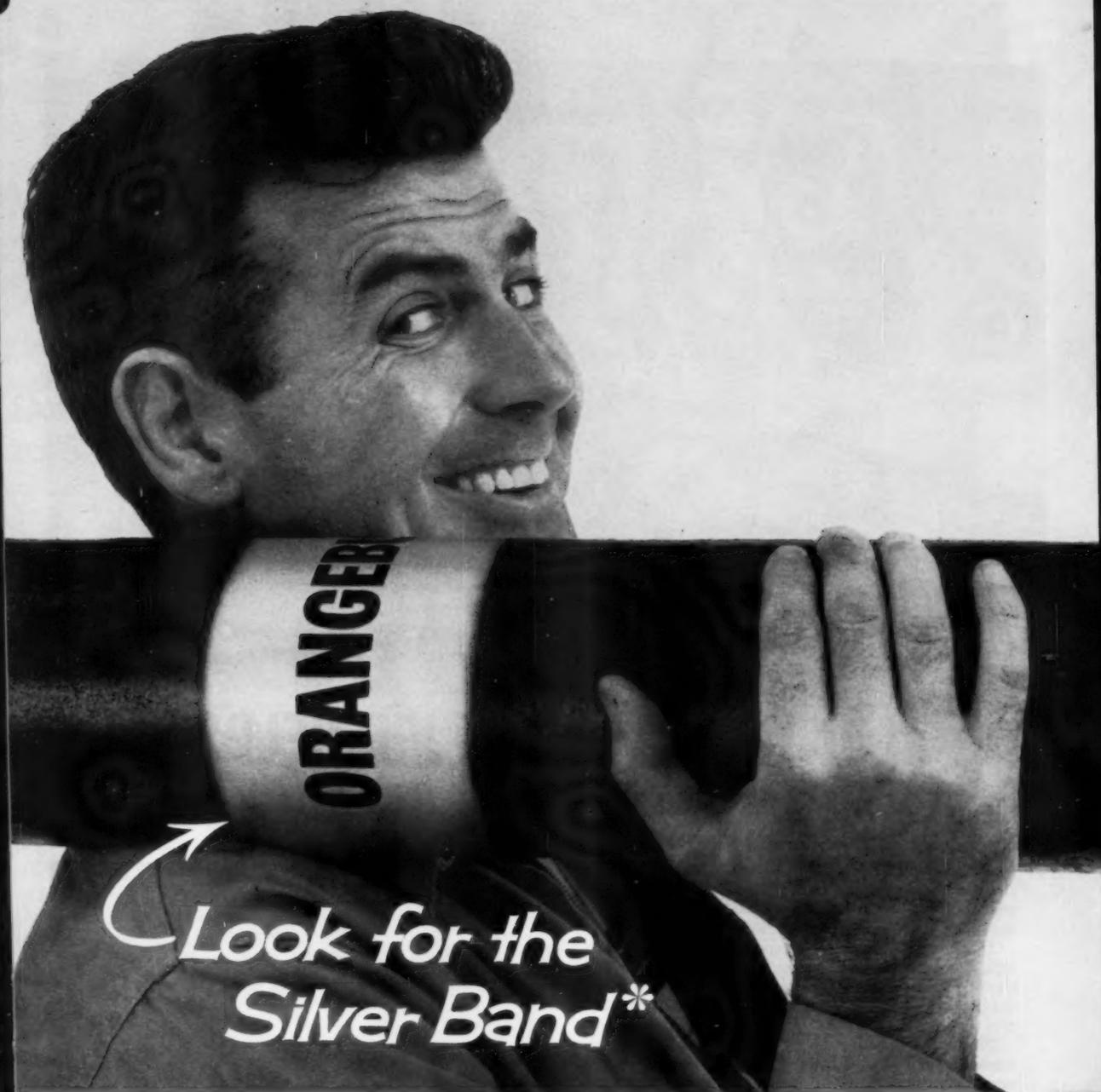


*Delafield, K-5950-A, 32 x 21", 42 x 21"*

**KOHLER CO. Established 1873 KOHLER, WIS.**

# KOHLER OF KOHLER

Enameled Iron and Vitreous China Plumbing Fixtures • Brass Fittings • Electric Plants • Air-cooled Engines • Precision Controls



Look for the  
Silver Band\*

\*THE NAME ORANGEBURG AND THE SILVER BAND ARE REGISTERED TRADE-MARKS OF THE ORANGEBURG MANUFACTURING CO.

ADVERTISED IN  
**LIFE**

Make sure *your* homes feature *genuine* Orangeburg quality. It helps make the sale easier. Means more satisfied customers. So look for the Silver Band to be sure you're getting *genuine* Orangeburg: *Root-Proof* Pipe for sewer lines from house to street; for run-offs from downspouts...*Perforated* Pipe for foundation drains, septic tank filter beds. Over 300 million feet in use from coast to coast. It's the Brand your customers know. Write for "*Tips for Installing*," Dept. AB-49, Orangeburg Manufacturing Co., Orangeburg, N. Y. or Newark, Calif.

ORANGEBURG MANUFACTURING CO.  
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of America's Broadest Line of Building Products

***genuine* ORANGEBURG<sup>®</sup>**  
**Root-Proof Pipe and Fittings**



## LOW COST STEEL PIPE HELPS PUT SWIMMING INTO YOUR BACK YARD!

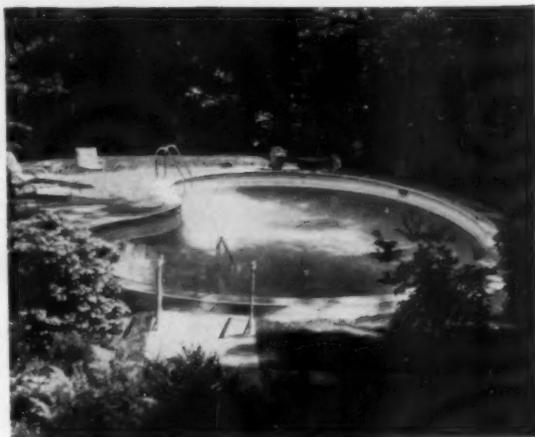
Home swimming pools, once an unaffordable luxury for most families, are now available at prices within the reach of many, thanks to new, cheaper construction methods and inexpensive materials such as *steel pipe*.

In the 30,000 back yard pools that will be installed this year, reliable *steel pipe* will be used variously for supply and drainage lines, ladders, filtration systems, diving board supports . . . yes, even to radiantly heat the water if desired!

*Steel pipe* because it is the least expensive and most versatile of metal tubular products, contributes to the economic availability of so many good things in life. Yes, *steel pipe* is the most widely used pipe in the world for radiant heating, snow melting, fire sprinkler systems, vent and drainage lines, electrical conduit, structural uses, refrigeration, gas, oil and water lines.

### STEEL PIPE IS FIRST CHOICE

- Low cost with durability
- Strength unexcelled for safety
- Formable—bends readily
- Weldable—easily, strongly
- Threads smoothly, cleanly
- Sound joints, welded or coupled
- Grades, finishes for all purposes
- Available everywhere from stock



Pools like this and the one above are within the financial reach of many 2-car families and low-cost *steel pipe* helps to make this true.

## COMMITTEE ON STEEL PIPE RESEARCH

AMERICAN IRON AND STEEL INSTITUTE

150 East Forty-Second Street, New York 17, N.Y.

**ADD THE FINISHING TOUCH**

*Sell Homes Faster!*

## Showerfold Doors—Smart, Sensible and Surprisingly Low Priced

No new product in recent years has captured the imagination of so many builders in such a short time as have Showerfold doors.

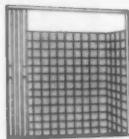
Now, bathrooms can be sold on sight alone with these beautiful, low cost bathroom appointments for tub or stall shower.

Sturdily constructed, Showerfold doors are made of alternating bright anodized aluminum sections and translucent, pearl colored "Alathon"\* panels that fold open for 80% tub access. When closed, they confine splash and spray to the bathing area.

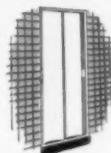
They operate smoothly and easily from either side and fit right or left hand standard sized recessed tubs and all types of stall showers.

**You can enclose any bathroom opening for less than \$30.00. See your nearest dealer—or write for literature today!**

\*A DuPont Product



Showerfold doors add permanent beauty and convenience to any tub. Easy to operate, easy to install and maintain.



Now, at an economical price, you can add the finishing touch to stall showers. Make bathrooms more salable.



SHOWERFOLD DOOR CORPORATION—6585 W. WARREN, DETROIT 10, MICHIGAN

# stop leaks! stop

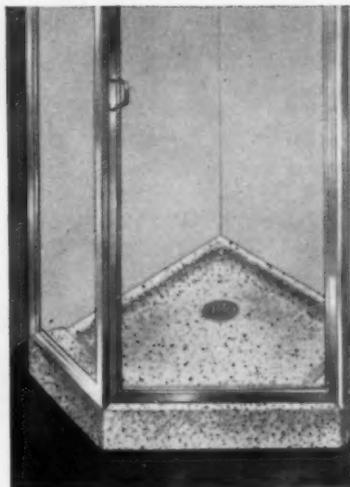
3 Basic Models let you Customize every job—



**RECTANGULAR**—New FIAT floor in the latest, most popular shower shape. Provides more elbow room and a more luxurious appearance—helps sell homes! Measures 48" x 32".



**SQUARE**—Modern built-in beauty at a modest price. FIAT Pre-cast Shower Floors insure fast, foolproof, economical installation . . . and no call backs.



**CORNER**—Here's the economical way to turn a 1½ bathroom house into a 2 bathroom house! Now you can build a full bathroom in the space formerly needed for a powder room.

**FIAT Pre Cast Terrazzo Shower Floors** are made of lustrous marble chips set in pure white cement. Do away with sub-pan, mortar, and tiling. Save hours of costly installation time. Builds-in more quality at less cost!



# call-backs!

## **FIAT PRE-CAST SHOWER FLOORS INSTALL IN MINUTES INSTEAD OF HOURS—ARE LEAK-PROOF FOR A LIFETIME!**

Leak-proof *Fiat Floors* are quick-to-install—they simply slide into place leaving only a single drain connection for the plumber when he's connecting shower supply lines.

*Fiat Floors won't crack; are permanently leak-proof*—even if building settles; saving you costly time consuming callbacks. And *Fiat Floors* have the good looks of quality that sells on sight. FIAT Pre-cast Shower Floors are recommended for 100% customer satisfaction by leading plumbing contractors. Distributed by leading plumbing wholesalers. Send coupon today for facts and figures on FIAT—the shower floor that gives you more!



**FIAT METAL MANUFACTURING COMPANY**

FIVE COMPLETE PLANTS: Long Island City 1, New York;  
Franklin Park, Illinois; Los Angeles 63, California;  
Albany, Georgia; Orillia, Ontario, Canada



**FIAT METAL MANUFACTURING COMPANY**  
9300 Belmont Ave., Franklin Park, Illinois  
*Please send me your  
Pre Cast Shower Floor folder.*

NAME \_\_\_\_\_ TITLE \_\_\_\_\_

COMPANY \_\_\_\_\_

ADDRESS \_\_\_\_\_

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



# NEW LINE

## of Medicine Cabinets Sparked by LAWSON

Known for Quality Since 1816



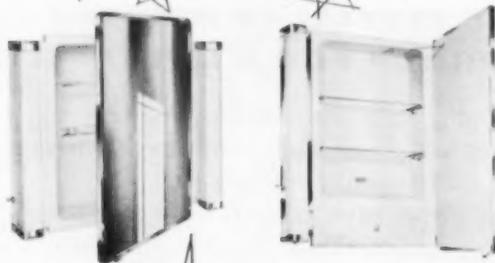
### NEW SLIDE DOOR CABINETS NEW LIGHTING—NEW BEAUTY

Luxury and good taste are reflected in this Lawson line of modern medicine cabinets. With their wide expanse of mirrors and beautiful styling, they are favorites with architects, contractors, builders, home owners. One piece drawn seamless steel bodies, **Bonderized after forming**; polished stainless steel frame with no visible joints. Storage capacities from 1919 to 3838 cubic inches.



### NEW ENSEMBLE CABINETS NEW LUXURY FEATURES— LARGER CAPACITIES

Lawson Triple and Twin Ensemble Cabinets bring new beauty, convenience and luxury to today's bathroom. Storage capacities from 2064 to 5757 cubic inches.



### NEW SWING DOOR CABINETS NEW STYLING—NEW DESIGN

Available with plate and window glass mirrors, incandescent or fluorescent lighting (or without lights). **Bonderized after forming**. Storage capacities from 799 to 1919 cubic inches.

### NEW SAFETY FEATURE

Swing door cabinets with built-in locked compartment. Protects children against dangerous drug products.



New catalog showing complete line sent promptly on request.

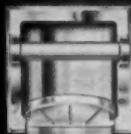


## THE F. H. LAWSON COMPANY

Bathroom Products Division  
801 Evans Street, Cincinnati 4, Ohio  
Established 1816

### 4 Complete Lines BATHROOM ACCESSORIES

Complete Price Range



PILGRIM Recessed Soap Dish and Grab Bar



PILGRIM Towel Stirrup

PURITAN Soap Dish



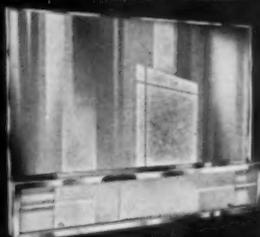
CONCORD Paper Holder



PILGRIM Towel Bar



CHAMPION Toothbrush and Tumbler Holder



Vanity Mirror with Storage Compartment



Mirror and Shelf Combination.  
Also available without shelf



Case Non-Overflow  
One-Piece\* Water Closet  
With Whispering Flush

KITTEN  
QUIET

## SELLS ITSELF

- Non-Overflow Safety Feature
- Time-Tested Healthful Height
- Comfortable Body Contour Seat
- Produced in 49 Decorator Colors  
*plus sparkling black and white*



CASE MANUFACTURING CORPORATION  
247 DELAWARE AVENUE, BUFFALO 2, N. Y.

## NO TWO ALIKE

... and, like fingerprints, no two pump installations are exactly alike either. For top performance you need a pump that's just right for the job. Aermotor's complete line includes jets (horizontal, vertical, convertible, multistage) submersibles and working heads. Choose from hundreds of models and be sure you're getting the system that's tailored to your job's specific requirements.

Get in touch with the Aermotor Man  
in your area **TODAY!**



SUBMERSIBLE



VERTICAL  
'BUD-JET'  
'VJ' SERIES



'MJ'  
MULTISTAGE



'BUD-JET'



DEEP WELL  
WORKING  
HEAD



"Since 1888, Manufacturers of  
Quality Water Pumping Equipment"

### AERMOTOR COMPANY

2500 ROOSEVELT ROAD, CHICAGO 8, ILLINOIS



# SONOCO SONOAIRODUCT<sup>®</sup> FIBRE DUCT

## more sold in 1958 than ever before

...proof that builders recognize the many  
advantages of this quality product!

Ever-increasing sales are not surprising. SONOAIRODUCT was introduced nearly ten years ago and the number of users of this economical fibre duct has grown continuously. Smart builders and contractors have been quick to recognize the time and money-saving advantages of SONOAIRODUCT. The initial cost is low. The long lengths are easy to handle. It can be sawed to exact lengths on the job. SONOAIRODUCT installs and levels fast. No sharp, cutting edges—won't chip, crack or break when dropped.

Sonoco SONOAIRODUCT is made especially for slab perimeter heating and combination heating and cooling systems where duct is encased in concrete. It meets and exceeds F.H.A. criteria and test requirements for products in this category. 23 sizes—2" to 36" I.D., in standard shipping lengths of 18'. Special lengths also available. Free installation manual. See our catalog in Sweet's.



For complete information and prices, write—

# SONOCO

## Construction Products

SONOCO PRODUCTS COMPANY

- HARTSVILLE, S. C.
- LA PUENTE, CALIF.
- MONTCLAIR, N. J.
- AKRON, INDIANA
- LONGVIEW, TEXAS
- ATLANTA, GA.
- BRANTFORD, ONT.
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**PRE-FABRICATED  
FIBERGLASS  
SWIMMING POOLS**  
by UNIVERSAL PARADISE POOLS, INC.

*Greater Profits...  
fast, easy installations*

INSTALLED IN 7 DAYS

**UNCONDITIONALLY  
GUARANTEED FOR 10 YEARS!**

**DURABLE**—Absolutely no leaks, no cracks, no corrosion. Resistant to all chemical action.

**TROUBLE-FREE**—Color impregnated. Never fades, never peels and never needs to be painted. Algae resistant.

**LOW COST**—Far lower than any pool that offers so much. Shell, filter and fittings for less than \$1,500!

**HIGH PROFITS**—That's the most exciting news of all!

**PLUS**—Extensive National Advertising to help you.

A limited number of exclusive dealerships still open. Write, Wire or Phone for "THE UNIVERSAL PARADISE STORY"  
PHONE Newton 3-6687

**UNIVERSAL  
PARADISE POOLS, INC.**

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MIAMI 42, FLORIDA

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TRANSITOP Johns-Manville Corp  
TRANSLLOT Cannelton Sewer Pipe Co  
TRANSLLOT (Block) Texas Vitrified Pipe  
TRANSMIX Universal Pulleys Co Inc  
TRANSPORTER Automatic Transportation Co  
TRAVELOADER LeTourneau - Westinghouse  
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TRAXCAVATOR Caterpillar Tractor Co  
TREDON Sapolin Paints Inc  
TRELIFE St Paul & Tacoma Lumber  
TREMEX Tremco Mfg Co  
TRENCHLAY General Cable Corp  
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TRENDOR Farley & Loetscher Mfg Co  
TRI-BOND Mastro Plastics Corp  
TRI-CLAD General Electric Co Apparatus Sales  
TRI-COATER Plastering Development Center Inc  
TRILINE Calder Mfg Co  
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TROPHY Birge Co Inc  
TROPIC-AIRE Coolerator, McGraw-Edison  
TROPICEL United States Rubber Co  
TROUBADOOR Miami Cabinet Div  
TROUBLE SAVER Patent Scaffolding

(Continued on page 280)



### IN SELECTING A SUMP PUMP...

Approved and listed by  
the Underwriters'  
Laboratories, Inc.

**In selecting a sump pump for residential installation the contractor must be sure that it is DEPENDABLE and ECONOMICAL!**

Dependability is determined by long life and trouble-free performance. Economy is determined by initial cost, installation cost and the amount of servicing required afterwards! The well Submersible Sump Pump is DEPENDABLE and its low initial cost, low installation cost and trouble-free performance make it an ECONOMIC unit to buy.

- **IT IS QUIET.** All operation is in the pit.
- **IT IS CLEAN.** The pit is sealed. No dirt, no odors.
- **LOW INSTALLATION COST.** Only one piping connection; one electrical connection (just plug in).
- **LOW MAINTENANCE COST.** The factory sealed and permanently lubricated unit, all ball bearing, 1/3 HP Capacitor motor with overload protection assures long life.
- **IT IS DEPENDABLE.** Heavy duty construction and fully tested MICRO-SWITCH guarantee trouble-free performance.

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"THE TRUTH ABOUT SUMP PUMPS"

Make your Sump Pump  
ANOTHER HIDDEN VALUE

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Give the Homeowner  
**HIGH STYLING ...MORE QUALITY**

with a **NATIONALLY ADVERTISED**

**ShoweRite®**  
 TUB ENCLOSURE



**PROMOTIONALLY  
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 Suggested  
 Retail **\$54<sup>95</sup>**  
 FOR 5 FOOT  
 RECESSED TUBS



**PACER MODEL 850**

illustrated

Mr. Builder: For a low cost investment, you add an asset that can mean a sure sale—without penalizing your customer. This beautiful ShoweRite tub enclosure sells gracious living plus practical usefulness. Special features of the Model Shown—the Pacer #850—include stunning hammered frosted glass, gleaming aluminum extrusions, and two sturdy towel bars for convenience and safety.



SEE OUR CATALOG  
 IN SWEET'S  
 ARCHITECTURAL  
 FILE  
 OR WRITE FOR COPY

**A ShoweRite Tub Enclosure Makes Wet, Messy  
 Bathrooms a Thing of the Past . . . .**

and you'll make a sure hit with the lady of the house. She will appreciate elimination of annoying, messy, slippery, damp *after-the-shower* floor-mopping.

**WRITE TO DEPT. AB459 FOR NAME OF NEAREST DISTRIBUTOR**

**THEODORE EFRON Manufacturing Co. 7519 S. Greenwood Ave., Chicago 19, Illinois**

Creators of the Most Complete Line of Stock & Custom Models Available

## BRAND NAMES DIRECTORY

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 TROUGH BELT New London Eng Co  
 TRUAIRE Truscon Steel Div  
 TRU-BOW Reuten Fred Inc  
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 TUF COR Cortland Granding Wheels Corp  
 TUF DENSE Tufcrete Co Inc  
 TUFF-BOND Moore Goodloe E  
 TUFFIE Eveready Brik saw Co  
 TUF-FLEX Miller Falls Co  
 TUFFLEX Serviced Prods Corp

TUF-FLEX DOORS Libbey-Owens-Ford Glass  
 TUF-FLEX PLATE GLASS Libbey-Owens-Ford  
 TUFF-TRED Moore Goodloe E Inc  
 TUFF-WELD Moore Goodloe E Inc  
 TUFF-WOOD Wood Conversion Co  
 TUFSEAL Tufcrete Co Inc  
 TUFTITE Tufcrete Co Inc  
 TUFTOP Tufcrete Co Inc  
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 UNILINE Pass & Seymour Inc  
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 UNILOCK Fabrow Mfg Inc

(Continued on page 286)



**Point Up the Bath and Powder Room...**

**THE Bridgman BAR**

Nothing entrances the prospective buyer more than deluxe accessories—particularly if they spell convenience with excellent taste.

Follow the trend to out-of-the-ordinary designs for no more than ordinary price. Create lasting impressions with widely approved fixtures . . . recommended and used by many architects, decorators and nationally famous builders.

Bridgman Bars are the only bars on the market requiring but one mounting point. Available in a wide range of convenient sizes for many purposes, the complete line is triple-plated chrome over copper and nickel for long life. A newly perfected base guarantees rigid, permanent installation.

WRITE TODAY FOR COMPLETE INFORMATION, DEPT. AB

GENERAL *Chrome* BRIDGMAN MICHIGAN  
 "Elegance in Chrome"



FOR THE FINEST PROTECTION

**PROTECTUB**  
 is the **BRAND** to remember

for preventing damage after installation

**IT'S NEW!**

**ALUMACOAT**

A TOUGH FLEXIBLE AND STRIPPABLE FILM  
 Protect ALUMINUM SASH AND WINDOWS FROM PAINT AND PLASTER DURING CONSTRUCTION. ALSO METALS • DIES • TOOLS • MOLDS • GLASS-CERAMICS • TILES • MARBLE . . . wherever heavy equipment or material must be protected against corrosion, chemicals, chemical fumes, or abrasion — use ALUMACOAT!

**COATATUB**

Liquid vinyl plastic coat applied with ordinary white wash brush, dries to strong flexible film, peels off. Use thinner to clean brush after applying paint.  
 Note: one gal. can covers 4-5 tubs.

ALUMACOAT coating is stable, strips cleanly and can be easily applied by conventional industrial spray or painting methods to objects of any size.



**PROTECTUB**

deluxe cover—made of thick corrugated boxboard with exclusively processed water repellent top liner. Custom made to fit your individual tub. Installs in minutes with no expensive cleaning after tiling.

**PROTECTUB INC.**

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 93 Seigel St., Brooklyn 6, N. Y.

**HALL-MACK**

bathroom  
accessories

put a sparkle in her eye...



...and convenience and utility at her fingertips!

You can always be sure of enduring loveliness and the utmost in convenience and utility when you specify or install HALL-MACK Bathroom Accessories.

Bathrooms today have become one of the most important "showplaces" in the home. The *right* bathroom accessories and styling are of greater importance now than ever before. A modern, clean bathroom, with beautiful chromium plated Hall-Mack Accessories is the first choice of more and more builders, architects and plumbers . . . and more and more quality-conscious home owners and buyers everywhere.



New Concealed Scale — built in the wall for utmost convenience and safety.

Relaxation Unit is handy, useful, convenient — recessed for cigarettes, ashtray, magazines.



Concealed Lavatory Unit. Revolving door hides soap, tumblers and brushes



**HALL-MACK COMPANY** Division of **TEXTRON INC.**  
1380 W. Washington Blvd., Los Angeles 7, California AB-49

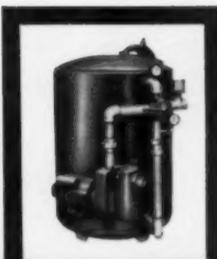
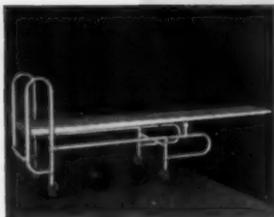
Please send your FREE color booklet of new bathroom ideas

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# BUILDING POOLS? BUILD WITH MODERN EQUIPMENT!



You can't beat the quality and price of Modern pool equipment. No matter what size pool you are building there are Modern products specifically designed to simplify its building and maintenance. Modern stocks over 250 pool items...enables you to do all your purchasing from one convenient source. Whether you need a complete filter system, deck equipment or the fittings, consult Modern first. Our technicians backed by a quarter of a century of pool construction and operating experience will be glad to advise you in the proper equipment selection...can save you money and time in actual construction. Thousands of satisfied pool owners all over the world are proof of the superior quality and value built into every Modern product.

**Our policy for two decades has been: to offer honest values, honestly described; to market distinctive and better products; sell them at fair prices; to render efficient service.**

Send for Modern's free catalog. It's crammed with information and photos that will help you save time, money and trouble. Ask for Catalog No. 21D.

# modern

MODERN SWIMMING POOL CO., INC. • 1 Holland Avenue, White Plains, New York • White Plains 6-3532

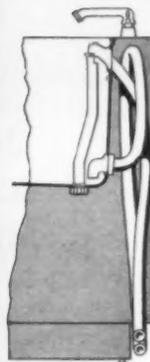
# NOW "Wesqlas"

## LAUNDRY TUBS



Give you even greater sales appeal with NEW Hide-a-Hose\*

These durable and beautifully functional laundry tubs now have an added sales feature! New Hide-a-Hose completely conceals unsightly hoses and eliminates messy handling of hoses when re-using suds or draining waste water.



### Convenient Hide-a-Hose\*

- Completely conceals all hoses and connections at the rear of the tub
- Fits all automatic washers—suds saver and non-suds saver type
- Eliminates messy hose handling and dripping when re-using suds or draining waste water.

\*OPTIONAL EXTRA ON CHALET AND MANOR MODELS



← Chalet model C-54—with enameled steel cover. Tub can be used with cover in place.

Oxford model O-55-1—fiberglass tub with shelf attached to grey enameled steel stand. Model O-55-2 has two compartments joined with a chrome strip.

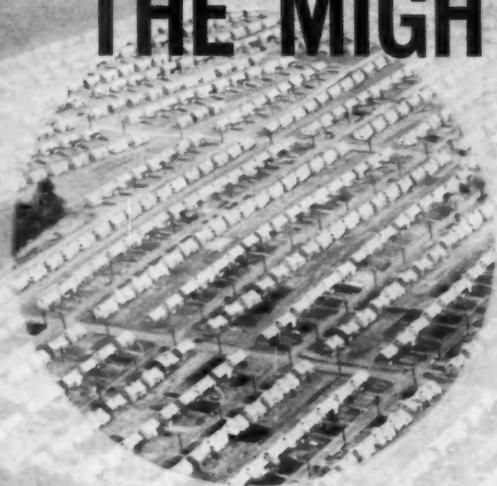


Sold Nationally through Plumbing Supply Wholesalers

**WESSELS CO.** 1625 E. Euclid Avenue  
Detroit, Michigan

**Packaged Bathrooms by Gerber**  
are designed to help you sell

# THE MIGHTY MIDDLE



The Mighty Middle is the mass market. 89% of all homes built in the U. S. are in the \$9,000 to \$24,999 mass market price range. \*This is your biggest market.

\*Source: Housing Securities Nation-wide Building Survey—Spring, 1958.

Gerber Plumbing Fixtures are designed and built only for The Mighty Middle. We concentrate on volume production of popular items — no slow-moving, luxury items whose costs must be carried by the rest of the line.

This means Gerber can give you quality features at no extra cost. It means you can add extra appeal to your homes, such as colored bathrooms for the price of white, without increasing your costs.

### Important Advantages to Builders of Gerber Complete Packaged Bathrooms

- ★ Makes bathroom planning easy, saves time and expense
- ★ All plumbing fixtures perfectly matched in style and color
- ★ Convenient, economical ordering, shipping and receiving
- ★ Wide selection to meet your needs in white or 6 colors — petal pink, wedgewood blue, forest green, driftwood tan, daffodil yellow, cloud gray.



**Catalina Economy Bathroom**, designed and built for The Mighty Middle. Gerber packaged bathroom No. 3. Ledge-type lavatory, No. 310, 19" x 17", has concealed front overflow and centerset faucet, No. 141. Closet is close-coupled, washdown type, 12" rough-in, No. 900. Porcelain enameled steel recessed tub, No. 006, with connected waste and overflow, No. 189GB, and over-the-rim tub filler No. E480.



**Bermuda Deluxe Bathroom**, designed and built for The Mighty Middle. Gerber packaged bathroom No. 2. Ledge-type lavatory, No. 380, 20" x 18", has centerset with aerator and pop-up drain, No. 143A. Closet is deluxe unit-type, reverse trap, 12" rough-in, No. 1200. Porcelain enameled steel recessed tub, No. 05, with 3-valve bath and shower diverter, No. E4802, and trip lever drain, No. 181G.

FOR FURTHER  
INFORMATION  
SEE OUR  
CATALOG IN  
SWEET'S  
OR WRITE FOR COPY

**Mail Coupon For Facts**



**GERBER** Plumbing Fixtures

Dependable service from leading jobbers, or prompt delivery direct to your job from 5 modern factories: Kokomo, Ind., Woodbridge, N. J., Delphi, Ind., Gadsden, Ala., West Delphi, Ind., Export Division: Gerber International Corp., 500 Green St., Woodbridge, N. J.

Gerber Plumbing Fixtures Corp.,  
232 N. Clark St., Chicago 1, Ill.

Please send me Fact Folder on THE MIGHTY MIDDLE and complete information on Gerber Plumbing Fixtures.

NAME \_\_\_\_\_

COMPANY \_\_\_\_\_

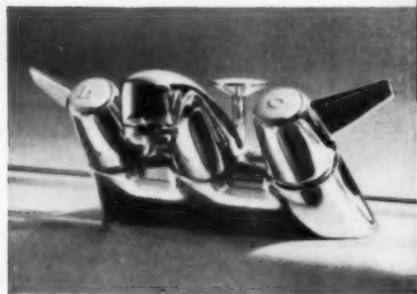
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**Vitreous Enameling Iron Tub:** Briggs unique process permits porcelain finish to be fused *into* the metal rather than merely *on* it as occurs with other finishes. Result: Full-depth tubs are chip- and acid-resistant, colors won't fade.



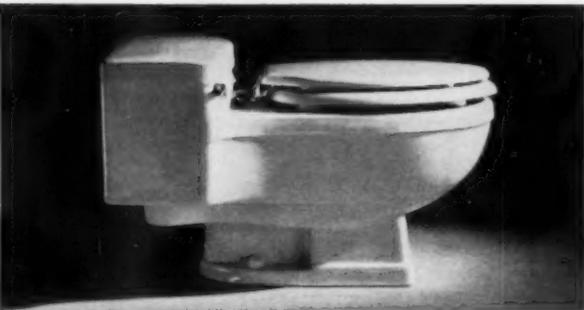
Smooth, Easy-Cleaning Contours and vitreous china surfaces have the built-in beauty of Briggs compatible colors. Certain to be points of pride with your home owners.



Interchangeable Color Inserts for new Briggs fittings—an idea that color-matches fittings with Briggs fixtures. Inserts slip neatly, securely into place . . . make an important selling difference.

**YES,  
THERE IS A DIFFERENCE  
IN PLUMBING FIXTURES!**

*Briggs Beautyware proves it  
with these sales features . . . and more!*



Nearly Noiseless, Syphon-Jet Operation of the "Emperor" Closet is a Briggs feature that makes a difference . . . as does the streamlined, one-piece styling, fashioned of high-density vitreous china.

Now available to help you sell homes with Briggs Beautyware: the complete Briggs Spring Builder Promotion. Get more information from your Briggs representative.

**BRIGGS**

B E A U T Y W A R E

AMERICAN BUILDER

# HERE'S MORE PROOF... SPECIFY CHASE<sup>®</sup> COPPER PLUMBING AND SAVE ON THE HOUSES YOU BUILD

## COPPER COSTS LESS!

Based on current prices, here's what the plumbing for a typical 7 room, 1½ bath ranch type house costs (material and labor)—figured with copper tube vs. ordinary rustable pipe:

Galvanized Water Lines cost . . . . .	\$147.91
Cast Iron Drainage Lines cost . . . . .	495.78
<b>Total Cost With Rustable Pipe . . . . .</b>	<b>\$643.69</b>
Copper Water Tube Lines cost . . . . .	\$133.13
Copper Drainage Lines cost . . . . .	427.06
<b>Total Cost With Quality Copper . . . . .</b>	<b>\$560.19</b>
<b>COPPER SAVES THIS BUILDER . . . . .</b>	<b>\$83.50</b>

## COPPER SAVES TIME!

Total installation time with rustable pipe . . . 59 hrs.  
Total installation time using copper . . . . . 40 hrs.

### WITH COPPER

- ... fewer time-consuming joints to be made
- ... cutting is easier when needed, using ordinary hacksaw
- ... no thread cutting required
- ... no pipe-wrench labor... just simple trouble-free solder joints
- ... one man easily handles up to 20' lengths of copper tube drainage lines
- ... fittings and tube go together with leak-proof, pressure tight solder joints

**YOU SAVE TIME ALL THE WAY!**

Get all the facts Now about how Chase copper tube plumbing saves time—saves money—gives you better quality in every home you build. And get your FREE copy of the Chase book for builders plus a sample of the *Now's the Time to Buy a House* book that works for you! Just write your name and address on the margin of this page, and mail it to Chase Brass & Copper Co., Dept. AB-4, Waterbury 20, Connecticut.

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**BRASS & COPPER CO.**  
WATERBURY 20, CONN.

Subsidiary of **Kennecott Copper Corporation**

## LOOK WHAT CHASE HAS TO HELP YOU BUILD...AND SELL!



**FREE!** Illustrated 24-page book that gives you details about the savings you can make with Chase copper plumbing.



**THIS BOOK**—imprinted—gives your prospects reasons why now is the time to buy a house. It's a welcome sales tool you'll want to use.



**DISPLAYS** for your model home to help you feature the quality you build into the homes you sell. Ask for details.

THE NATION'S HEADQUARTERS FOR ALUMINUM • BRASS • BRONZE • COPPER • STAINLESS STEEL

Atlanta Baltimore Boston Charlotte Chicago Cincinnati Cleveland Dallas Denver Detroit Grand Rapids Houston Indianapolis Kansas City, Mo. Los Angeles Milwaukee Minneapolis Newark New Orleans New York (Maspeth, L. I.) Philadelphia Pittsburgh Providence Rochester St. Louis San Francisco Seattle Waterbury

## Mr. Builder..for 1 home or 10,000 THERE'S A YEOMANS LOW-COST SEWAGE TREATMENT SYSTEM



For SINGLE Homes  
**CAVITETTE®**  
Miniature "City Type" System



For 10 or MORE Homes  
**CAVITATOR®**  
Full Scale "City Type" Plant

Easier to Finance at Prime Rates  
Because They Are Fully Approved

- Banishes septic tanks.
- Eliminates health hazards.
- Opens up low-cost land.
- Qualifies for federally insured home loans.
- Increases loan value of homes.
- No unpleasant odors, no clogging, no backup.
- Handles waste from garbage disposers, detergents from automatic washers, ALL modern home appliances.
- New selling feature for countryside homes gives faster turnover at better price.
- Service policy with dealers prevents call backs.
- Operates in all climates.
- Installs fast.
- Models for all home sizes.
- Completely warranted by manufacturer and installer.
- Nationwide sales and service network.

- Builders find that original cost of Cavitator community systems is up to 40% less than for individual septic tanks.

- With community systems, local governments often permit builders to use smaller lots . . . thus more houses share original cost of the system.

- Community systems improve the value of homes (both to owner and lender) . . . make them easier to sell.

- Plants are small . . . can easily be camouflaged to look like a home.

- Factory engineer supervises installation, trains operator, tests performance.

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- Packaged . . . shipped as a complete plant ready to lower into place.

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2006-6 N. Ruby Street, Melrose Park, Illinois



ALL YOU NEED  
TO KNOW ON  
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DISPOSAL

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Yeomans Brothers Co.

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Company \_\_\_\_\_

Street \_\_\_\_\_

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

No. of Homes Planned \_\_\_\_\_

TG-5805

## BRAND NAMES DIRECTORY

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UNIQUE Unique Balance Div  
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UNISHEARS Stanley Electric Tools  
UNIT ARCH Starline Inc  
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USCOLITE United States Rubber  
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VENETIAN Coddington E D Mfg Co  
VENETIAN Congoleum-Nairn Inc

(Continued on page 300)

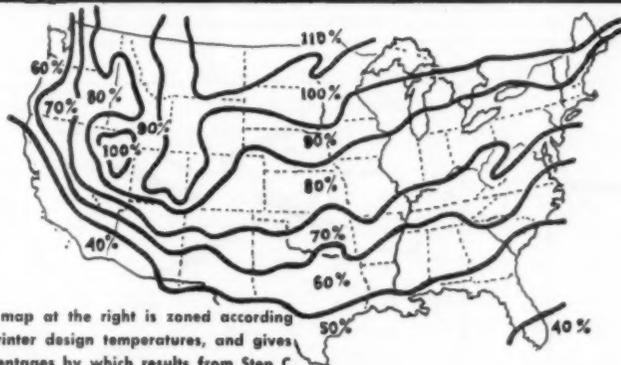
# HEATING, COOLING, VENTILATION

## Condensed Method of Estimating Heating Requirements

### "CONDENSED METHOD" HEAT LOSS FACTORS\*

<b>1.</b>	<b>WINDOWS &amp; DOORS</b>	Multiply sq. ft. by:
a.	Without storm sash	113
b.	With storm sash	75
c.	Double 1/4" glass with 1/2" sealed air space between	55
<b>2.</b>	<b>OUTSIDE WALLS (NET)</b>	Multiply sq. ft. by:
a.	SOLID MASONRY—(Brick, stone, etc.) with plaster applied direct to inside surface of masonry wall.	45
b.	AVG. FRAME—Brick Veneer—Wood Siding—Shingles or Stucco—with sheathing, bldg. paper, studs, lath and plaster	30
c.	FURRED MASONRY—(Same as 2a with air space between plaster and masonry wall)	20
d.	INSULATED FRAME—Same as 2b—with 1" or less insulation board or blanket	20
e.	HEAVILY INSULATED—Same as 2b with 2" or more insulation	10
<b>3.</b>	<b>CEILINGS &amp; INSIDE WALLS</b>	Multiply sq. ft. by:
a.	CEILING—Plaster on lath or wall-board. No floor above—Attic not vented	34
b.	Same as 3a—with 2" or more insulation and ventilated attic	12
c.	CEILING of first floor room below unheated room on second floor	17
d.	INSIDE WALL adjacent unheated room	17
<b>4.</b>	<b>FLOORS</b>	Multiply sq. ft. by:
a.	Double wood floor—over cool basement or other enclosed space	15
b.	Same as 4a—but open space below floor exposed to outside	32
c.	Concrete floor—Directly on ground. No edge insulation	10
<b>5.</b>	<b>INFILTRATION (AIR LEAKAGE)</b>	Multiply each sq. ft. of window and door area by:
a.	WINDOWS AND DOORS. Average fit—Not weatherstripped	50
b.	Average fit—weatherstripped (or equipped with storm sash)	30
c.	Poor fit—not weatherstripped	140
d.	Poor fit—Weatherstripped (or equipped with storm sash)	43
e.	EXTRA FOR EACH OUTSIDE DOOR	1000
f.	EXTRA for air lost up fireplace flue	3000

\*Above factors are approximate heat loss through each sq. ft. of surface with 70° inside and -30° outside.



The map at the right is zoned according to winter design temperatures, and gives percentages by which results from Step C should be multiplied to find actual heating requirements for the locality.

Courtesy: The Coleman Company

### HOW TO USE THE CONDENSED METHOD HEAT LOSS FACTORS

Quantities of heat are measured in units called British Thermal Units (abbreviated BTU).

Heat is lost from a warm building through all of its surfaces exposed to lower temperature. This is called "transmission losses." Heat is also lost due to wind blowing through cracks around windows and doors. This is called "infiltration losses." Total heat loss of a building is the sum of transmission losses plus infiltration losses.

**A** The first step is to find how much heat is lost by transmission. Calculate the areas in square feet of all exposed surfaces of the room or building including:

1. Window and outside door area (combined).
2. Net outside wall (gross wall area minus item 1).
3. Ceiling area (below unheated room or attic space). Inside walls adjacent unheated rooms.
4. Floor area (if space below floor is not heated).

Each of the above areas should then be multiplied by the proper factor from one of the Condensed Method tables.

**B** Next, estimate infiltration losses. This depends on the amount of cold air blown into the house, which is in turn dependent on the size of the window or door and the width of the crack around it. Simply multiply the area of windows and doors already calculated in Step A by the infiltration factor selected from Table 5. Also, since there is more air leakage through door cracks than through window cracks, allow an additional 1000 BTU for each outside door. Add 3000 BTU for each fireplace.

**C** Add the infiltration losses (Step B) and the transmission losses through the windows, walls, etc. (Step A) all together. The sum is the heat that would be lost from the room or building—if the temperature difference between inside and outside were 100°. In other words, this is the amount of heat it takes to maintain 70° inside when the outside temperature is 30° below zero, which would occur only in the very coldest sections of the United States.

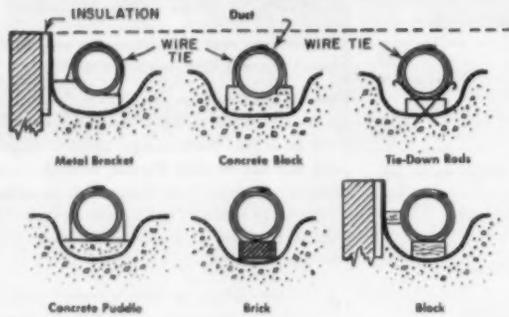
**D** Heating requirements are naturally less where the weather does not get so cold. The average minimum temperature in Dallas, Texas, for example, is only 10° above zero. The "design temperature difference" between inside and outside would be 70° minus 10° equals 60°. Therefore, the heating requirement is only 60/100 or 60% of the amount based on 100° TD.

12

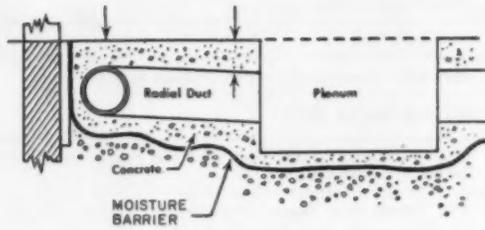
# HEATING, COOLING, VENTILATION

## Design Data for Perimeter Heating

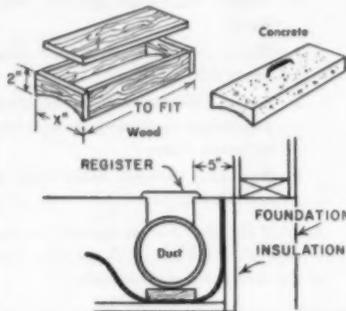
### METHODS OF ANCHORING DUCTS



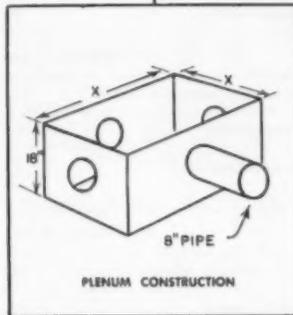
### PLENUM AND DUCT INSTALLATION



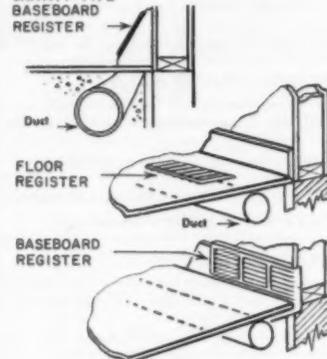
### REGISTER OUTLET FORMS



REGISTER LOCATION

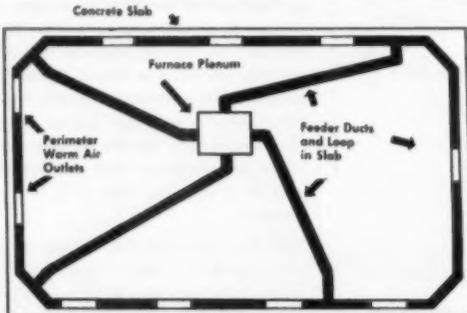


### GRAVITY TYPE BASEBOARD REGISTER

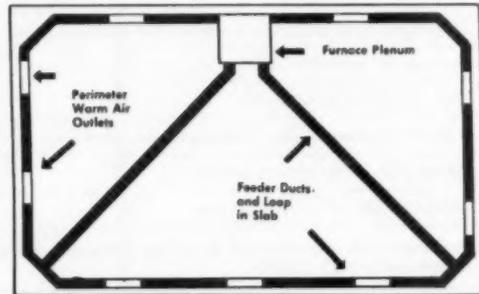


REGISTER TYPES AND LOCATIONS

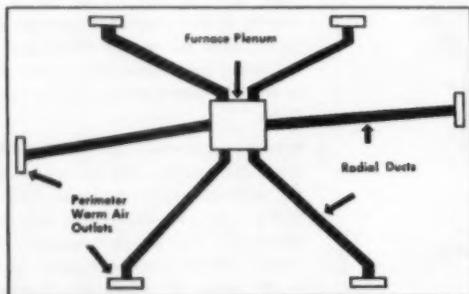
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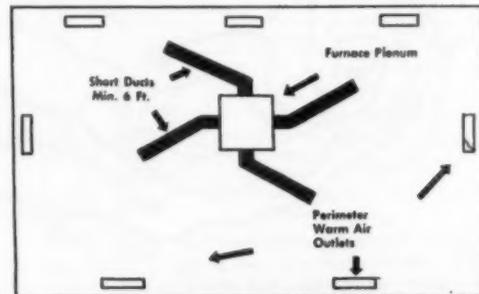
PERIMETER LOOP SYSTEM WITH FEEDER AND LOOP DUCTS IN CONCRETE SLAB



PERIMETER LOOP SYSTEM WITH FURNACE OVER LOOP



PERIMETER RADIAL SYSTEM WITH FEEDER DUCTS IN CONCRETE SLAB OR CRAWL SPACE

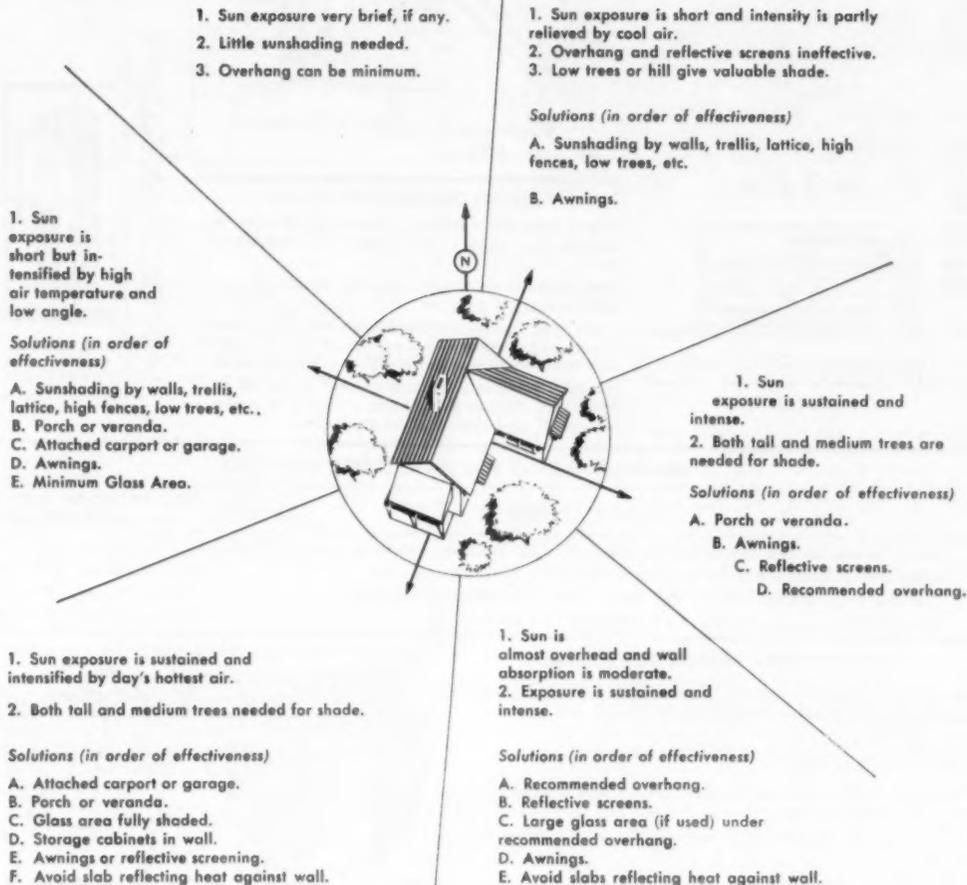


CRAWL SPACE PLENUM SYSTEM

# HEATING, COOLING, VENTILATION

## Planning for Air Conditioning

### Orientation\*



\*Since "ideal orientation" can seldom be attained in project planning, it is necessary to minimize the heat gain through the use of sun-shading devices. Orient your house plan in circle. Locate center of house in center of circle. Draw line from center perpendicular to each wall of house and extend line beyond circumference of circle (see example). Read recommended wall treatment and sunshading in the quadrant that each wall faces. Naturally, these suggested sunshading devices apply whether or not you plan to install air conditioning (cooling) equipment.

### Recommended Roof Overhang\*

Latitude	Height of Eaves Above Window Sill													
	24"	30"	36"	42"	48"	54"	60"	66"	72"	78"	84"	90"	96"	102"
25°.....	9	12	14	16	18	21	23	25	27	30	32	34	37	39
30°.....	12	15	18	21	24	27	30	33	36	39	42	45	48	51
35°.....	14	18	22	25	29	32	36	40	43	47	50	54	58	61
40°.....	17	22	26	30	35	39	43	37	52	56	60	65	69	73
45°.....	20	25	31	36	41	46	51	56	61	66	71	76	82	87
50°.....	25	31	37	43	50	56	62	68	74	80	87	93	99	105

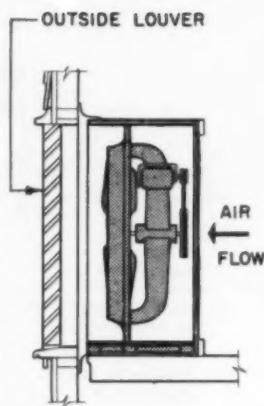
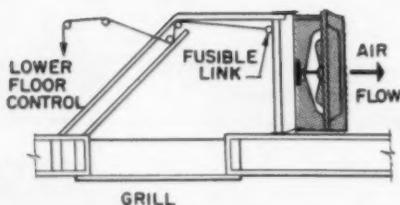
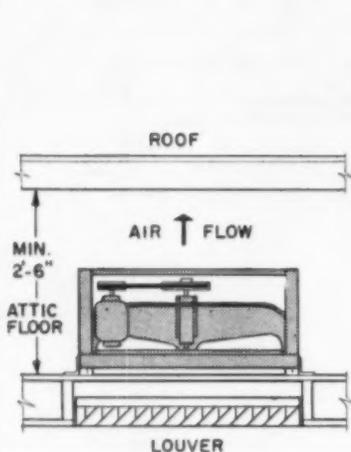
\*Dimensions below staggered line generally not practical as an overhang unless used as porch due to added cost and structural problems. Figures apply to wall facing south.

Data from National Association of Home Builders

NOTE: Space prevents the publishing of cooling load calculator charts. However, several "short methods" of computing cooling loads are available. For one, write to Carrier Corp., Syracuse 1, N. Y.; ask for Residential Cooling and Heating Load Calculator (price: \$2.00). For another, write to Aluminum Co. of America, Alcoa Bldg., Pittsburgh 19, Pa.; ask for publication "Comfort Everybody Can Afford."

# HEATING, COOLING, VENTILATION

## Ventilating Fans



### GENERAL INSTALLATION RULES

Where fans are installed to discharge directly to outside they should be located with prevailing winds.

Fans discharging directly into attic should be centrally located if possible.

Flat-roofed buildings without adequate attic space should be provided with a penthouse for fan location. Either vertical or horizontal units may be used. Provide adequate protection against fire in all installations. Various devices are available to insure fan cut-off and closing of intake louvers.

### MINIMUM AREAS FOR DISCHARGE OPENING

TYPE OF OPENING	SQUARE FEET PER 1000 CFM FREE AIR FAN DELIVERY
Wood louvres backed with 1/2" hardware cloth, 40% minimum free area.....	2.27 Sq. Ft. per 1000 CFM
Metal louvres backed with 1/2" hardware cloth, 50% minimum free area.....	1.82 Sq. Ft. per 1000 CFM
Plain opening covered with 1/2" hardware cloth, 80% minimum free area.....	1.14 Sq. Ft. per 1000 CFM
Automatic or manual shutters, 90% minimum free area.....	1.01 Sq. Ft. per 1000 CFM

### ESTIMATING FAN REQUIREMENTS

The following formula will aid in determining the size of the fan required to adequately ventilate a given area:

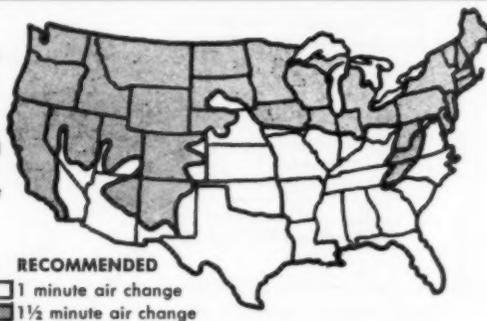
$$\frac{\text{*Cu. Ft. Volume of Area}}{\text{**Rate of Air Exchange}} = \text{CFM (Fan Capacity)}$$

\*When estimating cubic feet contents, closets and other unoccupied areas may be deducted.

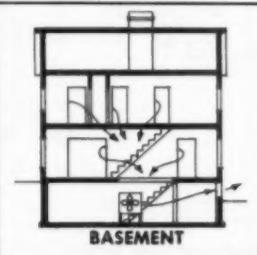
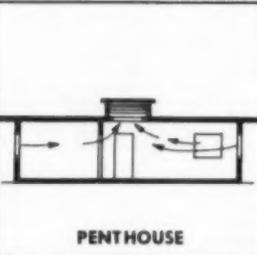
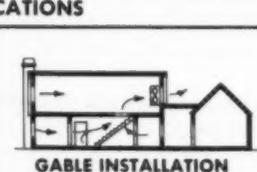
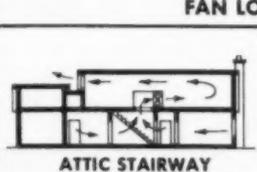
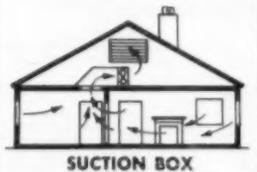
\*\*Select rate of air exchange according to locality from map at the right.

Example:

$$\frac{\text{Volume} = 15,000 \text{ Cu. Ft.}}{\text{Desirable air change} = 1\frac{1}{2} \text{ minutes}} = \frac{15,000}{1.5} = 10,000 \text{ CFM (Fan Capacity)}$$



### FAN LOCATIONS



The installation of attic fans generally follows the three methods shown at top of page. In homes with basements it is sometimes practical, and equally effective, to install the fan in a compartment beneath the basement stairs allowing the discharge to exhaust directly into the basement proper. Intake and discharge louvers should follow the same rules that apply to attic installation. The same precautions should be taken against fire.



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# HEATING, COOLING, VENTILATION

## Relation of Gross Ventilator Area to Net Area

### FHA REQUIREMENTS

Provide cross ventilation for each separate space by ventilating openings protected against the entrance of rain and snow.

Ratio of total net free ventilating area to area of ceiling shall not be less than 1/150, except that ratio may be 1/300 provided:

- a. A vapor barrier having a transmission rate not exceeding one perm is installed on the warm side of the ceiling; or
- b. At least 50 per cent of the required ventilating area is provided by ventilators located in the upper portion of the space to be ventilated (at least 3'-0" above eave or cornice vents) with the balance of the required ventilation provided by eave or cornice vents.

Attic space which is accessible and suitable for future habitable rooms or walled-off storage space shall have at least 50 per cent of the required ventilating area located in the upper part of the ventilated space as near the high point of the roof as practicable and above the probable level of any future ceiling.



### FREE AREA VENTILATION GUIDE

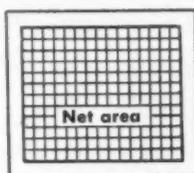
Square inches of ventilation required for attic areas

LENGTH (IN FEET)	WIDTH (IN FEET)												
	20	22	24	26	28	30	32	34	36	38	40	42	
20	192	211	230	250	269	288	307	326	346	365	384	403	
22	211	232	253	275	296	317	338	359	380	401	422	444	
24	230	253	276	300	323	346	369	392	415	438	461	484	
26	250	275	300	324	349	374	399	424	449	474	499	524	
28	269	296	323	349	376	403	430	457	484	511	538	564	
30	288	317	346	374	403	432	461	490	518	547	576	605	
32	307	338	369	399	430	461	492	522	553	584	614	645	
34	326	359	392	424	457	490	522	555	588	620	653	685	
36	346	380	415	449	484	518	553	588	622	657	691	726	
38	365	401	438	474	511	547	584	620	657	693	730	766	
40	384	422	461	499	538	576	614	653	691	730	768	806	
42	403	444	484	524	564	605	645	685	726	766	806	847	
44	422	465	507	549	591	634	676	718	760	803	845	887	
46	442	486	530	574	618	662	707	751	795	839	883	927	
48	461	507	553	599	645	691	737	783	829	876	922	968	
50	480	528	576	624	672	720	768	816	864	912	960	1008	

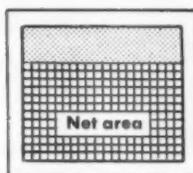
### HOW TO USE FREE AREA VENTILATION GUIDE

Using length and width dimensions of each rectangular or square attic space, find one dimension on vertical column, the other dimension on horizontal column. These will intersect at the number of square inches of ventilation required to provide 1/300th.

Remember — 1. Include overhang of roof area in measurement of attic areas. 2. At least 50% of the required ventilation must be in the highest part of the roof practicable. 3. Provide cross ventilation for each separate space.



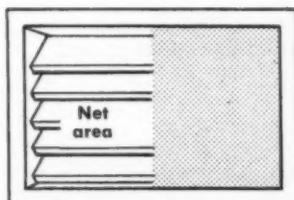
**1/4" MESH SCREEN**  
Gross area = Net area



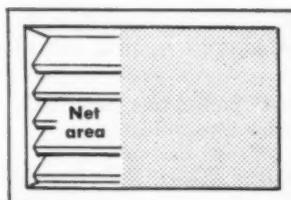
**1/8" MESH SCREEN**  
Gross area = 1.25 × Net area



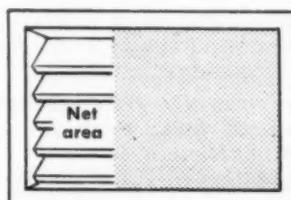
**1/16" MESH SCREEN**  
Gross area = 2 × Net area



**LOUVERS WITH 1/4" MESH SCREEN**  
Gross area = 2 × Net area

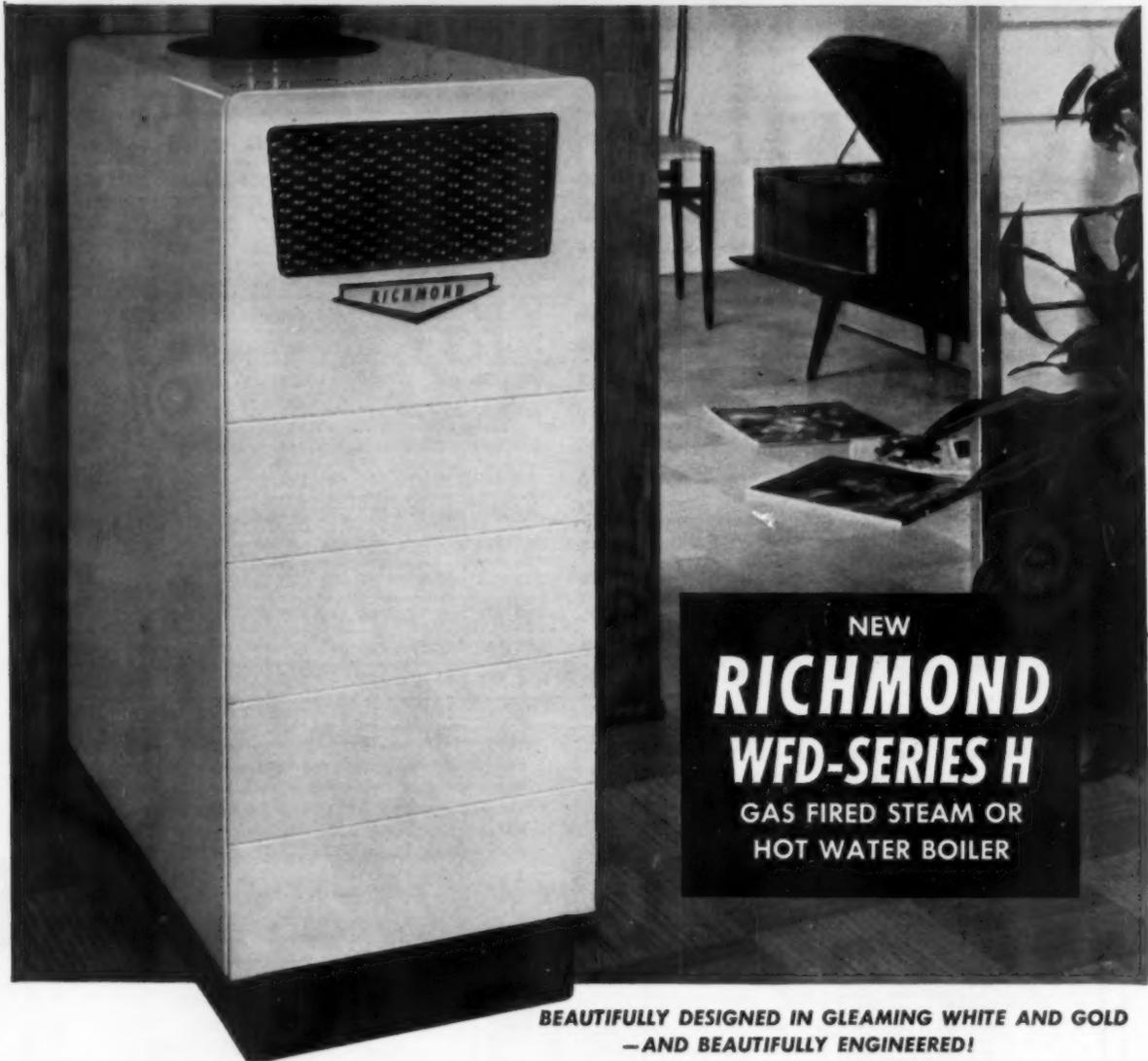


**LOUVERS WITH 1/8" MESH SCREEN**  
Gross area = 2.25 × Net area



**LOUVERS WITH 1/16" MESH SCREEN**  
Gross area = 3 × Net area

**HERE!** *The Home Appliance Look of 1960!*



**BEAUTIFULLY DESIGNED IN GLEAMING WHITE AND GOLD  
—AND BEAUTIFULLY ENGINEERED!**

The slim, trim Richmond WFD is only 39" high, comes completely enclosed\* in a glistening white enamel jacket, performs superbly in practically any residential gas-fired, wet-heat situation.

**Economical:** Improved "triple-layer" insulation plus wet-base sectional design with new low water capacities minimize fuel consumption.

**Efficient:** New optional tankless coil for generous hot water supply. Fully automatic, amazingly quiet!

**Versatile:** 9 sizes from 78,000 to 300,000 BTU/Hr. input permit *precise matching* of more installations. AGA approved for manufactured, natural, mixed and straight propane gases, and L-P gas-air mixtures.

**Rugged:** Heavy gauge steel "damp-proof" jacket has patented "Duradized" finish. Porcelainized exterior flue-collector is corrosion resistant.

**Easy to Install:** Fits smallest space. Easy to service with top clean-out. Wet base—installs on any (even combustible) floor. Recommend the WFD confidently and *profitably* for recreation or utility rooms, basements and laundries. Write today for details.

\*first four residential sizes

  
**RICHMOND**

16 Pearl Street, Metuchen, N. J.

# 30<sup>th</sup>. Anniversary

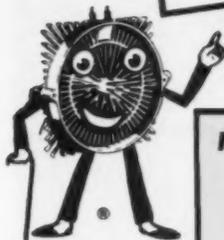
1929  
1959

## ELECTROMODE

LEADER IN ALL-ELECTRIC HEAT

### What this means to BUILDERS!

With some 30 years devoted exclusively to the design and production of electric space heating equipment, valuable experience has been gained. This "know-how" in the electric heating field provides a vast source of helpful information readily available to builders. Our engineers are qualified to assist you on how to determine heat loss, recommended procedures for insulation, method of estimating heater capacity required, installation procedures, and other technical information.



MR. SAFETY GRID

## 30 YEARS of SAFETY!

**MR. SAFETY GRID** stands for the *safest* in electric heaters and only Electromode Heaters have this feature. It's the completely sealed-in cast-aluminum heating element. There are no open wires, no glowing coils. This heating element provides positive protection against fire, shock or burn.



## BASEBOARD Electric HEATERS

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 room.

Available in 3 Units in following capacities:

600 watts—32" long, 8½" high, 3" wide

900 watts—48" long, 8½" high, 3" wide

1200 watts—64" long, 8½" high, 3" wide



### ELECTROMODE WALL-TYPE AUTOMATIC BIG ROOM HEATER



Heat is fan-circulated by Down-Flo principle.

Heavy duty hydraulic action thermostat.

Wall box opening: 18¼" high, 14¼" wide, 4⅝" deep. Front plate: 21" high, 17" wide. Extends 1" from wall.

Capacities: 1500, 2000, 3000, 4000 watts.

Finish: Silver Gray.

### ELECTROMODE AUTOMATIC WALL MODELS



*For Quick, Economical Heat in Bathroom or Small Room*

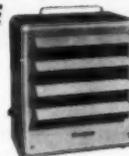
Fan-circulated heat ideal for Bathroom. Drying hair, damp towels, etc. Heavy duty hydraulic action thermostat.

Wall box opening: 9⅞" high, 11⅞" wide, 3⅞" deep. Front plate: 11½" high, 12⅞" wide. Extends 2" from wall.

Capacities: 1320 watts. 110 volts.

Finish: Chrome or White Enamel.

### ELECTROMODE COMMERCIAL & INDUSTRIAL PORTABLE ELECTRIC HEATER



Model C & I 5. 5KW.

Especially helpful during building construction for drying plaster and providing comfortable working temperature. Adjustable deflectors for directing fan-forced heat into area desired. Perfectly safe to leave unattended. Requires no maintenance.

**MORE THAN 100 MODELS IN COMPLETE ELECTROMODE LINE**

Models Not Shown Include:  
Panel Heaters • Radiant Cable Heat  
Portable Fan-Circulating Models  
Industrial Unit Heaters • Farm Heaters

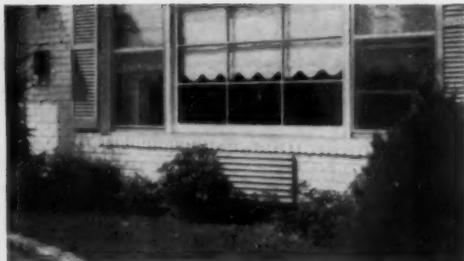


▶ SEE ELECTROMODE HEATERS IN SWEET'S CATALOG  
Send for Electromode Heating File EC-126

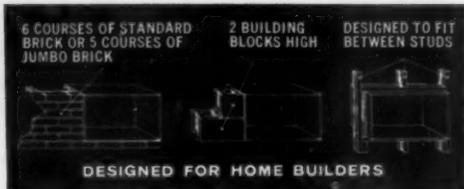
**ELECTROMODE** division of Commercial Controls Corporation  
Dept. AB-59, 570 CULVER ROAD, ROCHESTER 3, NEW YORK



**INSIDE**, the new *Thinline* air conditioner panel can be painted or papered to blend in with room décor. Easy-to-reach controls are hidden from view.



**OUTSIDE**, the Built-in *Thinline* has a "no-see-through" aluminum grille. It can be painted to match exterior. From street, it has a neat, built-in look.



## New General Electric Built-in Thinline Solves more builder problems than any other air conditioning system

Designed specifically for home builders. The new Built-in *Thinline's* aluminum case is exactly as high as two building blocks with mortar, six courses of standard brick, or five courses of jumbo brick. Case fits between a standard two-stud width. Unit actually becomes part of the wall.

**Problem SOLVED!** **Cuts on-site costs**—Your workmen build case into the wall during construction—slide the unit into place when the building is finished. No ductwork or plumbing needed.

**Problem SOLVED!** **Preserves beauty of home**—Inside panel can be painted or papered to match interior. It blends with room décor! Outside grille can be painted to match exterior.

**Problem SOLVED!** **Flexible**—You can now air condition as little or as much as you need to assure a quick, profitable sale.

**Problem SOLVED!** **Economical**—Saves you labor cost in installation, the material cost of ductwork and plumbing. This means the new General Electric Built-in *Thinline* system costs less than most central systems.

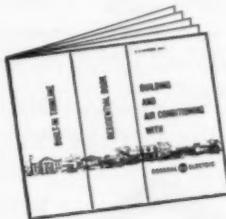
**Problem SOLVED!** **Powerful, but quiet!**—One model, packing up to 10,000 BTU's\*, is enough to cool the large rooms in an average-sized house. A second complementary model, with extremely low noise level, is ideal for bedroom use.

**Problem SOLVED!** **Buyer acceptance**—It's assured! Because your customers know the General Electric name. They know they're getting dependability and advanced design.

### SPECIFICATIONS

BTU/hr.—	MODEL NUMBER	
	R4355	R4755
ASRE Cooling Capacity..	5300	9500
Voltage.....	230	230
Amperage (nameplate)...	5.0	6.9
Watts (ASRE).....	1000	1575
Height of cabinet.....	15 5/8"	15 5/8"
Depth.....	12"	16 7/8"
Width.....	26"	26"
Depth of Louvers.....	1 1/4"	1 1/4"

\*Cooling capacities are tested and rated in compliance with NEMA Publication No. CNI-1959, and are stated in British Thermal Units.



See your G-E representative, or

#### SEND FOR FREE BOOKLET

Get the whole story. How you can save air conditioning dollars—and still give home buyers the latest and best in home cooling. Write to Miss Gail Evans, Dept. AB-4, General Electric Company, Appliance Park, Louisville 1, Kentucky.

*Progress Is Our Most Important Product*

**GENERAL  ELECTRIC**

Announcing...Dynamic new

WILLIAMSON

**SPECIAL SERIES  
Gas and Oil Furnaces**

- Exclusive *Seal-Tite\** Design
- Interchangeable... Gas or Oil Fuel
- Factory assembled, wired and fire tested
  - AGA Seal of Approval
- Designed for Air Conditioning
- 10 Year Factory Guarantee



Hi-Boy Model



Lo-Boy Model  
with Air Conditioning



Counter-Flow Model

A dramatic addition has been made to the Williamson Complete Product Line . . . the years ahead SEAL-TITE\* design in a sleek, two-tone decorator gray cabinet for furnaces! These units have real consumer appeal. Engineered for maximum air flow with SEAL-TITE\* . . . and, best of all . . . these units are dust tight!

Smaller and more compact per BTU than any other furnace with as many exclusive features!

Complete interchangeability . . . install temporarily with oil and when gas fuel is available, convert to gas with an AGA listed package!

Especially designed for use with Air Conditioning . . . addition of Coil and Outdoor Condenser converts units into a Yearound\* Air Conditioner.

ALL UNITS ARE 22 1/4" WIDE

BTU	DEPTH (in inches)			HEIGHT (in inches)		
	HI-BOY OR COUNTER-FLOW	LO-BOY	HI-BOY	LO-BOY	COUNTER-FLOW	
75,000*	25	41	62	44 1/4	65	
100,000	29	47	62	44 1/4	65	
125,000	32	52	62	44 1/4	65	
150,000	35	55	62	44 1/4	65	
175,000	40 1/2	—	67	—	70	
200,000	45 1/2	—	67	—	70	

\*Not available for oil fuel

*Years Ahead Design.*

For detailed information, send coupon!

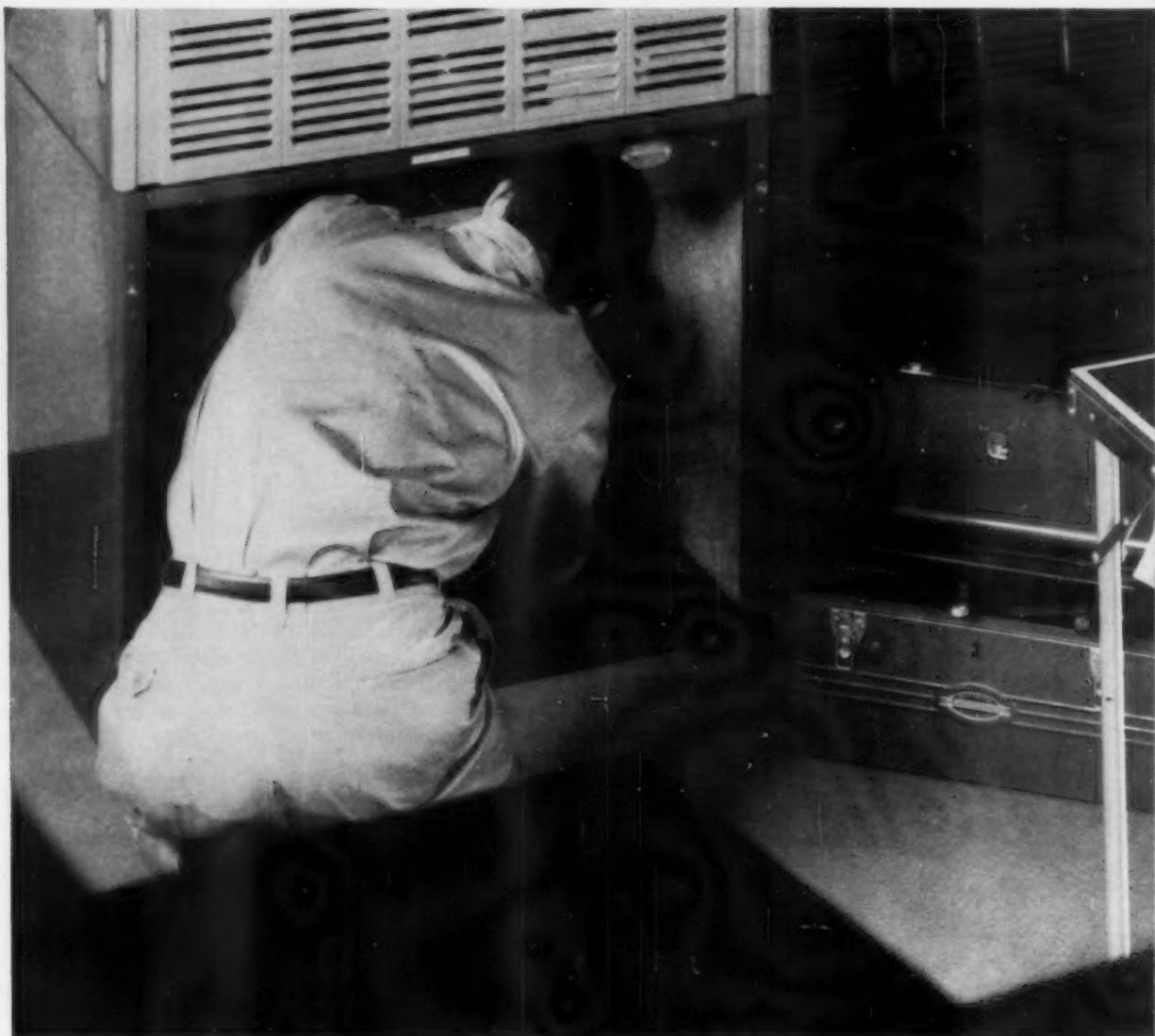
THE WILLIAMSON COMPANY  
3330-L-4 Madison Rd., Cincinnati 9, O.

I want more information on the new Williamson Seal-Tite Special Series Furnaces.

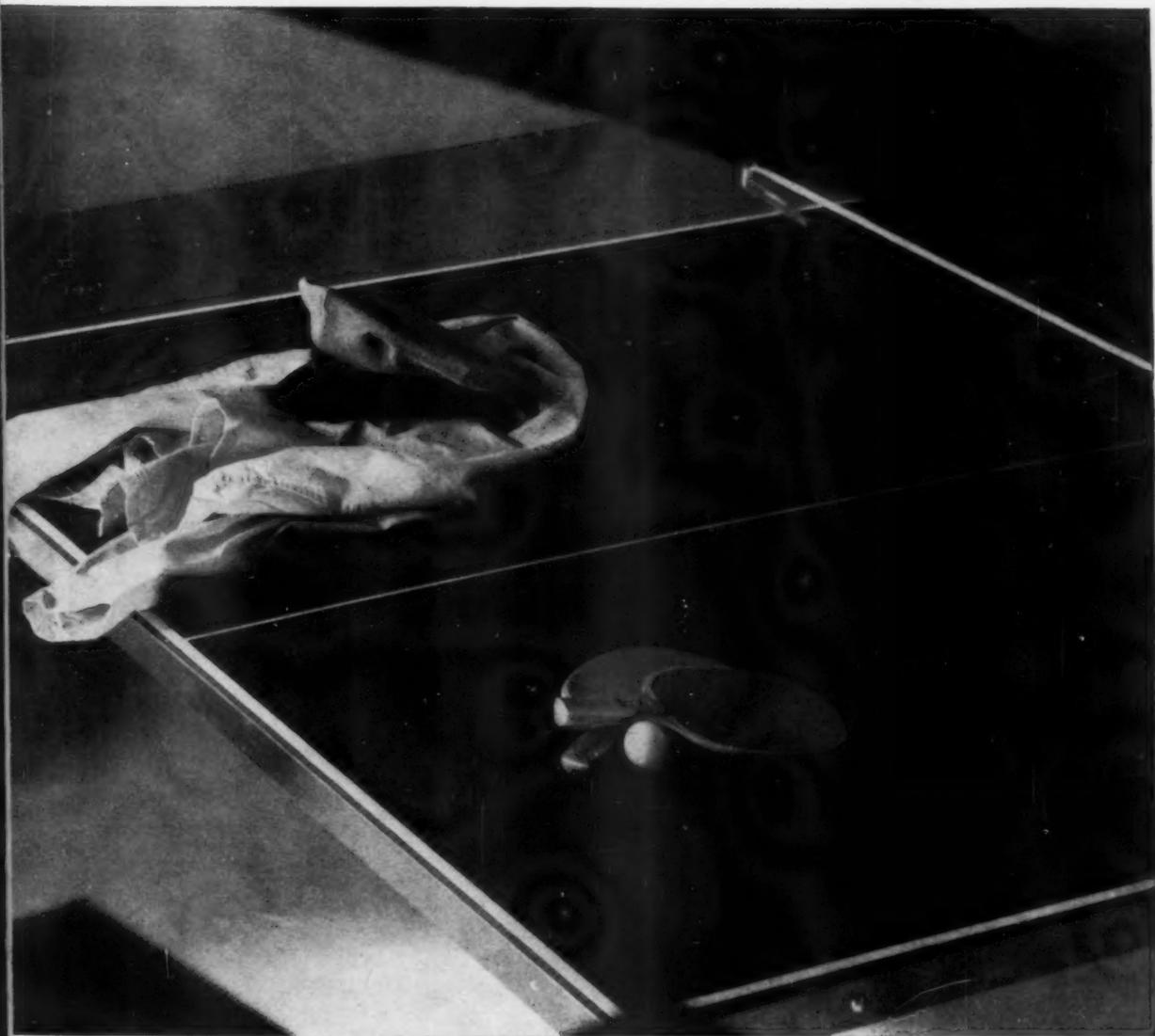
Name \_\_\_\_\_

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



HERE'S HOW  
LENNOX QUALITY  
PAYS OFF FOR YOU



**Lennox dealers follow up each installation with a meticulous adjustment program to assure accurate, trouble-free operation.**

The responsibility of your local Lennox Comfort Craftsman does not end with the sale of your homes. After buyers move in, he returns to test the actual performance of the heating and air conditioning units he has installed. He makes whatever adjustments are necessary, handles whatever servicing is required—to assure 100% trouble-free operation. Buyers are kept happier; you're not bothered by annoying complaints and call-backs.

*Lennox quality works for you in other ways, too!*  
For example: Your local Lennox Comfort Craftsman (who's engineer-trained) deals directly with a nearby

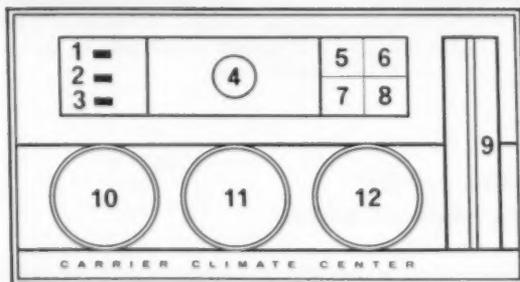
factory. He's always on the job at the right time with the right equipment. He offers the world's largest line of heating and air conditioning equipment plus the selling power of the Lennox name: most widely known, most widely advertised, most widely preferred of all makes in home heating and air conditioning.

Get facts on the Lennox merchandising program, which includes professionally planned advertising materials, in-home displays, personalized builder brochures and billboards. For sample merchandising aids, write Lennox, Marshalltown, Iowa.

**LENNOX** ...world leader in indoor comfort  
for homes, business, schools



# NOW SOMETHING BIG HAS



## THE CARRIER CLIMATE CENTER REPORTS:

1 heating or cooling cycle; 2 fan operation; 3 night setback; 4 indoor temperature; 5 filter cleanliness†; 6 pilot light operation†; 7 condensate operation†; 8 compressor performance†; 9 outdoor temperature; 10 time and night setback indicator; 11 barometric pressure, and 12 indoor temperature and humidity.

†Optional

HAPPENED TO AIR CONDITIONING!

# The Revolutionary New Carrier Climate Center

*gives home buyers new mastery of indoor climate  
...puts powerful new sell into your houses!*

Ever sat behind the controls of a plane? Or stood on the bridge of a ship? Then you have a fair idea of how you'll feel when you stand in front of the Carrier Climate Center.

This handsome 8-by-14-inch wall panel which installs between studs is more than a weather bureau... which it is. More than a control board... which it is. More than an automatic monitor that reports on the operation of a Carrier air conditioning system... and it's that, too.

The Climate Center is the heart of a Carrier air conditioned Weathermaker\* Home. Here your customer is master of the well-being of his family. He can see the performance of his system—and be able to precisely control it. See what the weather is outside—and what it will be like tomorrow. And see new ways to effect

economies. One example: a timer that can be preset to automatically lower the temperature in the house during sleeping hours. Another: a warning light that signals when replacing filters will improve efficiency.

Now your customer can watch—as well as experience—perfect climate control in operation. He can custom-tailor indoor climate to the preferences of his family. And be sure that he's always getting the best from his system—the all-season comfort, the cleanliness, the health that truly fine air conditioning provides.

**Hitch your wagon to this brilliant new merchandising star! See your Carrier dealer for full details. He has technical assistance, promotional support and merchandising programs. Look him up in the Yellow Pages before another selling day goes by! Or write Carrier Corporation, Syracuse 1, New York.**

\*Reg. U. S. Pat. Off.

MORE PROOF OF  
BETTER AIR CONDITIONING FOR EVERYBODY  
EVERYWHERE



*Easier and  
Faster*  
to INSTALL

THE NEW

**McQuay**

STAINLESS STEEL FLUE

**PACKAGE CHIMNEY**



The new McQuay Package Chimney is the finest. It tests better because it is built better—by McQuay, with more than a third of a century of heating experience—and is easier and faster to install. Compare McQuay quality, compare erection time and costs, compare McQuay advantages. Then you'll see why the new McQuay Package Chimney excels in every way. See your jobber or write McQuay, Inc., 1699 Broadway Street N.E., Minneapolis 13, Minnesota.



Starter Box and Starter Section in one unit for fast erection. Interliner and stainless steel flue supported by exclusive McQuay stainless steel and aluminized steel tension spring spacers. Permits quick drafts and even temperature top to bottom for peak efficiency under steady or intermittent firing.

Check these features against those of any other chimney!

- Stainless steel flue • Handles all fuels • Light weight • Strong and durable • Long life • Baked on finish • Quick installation
- Low installation costs • Competitively priced
- Safe—U.L. approved

**McQuay**  
TV Means Quality

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VERI NEET Northern Industries Inc  
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VERSA-VISE Will-Burt Co  
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VIBRO-GRAVER Burgess Vibrocrafters  
VIBRO-SPRAYER Burgess Vibrocrafters  
VIBRO-TOOL Burgess Vibrocrafters  
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VICTOR (Heater) Cleveland Heater Co  
VICTOR SUN CONTROL Victor Tool & Machine Corp  
VIEW-O-RAMIC Wisco Inc  
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VIKING Lehman Sprayshield  
VIKING (Windows) Aluminum Industries  
VIKON Vikon Tile Corp  
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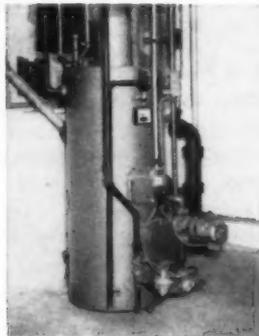


## THESE "Hydronic" HOMES SOLD FAST!



### THE B & G BOOSTER

Engineered for compactness, silent operation and years of dependable service, this electric circulating pump is the basic unit of the B & G *Hydro-Flo* System.



Typical space-saving B & G *Hydro-Flo* System heating plant. The boiler has a built-in water heater.

In this home development, 300 homes were sold over one weekend. Not the least of the factors which influenced such a rapid sale is the fact that these homes are equipped with "hydronic" baseboard forced hot water systems, using B & G *Hydro-Flo* equipment.

B & G *Hydro-Flo* Heating is the feature which lifts homes out of the rut...adds distinction and value far beyond the actual cost. No other type of system can offer so many possibilities for more comfortable, more convenient living.

The B & G *Hydro-Flo* System can be installed initially as a forced hot water system with all the benefits of controlled *radiant* warmth. It can be inexpensively zoned to permit the proper distribution of heat, particularly valuable in split-level homes.

Other *Hydro-Flo* features, such as summer cooling with chilled water and snow melting panels, can be included, either when building or any time thereafter.

For all the facts send for illustrated booklet—see why more and more builders are turning to *hydronic* heating with the B & G *Hydro-Flo* System.



\*Reg. U.S. Pat. Off.

# *Hydro-Flo* SYSTEM

## BELL & GOSSETT

COMPANY

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Canadian Licensee: S. A. Armstrong Ltd.,  
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**BAR-BROOK\***

**BREEZEBUILDER\***

**Package Unit**

**ATTIC FANS**

. . . are true package units—  
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Fan, motor, ceiling shutter, and suction box are completely factory assembled, and wired to standard knock-out box on top of fan. Pre-cut ceiling trim. The builder's answer to economical home cooling. 3 sizes for 31", 36", 42" ceiling openings. UL Approved.



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Also Model FH Fans for vertical or horizontal operation. 6 sizes, 30" to 54".



\*T.M. Reg.  
U.S. Pat. 08.

Shreveport, Louisiana  
FAN MAKERS SINCE 1932

**NEW!**

**MARKEL**  
**Heetaire-Lite-Exhaust**



The only Combination  
Bathroom Built-In that  
Does All Three — AT THE SAME TIME!

**HEATS!** Infra "Cherry" Red Radiant Heat INSTANTLY surrounds YOU!

**EXHAUSTS!** Eliminates Steam and Odors Quickly and Quietly!

**LIGHTS!** 100-Watt Bulb — Complete Illumination — Eliminates Need of Ceiling Fixture!

**Exclusive PUSH-BUTTON WALL CONTROL** included with Heetaire-Lite-Exhaust!

**New! HEETAIRE - LITE**

For Bathrooms, Motels, Ticket Booths, Porches . . . almost anywhere! See and Feel — Instant Infra-Red Heat plus Complete Lighting . . . 100 Watt Bulb.

**HEETAIRE**

The First Ceiling Heater with Completely Sheathed "Cherry" Red Radiant Element for Abundant Infra-Red Heat!

All Ceiling Heetaires available 120 or 240 V.

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- VUE-LUME BON AIR Shower Door Co of America
- VULCATEX Horn A C Companies
- VUL CO-ETT Vulcan Metal Prods Inc
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- VYNL-FLOR RCA Rubber Co
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- WATER-BOSS Masonry Waterproofing
- WATER-CHEX Coddington E D Mfg
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(Continued on page 308)



**New  
Metal  
Gas Vent  
By  
Van-Packer**

**Distinctive appearance, rigid strength and easy installation**

**Let's look at performance.** The Van-Packer is a double-walled, air-insulated gas vent. Its active air movement has no blockage at joints. This free air passage results in safety and good draft. It's also gas tight at the joints.

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**Let's look at assembly.** It's easy to assemble and requires no tools, just push-snap twist. Joints are smooth, too. No sharp edges or corners to cut fingers or tear gloves.

Van-Packer gas vent pipes and fittings meet all gas venting situations, building and code requirements. The round vent pipes are sized from 3 to 20 inches in diameter and the oval vent pipes are in 4 and 5 inch sizes. UL listed for Type B and Type BW service.

Only Van-Packer, worlds largest manufacturer of flues, offers you Metal or Masonry Gas Vents, All-Fuel Masonry Chimneys and Prefabricated Refractory Smoke Stacks. Write for Gas Vent Catalog MGS-34-12.

**VAN-PACKER**

Division of **FLINTKOTE** America's Broadest Line of Building Products  
Van-Packer Co. 1232 McKinley Ave., Chicago Heights, Ill. • SKyline 4-4772



28 gauge galvanized steel outer wall and .016 inch aluminum inner wall.



Round pipe just push-snap-twist to assemble. No tools are needed.

# 15

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- 2 Healthful draft-free warmth in any home design
- 3 Easily extended for future growth
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- 5 Warm floor for healthful play area
- 6 Clean, inconspicuous heat distribution
- 7 Whisper-quiet
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- 11 A boiler for efficient use of every fuel
- 12 Cast iron boiler for lifetime service
- 13 Hot faucet water at low cost
- 14 Packaged for fast and accurate installation
- 15 Minimum service

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\*Hydronics—the science of heating and cooling with water.

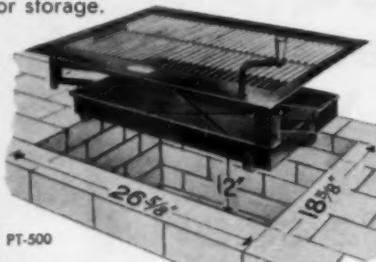
**DUNKIRK RADIATOR CORPORATION**  
DUNKIRK, NEW YORK

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304

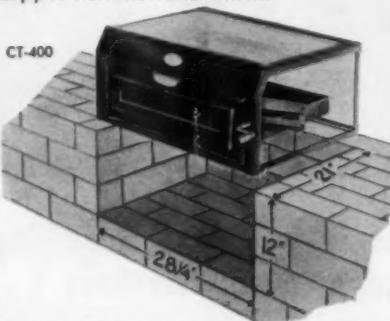
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Complete barbecue units ready for easy installation. Handsomely styled of sturdy steel construction. Simple to operate. Easily removed for cleaning or storage.



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Model PT-500 (pit type) and Model CT-400 (cabinet style) for kitchen, patio or outdoor use. Crank raises or lowers fire, grill remains stationary. Black or copper-hammertone finish.



CT-400

Model OD-300. Burns wood or charcoal. Adjustable fuel grate. Black finish.

Feastmasters are rust-inhibitive primed and painted with heat-resistant non-toxic baked enamel. Grills are plated.



OD-300

Electric motor and spit available for all Feastmaster models.

SOLD THROUGH LEADING BUILDING MATERIAL AND LUMBER DEALERS EVERYWHERE.

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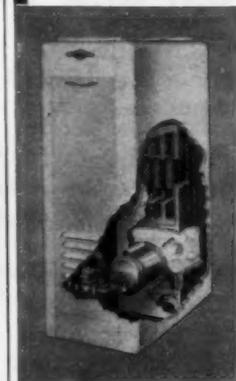
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New! **ROBERTS-GORDON**  
"Petite" Gas-Fired  
**CAST IRON**  
**HOT WATER BOILERS**



Builders everywhere are saying, "We didn't think we could ever get so much boiler at such a low price!" Roberts-Gordon "Petite" Boilers are compact, ready-to-install "packages". Perfect for space-saving installations in new homes and multiple apartments. Can be used singly, or in tandem for low-cost zone control. Easy to install, tops in efficiency. Ruggedly-built for dependable, trouble-free performance. 50,000, 70,000 and 90,000 BTU/Hr.

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## CAST IRON GAS HOT WATER BOILERS

These trouble-free units utilize the famous Roberts-Gordon "Spreader-Flame" principle, which insures maximum heating efficiency. Ideal for all gravity or forced circulation hot water heating systems. Wet base greatly increases efficiency and adaptability. Easy installation, minimum maintenance. 78,000, 115,000 and 150,000 BTU/Hr.

## "Lampadaire" GORDON GAS LAMPS

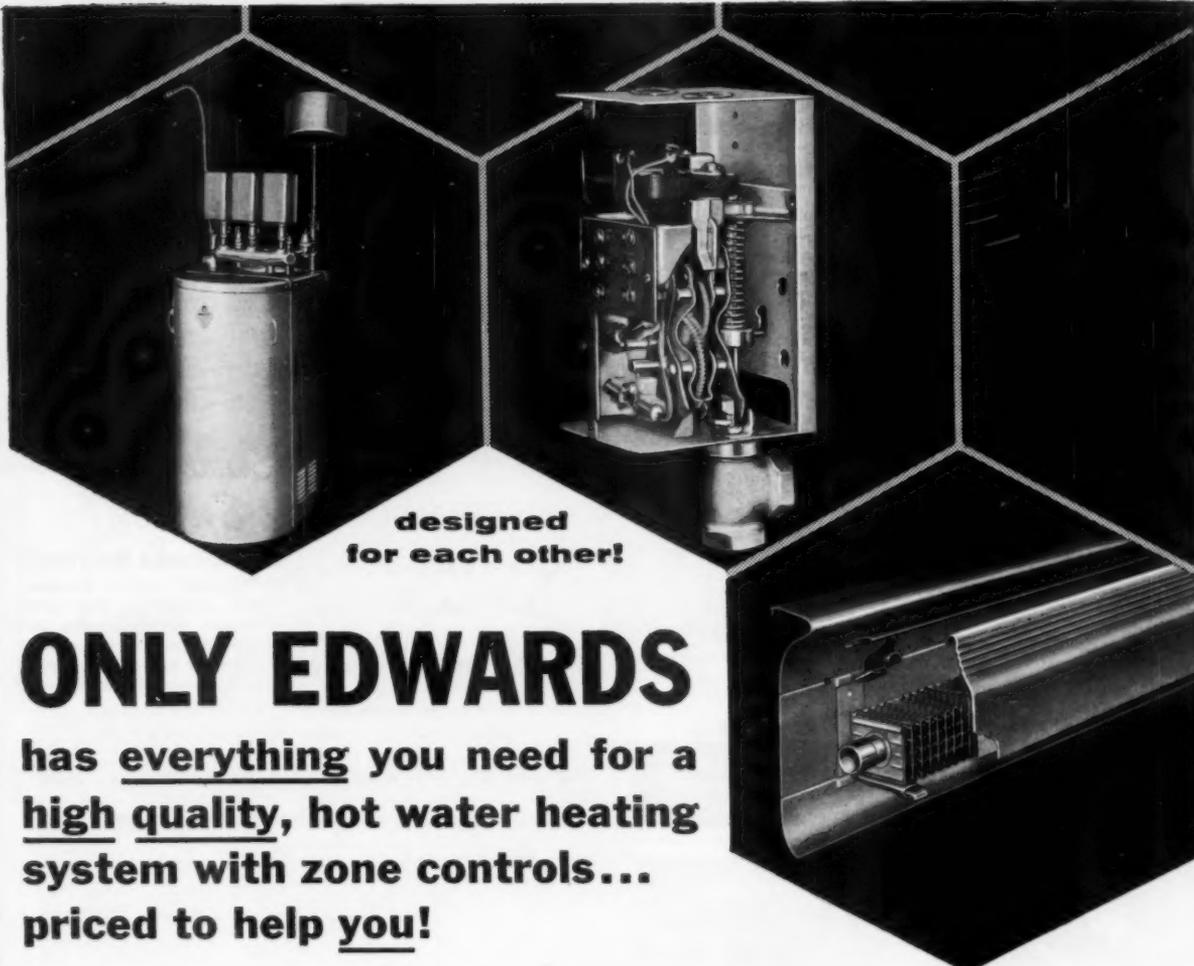
Offers an outstanding opportunity for EXTRA PROFITS to Builders!



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AMERICAN BUILDER



**designed  
for each other!**

**ONLY EDWARDS**  
has everything you need for a  
high quality, hot water heating  
system with zone controls...  
priced to help you!

Everything you need for efficient, low cost zone control heating—heating unit, zone control valves, and baseboard elements—are now available from **one** dependable source: Edwards Engineering!

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**MOTORIZED ZONE CONTROL VALVES** feature completely enclosed, hermetically sealed mercury switches; completely silent with positive shut-off valve. No thermal leakage when closed. Uses standard 3-wire low-voltage thermostat; electric power drawn only during opening and closing; excellent for hot water or steam systems.

**BOX-FIN BASEBOARD ELEMENTS** are factory cut to **any desired length**, making installation simple, economical, and eliminating ugly joints and splicers. No metal to metal contact; available in white, chrome, copper-tone and wood-grain.



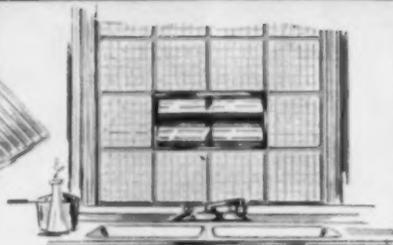
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**EDWARDS ENGINEERING CORP.**

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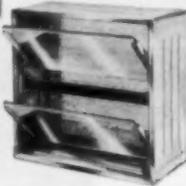
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TRADE MARK  
 the ALL-WEATHER LOUVERED VENTILATOR  
 for Small Area Glass Block Panels



**NEW FEATURE**

Permits the EASY Removal of the Louver Assembly from inside the room for cleaning.



**EXTERIOR**  
 Available with either Stainless-Steel or Glass Louvers

Purchase through your Glass Block Dealer or Distributor . . . also sold nationally by  
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 Glass Louvers with Finger-tip Adjustment

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**BUILT-IN FURNACE**

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 The only built-in furnace that beautifies and sells homes by delivering its warmth to floors in every room by means of a powerful blower. (Patents now pending.)

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**FIREPLACE ENCLOSURE**  
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 Doors and Solid Brass Frame

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It's unique and functional . . . gives any fireplace unusual appeal . . . sizes for all types of openings.



**WHY BUYERS LIKE THE THERMO-RITE:**

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 DEALERS . . . write for complete details. Canadian Plant: St. Catharines, Ontario

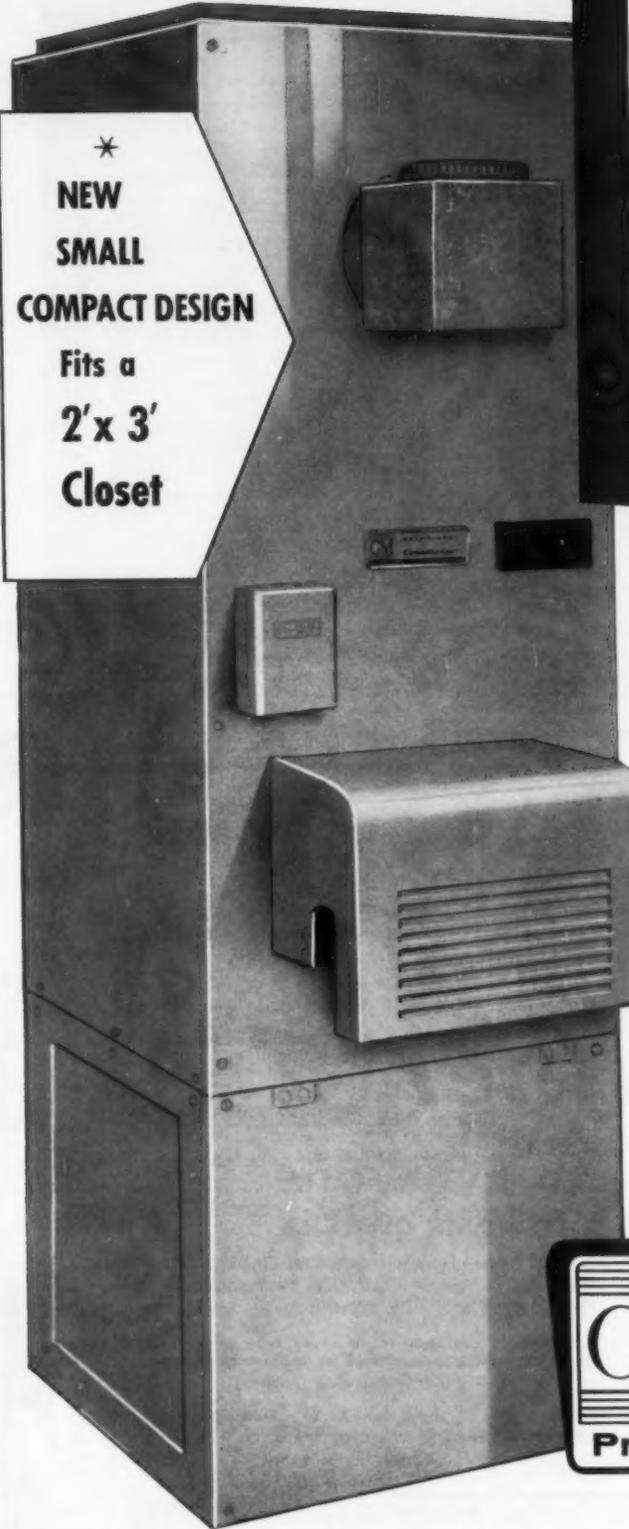
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**NEW "CLOSET-SPACE" DESIGN** • Completely new design and engineering put high heating efficiency into a small package. Gas-fired models measure only 20" wide x 64" high x 28 $\frac{1}{8}$ " deep (including burner). Depth of oil-fired models with burner is only 30 $\frac{1}{4}$ ". Sheer, clean lines and attractive baked-on enamel in Cameo Beige harmonize with modern decoration. It's the ideal furnace for small homes, or for auxiliary heating of basement playrooms, and home additions.

**HIGH CAPACITY** • Output of oil-fired models is 70,000 BTU/HR. Input of gas-fired models is 80,000 BTU/HR.

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**DEPENDABILITY** • Developed and backed by General Motors . . . the world-famous quality brand all home owners know.

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General Motors Corporation, Rochester 1, N. Y.

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 WEBCOM Weber Showcase & Fixture  
 WEBERWALL Weber Showcase & Fix-  
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 (Continued on page 316)

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*Lightweight*

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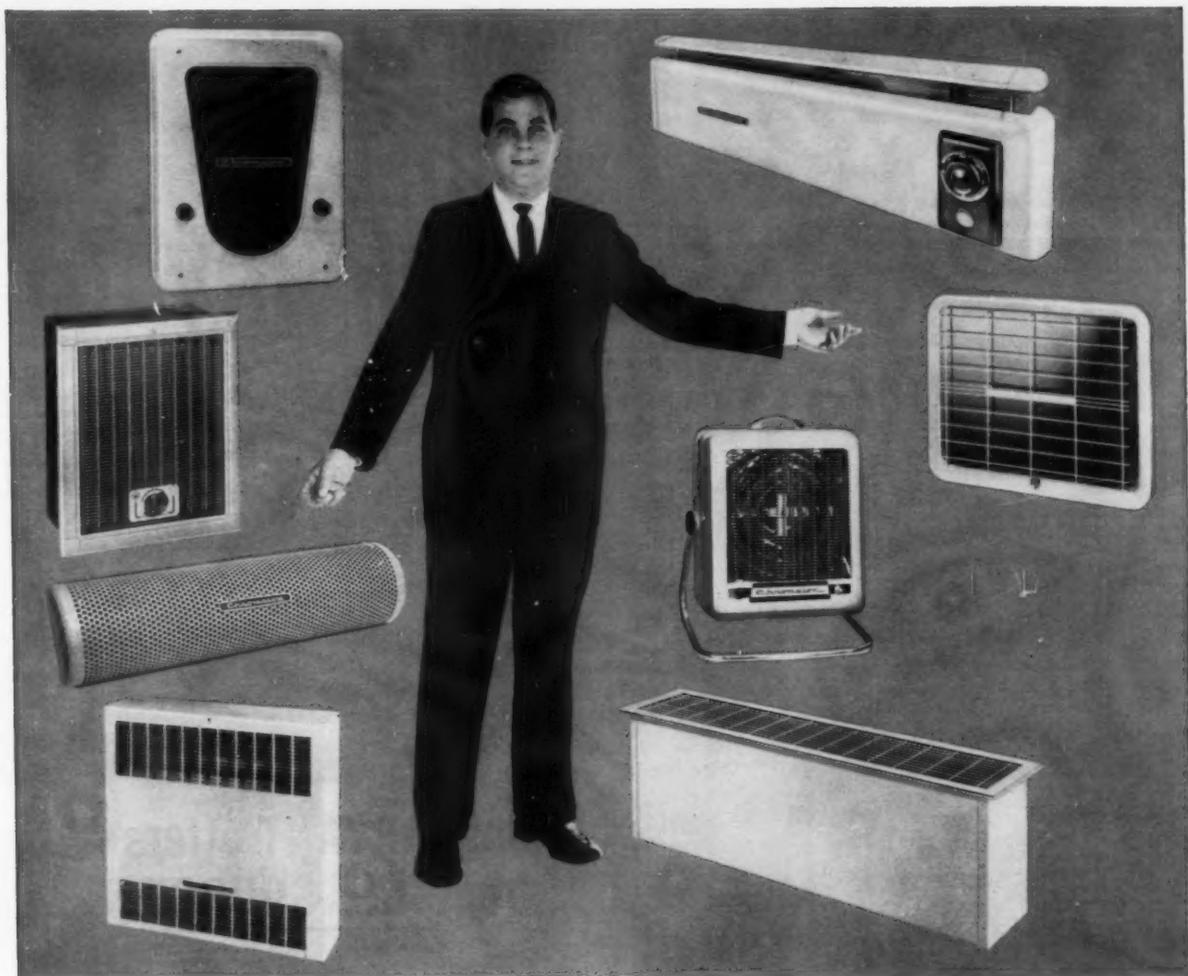
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Chromalox Electric Baseboard Heaters are available in many sizes and ratings, with matching blank, corner and trim sections for a uniform appearance.

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In addition to all these, the Chromalox line includes unit ventilators, fan driven heaters, Thermwire heating cable, in-duct heaters, and others. Chromalox styling, safety and simple operation will quickly sell your prospects on electric heat . . . and top-performing Chromalox Heaters will *keep* them sold.

Your Chromalox Representative will gladly help you determine power requirements, installation and operating costs. Find out how economically you can install (and your prospects can operate) Chromalox Electric Heat.

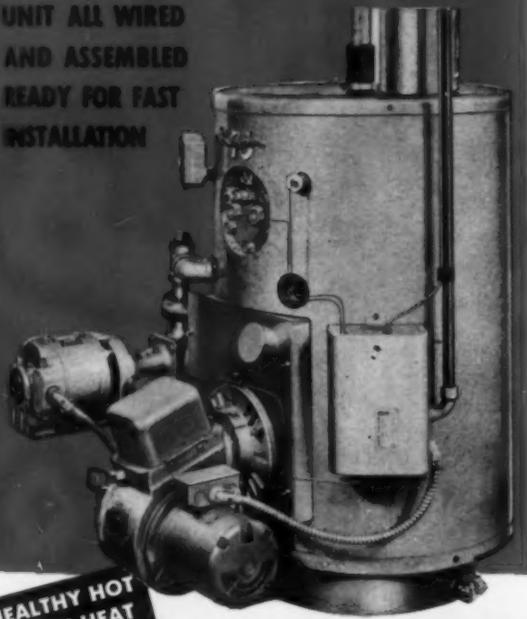
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in Year 'Round  
COMFORT!*

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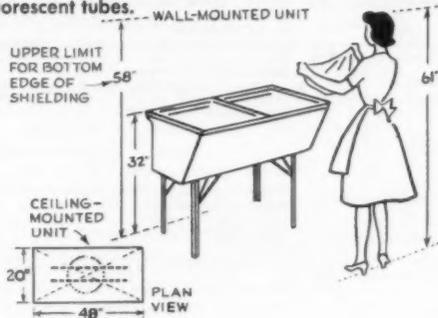
# ELECTRICAL, WIRING

## Lighting Principles



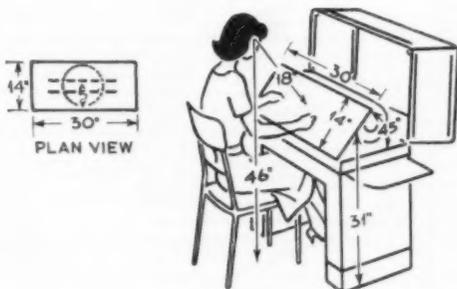
### RANGE AND SINK TOPS

The plane to be illuminated is 40 inches wide and 24 inches deep. It represents the entire area of the range or sink top. It is 36 inches above the floor. The lower shielding edge of wall-mounted lighting units should not be higher than 58 inches above the floor. Ceiling-mounted units are centered over the work surface as illustrated. The dashed circle indicates the positioning of incandescent lamps, while the parallel straight dashed lines position fluorescent tubes.



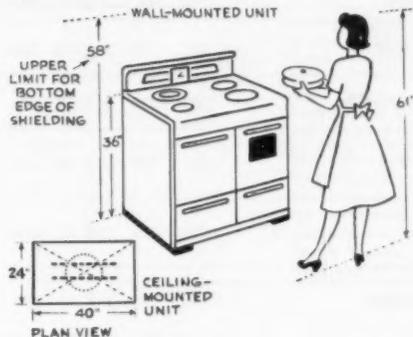
### HAND IRONING

The selected plane to be illuminated is 48 inches wide and 12 inches deep. It is 32 inches above the floor. The lower shielding edge of wall-mounted lighting units should not be higher than 58 inches above the floor. Ceiling mounted units are centered over the work surface as illustrated. The dashed circle indicates the positioning of the incandescent lamps, while the parallel straight dashed lines position fluorescent tubes.



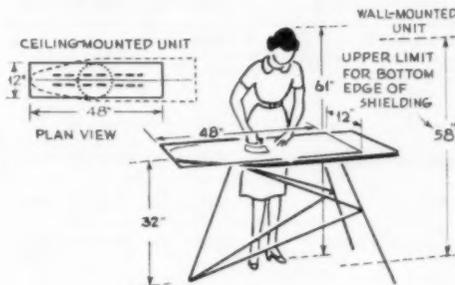
### KITCHEN WORK COUNTERS

The plane to be illuminated is 24 inches wide and 20 inches deep. It is located with its front edge along the work counter, and it is 36 inches above the floor. The lower shielding edge of wall-mounted lighting units should not be higher than 58 inches above the floor.



### LAUNDRY TRAYS

The selected plane to be illuminated is 48 inches wide and 20 inches deep and it is 32 inches above the floor. The lower shielding edge of wall-mounted lighting units should not be higher than 58 inches above the floor. Ceiling-mounted units are centered over the plane. The dashed circle shows the position of incandescent lamps, while the parallel straight dashed lines position fluorescent tubes.



### MACHINE IRONING

The selected plane to be illuminated is 30 inches wide and 14 inches deep. Its center is 31 inches above the floor and it is tilted up 45 degrees, towards the eyes of the individual. Wall-mounted lighting units shall have their shielding edge not higher than 48 inches above the floor. Ceiling-mounted units are centered 5 inches back from the front edge of the illuminated plane. The dashed circle indicates the positioning of the incandescent lamps, while the parallel straight dashed lines position fluorescent tubes.

Courtesy Illuminating Engineering Society

# ELECTRICAL, WIRING

## Load and Circuit Chart

	Typical Connected Watts	Volts	Wires	Circuit Breaker or Fuse	Outlets on Circuit	Outlet	Notes
<b>KITCHEN</b>							
<b>RANGE</b>	12000	120 <sub>240</sub>	3 # 6	50A.	1	Special Purpose	Use of more than one outlet is not recommended.
<b>OVEN (Built in)</b>	4500	120 <sub>240</sub>	3 # 10	30A.	1	Special Purpose	May be direct connected.
<b>RANGE TOP</b>	6000	120 <sub>240</sub>	3 # 10	30A.	1	Special Purpose	May be direct connected.
<b>RANGE TOP</b>	3300	120 <sub>240</sub>	3 # 12	20A.	1	Special Purpose	May be direct connected.
<b>DISHWASHER</b>	1200	120	2 # 12	20A.	1	Parallel Grounding	These appliances may be direct connected on a single circuit. Grounded receptacles required, otherwise.
<b>WASTE DISPOSER</b>	300	120	2 # 12	20A.	1	Parallel Grounding	These appliances may be direct connected on a single circuit. Grounded receptacles required, otherwise.
<b>BROILER</b>	1500	120	2 # 12	20A.	1 or more	Parallel Grounding Parallel	Heavy-duty appliances regularly used at one location should have a separate circuit. Only one such unit should be attached to a single circuit at the same time.
<b>FRYER</b>	1300	120	2 # 12	20A.	1 or more	Parallel Grounding Parallel	Heavy-duty appliances regularly used at one location should have a separate circuit. Only one such unit should be attached to a single circuit at the same time.
<b>COFFEEMAKER</b>	1000	120	2 # 12	20A.	1 or more	Parallel Grounding Parallel	Heavy-duty appliances regularly used at one location should have a separate circuit. Only one such unit should be attached to a single circuit at the same time.
<b>REFRIGERATOR</b>	300	120	2 # 12	20A.	1 or more	Parallel Grounding Parallel	Separate circuit serving only refrigerator and freezer is recommended.
<b>FREEZER</b>	350	120	2 # 12	20A.	1 or more	Parallel Grounding Parallel	Separate circuit serving only refrigerator and freezer is recommended.
<b>LAUNDRY</b>							
<b>WASHING MACHINE</b>	1200	120	2 # 12	20A.	1 or more	Parallel Grounding	Grounding type receptacle required. Separate circuit is recommended.
<b>DRYER</b>	5000	120 <sub>240</sub>	3 # 10	30A.	1	Special Purpose	Appliance may be direct connected — must be grounded.
<b>IRONER</b>	1650	120	2 # 12	20A.	1 or more	Parallel Grounding	
<b>HAND IRON</b>	1000	120	2 # 12	20A.	1 or more	Parallel	Consider possible use in other locations.
<b>WATER HEATER</b>	3000					Special Purpose	Consult utility company for load requirements.
<b>LIVING AREAS</b>							
<b>WORKSHOP</b>	1500	120	2 # 12	20A.	1 or more	Parallel Grounding	Separate circuit recommended.
<b>PORTABLE HEATER</b>	1300	120	2 # 12	20A.	1	Parallel	Should not be connected to circuit serving other heavy-duty loads.
<b>TELEVISION</b>	300	120	2 # 12	20A.	1 or more	Parallel	Should not be connected to circuit serving appliances.
<b>PORTABLE LIGHTING</b>	1200	120	2 # 12	20A.	1 or more	Parallel	Provide one circuit for each 500 sq. ft. Divided receptacle may be switch controlled.
<b>FIXED UTILITIES</b>							
<b>FIXED LIGHTING</b>	1200	120	2 # 12	20A.	1 or more		Provide at least one circuit for each 1200 watts of fixed lighting.
<b>AIR CONDITIONER ¼ hp</b>	1200	120	2 # 12	20A.	1	Parallel Grounding	Consider 4 kw 3-wire circuits to all window or console-type air conditioners. Outlets may then be adapted to individual 120- or 240-volt machines. Connection to general purpose or appliance circuits is not recommended.
<b>CENTRAL AIR CONDITIONER</b>	5000	240				Special Purpose	Consult manufacturer for recommended connections.
<b>HEAT PUMP</b>	*14000	240				Special Purpose	Consult manufacturer for recommended connections.
<b>SUMP PUMP</b>	300	120	2 # 12	20A.	1 or more	Parallel Grounding	May be direct connected.
<b>HEATING PLANT</b>	600	120	2 # 12	20A.	1		Direct connected. Some local codes require separate circuit.
<b>FIXED BATHROOM HEATER</b>	1500	120	2 # 12	20A.	1		Direct connected.
<b>ATTIC FAN</b>	300	120	2 # 12	20A.	1 or more	Parallel Grounding	May be direct connected. Individual circuit is recommended.

\*Maximum connected load (range varies from 6000 to 14000 depending on season).

Courtesy "Live Better Electrically"

# ELECTRICAL, WIRING

## Service Entrances

### TYPICAL SERVICE-ENTRANCE SCHEDULES FOR VARIOUS LEVELS OF UTILIZATION — 115/230 volts, 3-wire

Nominal Rating	Maximum Capacity	Main Switch	Main Control Center Units	Size of Service Wire	Size of Conduit	Utilization Circuits
100A	24,000 watts	100A Sw. or 100A Cir. Bkr.	2-50A 1-20A (Water Heater)	2—No. 2 1—No. 4	1 1/4"	General Purpose Electric Cooking Electric Laundry Water Heater Air Conditioning
150A	36,000 watts	200A Sw. (150A Fuses) or 150A Cir. Bkr.	3-50A 1-20A (Water Heater)	2—No. 2/0 1—No. 2	2"	General Purpose Electric Cooking Electric Laundry Air Conditioning Water Heater Electric Heating (Small Homes)
200A	48,000 watts	200A Sw. (200A Fuses) or 200A Cir. Bkr.	4-50A 1-20A (Water Heater)	2—No. 4/0 1—No. 2/0	2"	General Purpose Electric Cooking Electric Laundry Air Conditioning Water Heater Electric Heating (Temperate Climate)

#### SAMPLE SERVICE-ENTRANCE CALCULATION

For a 1500 sq. ft. home with electric range, electric water heater and electric home laundry.

#### LIGHTING AND GENERAL-PURPOSE LOAD:

1500 sq. ft. x 4 watts/sq. ft. ....6000 watts

#### SMALL APPLIANCE LOAD:

Number of appliance circuits included in branch circuit layout—4

4 x 2000-watts/circ. ....8000 watts

total 14000 watts

take 3000 at 100%.....3000 watts

and the remainder of 11000 at 35%...3850 watts

RANGE DEMAND LOAD:.....8000 watts

#### FIXED APPLIANCE LOAD:

Water heater .....3000 watts

Clothes dryer .....4500 watts

Clothes washer ..... 500 watts

Ironer .....1650 watts

9650 watts

at 100%..... 9650 watts

Total watts of service capacity: 24500 watts

Required current-carrying capacity of service-entrance conductors (at 115/230 volts, 3-wire, single-phase):

$$\frac{24500}{230} = 106.5 \text{ amperes}$$

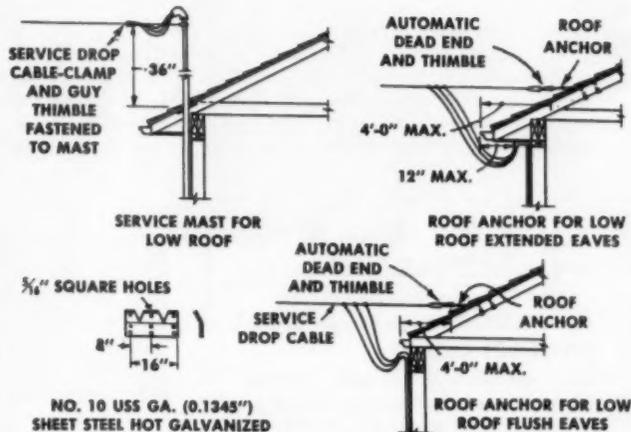
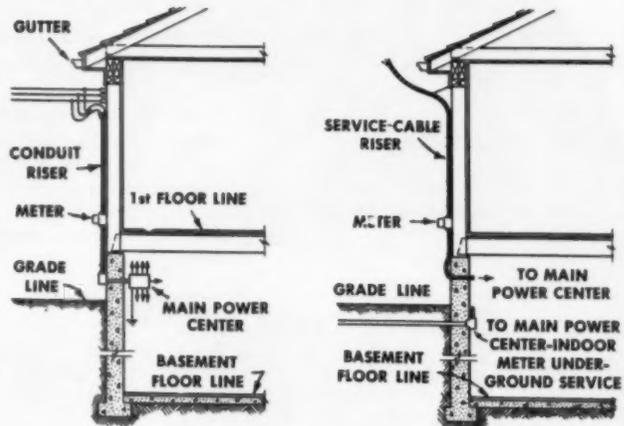
Service-entrance conductors must be:

No. 1's Type R in 1 1/2" Conduit

or No. 1's Type TW in 1 1/2" Conduit

or No. 2's Type RH in 1 1/4" Conduit

This service entrance can be described as a 25 kw service, the value obtained by multiplying the current rating of the service entrance by the voltage between the two ungrounded conductors (230 volts). A wide range of possible service entrance arrangements could be used to carry out the design set forth in this typical calculation. If a main disconnect switch is not required by local regulations, six or less circuit breakers can be used as protective subdivisions as set forth in Section 2351 a. of the National Electrical Code. If a main disconnect switch were required in this particular service entrance, either a 200-amp switch fused at 110 amps or, because the calculation contains spare capacity, a 100-amp switch fused at 100 amp or a 100-amp circuit breaker may be used as the main disconnect.

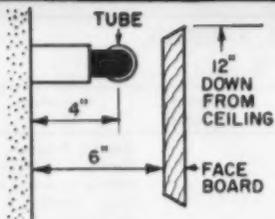


Courtesy "Live Better Electrically"

13

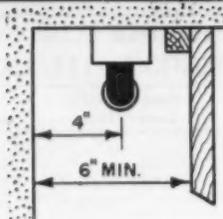
# ELECTRICAL, WIRING

## Selected Built-in Lighting Details



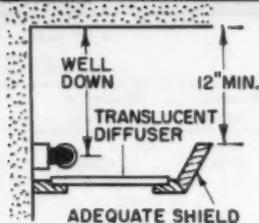
### VALANCE

Shown here with side-mounted channel. Tube should be far enough from wall to prevent drapery from shielding downward light. Provides both ceiling- and wall-lighting.



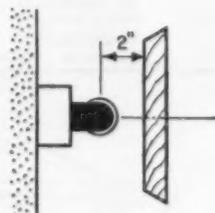
### CORNICE

Provides wall light only. Face-board joins ceiling. Channel is ceiling-mounted. Recommended for low-ceiling rooms, or where window head is close to ceiling.



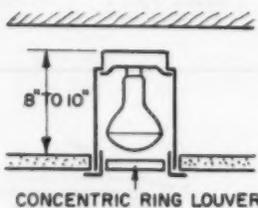
### COVE

Emits light horizontally and upward unless shield is translucent (luminous cove). Should be either luminous or low enough to flood upper wall—otherwise too inefficient for home lighting applications.



### BRACKET

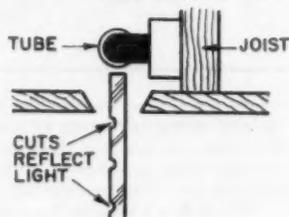
Like valance, but centerline of faceboard is on same level with tube, should be closer to wall. Light emission is both upward and down.



CONCENTRIC RING LOUVER

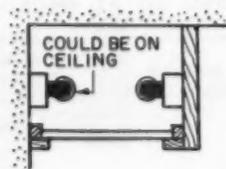
### RECESSED DOWNLIGHT

Technically a fixture, but its inclusion in home should be planned prior to rough wiring. Using reflector-type bulb, adds highlights and drama to interior design.



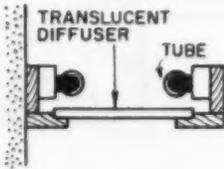
### EDGELIGHTING

Arrangement of plastic or glass panel to transmit light edgewise — invisibly except where decorative cuts, ripples, or flutes in surface re-direct light, appear as its source.



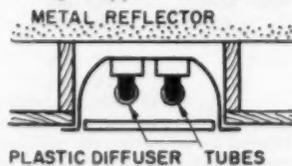
### SOFFIT

Underside of beam or furred-down section containing recessed luminous panel. Chiefly for local lighting, but several soffit panels could provide adequate general illumination.



### CANOPY-OVERHANG

Like luminous cove; but downward, diffused light is primary purpose of structure. Uniform brightness of diffusion panel would normally require at least two rows of tubes.

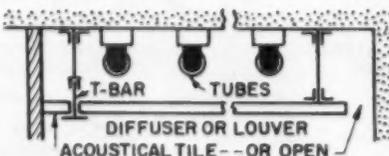


METAL REFLECTOR

PLASTIC DIFFUSER TUBES

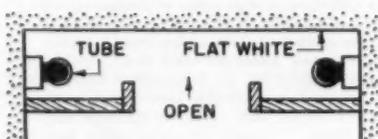
### TROFFER

A fixture that provides a "pre-assembled" recessed panel including reflector. Generally narrow, made to permit end-to-end, continuous runs.



### SUSPENDED CEILING

Either diffusion or opaque material suspended to form light plenum. Plastic or glass left open (right) would afford better ventilation, but could be harder to shield properly.



### COFFER

A recessed cavity open at bottom with high cut-off angle. Interior surface becomes an indirect, diffused light source, primarily local.

3

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Transform empty rooms into rooms warmly glowing with feminine appeal—rooms that put your prospects in a buying mood. Let MOE Light show you how to perform decorating miracles with "Certified Inspiration-Lighting"...how to make your naked empty homes into beautiful showplaces loaded with selling appeal to man and wife, both night and day, for just a few dollars a room.

Send today for MOE Light's new free book of "Lighting to Sell" ideas. 52 pages in full color. Latest lighting effects, indoors and outdoors. Hundreds of high style MOE Light fixtures. Easy guide to fixture selection for every room.



**FREE**  
**"LIGHTING TO SELL HOMES"**  
**NEW IDEA BOOK**  
 1959 MOE Light full-color  
 lighting guide and catalog

Illustration shows M-1579 Sleek new "Spiralite" sculptured polished brass pull-down. Special to May 31, \$29.95 retail. Regular price, \$34.95 retail. Shown mounted on M-1499 six-foot brass ceiling track, \$12.95 retail.



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Executive Offices: 410 S. Third St., Louisville 2, Ky.  
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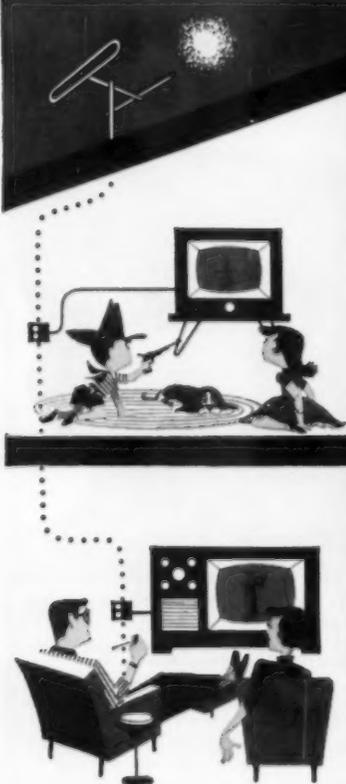
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(Continued on page 327)

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the convenience of

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easiest action touch switch on the market\*



Just the merest pressure on Touchette turns lights on and off. Gives you an added "convenience" talking point when you install it in your homes. (On the practical side, it's also least expensive of all touch switches!) Quickly installed, Touchette measures 1" in depth, fits standard outlet boxes and plates, needs no special wiring. Single or double pole, 3 or 4-way. Brown or ivory button.



\* Press Touchette and any other touch switch together, button to button. Touchette actuates first!

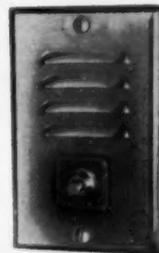
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in hall, bathroom, stairway, nursery, etc.

Every homeowner will appreciate the practical convenience Safety-Glo provides: enough light for safety, yet not too much to be distracting, particularly in children's room. Chrome or brass finish, with or without push-button switch.



Because the "extras" count, why not check into these and other "convenience-minded" Rodale wiring devices? You'll find a complete line—scaled low in price for a better profit picture.

Contact your electrical wholesaler, or write Rodale direct.

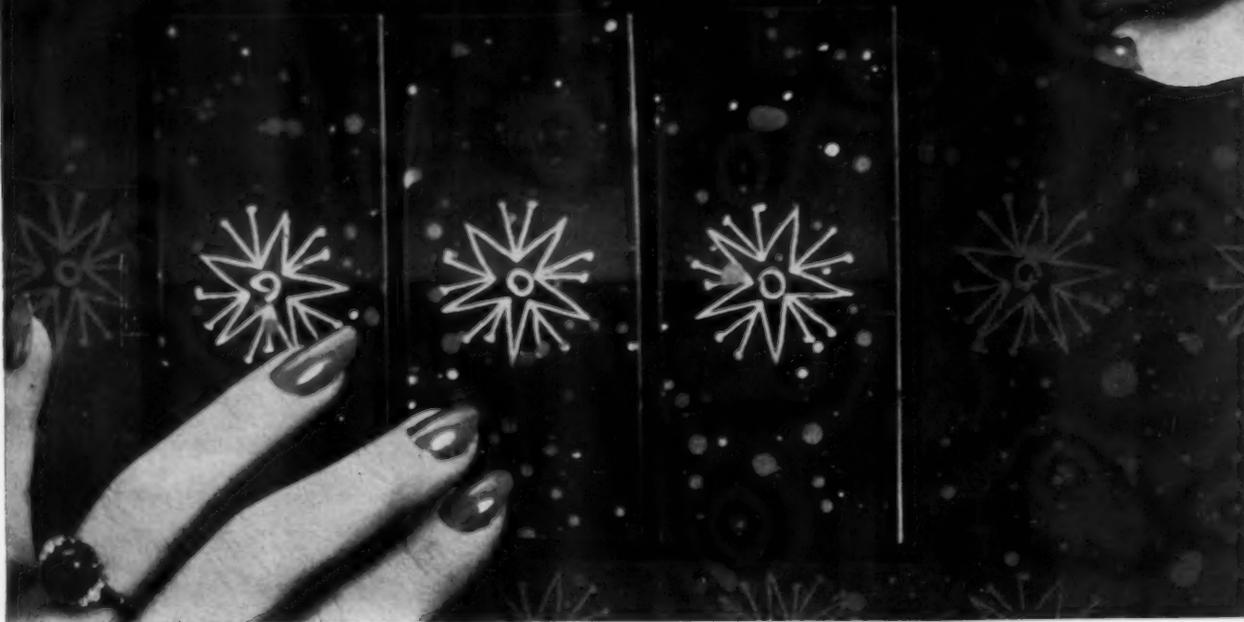


**Rodale** / manufacturing co., inc.  
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# Fashion Plate



UNLIMITED DECORATIVE EFFECTS!  
Fashion Plate is available in black or white  
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You will find Fashion Plate one of the easiest, fastest, best ways for the folks who sell your houses to say QUALITY. From front door to back, Fashion Plate is a symbol of whole-house quality. It's a powerhouse sales tool, too! Watch prospective buyers try it—test it—in

each room. It's an opportunity to tell *your* quality story over and over again!

Fashion Plate is in the news. Since its introduction only a few short months ago, dozens of articles and pictures have appeared in newspapers and magazines about it. And requests from readers have flooded in from all parts of the country! Fashion Plate is the kind of product they *expect* to find in a finely built home!

\*Trade-Mark

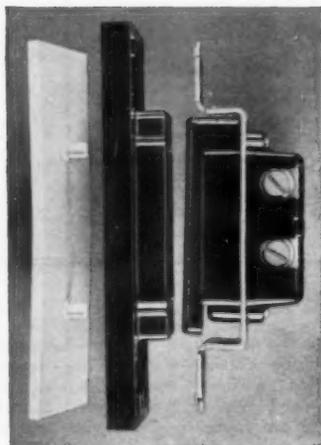
## HERE'S WHAT WOMEN LIKE ABOUT FASHION PLATE

The decorative angle—combinations of black and ivory—white and ivory—or wallpaper, fabric or paint backing a clear actuator . . . the wipe-clean advantage of plastic . . . no jutting

toggle to catch or tear . . . ends broken fingernails, chipped nail polish . . . its easy, quiet, positive action . . . the completely different appearance!

J-99004-R

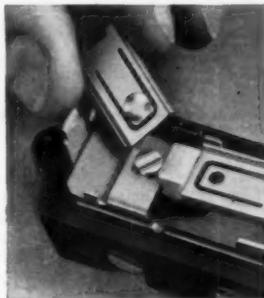
## INSTALL FASHION PLATE IN JUST ONE MODEL HOME



Smooth, quiet action. Low installation cost. No plate screws needed . . . just press on plate!

and watch the comment. It commands attention—let's you tell your story of whole-house quality. Ask your electrical contractor and Bryant distributor, or write, phone or wire Bryant direct!

### A QUALITY PRODUCT!—backed by the name BRYANT!



Silver alloy contacts insure long life. Quick make, slow break contact action. Positive pressure between contacts.



Compact design . . . fits all standard switch boxes.



Time-saving, clamp-type, back wiring terminals.

# Fashion Plate

The exciting things come from

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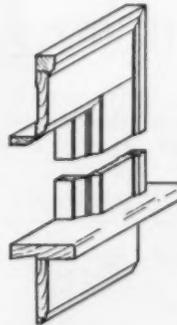
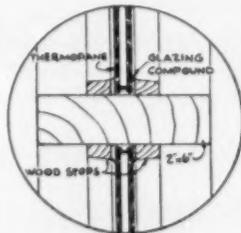
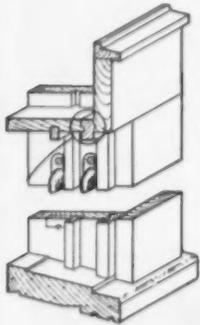
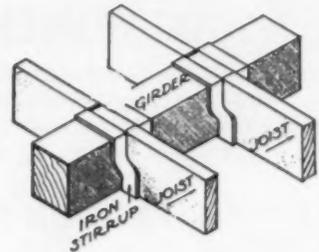
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—Cornices and Gutters—Roofing—Porch and Bay Framing—Exterior Wall Covering—Interior Wall and Ceiling Covering—Stairs—Trim—Window and Window Walls—Doors—Builders' Hardware and Fasteners—Closets, Shelving and Built-Ins—Finish Flooring—Garages—Thermal Insulation and Moisture Barriers—plus Appendices: Prefabrication—Principles for Construction—Safety for the Carpenter and Glossary—Index.

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# FLOOR, WALL, CEILING MATERIAL

## Hardwood Flooring Data

### STANDARD SIZES, COUNTS and WEIGHTS

"Nominal" is the size designation used by the trade, but it is not always the actual size. Sometimes the actual thickness of hardwood flooring is 1/8-inch less than the so-called nominal size.

"Actual" is the mill size for thickness and face width, excluding tongue width. "Counted" size determines the board feet in a shipment. Pieces less than 1 inch in thickness are considered to be 1 in.

OAK				BEECH, BIRCH, HARD MAPLE AND PECAN			
Nominal	Actual	Counted	Weights M Ft.	Nominal	Actual	Counted	Weights M Ft.
<b>TONGUED AND GROOVED-END MATCHED</b>				<b>TONGUED AND GROOVED-END MATCHED</b>			
3/8" x 3 1/4"	3/8" x 3 1/4"	1" x 4"	2300 lbs.	3/8" x 3 1/4"	3/8" x 3 1/4"	1" x 4"	2300 lbs.
3/8" x 2 1/4"	3/8" x 2 1/4"	1" x 3"	2100 lbs.	3/8" x 2 1/4"	3/8" x 2 1/4"	1" x 3"	2100 lbs.
3/8" x 2"	3/8" x 2"	1" x 2 3/4"	2000 lbs.	3/8" x 2"	3/8" x 2"	1" x 2 3/4"	2000 lbs.
3/8" x 1 1/2"	3/8" x 1 1/2"	1" x 2 1/4"	1900 lbs.	3/8" x 1 1/2"	3/8" x 1 1/2"	1" x 2 1/4"	1900 lbs.
3/8" x 2"	3/8" x 2"	1" x 2 1/2"	1000 lbs.	3/8" x 2"	3/8" x 2"	1" x 2 1/2"	1000 lbs.
3/8" x 1 1/2"	3/8" x 1 1/2"	1" x 2"	1000 lbs.	3/8" x 1 1/2"	3/8" x 1 1/2"	1" x 2"	1000 lbs.
3/8" x 2"	3/8" x 2"	1" x 2 1/2"	1350 lbs.	3/8" x 2"	3/8" x 2"	1" x 2 1/2"	1350 lbs.
3/8" x 1 1/2"	3/8" x 1 1/2"	1" x 2"	1300 lbs.	3/8" x 1 1/2"	3/8" x 1 1/2"	1" x 2"	1300 lbs.
<b>SQUARE EDGE</b>				<b>SPECIAL THICKNESSES</b>			
3/8" x 2"	3/8" x 2"	face count	1200 lbs.	1 1/8" x 3 1/4"	1 1/8" x 3 1/4"	5/4" x 4"	2400 lbs.
3/8" x 1 1/2"	3/8" x 1 1/2"	face count	1200 lbs.	1 1/8" x 2 1/4"	1 1/8" x 2 1/4"	5/4" x 3"	2250 lbs.
				1 1/8" x 2"	1 1/8" x 2"	5/4" x 2 3/4"	2250 lbs.
<b>JOINED FLOORING — i. e., Square Edge</b>				<b>Above Tongued and Grooved and End Matched</b>			
3/8" x 2 1/2"	3/8" x 2 1/2"	1" x 3 3/4"	2250 lbs.	3/8" x 2 1/2"	3/8" x 2 1/2"	1" x 3 3/4"	2250 lbs.
3/8" x 3 1/4"	3/8" x 3 1/4"	1" x 4"	2400 lbs.	3/8" x 3 1/4"	3/8" x 3 1/4"	1" x 4"	2400 lbs.
3/8" x 3 1/2"	3/8" x 3 1/2"	1" x 4 1/4"	2500 lbs.	3/8" x 3 1/2"	3/8" x 3 1/2"	1" x 4 1/4"	2500 lbs.
1 1/8" x 2 1/2"	1 1/8" x 2 1/2"	5/4" x 3 1/4"	2500 lbs.	1 1/8" x 2 1/2"	1 1/8" x 2 1/2"	5/4" x 3 1/4"	2500 lbs.
1 1/8" x 3 1/2"	1 1/8" x 3 1/2"	5/4" x 4 1/4"	2600 lbs.	1 1/8" x 3 1/2"	1 1/8" x 3 1/2"	5/4" x 4 1/4"	2600 lbs.

NOTE: Oak, Beech, Birch, Hard Maple and Pecan Flooring are bundled by averaging the lengths. A bundle may include pieces from 6 in. under to 6 in. over the nominal length of the bundle. No piece shorter than 9 in. admitted.

The percentages under 4 ft. referred to in the grading rules on this page apply on total footage in any one shipment of the item.

3/4-in. allowance shall be added to the face length when measuring the length of each piece.

Flooring shall not be considered of standard grade unless the lumber from which the flooring is manufactured has been properly kiln-dried.

ESTIMATING FLOORING							
Figures below are board feet of various sizes of flooring required to cover square feet of floor space shown at left.							
Square Ft. Floor Space	3/8" x 3 1/4"	3/8" x 2 1/4"	3/8" x 2"	3/8" x 1 1/2"	3/8" x 2"	3/8" x 1 1/2"	3/8" x 2"
10	13	14	16	13	14	13	14
20	26	28	31	26	28	26	28
30	39	42	47	39	42	39	42
40	52	56	62	52	56	52	56
50	65	70	78	65	70	65	70
60	78	83	93	78	83	78	83
70	91	97	109	91	97	91	97
80	104	111	124	104	111	104	111
90	117	125	140	117	125	117	125
100	129	139	155	130	139	130	139
200	258	277	310	260	277	260	277
300	387	415	465	390	415	390	415
400	516	553	620	520	553	520	553
500	645	692	775	650	692	650	692
600	774	830	930	780	830	780	830
700	903	969	1085	910	969	910	969
800	1032	1107	1240	1040	1107	1040	1107
900	1161	1245	1395	1170	1245	1170	1245
1000	1290	1383	1550	1300	1383	1300	1383
Counted as	1 x 4	1 x 3	1 x 2 1/2	1 x 2 1/2	1 x 2	1 x 2 1/2	1 x 2
Weight	2300	2100	2000	1350	1300	1000	1000
Size of nails used	8d	8d	8d	5d	5d	4d	4d
Nail spacing	10-12 in. on center			8 to 10 in. on center		6 to 8 in. on center	
No. pieces per bundle	8	12	12	18	18	24	24
To obtain B.M. from bundle multiply by	2 1/2	3	2 1/4	3 1/4	3	5	4

COMPUTING FLOORING NEEDS	
To determine the board feet of flooring needed to cover a given space, first find the area in square feet then add it to the percentage of that figure which applies to the size flooring to be used, as indicated below. The additions provide an allowance for side-matching plus an additional 5% for end-matching and normal waste.	
55% for	3/8" x 1 1/2"
42 1/2% for	3/8" x 2"
38 1/2% for	3/8" x 2 1/4"
29% for	3/8" x 3 1/4"
38 1/2% for	3/8" x 1 1/2"
30% for	3/8" x 2"
38 1/2% for	3/8" x 1 1/2"
30% for	3/8" x 2"

The above figures are based on laying flooring straight across the room. Where there are bay windows or other projections, allowance should be made for additional flooring.

NAIL SCHEDULE — OAK FLOORING	
Tongued-and-grooved flooring. To be blind-nailed.	
Flooring Dimen., In.	Type, Size, Spacing of Nails
3/8" x 2	Bright casing nail — 4d wire or cut nail, or screw nail. 8 in. apart. Wood subfloor required.
3/8" x 1 1/2	
3/8" x 3 1/4	7d or 8d screw type or cut steel nail.* 10-12 in. apart.
3/8" x 2 1/4	
3/8" x 1 1/2	
1/2" x 2	5d screw type or cut steel or wire nail. 10 in. apart. Wood subfloor required.
1/2" x 1 1/2	
Square-edge flooring. Face-nailed.	
3/8" x 2	1-in. 15 gauge fully barbed flooring brad, preferably cement coated. 2 nails every 7 in. Wood subfloor required.
3/8" x 1 1/2	

\*If steel wire flooring nail is used, it should be 8d, preferably cement coated. Newly developed machine-driven barbed fasteners of the size recommended by the manufacturer are acceptable.

Courtesy National Oak Flooring Mfrs. Assn.

# FLOOR, WALL, CEILING MATERIAL

## Resilient Flooring Data

TYPE OF FLOORING	ASPHALT GREASE-PROOF		SEMI-FLEXIBLE ASBESTOS	VINYL				FLEXIBLE HOMOGENEOUS	RUBBER		LINOLEUM		CORK	
	REGULAR	TILE		BACKED TYPES					TILE	SHEET	TILE	SHEET		TILE
				REGULAR	TILE	SHEET	ALKALI RESISTANT							
FORM AVAILABLE	TILE	TILE	TILE	SHEET	TILE	SHEET	TILE	TILE	SHEET	TILE	SHEET	TILE	TILE	
DIMENSIONS* Size or Width, Inches	9 x 9	9 x 9	9 x 9	72	9 x 9	45, 72	9 x 9	9 x 9	36	9 x 9	72	9 x 9	9 x 9	
Thickness, Inches	0.125 0.1875	0.125 0.1875	0.0625 0.080 0.09375 0.125	0.0625 0.070	0.0625	0.0625 0.080	0.0625 0.080	0.080 0.09375 0.125	0.080 0.125 0.1875	0.080 0.125 0.1875	0.070 0.090 0.125	0.045 0.090 0.125	0.09375 0.125 0.1875 0.3125	
COST														
Approximate Installed Cost Per Square Foot in Cents	\$20-45	\$25-50	\$25-35	\$30-40	\$30-40	\$50-60	\$50-60	\$55-80	\$45-55	\$45-55	\$25-35	\$25-35	\$35-45	
For Thickness Indicated	0.125" \$25-50	0.1875" \$30-55	0.0625" \$40-60	0.0625" \$45-50	0.0625"	0.080" \$55-70	0.080" \$55-70	0.09375" \$70-1.30 0.125" \$75-2.00	0.125" \$55-70 0.1875" \$70-90	0.125" \$55-70 0.1875" \$70-90	0.090" \$30-45 0.125" \$40-60	0.090" \$30-45 0.125" \$50-70	0.125" \$45-55 0.1875" \$55-65 0.3125" \$75-90	
USE LEVEL**														
Suspended	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	
On Grade	Yes	Yes	Yes	No	Yes	Yes	Yes	Yes	Yes	Yes	No	No	Yes	
Below Grade	Yes	Yes	Yes	No	No	Yes	Yes	Yes	Yes	Yes	No	No	No	
PHYSICAL CHARACTERISTICS														
Thermal Conductivity Btu/Hr./Sq. Ft./°F/in.	3.1	3.1	3.1	1.4	1.4	1.2-3.3	1.2-3.3	5.3	5.3	5.3	1.5	1.5	0.5	
Relative Maximum Static Load Without Permanent Indentation Expressed in Lbs./Sq. In	25(Fair)	25(Fair)	25(Fair)	75(Good)	75(Good)	75(Good)	75(Good)	200 (Excellent)	200 (Excellent)	200 (Excellent)	75(Good)	75(Good)	75(Good)	
Under Foot Comfort	Fair	Fair	Good	Good	Good	Good	Good	Excellent	Excellent	Excellent	Good	Good	Excellent	
Apparent Warmth to Touch	Fair	Fair	Good	Good	Good	Good	Good	Good	Good	Good	Good	Good	Excellent	
Quietness (Noise Level)	Fair	Fair	Good	Good	Good	Good	Good	Very Good	Very Good	Very Good	Good	Good	Excellent	
Surface Alkali Resistance	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	Fair	Fair	Fair	
Grease Resistance	Poor	Very Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Good	Good	Excellent	Excellent	Fair	
Ease of Maintenance	Fair	Good	Good	Very Good	Very Good	Very Good	Very Good	Very Good	Good	Good	Very Good	Very Good	Fair	
Slipperiness	Varies with finish and waxing, normally all are slip-resistant when dry.													
Impact Resistance	All are resistant to shattering, splitting, cracking or other damage under normal impact conditions.													
Light Reflectivity	Varies from almost zero to 65% depending on color, surface texture and finish—consult manufacturer.													
Durability	All show excellent durability under use conditions for which they are individually suitable when installed and maintained as recommended by manufacturer.													
*Nominal commercial dimensions only are shown—other sizes, shapes, thicknesses and widths vary with manufacturer.														
**When installed in accordance with the specific precautions and recommendations of the manufacturer.														

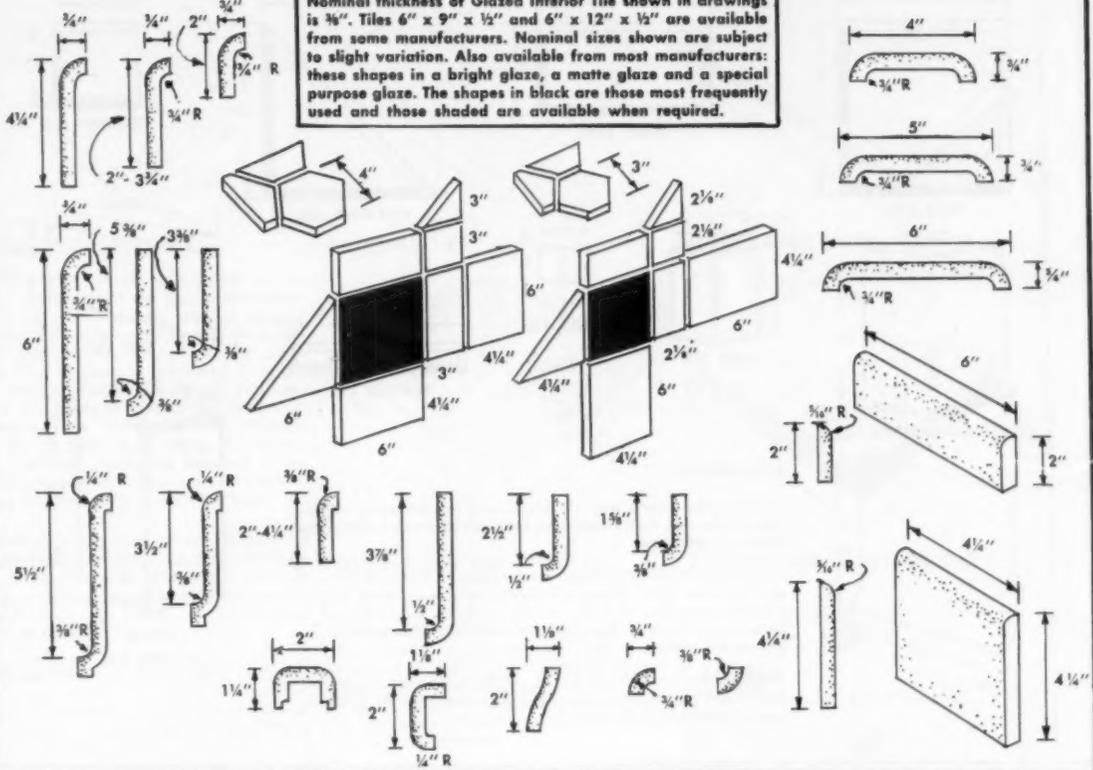
Material Courtesy Building Research Institute

# FLOOR, WALL, CEILING MATERIAL

## Ceramic Tile Standards

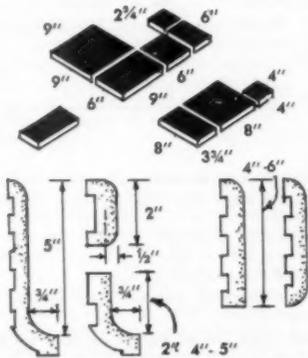
### GLAZED CERAMIC INTERIOR TILE

Nominal thickness of Glazed Interior Tile shown in drawings is  $\frac{3}{8}$ ". Tiles  $6'' \times 9'' \times \frac{1}{2}''$  and  $6'' \times 12'' \times \frac{1}{2}''$  are available from some manufacturers. Nominal sizes shown are subject to slight variation. Also available from most manufacturers: these shapes in a bright glaze, a matte glaze and a special purpose glaze. The shapes in black are those most frequently used and those shaded are available when required.



### QUARRY TILE

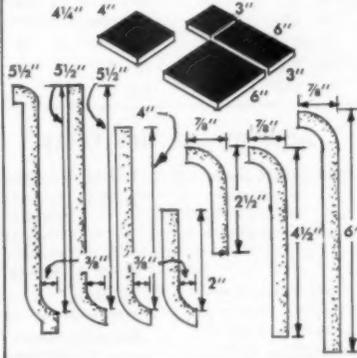
Basic shapes for flat Quarries are shown in black. For the trimmer shapes shown there are complementary corner pieces available. Consult the Tile Contractor if other shapes than those illustrated are required for special conditions. Dimensions shown on the drawings are nominal . . . some slight variation is to be expected in actual measurements. Shapes other than the basic ones shown are available from some manufacturers.



### UNGLAZED CERAMIC MOSAIC TILE

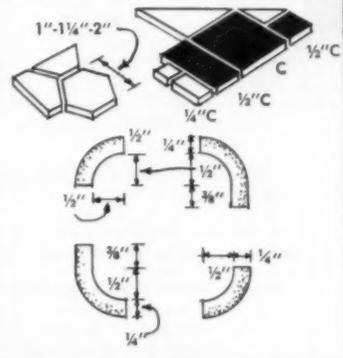
#### PAVER TILE

The basic shapes for flat Paver Tile are shown in black. For the coves and caps there are the complementary corner pieces available. Consult the Tile Contractor if other shapes are required for special conditions. The sizes shown are nominal dimensions and will have a slight tolerance.



### CERAMIC MOSAIC

The series of sizes of Ceramic Mosaic is usually referred to as the 2" or the 1-9/16" series. Actually there are slight variations, according to the practice of manufacturers as follows: C = 2", 2-3/16", 1-9/16" or 1-15/16". Basic shapes are shown in black on the drawing. Pentagon and Octagon shapes are made by some manufacturers. For both Coves and Caps there are complementary corner pieces available.

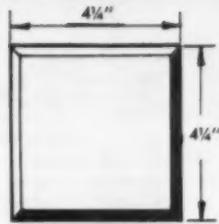


**NOTE:** In the industry today, ceramic tile is set (1) with cement mortar; (2) with organic adhesives, and (3) with cement mortar—using a newly-developed thin-setting bed method. Information on all three methods may be obtained from the Tile Council of America, Inc., 800 Second Ave., New York 17, N. Y.

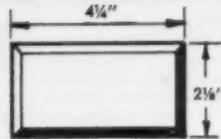
Courtesy Tile Council of America

# FLOOR, WALL, CEILING MATERIAL

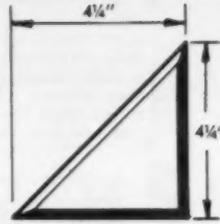
## Plastic Tile Standards



FIELD TILE



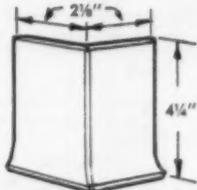
HALF TILE



TRIANGLE TILE



QUARTER TILE



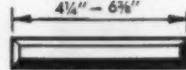
COVE-BASE CORNER TILE



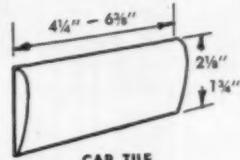
HALF TILE



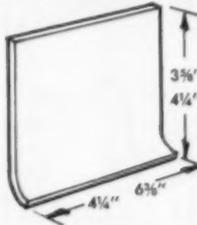
FEATURE CORNER TILE



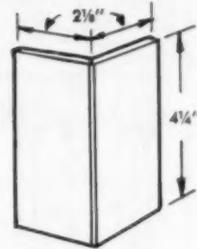
FEATURE TILE



CAP TILE



COVE-BASE TILE



FIELD CORNER TILE

### HALLMARK

Polystyrene plastic wall tile which carry this hallmark indicate compliance with Commercial Standard 168-50 which includes the following conditions:

**DIMENSIONAL TOLERANCES**—The face sizes of tiles shall not vary one from the other, in any comparable dimension, more than a negative tolerance of 1/10 of 1% or 0.005 in., whichever is greater, and by a positive tolerance of 2/10 of 1% or 0.010 in., whichever is greater.

**THICKNESS**—The thickness of the plastic in tile shall be greater than 0.062 in. The lip on the tile shall extend at least 0.033 in. beyond the back of the tile.

### ESTIMATING AND DESIGNING FACTORS

(Based on 4 1/4 x 4 1/4 Tile)

LENGTH	NO. OF TILE	LENGTH	NO. OF TILE	LENGTH	NO. OF TILE	LENGTH	NO. OF TILE	LENGTH	NO. OF TILE	LENGTH	NO. OF TILE
4 1/4"	1	3'-10 3/4"	11	7'-5 1/4"	21	10'-11 3/4"	31	14'-6 1/4"	41	18'-0 3/4"	51
8 1/2"	2	4'-3 "	12	7'-9 1/2"	22	11'-4 "	32	14'-10 1/2"	42	18'-5 "	52
1'-0 3/4"	3	4'-7 1/4"	13	8'-1 3/4"	23	11'-8 1/4"	33	15'-2 1/4"	43	18'-9 1/4"	53
1'-5 "	4	4'-11 1/2"	14	8'-6 "	24	12'-0 1/2"	34	15'-7 "	44	19'-1 1/4"	54
1'-9 1/4"	5	5'-3 3/4"	15	8'-10 1/4"	25	12'-4 3/4"	35	15'-11 1/4"	45	19'-5 3/4"	55
2'-1 1/2"	6	5'-8 "	16	9'-2 1/2"	26	12'-9 "	36	16'-3 1/2"	46	19'-10 "	56
2'-5 3/4"	7	6'-0 1/4"	17	9'-6 3/4"	27	13'-1 1/4"	37	16'-7 3/4"	47	20'-2 1/4"	57
2'-10 "	8	6'-4 1/2"	18	9'-11 "	28	13'-5 1/2"	38	17'-0 "	48	20'-6 1/2"	58
3'-2 1/4"	9	6'-8 3/4"	19	10'-3 3/4"	29	13'-9 3/4"	39	17'-4 1/4"	49	20'-10 1/4"	59
3'-6 1/2"	10	7'-1 "	20	10'-7 1/2"	30	14'-2 "	40	17'-8 1/4"	50	21'-3 "	60

### HOW TO USE THIS TABLE

This table can be valuable to the designer and estimator in several ways.

1. In designing or layout, the number of courses of tile can be ascertained, for any required height or length of wall.

**Example:** Assume that a wainscot height of 4'-6" is desired and it is required to know the number of tiles necessary to approach this dimension. Checking the table it will be found that 13 tiles give a course height of 4'-7 1/4". If desirable to hold close to the 54" dimension, 12 full tiles may be finished with a half tile or cap of 2 1/8" giving a total height of 4'-5 1/8".

2. Estimating tile quantities for a given area.

**Example:** Length of wall in lineal feet—17'-0"  
Height of wall—5'-8"  
Number of tile in 17'-0" = 48  
Number of tile in 5'-8" = 16  
48 x 16 = 768 tiles required.

3. Estimating the number of pieces of 4 1/4" cap, base or feature strip required for lineal feet of wall.

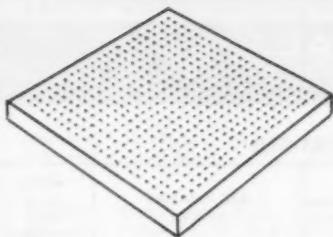
**Example:** Assume total lineal feet of wall to be tiled to be 48 feet.

Consulting the table it will be found that 34 pieces are needed for 12 feet. Therefore: 34 x 3 = 102 the total number of pieces required.

Courtesy The Society of Plastics Industry, Inc.

# FLOOR, WALL, CEILING MATERIAL

## Acoustical Ceiling Tile



### CELLULOSE-FIBER TILE

There are, of course, very definite acoustical properties in the tiles shown here, and, as you might expect, the amount of sound absorption varies with the material, thickness, density, etc. of the product. This variance is measured in n.r.c., or Noise Reduction Coefficient. We mention this because you might be led to compare the materials and products strictly on their n.r.c. rating. This would be a mistake, since the variance is seldom one that the human ear can discern. This is particularly true in the home.

When choosing tile, it is best to take all factors into consideration. This would include: appearance, light reflection, thickness, moisture resistance, maintenance, insulation value, ease of installation, flame resistance and cost.

The standard size of this tile is 12" x 12", although nearly all are available with other dimensions and with a variety of thicknesses. Some data on the types shown above:

**Cellulose-Fiber Tile:** Generally lower in price than other units; subject to some dimensional changes due to moisture content; also available with a flame-resistant finish; can be made termite, fungi and dry-rot proof by special manufacturing processes.

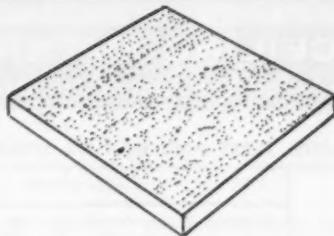
**Mineral Tile:** Are classified Class A Incombustible; are slightly more expensive than cellulose-fiber; are used often when special artistically decorative effects are desired.

**Perforated Metal Tile:** Is used commercially most of the time; has a mineral wool pad in back of metal; has highest acoustical efficiency of commercial acoustical tile; is used frequently where long-range economy of maintenance is important.

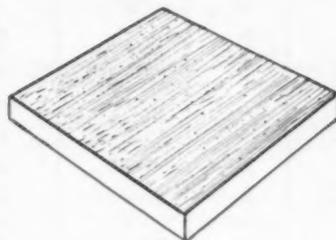
**Glass-Fiber Tile:** Also has an incombustible rating; has good moisture resistance; some tiles have thin plastic membrane covering which makes them washable.

**Perforated Asbestos Tile:** Especially important for its moisture resistant qualities; has high acoustical qualities as well; often used in radio studios, etc., where sound absorption is important.

Courtesy Acoustical Materials Association



### MINERAL TILE



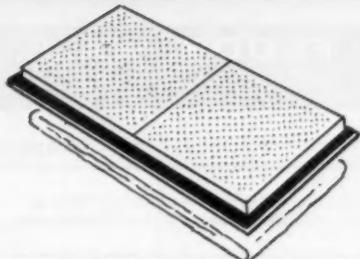
### GLASS-FIBER TILE

**Cementing:** When cementing on plaster, be sure plaster is sized or properly painted (in new or remodeling work). Can also cement to gypsum board. A dab of cement at each corner is all that is necessary. Check with manufacturer for proper adhesive.

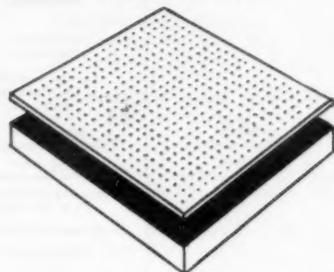
**Nailing:** Wood furring strips, 1" x 3" may be used as a base for nailing or stapling where surface of ceiling is rough. On new work, it is often possible to nail strips directly onto bottom of joists. Nails should be driven beyond surface of tile with nail set; or by mechanical means.

**Screwing:** This method is generally used when floor above will be subjected to vibration. Material can be screwed to furring strips or to gypsum board backing. Finished level of ceiling is governed by care and accuracy with which gypsum board is installed.

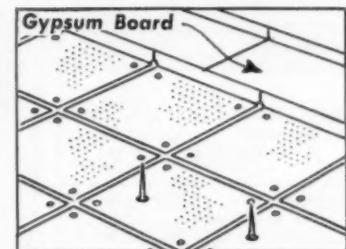
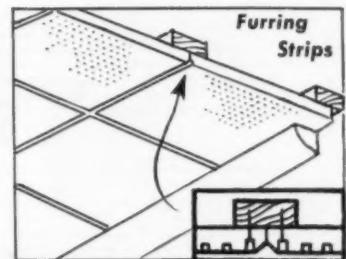
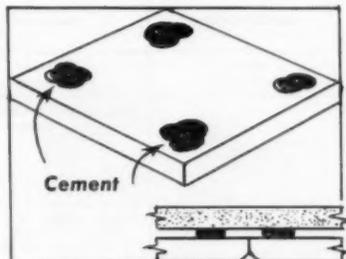
**NOTE:** A fourth method—mechanical suspension—is often used industrially and commercially where special conditions prevail. For information, consult your manufacturer.



### PERFORATED METAL TILE



### PERFORATED ASBESTOS TILE



# FLOOR, WALL, CEILING MATERIAL

## Hardwood Specification Standards

### HARDBOARDS: TYPES AND NAILING SPECIFICATIONS

APPLICATION	TYPE OF HARDBOARD	NAIL SPACING			SIZE AND TYPE OF NAIL	Approx. No. of Nails Per Pound			
		Thickness	Intermediate Supports	Around Edges					
INTERIOR WALLS AND CEILINGS	Standard Hardboard and Tempered Hardboard	1/8" 3/16" 1/4" 5/16"	8" thru body 8" 8" 8"	4" 4" 4" 4"	Use any of these nails for these hardboard applications.  1 1/4" Casing Nails 1 1/2" Casing Nails 1 1/2" Finishing Nails 1 1/2" Finishing Nails 1 1/4" Countersunk Nails 1 1/4" Box Nails 1 1/4" 18 ga. Broads 1 1/4" Ring-grooved Nails (Flat Head)	635 473 805 583 700 635 1650 535			
	Low-Density Hardboard	3/8" 1/2"	8" 8"	4" 4"					
	Leather Textured or Tile Patterned Hardboard	1/8"	8" thru body	4"					
	Wood Grain Embossed Hardboard	1/4"	8"	4"					
	Wood Grain Printed Hardboard	1/4"	8"	4"					
	Grooved Hardboard 4", 8" Random	3/8"	8"	4"					
	Scored Hardboard	1/4"	8"	4"					
	Tempered S2S	1/8" 3/16" 1/4"	8" thru body 8" 8"	4" 4" 4"					
	Perforated Hardboard	1/8" 3/16" 1/4"	8" thru body 8" 8"	4" 4" 4"					
	UNDERLAYMENT	Underlayment Hardboard	.215"	6" thru body			6"	1 1/4" Drive Screws (Flat Head) 1 1/4" Barbed Box Nails	630 635
	FINISH FLOORING	Tempered Hardboard	1/4" 3/8"	12" thru body 12" thru body			6" 6"	1 1/4" Coated Casing Nails	635
	PANEL SIDING	(With or without Sheathing) Tempered Hardboard	3/8" 1/4" 3/4"	8" 8" 8"			4" 4" 4"	Use either nail for Panel Siding 2 1/4" Galvanized Siding Nail 2 1/4" Galvanized Box Nail	225 220
Grooved Hardboard Scored Hardboard		3/8" 1/4"	8" 8"	4" 4"					
LAP SIDING	(With or without Sheathing) Tempered Hardboard 12", 16" or 24" Wide	1/4" 3/8"	16" along bottom edge into studs	3" Vertically at all joints over wedges	Plain Lap: 2 1/2" Galvanized Siding Nails 2 1/2" Galvanized Box Nails 3" Nails thru Shadow Strip	225 220 90			
	(Over Sheathing) *Siding on Vented Strips 10" & 12" Widths <small>*Interlocking Metal Corners and Joint Fasteners Available.</small>	1/4"					No nails thru Hardboard		
CONCRETE FORMS	Concrete Form Hardboard	3/8" 1/4"	8" to 12" 8" to 12"	4" 4"	1 1/4" Coated Casing Nails	635			

### MINIMUM BENDING RADII

MATERIAL TYPE		HOT BENDS		COLD MOIST BENDS		DRY COLD BENDS	
		Smooth Side Out	Smooth Side In	Smooth Side Out	Smooth Side In	Smooth Side Out	Smooth Side In
STANDARD HARDBOARD	1/8"						
	3/16"	2 1/2"	2"	7"	5"	12"	10"
	1/4"	3 1/2"	3"	10"	8"	18"	16"
	5/16"	5"	4"	15"	12"	27"	24"
TEMPERED HARDBOARD	1/8"						
	3/16"	2 1/2"	2"	6"	4"	9"	7"
	1/4"	3 1/2"	3"	9"	6"	16"	14"
	5/16"	5"	4"	14"	10"	25"	22"
STANDARD S2S HARDBOARD	1/8"						
	3/16"			7"			10"
	1/4"	3"		12"	25"		16"
TEMPERED S2S HARDBOARD	1/8"						
	3/16"			7"			10"
	1/4"	3"		12"	25"		16"
LEATHER SURFACE HARDBOARD AND TILE HARDBOARD	1/8"		3"		7"		10"

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(Continued on page 328)



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3608, Guardian Bldg., Detroit 26, Mich.

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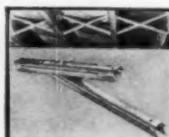
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Portland 4, Oregon

**The Pacific Coast Company**  
P.O. Box 611, Willits, California

**The Pacific Lumber Company**  
100 Bush Street  
San Francisco 4 California

Redwood Sales Co., Eastern Distributor  
1430 Russ Building  
San Francisco 4, California



8805

## GOOD IDEAS shape up fast with beautiful MARLITE paneling

There's no limit on imaginative interiors with versatile Marlite paneling. This easily-installed material in Loewy-styled "Companion Colors," distinctive wood and marble patterns gives a fresh, modern look to any room in the house—new or remodeled.

Large sheets, planks, blocks, hollow-core Korelock are dimensioned for standard modular sizes. They fit right, look right, go up quickly with minimum cost "in place." And Marlite's melamine plastic finish stays like new for years with an occasional damp cloth wiping. That means low maintenance, higher customer satisfaction.

Get complete Marlite details for any "interior idea" from your building materials dealer, Sweet's File—or write Marlite Division of Masonite Corporation, Dept. 403, Dover, Ohio.

that's the beauty of **Marlite**<sup>®</sup>  
plastic-finished paneling



MARLITE IS ANOTHER QUALITY PRODUCT OF MASONITE<sup>®</sup> RESEARCH

**Marlite branch offices and warehouses located at:** 204 Permalume Place, N.W., Atlanta 18, Georgia • 18 Moulton Street, Cambridge 38, Mass. • 1925 No. Harlem Ave., Chicago 35, Illinois • 8908 Chancellor Row, Dallas 35, Texas • 1577 Rio Vista Ave., Los Angeles 23, Calif. • 2440 Sixth Avenue So., Seattle 4, Washington • Branch office: 101 Park Avenue, New York 17, N. Y.



## ACTION MEMO

Bob:

Looks like these Silvatek panel products might solve some of the problems we're now having. Let's get the facts. Jake

### Weyerhaeuser Silvatek Panel Products do these jobs better . . .



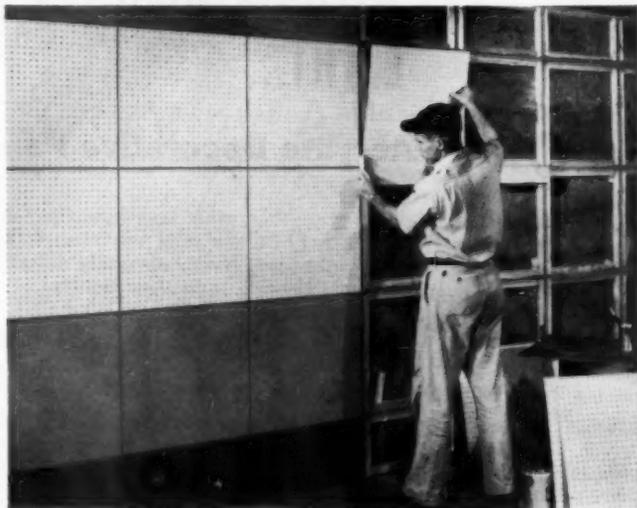
**VERSABORD UNDERLAYMENT** is the choice of quality builders across the nation. These smooth, grainless particle board panels are uniform in density and pre-sanded to a precise thickness. They arrive ready for installation with no sanding or filling required.

Versabord goes down fast—lays flat. It cuts cleanly... fastens securely with nails or staples. Tile or linoleum adhesives spread evenly and bond firmly to the level-smooth panel surfaces. On the next job, save time, trouble and money... use Versabord.

For unmatched performance in quality construction, builders, architects and home owners invariably choose Weyerhaeuser hardboards and particle boards. Each panel meets exacting standards and is designed for consistent, dependable performance. You speed installation time, lower labor costs and insure the finest workmanship.

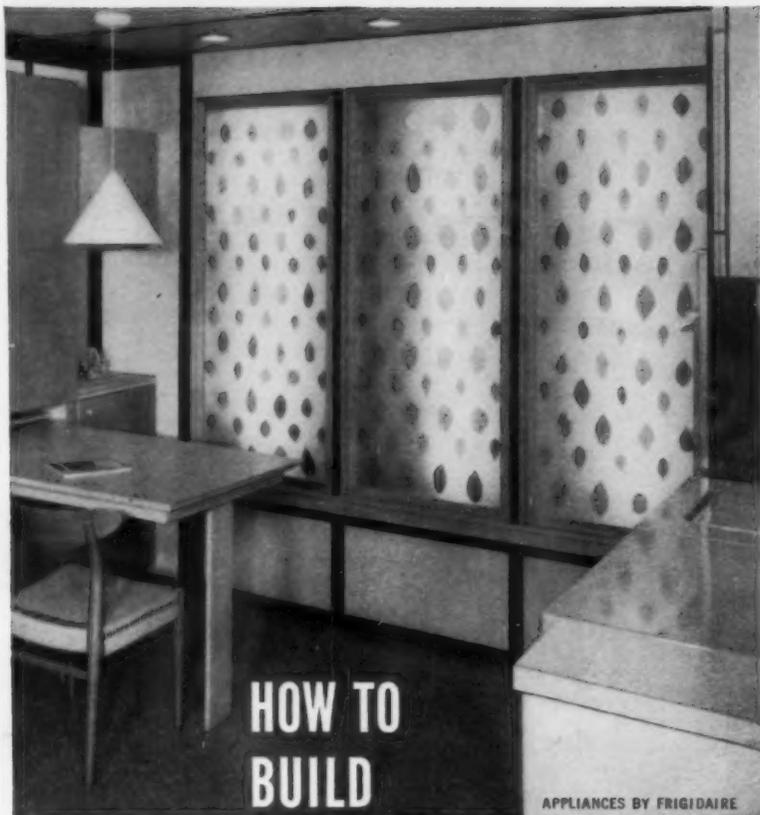
For additional information, write: Silvatek Products Division, Weyerhaeuser Timber Company, Box S, Tacoma, Washington.

**WEYTEX HARDBOARD** was used in this remodeling job because of its easy machinability and smooth, light-colored surface. Every panel cuts cleanly with true edges and finishes attractively with just one coat of paint. For beauty, functional design and economy, you can't beat Weytex hardboards... Standard, Tempered or Perforated.



## Weyerhaeuser Timber Company

Silvatek Products Division • Tacoma, Washington



**HOW TO  
BUILD  
PRIVACY  
WITH NATURAL  
LIGHT...**

**Use Wasco Acrylite Decorative Paneling**

**Acrylite transmits light**—Even more than other translucent panels! Different from laminated plastic sheets, Acrylite is a *solid* acrylic sheet with natural foliage and fine fabrics *truly* embedded. It spreads softly diffused light, yet lets you see the design elements clearly, in all their beauty.

**Acrylite helps sell houses**—Acrylite is more appealing to women. Its magic transforms an everyday house or room into a thing of beauty. The smooth, glossy surface never needs painting or refinishing, polishing or waxing. Simply wipe clean with a damp cloth. Its beauty is everlasting.

**Acrylite is safe and easy to install**—Light and shatter-proof, you can saw it, drill it — install it anywhere with hand tools. Use it for doors, dividers, ceilings — indoors or out. Write today for a free sample of Acrylite and a descriptive booklet.



**WASCO  
PRODUCTS, INC.**  
8 BAY STATE ROAD  
CAMBRIDGE 38, MASS.

In Canada: Wasco Products (Canada) Ltd., Toronto 15

**DIRECTORY OF  
ASSOCIATIONS**

**Arkansas Soft Pine Bureau**, Boyle Bldg., Little Rock, Ark.

**Asbestos-Cement Products Association**, 509 Madison Ave., New York 22, N. Y.

**Asphalt Institute, The**, Asphalt Institute Bldg., University of Maryland, College Park, Md.

**Asphalt Roofing Industry Bureau**, Rm. 2006, 50 E. 42nd St., New York 17, N. Y.

**Asphalt Tile Institute**, 101 Park Ave., New York 17, N. Y.

**Asphalt and Vinyl Asbestos Tile Institute**, 101 Park Ave., New York 17, N. Y.

**Associated General Contractors of America, Inc.**, 1227 Munsey Bldg., 14th & Pennsylvania Ave., N.W., Washington 4, D. C.

**Association for Applied Solar Energy**, Central Plaza Bldg., Phoenix, Ariz.

**Association of Iron & Steel Engineers**, 1010 Empire Bldg., Pittsburgh 22, Pa.

**Association of State Planning & Development Agencies**, 1026 Seventeenth St., N.W., Washington 6, D. C.

**Association of Steel Distributors**, 29 Broadway, New York 6, N. Y.

**Atlantic Millwork Institute, Inc.**, 25 Melrose Pl., Montclair, N. J.

**Audio Engineering Society**, Box 12, Old Chelsea St., New York 11, N. Y.

**Autoclave Building Products Association**, 4058 Wood St., Saginaw, Mich.

**B**

**Better Heating-Cooling Council**, 250 Park Ave., New York 17, N. Y.

**Better Light Better Sight Bureau**, 420 Lexington Ave., New York 17, N. Y.

**Bituminous Pipe Institute**, 370 Lexington Ave., New York 17, N. Y.

**Building Cleaning & Waterproofing Contractors Association**, 350 Fifth Ave., New York 1, N. Y.

**Building Officials Conference of America, Inc.**, 1525 E. 53rd St., Chicago 15, Ill.

**Building Research Advisory Board**, National Academy of Sciences-National Research Council, 2101 Constitution Ave., Washington 25, D. C.

**Building Research Institute**, National Academy of Sciences-National Research Council, 2101 Constitution Ave., Washington 25, D. C.

**Building Stone Institute**, 420 Lexington Ave., New York 17, N. Y.

(Continued on page 350)



Sales Appeal Goes Up...Costs Go Down...  
with Floors of *Vina-Lux*<sup>®</sup> Vinyl Asbestos Tile

You get an important sales "plus" in the distinctive color and design features of Vina-Lux floors. Prospects go for its practicality, too—cleans easily without waxing! You'll like its low cost and high performance over wood or concrete—on, above, or below grade!

See the complete selection of Vina-Lux—42 colors, 5 styles, 3 thicknesses. Ask your flooring contractor for samples.

*Write for full information on Azrock's Model Home Program: display floors, "hidden value" signs, identification cards, advertising and publicity.*

Vina-Lux is a nationally advertised product.



**AZROCK FLOOR PRODUCTS DIVISION**  
 UVALDE ROCK ASPHALT CO. • 543A FROST BANK BLDG. • SAN ANTONIO, TEX.



MAKERS OF VINA-LUX • AZROCK • AZPHLEX • DURACO



For quiet rooms and beautiful ceilings, Johns-Manville KLEFTONE is the choice of Mrs. America®, the Nation's No. 1 homemaker



## Johns-Manville presents **KLEFTONE** Panels

—the new ceiling with 100,000 noise traps in deep-fissured texture

NEW J-M Kleftone acoustical ceiling panels have a sculptured fissured pattern and tiny perforations that absorb up to 75% of the room noise that strikes them.

Kleftone panels have the classic beauty of Travertine stone. They add high style and decorative beauty that will give your homes a smart, modern look.

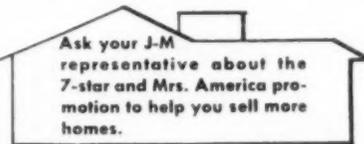
In addition to providing a ceiling of fresh and distinctive appearance

at low cost, Kleftone panels quiet unwanted noise. Today more and more home buyers are interested in acoustically treated homes.

Kleftone ceilings, available in 12" x 12" and 12" x 24" panels, are pre-decorated in a white flame-resistant finish. They are quickly and easily applied. The famous Johns-Manville lightning joint conceals all fastenings.

You'll find homes easier to sell with J-M Kleftone ceilings. We'll be

glad to send you complete information. Write: Johns-Manville, Box 111, New York 16, N. Y.



Ask your J-M representative about the 7-star and Mrs. America promotion to help you sell more homes.

# JOHNS-MANVILLE



© REG. U. S. MRS. AMERICA, INC.

# Misceramic Tile

... offers more for you and your customers, too

Nothing adds to the sales appeal of a new home more than beautiful, glamorous ceramic tile. Now, Misceramic makes it possible and profitable to include tile in volume built as well as custom homes.

Because Misceramic tile can be easily and quickly installed by almost anyone, the cost is up to one-third less. A complete line of wall and floor tiles, trims, fixtures and installation materials is available, *in stock*, for immediate delivery.

Ceramic tile is now as economical and practical to install as ordinary surfaces so add this special sales feature to your homes and enjoy more sales — more profits.



For the name of your nearby Misceramic  
Tile Distributor, write or call:

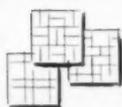
**Misceramic Tile**

CLEVELAND, MISSISSIPPI

EVERYTHING NECESSARY FOR PROFESSIONAL TILE INSTALLATION



14 classic wall  
tile colors



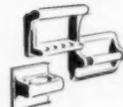
14 porcelain  
floor tile colors  
in 8 designs



7 MISTEX  
crystalline  
glazed floor  
tile colors



Matching  
trim tiles



Blending  
fixtures



Installation  
materials

# BUILDERS VOTE OAK

**New survey shows 86.4% of builders use Oak Floors in living rooms...83.8% in dining rooms...89.8% in bedrooms of conventional foundation homes**

## **EASILY INSTALLED OVER WOOD OR CONCRETE**



**Simplest of all floors to install, Oak is nailed to subfloor in wood joist construction. Modern Strip Oak Floors are precision manufactured in a variety of sizes and grades to suit any building requirement.**



**Screeds laid in mastic provide nailing surface for installing Strip Oak Floors in homes built on concrete slabs. Write National Oak Flooring Manufacturers' Association for free installation manual.**

What flooring material do home builders like best? The above figures, developed in a new survey of builders throughout the country, leave little doubt. They gave a tremendous majority (a high of 89.8%) to Oak as the floor used most often in living, dining and bedrooms of conventional foundation homes. This survey covered every type of home building operation . . . large and small, market and contract. Its findings are authenticated by figures on actual shipments of Oak Flooring which, for many years, have shown Oak Floors first by far.

## **POPULARITY IS WELL DESERVED**

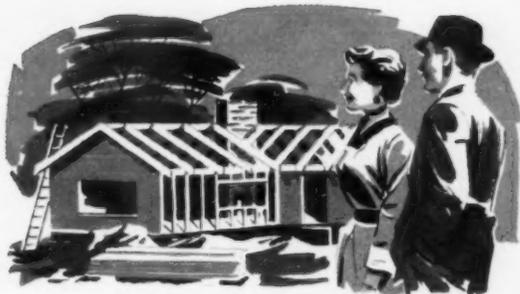
Oak Flooring has many advantages of beauty and practicality, plus economy. It costs much less than almost any other floor, yet is a symbol of luxury to home buyers. Always in style, appropriate with any architecture, Oak Floors are a builder's best choice for any home.

## **Compare these advantages of OAK with any floor at any price**

Lifetime durability	Warm and healthful
Distinctive grain and color	Easy to install
Easy to keep clean	Comfortable resilience
Low cost	Non-denting surface
Natural wood beauty	High insulating quality
Resistance to damage	Home buyer preference

**The most popular, most practical of all floors**

# FLOORS FIRST BY FAR



## Home buyers prefer Oak Floors over all other types

No other flooring material has ever approached the popularity of Oak with home buyers. Only Oak offers all these features and at low cost: natural beauty, warmth and resilience, lifetime durability, ease of maintenance.



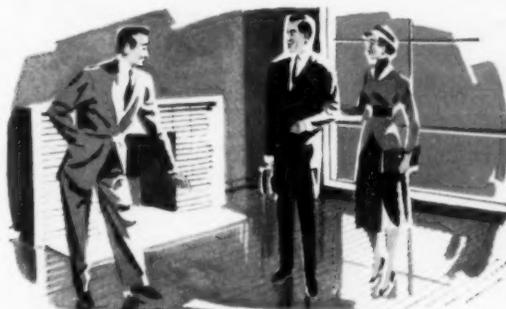
## Oak Floors increase loan and resale values

The universal acceptance of Oak Floors helps builders obtain highest loan valuations. In the resale market an Oak Floor is always an asset because it resists so well the signs of age and wear.



## Oak Floors enrich all home styles

Oak Floors adapt naturally to all architectural and decorative styles. Their warm wood beauty provides the perfect accent to either contemporary or traditional settings, harmonizes with all colors.



## 88.8% of realtors vote Oak Floors "most acceptable"

Realtors know, perhaps better than anyone else, the value of Oak Floors in selling homes. A new survey shows 88.8% of all realtors endorse Oak as the "most acceptable" floor to home buyers.



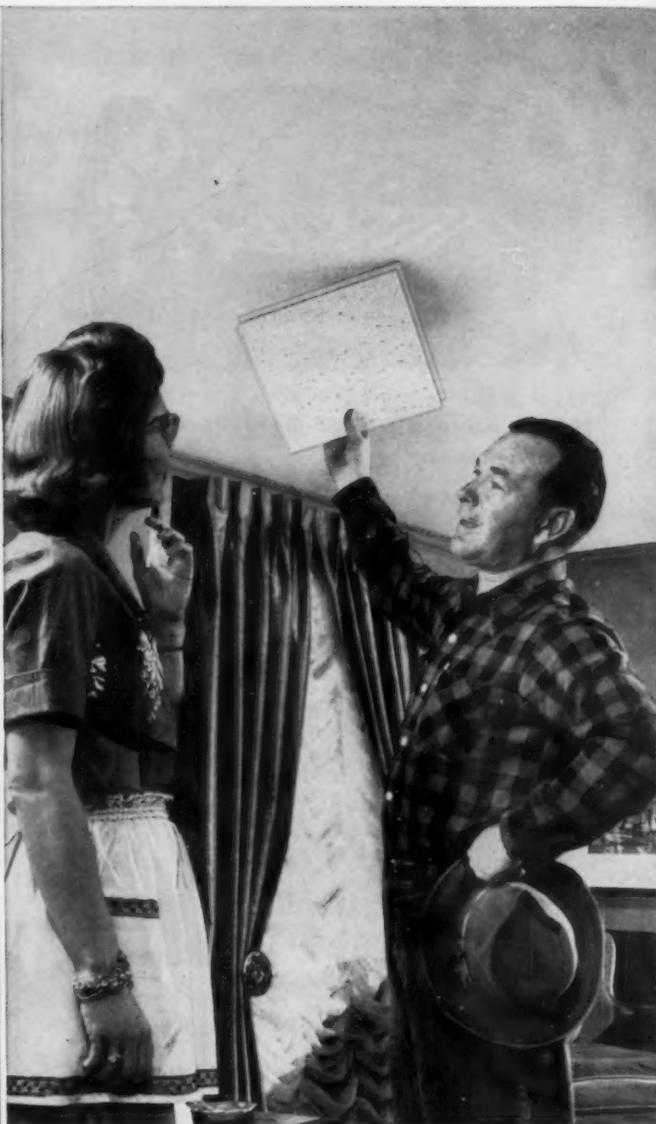
NATIONAL OAK FLOORING MANUFACTURERS' ASSOCIATION  
814 Sterick Building, Memphis 3, Tenn.

# OAK FLOORS

# If you do remodeling work: Read how to make extra

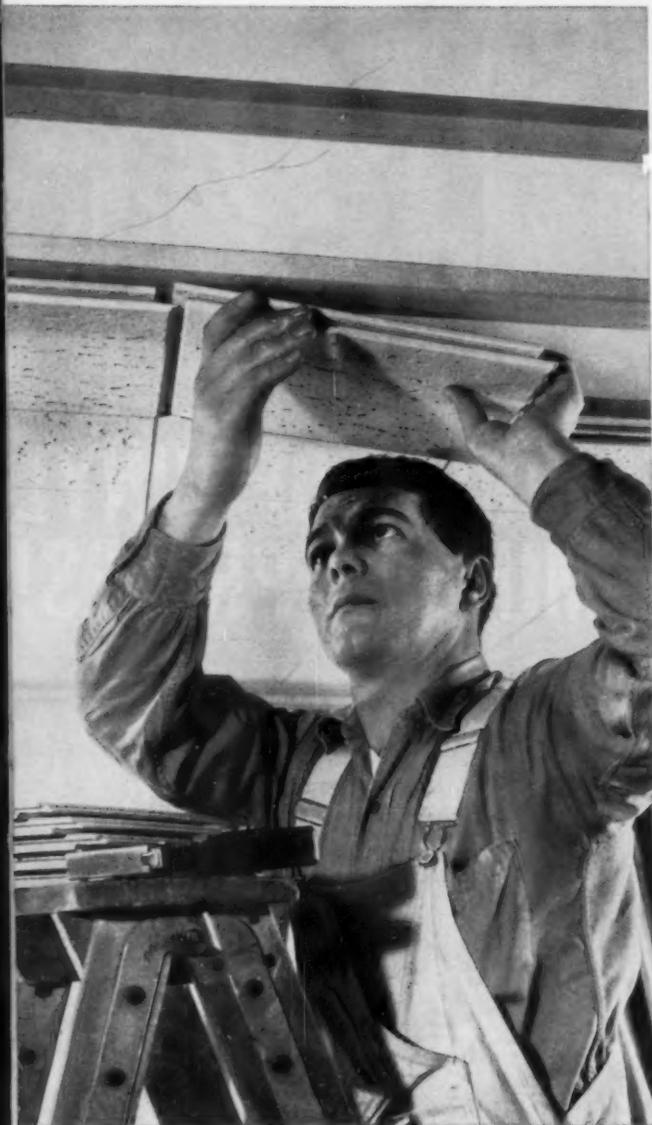


**1. Go to your Armstrong lumber dealer.** Customers often ask him to recommend someone who will install Armstrong ceilings. He can give you many profitable leads. He will also give you samples of the various decorative and noise-quieting Armstrong ceiling tiles. He has sales literature that will help you get more jobs and make more money by installing Armstrong ceilings.



**2. Include ceilings in remodeling estimates.** When you are asked to give a price for any kind of interior remodeling job, always look at the ceiling. There are many homes with cracked and peeled ceilings needing repair. Show your Armstrong ceiling samples and recommend a new Armstrong ceiling as part of a remodeling package plan. You offer an extra service — and make extra money.

## money putting up Armstrong Ceilings



**3. No long training period necessary.** Unlike many building skills, your men do not need years of experience to put up Armstrong ceilings. Anyone familiar with hammer and saw can install an Armstrong ceiling. No special tools — no special skills. Your lumber dealer will show you how. Or write to Armstrong Cork Company, 3904 Rider Avenue, Lancaster, Pa., for more information.

**4. One job leads to another.** Satisfied customers will tell their friends and neighbors how pleased they are with their new Armstrong ceilings. This will lead to other jobs. Armstrong ceilings are easier to sell because they are the best known name in ceilings and offer the widest choice of new and exclusive designs. They are the only ceilings advertised on network TV.

**Armstrong CEILINGS**

*... a profitable new business for you*

Here's how to meet the demand for better quality in low cost homes and still make a good profit



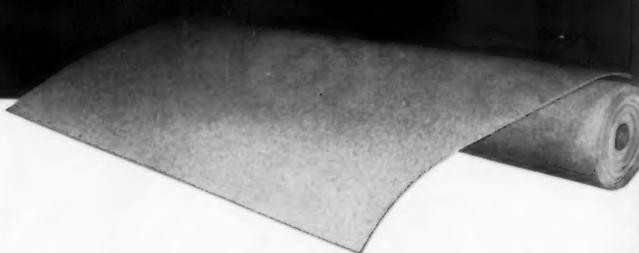
OFFER THE SUPERIORITY OF VINYL  
...AT BUDGET-MINDED PRICES!

...WITH *Bolta-Floor* AND *Bolta-Top*  
"Vogue" HEAT RESISTANT SURFACES



New Modern, High-Style, All-Vinyl Floor Tile for as low as \$28.00 installed in average 8' x 10' room

New Vogue is designed in eye-appealing colors and patterns that last years longer with less care. Vogue offers the resistance to stains, scuffs, spotting and fading that have made vinyl so much in demand. It mops clean as new without harsh scrubbing and does not require waxing.



Beautiful Mar and Stain Resistant Flexible Vinyl Protected with MYLAR\*. Easier to install. For 1/2 the cost of pre-formed surfaces

New Bolta-Top, in either standard or cigarette-resistant grades, is available in the newest decorator colors and patterns. Its beauty is protected with Mylar\* for more years of resistance to scuffs and stains. Bolta-Top folds without cracking around edges and up walls . . . can be applied easily on-the-job without special tools. May be installed with or without molding.

Get the full story on these beautiful, durable, low-cost high-quality vinyls.

Write today to:

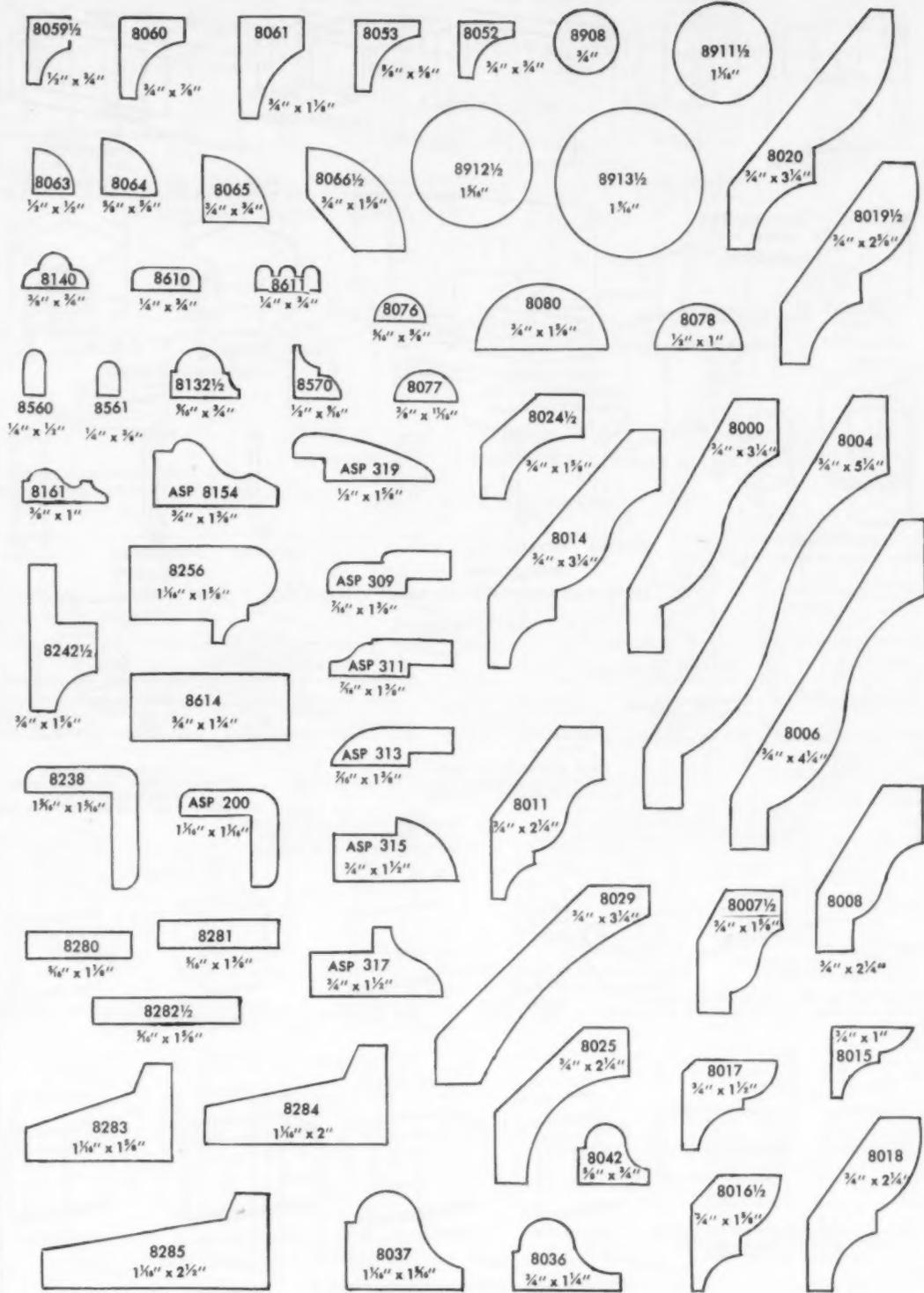


**THE GENERAL TIRE & RUBBER COMPANY**  
BUILDING MATERIALS DIVISION • AKRON, OHIO



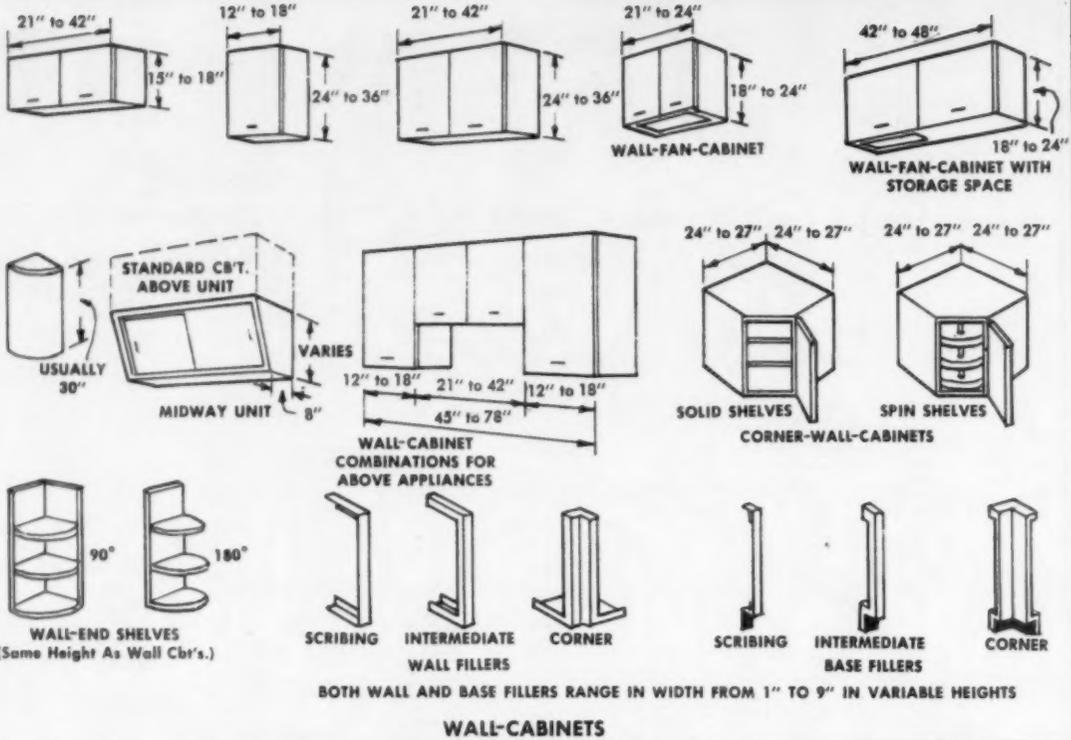
# MILLWORK, CABINETS

Wood Mouldings—8000 Series

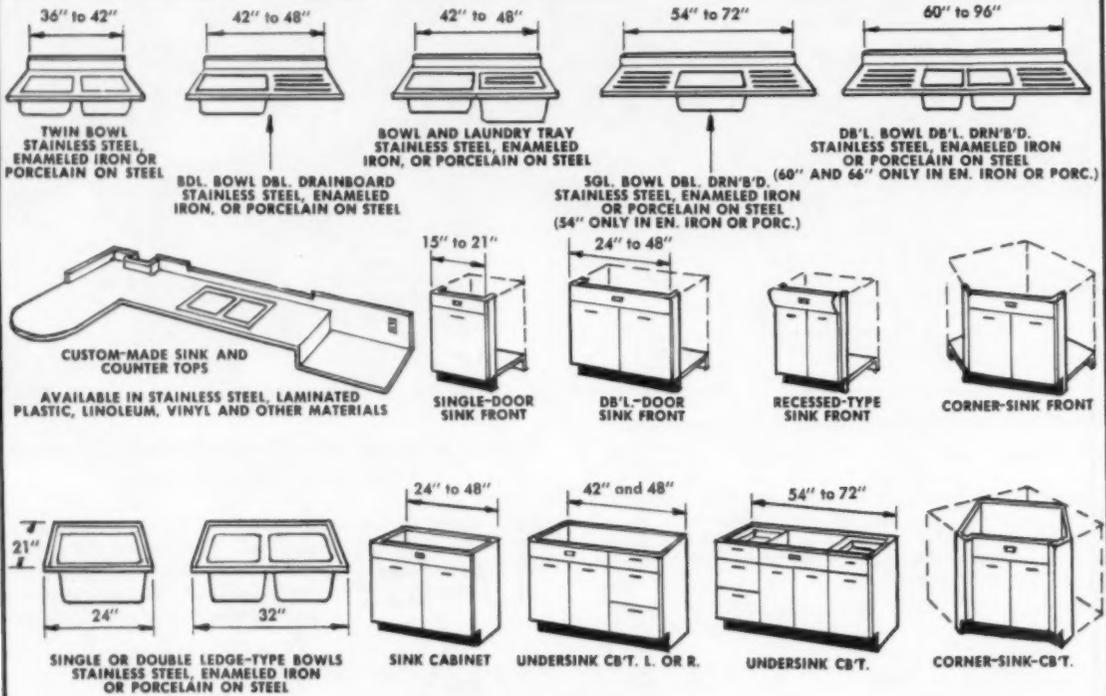


# MILLWORK, CABINETS

## Steel Kitchen Cabinet Standards



### WALL-CABINETS



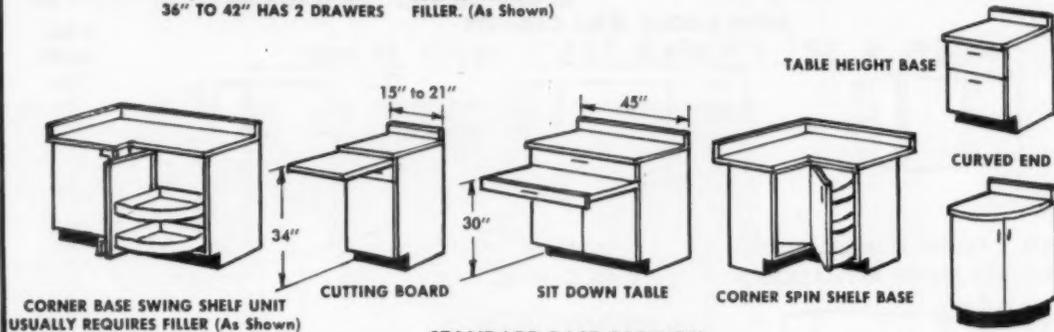
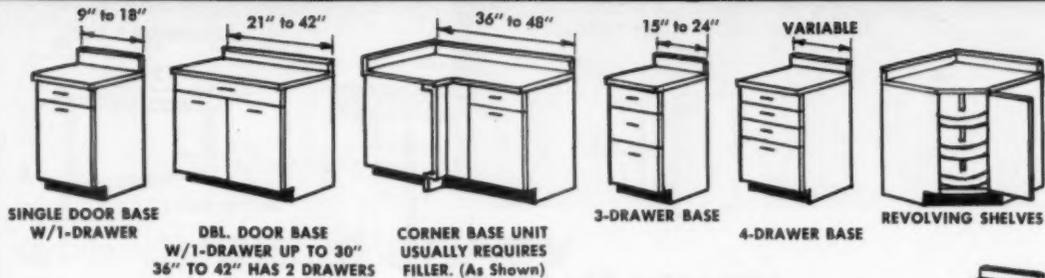
### SINKS AND UNDERSINK CABINETS

Courtesy Steel Kitchen Cabinet Manufacturers Assoc.

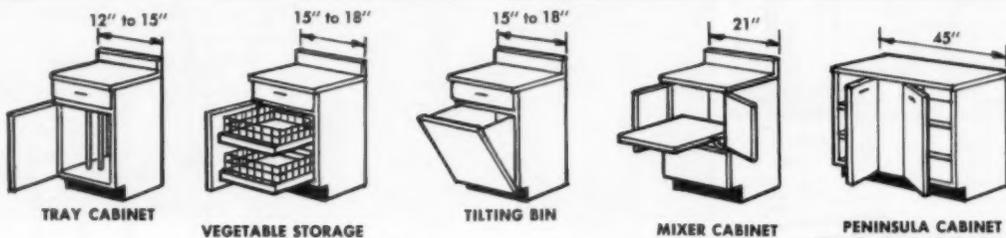
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# MILLWORK, CABINETS

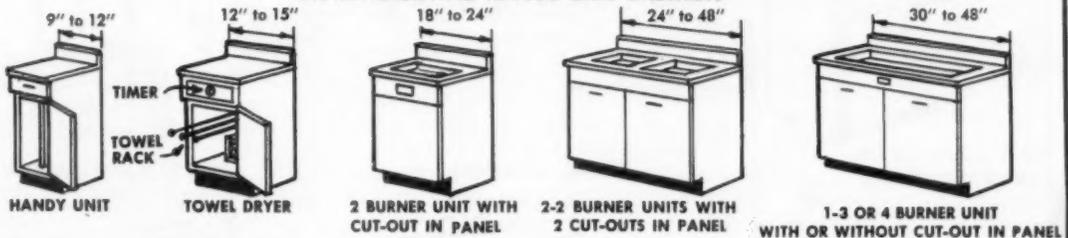
## Steel Kitchen Cabinet Standards



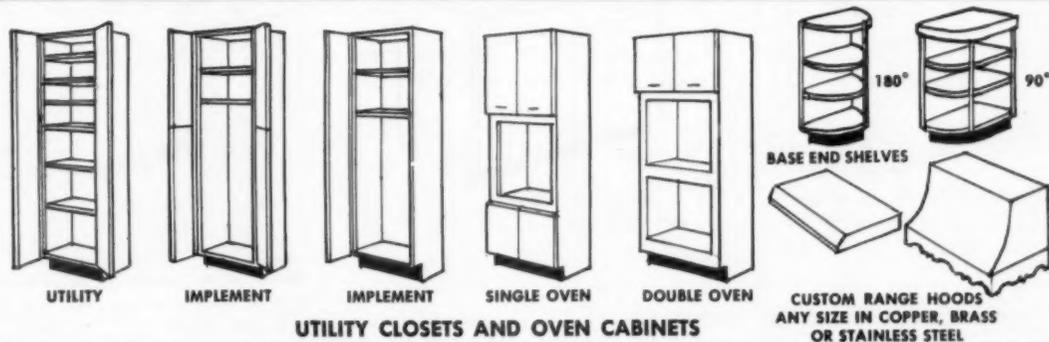
## STANDARD BASE CABINETS



## FITTED BASE AND RANGE UNIT CABINETS



Courtesy Steel Kitchen Cabinet Manufacturers Assoc.

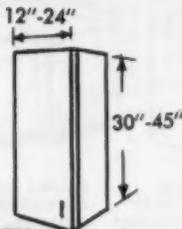
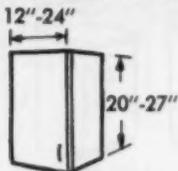
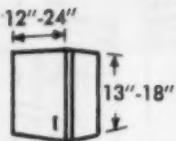


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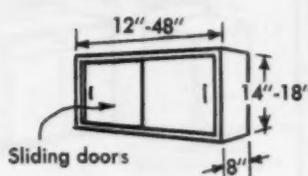
# MILLWORK, CABINETS

## Wood Kitchen Cabinet Standards

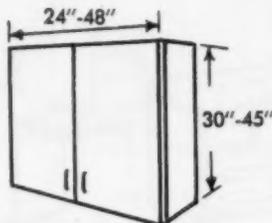
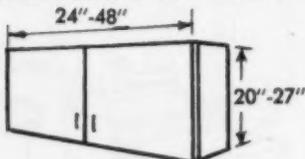
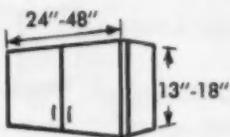
### SINGLE-DOOR WALL CABINETS



### MIDWAY UNIT



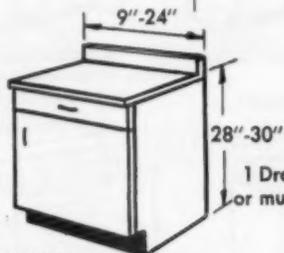
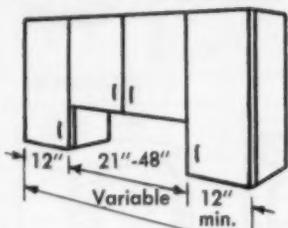
### DOUBLE-DOOR WALL CABINETS



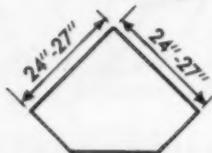
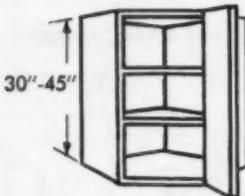
### WALL FILLER



### WALL-CABINET COMBINATIONS FOR USE ABOVE APPLIANCES



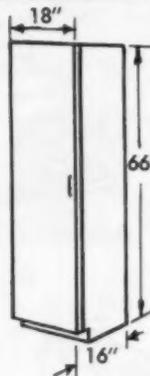
### CORNER WALL CABINET



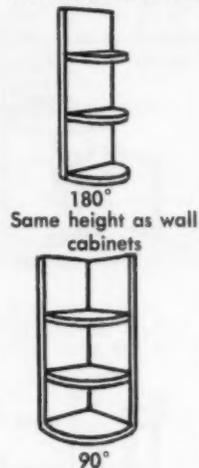
With solid or spin shelves

1 Drawer, 1 Door  
or multiple drawers

### UTILITY OR BROOM CABINET



### WALL-END SHELVES

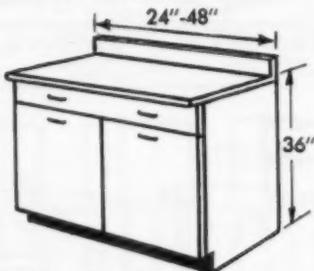


### LOW COUNTER OR LAVATORY UNITS



Single-Door Base with 1 drawer

### BASE CABINETS



Double-Door Base with 1 drawer up to 24\"/>

### BLIND CORNER BASE



With or without spin shelves

Wood kitchen cabinets can be obtained in any 3\"/>

Courtesy National Institute of Wood Kitchen Cabinets

15



\$17,500 Home

Pionite-surfaced cabinets in Oyster Ash . . . counter tops in Flitter . . . give this kitchen luxurious beauty.



with **JUDIE O'GRADY**  
and the **COLONEL'S LADY...**



\$47,500 Home



Pionite Platinum Walnut surfaces the cabinets of this distinctive kitchen . . . counters, back-splash and shelves in lifetime, non-staining linen.

... it's **Pionite 4 to 1**

In small or large homes, Pionite makes attractive, easy-to-keep-clean, *lifetime* kitchens. With Pionite, the first cost is the last cost. No painting, refinishing, or polishing *ever*. More economical, easy to work with, melamine-armored, high pressure Pionite goes on counters, cabinets, and walls faster. And there are over 250 decorative patterns, solid colors and true-to-life woodgrains to choose from . . . making possible countless appealing decorative effects. Small wonder 4 out of 5 women prefer Pionite over all others. See Pioneer in Sweet's Architectural Service 14a/Pi. Consult Yellow Pages for nearest distributor.



MAKE IT RIGHT WITH  
**Pionite**  
LIFETIME LAMINATES

PIONEER PLASTICS CORP., Sanford, Maine · Los Angeles, Calif.

**Pionite**, in standard 1/16", and post-forming grade .051, comes in the following convenient-to-use sizes:

- Width 24"**  
— lengths 96", 120"
- Width 30"**  
— lengths 48", 60", 72", 84", 96", 120"
- Width 36"**  
— lengths 60", 72", 96", 120"
- Width 48"**  
— lengths 96", 120"

**GLAMOR-BOARD**, a 5/32" plastic-surfaced hardboard, is also available in 4' x 8' panels, or cut to size.

AB 459

**PIONEER PLASTICS CORP.**  
Sanford, Maine

Please send me your new full-color brochure:

Address \_\_\_\_\_

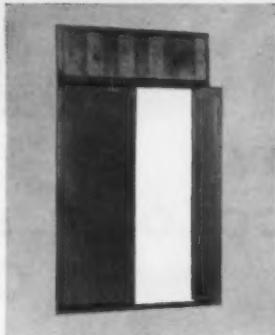
Name \_\_\_\_\_

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

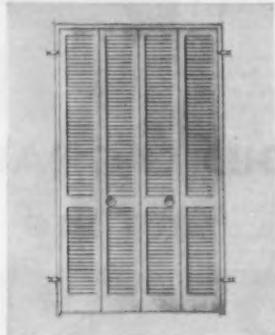
1  
9  
5  
9

# PRECISION BUILDING PRODUCTS

designed & engineered by HARMON



7'-9" DELUXE  
CLOSET FRONT



6'-8" LOUVERED  
CLOSET FRONT



6'-8" FLUSH  
CLOSET FRONT

NATIONALLY ADVERTISED  
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Building Books

HOUSE BEAUTIFUL

BETTER HOMES &  
GARDENS

HOUSE & GARDEN

HOME MODERNIZING  
GUIDE

NEW HOMES GUIDE



"PUSH BUTTON"  
ELECTRIC STAIRWAY

Rough opening, 30" x 72". Power  
Unit—1/3 hp electric motor.

SAVE LABOR--SAVE DOLLARS

with the new

"20-MINUTE" CLOSET FRONT

"Completely assembled,"  
including jambs and head-  
er — braced and ready to  
set. Aluminum track. Nylon  
guides. Pivot brackets are  
nylon bushed. No door  
stop to sweep over. One  
man sets by driving 4 nails  
through factory attached  
cleats and installs in 20  
minutes.



PRECISION SUPER  
DELUXE STAIRWAY

Rough opening, 30" x 54". 2 sizes:  
8'9" & 9'9" ceiling heights.



SIMPLEX "85" STAIRWAY

For rough opening, 26" x 54". 1  
size: 8'3" ceiling height.



SIMPLEX SPECIAL STAIRWAY

For Truss Construction. For rough  
opening, 21 1/2" x 44 1/2". 8'3" ceiling  
height.



SIMPLEX STAIRWAY

For rough opening, 26" x 54". 2  
sizes: 8'9" & 9'9" ceiling heights.



SUPER SIMPLEX STAIRWAY

For rough opening, 30" x 54". 2  
sizes: 8'9" & 9'9" ceiling heights.



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Precision "20-Minute" Closet Front Line

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Over 120 designs and sizes in  
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**UPPER UNITS—**  
Series "U"—13" Deep

**OVER REFRIGERATOR — OVER RANGE**  
16" high, no shelves — 22" high, one shelf  
Two Doors — 24, 27, 30, 33, 36, 39-inch widths

Three Doors — 42, 45, 48-inch widths

**WALL UNITS**

32" high, two shelves — 45" high, three shelves  
One Door — 12, 15, 18, 21-inch widths

Two Doors — 24, 27, 30, 33, 36, 39-inch widths

Three Doors — 42, 45, 48-inch widths



SERIES "LP"

**LOWER UNITS—**  
34½" high, 24¾" deep

SERIES "LP"—one shelf  
One Door — 9, 12, 15, 18, 21-inch widths  
Two Doors — 24, 27, 30, 33, 36, 39-inch widths

Three Doors — 42, 45, 48-inch widths

**SERIES "LD"—All Drawers**

Three Drawers — 15, 18-inch widths  
Four Drawers — 21, 24, 30, 36-inch widths



SERIES "LD"

**SUPER SATIN SURFACE**  
Optionally available for all cabinet units on all flat exposed birch surfaces.



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UPPER CORNER



CORNER REVOLVING SHELF



CORNER SHELF



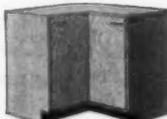
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SNACK BAR



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See our complete catalog in Sweet's 1959 Light Construction File or write us for catalog and name of nearest distributor!

**SPECIFICATIONS**

**DOORS**—1½" thick, 5 ply, solid flush construction. Softwood core cross-banded and face veneered with select light colored Birch. Lipped edges.

**DRAWERS**—Dovetailed corners. Fronts face veneered and lipped to match doors. Hardwood center guides.

**FRONT FRAMES**—Narrow lines, ¾" thick Birch. Mortise and tenon joints, glued. Holes for nailing pre-drilled.

**ENDS**—¾" solid softwood, dadoed for bottom, drawer supports, tilting strips. Drilled for shelf pins.

**SHELVES**—¾" glued softwood, adjustable.

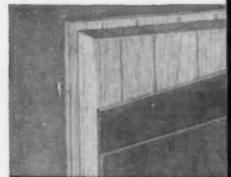
**BACKS**—Furnished on all units.

**TOE SPACE**—Built in, 4" high, 3" deep.

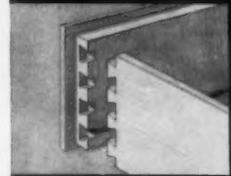
**HARDWARE**—includes pulls, hinges, door catches, shelf pins. Pulls, hinges available in 4 finishes.

**NAILS AND SCREWS**—All required furnished with each unit, including long screws for hanging upper units and "T" bolts for joining assembled units.

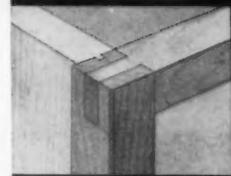
Units individually carton packed with complete instructions.



FULL 1-1/16" DOORS



DOVETAILED DRAWERS



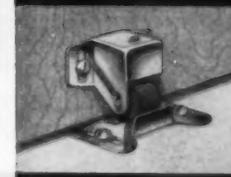
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ENTRANCES • DOORS • FRAMES • SASH • BLINDS • CASEMENTS • SLIDING DOORS • SCREENS • COMBINATION DOORS  
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Now is the time to sell

# I Q

INDIVIDUALITY  
AND  
QUALITY

sell both...at a good profit...with the  
**CURTIS I Q** program

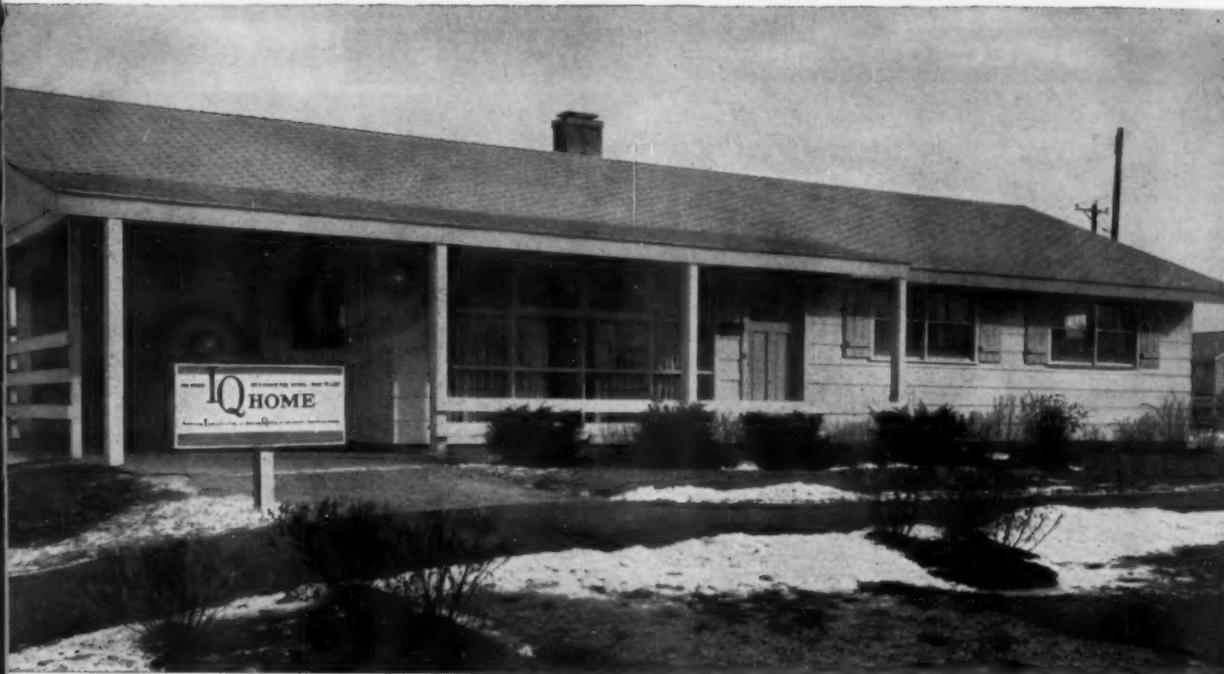
Who's willing to live in a "look-alike" house? Fewer and fewer families. More home buyers today can afford a house with a distinct personality, one that meets their particular needs, one they can really be proud of.

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Now is the time to let Curtis help you build a reputation for homes of individuality and quality. Get in on the Curtis I.Q. profit-building program right away. The coupon will bring full details.



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a big schedule of full-page, full-color advertising in *Better Homes & Gardens*, plus full-page advertisements in *New Homes Guide* and other consumer building manuals.

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national ad display easel... window stickers... signs to identify your model homes... plus literature, ad mats, radio and TV scripts, publicity and other localized sales helps.

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Mail the coupon today!**

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individuality and Quality in doors, windows and FashionWood kitchens

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AB-4-59

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(Continued on page 354)

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New! exclusive  
**WOOD  
GRAINS**

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CLEAR MAPLE

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in Laminated Plastic by  
**CONSOWELD!**

**Never before such authenticity!** Consoweld's new laminated plastic wood-grain patterns bring all of the design-appeal, color, and luxury of richly grained wood paneling. All the warmth and character of the dramatic rich cathedral graining and crossfire highlights are faithfully reproduced.

**Applications are endless!** It's the answer to horizontal and vertical installations in offices, stores, churches, motels, cocktail lounges, restaurants, lobbies, or other installations where permanent beauty and low maintenance cost are desirable. And Consoweld's exclusive big panel means fewer seams and lower installation cost.

From coast to coast, more than 100 distributors are strategically located to supply your requirements for Consoweld laminated plastic products.



**RICHNESS:** This office shows the distinctive effect Consoweld wood-grains lend to walls.

**CONSOWELD**  
LAMINATED PLASTIC

Decorate with **GOLD!**  
 Golden Flecked *FLICKER*  
 in Laminated Plastic by  
**CONSOWELD**



**Sparkling new Consoweld Laminated  
 Plastic surfacing available in  
 6 luxurious decorator colors!**

Consoweld's striking *Flicker* pattern meets the new rising tide of popularity for gold—makes this new decorator color a functional part of today's interior schemes. This delightfully patterned laminated plastic is most suitable for kitchens and bathrooms in homes and motels; for counter and wall

applications in hotels, cocktail lounges, beauty parlors, stores, offices, institutions—wherever the sparkle and color fit the decor. Consoweld's exclusive 51" x 144" jumbo panel reduces seams and cuts installation costs. For information and name of nearest distributor, mail the coupon.

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Long-Bell Kitchen Cabinets are available in units to fit any kitchen (in 3" modules) . . . Ready to install or knocked down.

# Natural Beauty

with Super Satin Surface Kitchen Cabinets



## Long-Bell kitchens help enhance your reputation and your profits

This pleasant kitchen is your "working" salesman long after the sale is made.

The mellow color of natural wood Long-Bell Kitchen Cabinets stays fresh and pleasing for the life of the home. The hearty warmth of L-B rift grain fir and natural birch cabinets fits any decor . . . And, L-B cabinets can be finished and refinished for generations.

**IMPORTANT NEWS!** The new "Super Micro-seal" process is now applied to all Long-Bell Kitchen Cabinets (set up or knocked down). This revolutionary process saves you up to 75% of the complete finishing job. Low-cost, Super Satin Surface needs no additional sanding. Sealer coat is not needed on Super Microsealed Surfaces.

Attractive, custom-tailored Long-Bell doors and windows also add to the prestige of your home. You can increase profits even further by specifying L-B Flakewood® paneling . . . the easy-to-install third dimensional panel that slashes labor costs while enriching any room.

WRITE TODAY for free information on L-B Kitchen Cabinets, doors, windows and Flakewood®

INTERNATIONAL PAPER COMPANY

**Long-Bell**

DIVISION

Longview, Washington



Illustrated: Camellia Skylark 93-L-48  
Tawny Walnut 18-FC-22

Shop fabricated  
**FORMICA**<sup>®</sup> tops and...  
*Laminated Plastic*

...Site applied  
**FORMICA**<sup>®</sup>  
*Laminated Plastic*  
wall surfacing

*... make the best sales team a builder ever had!*

# Builders and Homemakers Favor

## Fully Formed FORMICA® Tops

Laminated Plastic



One-piece construction Formica laminated plastic kitchen tops have become so popular that many fabricators offer them to builders at little or no premium over conventional tops with metal moldings.

This type of top is produced on special bending presses from a postforming grade of Formica. Finished top, usually with sink bowl installed and all cutouts made, is brought to the job and installed complete. Tell your fabricator-dealer you want genuine Formica and insist that the brand marking be left on the top. This identification is your customer's assurance you use only top quality materials.

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### On-the-Job

Greatly simplified application techniques using new Formica Safe Bond Cement have popularized job site application of Formica laminated plastic vertical surfaces.

A portable router for cutting and trimming, a paint brush for applying adhesive to the wall and back of Formica, and a rubber roller for assuring good all-over contact, are all that are required to give your homes the sales appeal of beautiful, practical Formica walls.

Apply Formica colors and woodgrains in full sheets, random width planking, squares, or many special effects as complete feature walls or wainscot heights.

Write for builders' catalog with full line of color swatches.

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A specially prepared kit of builder merchandising helps for model homes has just won an award from Producers Council for effectiveness at your point of sale. These kits are available free from your local Formica district office.

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*This mark certifies genuine*

**Be sure you get genuine Formica. Look for this wash-off registered trade mark on the surface.**



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**National Established Roofing, Siding and Insulating Contractors Association**, 12 E. 41st St., New York 17, N. Y.

(Continued on page 388)

# HARDWARE, BUILDING SPECIALTIES

## Wire Nail Estimating Data

Size and Kind of Material	1000 Foot Board Measure	Trade Name	Lbs. of Nails Required			Length of Nails	No. of Nails to Ea. Bearing
			12" Centers	16" Centers	24" Centers		
1 x 4 Boards and Shiplap.....		8d common	60	48	30	2½"	2
1 x 6 Boards and Shiplap.....		8d common	40	32	20	2½"	2
1 x 8 Boards and Shiplap.....		8d common	31	27	16	2½"	2
1 x 10 Boards and Shiplap.....		8d common	25	20	13	2½"	2
1 x 12 Boards and Shiplap.....		8d common	31	24	16	2½"	3
1 x 4 D&M Blind Nailed.....		8d common	30	24	15	2½"	1
1 x 6 D&M Blind Nailed.....		8d common	20	16	10	2½"	1
1 x 8 D&M Blind Nailed and 1 Face Nail.....		8d common	31	27	16	2½"	2
1 x 10 D&M Blind Nailed and 1 Face Nail.....		8d common	25	20	13	2½"	2
1 x 12 D&M Blind Nailed and 1 Face Nail.....		8d common	21	16	11	2½"	2
2 x 4 to 2 x 16 Framing.....		20d common	20	16	10	4 "	....
		16d common	10	10	6	3½"	....
		10d common	8	6	4	3 "	....
3 x 4 to 3 x 14 Framing.....		60d common	30	25	15	6 "	....
2 x 6 D&M Flooring.....		20d common	35	27	18	4 "	1
2 x 8 D&M Flooring.....		20d common	27	20	14	4 "	1
1 x 4 Drop Siding.....		7d siding	45	35	....	2½"	2
1 x 6 Drop Siding.....		7d siding	30	25	....	2½"	2
1 x 8 Drop Siding.....		7d siding	23	18	....	2½"	2
½ x 4 Bev. Siding.....		6d siding	23	18	....	2 "	1
½ x 6 Bev. Siding.....		6d siding	15	13	....	2 "	1
½ x 8 Bev. Siding.....		6d siding	12	10	....	2 "	1
¾ x 10 Bev. Siding.....		7d siding	45	35	....	2½"	2
¾ x 12 Bev. Siding.....		7d siding	60	50	....	2½"	3
¾ x 4 Ceiling.....		8d finish	18	14	9	2½"	1
½ x ¾" Ceiling.....		6d finish	11	8	6	2 "	1
¾" Finish Lumber.....		8d finish	25	12	13	2½"	2
1¼" Finish Lumber.....		10d finish	12	10	6	3 "	2
1 x 3 Flooring, Soft Wood.....		8d floor brads	42	32	21	2½"	1
1 x 4 Flooring, Soft Wood.....		8d floor brads	32	26	16	2½"	1
1 x 6 Flooring, Soft Wood.....		8d floor brads	22	18	11	2½"	1
¾ x 1½ Flooring, Hard Wood.....		4d casing	13	10	....	1½"	1
¾ x 2 Flooring, Hard Wood.....		4d casing	11	8	....	1½"	1
¾ x 1½ Flooring, Hard Wood.....		7d casing	27	20	....	2½"	1
¾ x 2¼ Flooring, Hard Wood.....		7d casing	20	14	....	2½"	1

1 x 2 Furring on Brick Walls—100 Lineal Ft.—20d Cut Nails, Requires 5¼ lbs.

Base Per 100 Lineal Ft.

Sides of Trim, Per Side of Inside Trim.

48" Wood Lath Per 1000 Lath.

Metal Lath Per 100 Sq. Yds.

or Metal Lath Per 100 Sq. Yds.

¾" Gypsum Lath, Per 100 Sq. Yds.

¼" Plaster Board, Per 100 Sq. Yds.

¾" Wall Board, Per 1000 Sq. Ft.

¼" Wall Board, Per 1000 Sq. Ft.

¾" Wall Board, Per 1000 Sq. Ft.

BATTENS Will Require ½ Lbs. 4d Finish Nails Per 100 Lineal Feet.

For Various Styles of Wallboards, See Manufacturer's Specifications for Recommended Nailing.

8d Finish Requires 1 Lb. 16" on Centers.

4d Finish }  
6d Finish } Requires About ½ Lb. Total  
8d Finish }

3d Fine Requires 7 Lbs.

1" Staples Requires 12 Lbs.

1¼" No. 12 Hook Head Nails Requires 15 Lbs.

1½" x 13 Gauge—¾" Heads Requires 10 Lbs.  
Smooth Diamond Points.

1" x 13" Gauge—¾" Heads Requires 10 Lbs.  
Smooth Diamond Points.

3d Flat Head Nail Requires 5 Lbs.

4d Flat Head Nail Requires 9 Lbs.

16

# HARDWARE, BUILDING SPECIALTIES

## Aluminum Nails

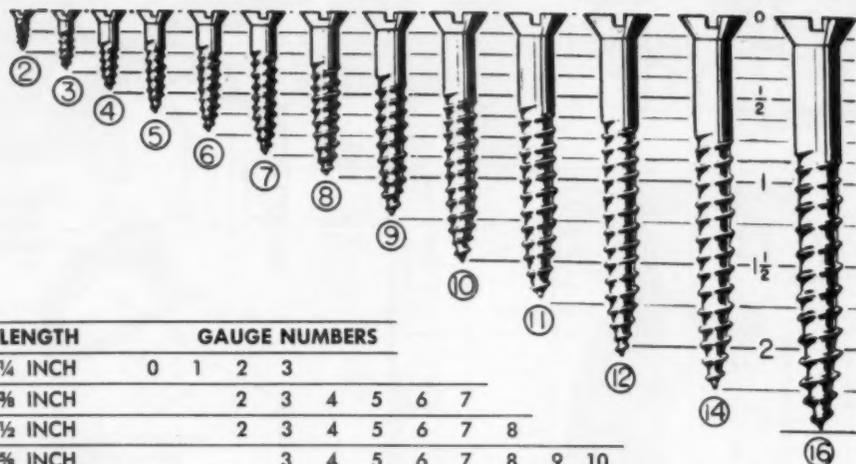
BUILDING MATERIAL	COVERAGE	LENGTH OF NAIL	TYPE OF NAIL	GAUGE	HEAD SIZE INCHES	NAILS REQUIRED			
						12" CENTERS NO.	16" CENTERS NO.		
1/8" x 6" Bvl. Sdg.	1000 bd. ft.	1 3/4"	6d Wd. Sdg.—Skr. Hd.	12	3/8	2000	3.3	1500	2.5
3/8" x 8" Bvl. Sdg.	1000 bd. ft.	2 1/4"	7d Wd. Sdg.—Skr. Hd.	11 1/2	3/8	1500	3.2	1125	2.4
3/8" x 8" Bvl. Sdg.	1000 bd. ft.	2 3/4"	8d Wd. Sdg.—Skr. Hd.	10 1/2	3/8	1500	4.7	1125	3.5
3/8" x 8" Bvl. Sdg.	1000 bd. ft.	2 3/4"	10d Wd. Sdg.—Skr. Hd.	9 1/2	3/8	1500	5.1	1125	3.8
1/8" x 6" Bvl. Sdg.	1000 bd. ft.	1 3/4"	6d Wd. Sdg.—Csg. Hd.	12	3/8	2000	3.3	1500	2.5
3/8" x 8" Bvl. Sdg.	1000 bd. ft.	2 1/4"	7d Wd. Sdg.—Csg. Hd.	11 1/2	3/8	1500	3.2	1125	2.4
3/8" x 8" Bvl. Sdg.	1000 bd. ft.	2 3/4"	8d Wd. Sdg.—Csg. Hd.	10 1/2	3/8	1500	4.7	1125	3.5
3/8" x 8" Bvl. Sdg.	1000 bd. ft.	2 3/4"	10d Wd. Sdg.—Csg. Hd.	9 1/2	3/8	1500	5.1	1125	3.8
Cedar Shakes—Single Course	3 squares	1 3/4"	Cedar Shake	13 1/2	3/8	1680	1.3		
Cedar Shakes—Single Course	3 squares	1 3/4"	Cedar Shake	12 1/2	3/8	1680	2.3		
Cedar Shingles (5 in. expos.)	3 squares	1 3/4"	3d Cedar Shingle	14	3/8	3150	2.1		
Asbestos Siding—Face Nlg.	5 squares	1 3/4"	File Grip Asb. Sdg.	.114	.185	900	1.1		
Asbestos Siding—Face Nlg.	5 squares	1 3/4"	File Grip Asb. Sdg.	.114	.215	900	1.3		
Asbestos Siding—Face Nlg.	5 squares	1 3/4"	Asbestos Siding	13	3/8	900	0.7		
Asbestos Siding—Face Nlg.	5 squares	1 3/4"	Asbestos Siding	12 1/2	3/8	900	1.0		
Asbestos Siding—Cncd. Nlg.	5 squares	1 3/4"	Asbestos Siding	11 1/2	3/8	900	1.2		
Asbestos Siding—Cncd. Nlg.	5 squares	1 1/2"	Asbestos Siding	11 1/2	3/8	900	1.3		
Asbestos Siding—Cncd. Nlg.	5 squares	1 3/4"	Asbestos Siding	11 1/2	3/8	900	1.6		
General Purpose		3/4"	Standard Shingle	12 1/2	3/8				
Barn Batts, Joist, Lining, etc.		1 1/4"	3d Standard Shingle	12 1/2	3/8				
Insulating Siding—Light finish for face nailing	5 squares 60 Butt. Crs.	2 " 2 1/2"	Insul. Sdg.—Chk. Hd.	11 1/2	3/8	1680	2.4		
Insulating Siding—Dark finish for mortar joint nailing	60 Butt. Crs. 5 squares	2 1/2" 2 "	Insul. Sdg.—Chk. Hd.	10 11 1/2	3/8 3/8	600 1680	2.3 2.4		
Gypsum Lath	1000 sq. ft.	1 3/4"	Gypsum Lath	12 1/2	3/8	1534	1.6		
Gypsum Lath	1000 sq. ft.	1 3/4"	Gypsum Lath	12 1/2	3/8	1534	1.7		
Gypsum Lath	1000 sq. ft.	1 1/2"	Gypsum Lath	12	3/8	1534	2.1		
Roll Roofing	500 sq. ft.	3/4"	Roofing	10	3/8	860	1.3		
Sq. Tab Shingles	3 squares	1 "	Roofing	10	3/8	980	1.6		
Sq. Tab Shingles	3 squares	1 1/4"	Roofing	10	3/8	980	2.0		
Sq. Tab Shingles	3 squares	1 1/2"	Roofing	10	3/8	980	2.4		
Sq. Tab Shingles	3 squares	1 3/4"	Roofing	10	3/8	980	2.7		
Sq. Tab Shingles	3 squares	2 "	Roofing	10	3/8	980	2.9		
Sq. Tab Shingles	2 squares	2 1/4"	Roofing	10	3/8	650	2.4		
Aluminum Roofing	5 squares	1 3/4"	Rfg. w/w/att. Scr. Gp.	.145	3/8	525	1.8		
Aluminum Roofing	5 squares	2 "	Rfg. w/w/att. Scr. Gp.	.145	3/8	525	2.0		
Aluminum Roofing	10 squares	1 3/4"	Rfg. w/w/att. Scr. Gp.	.145	3/8	1050	3.6		
Aluminum Roofing	10 squares	2 "	Rfg. w/w/att. Scr. Gp.	.145	3/8	1050	4.0		
Aluminum Roofing	10 squares	2 1/4"	Rfg. w/w/att. Scr. Gp.	.145	3/8	1050	4.8		
Aluminum Roofing	10 squares	1 3/4"	Rfg. w/w/att. Pln. Shk.	10	3/8	1050	3.4		
Aluminum Roofing	10 squares	2 "	Rfg. w/w/att. Pln. Shk.	10	3/8	1050	4.0		

ABREVIATIONS: Bvl. Sdg. — Beveled Siding  
Cncd. Nlg. — Concealed Nailing  
Scr. Gp. — Screw Grip  
Pln. Shk. — Plain Shank

Wd. Sdg. — Skr. Hd. — Wide Siding — Sinker Head  
Csg. Hd. — Casing Head  
Chk. Hd. — Checked Head  
w/w/att. — With Neoprene washers assembled to nail

# HARDWARE, BUILDING SPECIALTIES

## Wood Screw Data



LENGTH	GAUGE NUMBERS																
1/4 INCH	0	1	2	3													
3/8 INCH		2	3	4	5	6	7										
1/2 INCH		2	3	4	5	6	7	8									
5/8 INCH			3	4	5	6	7	8	9	10							
3/4 INCH				4	5	6	7	8	9	10	11						
7/8 INCH					6	7	8	9	10	11	12						
1 INCH					6	7	8	9	10	11	12	14					
1 1/4 INCH						7	8	9	10	11	12	14	16				
1 1/2 INCH					6	7	8	9	10	11	12	14	16	18			
1 3/4 INCH							8	9	10	11	12	14	16	18	20		
2 INCH							8	9	10	11	12	14	16	18	20		
2 1/4 INCH								9	10	11	12	14	16	18	20		
2 1/2 INCH											12	14	16	18	20		
2 3/4 INCH												14	16	18	20		
3 INCH													16	18	20		
3 1/2 INCH														18	20	24	
4 INCH															18	20	24

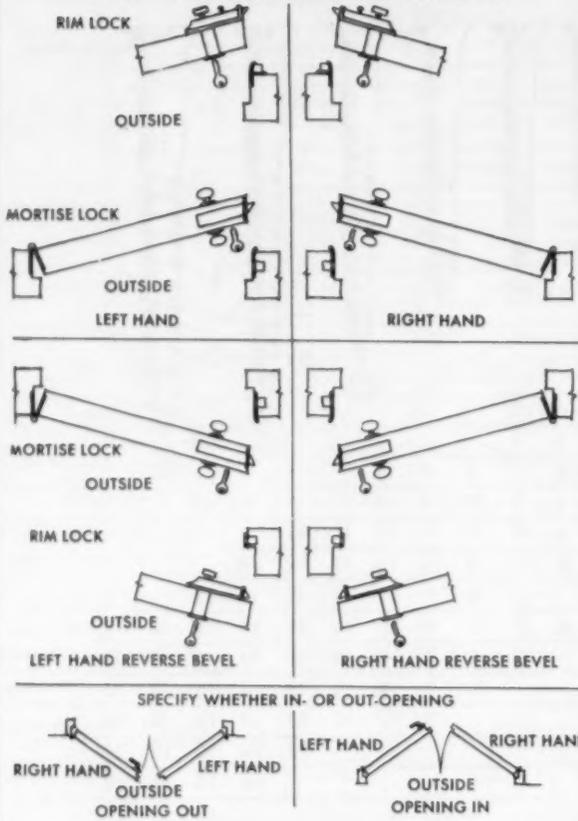
### WOOD SCREW SIZES

Gauge Nos.	Basic Decimal Diameter	Fractional Diameter Nearest 64th	Threads per Inch	Maximum Head Diameter	Drill Number	PILOT OR ANCHOR HOLE SIZES			
						SOFTWOOD		HARDWOOD	
						Slotted Screws	Phillips Screws	Slotted Screws	Phillips Screws
0	.060	1/16-	32	.119	52	75		70	
1	.073	1/16-	28	.146	47	71		66	
2	.086	1/16+	26	.172	42	65	75	56	70
3	.099	3/32+	24	.199	37	58	71	54	66
4	.112	3/32+	22	.225	32	55	65	52	56
5	.125	1/8-	20	.252	30	53	58	49	54
6	.138	1/8-	18	.279	27	52	55	47	52
7	.151	1/8-	16	.305	22	51	53	44	49
8	.164	3/32+	15	.332	18	48	52	40	47
9	.177	1/4+	14	.358	14	45	51	37	44
10	.190	3/16+	13	.385	10	43	48	33	40
11	.203	1/4-	12	.411	4	40	45	31	37
12	.216	3/16-	11	.438	2	38	43	30	33
14	.242	1/4+	10	.491	D	32	40	25	31
16	.268	3/16+	9	.544	I	29	38	18	30
18	.294	1/4-	8	.597	N	26	32	13	25
20	.320	3/16-	8	.650	P	19	29	4	18
24	.372	1/4-	7	.756	V	15	26	1	13

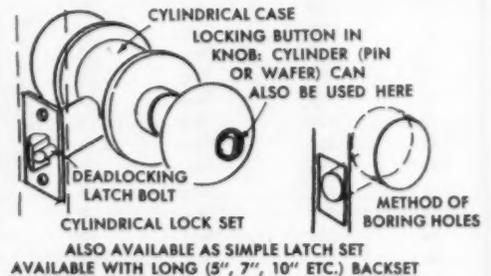
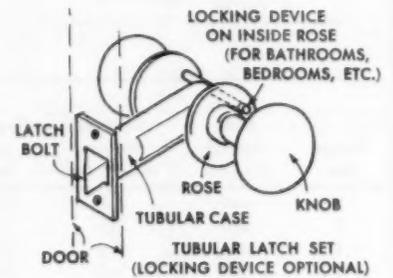
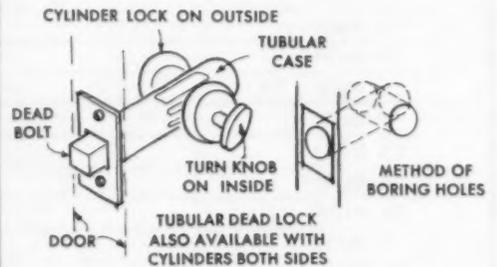
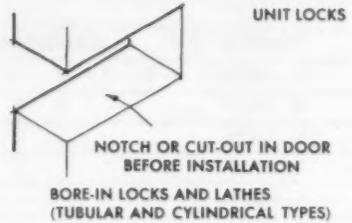
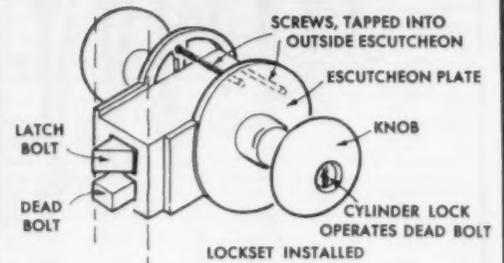
# HARDWARE, BUILDING SPECIALTIES

## Hardware Details

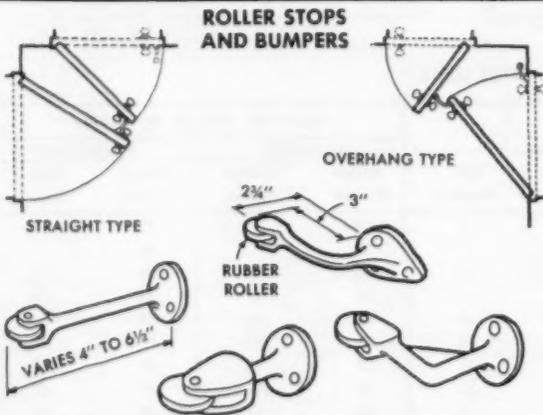
### HAND OF DOORS, CASEMENT WINDOWS



### TYPES OF LOCKS AND LATCHES



Courtesy National Builders Hardware Association



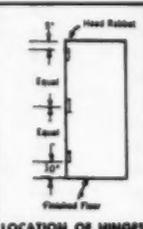
Hinges	
130" 10'-0"	4
9'-0"	
90" 7'-6"	3
7'-0"	
60" 5'-0"	2
4'-0"	
3'-0"	

NUMBER OF HINGES PER DOOR Varies with height of door

**HOW TO SPECIFY HINGES**

Number (in Pairs) - Color Ball or Other Bearings of Requirement - Type of Top - Type of Screws - Type of Hinge - Metal - Height - Width (Required Only for Full Mortise Hinge) - Weight (Regular or Heavy) - Finish

TEMPLATE HINGES are made to Standard, Templates or Patterns Closely in Accordance with Government Standard to insure exact matching of Hinge and its Screw Holes with Metal Doors and Metal Jambes Fabricated by Other Manufacturers

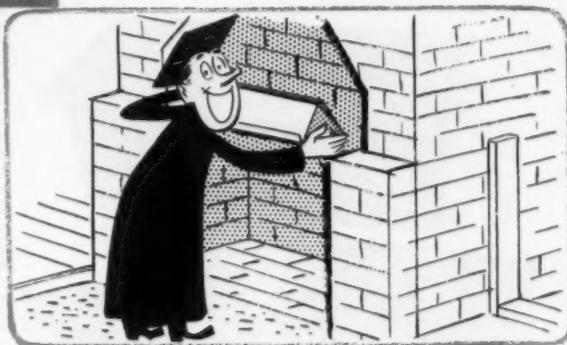




REASONS WHY IT'S  
GOOD BUSINESS TO  
INSIST ON *Donley*  
FIREPLACES



1. COMPLETE RANGE OF TYPES AND SIZES



2. FASTER, EASIER INSTALLATION



3. HOMES SELL FASTER



4. TROUBLE-FREE OPERATION

IT TAKES A LOT OF PLANNING TO MAKE A HOUSE A HOME . . . because there are many important details that contribute to customer satisfaction. Take the fireplace for example. When you specify a Donley Fireplace Damper, you are assured of efficient draft control, guaranteed corrosion resistance, ease of operation and long service life.

Builders like the easy-to-install features of the Donley Fireplace Damper . . . turned-up front flange makes it simple to locate forward of the flue and well above the fireplace opening for successful operation . . . damper can be butted right up to the facing material.

The Donley Fireplace Damper is available with either tapered or square ends to meet the requirements of conventional and contemporary fireplaces.

For complete details write for Donley's new 80-page illustrated "Book of Successful Fireplaces" . . . cost 75 cents.

THE *Donley* BROTHERS COMPANY

13910 Miles Avenue • Cleveland 5, Ohio

THE DONLEY BROTHERS COMPANY  
13910 Miles Avenue • Cleveland 5, Ohio

Gentlemen: Enclosed find 75 cents for "Book of Successful Fireplaces".



Name \_\_\_\_\_

Street \_\_\_\_\_

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



# BEST WAY TO "STEP UP" SALES Quality Hardware



700 SERIES



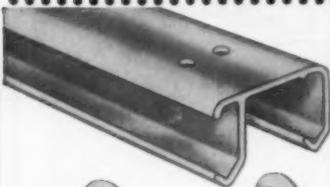
500 SERIES



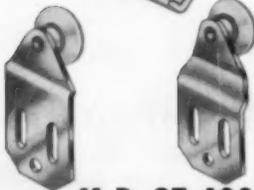
400 SERIES

## M-D MAIL BOXES

Anodized Aluminum mail boxes in 3 distinctive styles. Choice of 6 gorgeous color combinations. Never rust, tarnish or need polishing. FREE engraved name plate available with every box.



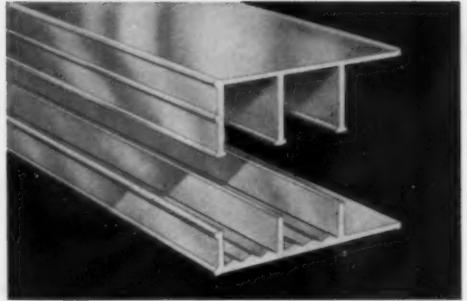
On  $\frac{3}{4}$ " doors, hanger RV-1 with deep offset is used on front panel.



On  $1\frac{1}{4}$ " doors, hanger RV-1 with the deep offset goes on back panel.

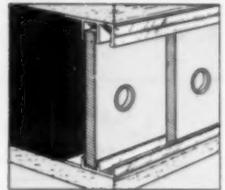
## M-D OT-400 REVERSIBLE SLIDING DOOR HARDWARE

Saves time! Cuts installation costs! OT-400 hangers are used on either  $\frac{3}{4}$ " or  $1\frac{1}{4}$ " doors just by reversing their positions. Sturdy extruded aluminum track with built-in no-jump feature. Cadmium steel hangers with silent nylon wheels. Tubular packaged sets for 3, 4, 5, 6, and 8 Ft. lengths.



## M-D Aluma-Slide SLIDING DOOR TRACK

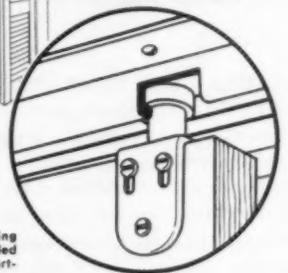
With new improved lower track, panels slide along on smooth ridges—not one flat surface. For any size cabinet. Any panel material. Comes in decorative Alacrome, Anodized Albras, Anodized Albright or Anodized Satin. Compactly packaged sets. Holes drilled—screws furnished.



Sets available for  $\frac{1}{8}$ ",  $\frac{1}{4}$ ",  $\frac{3}{8}$ ",  $\frac{1}{2}$ " or  $\frac{3}{4}$ " sliding panels of glass, plywood, masonite, etc.



## M-D FOLDING DOOR HARDWARE



### OPERATES SMOOTHLY

Silent nylon bearing gliding in top quality extruded aluminum track assures effortless, trouble-free operation.

Here's hardware that can't be matched for ease-of-operation, ease-of-installation! M-D Folding Door Hardware can be used on any interior door, on any thickness, for every opening! Gives full access to closets, yet saves valuable wall and floor space.



**BUILDERS** Sold by Leading Hardware, Lumber and Building Supply Dealers.

**DEALERS** ORDER TODAY your order will receive prompt shipment.

...*"STEP OUT"* WITH THE BEST!

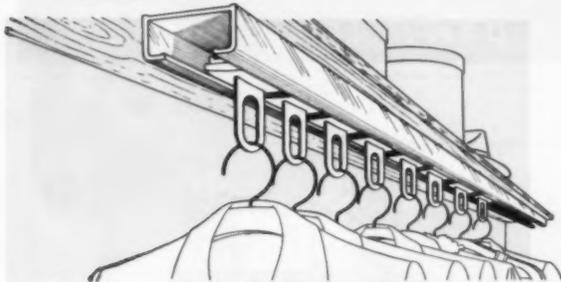
# and Building Products



## M-D CLOSET RODS

with Nylon Hanger-Glides  
for wall-to-wall mounting—Style No. EXC

Handy M-D Nylon Hanger-Glides slide along the sturdy, extruded aluminum rod silently and smoothly—with just the flick of a finger. It means no more tugging and pulling for clothes. Neater closets. Come in 4 different, beautiful, anodized finishes. Each package contains closet rod, hanger-glides, end brackets, screws and instructions.



## M-D CLOSET RODS

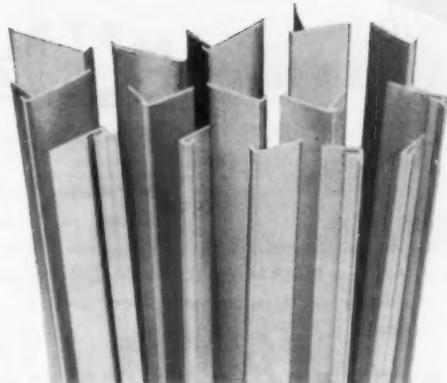
with Nylon Hanger-Glides  
Shelf-Mounted. Style No. CRM

Sturdy extruded aluminum is easily mounted under shelf. Comes in 4 attractive, anodized finishes. Smooth sliding Nylon Hanger-Glides are easily slipped into the mounted rod. May also be attached to ceiling for use with shower curtain, or to top of window or cornice for use as a drapery rod. Completely packaged sets in 9 lengths from 36" to 96".



## M-D ALUMINUM LEVELS

Both pro and amateur are attracted to this gleaming, sturdy, extruded aluminum level. It's a high quality, precision tool at a sensible price. Tough, non-breakable Pyrex vials are replaceable. Glossy red interior with silvery satin top and edges enhance its appearance. 10 sizes from 18" to 96". Individually packed in Poly tubing.



## M-D MOULDING AND TRIM

All shapes available in Anodized finish

Wide variety of shapes and sizes for all thicknesses of material. Available in permanent, high quality anodized aluminum finish—also furnished in polished aluminum, brass or stainless steel. Whether anodized or polished, the finish is unsurpassed in quality. Through constant checking and control, M-D produces a satiny anodized finish that is both beautiful and permanent.



Standard weight for use  
between floor joists



Extra heavy built  
for heavy duty

## M-D FOUNDATION & CORNICE VENTS

Here's variety to meet your customers' needs. Die-cast aluminum vents for crawl spaces or cornices . . . in 2 styles for brick or concrete block construction. M-D Louvered Cornice Vents are made of heavy-gauge stamped aluminum with reinforcing ribs for extra rigidity. Also available in Anodized Albras finish. Two sizes—4" x 16" and 8" x 16". Easy and ready to install. Dozens of uses for ventilation in new homes or for remodelling.



No. 416 Louvered Cornice Vent



No. 816 Louvered Cornice Vent

# MACKLANBURG-DUNCAN CO.

Manufacturers of Quality Building Products • Box 1197 • Oklahoma City 1, Okla.



Specify . . .  
**RAILINGS**  
 by . . .

**METAL**  
**Crafters**  
 "Railing Specialists"

when you want the best in design and workmanship—built to fit your job—no cutting, fitting or assembly on the job. Stock Railings and Ornamental Porch Columns also available at once. Ask your REGULAR MATERIAL DEALER for complete information on these nationally known products, or write for catalog.

**METAL CRAFTERS**

P. O. Box 830

Cedar Rapids, Iowa

# TUFF-BOND

**SUPER-STRENGTH ADHESIVES**

Formulated for the Construction Industry

**TUFF-BOND QUIK-SET ADHESIVE** . . . An excellent all purpose **FAST-SETTING ADHESIVE** with neoprene base . . . brush consistency.

\***TUFF-BOND GENERAL PURPOSE** . . . An **ALL PURPOSE** water resistant adhesive that sticks almost anything to anything.

\***TUFF-BOND NO. 2-S** . . . An oyster white **CERAMIC TILE ADHESIVE**.

\***TUFF-BOND NO. 4** . . . A **WALLBOARD AND A DRY WALL ADHESIVE**. An economical adhesive with great strength and excellent aging qualities.

**TUFF-BOND No. 5** . . . A **FIBRE AND ACOUSTICAL TILE ADHESIVE** with strong bonding strength.

**TUFF-BOND NO. 8** . . . A **CONTACT BOND ADHESIVE** for bonding laminates to wood and to metal.

\*Complies with Commercial Standard CS 181-52.

Recommendations for special adhesives made without cost or obligation.

**GOODLOE E. MOORE**

INCORPORATED

**DANVILLE 6, ILLINOIS**



The  
**SAW HORSE BRACKETS**

FEATURED IN LARSON SPECIAL  
 SPRING SALES PROMOTION



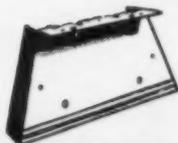
**TWO SIZES**

for 1" x 4" and  
 for 2" x 4" Lumber



No. 1  
 No. 2  
 Saw Horse Set

EACH SET FOR ONE SAW HORSE PACKED  
 COMPLETE IN COLORFUL BOX.



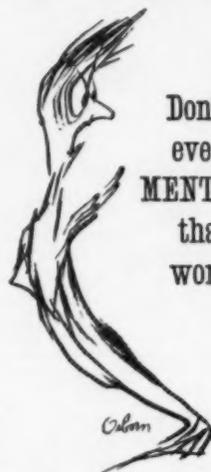
**FLAT TOP  
 STYLE**

for Light or  
 Heavy Lumber



No. 24  
 Bracket Set

**CHAS. O. LARSON CO.**  
 STERLING • ILLINOIS



Don't  
 even  
**MENTION**  
 that  
 word!

"Frightened to death" is no figure of speech where cancer is concerned. Each year thousands of Americans lose their lives needlessly because they were too terrified about cancer to even learn facts which could have saved their lives! Learn how to protect yourself and your family by writing to "Cancer," c/o your local post office.

**American Cancer Society**

The world's most complete line of ventilating louvers . . .

# LoManCo

*147 different sizes and shapes!*

**IN ALUMINUM AND GALVANIZED**



**LoManCo VARI-FITCH and JUMBO VARI-FITCH LOUVERS**

10 models and sizes, 4-12 thru 12-12 pitch. The original patented adjustable triangular louver. In heavy gauge aluminum only.



**LoManCo JUMBO STATIONARY LOUVERS**

15 models . . . in 6, 8 and 10 foot base lengths from 2 1/2" to 6" pitch. Other sizes on request. In heavy gauge aluminum or galvanized.



**LoManCo TWIN-SECTION JUMBO LOUVERS**

9 models . . . in 6, 8 and 10 foot base lengths from 3" to 5" pitch. Other sizes on request. Available in aluminum or galvanized.



**LoManCo MULTI-SECTIONAL LOUVERS**

A new concept in louvers . . . 8 basic sections can make up 25 triangular and odd sized louvers. In aluminum only.



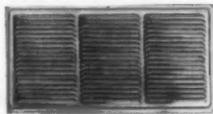
**with more**

*Builder Benefits!*



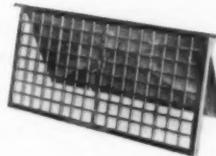
**LoManCo CIRCULAR CORNICE VENTS**

New design in cornice vents . . . eight inches in diameter, 8 x 8 mesh screen installed . . . fast, easy to install. In heavy gauge aluminum only.



**LoManCo RECTANGULAR CORNICE VENTS**

One-piece cornice ventilator with 8 x 8 mesh screen installed. Available in three standard sizes. In heavy gauge aluminum or galvanized.



**LoManCo FOUNDATION VENTILATORS**

Die cast aluminum alloy ventilator grate with optional 8 x 8 mesh screen and shutters with lever for opening and closing. 4 models.



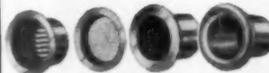
**LoManCo SERIES 100 FLUSH and SERIES 200 RECESSED LOUVERS**

12 models and sizes in both flush series 100 and recessed series 200. Complete with 8 x 8 mesh screen. In aluminum or galvanized.



**LoManCo ROOF-LINE LOUVERS**

3 models and sizes . . . three sides open for more ventilation . . . 8 x 8 mesh screen on the outside. In aluminum or galvanized.



**LoManCo CIRK-L-VENTS**

- Model L-38 louver . . . 3" size.
- Model C-25 open end louver . . . 3" size.
- Model P-18 anti paint peelers . . . 1" size.
- Model D-16 rain drains . . . 1" size.



**Write . . .** for illustrated catalog with specifications on the complete line of aluminum and galvanized LoManCo louvers.

**Louver MANUFACTURING COMPANY**

3609 WOODDALE AVENUE

MINNEAPOLIS, MINNESOTA

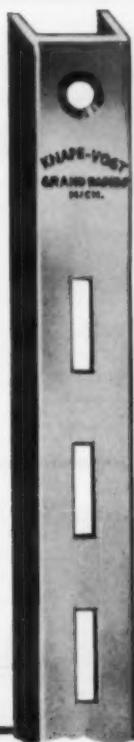


See our ad in Sweets Architectural Catalog File.

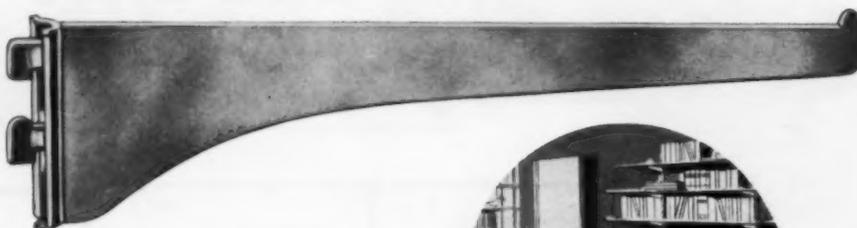
**LoManCo Louvers meet the new FHA revised minimum property requirements.**

# KV shelf hardware gives you more of just what you're looking for!

*★ Top Quality ★ Easy Installation ★ Trouble-free Performance  
...and the best known line in the business!*



Easily installed, easily adjusted K-V shelf hardware provides attractive, low-cost decorative effects or storage facilities wherever they are needed. May be used for both open wall or built-in shelving. K-V adjustable hardware lasts the lifetime of the home, always keeps shelves straight, strong and sag-free. Ask your K-V representative for the complete story.



**FOR OPEN WALL SHELVES**

**No. 80 Standard**  
18" to 144" lengths  
**No. 100 Bracket**  
4" to 20" lengths  
Satin anachrome or brass finishes.



**No. 255 Standard**  
24" to 144" lengths  
Nickel, bright zinc plate or bronze finish

**No. 256 Support**  
Steel, 3/4" long, 3/4" wide.  
Nickel, zinc or bronze finish

**FOR BUILT-IN SHELVES**

Can be mounted flush or on surface. Standards have 1/2" adjustment slots numbered for quick, easy alignment.



**No. 187 Bracket**  
12" to 24" lengths  
Satin anachrome finish

**No. 87 Standard**  
36" to 144" lengths  
Satin anachrome finish

**FOR EXTRA-HEAVY DUTY**

Ideal for hardware, paint or grocery store display or storage or for hangrod installations. For home use, too.

Ask your jobber or K-V sales representative about the popular packed units of K-V 80-180 standards and brackets and K-V 233-239 standards and supports.

**KNAPE & VOGT MANUFACTURING COMPANY** Grand Rapids, Michigan

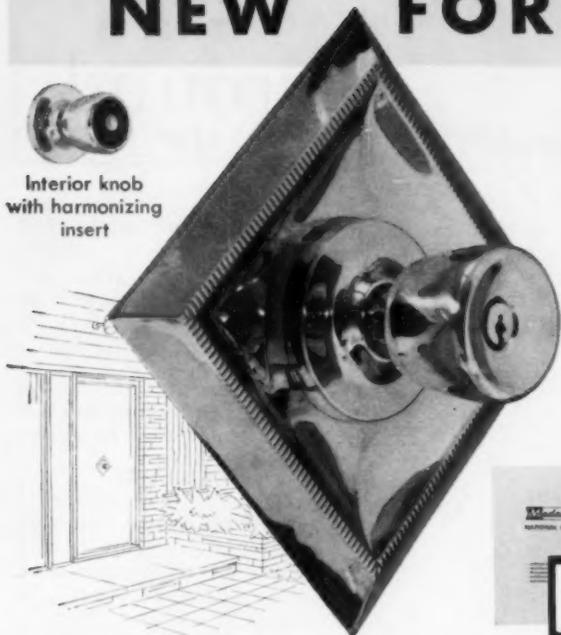
Manufacturers of drawer slides, sliding and folding door hardware, closet and kitchen fixtures and Handy Hooks for perforated board



# NEW FOR FIFTY-NINE



Interior knob with harmonizing insert



## NATIONAL LOCKset®

introduces brilliant new

# Sonic

knob and escutcheon

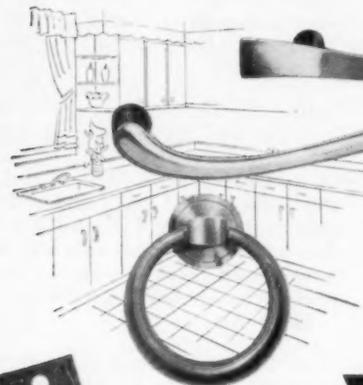
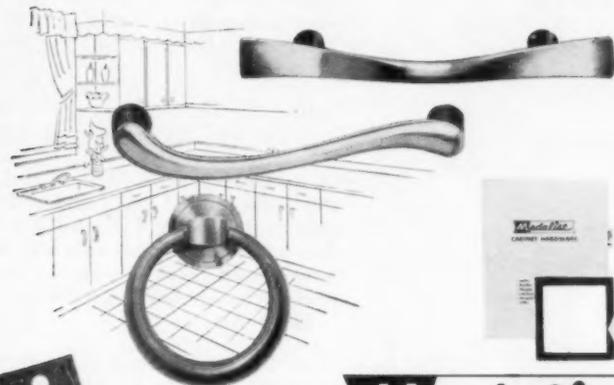
The ultimate in distinctive lockset design. Available in all popular finishes. Inserts in contrasting finishes. Complete selection of decorative escutcheons. Catalog describes all four knob designs, lockset functions, trim and installation tools.

CHECK HERE FOR LOCKSET CATALOG

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cabinet hardware creations

Medalist "period inspired" hardware accents the beauty of kitchen cabinets, furniture and built-ins. Catalog shows knobs, pulls, hinges and catches in Decorator, Capri, Modern, Forged Iron, Provincial and Deluxe lines.



CHECK HERE FOR CABINET HARDWARE CATALOG

## Medalist® ADVERTISING and PROMOTION

helps you merchandise your homes

...material is **FREE**

Send for kit containing sample display cards, hand-out folders, news ads, promotion aids for use in your model homes. Reasonable quantities FREE. Order form included in sample kit.

**MEDALIST HARDWARE DIVISION**  
NATIONAL LOCK COMPANY • ROCKFORD, ILLINOIS



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CHECK BOXES ABOVE AND FILL IN YOUR NAME AND ADDRESS SEND THIS ENTIRE AD TO US TODAY!

PLEASE SEND ME MEDALIST MATERIAL CHECKED ABOVE

NAME..... COMPANY NAME.....  
ADDRESS..... CITY..... STATE.....

**FROM  
THE  
ground  
UP**

*There's more to a product than performance. More indeed than price or packaging or quality. Sometimes a builder must give consideration to factors such as "convenience-on-the-job" in addition to the aforementioned.*

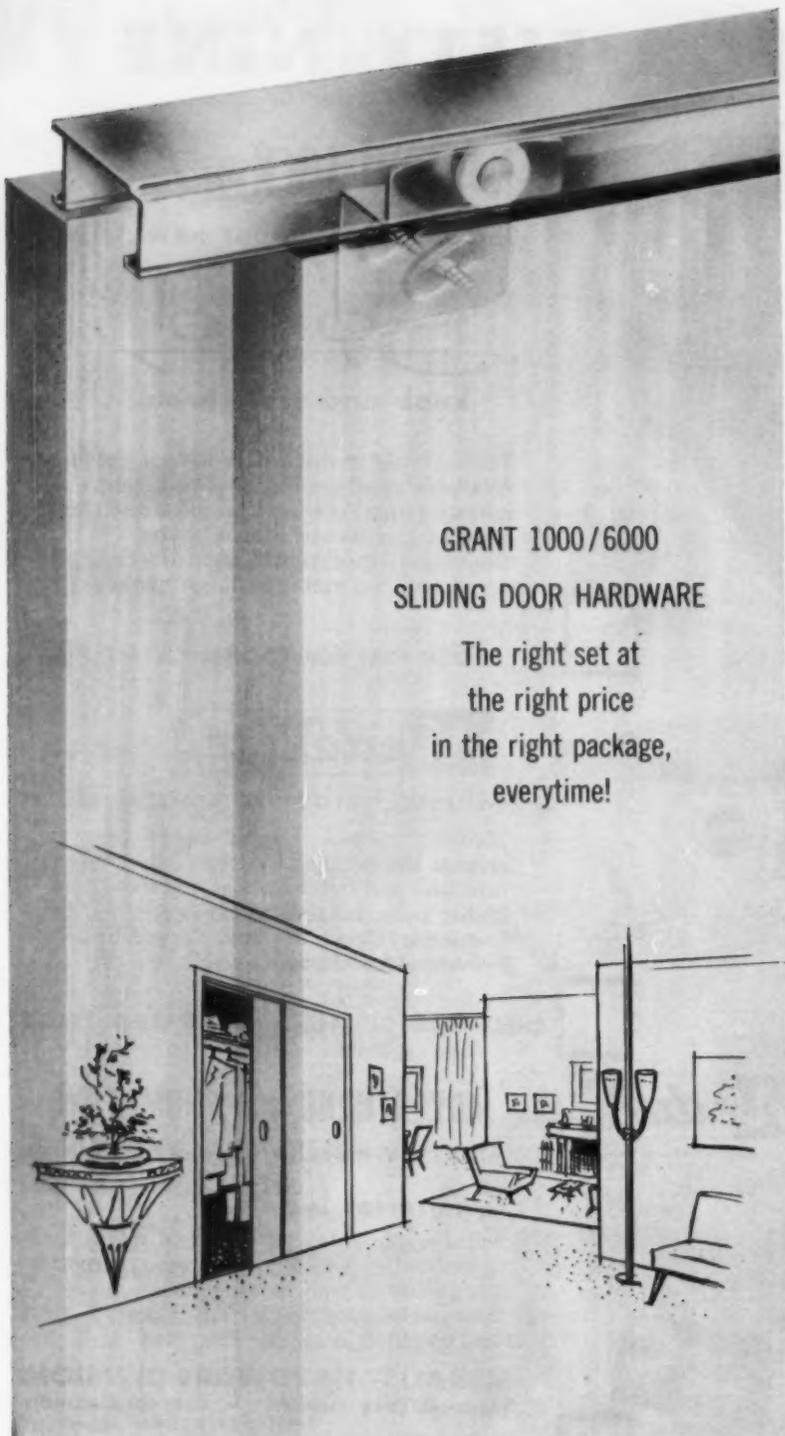
**For a builder's construction costs broach both labor and materials . . . and time is, as the saying goes, money.**

Manufacturers are aware of this. Most recognize full well that their obligation to the builder must go deeper than supplying a product of merit. In fact, must go as far as careful study of job and labor conditions which affect overall costs — or may add appreciable overhead to the basic cost of a specific product.

**Within the Rocket line, the 1040 set, for 1 3/8" bypassing doors has long been the standard for closet and wardrobe doors, while the "reversible" 6032 and 6034 sets — for both 3/4" and 1 3/8" doors are additional sets which have found great acceptance, especially where hardware "stock" is involved.**

The "Rocket Econo-Pak" carton contains 12 sets of 1000/6000 hardware of your choice—packaged with a minimum of "trimmings." Track is packed with hardware. Each set of hardware is packaged in a Mylar envelope. There are no awkward boxes to open, wrappings to break. *Open your "Econo-Pak" and you can immediately start installing 12 sliding door openings.*

*Rocket 1000/6000 can save you money. We'll be pleased to send you more information, upon request.*



**GRANT 1000/6000  
SLIDING DOOR HARDWARE**

The right set at  
the right price  
in the right package,  
everytime!

**GRANT SLIDING HARDWARE**



**GRANT PULLEY AND HARDWARE CORPORATION**

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sliding door hardware • drawer slides • drapery hardware • pocket frames • pulls • special sliding hardware



See the man  
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**WESLOCK**

He knows good products . . . knows your problems, too. And knows the advantages of Weslock Locksets and Matching Cabinet hardware in . . . Style • Price • Quality • Service • Completeness • Availability • Accessibility . . . that's why he's "The Man Who Sells Weslock"

His constant aim is to serve you and your customers. He has the know-how, the products, and is ready, willing and able to help produce more profitable sales for you. You'll profit when you "See The Man Who Sells Weslock"

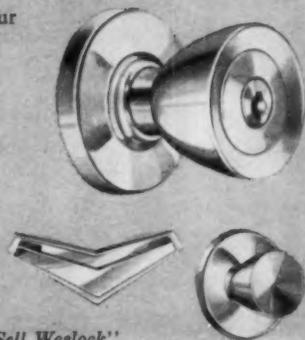
*For the name and address of your nearest "Man Who Sells Weslock" write, wire or phone*

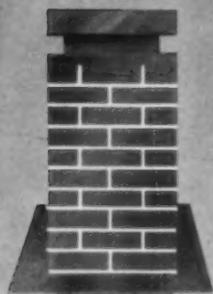
**WESLOCK®**

**WESTERN LOCK MANUFACTURING CO.**

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*One of a series of advertisements in leading trade publications dedicated to "The Men Who Sell Weslock".*





# The NEW METALBESTOS CHIMNEY

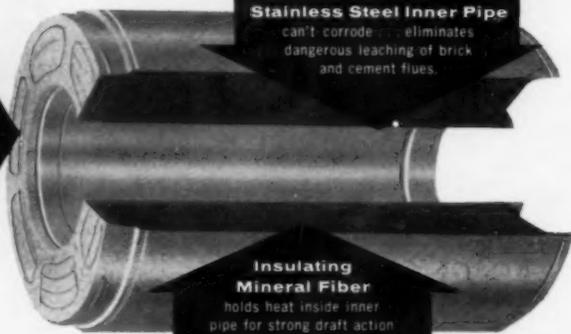
## is the FIRST truly ALL-FUEL CHIMNEY...

The Metalbestos Chimney is designed for use with every fuel... efficiently removes all combustion products released by oil, gas, coal, wood and domestic incinerators.

**Galvanized Steel Outer Pipe**  
gives extra protection against external corrosion or damage.

**Stainless Steel Inner Pipe**  
can't corrode... eliminates dangerous leaching of brick and cement flues.

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holds heat inside inner pipe for strong draft action without condensation.



Light-Weight Insulation Means Fast, One-Man Installation



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Choice of Four Attractive Tops

**SEND TODAY FOR COMPLETE INFORMATION ON THE NEW METALBESTOS CHIMNEY... modern, economical answer to the complete removal of all combustion products. Write Dept. L-4**

Stocked by principal distributors in major cities. Factory warehouses in Akron, Atlanta, Chicago, Dallas, Des Moines, Los Angeles, New Orleans, Woodbridge, N. J.

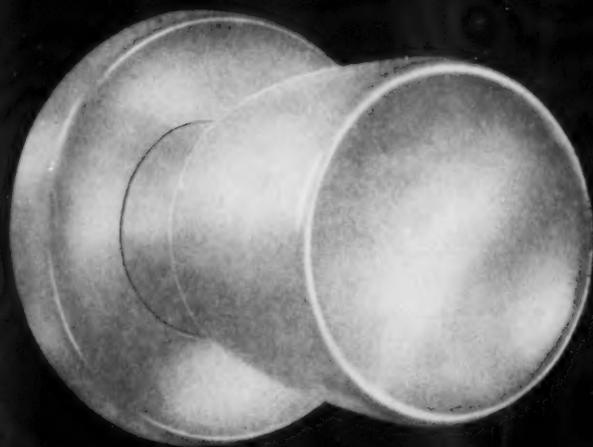


**METALBESTOS** DIVISION  
WILLIAM WALLACE COMPANY · BELMONT, CALIF.

# Gold Aluminum

A NEW FINISH FOR LOCK TRIM . . .

28G

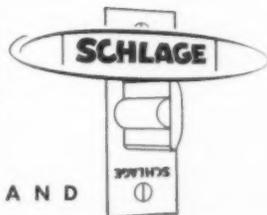


FULLY TESTED FOR MORE THAN 15 YEARS

- Permanent Finish
- Fade-proof
- Highly resistant to abrasion
- Non-tarnishing
- Non-corrosive

SCHLAGE's gold anodized aluminum is an entirely new finish for lock trim. The beauty of the gold finish adds richness to your entrances and interior doors; it will last on and on, unaffected by corrosion or salt air.

Tested and proved for over 15 years, this gold aluminum needs no lacquer; it is a permanent finish that penetrates deep into the metal and will not wear off. Order Gold Aluminum 28G to add richness to your contemporary homes. See your jobber or Schlage representative or write P.O. Box 3324, San Francisco 19. Schlage Lock Company . . . San Francisco . . . New York . . . Vancouver, B.C.



AMERICA'S MOST DISTINGUISHED LOCK BRAND

**2** great divisions!  
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## Building Products



Circulator Fireplaces

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"Char-Grill" Barbecue Grilles



Underground Receivers



Smokeless - Odorless Incinerators



Indoor Refuse Burners



Barbecue Units for "Building In"



Cleanout Doors, Basket Grates, Ash Dumps, Grilles, Fans and other fireplace components



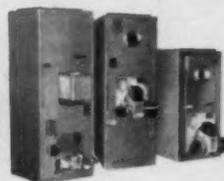
## Heating and Air Conditioning



Electric Furnaces (Supreme Series)



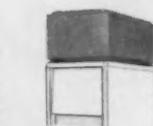
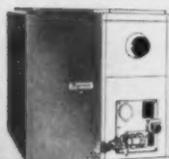
Gas or Oil Furnaces (Imperial Series)



Gas or Oil Furnaces (Deluxe Series)



Gas Furnaces (Supreme Series)



Matched and Add-On Air Conditioners



Majestic Thulman All-Metal Fireplaces and Chimneys

*Supplying today's building needs*

*All by*

# Majestic

As building needs arise, Majestic rises to meet these needs, in warm air heating and air conditioning and miscellaneous building products, including fireplace components and home incinerators. **NATIONALLY KNOWN FOR QUALITY since 1907.**

The **Majestic** Co., Inc.  
 300D Erie St., Huntington, Ind.

# Grow with the growth of **ALUMINUM**

THE PRESTIGE METAL THAT BUILDS  
GOOD WILL AND SALES



**nichols**  
**NEVER-STAIN**  
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ALUMINUM — the prestige metal of the building industry offers you  
the opportunity to profit from its increased public acceptance.

ALUMINUM — today's hallmark of quality construction is looked for and  
expected by prospective home buyers everywhere.

Ask your dealer now about NICHOLS "NEVER-STAIN" ALUMINUM BUILDING  
PRODUCTS or write direct for descriptive literature.

**nichols** WIRE & ALUMINUM CO., Davenport, Iowa  
*World's Largest Manufacturer of Aluminum Nails*

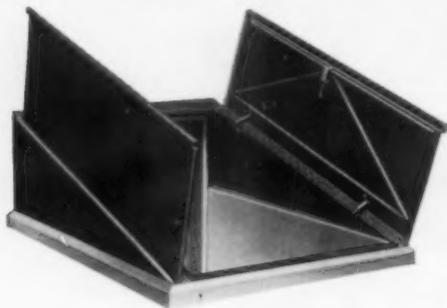
# HEATILATOR PRODUCTS...

FOR MORE SALES APPEAL, MORE QUALITY IN YOUR HOMES

## HEATILATOR SERVICE-WAY

### The Reinforced Basement Entry

The modern all-steel Service-way provides direct access from the basement to outdoors... simplifies dozens of household tasks. Makes basement space easily available for storage or recreation.



### MODEL "D" DUAL DOORS

Smooth, effortless operation is achieved through concealed torsion bar counterbalancing. Rain, snow and cold are sealed out by tight interlocking door and frame flanges. Anti-closing safety catches on doors are easily released by touch of toe. Extra strength and long life assured by reinforced heavy gauge steel... prevents buckling. Shipped knocked down for fast assembly and installation. Sold in two sizes.



### MODEL "S" SINGLE DOOR

Provides a wide, unobstructed opening, with plenty of clearance for bulky, hard-to-handle items. Convenient finger-tip operation controls door, specially counter-balanced by double-action coil springs. Accidental closing is prevented by a quick release safety rod. Completely weathertight due to overlapping flanges on door and frame. Surprisingly light in weight, the heavy gauge reinforced steel door will never buckle. Shipped assembled for fast, easy installation.

**HEATILATOR DIVISION**  
Vega Industries, Inc.

414 East Brighton Ave., Syracuse 5, New York



## HEATILATOR FIREPLACE UNIT

### America's Leading Fireplace Unit

For over 30 years the Heatilator fireplace has been the first choice of homeowners, builders and masons everywhere. It's the one heat-circulating fireplace unit proved successful in homes and camps all over America.

- **SCIENTIFIC DESIGN** • The built-in firebox, damper, downdraft shelf and smoke dome are correctly designed and proportioned in accordance with proved fireplace principles... to assure smokeless, trouble-free operation.
- **MAXIMUM HEAT CIRCULATION** • Circulating air reaches highest temperature in the double-walled firebox surrounding the fire. No tubes or fins to hinder air flow and reduce heating efficiency.
- **PRESSURE-SEAL DAMPER** • Exclusive damper design prevents loss of heat or summer air-conditioning when fireplace is not in use.
- **ONE-PIECE FIREBOX** • Formed of a single piece of heavy  $\frac{3}{16}$ " boiler-plate steel for maximum strength. Eliminates welded seams across back or in lower corners. No special ribs or reinforcing required.
- **AVAILABLE IN MANY SIZES** • For fireplaces with openings from 28" to 60" in width, and fuel capacities up to 48".

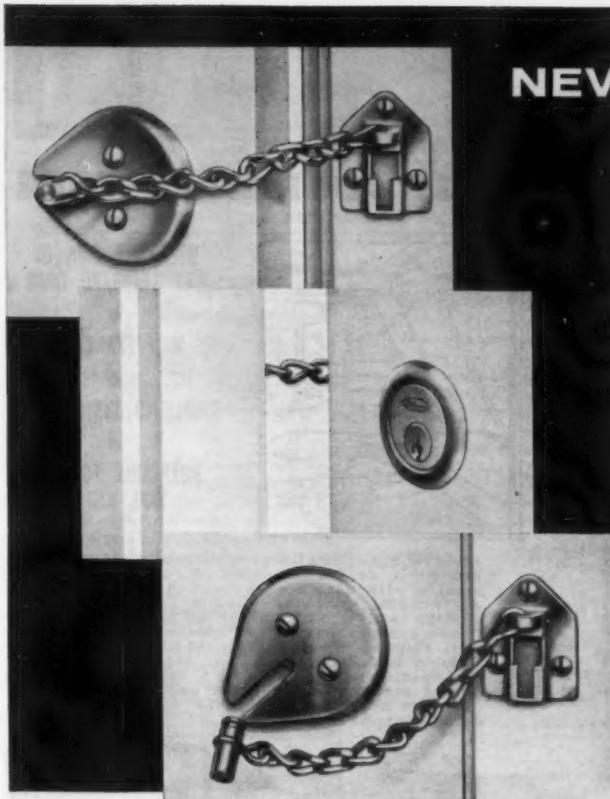


### HEATILATOR UNIVERSAL DAMPER

The practical damper for open-sided fireplaces. The Universal Damper incorporates both smoke dome and damper in one compact unit. Scientifically designed for smoke-free operation.

Sloping sides permit back-up course of masonry above damper for safety. Reinforced flange serves as lintel. Positive chain pull control holds damper blade firmly in any position. Available in five sizes.

SEE your building materials dealer or write for information.



**NEW**

## **DORGUARD**

- ▶ **SECURITY:** Permits identification before admission
- ▶ **CONVENIENCE:** Allows entrance by key from outside

Lockwood's DORGUARD provides a new feeling of security for the whole family. Ideal where small children may rush to answer the door bell . . . for elderly folk . . . or for the lady, home alone. DORGUARD permits identification of a visitor with complete security. Chain cannot be removed from outside without key, but can be easily removed by the occupant.

AND what convenience! Members of the family can enter at any time—a turn of the key releases the chain. Easy to install, too—just one hole required.

- ▶ DORGUARD can be furnished keyed alike with Lockwood residential locksets at no extra charge.

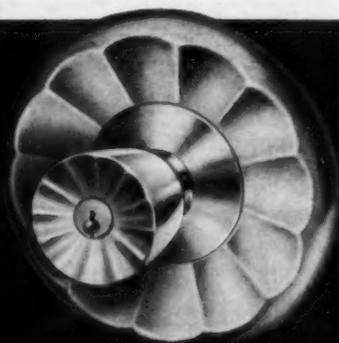
*New  
Visual Appeal*

**to help you sell more  
houses — the 2 BIG HITS  
of the NAHB Show  
in Chicago.**

**The new design for '59**

# **Jamaica**

Here's new beauty for every door in the house . . . new saleability for every house. Glamorous new JAMAICA Design, a Lockwood exclusive, adds a sparkling touch of beauty to the finest lockset in the low-cost residential field—Lockwood's famous 'R' Series.



**JAMAICA Design**  
(shown with matching trim plate)

GET THE FULL STORY ON DORGUARD AND JAMAICA FROM YOUR DEALER, OR WRITE DIRECT.

# **LOCKWOOD**

LOCKWOOD HARDWARE MANUFACTURING COMPANY, FITCHBURG, MASS.

# ALLITH-PROUTY, INC.

Manufacturers of Hardware  
for All Types of Rolling Doors  
DANVILLE, ILLINOIS

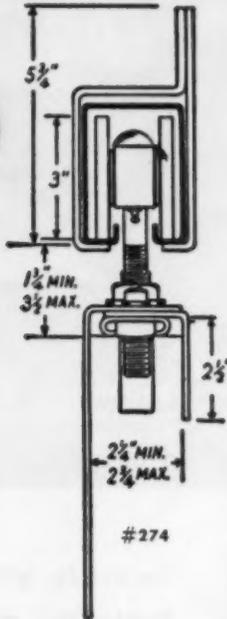
## PRODUCTS

ACCORDION DOOR HARDWARE  
AIRPORT DOOR HARDWARE  
BARN DOOR HARDWARE  
FIRE DOOR HARDWARE  
(Underwriters)  
ROUND HOUSE DOOR HARDWARE  
VERTICAL SLIDE DOOR  
HARDWARE

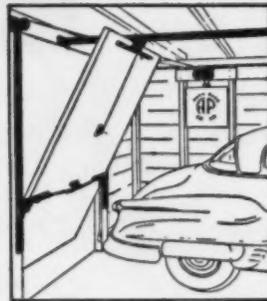
HEAVY TYPE DOOR HINGES  
OVERHEAD CARRIERS  
GARAGE DOOR HARDWARE  
Folding-Sliding  
Overhead Type  
Round-the-Corner  
Straight Sliding  
STADIUM SEAT BRACKETS



**Allith Hangers**  
for Box or Trolley.  
Tracks in all necessary sizes.

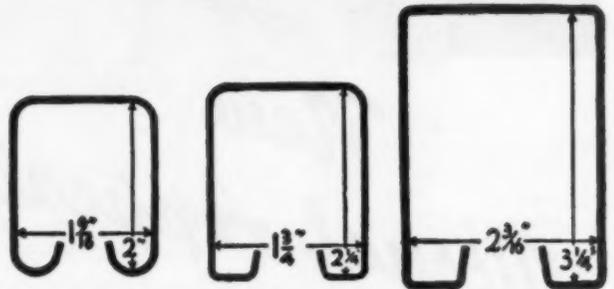


# 50-50 PUSHOVER ALLITH GARAGE DOOR HARDWARE



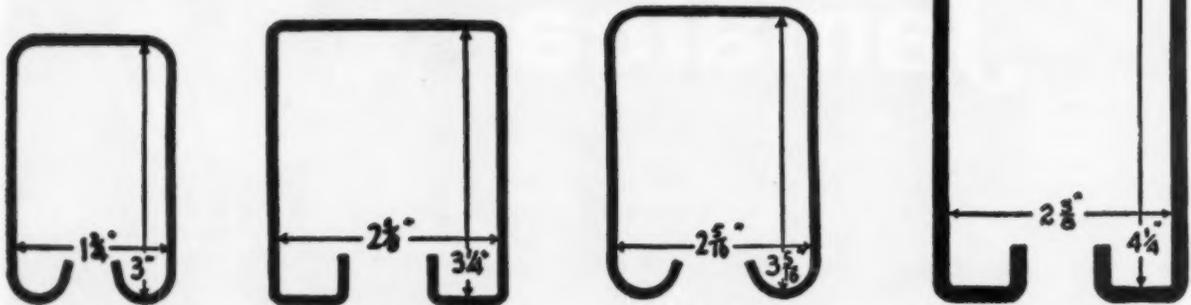
- USE YOUR OWN OR ANY STANDARD DOOR
- 
- NO MAINTENANCE COSTS
- 
- SIMPLIFIED INSTALLATION
- 
- ADAPTABLE FOR ANY TYPE GARAGE

ALLITH HARDWARE permits you to use standard stock, or special doors if desired, to harmonize with design of accompanying building. All working parts are simple and sturdy—no springs to stretch or loosen. All hardware parts inside and protected from weather. Unit shipped complete down to the last screw. Quickly and easily installed. Standard set fits any opening up to 9' wide x 7'6" high when doors do not exceed 275 lbs. Other sets available for openings up to 10' wide x 10' high. Complete details furnished on request.



**Allith Track**  
No. 60-X 16 gauge No. 240-X 16 gauge No. 270-X 14 gauge  
No. 62-X 14 gauge No. 242-X 14 gauge

Brackets available for any of these tracks to meet any condition. Track sections shown half size.



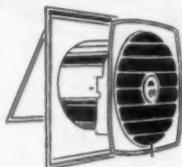
**Allith Track**  
No. 71-X 14 gauge  
**Allith Track**  
No. 280-X 13 gauge  
No. 288-X 10 gauge  
**Allith Track**  
No. 67-X 13 gauge  
No. 68-X 10 gauge  
**Allith Track**  
No. 290-X 10 gauge

# ALLITH-PROUTY, INC. DANVILLE, ILLINOIS

# APPLIANCES

## Check Page of Appliance Extras

Not all the units shown here are termed "appliances". In the opinion of our editors they are, however, "appliance extras"...units which are fast becoming standard equipment in new houses. Since they often tip the scales in favor of a house's saleability, we suggest: check this page before planning your next model house.



**EXHAUST FANS:** Available for vertical or horizontal discharge of air from kitchen. Can be installed in ceiling; through wall; in cabinet. For vertical discharge of air from bathroom, units are available without extras; with light; with heat; with heat and light, and with infra-red sun lamp. Most kitchen units come in two sizes: with an 8" blade and with a 10" blade, and fit into openings 9" and 11", respectively. Bathroom fans available in 10"-14" diameters, approximately.

**INCINERATORS:** Average dimensions for incinerators—18" wide, 36" high, 24" deep. Both gas and electric models are available. Most new gas models are double-burning, resulting in "smokeless-odorless" operation. Both types require a Class A flue. Nearly all types are sold with a one-year warranty. Check local codes for rules on installation.

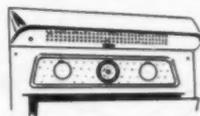


**FOOD CENTERS:** Installs so that power unit is below surface of counter. Connects to 115-volt AC outlet. Generally has six speeds. Is sold with or without its attachments, which include a mixer, blender, fruit juicer, knife sharpener, and meat grinder.

**GARBAGE DISPOSERS:** Are from 12" to 15" in length. Most operate with 1/3 HP, although 1/2 HP residential units are available. Need 115 volt 60 cycle outlet. Most disposers have a one- or more-year warranty. Average net weight is 25 lbs. Nearly all units are continuous feed types, and many have a safety mechanism to prevent jamming. Budget and deluxe models available.

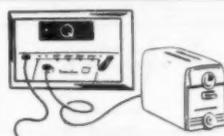


**BUILT-IN VACUUM SYSTEM:** Canister and power units are generally installed in basement, garage, closet or utility room. Ducts run under floors, between studs. Three to five outlets are sufficient for the average home. Units vary from 2/3 HP to 1 1/2 HP. Operates on 115 Volt, 60 Cycle current.

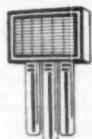


**RANGE AND OVEN HOODS:** Available with and without exhaust fans, light. Also available from some manufacturers with built-in radio-intercom, and range controls. Units produced for use over range tops, free-standing ranges set against wall, and for range tops built-in to counter island. Oven hood generally made in 24", 27" and 32" lengths. Range hoods made in lengths from 24" to 48".

**BARBECUE GRILLES:** Are built for both indoor and outdoor use. Units in sizes calling for rough openings of from 22" to 36" long; from 17" to 22" wide and approximately 11" deep. Some are made with electric rotisserie, hood, timer and storage drawer, or any combination of these. Often installed with gas jet to start charcoal.

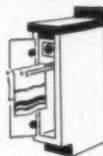


**APPLIANCE CENTER:** Generally installed on wall over kitchen counter. Fitted with circuit breakers, clock and automatic timer. Has pull-out plugs and sockets. Range from 30 to 45 amp service.



**DOOR CHIMES:** Available in a variety of styles and sizes from about 4" x 7" to 8" x 15". Can have two notes for front door, one note for back door, up to eight chords for front door, four chords for back door, and a number of combinations of these arrangements.

**TOWEL DRYERS:** Designed for use in kitchen, unit is cabinet with heater and fan built-in—9" to 15" widths. Also available: a bathroom towel rack with heating unit built-in to bars: 28" x 14".



**BUILT-IN SCALES:** Fits into bathroom wall recess. Housing for unit is roughly 14" x 23", with outside dimensions, 16" x 25". Lowers to floor on spring.

**INTERCOM SYSTEMS:** Most popular units have radio (some are transistor type), inter-communication system for each room in the house and for front door. Other models have clock with alarm and timing devices, 115 volt 60 cycle outlets, and phonograph jacks. Average outside panel size is 9" x 11".



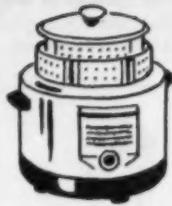
NOTE: For information on manufacturers of any product described here, check the yellow pages or write to Buyers Guide Editor, American Builder, 30 Church Street, New York 7, New York.

# APPLIANCES

## Dimensions of Small Appliances



**BLENDER**  
(6"-8") x 8" x (14"-16")



**DEEP FRY**  
(8"-11") x (7"-11") x (9"-13")



**COFFEE POT**  
(9"-13") x 14" x 9"



**IRON**  
(8"-10") x 4" x (4"-5")



**PRESSURE COOKER**  
(9"-10½") x (15"-16")



**WAFFLE IRON**  
(11"-14") x (11"-14") x (3"-4")



**ROASTER OVEN**  
(12"-13") x (14"-18") x (21"-24")



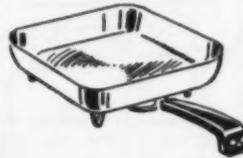
**CORN POPPER**  
9" x 14" x 9"



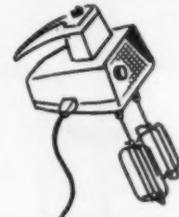
**GRILL**  
(9"-10") x (15"-18") x (2"-5")



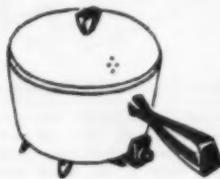
**TOASTER**  
10" x 7" x 6"



**FRY PAN**  
12" x 12" x (4"-5")



**HAND MIXER**  
6" x 5" x (2"-3")



**SAUCEPAN**  
(8"-14") x (8"-10")



**ROTISSERIE**  
(22"-24") x (14"-16") x (14" x 18")



**COFFEE BREWER**  
6" x 9" x (10"-12")



**MIXER**  
(7"-8") x (12"-14") x 14"



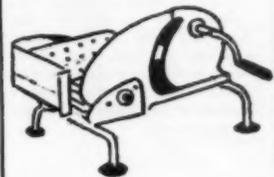
**ICE CHOPPER**  
8" x 4" x 10"



**KNIFE SHARPENER**  
6" x 3" x 3"



**ICE CREAM FREEZER**  
(8"-12") x (8"-12") x (12"-19")

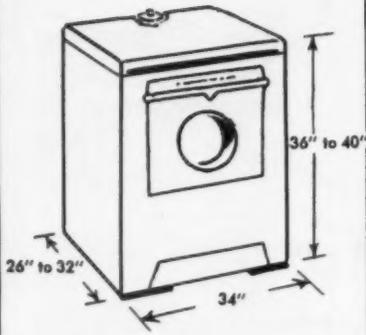


**SLICER**  
13" x 10" x 10"

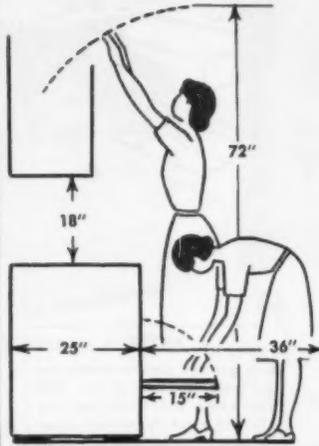
# APPLIANCES

## Laundry Planning Standards

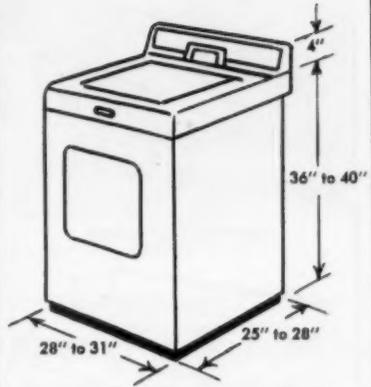
**WASHER**



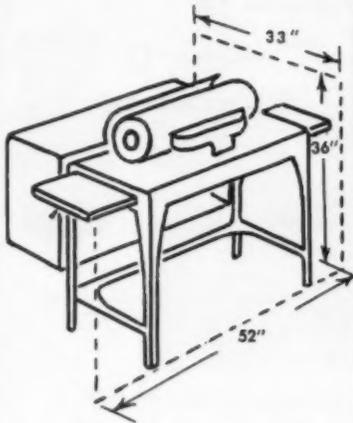
**Minimum work space for washer and dryer.**



**DRYER**



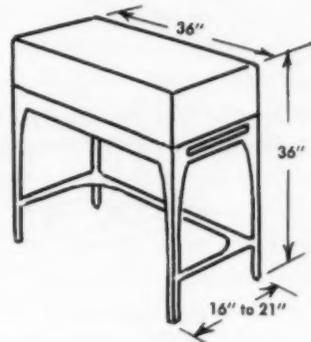
**IRONER OPEN**



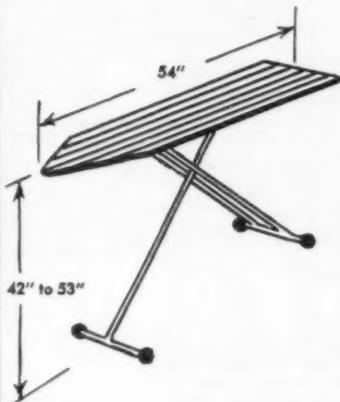
**Minimum work space for ironer.**



**IRONER CLOSED**



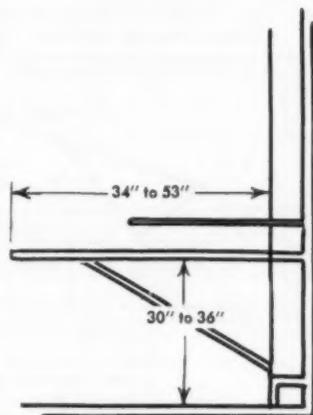
**IRONING BOARD**



**Minimum work space for ironing board.**



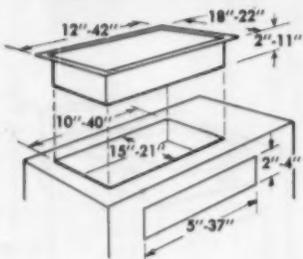
**BUILT-IN IRONING BOARD**



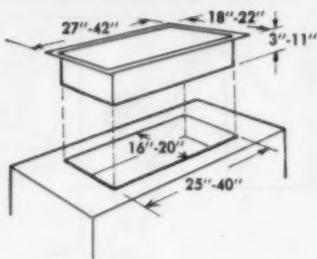
# APPLIANCES

## Planning for Kitchen Built-ins

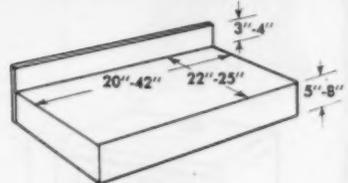
**DROP-IN RANGE (FRONT VENT)**



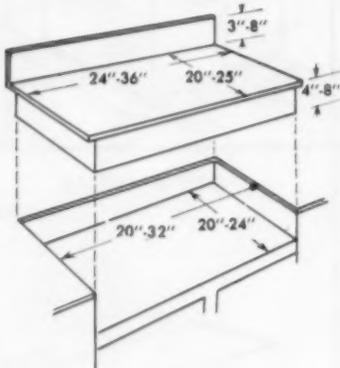
**DROP-IN RANGE (NO VENT)**



**STACK-ON RANGE**



**COUNTER-TOP RANGE**

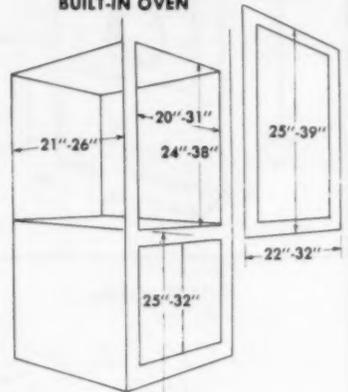


**NOTE**

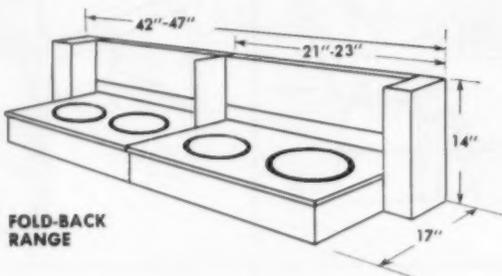
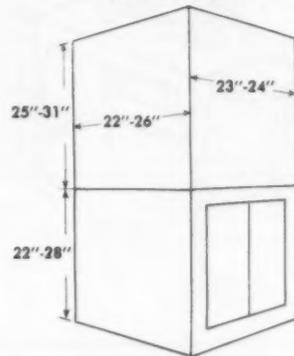
Both gas and electric models are available for each of the units shown here. Check with your supplier for exact dimensions. Oven measurements here only include single door integral broiler types. Double door (with separate broiler) and double oven types are also available.

For a list of manufacturers, check the yellow pages of this directory or write to the Buyers Guide Editor, American Builder, 30 Church St., New York 7, N. Y.

**BUILT-IN OVEN**



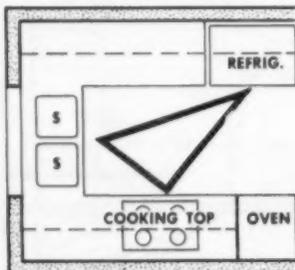
**STACK-ON OVEN**



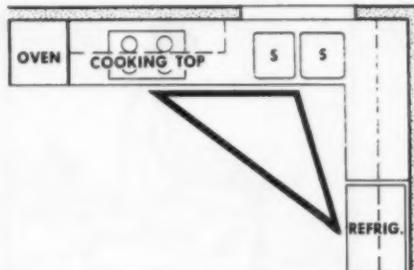
**FOLD-BACK RANGE**

### THREE BASIC KITCHEN PLANS

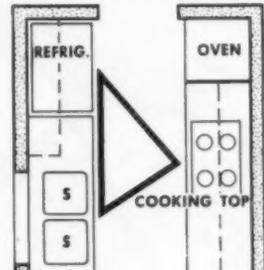
**THE U-SHAPED KITCHEN**



**THE L-SHAPED KITCHEN**



**THE CORRIDOR KITCHEN**



**NOTE**

Before planning your kitchen, divide the space into three general work centers: cooking and serving; food storage and preparation, and clean up. Ideally, these areas should be located at the points of a triangle.

The distance between each point of the triangle should be as small as possible, and at the same time allow enough space to move easily from point to point. There should also be adequate work surfaces and storage space at each center.

FOR TODAY'S KITCHEN...HERE ARE TODAY'S  
**newest appliances**



**3** Refrigerator-freezers



**2** Dishwashers



**1** Built-in ovens and surface units



**4** Disposers



**5** Wall and base cabinets

**6** Combination range-sink tops



RCA WHIRLPOOL... America's first family of home appliances  
 Products of WHIRLPOOL CORPORATION St. Joseph, Michigan

Use of trademarks  and RCA authorized by trademark owner Radio Corporation of America

**EVERYTHING FOR MODERN  
 GAS OR ELECTRIC KITCHENS  
 WITH ONE BRAND NAME**



**(1)** Built-in gas or electric ovens and surface units with unsurpassed, automatic cooking conveniences; **(2)** Undercounter or portable dishwashers with exclusive Filter-Stream\* system; **(3)** Gas or electric refrigerator-freezers with exclusive automatic ice maker; **(4)** Disposers with safety control top and built-in reversing switch; **(5)** Select-A-Door\* wall and base cabinets; **(6)** One-piece combination sink-range tops with choice of undercounter cabinets and/or appliances . . . plus automatic washers, gas or electric dryers, gas or electric washer-dryers, and air conditioners. You get fast, efficient one-source service for any type kitchen installation in addition to expert planning and merchandising assistance that help you sell homes faster!

\*Tmks.

**MAIL COUPON FOR FULL DETAILS**

Kitchen Sales Division  
 Whirlpool Corporation, St. Joseph, Michigan  
 Please send me complete information on RCA WHIRLPOOL  
 appliances and merchandising aids.

Name \_\_\_\_\_ Title \_\_\_\_\_

Firm Name \_\_\_\_\_

Firm Address \_\_\_\_\_

City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_  
 AB-4

**For the package deal at a package price... It's RCA WHIRLPOOL!**



**SHE knows MAGIC CHEF**  
*she knows MAGIC CHEF is the quality range*

This young woman is about to share in one of life's major decisions—the purchase of a new home. Familiar brand names will, of course, influence this decision.

And Magic Chef is a name she *knows* . . . and *trusts*. For that matter, she grew up with the name Magic Chef. In her family's home,

at school, too, and as a young homemaker she has learned to trust Magic Chef quality.

Now that she is a prospective home buyer, Magic Chef will help sell her on your homes . . . in fact, will even serve as an index to the quality of the homes you build. For full details about Magic Chef built-in quality contact . . .



Cleveland, Tennessee

*More Women Cook on Magic Chef than on any other range.*

"My best Kitchen sales appeal  
is a built-in  
KitchenAid  
dishwasher"



There is no quicker way to arouse buying interest than to include a KitchenAid dishwasher in original kitchen plans.

KitchenAid has many superior features made familiar to millions of prospective home buyers through continuous KitchenAid national advertising. They know about the exclusive Hobart revolving power-wash action, exclusive flowing hot-air drying, effective wash capacity, loading convenience, and foolproof dual-strainer system. All these mean dishes *washed cleaner and dried brighter*. KitchenAid also means houses that sell faster.

KitchenAid is designed for installation ease. Special construction permits the unit to slide easily into place over roughed-in plumbing. All connections can be made handily from the front. And here is an important plus for

builders: KitchenAid dishwashers are built to work day in and day out. They seldom, if ever, need service. This means *satisfied customers*—the builder's most powerful force for future sales.

The KitchenAid built-in model offers a choice of front finishes to add beauty and harmony to any kitchen. KitchenAid is the only dishwasher that offers the builder the adjustable-height feature on built-ins.

### Sell KitchenAid quality!

KitchenAid Home Dishwasher Division, Dept. KAB  
The Hobart Manufacturing Co., Troy, Ohio

Please send complete information and specifications on the complete line of KitchenAid dishwashers.

Name.....

Address.....

City.....Zone.....State.....

**KitchenAid®**  
the builders' dishwasher

The finest made...by **Hobart**  
The World's Largest Manufacturer of Food, Kitchen and Dishwashing Machines.

# Universal...the quality built-in now in gas or electric!



## New styling...new versatility...famous for quality for nearly 4 generations

New Universal built-in gas ranges—only Universal offers such a wide choice of customized arrangements . . . 14 new two-burner, four-burner and griddle surface cooking units; five new oven-broiler units. Famous “air-conditioned” oven, smokeproof broiling, “obedient burner” top cooking.

New Universal built-in electric ranges—versatile surface cooking units can be installed for either front or rear control location. Hinged, flip-up “Quick-heat” element design permits easy, fast cleaning of spill-overs. Each element has exclusive “on” indicator. Choose from two double oven, two single oven models.



### Now gas and electric units are interchangeable!

Gas and electric ovens and surface cooking units are fully interchangeable . . . all are drop-in units that fit standard cabinets. Available in your choice of five beautiful decorator colors: canary yellow, petal pink, turquoise green or copper-tone porcelain and satin-finished chrome.



### Universal Built-in Automatic Dishwashers

Exclusive “Jet-Torque” washing action, stainless steel construction, full-capacity compact design. Washes service for eight, yet requires only 18” of cabinet space. Decorator colors.

Advertised in leading national magazines

# UNIVERSAL

**BUILT-IN GAS AND ELECTRIC RANGES**

See your Cribben & Sexton representative or contact Cribben & Sexton Company,  
700 N. Sacramento Blvd., Chicago 12, Illinois. Phone VAn Buren 6-4600



She'll feel like a queen in your new home!

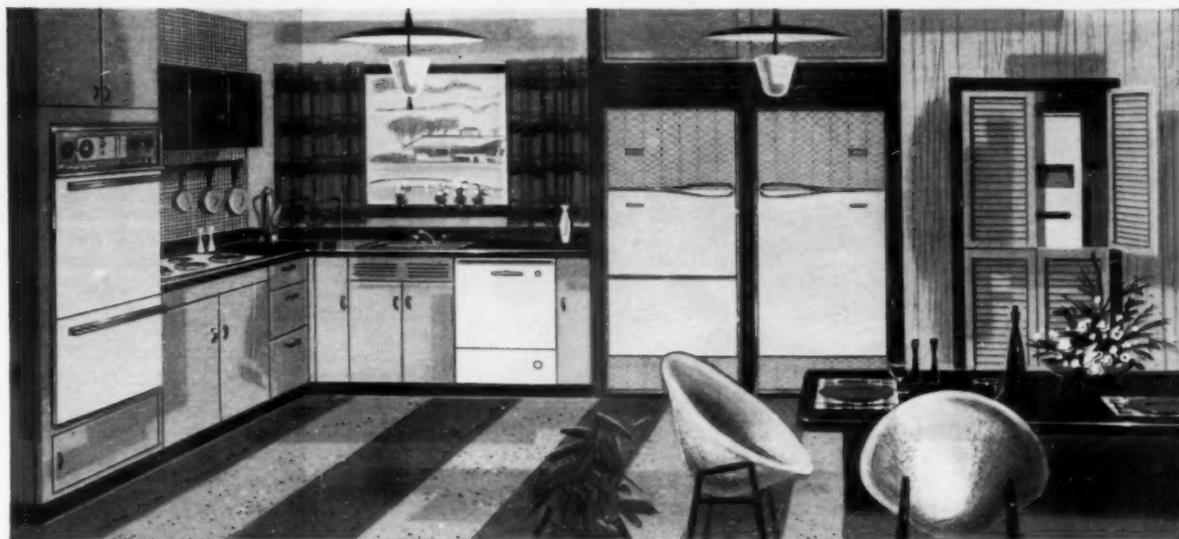
## 4 pages to help you plan right now ... appliances ... dimensions ... ideas!

This 1959 Frigidaire Planning Guide is designed to help you plan four of the most important centers in your home—the *Food Preparation Center*, *Refrigerated Food Center*, *Kitchen Clean-Up Center*, and the *Comfort Conditioning Center*.

This same Planning Guide, with message directed to your home-buying prospects, appears in seven (7) lead-

ing consumer home building annual and semi-annual magazines. It tells them to plan their kitchens with the Frigidaire features they like best. Then the ad suggests they bring their sketch or list to you, and you will help them make their dreams come true. This is another way of directing more "home-buying" prospects to you through our national advertising.

Your built-in kitchen can start with any of these matched cooking, clean-up and storage centers. Full-home comfort, too.



**Food preparation center**



**Kitchen clean-up center**



**Refrigerated food center**



**Comfort conditioning center**

Advanced appliances . . . designed with you in mind. There's a revolution going on in the kitchen! Kitchens of today are less and less just a place to get meals, and more and more a kind of "family room." Frigidaire advanced built-ins and free-standing appliances are designed with this in mind—fit this new concept perfectly with styling, quality and features to keep your kitchen years ahead!

In styling, the slim, clean, unbroken lines really fit any standard wood or steel cabinets. Choose from 5 Kitchen Rainbow Colors: Sunny Yellow, Mayfair Pink, Turquoise, Charcoal Gray, Aztec Copper—plus White and even Satin Chrome on most models.

In performance, the "Drop-Leaf Door" Wall Oven and "Frost-Proof" Refrigerator-Freezer, for example, are Frigidaire exclusives and are the

envy of the neighborhood wherever they're installed.

Cost? Much less than you'd imagine for appliances so fine. Center-at-a-time planning helps bring built-in kitchens within the reach of even modest incomes.

Local service through GM factory-trained Frigidaire dealers is available everywhere and designed, like the appliances, with you in mind.

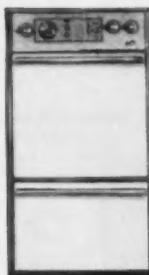
# Food Preparation Centers

with drop-leaf door wall ovens and counter-top or fold-away cooking!



**Um-m-m-m, it's dream cooking at its best** with the new Frigidaire RBZ-99 Custom Imperial Double Oven with Drop-Leaf Doors. So wonderful for everyday cooking and particularly for holiday meal making on a grand scale. Two spacious ovens! Easy to use! Easy to clean! And just a step away is the color-matching Built-In Cooking Top complete with Speed-Heat and Heat-Minder Units. Can be installed in any convenient work counter or top.

## FRIGIDAIRE WALL OVENS



Model RBZ-99

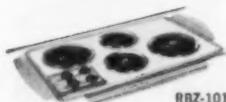
New large capacity double and single oven models  
Exclusive, new Drop-Leaf Door(s) —open for shelf space—all the way down for easiest cleaning  
Exclusive Radiant Wall Spatter-Free Broiler Grill (RBZ-99)  
Meat Tender Control (RBZ-99)  
Optional Automatic Rotisserie (RBZ-94, RBZ-99)  
New, optional glass-door models (RBZ-94, RBZ-99)  
Easy-reach, easy-clean "Eye-Level" Control Panel  
Connected load: Models RBW-90 (5.3 kw); RBZ-93, -94 (3.9 kw); RBZ-99 (7.8 kw)  
French Door Wall Oven (RBW-90) also available in Satin Chrome

Model	Exterior Dimensions—Inches		
	Height	Width	Depth
Custom Imperial †RBZ-99*	44½	23½	23½
Imperial †RBZ-94*	29½	23½	23½
DeLuxe †RBZ-93	29½	23½	23½
Imperial RBW-90	31½	23½	23½
Wall Opening Dimensions—Inches			
Custom Imperial †RBZ-99*	44	21½	23½††
Imperial †RBZ-94*	28½	21½	23½††
DeLuxe †RBZ-93	28½	21½	23½
Imperial RBW-90	29	20½	23½††

\*Specifications also apply to optional glass door models RBZ-99 and RBZ-94 †Choice of 5 colors and Satin Chrome ††For optional Rotisserie, add ¼" on RBZ-99 and RBZ-94; 1" on RBW-90



RBZ-84



RBZ-101

**No stooping or bending over** with this cooking arrangement—everything's at the height of convenience. The RBZ-94 Imperial Oven, shown on right, shares many fine features found in the double-oven model.

Exclusive Fold-Back Surface Units, shown in use, actually fold back out of the way to give more usable counter space. Automatic shut-off; may be folded back when hot.

Built-in Cooking Tops are attractively styled. Available in 5 colors and satin chrome.

## FRIGIDAIRE FOLD-BACK SURFACE UNITS and COOKING TOPS

### Fold-Back Surface Units

Temperature controlled Heat-Minder Unit (RBZ-82, RBZ-84)  
Super fast Speed-Heat Unit (RBZ-82, RBZ-84)

Available in combination Stainless Steel and Satin Chrome finish.  
24" and 48" models

Connected load: Models RBZ-80, -81 (4.1 kw); RBZ-82 (3.9 kw); RBZ-83 (8.1 kw); RBZ-84 (7.9 kw).

Model	Dimensions—Inches	
	Fold-Back Surface Units	
	RBZ-80, 81, 82	RBZ-83, 84
Width—overall	23½	47½
—each fold-back section	20½	20½(2)
—control panel	3½	3½(2)
Height—overall	14½	14½
—units in operating position	4	4
Depth—closed position	5½	5½
—operating position	17½	17½

### Built-in Cooking Tops

One-piece top with raised edges to catch spillovers

Temperature controlled Heat-Minder Unit (RBZ-101)

Super fast Speed-Heat Unit (RBZ-101)  
Can be installed flush or with optional Hudee ring mounting

Budget-priced model in Satin Chrome finish for 24" cabinets also available (RBA-102)

Connected load: Models RBZ-100 (8.1 kw); RBZ-101 (7.9 kw); RBA-102 (7.0 kw).

Model	Dimensions—Inches	
	Cooking Tops	
	RBZ-100, 101	RBA-102
Cooking top—width	32½	23
—depth	20½	21
—height	¾	¾
Counter-top opening—width	31	22½
—depth	19	20
Depth below counter top	4½	3½



# Refrigerated Food Centers

with finest in food-keeping features and freezing without defrosting!



**Complete design flexibility** of the new Frigidaire Refrigerators and Freezers permits sliding them in place as blend-ins or, as shown here, recessed in one of many practical, decorative ways to give the "built-in look." Stock framing kit (#199) available for 12, 13, and 14 cu. ft. models.



Model FP-142-59



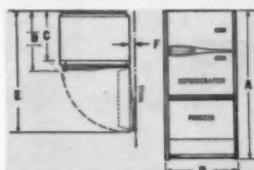
Model UFI-150-59

## FRIGIDAIRE REFRIGERATORS

Frost-Proof Freezing Section (FP-142-59, FP-124-59)  
Flowing Cold in refrigerator section (FP-142-59, FP-124-59, CP-144-59)  
Automatic Defrosting in refrigerator section (except D-13-59, D-11-59)  
Completely separate Zero Zone Food Freezer (except D-13-59, D-11-59)  
Flip-Quick Ice-Ejector (FP-142-59, FP-124-59, CP-144-59—optional in all other models)  
Roll-to-You Shelves (except FD-104-59, D-13-59, D-11-59)  
Three 9 cu. ft. Super Models also available

## FRIGIDAIRE UPRIGHT FREEZERS

Sheer Look plus feminine lacework styling  
Full-Width Shelves—3 Refrigerated Shelves; 1 Removable  
Full-Width Basket Drawer  
5 Full-Width Removable Door Shelves (UFD-123-59 has 4)  
Adjustable Cold-Control  
Built-in Door Lock (UFI-150-59)  
Available in White Dulux  
20 cu. ft. Upright Model and two Chest-Type Models also available



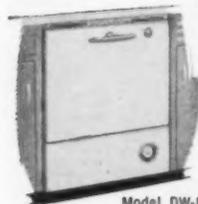
\*Next to wall at hinge side of door.

Refrigerator Model	Dimensions—Inches						Capacity Cu. Ft.	Shelf Area Sq. Ft.	Choice of 5 White Colors	Freezer Model	Imperial UFI-150-59 DeLuxe UFD-150-59 DeLuxe UFD-123-59				
	A	B	C	D	E	F*					Dimensions—Inches	A	B	C	D
Frost-Proof FP-142-59	69½	32	25	29	57½	2½	14.2	24.8	x	x	69½	69½	64		
Frost-Proof FP-124-59	64	32	25	29	57½	2½	12.4	18.8	x	x	32	32	32		
Cold Pantry CP-144-59	69½	32	25	29	57½	1½	14.4	24.7	x	x	C	26	26	25	
Imperial FI-122-59	64	32	24½	28½	56½	1½	12.2	20.5	x	x	D	30	29½	28½	
Imperial FI-123-59	64	32	24½	28½	56½	2½	12.3	20.3	x	x	E	58½	58½	57½	
DeLuxe D-13-59	64	32	24½	28½	56½	2½	12.8	19.6	x		F*	2½	1½	1½	
DeLuxe FD-104-59	64	28	24½	28½	52½	2½	10.4	16.7	x			15.0	15.0	12.3	
DeLuxe D-11-59	64	28	24½	28½	52½	2½	10.8	16.4	x			15.4	15.7	14.7	

Models FP-142-59, FP-124-59, CP-144-59 and FI-122-59 available in white porcelain enamel.

# Kitchen Clean-up Centers

with sparkle-clean action dishwashers and faster, quieter food disposers!



Model DW-IUZ

## FRIGIDAIRE DISHWASHERS

Holds up to 48% more than other comparable models checked—12 complete place settings (NEMA Standards), plus 15 other pieces  
Sparkle-cleans more dishes per load  
2 washes—each with fresh detergent (DW-IUZ, DW-IFZ, DW-ISZ)  
3 rinses—Spots-Away liquid automatically added to third rinse (DW-IUZ, DW-IFZ, DW-ISZ)

Model	Custom Imperial			
	DeLuxe Under-Counter DW-IUZ	Under-Counter DW-IUZ	Free Standing DW-IFZ	Sink Combination DW-ISZ
Height—overall	34½	34½	40	40
—work surface	—	—	36	36
Width	23½	23½	24	48
Depth—counter top	—	—	25½	25
—over hardware	25½	25½	26½	26
—door open	44½	44½	46	45½
Choice of White and 5 colors	x	x	x*	x**
Satin Chrome	x	x		

\*Side panels and wood top to convert under-counter models into colored free-standing models available as accessories. \*\*White and 3 colors.

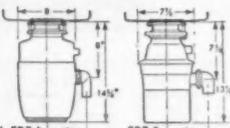


## FRIGIDAIRE DISPOSERS

30 to 35% faster—with new dissolving action  
Quieter—insulated jacket (FDZ-1) rubber cushioned connections  
Disposes of all food wastes including corn husks, celery, fruit rinds



Model FDZ-1 7½"



FDZ-3 5½"

**End-of-counter or under-counter** installation of 24" models is possible with the new Frigidaire Dishwashers that wash, dry and store sparkle-clean a full day's dishes for family of four. New Food Waste Disposer is perfect team-mate for your dishwasher. Speeds clean-up time, faster, quieter, safer.

# Comfort Conditioning Centers

featuring full-home, year-round comfort or add-on cooling only for individual rooms or the entire house!



Today, your home-buyers can enjoy clean, healthful air conditioning all year-round in your homes at less cost, thanks to the new Frigidaire residential air conditioning line. There's a unit to take care of practically every type of home. Included are Room Air Conditioners with exclusive Dehumid-Coil designed for perfect "Dry-Cooling" to lick both heat and humidity. Frigidaire also has a complete line of furnaces.

Described here are a few of the more popular heating and air conditioning units. Your Frigidaire dealer will be glad to review your specific air conditioning requirements and select the best system to fit your homes and your prospects' budgets.

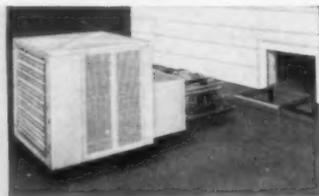
### Newest way to feature air conditioning!

Here's a completely new concept in full-home air-conditioning—the Frigidaire Trans-Wall system! It's easy to provide for low cost air conditioning now... or later—with every home you build! The all-in-one Trans-Wall Unit is a completely self-contained air-cooled package with twin Super Meter-Miser Compressors (only one operates during mild weather to give more efficient cooling at lower cost). With the furnace located at an outside wall of the house and a special coil housing in place, all you do is slide Trans-Wall Unit through wall during construction... when you close the sale... or at any later date the home-buyer chooses. It slides in like a drawer. Cuts installation costs up to 50%. Trans-Wall system utilizes furnace blower and ductwork.

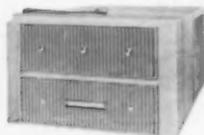
### FRIGIDAIRE TRANS-WALL UNIT

Model	A1AZ-240	A1AZ-350
Capacity, Btu/Hr.	24,000	35,000
Compressors	2	2
Air Flow (CFM) Required	800	1200
Electrical Characteristics	230-1-60	230-1-60
Approx. Weight, lbs. net	324	359
<b>Dimensions—Inches</b>		
Wall opening	24W x 14H	24W x 17½H
Condensing Unit	26H x 29¼W x 25¼D	26H x 29¼W x 25¼D
Cooling Coil Housing	13¼H x 23¼W x 18½D	17H x 23¼W x 22D

Single, sealed, packaged unit, factory-assembled consists of air-cooled condensing unit with 2 Super Meter-Miser Compressors, collar, and cooling coil section. Coil section slips thru wall opening into special housing above or below furnace. No water supply required nor refrigerant connections to make. Mounting brackets furnished for condensing unit.



### FULL-HOME AIR CONDITIONERS



Model AZZ-190 with optional plenum.

Horizontal Air Conditioners designed for through-the-wall or flush-wall installation to give full-home air conditioning. May be used with existing furnace ductwork, with their own ducts, or without ducts through use of optional plenum as shown. Two models available. Both air-cooled, factory-wired, charged with refrigerant, and tested.

Model	Cooling Capacity Btu/Hr.	Dimensions—Inches			Fan Capacity Nominal CFM
		Height	Width	Depth	
AZZ-190	19,000	18	29½	38	700
AZZ-340	34,000	22½	29½	42½	1200

### ROOM AIR CONDITIONERS



Vertical Model AI-100 installed thru wall, with optional trim.

Beat heat and humidity with Frigidaire Dry-Cooling Room Air Conditioners. Exclusive Dehumid-Coil cools without clamminess! Simplified Pre-Installation Kit makes it easy to build-in Vertical Units in any outside wall. Nine vertical models from 6500 to 12,400 Btu/Hr. cooling capacity, including models that heat as well as cool. Dimensions: 25"W x 20½"H x 15¼"D. Two horizontal models with cooling capacities of 14,100 and 16,500 Btu/Hr. Dimensions: 26"W x 16½"H x 37¼"D.

Frigidaire reserves the right to change specifications and prices, or discontinue models without notice.

### GAS FURNACES

Wide choice of vertical upflow and downflow, low-boy and horizontal models

Burners for natural, artificial, and LP gas

Models designated "-1" have sufficient blower capacity to permit adding matched cooling coil without changing motor, pulleys or belt

All models A.G.A. approved Highly efficient burners and heat exchangers for dependable, low-cost service

Automatic controls

Efficient blowers with quiet, reliable motors

### OIL FURNACES

Choice of vertical upflow and downflow, lowboy, and horizontal models

Models designated "-1" have sufficient blower capacity to permit adding matched cooling coil without changing motor, pulleys or belt

All models listed with Underwriters' Laboratories Automatic controls

Model	Capacity Btu/Hr. Input	Cabinet Dimensions Inches			
		Height	Width	Depth	
Vertical Upflow	GHW-75-1	70,000	66	18½	16
"	GHW-90	75,000	66	18½	29
"	GHW-105-1	90,000	66½	25	25
"	GHW-130-1	105,000	60	18½	29
"	GHW-160-1	130,000	63	22	29
"	GHW-160-1	160,000	62	27	29
Vertical Downflow	GRW-70	70,000	66	18½	16
"	GRW-75-1	75,000	69	14½	29½
"	GRW-105-1	105,000	69	18½	29½
"	GRW-130-1	130,000	69	22	29½
Lowboy	GLW-75-1	75,000	42½	14½	50½
"	GLW-90	90,000	47½	25	42
"	GLW-105-1	105,000	42½	18½	50½
"	GLW-130-1	130,000	42½	22	50½
"	GLW-150	150,000	54½	28½	55
"	GLV-190-1	190,000	54½	33½	55
Horizontal	OZW-85-1	85,000	21½	52	14½
"	OZW-100-1	100,000	21½	52	17
"	OZW-140-1	140,000	23	55	21½

Model	Capacity Btu/Hr. Output	Cabinet Dimensions Inches			
		Height	Width	Depth	
Vertical Upflow	OHW-84-1	84,000	65	25	25
"	OHW-101-1	100,800	65	24	30
Vertical Downflow	ORW-84-1	84,000	67½	25	25
"	ORW-101-1	100,800	69	24	30
Lowboy	OLW-84-1	84,000	47½	25	42
"	OLW-101-1	100,800	46	24	45½
"	OLW-129-1	128,800	52½	28½	49½
"	OLW-151-1	151,200	52½	33½	49½
Horizontal	OZW-84-1	84,000	25	66½	25
"	OZW-101-1	100,800	24	68	30

For more information see your Frigidaire Builder Representative or write FRIGIDAIRE Division, G.M.C., Dayton-1, Ohio.



**FRIGIDAIRE**  
ADVANCED APPLIANCES . . . DESIGNED WITH YOU IN MIND

BUILT-IN SALES CLINCHER

## Admiral built-ins sell homes! Cost less...install easier!

NEW CUSTOM-BEAUTY! NEW EFFICIENCY!

To the housewife, the kitchen is the heart of the home. That's why homes with Admiral Kitchens are easier to sell. Admiral built-ins are loaded with exclusive features that have instant appeal to women. What's more, these advantages are pre-sold nationwide by Admiral's continuing powerful national advertising.

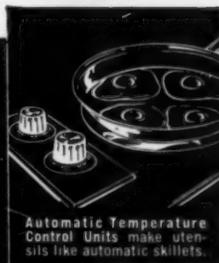
By any measure, Admiral built-ins give your house a built-in sales clincher that can open and close the sale. They're easier to install...actually cost you less! It will pay you well to investigate Admiral built-ins now!



Giant non-fogging picture window lets you look into oven from across kitchen.



Rotary Roaster in oven bastes as it roasts as it turns—automatically!



Automatic Temperature Control Units make utensils like automatic skillets.



 MARK OF QUALITY THROUGHOUT THE WORLD

# Admiral



Sold in 90 countries. Manufactured in the U.S.A., Australia, Argentina, Brazil, Canada, Italy, Mexico, Philippines, and Uruguay. Admiral Corp., Chicago 47, Ill., and Port Credit, Canada.

### MAIL THIS COUPON TODAY

Admiral Corporation, Built-in Appliance Division, Dept. AB-29  
3800 Cortland St., Chicago 47, Illinois

Please send more details and the name of my nearest Admiral distributor.

Name .....

Address .....

City ..... Zone ..... State .....

the final touch to assure her  
that she is buying  
a quality home



Comes  
 Complete  
 With All  
 Accessories  
 Color-Matched

MODEL UC 2 Undercabinet Hood

**Rangaire Range Hoods**  
 give your kitchen  
 a look that sells

Put the sales-power of nationally advertised Rangaire kitchen range hoods into your next home. Rangaire gives you product quality that Mrs. Homebuyer actually sees, a selling feature that you can point to with confidence. Rangaire gives your home the final touch to assure her that she is buying a quality home—elegant styleline design, lustrous lifetime finish, aluminum foil filter and efficient exhaust unit to keep her new kitchen wonderfully fresh forever.

For complete information, visit your Rangaire dealer or write Roberts Manufacturing Company, Cleburne Texas. DEPT. F-4

***Rangaire***  
 KITCHEN RANGE HOODS

**DIRECTORY OF  
 ASSOCIATIONS**

National Fire Protection Association, 60 Batterymarch St., Boston 10, Mass.

National Hardwood Lumber Association, 59 E. Van Buren St., Chicago 5, Ill.

National Heating & Airconditioning Wholesalers, Inc., 1200 W. Fifth Ave., Columbus 12, Ohio.

National Housing Conference, 1025 Connecticut Ave., N.W., Washington 6, D. C.

National Institute of Ceramic Engineers, 4055 N. High St., Columbus 14, Ohio.

National Institute of Real Estate Brokers, 22 W. Monroe St., Chicago 3, Ill.

National Institute of Wood Kitchen Cabinets, 75 E. Wacker Dr., Chicago 1, Ill.

National Landscape Nurserymen's Association, Route 3, Davenport, Iowa.

National Lime Association, 925 Fifteenth St., N.W., Washington 5, D. C.

National Lumber Manufacturers Association, 1319 Eighteenth St., N.W., Washington 6, D. C.

National Metal Awning Association, 5921 N. Broad St., Philadelphia 41, Pa.

National Metal Trades Association, 4500 Euclid Ave., Cleveland 3, Ohio.

National Mineral Wool Association, 2906 Americas Bldg., Rockefeller Center, New York 20, N. Y.

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National Paint, Varnish & Lacquer Association, Inc., 1500 Rhode Island Ave., N.W., Washington 5, D. C.

National Paperboard Association, 80 E. Jackson Blvd., Chicago 1, Ill.

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National Plywood Distributors Association, 530 Terminal Sales Bldg., 1220 S.W. Morrison St., Portland 5, Oregon.

National Ready Mixed Concrete Association, Munsey Bldg., Washington, 4, D. C.

National Retail Hardware Association, 964 N. Pennsylvania St., Indianapolis 4, Ind.

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National Roofing Contractors Association, 189 W. Madison St., Chicago 2, Ill.

(Continued on page 396)

## FOR \$10,000 HOMES



## \$14,000 HOMES



## \$18,000 HOMES



## AND HOMES OVER \$20,000



# suburban BUILT-IN RANGES

GAS OR ELECTRIC—BEST VALUE AT EVERY PRICE LEVEL

Regardless of the price homes you build, you can include the sales power of Suburban and offer prospects all 36 of the features most women want in a built-in range. Here's real quality at a price you can't beat! *Plus* — models available in both *gas and electric* to fit same size cabinet opening — *interchangeable*. Get your value-packed price from your local distributor. Send coupon today!

#### Free Color Literature!

Samuel Stamping and Enameling Company  
Dept. AB-49 — Chattanooga, Tennessee

Send me complete information and prices on  
Suburban Built-in Ranges  Gas  Electric

Name \_\_\_\_\_

Address \_\_\_\_\_

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





NEW BUILT-IN SALES APPEAL

## General Electric Dishwasher

DESIGNED AND PRICED RIGHT FOR YOU!

Two extra  
sales-makers  
for your  
extra-value  
homes



**NEW!** The Custom 4-Cycle SU-70 (24 in.). Only dishwasher with a cycle for every dishwashing need. A big, new trade-up feature for higher priced homes.



Model FC-15 Disposall®. Budget-priced, high quality. Easy, one-man installation. One of a complete line of Continuous-Feed and Safety Twistop models.

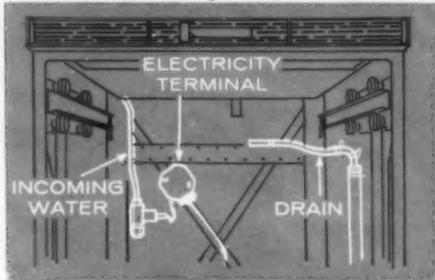


**Model SU-60 Automatic Dishwasher**—This “Princess” 24-inch budget-priced, quality-built dishwasher gives you the famous General Electric brand preference and consumer appeal . . . plus truly modern kitchen convenience.

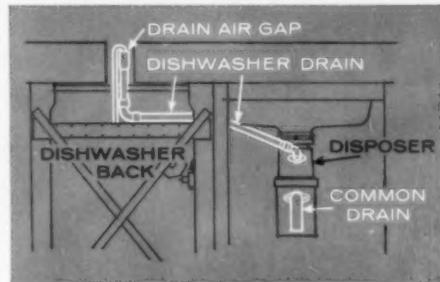
You get the extra value, visible quality, and competitive edge that help you sell your homes faster. Available in 5 colors, 5 woods, brushed chrome, and antique copper. Features famous Flushaway Drain, built-in pump, custom washing performance.

“Empress” 30-inch dishwasher with reserve capacity also available. And, you get world-famous General Electric dependability and service.

**Look at this Easy, Fast Installation**



**Saves Time and Work**—Entire tub rolls right out of cabinet—and out of your way—while you make electrical and plumbing connections. (Four wood wedges let you shim and level cabinet while in place.)



**Sanitary Drain Air Gap**—Eliminates need for prior roughing in, provides maximum sanitation, uses one drain for both dishwasher and sink. (Optional: sanitary drain which utilizes existing sink.)

**We want to help you sell!** Besides budget-priced, high-quality models with easy installation and big sales appeal—we’re ready to back you with a complete package of merchandising tools designed to help you benefit from nationally advertised G-E Dishwashers and Disposalls.

**Get complete information** and all the profitable details about the new G-E Dishwashers and Disposalls—and the promotion help that goes with them. Get in touch with your General Electric representative . . . or mail the coupon below. Do it today! No obligation, of course.

Please send me complete information on the new G-E Dishwasher and the promotional material that goes with it.

**General Electric Company, Department DD-1  
Appliance Park, Louisville 1, Kentucky**

NAME \_\_\_\_\_

TITLE \_\_\_\_\_

COMPANY \_\_\_\_\_

ADDRESS \_\_\_\_\_

A

**GENERAL  ELECTRIC**



# The BIG name in Bilt-ins

# THERMADOR



THERMADOR Bilt-In Oven features: largest usable oven space . . . models with Easy-View Window. Choice of 9 models in Lifetime Stainless Steel and 9 in any one of 5 decorator colors.

THERMADOR Bilt-In Cooking Top features: Speed-Matic element red hot in 15 seconds . . . Therma-Matic element fully automatic. Griddle and deep-well models available. Choice of 12 Cooking Tops in Lifetime Stainless Steel and 7 models in any one of 5 beautiful colors.

## ...originator of the Bilt-In Range!

When today's home buyer is *pre-sold* on brand reputation of kitchen appliances, the house is half sold. And today's buyers recognize the quality of THERMADOR Bilt-In Electric Appliances . . . ovens, cooking tops and refrigerator-freezers. Besides, THERMADOR Bilt-Ins take 45 minutes less time to install (ask any electrical contractor); require least service (ask your serviceman); and the matchless brand reputation of THERMADOR adds quality appeal to every home, budget project or finest custom-built (ask any Thermador owner).



### NOW AVAILABLE! THERMADOR Bi-Level Bilt-In ELECTRIC OVEN

More usable oven space than ever before! Gives perfect baking and broiling in either oven at the same time. Compact, easy-to-install, modern beauty.

THERMADOR Electrical Manufacturing Co.,  
A Division of Norris-Thermador Corporation  
5119 District Boulevard, Dept. 111, Los Angeles 22, Calif.

Please send illustrated literature on:

- "Bilt-In" Ranges    "Bilt-In" Refrigerator-Freezers
- architect     builder     electrical contractor
- wholesaler     dealer

Name \_\_\_\_\_

Address \_\_\_\_\_

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



THERMADOR Bilt-In Refrigerator-Freezer gives your buyer top value in unexcelled taste. This 14.2 cubic foot combination refrigerator-freezer is truly bilt-in, easiest to keep clean, requires minimum service, offers every favorite feature. In Lifetime Stainless Steel or 5 decorator colors.

There's a built-in for any priced home you plan to build...in the complete new line of

## **General Electric** *Builder-designed* **Ovens and Cooktops**



**For a distinctive kitchen:** Custom double-oven in new, non-tarnish copper-finish; cooktop with controls at eye level... built into hood with exhaust fan and floodlight.



**Dramatic beauty for any kitchen:** Custom automatic oven in Turquoise Green. Matching cooktop has remote push-button control. Oven doors slide off for easy cleaning.



**Give low-cost kitchens** automatic convenience plus colorful eye-appeal with automatic deluxe oven and cooktop in sunny Yellow. Also in Pink, Turquoise, Brown, White.



**For the ultimate in beauty and convenience:** Two complete ovens in minimum space. Ovens and cooktop in Woodtone Brown; the ideal unit for custom-built homes.

**GENERAL**  **ELECTRIC**

# *Builder-designed.*

★ Choice of... single ovens... double ovens ★ The newest automatic features ★ 2- and 4-unit cooktops

**New!** TWO FULL-SIZED OVENS THAT INSTALL AS A SINGLE UNIT!

This G-E Double-Oven is *one-piece*—slips into single opening—uses only one conduit connection. Each oven has its own automatic timing, broiler, floodlight; top oven has rotisserie and meat thermometer. Controls for both ovens on single, eye-level panel. Both oven doors slide off.



• • new models for every priced home!

- ★ Pushbutton controls
- ★ Fast, fully enclosed units
- ★ 4 colors plus white, copper-finish, satin chrome

## New! DE LUXE EXHAUST HOOD HAS EYE-LEVEL COOKTOP CONTROLS!

PLEASE OPEN

Pushbutton controls for this cooktop are at eye level—built right into the copper-finish hood—always easy to see and reach! The hood contains a quiet, powerful exhaust fan which is easily removable for cleaning; built-in lamp floodlights the entire cooktop area. *Available in June.*



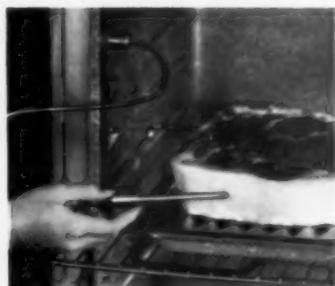
• • with features you'll find easy to talk about



**Automatic Oven Timer** that's as easy to set as a clock! Set *start* time on top dial . . . set *stop* time on bottom dial. Cooks meals while you're out.



**Removable oven door** makes it easy to reach any part of oven for cleaning. Open door, release safety latch, slide door off. Slides back on as easily.



**Meat Thermometer** takes guesswork out of perfect roasting or broiling. Dial the degree of "doneness" you want . . . buzzer sounds when meat is ready.



**Automatic rotisserie** barbecues a 20-lb. roast! Stainless steel spit. Removable, sure-grip handle lets you handle hot spit safely and easily.



**Big 21" wide-opening oven** has sturdy platform door. Gives room enough for complete oven meals; you can even bake four pies on one shelf.

**Plus these important features:**

- **Focused-Heat broiler** for "charcoal type" broiling.
- **Built-in oven vent** keeps door and controls condensation-free.
- **Automatic oven floodlight** . . . recessed into oven wall.
- **Separate minute timer** . . . sets from 1 to 60 minutes.
- **Eye-level controls** . . . with large, easy-to-read dials.
- **Picture-window oven door** . . . overwhelming preference of women.
- **Extra hi-speed units** for clean, safe, dependable cooking.

**They mix 'n match!**

Mix or match ovens and cooktops in like or contrasting colors! Ovens in Petal Pink, Turquoise Green, Canary Yellow, Woodtone Brown, White, Copper finish, Satin Chrome. Cooktops in all colors and stainless steel.



**Custom Double-Oven Model J-780;** Cooktop J-890 with controls built into hood. The perfect combination for custom installations.



**De Luxe Oven Model J-750;** Integral control cooktop J-820 offers smart styling, automatic features and fast, low-cost installation.

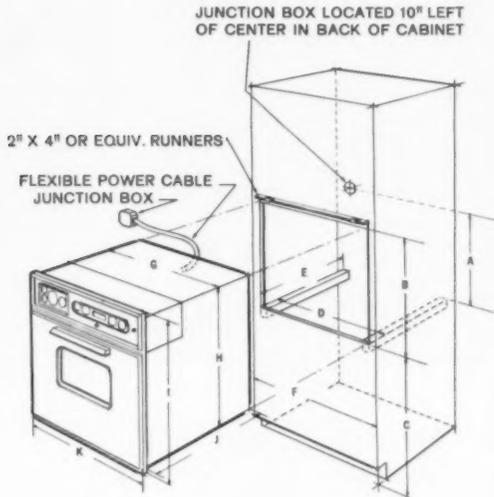


**Custom Single Oven Model J-720** and remote-control cooktop J-850 combine truly modern features with the most advanced styling.



**Model J-802**—2-unit cooktop with remote controls. In stainless steel. Use in pairs or with 4-unit cooktop for flexibility and convenience.

# New, simpler, quicker installation!

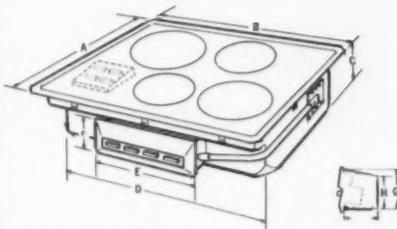


**G-E**  
one-piece oven  
installs in minutes

No assembly needed. Oven comes from the factory complete, ready to slide into wall opening or 27-inch wide cabinet. No knobs or trim to remove or replace. No time or labor needed for complicated electrical connections—just one simple conduit to attach. Installation in minutes.

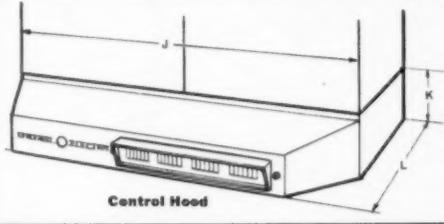
**DIMENSIONS BUILT-IN OVENS AND CABINET**

MODEL	J-720-J-722-J-724 J-706-J-702-J-704	J-700-J-702-J-704
A	23"	43 1/4"
B	24 1/4"	44 1/4"
C	34 1/2"	14 3/4"
D	25"	25"
E	23 1/4"	23 1/4"
F	27"	27"
G	24 1/2"	24 1/2"
H	24"	44 1/2"
I	25 1/4"	45 1/4"
J	22 1/2"	22 1/2"
K	26"	26"



**COOKTOP DIMENSIONS**

MODEL	J-802	J-820-J-822	J-850-J-852	J-880-J-882 J-890-J-892
A	21 1/2"	21 1/2"	21 1/2"	21 1/2"
B	16 1/4"	30 3/4"	30 3/4"	30 3/4"
C	5 1/2"	5 1/4"	5 1/4"	5 1/4"
D	17 1/4"	26 1/4"	26 1/4"	26 1/4"
E	8 1/2"	For Remote Controls: 15 1/2"		For Hood: 15 1/2"
F	4 1/2"	4 1/2"		4 1/2"
G	4"	4"		4"
H	3 1/4"	3 1/4"		J 35 1/4"
I	3 1/2"	3 1/2"		K 5 3/4"
J				L 18"
K				
L				

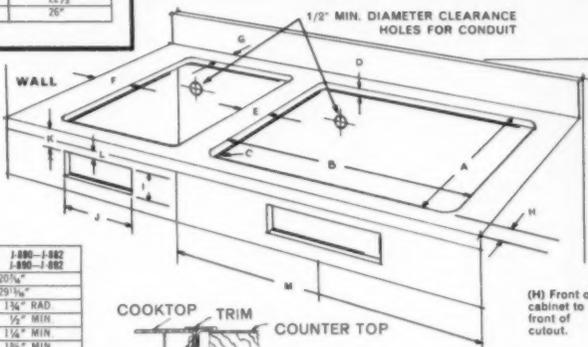


**Control Hood**

**FOR COMPLETE SPECIFICATIONS**  
and installation information, contact your local G-E distributor or write Range Department, General Electric, Appliance Park, Louisville 1, Ky.

**DIMENSIONS FOR BASE CABINET OPENINGS**

MODEL	J-802	J-820-J-822	J-850-J-852	J-880-J-882 J-890-J-892
A	20 1/4"	20 1/4"	20 1/4"	20 1/4"
B	19 1/4"	29 1/4"	29 1/4"	29 1/4"
C	1 1/2" RAD	1 1/2" RAD	1 1/2" RAD	1 1/2" RAD
D	1/2" MIN	1/2" MIN	1/2" MIN	1/2" MIN
E	1 1/2" MIN	1 1/2" MIN	1 1/2" MIN	1 1/2" MIN
F	1 3/4" MIN	1 3/4" MIN	1 3/4" MIN	1 3/4" MIN
G	1 1/2" MIN	1 1/2" MIN	1 1/2" MIN	1 1/2" MIN
H	1 1/2" MIN	1 1/2" MIN	1 1/2" MIN	1 1/2" MIN
I	4 1/2"		4 1/2"	
J	7 1/4"		14 1/4"	
K	1 3/4" MIN		1 3/4" MIN	
L	1 1/2" MIN		1" MIN	
M	36" BASE CAB	36" BASE CAB	36" BASE CAB	36" BASE CAB



**COOKTOP TRIM**  
**COUNTER TOP**  
**MOUNTING BRACKET**  
**SURFACE UNIT HOUSING**  
**THUMB SCREW**

Shows installation of custom cooktop to counter top. Cooktop fastens securely by means of counter grippers.

## From carton to cooking in 32 minutes!

G-E Ovens and Cooktops are engineered for easy installation.



**One-piece drop-in cooktop** has built-in pushbutton controls . . . no separate control panel to mount. Fits flush with counter top.



**Six thumb screws** to tighten . . . one conduit to connect . . . done! Oven and cooktop installed by The Eagles Co., Louisville, in less than 32 minutes.



**One-piece oven** slides into wall opening or 27-inch cabinet. Comes from factory ready to install—no knobs or trim to remove or replace.

**And now**  
→

# Built-in news that will rock the industry

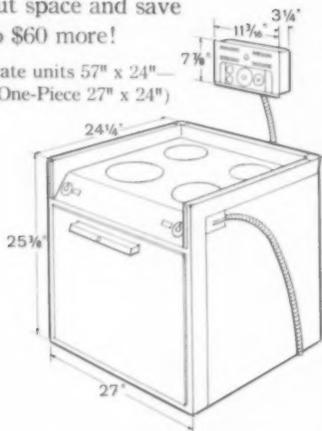
**NEW**  
General Electric **ONE-PIECE** Built-in Range

Offers built-in glamour  
at installation savings  
up to \$100!\*

And saves 5 square feet  
kitchen space!

- Space to add a feature
- OR cut space and save up to \$60 more!

(separate units 57" x 24"  
G-E One-Piece 27" x 24")



*Builder-designed*

to give these installation  
cost advantages:

Single conduit connection . . .	SAVE up to \$25.00
No oven cabinet needed . . .	SAVE up to \$45.00
No cooktop base cabinet needed . . . . .	SAVE up to \$20.00
No waste in counter-top covering . . . . .	SAVE up to \$20.00
	<hr/>
	\$110.00
Less base panel below oven of G-E ONE-PIECE . . . . .	10.00
	<hr/>
<b>NET SAVINGS</b>	<b>\$100.00</b>

\*Savings approximate. They will vary with local material, equipment and labor costs.



It's the biggest news of the year for builders! This new G-E One-Piece Built-in Range is a de luxe large oven and dropped 4-unit cooktop, all in one piece to reduce your installation costs!

*Quality features* for consumer acceptance:

- Big-capacity oven
- Removable oven door
- Focused-Heat broiler
- Automatic Oven Timer and Minute Minder
- Hi-speed pushbutton units and master indicator light
- Fully enclosed bake and broil units
- Available in Pink, Turquoise, Yellow, Brown, White

# GENERAL ELECTRIC

control panel to mount. Fits in standard counter top.

Louisville, in less than 32 minutes.

remove or replace.

# Buy **FASCO** Ventilators

✱ Economical Installation

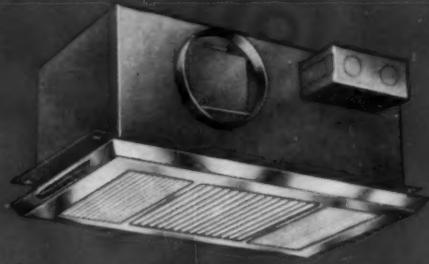
✱ Proven Dependability

✱ Exclusive Advantages



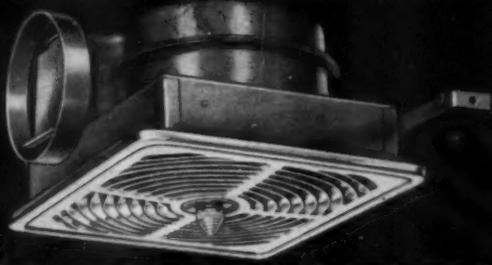
MODEL  
**657C**

Here's everything wrapped up in one smart package. 120 watts of recessed, soft, abundant illumination... efficient ventilation to keep bathroom dry and odor free plus the gentle warmth of a capable heater.



MODEL  
**655C**

For bath and utility room. Designed with the builder and contractor in mind because it's engineered to save installation time. Powerful ventilator plus 120 watts of ample-soft illumination.



MODEL  
**650A**

Absolutely the trimmest. Only 5 1/2" high, fits inside 6" joist without protruding. Permits installation on shallow beam cathedral ceilings. No header necessary. Easiest of all to install.



Powerful, deluxe turbo-radial impeller for the most difficult exhausting jobs - by pressure through ducts. Develops pressures unobtainable by ordinary fan blades. For ceilings or side wall installation.

MODELS **720A-1020A**



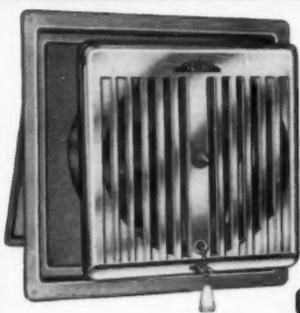
Ideal for ceiling installation, easy to install, attaches to standard 8" round duct when used with damper reducer. Exhausted through roof using Fasco roof jack. Additional framing not required for installation.

MODELS **880A-1080A**



Gives automatic through-the-wall ventilation. Powerful pressure blades exhaust odors and vapors outward and downward. Weather tight damper opens and closes automatically. Model 888A (illustrated) has remote switch - Model 889A is chain operated.

MODELS **888A-889A**



Sturdy, low-cost, chain operated ventilator. Deep pitched fan blades remove odors, vapors and fumes. Ample overlap on outside door frame and inside tube makes flush finishing easy and neat in any type wall construction.

MODELS **847A-1047A**

## FASCO INDUSTRIES, INC.

North Union at Augusta  
Rochester 2, New York

Please send me your new full-color catalog of Fasco range hoods and ventilators.

AB-459

Name \_\_\_\_\_  
Company \_\_\_\_\_  
Address \_\_\_\_\_  
City \_\_\_\_\_ Zone \_\_\_\_\_ State \_\_\_\_\_



▲ Hotpoint automatic 30-inch stack-on surface section Model RM702 and Bi-level double oven Model RLG702.

Hotpoint Customline Appliances are available in stainless finish, Satin-Copper, Turquoise, Coral Pink, Sunburst Yellow, Copper Brown and Classic White.

◀ Hotpoint deluxe single oven Model RJG302 and 30-inch drop-in surface section Model RN102.



when you build in

# HOTPOINT

you build in

# PUBLIC

# PREFERENCE

Only Hotpoint offers builders such dramatic proof of public preference, for only Hotpoint has made over 5 million electric ranges.

Hotpoint built-in ranges offer the same product leadership—in quality, in features and in styling—that has made this unprecedented sales record possible.

And, Hotpoint keeps building public preference for built-in ranges with powerful, full-color ads in *LIFE* and other leading magazines. It's advertising directed to *your* prospects to help sell Hotpoint-equipped homes.

With Hotpoint built-in ranges, you also enjoy many other important advantages. Hotpoint offers a complete built-in line, with ovens and surface cooking sections to fit every kitchen plan and budget. Hotpoint built-ins are designed to save space and installation costs, too. And, Hotpoint's new interchangeable oven door panels give your customers complete decorating freedom—colors can be changed easily in minutes.

Remember, home buyers look for quality, and Hotpoint built-ins reflect quality throughout the home. Put the sales power of Hotpoint's public preference in your homes now!

when you build in Hotpoint, you build in Public Preference



# Hotpoint

A Division of General Electric Company, Chicago 44, Illinois

ELECTRIC RANGES · REFRIGERATORS · AUTOMATIC WASHERS · CLOTHES DRYERS · CUSTOMLINE  
DISHWASHERS · DISPOSALLS® · WATER HEATERS · FOOD FREEZERS · AIR CONDITIONERS

# install... VACU-FLO® BUILT-IN VACUUM SYSTEMS SELL A... 'Dust-Free' HOME



THOUSANDS of home owners are now installing VACU-FLO in EXISTING homes. Why don't you in NEW ones?

**YOUR HOMES WILL GO WITH VACU-FLO**

WRITE • PHONE • WIRE • NOW  
**H-P PRODUCTS, INC.**  
LOUISVILLE, OHIO

## DIRECTORY OF ASSOCIATIONS

National Safety Council, 425 N. Michigan Ave., Chicago 11, Ill.

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National Sanitation Foundation, School of Public Health, University of Michigan, Ann Arbor, Mich.

National Savings & Loan League, Rm. 907, Ring Bldg., Eighteenth and M Sts. N.W., Washington 6, D. C.

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National Society of Professional Engineers, 2029 K St., N.W., Washington 6, D. C.

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Northeastern Lumber Manufacturers Association, Inc., 271 Madison Ave., New York 16, N. Y.

Northern Hemlock & Hardwood Manufacturers Association, Suite 207, Northern Bldg., Green Bay, Wis.

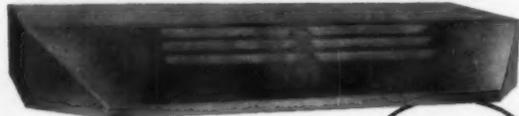
Northern Pine Manufacturers Association, 4329 Oakland Ave., Minneapolis 7, Minn.

Northern Sash & Door Jobbers Association, 30 N. LaSalle St., Chicago 2, Ill.

(Continued on page 402)

It makes bad air FRESH again!

## Ductless Hood®



Enjoy the healthful comfort of purified air by merely the turn of a switch. Motor-blower recirculates kitchen air every ten minutes. Activated Charcoal and Grease Filters give complete efficiency in removing GREASE, ODORS, SMOKE, DUST and POLLEN. Sizes and colors for every decor.

**ELIMINATES EXPENSIVE INSTALLATION OF DUCTS, VENTS AND OUTSIDE LOUVRES!**

The Ductless Hood is also featured in the OVENMASTER series—an air purifier for built-in ovens. Makes the kitchen complete!

**NEW!... for other rooms: Clear out smoke and dust with the built-in Ductless Air Purifier®**

See your local distributor, or write:  
**THE DUCTLESS HOOD CO., INC.**  
601 Plandome Road, Manhasset, N. Y.



The DUCTLESS HOOD way... Full shelf area—no waste of costly heat or conditioned air.



ORDINARY HOOD... Pipes and ducts costly to install—take up valuable shelf space.

# 7 out of 10 choose Gas

and it costs you less to install!

Save money and satisfy more buyers by installing LP-Gas heating in every home you build beyond the city mains. A safe, automatic LP-Gas furnace costs at least \$40 less than a comparable oil model. And gas is the preferred fuel. A study by U.S. Dept. of Labor reveals 7 out of 10 new homes are gas-equipped. Fewer service calls, too, for LP-Gas burns clean and requires little maintenance. For clean heating, modern cooking, fast water heating and other home uses beyond the mains, it's LP-Gas!

**LP GAS**



# Trade-Wind

## Distinguished Styling

Style is the keynote of modern kitchen design — and Trade-Wind provides the most striking hood designs with which to accent the kitchen.

## Customer Convenience

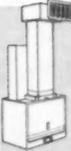
Space Saver designs free the entire cabinet for storage; the exclusive Touch-Bar simplifies control; real copper and stainless steel are specially finished for lifetime service.

## Certified Performance

Every Trade-Wind Ventilating Hood and Ventilator is guaranteed to provide top capacity performance.

You'll Get **EVEN MORE** in '59 with Trade-Wind

*Trade-Wind* THE BRAND THAT HAS QUALITY IDENTIFICATION

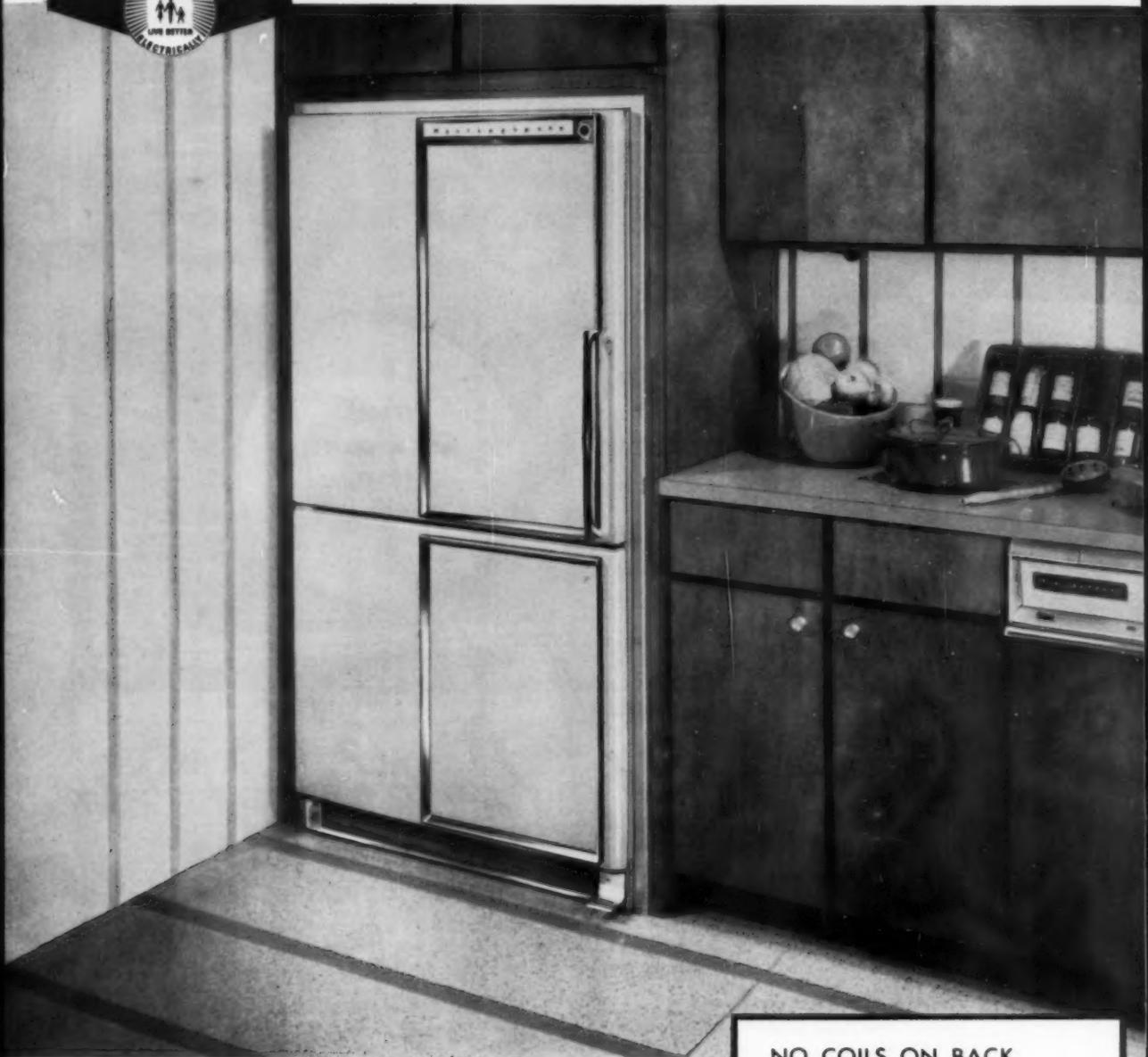
						
3501 Ventilating System	2501/1501 Ventilators	Space Saver Ventilating Hoods	Pre-Wired Hoods	Patrician Ventilating Hood	1701 Bathroom Light Ventilator	Oven Ventilator

*Trade-Wind Motorfans, Inc.* 7755 PARAMOUNT PLACE, PICO-RIVERA, CALIFORNIA  
DIVISION OF ROBBINS & MYERS, INC

Westinghouse

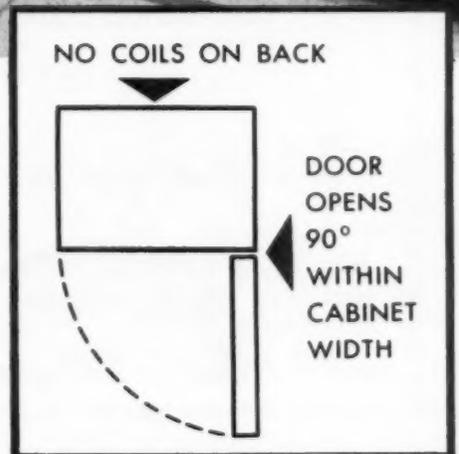
TOTAL ELECTRIC HOME... *where everything is done electrically!*

HEATING · COOLING · APPLIANCES



Heirloom Maple Wood Cabinets by Westinghouse

**INSTALLATION IS EASIER THAN EVER.** Two new vertical built-in refrigerator-freezers (Models DCM-14 shown above, and TDM-13) have no coils on back. Entire operating mechanism is mounted in bottom of cabinet behind grille. Concealed hinge permits 90 degree door opening within cabinet width. No extra space is needed for door swing . . . either model can be installed flush in a kitchen corner. To build-in, merely make the cutout, slide cabinet into place and install accessory trim kit.



# WESTINGHOUSE HAS THE WIDEST SELECTION OF BUILT-IN REFRIGERATORS AVAILABLE!



**STOP HOME BUYERS IN THEIR TRACKS.** You can do it with the beautiful interior . . . the specialized storage convenience of this big 14 cu. ft. built-in Frost Free Refrigerator (Model DCM-14 shown opposite, closed). It has the exclusive Westinghouse Meat Keeper<sup>®</sup> that keeps meat store-fresh for 7 days without freezing. Separate 161 lb. home freezer is located at bottom. Color availability includes cabinet in Mint Aqua, Frosting Pink, Lemon Yellow, Sugar White, and Coppertan. Also Brushed Chrome and Coppertex doors. Choose 'N Change Door Panels come in 5 colors plus 2 wood grains. *Also available:* Model TDM-13, built-in model with separate top-mounted freezer.



**HORIZONTAL MODEL BUILDS-IN OR STACKS.** This deluxe 13.1 cu. ft. refrigerator-freezer can be built-in at any desired work level using accessory grille and trim kit. Fully-finished brushed aluminum exterior also permits stacking on a counter. New and exclusive "Thermo Struct" construction provides greater strength, longer life. Has Westinghouse Cold Injector system that keeps all foods fresh longer. Available with Mint Aqua, Frosting Pink, Lemon Yellow, Sugar White, Coppertan, Coppertex and Brushed Chrome doors.



**SEVEN OTHER MODELS CAN BE BUILT-IN.** Westinghouse also offers a choice of free-standing refrigerators, from a deluxe 16 cu. ft. model to a 5 cu. ft. undercounter version, that can also be built-in. Shown at left is a representative model, DM-11, built-in with accessory grille and trim kit. This refrigerator has an 11.4 cu. ft. capacity with 75 lbs. of frozen storage.

**NOW, FOR THE FIRST TIME, YOU CAN PUT A BUILT-IN REFRIGERATOR IN ANY PRICE HOME YOU BUILD.**

For details, contact your Westinghouse distributor or write Westinghouse Electric Corporation, Contract Sales Dept., Mansfield, Ohio.



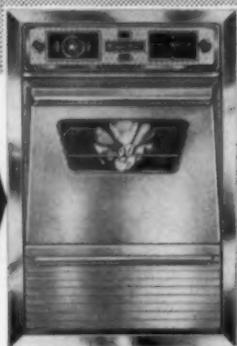
YOU CAN BE SURE...IF IT'S **Westinghouse**

# The *NEW* Modern Maid **BUILT-INS**

INTERCHANGEABLE GAS and ELECTRIC

## for '59

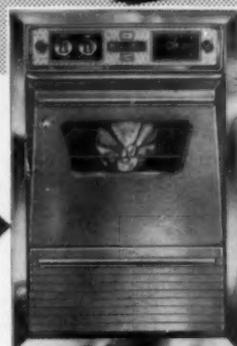
THE ONLY GAS BUILT-IN WITH 18 INCH OVEN AND WITHOUT VENT OPENING IN THE INSTRUMENT PANEL



ARE ALL NEW!

NEW GIANT 18-INCH OVENS . . . DESIGNED TO FIT IN THE STANDARD 24-INCH OVEN CABINETS . . .

BIG NEW ELECTRIC DOUBLE OVEN GIANT 18" OVEN AND AN ECONOMY SIZE 16" OVEN UNDERNEATH



GT-36G-TE

ET-36G-TE

GT-16

ET-16

GT-G

ET-G

GT-30

ET-30

INTERCHANGEABLE SUPER THIN RANGE TOPS

ALLOW DRAWER SPACE UNDERNEATH GAS & ELECTRIC BUILT-INS!

Call or Write today for specifications and descriptive literature



## TENNESSEE STOVE WORKS

CHATTANOOGA 1, TENNESSEE

*"I wouldn't buy any home without a WASTE KING Dishwasher!"*



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**Oil Heat Institute of America, Inc.**, 500 Fifth Ave., New York 36, N. Y.

**Operation Home Improvement**, 10 Rockefeller Plaza, New York 20, N. Y.

**Oxychloride Cement Association, Inc.**, 29-28 41st Ave., Long Island, N. Y.

### P

**Pacific Forest Industries**, 1219 Washington Bldg., Tacoma 2, Wash.

**Pacific Lumber Inspection Bureau**, White-Henry-Stuart Bldg., Seattle 1, Wash.

**Painting and Decorating Contractors of America**, Suite 30, 540 N. Michigan Ave., Chicago 11, Ill.

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**Philippine Mahogany Association, Inc.**, 1017 Fair Oaks Ave., South Pasadena, Calif.

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**Producers Council, Inc., The**, 2029 K St., N.W., Washington 6, D. C.

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**RLM Standards Institute, Inc.**, 326 W. Madison St., Chicago 6, Ill.

**Roofing and Sheet Metal Crafts Institute**, 60 E. 42nd St., New York 17, N. Y.

(Continued on page 418)

**NO WASTED CABINET SPACE**

**"MIX OR MATCH" DECORATOR COLORS**

**POWERFUL "UNDER HOOD" TWIN BLOWERS AND LIGHTS.**

**EASY TO MAINTAIN**

All parts easily accessible for cleaning or service.

*Power Vent*

**RANGE HOOD-FAN COMBINATIONS**

**EASY TO WIRE**

Knockouts for supply line available from rear or top.

**EASY TO INSTALL**

Adaptable for horizontal or vertical discharge.

Extreme durability combined with decorator colors gives today's homemaker the maximum in beauty, long wear and easy care. The rugged oven-baked Du Pont "Dulux" appliance finish won't rust or discolor. Decorator colors, pink, yellow, turquoise, coppertone, solid stainless steel, harmoniously "mix or match" with any kitchen decor. Gracefully enclosed twin lights provide glare-free illumination over the entire cooking area. Powerful double blowers with built-in filters quickly and quietly remove cooking odors, banish grease and purify the air . . . all without the loss of one inch of cabinet space. Finger-tip Multi-speed Push-button controls add to easy operation.

FOR COMPLETE INFORMATION, WRITE FOR CATALOG NO. PV-59.

**MANUFACTURING COMPANY, INC.** Philadelphia 34, Pa.

WORLD'S LARGEST PRODUCERS OF RESIDENTIAL LIGHTING FIXTURES • DOOR CHIMES • RANGE HOODS AND FANS • HOME RADIO INTER-COM





For the  
most  
beautiful  
kitchen  
of them  
all...

## BRONZEGLOW. BIRCH



Construction and finish of exceptional quality  
Hollow core doors; nylon roller drawer guides

Stocked by 55 distributors east of the Rockies  
See telephone book Yellow Pages, or write us



*...and beautiful  
bathrooms, too!*

H. J. SCHEIRICH CO., LOUISVILLE 9, KY.





Installs in half the time  
 of ordinary range hoods

*NEW Broan*

**Dual Blower Hood**

a fully integrated package

There is more of everything for everybody in this **NEW Broan Hood**. The housewife gets a better performing installation — the extra power of a dual blower. The contractor gets more to “sell” — at a better price. For example, the hood and blower are factory prewired and are put in place as a single unit. Many contractors report their installation time is only half of

their former experience. That difference can mean many more successful jobs for you.

Get the full facts on this **BEST ENGINEERED** hood today. See your distributor, or write for full information.

*Broan* **MANUFACTURING COMPANY, INC.**

946 West State St., Hartford, Wisconsin | Near Milwaukee

*Specialists in Quality Ventilating Equipment for More than 25 Years.*

## Additional Features—

- Vertical or horizontal discharge directly into 3¼" x 10" standard duct.
- Built-in spring-loaded backdraft damper.
- Blower removable without tools. Two lifetime aluminum filters.
- Brilliant illumination — ribbed crystal lens.
- Seamless welded construction — no grease-catching trim strips or rivets.
- Saves cabinet space — self contained.
- “Contour-corner” design — out of the way of cabinet doors.
- Modern or colonial styling, five widths, stainless steel or colors.



## Dual-Blower Island Hood

The Broan Island Hood is completely self contained, offers fast, economical installation plus dual-blower power. Combines all the engineering advances and features of the regular Dual-Blower Hood. Choice of styles, widths, finishes.

MARTHA

*Washington*

GAS OR ELECTRIC

**BUILDERS CONDENSED  
BUILT-IN DATA SHEET**

**BUILT-IN: RANGES—OVENS—RANGE HOODS—REFRIGERATORS—FREEZERS**



**BUILT-IN OVENS**

**ELECTRIC MODELS**

- SPECIAL "616" ELECTRIC OVEN (24" Minimum Cabinet)
- DELUXE "516" ELECTRIC OVEN (WITH ADDITIONAL SEPARATE BROILER UNIT) (24" Minimum Cabinet)
- SPECIAL "616" & DELUXE "516"—Automatic or Non-Automatic.
- SPECIAL IMPERIAL "624" ELECTRIC OVEN. (FULLY AUTOMATIC) (33" Minimum Cabinet). OVEN SIZE 24" x 19" x 14".
- IMPERIAL "524" ELECTRIC OVEN. (FULLY AUTOMATIC WITH ADDITIONAL SEPARATE BROILER). (33" Minimum Cabinet). OVEN SIZE 24" x 19" x 14".

**GAS MODELS**

- DELUXE "116" GAS OVEN. (WITH ROLL-OUT BROILER). (24" Minimum Cabinet). (Automatic or Matchless).
  - IMPERIAL "124" GAS OVEN. (FULLY AUTOMATIC). (33" Minimum Cabinet). OVEN SIZE 24" x 19" x 14".
  - FULLY AUTOMATIC: Electric Time Control and Electric 60 minute Timer in Electric Clock.
  - MATCHLESS: Manual Timer in Electric Clock, and Safety Pilot.
- A. G. A. & U. L. APPROVED  
AVAILABLE IN STAINLESS STEEL AND A CHOICE OF COLORED PORCELAIN

**BUILT-IN GAS & ELECTRIC RANGES**

- ELECTRIC SURFACE UNITS  
MODELS: \*E-32-R, \*E-32-I, \*E-22-R, oE-12-R, \*E-33-C, \*E-33-CT.
- GAS SURFACE UNITS  
MODELS: \*GI-32, \*GI-22, oGI-12, \*GI-33-C, \*GI-33-CT.
- \*—Four Burner; o—Two Burner.
- Models GI-33-C, GI-33-CT, E-33-C, E-33-CT—Builders' Drop-in Models with top controls, Brushed Chrome tops only. C—Denotes standard burners. CT—Denotes one Thermostatically controlled burner.
- All other models available in Stainless Steel and a choice of Colored Porcelain.

A. G. A. & U. L. APPROVED.

**REFRIGERATOR—FREEZER**

Complete line of built-in combination Refrigerator-Freezers, equipped with two condensing units. No special cabinet required. Choice of 12 different models.

**RANGE HOOD**

- Complete with Light • Removable Filter • Simple to install • Silent, powerful exhaust, located Center, Right or Left • Stainless Steel or Baked Enamel • 36" and 42" Widths.

**GRAY & DUDLEY COMPANY**

2300 Clifton Road, Nashville, Tennessee  
Gentlemen:

Please send me without obligation complete Catalogue and Data on the Martha Washington Line.

NAME .....

ADDRESS .....

CITY ..... ZONE ... STATE .....

**GRAY and DUDLEY COMPANY**

2300 CLIFTON ROAD • NASHVILLE, TENNESSEE • ESTABLISHED 1862

ALL MODELS AND SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE.

Today's most complete selection of Built-In Ranges & Ovens.

# PAINTS, FINISHES, WATERPROOFING

## Paints and Finishes

### Suggested Exterior Color Schemes

If the roof of the house is 		GRAY						GREEN						RED				BROWN				BLUE									
You can paint the body 		White	Gray	Cream-yellow	Pale green	Dark green	Puffy	Dull red	White	Gray	Cream-yellow	Pale green	Dark green	Beige	Brown	Dull red	White	Light gray	Cream-yellow	Pale green	Dull red	White	Buff	Pink-beige	Cream-yellow	Pale green	Brown	White	Gray	Cream-yellow	Blue
... and the trim or shutters and doors	Pink	X	X		X	X	X	X				X	X																		
	Bright Red	X	X	X					X	X							X	X	X	X											
	Red-orange	X	X			X			X	X	X	X									X				X	X	X	X	X	X	
	Tile red	X	X	X	X	X			X	X	X	X					X	X	X	X	X	X	X	X			X	X			
	Cream	X			X		X		X	X		X	X	X					X						X		X	X			
	Bright yellow	X	X	X	X	X			X	X	X	X	X	X							X				X	X		X	X	X	
	Light green	X	X		X		X		X	X	X	X	X	X					X	X											
	Dark green	X	X	X	X	X			X	X	X	X	X				X	X			X	X	X	X	X						
	Grey-green	X	X	X	X	X			X	X		X	X	X					X	X	X	X	X	X							
	Blue-green	X	X						X				X				X	X	X	X	X	X	X								
	Light blue	X	X						X																			X	X	X	
	Dark blue	X	X			X			X				X					X		X							X	X	X		
	Blue-gray	X	X		X	X			X	X		X	X				X	X		X									X		
	Violet	X	X						X										X												
Brown					X			X	X									X	X	X	X	X									
White		X	X	X	X	X		X	X	X	X	X	X	X		X	X	X		X		X		X		X	X	X	X		

### What to use ... and where

**X** Black dot indicates that a primer or sealer may be necessary before the finishing coat (unless surface has been previously finished).

	House Paint	Transparent Sealer	Center Base Paint	Rubber Base Paint	Exterior Clear Finish	Aluminum Paint	Wood Stain	Roof Cement	Asphalt Emulsion	Metal Roof Paint	Trim-and-Trellis Paint	Spar Varnish	Porch-and-Deck Paint	Metal Primer
Clapboard Siding	X.				X									X
Brick	X.	X	X	X	X									X
Cement & Cinder Block	X.	X	X	X	X									X
Asbestos Cement	X.		X											X
Stucco	X.	X	X	X	X									X
Natural Wood Siding & Trim				X	X					X				
Metal Siding	X.				X.						X.			X
Wood Frame Windows	X.				X						X.			X
Steel Windows	X.				X.						X.			X
Aluminum Windows	X.				X						X.			X
Shutters & Other Trim	X.										X.			X
Canvas Awnings											X			
Wood Shingle Roof						X								
Metal Roof									X.					X
Coal Tar Felt Roof							X	X	X					
Wood Porch Floor														X
Cement Porch Floor				X										X
Copper Surfaces											X			X
Galvanized Surfaces	X.			X.						X.	X			X
Iron Surfaces	X.			X.						X.				X

### Tips on Color

If you have:	And you want:	Do this:
Blue	Dark Blue	Add Black
Blue	Light Blue	Add White
Green	Deep Green	Add Blue or Black
Green	Light Green	Add Yellow or White
Green	Olive	Add Blue and Red
Orange	Brown	Add Blue
Red	Dark Red	Add Black
Red	Light Red	Add Orange
	(not Pink)	
Red	Brown	Add Green

### Primary and Secondary Mixtures

Red plus Yellow makes Orange  
 Yellow plus Blue makes Green  
 Blue plus Red makes Purple  
 Orange plus Green makes Citron  
 Green plus Purple makes Olive  
 Purple plus Orange makes Russet  
 (Try a small sample first for desired color)

### Natural Finishes

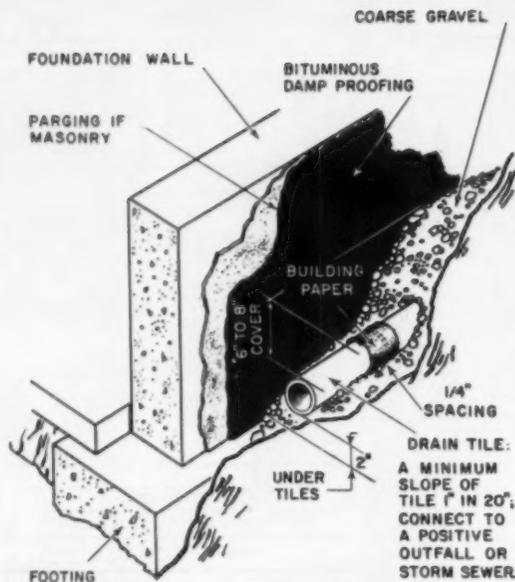
The following are natural-finish systems for outdoor use on redwood. **WATER REPELLENTS:** Easy to apply. Easy and inexpensive to maintain. No special preparation required prior to refinishing. Field experience indicates that paintable water-repellent preservatives provide the most satisfactory natural treatment for exterior redwood. Products meeting requirements of Federal Specifications TT-W-572 should prove satisfactory. **BLEACHES** and **FLAT-PIGMENTED STAINS:** Easy to apply. Easy and inexpensive to maintain. No special preparation required prior to refinishing. While these finishes give good service when applied to dressed surfaces, they may be expected to last over twice as long when applied to sawn surfaces. **GLOSSY STAIN-AND-CLEAR COMBINATIONS** and **GLOSSY CLEARS:** These are film-forming finishes and must be applied carefully to a properly prepared surface in order to obtain satisfactory results. If these finishes are used in protected locations, they may be expected to give good service. They should be used on exposed areas only with the realization that they may be expected to require maintenance in less than two years and that, after one or two maintenance coats, special surface preparation, involving complete removal of the old finish, probably will be required. For complete information and recommended products, write to the California Redwood Assn., 576 Sacramento St., San Francisco 11, Calif.

For additional information on natural finishes, see FHA Minimum Property Standards, Section 910, Painting and Decorating, or write The National Paint, Varnish and Lacquer Assn., 1500 Rhode Island Ave., N. W., Washington 5, D. C.

Tables Courtesy National Paint, Varnish and Lacquer Assn.

# PAINTS, FINISHES, WATERPROOFING

## Waterproofing and Dampproofing



Placement of the drain tile has FHA approval for minimum acceptable protection. For maximum protection, tile should be laid on the same plane as footing. Joint between foundation and footing should be flashed.

### FHA REQUIREMENTS

Foundations or footing drains connected to a positive outfall shall be provided around foundations enclosing basements or habitable spaces below grade. Install at or below area to be protected.

Clay or concrete drain tile shall comply with ASTM C-4 or ASTM C-412, or tile may be asbestos cement or bituminized-fiber pipe.

Drain tile shall be installed having a minimum slope of 1/2 per cent (approximately 1 inch in 20 feet). Protect top of joints in drain tile with 6 to 8 inches of coarse gravel or crushed rock or blast-furnace slag. Provide approximately 2 inches of aggregate material under tile.

Foundation drains may be omitted, when acceptable to FHA field office, in locations where well-drained soil exists or where ground or surface water will not present a problem.

Exterior foundation walls of masonry or of double-formed concrete enclosing basement or habitable space below grade shall be dampproofed.

### masonry foundation walls

- Apply at least 1 coat of Portland cement parging to wall from footing to finish grade. Minimum thickness, 3/8 inch.
- Apply at least 1 coat of bituminous dampproofing material over parging. Apply at rate recommended by the manufacturer. Bituminous materials shall comply with 712-1 (FHA Minimum Property Standards).

### concrete foundation walls

Apply at least 1 coat of bituminous dampproofing material to wall from footing to finish grade. Apply at rate recommended by manufacturer. Bituminous materials shall comply with 712-1 (FHA Minimum Property Standards).

Foundation dampproofing may be omitted, when acceptable to FHA field office, in locations where well-drained soil exists or where ground surface water will not present a problem.

### Masonry water-repellent Specifications

#### material

Shall be a clear, colorless solution in mineral thinner and shall have a flash point of not less than 90° F. It shall have a solids content of not less than 5%, of which 100% shall be silicone resin.

The water-repellent material shall not have an obnoxious odor either in the container or during application. It shall be of such consistency that it may be applied readily at sub-freezing temperatures, and shall leave no visible film after application.

#### scope

It shall be used on all exterior above-grade masonry surfaces such as concrete, brick, stucco, concrete block, porous tile, stone and mortar joints in all types of masonry structures.

#### surface preparation

Clean all surfaces to be treated until free of dirt, excess mortar, loose particles and all other foreign material. Remove salt deposits from previous efflorescence, by washing with dilute acid solution, such as muriatic, followed by thorough flushing with water. Grease or oil stains may be removed with mineral solvents, caustic cleaning compounds or detergent solution, followed by rinsing with clear water. Repoint all joints where mortar is loose or missing. Repair all holes and cracks larger than hairline. If surfaces to be treated have been wetted by rain or copious amounts of water in the cleaning process, at least two days drying, under favorable conditions, should be allowed before application of the water repellent treatment. New masonry requires 2 to 3 weeks drying under normal conditions before application of a water repellent.

#### application

Preferred application is by low spray, not exceeding 10 psi at the gun and the lowest possible fluid pressure that will maintain a continuous flow of material. Keep nozzle of gun approximately 6 inches from the wall and make final pressure adjustment to completely eliminate or minimize splashing and formation of a mist or fog. The water repellent should be flooded on to the surface to the point of maximum absorption, as indicated by a run-down of six to twelve inches or more, depending upon the denseness of the masonry. Application should be made at the rate of 75-100 square feet per gallon on masonry of normal porosity. On dense masonry which will not accept and absorb the water repellent at that rate, the coverage may be extended to a maximum of 175-200 square feet per gallon. In such situations, two coats may be desired. At least two to four hours under good drying conditions should be allowed between coats.

Application by brushing is satisfactory if care is taken to apply a liberal enough coat to meet recommended coverage rate. Roller application at the same rate is also satisfactory if the surface is smooth enough for all areas to be reached. Most often, however, in masonry construction the mortar joints are inset to such an extent that low pressure spray or brush application is the only practical satisfactory method of application. The same would apply to coarse texture stucco.

Overspray or splashing on other exterior oil or water based paints is harmless and may be left without damage. The water repellent may be removed from glass or hardware at any convenient time with a cloth dampened with paint thinner.

#### safety precautions

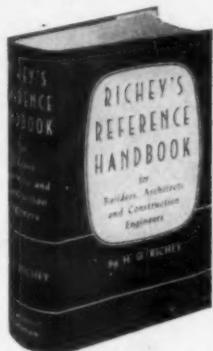
A dilute water-repellent solution prepared as indicated under "Material" constitutes no more of a hazard than any ordinary architectural paint when normal precautions are taken and "good housekeeping" is practiced. Because of the high-solvent concentration, prolonged breathing of vapors should be avoided and the usual precautions against fire should be observed. When spraying the water repellent, even at the recommended low pressures, the operator should be protected with goggles and a respirator that will prevent the passage of solvent mist or fog, which, when inhaled, is very toxic.

Courtesy: General Electric Co.

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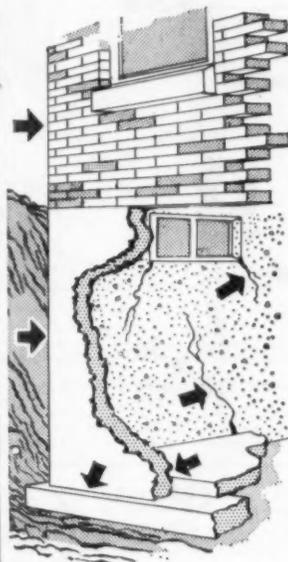
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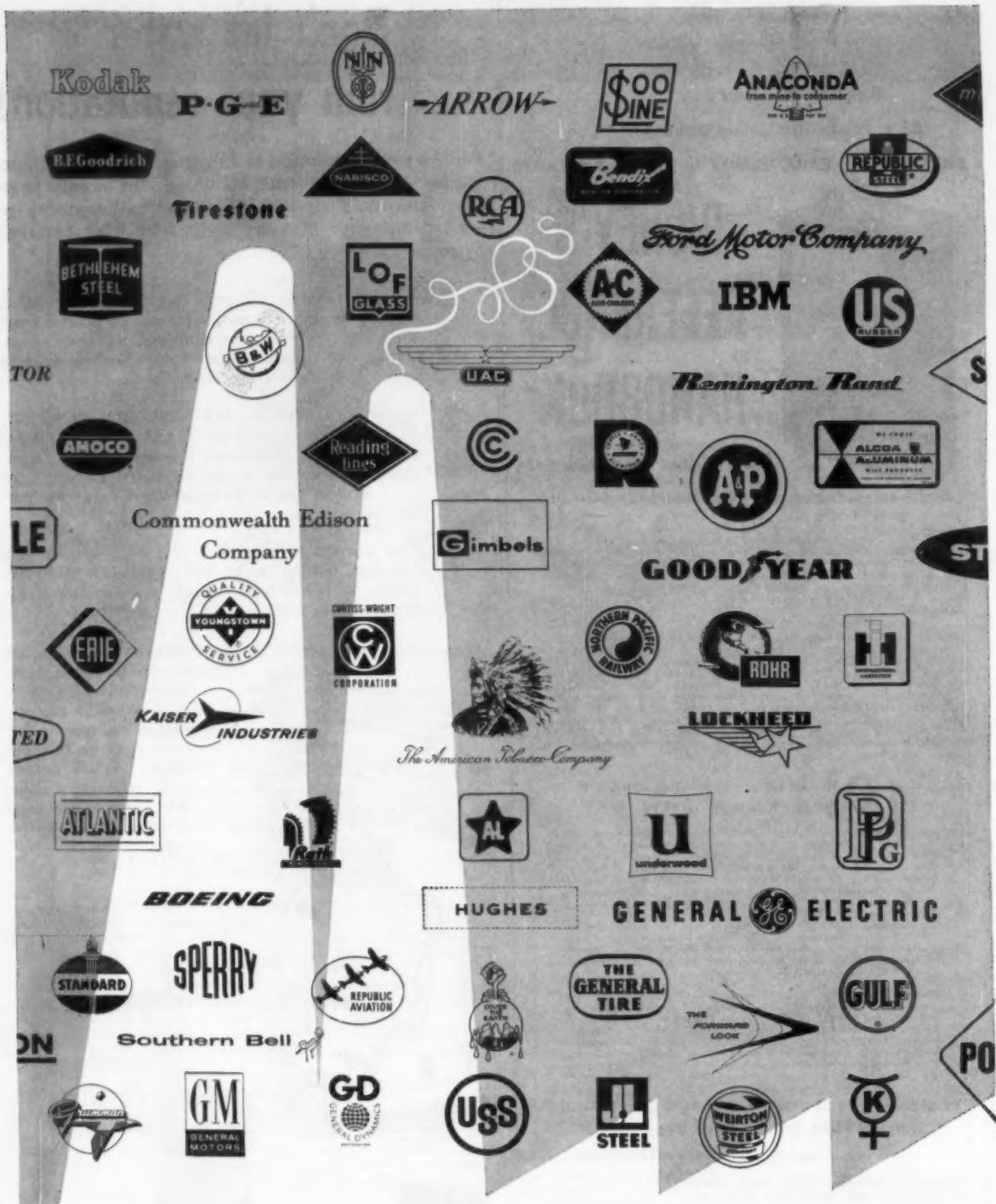
- 1 THOROCLEAR 777 gives invisible protection to your new brick. Prevents water stained plaster, keeps brickwork dry and clean, eliminates the cause of unsightly efflorescence. *Certainly extra features to point out to your prospective buyer.*
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# TOOLS, EQUIPMENT

## Power Tool Wire Data

Recommended Extension Cord Sizes for Use with Portable Electric Tools

Name-plate Amperes	CORD LENGTH IN FEET																			
	25	50	75	100	125	150	175	200	225	250	275	300	325	350	375	400	425	450	475	500
1	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	14
2	16	16	16	16	16	16	16	16	16	14	14	14	14	14	14	12	12	12	12	12
3	16	16	16	16	16	16	14	14	14	14	12	12	12	12	12	10	10	10	10	10
4	16	16	16	16	14	14	14	12	12	12	12	12	12	10	10	10	10	10	10	10
5	14	14	14	14	14	14	12	12	12	12	10	10	10	10	10	8	8	8	8	8
6	14	14	14	14	14	12	12	12	10	10	10	10	10	8	8	8	8	8	8	8
7	14	14	14	14	12	12	12	10	10	10	10	8	8	8	8	8	8	8	8	8
8	14	14	14	14	12	12	10	10	10	10	8	8	8	8	8	8	8	8	8	8
9	14	14	14	12	12	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8
10	14	14	14	12	12	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8
11	12	12	12	12	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8
12	12	12	12	12	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8
13	12	12	12	12	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8
14	10	10	10	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8
15	10	10	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
16	10	10	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
17	10	10	10	10	10	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
18	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
19	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
20	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8

NOTE: Wire sizes shown are A. W. G. (American Wire Gauge).

Table courtesy of Thomas Y. Crowell Co.

115 Volt D.C., or A.C. — Unity Power Factor. 2% Voltage Drop (2.3 Volts)

Watts	WIRE SIZE Amperes at 115 V.	*Distances						
		#14	#12	#10	#8	#6	#2	
100	.87	510	810	1280	2040	3250	5300	8200
200	1.74	255	405	640	1020	1625	2650	4100
300	2.61	170	270	430	680	1080	1770	2730
400	3.48	125	200	320	510	810	1325	2050
500	4.35	100	160	255	410	650	1060	1640
750	6.52	65	100	170	275	430	710	1090
1000	8.69	50	80	125	205	325	530	820
1500	13.04	35	55	85	140	215	350	550
2000	17.38	25	40	65	100	160	265	410
2500	21.73	20	35	50	80	130	210	350
3000	26.07	15	25	40	65	110	180	275
3500	30.42	....	22	35	60	90	150	235
4000	34.76	....	20	30	50	80	130	210
4500	39.11	....	15	28	45	70	115	170
5000	43.46	....	....	25	40	65	105	160
6000	52.14	....	....	20	35	55	85	135
7000	60.83	....	....	....	28	45	75	115
8000	69.52	....	....	....	25	40	65	100
9000	78.22	....	....	....	....	35	55	90
10000	86.91	....	....	....	....	30	50	80

\*Above figures represent a one-way distance in feet for a 2 wire run. If a 4% voltage drop is permissible, double the distance listed.

If only 1% voltage drop is allowable divide the distance listed by 2.

SINGLE-PHASE 115-Volt A.C. — Use 115 Volt table above.

SINGLE-PHASE 115/230-Volt A.C., 3 Wire — Use 115 Volt table above for each 115 Volt circuit.

SINGLE-PHASE 230-Volt A.C. — In table above, use Watts column, multiply distances by 4, or use Amperes column, multiply distances by 2.

SINGLE-PHASE 440-Volt circuit — In table above, use Watts column, multiply distances by 16, or use Amperes column, multiply distances by 4.

115 Volt D.C. — Use 115 Volt table above.

230 Volt D.C. — In table above, use Watts column, multiply distances by 4, or use Amperes column, multiply distances by 2.

**THREE PHASE SYSTEMS**

1. Three-phase 230-volt circuit.—Multiply the distances in the 115 volt table No. 6A by 2 1/4 for the same load. Use the Amps column.

2. Three-phase 440-volt circuit.—Multiply the distances in the 115 volt table No. 6A by 4 1/2 for the same load. Use the Amps column.

3. Single-phase 120-volt circuit.—Use the distances in the 115 volt table No. 6A. Use the Amps column.

TYPICAL RUNNING CURRENT REQUIREMENTS OF MOTORS

HORSE POWER	115 V 1 Phase A.C.		230 V 1 Phase A.C.		230 V 3 Phase A.C.		115 V D.C.		230 V D.C.	
	C	W	C	W	C	W	C	W	C	W
	1/8	2.6	14	1.3	14					
1/6	3.2	14	1.6	14						
1/4	4.6	14	2.3	14			3.0	14		
1/3	6.0	14	3.0	14			3.8	14		
1/2	7.4	14	3.7	14	2.0	14	4.6	14	2.3	14
3/4	10.2	14	5.1	14	2.8	14	6.6	14	3.3	14
1	13.0	12	6.5	14	3.5	14	8.6	14	4.3	14
1-1/2	18.4	10	9.2	14	5.0	14	12.6	12	6.3	14
2	24.0	10	12.0	14	6.5	14	16.4	10	8.2	14
3	34.0	6	17.0	10	9.0	14	24.0	10	12.0	14
5	56.0	4	28.0	8	15.0	12	40.0	6	20.0	10
7-1/2					22.0	10	58.0	3	29.0	8
10					27.0	8	76.0	2	38.0	6

C = Full Rated Load Current in amperes (Amperes while starting are MUCH higher)  
 W = Minimum Wire Size permitted by Code; larger sizes often required — Check Distance for Voltage Drop.

# TOOLS, EQUIPMENT

## Drill Size Data

### LETTER SIZE DRILLS

Letter	Diam.								
A	.234	G	.261	L	.290	Q	.332	V	.377
B	.238	H	.266	M	.295	R	.339	W	.386
C	.242	I	.272	N	.302	S	.348	X	.397
D	.246	J	.277	O	.316	T	.358	Y	.404
E	.250	K	.281	P	.323	U	.368	Z	.413
F	.257								

### NUMBER SIZE DRILLS

No.	Dia.								
1	.2280	17	.1730	33	.1130	49	.0730	65	.0350
2	.2210	18	.1695	34	.1110	50	.0700	66	.0330
3	.2130	19	.1660	35	.1100	51	.0670	67	.0320
4	.2090	20	.1610	36	.1065	52	.0635	68	.0310
5	.2055	21	.1590	37	.1040	53	.0595	69	.0292
6	.2040	22	.1570	38	.1015	54	.0550	70	.0280
7	.2010	23	.1540	39	.0995	55	.0520	71	.0260
8	.1990	24	.1520	40	.0980	56	.0465	72	.0250
9	.1960	25	.1495	41	.0960	57	.0430	73	.0240
10	.1935	26	.1470	42	.0935	58	.0420	74	.0225
11	.1910	27	.1440	43	.0890	59	.0410	75	.0210
12	.1890	28	.1405	44	.0860	60	.0400	76	.0200
13	.1850	29	.1360	45	.0820	61	.0390	77	.0180
14	.1820	30	.1285	46	.0810	62	.0380	78	.0160
15	.1800	31	.1200	47	.0785	63	.0370	79	.0145
16	.1770	32	.1160	48	.0760	64	.0360	80	.0135

### DECIMAL EQUIVALENTS

1/64 = .015625	1/4 = .250	1/2 = .500	3/4 = .750
1/32 = .03125	17/64 = .265625	33/64 = .515625	49/64 = .765625
3/64 = .046875	9/32 = .28125	17/32 = .53125	25/32 = .78125
	19/64 = .296875	35/64 = .546875	51/64 = .796875
1/16 = .0625	5/16 = .3125	9/16 = .5625	13/16 = .8125
5/64 = .078125	21/64 = .328125	37/64 = .578125	53/64 = .828125
3/32 = .09375	11/32 = .34375	19/32 = .59375	27/32 = .84375
7/64 = .109375	23/64 = .359375	39/64 = .609375	55/64 = .859375
1/8 = .125	3/8 = .375	5/8 = .625	7/8 = .875
9/64 = .140625	25/64 = .390625	41/64 = .640625	57/64 = .890625
5/32 = .15625	13/32 = .40625	21/32 = .65625	29/32 = .90625
11/64 = .171875	27/64 = .421875	43/64 = .671875	59/64 = .921875
3/16 = .1875	7/16 = .4375	11/16 = .6875	15/16 = .9375
13/64 = .203125	29/64 = .453125	45/64 = .703125	61/64 = .953125
7/32 = .21875	15/32 = .46875	23/32 = .71875	31/32 = .96875
15/64 = .234375	31/64 = .484375	47/64 = .734375	63/64 = .984375

# TOOLS, EQUIPMENT

## Screw and Abrasive Charts

### Screw Chart—Drill and Bit Sizes

SIZE OF SCREW		0	1	2	3	4	5	6	7	8	9	10	11	12	14	16	18	20	24	
SHANK HOLES	Drill number or letter	52	47	42	37	32	30	27	22	18	14	10	4	2	D	I	N	P	V	
	Drill Size nearest fraction	$\frac{1}{8}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{5}{16}$ "	$\frac{3}{8}$ "	$\frac{7}{16}$ "	$\frac{1}{2}$ "	$\frac{9}{16}$ "	$\frac{5}{8}$ "	$\frac{11}{16}$ "	$\frac{3}{4}$ "	$\frac{13}{16}$ "	$\frac{7}{8}$ "	$\frac{1}{2}$ "	$\frac{15}{16}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{13}{16}$ "	$\frac{3}{8}$ "
PILOT HOLES	Hard Wood	Drill number or letter	70	66	56	54	52	49	47	44	40	37	33	31	30	25	18	13	4	1
		Drill Size nearest fraction	$\frac{1}{8}$ "	$\frac{1}{8}$ "	$\frac{3}{16}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{5}{8}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{1}{4}$ "	$\frac{1}{8}$ "
	Soft Wood	Drill number or letter	75	71	65	58	55	53	52	51	48	45	43	40	38	32	29	26	19	15
		Drill Size nearest fraction	$\frac{1}{8}$ "	$\frac{1}{8}$ "	$\frac{1}{8}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{1}{4}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{8}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	$\frac{3}{4}$ "	$\frac{1}{2}$ "	$\frac{1}{4}$ "	$\frac{1}{8}$ "
AUGER BIT FOR COUNTERSINK (By 16ths)		—	—	3	4	4	4	5	5	6	6	6	7	7	8	9	10	11	12	

### Abrasive Chart for Use with Portable Sanders

WOODS	Roughing	Finishing	Fine Finishing
OAK	2½ to 1½A	½ to 1/0G	2/0 to 4/0G
MAPLE	2½ to 1A	½ to 1/0G	2/0 to 4/0G
BIRCH	2½ to 1A	½ to 1/0G	2/0 to 4/0G
WALNUT	2½ to 1½A	½ to 1/0G	2/0 to 4/0G
MAHOGANY	2½ to 1½A	½ to 1/0G	2/0 to 3/0G
GUM	2½ to 1½A	½ to 1/0G	2/0 to 3/0G
CURLY MAPLE	2½ to 1½A	½ to 1/0G	2/0 to 4/0G
CYPRESS	2½ to 1½A	½ to 1/0A	2/0G
INDOAKO	1½A	½ to 1/0G	2/0 to 4/0G
FIR	1½ to 1A	½ to 1/0G	2/0G
WHITE PINE	1½ to 1G	1/0G	2/0G
YELLOW PINE	2 to 1½SA	½G	1/0G
WILLOW	2A	½ to 1/0G	2/0G
Removing Paint and Varnish	3½ to 2½SA Spaced Grain	A solution of three parts kerosene and one part light lubricating oil wiped lightly over varnished surface before sanding will increase belt service.	

Symbols: G—Garnet for soft wood. A—Artificial for hard wood. SA—Spaced for paint or varnish.

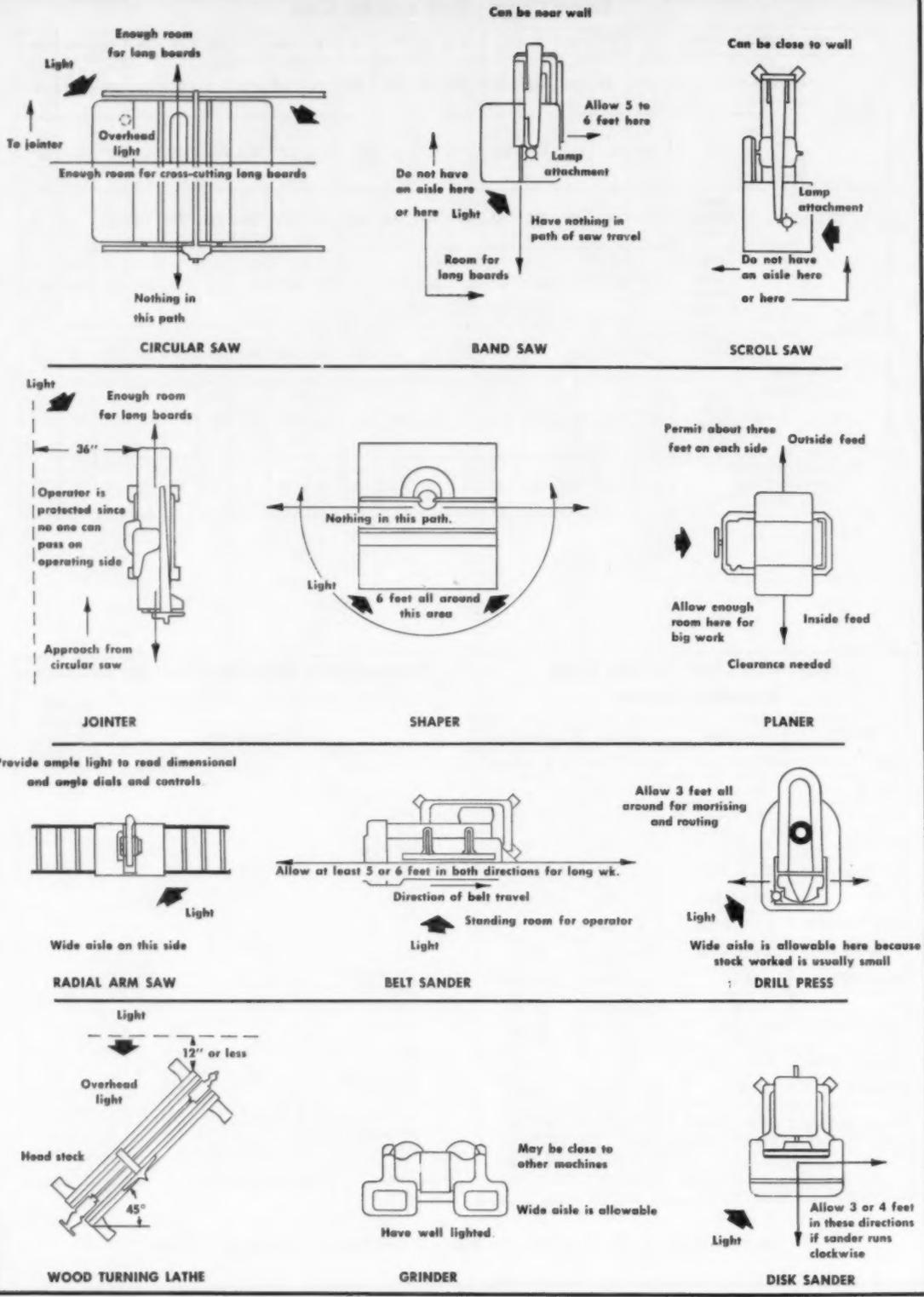
### Comparative Grading Chart for Abrasives

GRAIN SIZE (mesh)	CORUNDUM AND EMERY CLOTH	FLINT PAPER	GARNET, SILICON CARBIDE, ALUMINUM OXIDE
320 (very fine)			10/0
240 " "		5/0	7/0
220 " "		4/0	6/0
200 (fine)		3/0	
180 " "	3/0		5/0
150 " "	2/0		4/0
136 " "		2/0	
120 " "			3/0
110 " "	0	0	
100 " "			2/0
90 (medium)	½	½	
80 " "	1		0
70 " "	1½	1	
60 " "			½
56 " "	2		
50 " "		1½	1
40 (coarse)	2½	2	1½
36 " "			2
30 " "	3	3	2½
24 (very coarse)			3
20 " "			3½
16 " "			4

From "How to Use Portable Power Tools" by Maurice H. Reid, Thomas Y. Crowell Co., Publisher

# TOOLS, EQUIPMENT

## Shop Layout For Wood Working Machines



# OLIVER



## MECHANIZES MORE OF YOUR JOBS--THE OLIVER OC-46



The Oliver OC-46 is the integrated, heavy-duty  $\frac{3}{4}$ -yd. loader—engineered and built as a single unit. Compact design eases close-quarter work. Long, 46"-wide tracks assure stability. Design provides a high dump, a long reach. Gas or diesel power.

Here's the rig that earns for you from start to finish of your building jobs. The Oliver OC-46 loader-back hoe tackles more work for its compact, practical size than you can imagine—loads materials; digs sewers, water lines, footings, foundations or dozens of other jobs. It saves the waiting and higher costs of outside help.

The Oliver OC-46 Hydro-Jet back hoe digs to 12'7", loads to 9'6". Special swing-cushioning valve and Jet-O-Matic controls give smooth, easy, instant action of dipper and boom. Back hoe mounts or demounts in only 90 seconds.

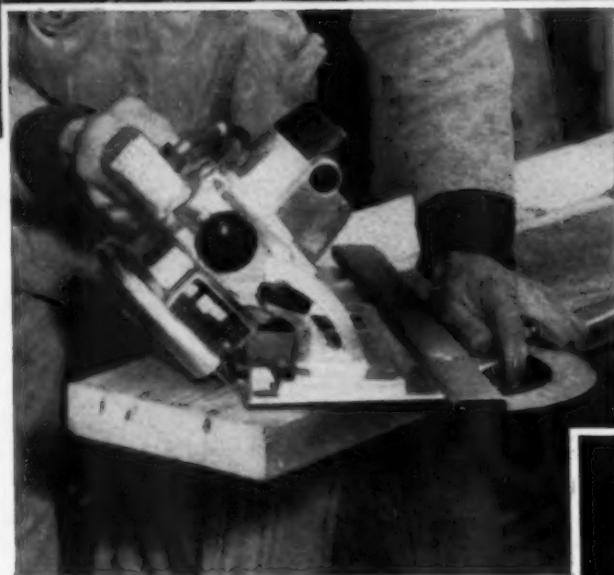
New "Spot-Turn" clutch steering is now standard equipment—for faster close-quarter maneuverability, easier operation. Try it and see the difference. Ask your Oliver distributor to demonstrate—on your own job. Or write for literature.



**THE OLIVER CORPORATION**

Industrial Division, 19300 Euclid Ave., Cleveland 17, Ohio

*a complete line of industrial wheel and crawler tractors and matched allied equipment*



**▲ CUT ACCURATE ANGLES FAST**

This 7" all-purpose circular saw is ideal for every cutting operation because of its lightweight, exceptionally powerful motor, kickproof clutch, and positive control.

**MODEL 115A \$84<sup>95</sup>**

**CUT MASONRY**

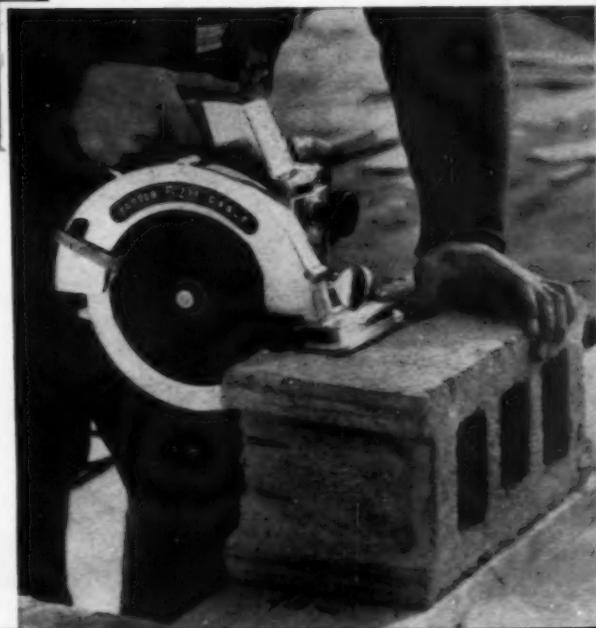
With abrasive blade the rugged PORTER-CABLE Model 528 slices through transite, cinder block, stone, and compositions. It has all of Porter-Cable's exclusive features including instant one-handed depth and bevel adjustment, sawdust blower to keep cutting line clear, kickproof and gear lubricator. 8 1/4" blade.

**MODEL 528 \$140<sup>00</sup>**  
(Extra Heavy Duty)

**▲ ZIP THRU OVERHANG**

Here's a saw with all the heavy-duty features, yet so easy-to-handle that it's recommended for tough all-day jobs where light weight is an important factor. Its 6 3/4" dia. blade handles any cut including compound miters in 2" dressed lumber at 45°. Safety telescoping guard prevents jamming or binding on bevel or miter cuts. King-size lever for retracting guard for pocket cuts.

**MODEL 146A \$74<sup>95</sup>**



# HOW TO BEAT CONSTRUCTION SCHEDULES

## ... use Porter-Cable!

With accurate, fast-cutting PORTER-CABLE Power Saws you can speed any construction job. From cutting rafters to making pocket cuts in walls or floors — Porter-Cable saws do it faster, better, and for less.

And "heavy duty" and "trouble-free" isn't just sweet talk. PORTER-CABLE Power Saws are built to handle the toughest time-busting schedules.

Take a close look at these professional saws at your Porter-Cable dealer . . . note the quality and job-tested features . . . ask for a demonstration or write for literature.

### FOR INTRICATE CUTS, KEYHOLES, AND A THOUSAND USES

The Porter-Cable Bayonet Saw is a new, versatile tool for builders, contractors, and cabinet shops. The rapid orbital action cuts a wide variety of materials from hard to soft woods, ferrous and non-ferrous metals, all kinds of composition materials — it makes straight or angle cuts . . . even plunge cuts with no starting hole. Capacity: 2" wood, 3/4" aluminum, 1/4" steel.

MODEL 548 **\$9950**  
(Extra Heavy Duty)



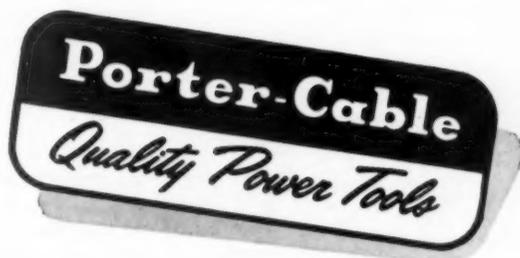
## The Most Complete Line of Builders' Power Saws!

### PORTER-CABLE MACHINE COMPANY

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Syracuse 4, New York

Write for full line folder and name of  
nearest dealer

SAWS • BELT SANDERS • FINISHING SANDERS  
DRILLS • ROUTERS • PLANES



—there's a BERGER instrument  
for every builder...every budget



**MASTER BUILDER CONVERTIBLE  
TRANSIT-LEVEL — Model 320**

22-power telescope; coated optics, 3-ft. short focus. Horizontal circle and vertical arc read to 5 min. Sliding bar-type level lock. \$229.50\*



**SPEED-A-LINER BUILDERS  
TRANSIT-LEVEL — Model 200**

New brilliant optical system. Horizontal circle; vertical arc. Plate and telescope fine motion controls. Built-in sunshade. \$99.75\*



**HEAVY DUTY 12" DUMPY LEVEL  
Model 150**

24-power coated optics. Dust protected horizontal circle and vernier reads to 5 min. Rugged, accurate center construction. \$174.95\*



**SERVICE DUMPY LEVEL  
Model 110**

12-power. Horizontal circle reads in degrees. Micrometer tangent screw and clamp for "on target" pointing. Underlying level vial. \$54.95\*



**SPEED-A-LINER DUMPY LEVEL  
Model 190**

Internal focusing 11 1/2" telescope. Circle reads in degrees. Built-in sunshade. 4-screw fully enclosed, dust-proof leveling head. \$59.95\*



**SERVICE TRANSIT-LEVEL  
Model 143**

Reinforced one-piece yoke frame. 10-power. Fine motion controls on horizontal circle and telescope. Telescope and plate vial. \$92.95\*

\*Prices include stiff leg tripod, plumb bob and case—F.O.B. Factory

Other Berger low-cost, easy-to-use instruments include:

DUPLEX Tilting Level \$69.95; SIGHT "n" SURFACE Pocket Level \$3.85

**MAIL COUPON FOR DETAILS**

C. L. BERGER & SONS, INC., 47 Williams St., Boston 19, Mass.

Send me literature on

Convertible  12" Dumpy Level  SPEED-A-LINER Transit-Level

SPEED-A-LINER Dumpy Level  Service Transit-Level

Service Dumpy Level  Duplex Tilting Level  Pocket Level

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Shopping Centers Institute, 435 N. Michigan Ave., Chicago 11, Ill.

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Society of Residential Appraisers, 7 S. Dearborn St., Chicago 3, Ill.

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Southern Pine Inspection Bureau, 520 National Bank of Commerce Bldg., P. O. Box 1170, New Orleans 4, La.

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Stained Glass Association of America, 822 Wilmington Ave., St. Louis 11, Mo.

Staple & Stapling Machine Manufacturers Association, 75 West St., New York 6, N. Y.

Steam Heating Equipment Manufacturers Association, Barnes & Jones, Inc., Jamaica Plain, Boston, Mass.

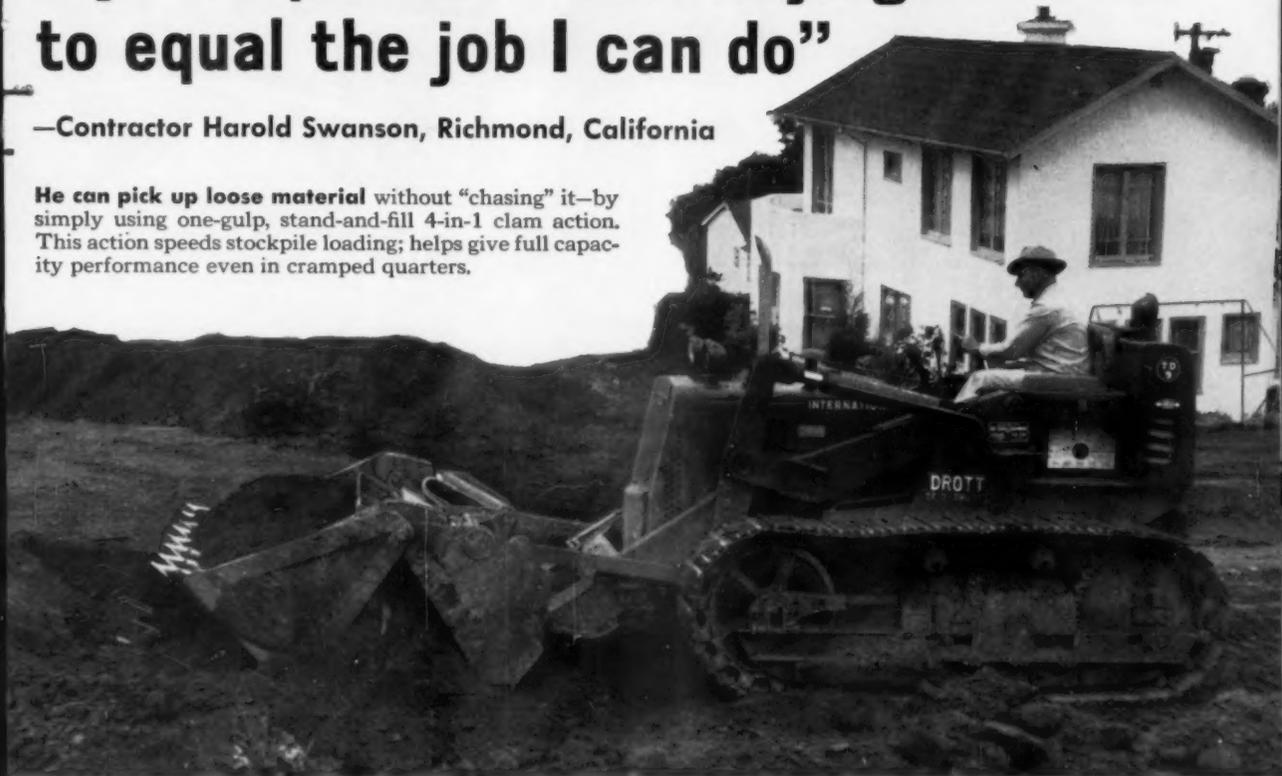
Steel Boiler Institute, Land Title Bldg., Philadelphia 10, Pa.

(Continued on page 432)

# "My competitors are buying 4-in-1's to equal the job I can do"

—Contractor Harold Swanson, Richmond, California

He can pick up loose material without "chasing" it—by simply using one-gulp, stand-and-fill 4-in-1 clam action. This action speeds stockpile loading; helps give full capacity performance even in cramped quarters.



He can grade with accuracy using 4-in-1 "carry-type scraper" action to let the dirt boil in. With this same action he can strip sod; skim-off layers of materials. And he can regulate clam lip opening to spread materials precisely!

Tremendous excavating power of exclusive pry-over shoe break-out action is at his fingertip command. The full-time performance protection of exclusive shock-swallowing Hydro-Spring is on constant duty, reducing upkeep; adding operating comfort. No wonder Contractor Harold Swanson, Richmond, California, reports: "The International Drott 4-in-1 is one reason I'm still in business. My competitors prove how effective it is buying 4-in-1's to equal the job I can do." See what big advantages the exclusive clam-action 4-in-1 can give you in capacity and versatility unlimited! See your International Drott Distributor for a demonstration!

He can roll the earth with the 4-in-1's big capacity bulldozer action—obtained by lifting the 4-in-1's clam lip hydraulically and regulating depth of cut by radius control. There's blade curvature for live dirt action; strength for hard dozing.

International Harvester Company, Chicago 1, Illinois  
Drott Manufacturing Corp., Milwaukee 15, Wisconsin



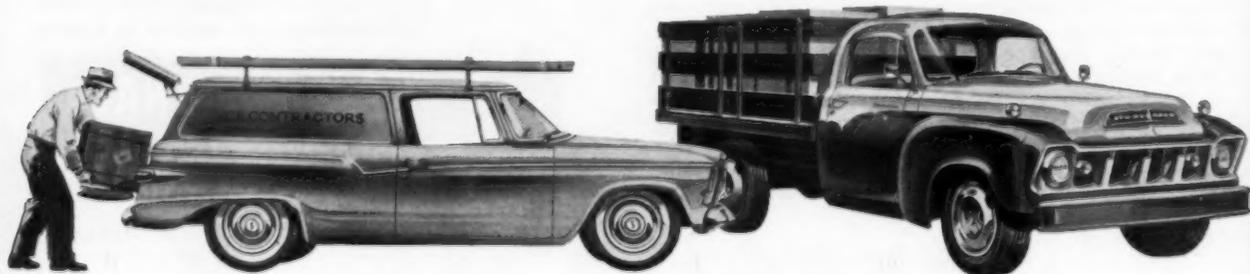
**INTERNATIONAL**  
**DROTT**



# STUDEBAKERS ARE THE MOST THE ROAD REDUCE YOUR OVERHEAD AND INCREASE

**THE STUDEBAKER PANEL WAGON.** Positively the most economical way to carry tool boxes, kegs of nails, plumbing fixtures—anything up to 1,000 lbs. in its 93 cubic foot cargo area. Engine choice of "6" or V-8; transmission choice of synchromesh or automatic. Advertising panels are easily removed to convert to the new Lark 8-passenger Play Wagon. Economical to buy and operate, the Studebaker Panel Wagon is a "best buy."

**STUDEBAKER 4 X 4's.** Spring thaw mud won't stop rugged Studebaker trucks equipped with four wheel drive. They're geared and powered to meet your individual requirements. Provide a source of power, too! Drive right to the job, no matter the terrain, and your Studebaker becomes a stationary power plant for power take-off devices. Four wheel drive is available on many Studebaker "Haul of Fame" trucks.





# ECONOMICAL VEHICLES ON

**YOUR PROFITS BY SELECTING FROM THIS HIGH-EFFICIENCY LINE**

"HAUL OF FAME" TRUCKS are rugged and dependable, ranging from 5,000 to 19,000 lbs. GVW. Power with economy in 4 engine choices—from 118 to 225 h.p. Plenty of torque, too, for any job. Choice of transmissions, overdrive, bodies and extras provide your truck with amazing versatility. Every Studebaker turns in an honest day's work every day on the job. Each is carefully engineered for years of hard work with minimum maintenance and continuing low costs...year after year.

THE SCOTSMAN 1/2 TON PICKUP has the lowest price tag of any full-sized truck in America. Cuts operating costs in every way. Choice of 170 or 245 cubic inch "6" or more powerful V-8's. All use low cost regular gas. The Scotsman is available with a 112 in. wheelbase with 6½ foot pickup box or 122 in. wheelbase with an 8 ft. box. Both have the widest clear floor area of any truck, plus double-thick steel sides and ribbed steel floor. Both carry 4 x 8 foot sheeting flat!

**MOVE MORE...MAKE MORE**

*with*

# STUDEBAKER

**"HAUL OF FAME" TRUCKS**

Without obligating myself, I'd like to learn more about Studebaker Vehicles.

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STUDEBAKER-PACKARD CORP./ South Bend 27, Indiana

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AB-4-59

# Contractor Saves 16 Hours per Slab On New Housing Project



1. Making first pass with 24 ft. 8 in. Stow vibrating screed. 16 man hours per slab saved by Major Building Co.



2. 4-inch slump concrete is screeded. Note the termite shield at edge of slab.



3. 1 1/2 to 2 hours after screeding, Stow G-42 Roto-Trowel used to float and finish floors.



4. Concrete consolidated in side forms with Stow DU midget vibrator.

ANSONIA, CONN. Major Building Company's Ted Ruderman needed a way to cut costs of finishing concrete slabs for his pre-fab housing projects. The old method required installation of screed supports, (1 1/2 hours of carpenter labor) and dividing each slab into three sections. The slabs were then poured, one at a time, and struck off by working two-by-fours back and forth across the slab sections.

Ruderman figured a vibrating screed would speed up the whole operation, and provide a better, smoother slab. On this job, he planned all slabs 24'8" wide, so that one screed beam would work on all, and arranged for STOW Manufacturing Company to furnish a 24'8" Model JS screed . . . with the beam notched at the ends to clear a termite guard around the outside of slab. No screed supports were necessary, since screed rollers rode on the concrete side walls. Ruderman used a STOW DU Midget vibrator to consolidate the concrete in the side forms.

Using 4" slump concrete, with nine gallons of retarder per load, Ruderman poured the concrete 4" thick, had two men raking ahead of the screed. Using this method, each 24'8" x 36'8" slab was prepared, spread, and screeded in just one hour! Later the floating and finishing job was done by a STOW G-42 Roto-Trowel.

*This reduced production time saved 16 man hours per slab! And the smoother, true-to-grade finish provided by the STOW screed enabled carpenters to set up room partitions much faster, saving even more time!*

How about you? Are you saving production time on your floor slabs?

STOW screeds are available complete, cut to any desired length. Also available, is the STOW package assembly (without beam, for contractors who want to build their own beams) which consists of 2 1/2 HP vibrating unit, brackets for engine mounting, end rollers, and handles.

Send for all the facts on STOW complete line of Concrete Equipment.

**STOW Manufacturing Co.**

Dept. B-8

142 Shear St., Binghamton, N.Y.

Please send me Catalog 580 on STOW Line of Construction Equipment.

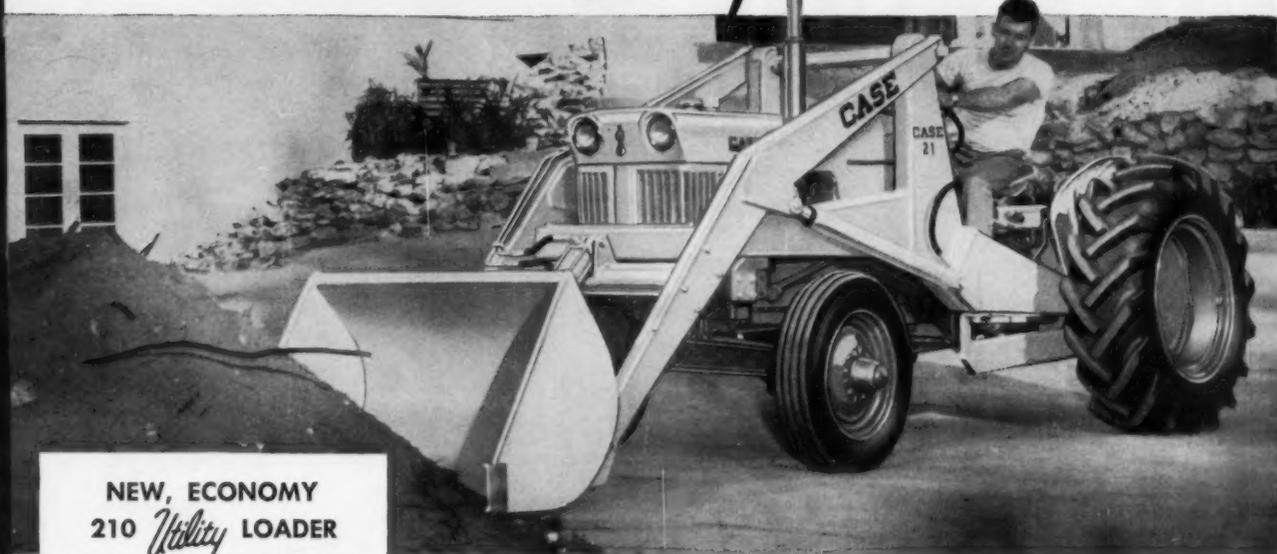
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# Cut your building cost . . . increase your profit with a **CASE** *Utility* **LOADER**



## NEW, ECONOMY 210 *Utility* LOADER

1000-lb. capacity 210 *Utility* wheel unit gives you exceptional power and stamina for fast, low-cost handling of small yardage, plus "101" odd-lot building chores. Buckets quick-change with pallet fork, dozer, crane or sweeper. Rear mounts 10' backhoe and a score of efficient tools for grading, landscaping, specialized jobs.

**\$2598<sup>00</sup>**

Case 210 *Utility* loader, with 11-cu. ft. bucket, loading out of spoil pile on \$4½ million hotel construction project. Price shown, f.o.b. factory — plus freight, taxes, installation. Price subject to change without notice.

## HUSKY, ALL-WEATHER 310 *Utility* CRAWLER

For digging small basements and handling miscellaneous dirtmoving tasks, in any footing, you'll find ¾-yd. 310 *Utility* Crawler-Loader gives you more power and traction per dollar of cost than any other crawler in its class. Takes only 5 minutes to switch to pallet fork for materials handling, or to dozer blade for backfilling, grading, spreading.



Clean-up dirt piles . . . dig trenches . . . lift bundles . . . grade drives. *How often* do you pay high-rate hand-labor for "clean-up" chores that could be mechanized for only a few dollars a day with a Case *Utility* Loader? Check the advantages this budget-priced Case unit, with quick-change attachments, gives you in wage-efficiency, in time-savings, in added profits. Mail handy coupon below for full details and free demonstration.

**CASE**<sup>®</sup>  
J. I. CASE CO., RACINE, WIS.

J. I. CASE CO., Dept. D1409 Racine, Wisconsin, U.S.A.

YES . . . send full details on *Utility* rigs checked:

- |  |         |                                  |
|--|---------|----------------------------------|
| <input type="checkbox"/> 34 hp 210 wheel   | with: { | <input type="checkbox"/> Loader  |
| <input type="checkbox"/> 42 hp 310 wheel   |         | <input type="checkbox"/> Dozer   |
| <input type="checkbox"/> 42 hp 310 crawler |         | <input type="checkbox"/> Backhoe |

Name . . . . . Position . . . . .

Company . . . . .

Address . . . . .

City . . . . . State . . . . .

CU-1-73

# NEW 2-SPEED

# SKIL



**BLADE LIFE DOUBLED.** Shoe can be repositioned easily with screw driver to use new cutting area of blade after one part is worn. Actually doubles blade life.

**CUTS CLOSE** to walls—right or left side, up or down, because of off-center blade location, reversible blade.

# RECIPRO SAW



REPLACES KEYHOLE  
AND HAND SAWS...  
CUTS 5 TO 20 TIMES FASTER

**The new SKIL 2-speed Recipro Saw** is an entirely new concept in reciprocating saw design. It cuts anything that can be sawed by hand—faster, easier and better. Does the work of keyhole, hack and hand saws 5 to 20 times quicker. It's another major development in the design of power tools by the originators of the famous SKIL SAW.

**New 2-speed feature** obsoletes all other reciprocating saws. Low speed cuts metal fast with minimum blade wear; high speed makes fastest cuts in wood and compositions. No single compromise speed. And SKIL makes a complete line of 20 Recipro Saw blades to cut virtually any material. It means the right speed plus the right blade for every job.

**New off-center blade location** allows cutting really close to walls and in tight places where only hand tools could be used before. Another plus is the reversible blade which lets you make close cuts up or down, as well as at the right or left side. And the convenient top handle is removable.

**New savings** in blade costs alone quickly pay for this new saw—because the new 2-position shoe actually doubles blade life! When one blade section is worn, you just reposition the shoe and cut with a new, unused blade section.

**New low maintenance mechanism** has only 3 main moving parts. And *all* parts subject to wear are heat-treated alloy steel. All ball-bearings throughout.

**New in idea, new in design, new in efficiency**—the all-new SKIL Recipro Saw is the most versatile, most universal portable cutting tool ever made.



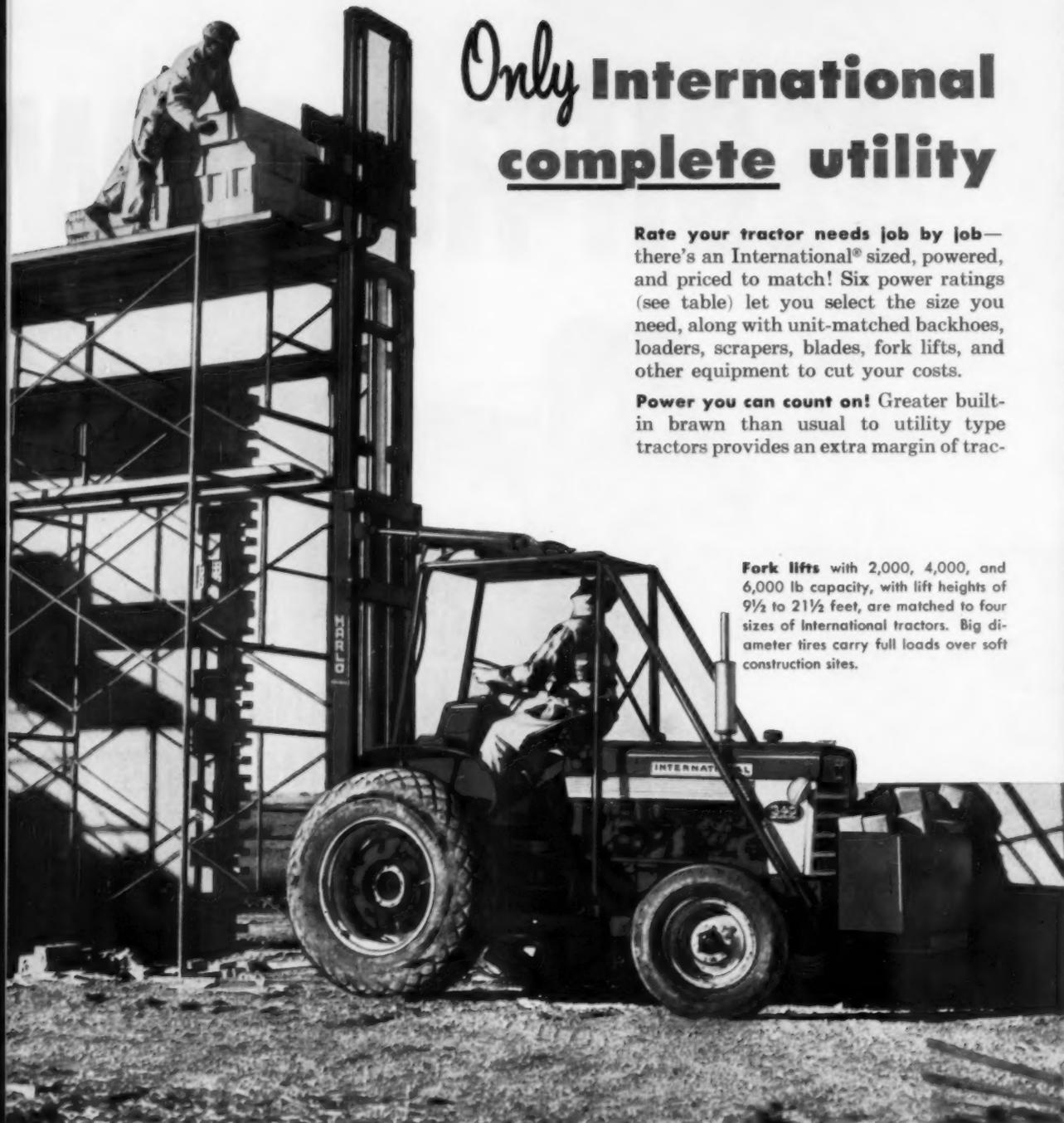
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# Only International complete utility

Rate your tractor needs job by job—there's an International® sized, powered, and priced to match! Six power ratings (see table) let you select the size you need, along with unit-matched backhoes, loaders, scrapers, blades, fork lifts, and other equipment to cut your costs.

Power you can count on! Greater built-in brawn than usual to utility type tractors provides an extra margin of trac-

Fork lifts with 2,000, 4,000, and 6,000 lb capacity, with lift heights of 9½ to 21½ feet, are matched to four sizes of International tractors. Big diameter tires carry full loads over soft construction sites.



Fork Lift: Harlo

## LOADER and BACKHOE SPECIFICATIONS

**INTERNATIONAL**  
Pippin

Loader model	For International tractor	Lift Cap. lb	Max Lift Height	Max Dump Clearance
No. 205	240 Utility	1,300	12' 3"	8' 4"
No. 235	340, 460 Utility	1,600	12' 5"	8' 6"
No. 335	460 Utility	2,000	12' 5"	8' 6"
No. 435	560	2,500	12' 10"	8' 9"
Backhoe model	For International tractor	Digging depth, ft	Range of bucket size	
No. 360	340, 460 Utility, 560	12½	3—6.5 cu ft	
No. 460	460 Utility, 560	13	4.9—10 cu ft	

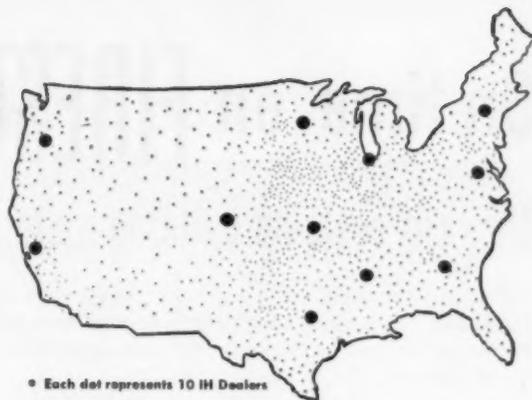
**INTERNATIONAL**  
waqner

Loader model	For International tractor	Lift Cap. lb.	Max Lift Height	Max Dump Clearance
No. 45	Cub Lo-Boy	450	9' 9"	6' 3"
No. 120	240 Utility	1,300	11' 8"	8' 0"
No. 140	340 Utility	1,600	11' 8"	8' 0"
No. 260	460 Utility	2,500	12' 4"	8' 0"
No. 265*	460 Utility	2,500	14' 4"	8' 0"
No. 365*	560	3,000	12' 0"	8' 0"
No. 465*	T-340 Crawler	3,500	13' 0"	8' 4"
* Self leveling				
Backhoe model	For International tractor	Digging depth, ft	Range of bucket size	
No. 65	240, 340, 460 Utility, T-340 Crawler	10	2—5½ cu ft	
No. 95	340, 460 Utility, 560	13¼	2—5½ cu ft	

# provides builders tractor service!

tion . . . stamina . . . durability. Job matching options such as power steering, Torque Amplifier Drive, Fast-Reverser, and big-capacity hydraulic systems speed up operating cycles, reduce job time.

**Your IH Dealer will demonstrate.** For his name and specification catalog, write International Harvester Co., P. O. Box 7333, Chicago 80, Illinois. Write today!



• Each dot represents 10 IH Dealers  
• IH Parts Depots

**"One-stop" sales and service** for all your utility tractor needs saves you time and money! No matter where you are located, you'll find well-equipped parts and service facilities nearby in the hands of a capable, experienced IH tractor dealer. His facilities, in turn, are backed by the industry's most extensive network of parts depots.

## 6 Power sizes...13.4 to 90 hp\*



**Three 4-cylinder models, 13.4 to 45 gross engine hp.** Above, the husky, economical, 45 hp International 340 Utility, with International Pippin loader and International Danuser blade.



**Three 6-cylinder power ratings, 61 to 90 gross engine hp—** all available with gasoline, Diesel or LP Gas engines. Above, the 61 hp International 460 Utility with International Wagner backhoe and loader.

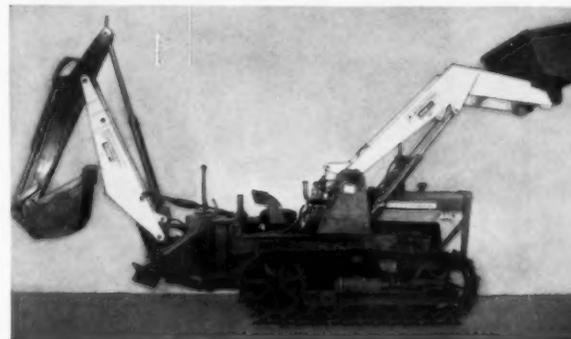
### KEY INTERNATIONAL TRACTOR SPECIFICATIONS

Tractor model	Engine base-power**	No. of Cyl.	Belt horse-power	Drawbar horse-power	LP Gas engine	Diesel engine	Base working weight, lbs†	Speeds forward	Hydraulic pump capacity, gpm	Power Steering
Cub <sup>®</sup> Lo-Boy*	12.8	4	10.75	10.08	—	—	1,895	3	2.8	—
240 Utility	38.5	4	32.24	28.91	—	—	3,637	4	9.3	yes
340 Utility	45.0	4	35.24	32.41	yes	—	4,365	5 or 10#	9.3, 12, or 17	yes
T-340 Crawler	45.0	4	35.0**	31.0**	—	—	5,600	5 or 10#	12 or 17	—
460 Utility	61.0	6	51.64	48.15	yes	yes	5,015	5 or 10#	12 or 17	yes
	61.0	6	52.43	48.16*	—	—	5,255*	—	—	—
560	72.5	6	62.50	58.67*	yes	yes	6,785*	5 or 10#	12 or 17	yes
660**	90.0	6	75.00	68.0*	yes	yes	8,185	5 or 10#	12 or 17	yes

\* Diesel engine †with 175-lb operator, no added weight

\*\* Estimated at standard sea level conditions ‡ with Torque Amplifier drive

### NEW! Low cost Crawler



**New International T-340** delivers 45 gross engine hp. Shown above with International Wagner backhoe and loader, the T-340 can be equipped with Torque Amplifier Drive or Fast-Reverser unit.

\*Bare engine hp at standard sea level conditions



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INTERNATIONAL HARVESTER DEALER

International Harvester Products pay for themselves in use—Farm Tractors and Equipment . . . Twine . . . Commercial Wheel Tractors . . . Motor Trucks . . . Construction Equipment—General Office, Chicago 1, Illinois.

# On time on **FIRESTONES!**

## They cut costs on building materials deliveries

Whether you operate one truck or twenty trucks, count on Firestone Rubber-X, the longest wearing rubber ever used in Firestone truck tires. It's yours with every Firestone, for extra trouble-free deliveries and lower truck tire costs.

And along with new long-wearing tire rubber, all Firestones bring you Firestone S/F (Shock-Fortified) cord for still more stamina and dependability. No wonder more and more truck owners like yourself find it good business, always, to buy Firestones when replacing old tires—and to specify Firestones on all new trucks. Ask about them today at your nearby Firestone Dealer or Store—your headquarters for fast, reliable service!



TRANSPORT\*

SUPER ALL TRACTION\*

\*FIRESTONE T.M.



LOOK FOR NEW LOW COSTS PER MILE WITH LONG-WEARING FIRESTONE TRUCK TIRES

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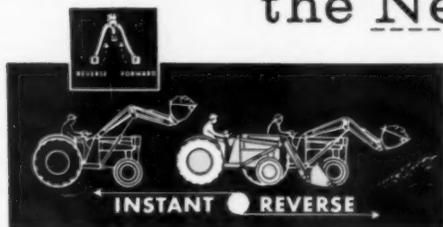
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# Firestone

BETTER RUBBER FROM START TO FINISH

AMERICAN BUILDER

# M-F takes a New Approach to Utility Tractors



## the New **WORK BULL 204**

with TORQUE CONVERTER

change directions

INSTANTLY

at a Touch of the Toe

—no SHIFTING

Here's the most important development ever made on an Industrial Utility Tractor. A new ease and efficiency of operation is yours with the all-new Work Bull 204 — designed for you... to your requirements. No more cumbersome shifting of gears to change direction of travel. With the simplified and field-proven three-pedal control, you can move in either forward or reverse instantly and smoothly... or simply accelerate the engine with a mere touch of the toe. And a torque converter — also a first for Utility Tractors — maintains the

correct power-to-load ratio. Has four equal speeds either direction to give a wide work range as well as favorable road speeds. It has a powerful 40-hp, high-torque engine. Full-time power steering is another standard feature. Of course, the Work Bull 204 is power matched with the M-F Davis Loader and Backhoe. It has the exclusive Ferguson 3-point hitch with hydraulic draft control for Scarifier-Scraper or other rear-end attachments. See it today and you'll agree it's the ultimate of utility tractors. *Write for name of nearest dealer.*



**MASSEY-FERGUSON INDUSTRIAL DIVISION**  
1009 SOUTH WEST STREET • WICHITA 13N, KANSAS

**NOW! CERTIFIED PROOF—FORD TRUCKS COST LESS...**

# '59 Ford Trucks Win — average **25.2%**



'59 Ford pickups running one of the Economy Showdown courses set up by the research engineers. Like all the new '59 pickups tested, these are regular stock models with a standard six-cylinder engine, 3-speed transmission and standard rear axle ratio.

- Biggest comparison tests of truck gas mileage ever conducted by an independent research firm!
- Pickup models of all six makes tested in all kinds of driving!
- Both new and used trucks tested—534 units all told!

The difference between the right truck and the wrong truck can cost you *hundreds of gallons of gas* the first year alone!

A pretty startling figure? It's just one of many findings from the most far-reaching tests of truck fuel economy ever made.

These tests dug out the actual facts on gas mileage the only way they could be gotten—every truck pitted against its brother in an Economy Showdown.

To keep the tests fair and impartial, Ford Motor Company went to America's leading independent automotive testing firm. The project was outlined, the funds provided, and the Economy Showdown became solely the research organization's baby.

#### FIRST TESTS—NEW '59 TRUCKS

Standard six-cylinder models of the six leading half-ton pickups first were put through exhaustive road trials. All '59 trucks—Ford and competitive—were bought from dealers, just as you would buy them. After at least 600 miles break-in, all were brought up to manufacturer recommended specifications.

The trucks were then tested at constant speeds of 30, 45 and 60 miles an hour. Next came stop-and-go test ranging from moderate city traffic to normal retail delivery operation. Acceleration rates were carefully timed in each gear to insure accurate results for all makes. Here are the results—certified by America's foremost independent automotive research organization.

All tests  
conducted and results  
**CERTIFIED**

by America's foremost  
independent automotive  
research organization\*

\*NAME AVAILABLE ON REQUEST.

Send inquiry to: P.O. Box 2687  
Ford Division, Ford Motor Company  
Detroit 31, Michigan

# Economy Showdown USA *better gas mileage!*

## CERTIFIED SHOWDOWN RESULTS

The '59 Ford Sixes, in every test, averaged more miles per gallon than every other make!

Combining all tests, the '59 Fords led the average of all other '59 pickups by 25.2%.

To put it another way, for every 1,000 miles driven, the '59 Fords gave an extra 252 miles *gas free*.

For the typical truck owner driving 10,000 miles annually, this would amount to a saving of 129 gallons of gas the first year alone.

## WHAT'S THE SECRET?

How can a '59 Ford Six make four gallons do the work of five in other trucks?

First, of all pickup Sixes, only Ford has modern Short Stroke design. This new type of engine is basically far more efficient than the long-stroke Sixes of other pickups—most of which were born before World War II!

Second, to this modern engine Ford has added a new economy carburetor. By metering fuel more precisely in both low- and high-speed ranges, Ford's new carburetor boosts gas mileage in every type of driving. And it's *standard at no extra cost*.

## WHAT SPEED GIVES BEST ECONOMY?

Economy Showdown tests reveal that, with any make truck, actual miles-per-gallon depend upon the kind of driving you do. In normal retail delivery operation, for example, gas mileage drops to less than half that obtained at a steady 30 miles per hour.

High speeds are hard on economy, too. At 60 mph, it takes 16 gallons to go the same distance that 10 gallons will take you at 30 mph.

You can't always tailor your driving to get absolutely maximum economy, of course. But of this you *can* be sure. No matter where or how you drive, no other leading truck will give you the gas savings of Ford's modern combination: Short Stroke Six plus new economy carburetor. Economy Showdown USA proved it!

Your Ford Dealer now has the full report of Economy Showdown USA. Why not call him today and get the whole story firsthand?

## HOW NEW '59 SIXES RATE IN GAS MILEAGE

	<b>25.2%</b> more miles per gallon than Make "C"	<b>31.1%</b> more miles per gallon than Make "I"	<b>9.6%</b> more miles per gallon than Make "G"	<b>42.6%</b> more miles per gallon than Make "D"	<b>22.0%</b> more miles per gallon than Make "S"	<b>25.2%</b> more miles per gallon than the average of all makes
<b>'59 FORD SIXES GIVE</b>						
<b>IN ONE YEAR (10,000 miles) FORD SAVES</b>	<b>129</b> gallons of gas	<b>160</b> gallons of gas	<b>49</b> gallons of gas	<b>219</b> gallons of gas	<b>113</b> gallons of gas	<b>129</b> gallons of gas

## HOW GAS MILEAGE DROPS FOR OLDER TRUCKS

Everybody knows that gas mileage falls off as a truck gets older. But how fast, how far? 499 pickups were tested. In these tests, the '59 Fords were tested without break-in.

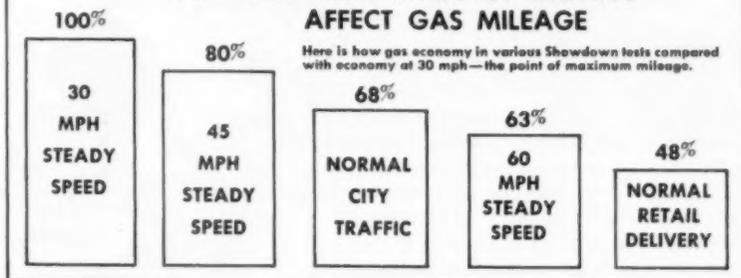
As you can see, gas economy tends to drop sharply somewhere between the second and fourth years . . . levels off after six years. Had the new '59 Fords been broken in (as all 1959 trucks were in the tests above), they would have achieved a much greater advantage.

### '59 FORD GAS MILEAGE BETTER BY

<b>25.6%</b>	<b>27.5%</b>	<b>24.6%</b>	<b>15.2%</b>
9- to 11-year old trucks	6- to 8-year old trucks	3- to 5-year old trucks	1- and 2-year old trucks

## HOW DIFFERENT KINDS OF DRIVING AFFECT GAS MILEAGE

Here is how gas economy in various Showdown tests compared with economy at 30 mph—the point of maximum mileage.



**GO FORD-WARD** for savings  
**FORD TRUCKS COST LESS**

LESS TO OWN . . . LESS TO RUN . . . LAST LONGER, TOO!

**No. 646**  
**6½" 1.5 h. p.**  
**\$69<sup>50</sup>**



## MIGHTY MITT-FULL

Here's the newest in Millers Falls all-new line of FULL-POWER SAWS

You're looking at the most advanced line on the market today! With five brand new models, there's an ideal saw for every contractor and carpenter... every job. You get power to spare — tremendous cutting capacity.

Among the many exclusive features of the three heavy-duty models are quick-change integral depth and angle adjustments and patented Micro-Guide®. Standard-duty saws are 50% more powerful than previous models. All are perfectly balanced, lightweight and ruggedly built for professional performance and long life.

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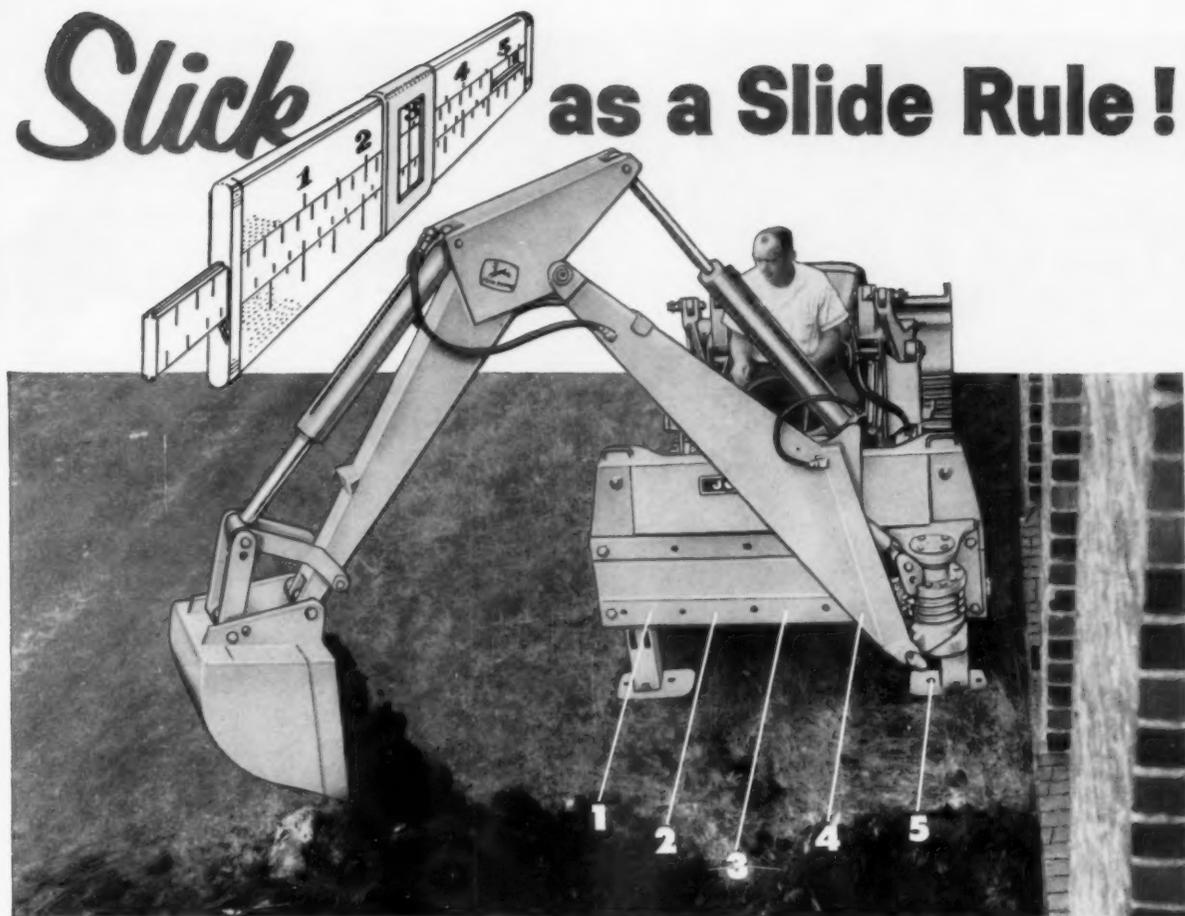
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(Continued on page 442)

# Slick as a Slide Rule!



## New JOHN DEERE 5-Position BACKHOE Shifts Boom in 15 Minutes!

Finished that job of flush digging already? To change the boom mounting for a different job with the John Deere 51 Backhoe, here's all that's required: Just drop the bucket to the opposite side, remove four bolts and *slide* the boom mounting wherever you want it on the pad . . . using the boom's own hydraulic power. All hydraulic connections stay intact. At the outside, it's a 15-minute job for one man, using only a wrench.

For transport, leave the boom mounted at left or right. Boom then folds snug up against pad to make a superbly compact and well-balanced unit for the road. Ask your John Deere dealer for a demonstration.

### Some "51" Features

- ★ Simple 2-lever control speeds digging.
- ★ Great new breakout power for hard digging.
- ★ Ground-level reach—20 feet, 9 inches; working depth—13 feet, 6 inches; dumping height—11 feet; boom travel—180 degrees.
- ★ Backhoe can be removed from tractor in five minutes.



The center-mounted John Deere 50 Backhoe has 205-degree boom swing. In tight spots, digs at 90-degree angles to tractor.



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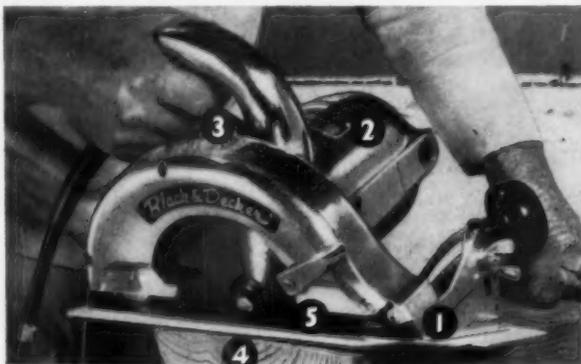
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*America's top construction jobs pick the world's toughest saws—*

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Why do they pick Black & Decker? For better control in the wood. For easy handling. For dependable operation. And now, new features offer even more strength and accuracy for solid all-round performance that pays off in more board feet per day.

Ask your B&D supplier about Black & Decker Heavy-Duty Saws. Or write to the address below for complete saw catalog.



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B&D 8"  
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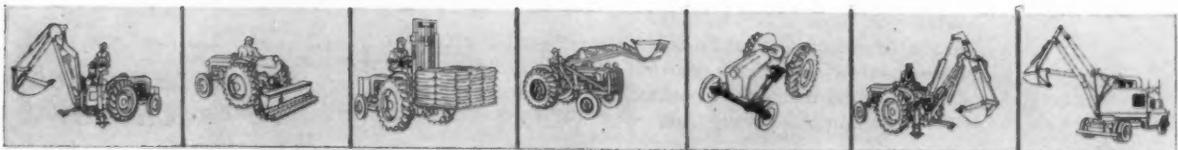


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# hold my hand!



Nameless terrors lurk in the shadows...  
doubly terrifying because they are unknown...

**Even adults are sometimes afraid of the dark**

It's only human to avoid hidden truths that could disturb us. So we worry about cancer, instead of doing something about it.

Wouldn't a checkup be more constructive? Most likely it will prove there's nothing to worry about. But please remember: Cancer can now be cured, in many cases, when detected early enough.

**And one more thing...**

While you think about it, make out a check to the American Cancer Society. Your contribution is desperately needed for research that can bring this killer under complete control. For cancer will be conquered—never fear.

**Guard your family... fight cancer with a checkup and a check**

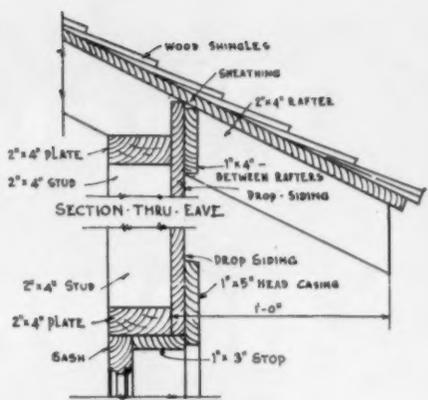
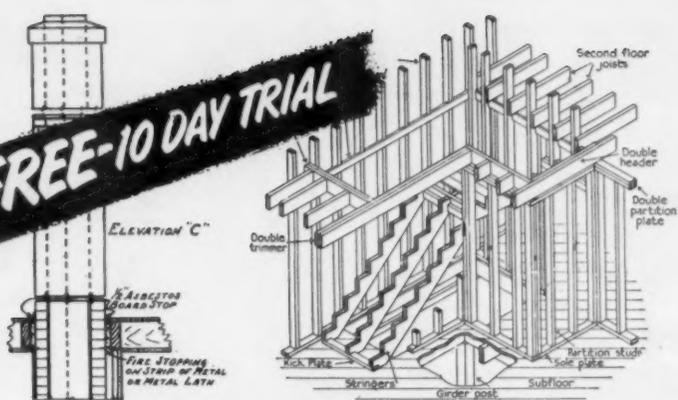
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# Chevy power is tough—

*and proves it on bruising  
off-the-road hauls!*



*That Series 100 Chevy tandem above takes a terrific pounding as it hauls huge loads of gravel or fill dirt into the heart of California's redwood country. It goes miles off the road, makes up to 24 trips a day through rocky forest land. Yet owner Bernard Conti, of the Conti Sand & Gravel Company, reports only one hour of downtime in 20,000 miles on this truck-killing road construction job. And Chevy's tough power gets the truck through faster, Mr. Conti says; assures more trips—more profits—per day!*

Hauling outsized loads of fill dirt through California's forests calls for a heavy-duty truck that's rock-rugged and powerful as they come; one that's soundly built down to the last bolt. And the Conti Sand & Gravel Company bears witness to the fact that Chevrolet is just such a truck. They're completely satisfied with their Series 100 model, from the dependable pulling power of the big 230-h.p. Workmaster V8 to the work-whipping qualities of the tough-built chassis components. And you'll be equally satisfied with whichever

Chevy heavyweight or middleweight *your* work requires! Mr. Conti indicates that Chevrolet's Powermatic\* transmission is of special importance in this rugged service. It helps him to bull through the tough spots with exceptional ease. This fully automatic 6-speed transmission virtually eliminates manual gearshifting! It also provides a Hydraulic Retarder that helps you control truck speed and saves wear on the service brakes.

*\*Optional at extra cost, Series 50, 60, 70, 80, 90 and 100 models.*

## No job's too tough for a



## Chevy's powered to cut costs and keep going on your tough off-the-road hauls!

That's for *sure*, whether you use mighty middleweights or high-capacity heavyweights—whether you prefer V8's or 6's.

Take Chevrolet's 1959 big-truck V8's, for example. As indicated by that tough truck job pictured above, these modern engines are out to whip any work that comes their way. They've got what it takes to do it. The *shortest piston stroke* of any comparable truck V8's: a sure sign of more work on less fuel. Compact design



that cuts down on truck weight and helps assure the biggest possible payloads. Scores of up-to-the-minute features that know how to trim overhead: full-flow oil filter, hydraulic valve lifters, hard-faced exhaust valves and hardened valve seats,

extreme-duty Moraine 400 bearings, rotor-controlled governor, overspeed warning light and many more.

And with a *complete* lineup of modern V8 powerplants—including 160-h.p. Trademaster, 160-h.p. HD Taskmaster, 175-h.p. HD Super Taskmaster, 185-h.p. Workmaster Special and 230-h.p. Workmaster—Chevy can match the engine to your work, ideally.



Or if you prefer 6's, Chevy's *still* your best bet. Standard in Series 40 models is the 135-h.p. Thriftmaster 6, better than ever for '59 with a new Economy-Contoured camshaft that improves gas economy by 10%!

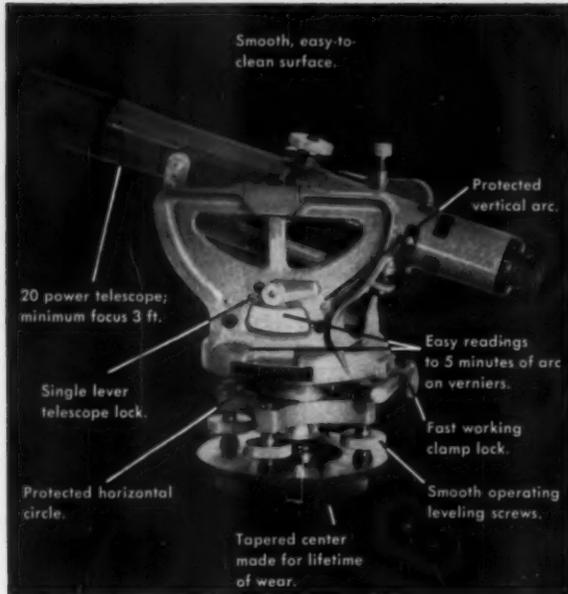
And in Series 60 there's a new edition of the 150-h.p. Jobmaster 6. It offers new durability stemming from new tougher built pistons and Stellite-faced exhaust valves. Both of these famous 6's provide plenty of hard-pulling torque.

Six or V8, you'll go a long way before you see the likes of this '59 Chevy engine lineup. Actually, there's only one *best place* to go for all your trucking needs—and that's to your Chevrolet dealer's. . . . Chevrolet Division of General Motors, Detroit 2, Michigan.

# Chevrolet truck!



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Maybe **ALL THREE!!**



**MULKEY PORTABLE BELT UNLOADS A 6 YD. TRANSIT MIX EVERY 15 MINUTES**

Concrete, sand and gravel may be delivered directly from truck to gravity hopper without intermediate handling, maintaining a continuous flow of materials from truck to point of use on the job.

One man on the ground can keep 10 men busy in the air. Pours of 120 yards a day are commonplace.



Its low price will please you.

This light weight unit was especially designed for the small contractor whose volume of work does not justify the heavy duty conveyors. The unit is expandable from a basic 16' length by means of 8' extensions quickly applied in the field at low cost per foot. A 16' unit will deliver material to a discharge height of 13'; 24' to 20'; 32' to 27'; 40' to 34'. A lock swivel wheel assembly is available as an accessory. Write directly to the Sam Mulkey Company for full details and specifications.



### Handles With Speed and Ease

Blocks, Bricks, most all solid materials including plywood. A 32' unit at 60° angle delivered bricks and blocks to 27' height at the rate of 2500 bricks and/or 1000 concrete blocks per hour. This is truly the answer to the small contractor's prayer for automation in materials handling.

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# MECHANIZE FROM THE GROUND UP

## with ALLIS-CHALMERS TRACTORS

Whether you're planning 5 or 105 houses this year you'll want to consider *tractor power*. Big operators put fleets to work . . . while a smaller builder may use a single tractor with several attachments. Allis-Chalmers utility tractors are profitable for both! Here's why:



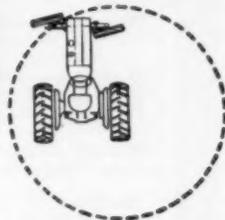
**D-14** 43-hp, 4,200-lb weight

**D-17** 63-hp, 5,300-lb weight



### Long Wheel Base, Wide Tread

gives you better footing and more stability. Weight is *spread out* to provide more traction and give you a better working advantage with any attachment.



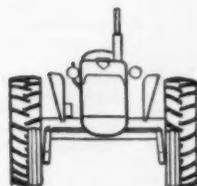
### Front Axle's Forward Location

lets you make a tight turn . . . a pivot turn in *less than 16½ feet!*



### Shuttle Clutch

makes forward and backward moves at the flick of a lever—oil-cushioned and positive. No foot clutching . . . no clashing of gears. Tractor is a natural for loading or backfilling. Forward and reverse ratios are the same for safe speeds at all times.



### Low Profile . . . High Clearance

—the ideal combination because center of gravity is low, yet you get high clearance for travel over berms, rocks and other obstacles. And, you can *SEE over, under and all around* the machine.

This new design lets you move fast, keep four wheels on the ground, push on through tough dirt, stand firm on deep trenching jobs.

Put on any production tool in the complete line of companion equipment—backhoe, loader, blade, auger, mower, whatever you need—and you're in business to make a real profit!

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**NOW! Miter mishaps  
gone for good!**



**Precision  
Trimming Guaranteed**  
with the amazing new

## **DOSCH Custom Cutter**

**Ragged, uneven, wasteful cutting jobs?** Impossible! You always trim fast, sure, and razor-clean when you use the compact, portable DOSCH CUSTOM CUTTER. *Oak? Pine?* The durable tool-steel blades shear *all* woods easily. *Angles?* Anything from 40° through 90°. Compare this with limited miter boxes! *Versatility?* Just look! All the fundamental cuts framing this advertisement—square cuts, miters, undercuts, chamfers, bevels, and rounds—are yours in seconds. *Sanding or putty?* Forget it! You automatically get a finish far smoother than the finest saw cut . . . and a perfect miter, too. *Conclusion?* Here is a basic tool that belongs on every workbench. To save time, wood, and money on cutting jobs, send for your **guaranteed DOSCH CUSTOM CUTTER**—right away!

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Vacuum Wood Preservers Institute, 3121 Grand Ave., Dallas, Tex.

Valve Manufacturers Association, The, 60 E. 42nd St., New York 17, N. Y.

Venetian and Vertical Blind Association of America, 2217 Tribune Tower, Chicago 11, Ill.

Vermiculite Association, Inc., The, 64-67 Eighty-Third Pl., Rego Park, N. Y.

Vermiculite Institute, 208 S. LaSalle St., Chicago 4, Ill.

Vinyl Fabrics Institute, 65 E. 55th St., New York 22, N. Y.

#### W

Wallpaper Institute, 509 Madison Ave., New York 22, N. Y.

Wallpaper Wholesalers Association, 808 Land Title Bldg., Philadelphia 10, Pa.

Water and Sewage Works Manufacturers Association, 170 Broadway, New York 38, N. Y.

Water Conditioning Foundation, The, 39 S. LaSalle St., Chicago 3, Ill.

Waterproof Paper Manufacturers, Inc., 11 W. 42nd St., New York 36, N. Y.

Weatherstrip Research Institute, Box 128, Riverside, Ill.

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Western Forest Industries Association, 526 Henry Bldg., 309 S.W. 4th Ave., Portland 4, Ore.

Western Pine Association, 510 Yeon Bldg., Portland, Ore.

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Wire Association, 453 Main St., Stamford, Conn.

Wire Reinforcement Institute, Inc., National Press Bldg., Washington 4, D. C.

Wood Fiber Blanket Institute, 19th Fl., First National Bank Bldg., St. Paul, Minn.

Wood Floor Institute of America, 4013 N. Milwaukee Ave., Chicago 41, Ill.

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# The Month Ahead

## Growth areas

The "where" of the American home-building industry has become almost as important as the "what" and the "how." Certain areas are picking up population at a fantastic rate. Obviously these areas are of prime interest to you, and one of the important aspects of our industry coverage in the next few months will be these growth areas.

## Go west young man

The far West is one of the biggest of these growth areas. And AMERICAN BUILDER has officially recognized that the West has also become a major manufacturing area of building products. We have opened a new office as headquarters for the Pacific Coast District at 1336 Wilshire Blvd., Los Angeles, under Bayne Sparks, above, a vice-president of Simmons-Boardman. The new office will co-ordinate both business and editorial coverage of the 11 Western states.



We have opened a new office as headquarters for the Pacific Coast District at 1336 Wilshire Blvd., Los Angeles,

## Two New Offices

In addition to the Los Angeles office, an advertising sales office is now located at 244 California St., San Francisco, with Dave Clark as District Manager.

## If it isn't snow it's mud

So far this year, the worst enemy most builders have had is the weather. Eight weeks ago, if you weren't frozen out or flooded out, you were up to your knees in snow. Today you're up to your knees in mud, and April looks as bad as February.

While all this is still fresh in your mind, sit down and write yourself a note to be opened next Fall. Remind yourself of just how the weather did you dirt, and of the changes you swore you'd make next year.

Did heavy frost keep you from putting in foundations? Make a note to get them in earlier.

Did snow stop your framing crews? Make a note to get some more shells under roof while the weather is good.

Has this mud brought everything to a stop? Promise yourself to get your roads in earlier next year.

## Take a fresh look at your building schedule

Maybe "winter building" doesn't cover enough territory. Try looking at it a different way: bad weather building and good weather building. Depending on where you build, each period would be assigned six months, more or less. Bad weather would start around November, and carry through the April mess we're in now. And most cold weather precautions apply to Spring troubles too.

Does it pay to invest in extra foundations, better roads, and other bad-weather aids? Let's look. If you build twenty-five houses a year, you're averaging one every two weeks. It's no trick at all to lose four weeks' building time in the bad weather months. Those four weeks mean two houses, with the profit you'd make on them and the share of your overhead they'd carry. This ought to add up to enough money to make you do some hard thinking between now and next Fall.

COMING IN MAY: a new look at **insulating roof-deck slab** and the savings it offers... how you can tighten up your **merchandising** and get ready to sell... a **prize-winning blueprint house** from Salt Lake City.

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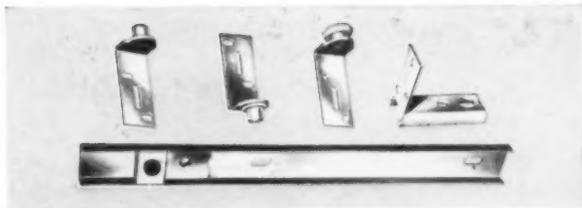
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