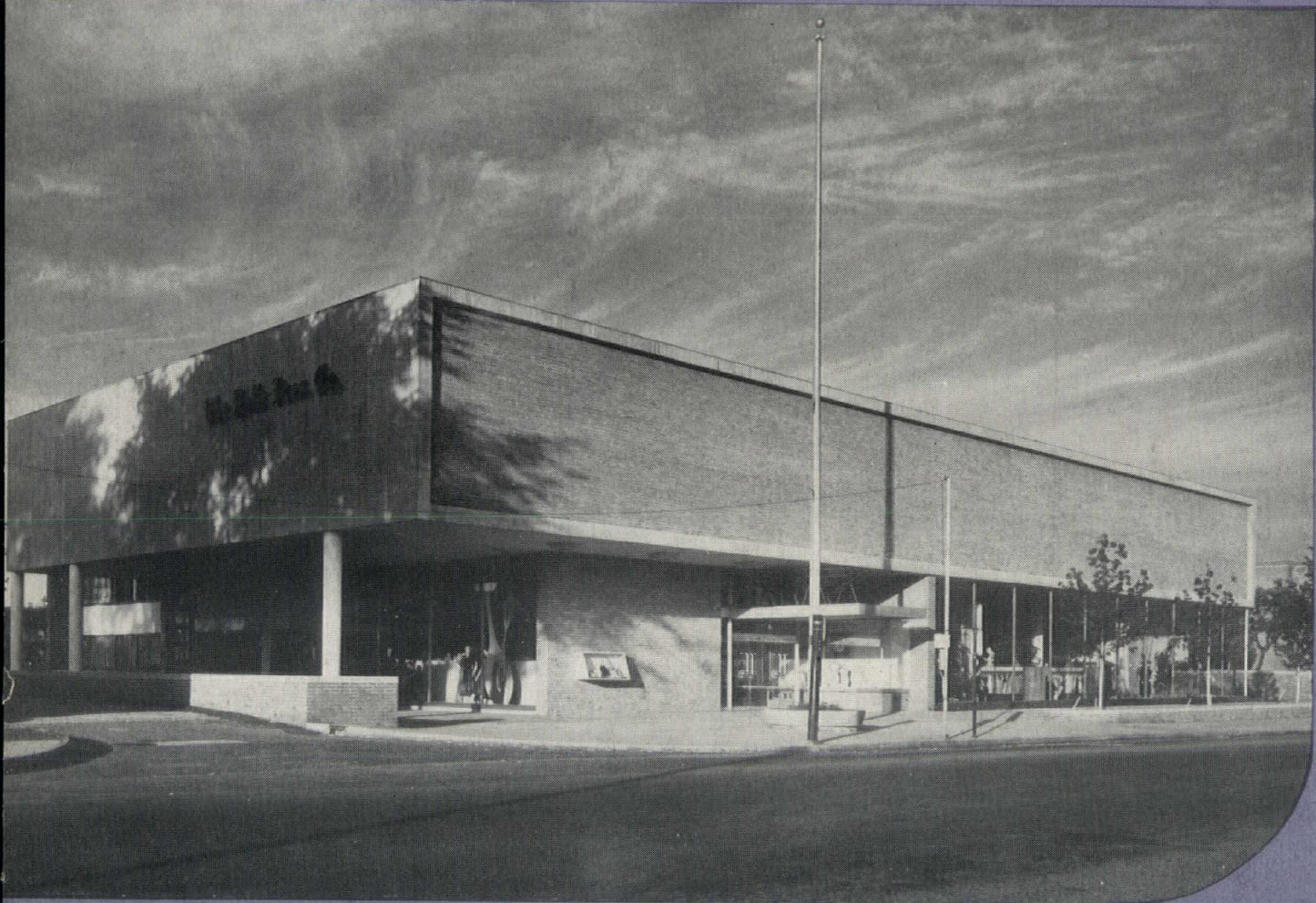


OCTOBER • 1949

Vol. VII

No. 10

# OHIO ARCHITECT



First Prize Medal Winner — A.S.O. 1949 Architectural Competition. Halle Bros. Store at Shaker Square, Cleveland, O. Conrad, Hays, Simpson and Ruth and Robert Little, Architects.

## IN THIS ISSUE...

CLEVELAND CONVENTION HIGHLIGHTS	7
A.S.O. 1949 ARCHITECTURAL COMPETITION WINNERS	7
SANDSTONE FOR THE NATION'S BUILDINGS	8
GETTING THE MOST OUT OF PAINT	10
NEW RUSCO PRIME WINDOWS	11
PICTORIAL SHOTS OF CLEVELAND CONVENTION	12-16, 22
REPORT FROM THE CLEVELAND CHAPTER	21
ARE OFFICE BUILDING COSTS PROHIBITIVE?	24
CONSTRUCTION AND MATERIALS OUTLOOK	20
ANNUAL REPORT OF A.S.O. SECRETARY	27
THE NEW ETLING WINDOW	34
INDEX TO ADVERTISERS	35





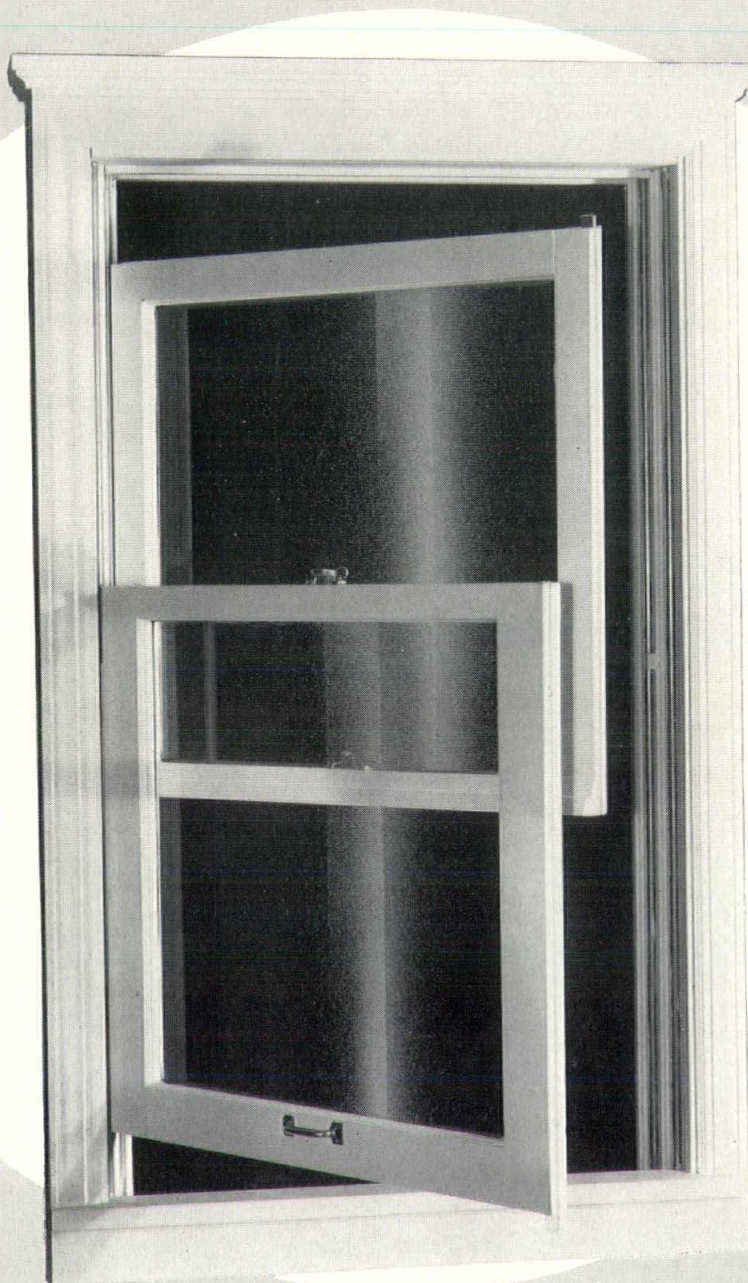
# ***Most modern window in building history!***

**"The Kind of Window Homemakers Have Always Wanted"**

Glass secured in position with non-drying compound and wood glass bead. The same wood joinery effect outside as within . . . no putty to dry, crack and drop out.

Completely primed at factory . . . ready for one or two coats of paint.

Each Etling Window unit tested and inspected . . . carton packed . . . delivered on the job by your Building Material Supplier.



Top and bottom sash slide up and down, swing in for easy cleaning. Caldwell balances hold sash firmly in any position whether opened or closed.

Precision millwork makes this the tightest weather-sealed wood window.

Only materials proved by years of testing to have the most durable qualities go into The Etling Window.

**The** *Etling*  
**WINDOW**

*Details and specifications  
furnished on request . . . write*

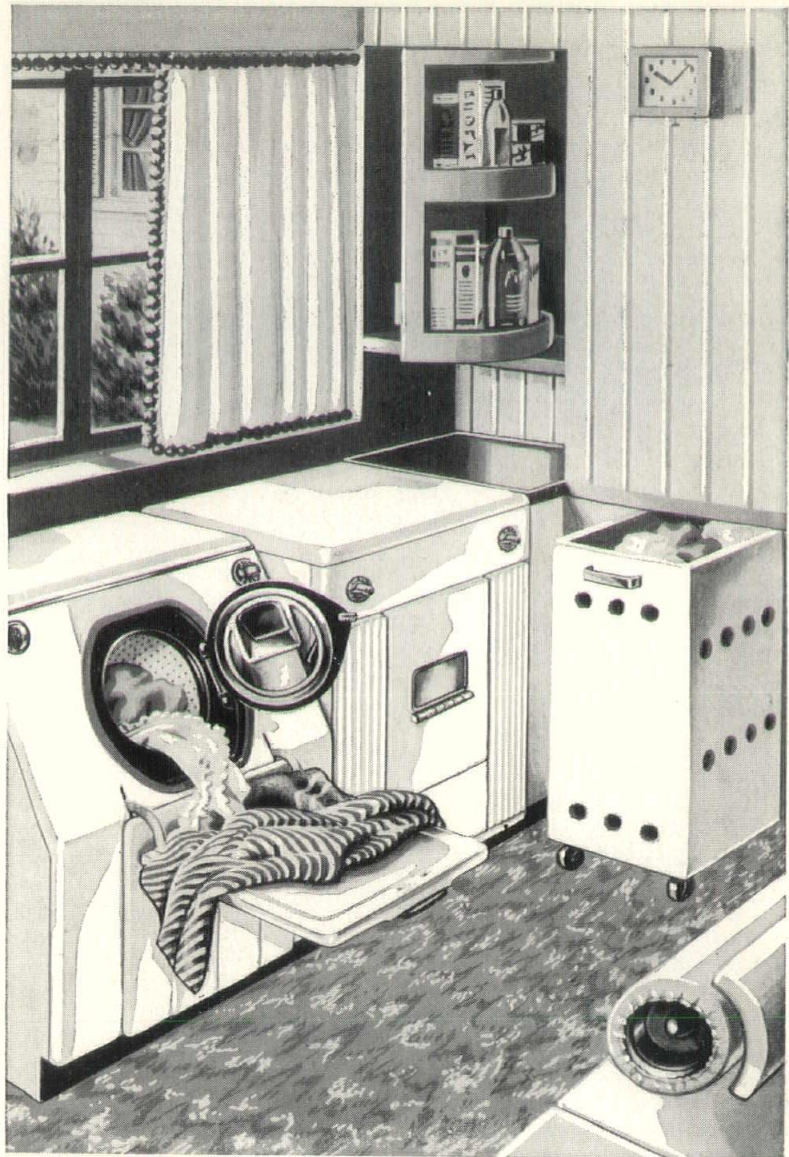
**24 HUSTON ST., BARBERTON, OHIO**

**A COMPLETE . . . NEW . . . MODERN UNIT**

**"A Product of Weather-Seal, Inc."**



# Modern Living . . . and Satisfied Clients . . . Call for Planning



**T**HE new home laundries are just one example of the need for an instant source of uniformly heated water. Automatic dishwashing, home hygiene and beauty care are a few more of the 140 daily uses for hot water in the home.

Only modern Automatic, Underfired, Insulated GAS water heaters give your clients an unfailing supply of hot water for all of these uses.

Clients are quick to appreciate the convenience of an *automatic* water heater, that stands ready any time with plenty of hot water, without a moment's attention or waiting. *Underfiring* is the direct-to-tank heating that means fast, efficient, economical hot water service. And, of course, the economy of *insulation*—always part of

your thinking on modern homes—helps give your clients hot water at lowest possible operating cost.

So, when you specify Automatic, Underfired, Insulated GAS water heaters, you assure your clients of an automatic and adequate supply of hot water, with real economy, for *all* modern needs, for many years to come.

Whether you're specifying water heating equipment for domestic uses, or have other problems involving the use of gas for homes, or commercial or industrial installations, we are most willing to assist you at any time.

*The* **EAST OHIO GAS** *Company*



# OHIO ARCHITECT

OFFICIAL PUBLICATION OF THE  
ARCHITECTS SOCIETY OF OHIO, INC.

Association Member of the American Institute of Architects

Volume VII

October, 1949

Number Ten

JOHN W. HARGRAVE.....*Editor*  
Cooper and Montgomery Roads, Montgomery, Ohio  
CHARLES L. BURNS.....*Business Manager*  
Publication Office: 6523 Euclid Ave., Cleveland 3, Ohio  
Telephone EXpress 8700  
E. B. STAPLEFORD.....*Cleveland Advertising Manager*  
ED SELTNER.....*State Advertising Manager*

## ASSOCIATE EDITORS

COLUMBUS CHAPTER, A.I.A.—Ralph Kempton, Secretary, Ohio State Board of Examiners of Architects, 2150 A.I.U. Bldg., 50 W. Broad St., Columbus 15, Ohio.  
CLEVELAND CHAPTER, A.I.A.—Jean Fenton, 12065 Edgewater Drive, Lakewood 7, Ohio  
DAYTON CHAPTER, A.I.A.—John Sullivan, Jr., 419 Third National Bank Bldg., Dayton 2, Ohio.  
EASTERN OHIO CHAPTER, A.I.A.—Russell Roller, Alliance, Ohio.  
TOLEDO CHAPTER, A.I.A.—John P. Macelwane, 531 Nicholas Bldg., Toledo, Ohio.

## OFFICERS OF ARCHITECTS SOCIETY OF OHIO, INC.

George S. Voinovich, *President*.....1011 Sweetland Bldg., Cleveland 15  
Carl C. Britsch, *1st V. Pres.*.....531 Nicholas Bldg., Toledo 4  
Emory J. Ohler, *2nd V. Pres.*.....12 Kurtz Ave., Dayton 5  
William B. Huff, *3rd V. Pres.*.....1050 North Main St., Akron 10  
H. Walter Damon, *Treas.*.....217 E. Indianola Ave., Youngstown 5  
John W. Hargrave, *Sec.*.....Cooper & Montgomery Rds., Montgomery  
C. Curtiss Inscho, *Past Pres.*.....60 E. Broad St., Columbus 15

## STANDING COMMITTEES

PUBLIC RELATIONS—George Voinovich, Cleveland, Chairman; Harold H. Hunter, Warren; Gilbert Coddington, Columbus; Onnie Mankki, Cincinnati; John T. Macelwane, Toledo; Charles R. Strong, Cincinnati; Michael Lucisano, Dayton.

LEGISLATIVE—Richard L. Tully, Chairman, Columbus; Wm. B. Huff, Akron; Thomas E. Brand, Columbus; Carl F. Gunther, Cleveland; Willis A. Vogel, Toledo; Eugene F. Schrand, Cincinnati; Ralph Carnahan, Dayton.

BUILDING CODE—H. Walter Damon, Chairman, Youngstown; C. Curtiss Inscho, Columbus; Paul Ruth, Cleveland; Newton F. Marvin, Toledo; Hunter W. Hanly, Cincinnati; Emory Ohler, Dayton.

MEMBERSHIP CHAIRMEN—Ramsey Findlater, Chairman, Cincinnati; Edward V. Florence, Akron; Raymond Goller, Columbus; Morton Leavitt, Cleveland; Mark B. Stophlet, Toledo; John W. Hargrave, Cincinnati; Donald Bolinger, Dayton.

ARCHITECTS REGISTRATION—Charles F. Owsley, Chairman, Youngstown; Charles J. Marr, New Philadelphia; John P. Schooley, Columbus; Anthony S. Cerisi, Cleveland; Harold E. Munger, Toledo; Charles R. Strong, Cincinnati; Carl Martin, Dayton.

EDUCATION CHAIRMEN—Carl Britsch, Toledo; Charles E. Firestone, Canton; Wilbert C. Roman, Columbus; Edward H. Hodgeman, Cleveland; M. D. Grow, Toledo; Reid F. Stockdale, Cincinnati; John Sullivan, Jr., Dayton.

CONSTITUTION AND BY-LAWS—John F. Samuels, Youngstown, Chairman; Lawrence J. Motter, Canton; Floyd F. Glass, Columbus; Russell Simpson, Cleveland; Michael B. O'Shea, Toledo; George F. Roth, Cincinnati; Michael Lucisano, Dayton.

ARCHITECTURAL PRACTICE—George M. Martin, Chairman, Cincinnati; C. Curtiss Inscho, Columbus; Franklin G. Scott, Berea; Harold H. Munger, Toledo; Charles F. Owsley, Youngstown; Emory J. Ohler, Dayton.

BUILDING INDUSTRY CO-ORDINATION—Charles J. Marr, Chairman, New Philadelphia; (committee to be appointed by chairman).

LECTURE SERVICE TO PUBLIC SCHOOLS—Max Mercer, Chairman, Yellow Springs; (committee to be appointed by chairman).

## CHAPTER DIRECTORS OF THE ARCHITECTS SOCIETY OF OHIO, INC.

Ramsey Findlater, Cincinnati; Richard L. Tully, Columbus; J. Byers Hays, Cleveland; Michael B. O'Shea, Toledo; Ralph C. Carnahan, Dayton; John F. Samuels, Youngstown.



We know from experience that  
the best paint actually costs less!

The wise architect has learned that price per gallon is a mighty poor yardstick for measuring paint costs. He knows that quality paint not only saves on material but also saves on painting labor which today accounts for a good 80% of total costs.

If you want to give your client a better-looking, longer-lasting job at lower cost for both paint and labor, specify only the best! And in our book, that means BARRELED SUNLIGHT!

## A FEW OF THE MANY BARRELED SUNLIGHT FINISHES

"Chinaline" Gloss and Eggshell Enamels (white and colors); Flat Wall and Partial Gloss Finishes (white and colors); Eggshell Wall Finish (white only); Matte Finish Flat (white only); Stippling Wall Finishes (eggshell and flat); Acoustolight (for acoustical surfaces); Outside Barreled Sunlight (white and colors); Outside Granolith (for cement and stucco); Varnishes.



Manufactured only by

U. S. GUTTA PERCHA PAINT CO.  
Factory and Main Offices: Providence, R. I.

## DISTRIBUTED IN OHIO BY THESE AUTHORIZED DISTRIBUTORS

AKRON.....	The D.P.W. Co.
ALLIANCE.....	Superior Wall Paper Co.
ASHTABULA.....	The Lake Erie Paint Co.
CANTON.....	The Canton Hardware Co.
CINCINNATI.....	The Saeger-Winstel Co.
CLEVELAND.....	The Union Wall Paper & Paint Co.
COLUMBUS.....	The Capital City Lumber Co.
DAYTON.....	The Roemhildt Co.
ELYRIA.....	Lorain Glass Co.
GREENVILLE.....	Lehman's Inc.
HAMILTON.....	The Ralston Paint Co.
LIMA.....	The Lima Paint & Color Co.
LORAIN.....	Lorain Glass Co.
MASSILLON.....	The Massillon Hardware Co.
MILLERSBURG.....	Quality Shop
MIDDLETOWN.....	Ralston Paint Store, Inc.
MOUNT VERNON.....	Tinkham's
PORTSMOUTH.....	The Portsmouth Paint Co.
SALEM.....	Superior Wall Paper and Paint Co.
SANDUSKY.....	The Sandusky Paint Co.
SPRINGFIELD.....	The Delscamp Paint & Glass Co.
TOLEDO.....	The M. I. Wilcox Co.
WARREN.....	The East Ohio Lumber Co.
XENIA.....	McVay's Store, Inc.
YOUNGSTOWN.....	The Stambaugh-Thompson Co.

SEE OUR CATALOG IN "SWEET'S"

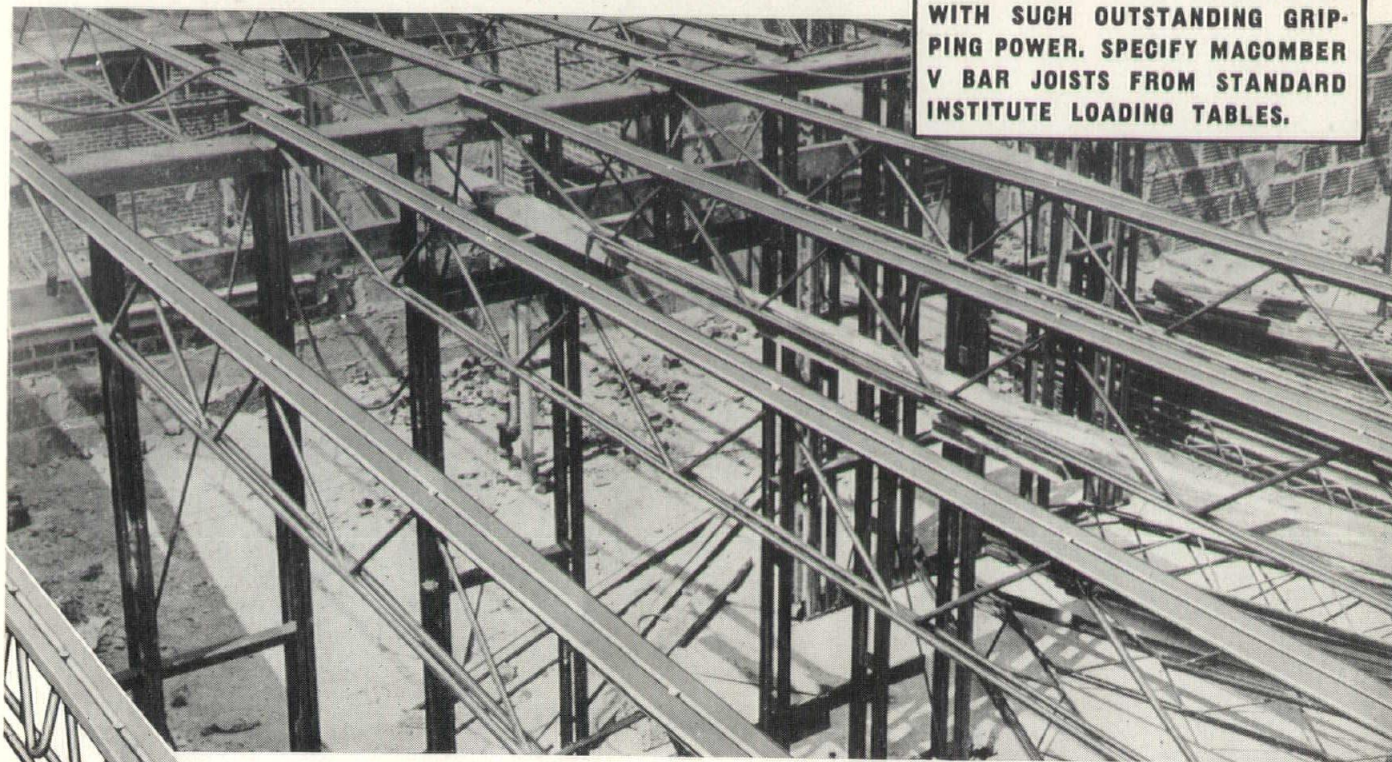
Don't say Paint  
say **BARRELED SUNLIGHT**

THE OHIO



**ALL A BUILDER HAS TO DO IS SPECIFY MACOMBER  
NAILABLE STEEL JOISTS AND LOOK WHAT HAPPENS**

**ONLY THE PATENTED MACOMBER  
V SECTION USED AS THE TOP  
CHORD OF ALL V JOISTS PRO-  
VIDES SUCH EASY NAILABILITY  
WITH SUCH OUTSTANDING GRIP-  
PING POWER. SPECIFY MACOMBER  
V BAR JOISTS FROM STANDARD  
INSTITUTE LOADING TABLES.**

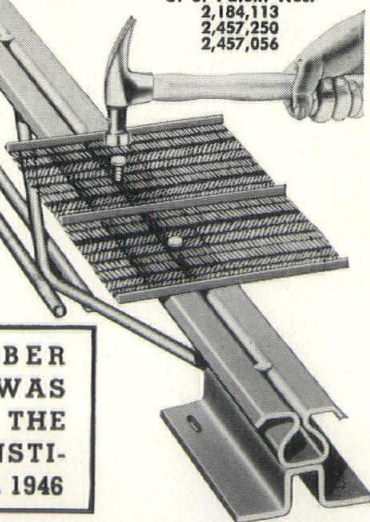


## These Outstanding Advantages Cost No More

**PATENTED**  
U. S. Patent Nos.  
2,184,113  
2,457,250  
2,457,056



**THE MACOMBER  
V BAR JOIST WAS  
APPROVED BY THE  
STEEL JOIST INSTI-  
TUTE ON OCT. 23, 1946**



Any floor or roof finish you desire, any covering or slab centering material made can be securely nailed to Macomber V Bar Joists.

You have just this ONE TYPE of joist to specify for any job that can be built and you get **HOLDING POWER**—per nail— $2\frac{1}{2}$  times the grip of common nails in wood. (P.T.L. Nail Pull Tests.)

Look at the surface you have to receive pre-cast slabs or planks. Or maybe you have a Steel Deck job and want an ideal welding surface.

Add it up and you have the outstanding Steel Joist value in a Builder's Unit designed to save time, fit all needs and do a better all-around job. Send for: **NAILABLE V JOIST CATALOG.**

**HOME, SCHOOL, COMMERCIAL AND INDUSTRIAL FLOOR AND ROOF SYSTEMS**  
**STANDARDIZED STEEL BUILDING PRODUCTS**



**MACOMBER • INCORPORATED**  
**CANTON, OHIO**

**IN CANADA, SARNIA BRIDGE CO., LIMITED, SARNIA, ONT.**  
**IN MEXICO D. F.—MACOMBER DE MEXICO S. A. CEDRO 500**

**V BAR JOISTS • LONGSPANS • BOWSTRING TRUSSES • STEEL DECK**



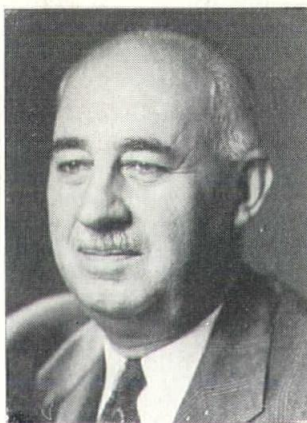
# Officers of the Architects Society of Ohio, Inc.



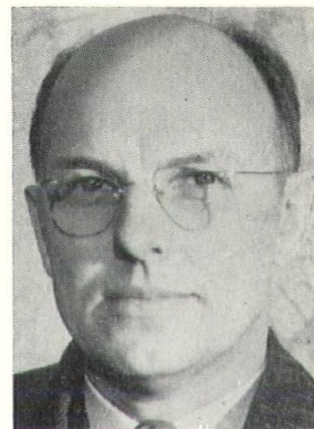
GEORGE S. VOINOVICH  
President



CARL C. BRITSCH  
First Vice President



EMORY J. OHLER  
Second Vice President



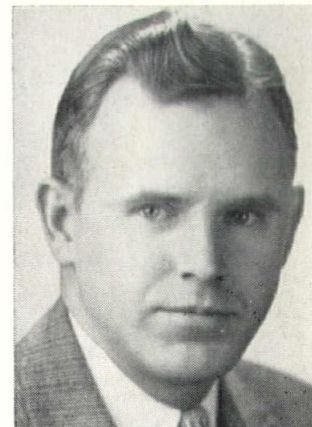
WILLIAM B. HUFF  
Third Vice President



H. WALTER DAMON  
Treasurer



JOHN W. HARGRAVE  
Secretary



C. CURTIS INSKO  
Past President



## CLEVELAND CONVENTION HIGHLIGHTS

Hundreds of Ohio Architects turned out to make this year's 15th Annual A.S.O. Convention a huge success.

The Material Dealers were responsible for an excellent Exhibit of Materials which literally filled the Hotel Ball Room, several exhibits overflowing onto the mezzanine floor. There were 39 booths in all, and the response was terrific. From the buzz of comments, both architects and exhibitors were happy with the results—with only a small resentment on the exhibitors part that the architects weren't in the Exhibit Hall 24 hours a day.

### NELA PARK

General Electric Lighting Institute was responsible for enticing the architects away from headquarters to Nela Park on Thursday for a remarkable program in Light Education.



Alston Rogers, called by G-E "This Wizard of Ours." shows the Architects what a half-exploded toy balloon looks like.

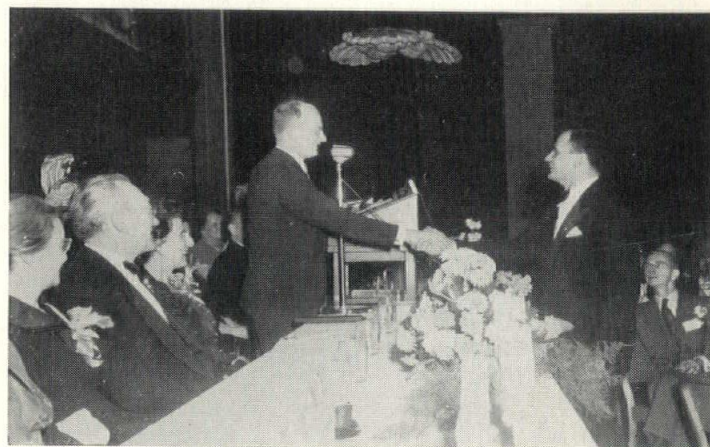
The groups (242 in all) was split five large sections and were toured throughout the Institute on a schedule like a Swiss watch works. Nela Park's wizards engineered a Fantasy. Unbelievable gadgets, ceilings that whizzed up and down, suspended lights that disappeared into nowhere, the Horizon House with panels switches to make a B-39 pilot dizzy, rotating walls, photography of invisible smoke, were only a fraction of G-E's display of precision in progressive developed research methods—a very wise move, indeed, that this tour preceeded the grandiose, beautiful cocktail hour(s)! A banquet for the group did not end this hospitality—for Walt Reeves of G-E supplied the Night-Owls with several "for the road" down in the "Light Bar." The bus back to the Hotel cleared out all but a few remaining "drivers"—with a long road ahead of them, no doubt. The hosts for this late session were: the Wilbur Riddles, W. E. Conley, the Walter Reeves, and C. M. Cutler. The Night-Owls: the Morton Levitts, the Alfred HARRISES, Carl Guenther, Lottie Helwick, Ronald Spahn, the

(Continued on page 17)

## ARCHITECTURAL COMPETITION WINNERS

On the front cover of this issue of the Ohio Architect is shown the WINNER OF THE FIRST MEDAL, architects, Conrad, Hays, Simpson and Ruth, and Robert A. Little. The prize was presented to Mr. Little by Joseph Ceruti, Competition Chairman of the A. S. O., at the convention banquet on the decision of the extremely competent group of judges: Nathaniel A. Owings, of Skidmore, Owings, and Merrill of Chicago; Robert Schmertz of Pittsburgh; and James Mitchell of Mitchell and Ritchey of Pittsburgh.

Not only has this structure been designed in the contemporary manner to shelter the flow of material to customer and customer to material, but a tremendous and successful effort was made to conform to the Old Colonial Shaker Square architecture surrounding it. Material and color, alignment with adjacent structures, proportions—all harmonize the new with the old.



Joseph Ceruti, Chairman of the A.S.O. Competition presents the First Prize Medal to Robert Little, winner, 1949 Architectural Competition.

Flexibility in the design is paramount; and one of the reasons for this great flexibility is that the architects had contracted to do all the work, from the interiors and furniture to the lighting fixtures. An entirely new system of store fixtures was designed—the same unit used to hang up dresses can be quickly converted to cabinet, drawer space or shelves; all partitions are hung—the entire ceiling can be unscrewed and removed to expose the movable frames; the ceiling itself is perforated—acting as ventilation distributor thus eliminating the need for fixed anemostats and ducts.

The building was completed in August 1948. It was entered into class number seven in the competition and was chosen as the outstanding entry among the premiated designs in all of the classifications:

Class No. 1—Single family residences of 30,000 cubic feet or less.

Class No. 2—Single family residences of more than 30,000 cubic feet.

Class No. 3—Multi-residential—hotels, apartment buildings, etc.

Class No. 4—Institutional—hospitals, homes and institutions of detention or correction.

(Continued on page 19)



# SANDSTONE for the NATION'S BUILDINGS

## BEREA SANDSTONE: Its History, Quarrying, Fabricating and Widespread Use

According to the geological survey of Ohio, all the building stones of our great state belong to the group of rocks known as sedimentary. The sandstones occur in deposits of varying size and characteristics in a broad belt extending from the Ohio River nearly due north across the state to Norwalk, then turning east to Elyria and Cleveland. From the Cuyahoga Valley, the sandstone belt narrows considerably and continues in a very irregular belt to the Pennsylvania Line. The maximum width occurs in the latitude of Ashland County and spreads out to approximately sixty miles. The minimum width of the deposits occurs along Lake Erie and diminishes to less than six miles in width just east of Cleveland. These sandstones all belong to the Mississippian or lower Carboniferous rocks. They vary greatly in physical characteristics, some being coarse-grained, others fine, some are compact, others very porous. Some are comparatively free from impurities while others contain objectionable material. Some carve very well, others do not. Generally speaking, however, the sandstones of Ohio rank very high as building stones and at least one of them (Berea Sandstone) is generally considered as a building stone that is unsurpassed anywhere.

Although the discovery of Berea Sandstone was first made by John Baldwin in the year 1828 near the village of Berea, trips were made to Cleveland as early as 1799 by the early settlers to obtain mill stones from rocks

quarried a few miles east of Cleveland, probably in the vicinity of the present Marine Hospital. By 1832, John Baldwin's business had grown to the point that he employed two workmen to assist him. About this time, Berea Sandstone began to find use as a building stone in the construction of foundations and was first shipped to Cleveland to be used in the construction of a jail. John Baldwin's attention was first called to Berea Sandstone when he found a curious rock which he discovered

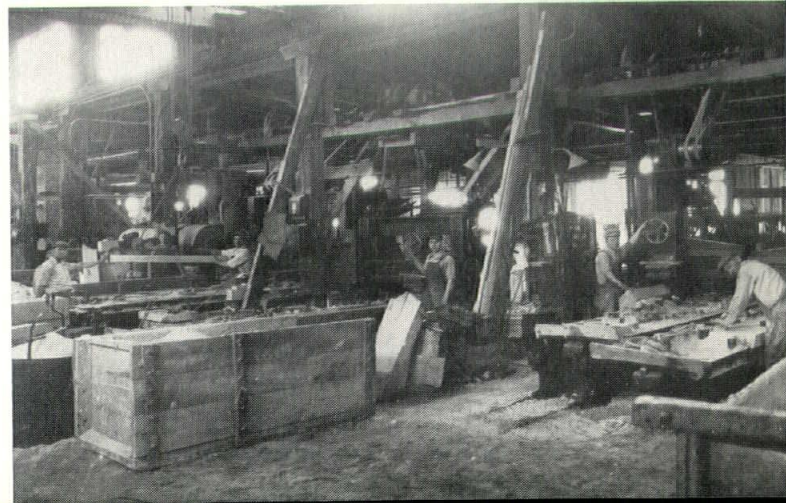
would put a sharp edge on a knife. Before night-fall, he had made the first Berea grit grindstone. Funds from his successful operations made possible the establishment of Baldwin Institute which later became Baldwin University, and later became Baldwin-Wallace College. The real commercialization of American sandstone on a nationwide basis did not begin, however, until the introduction of the sandstone from Lorain and Cuyahoga Counties about 1855, when the stone was first shipped to Oberlin, Ohio. In the years following the Civil War, the industry in Amherst and Berea, Ohio grew very rapidly until the number of new employees increased to approximately two thousand. In the course

of time the operations at Amherst became much more important than those at Berea, due to the fact that the quality of the stone at Amherst was so much better and the deposits deeper. Those at Berea were only approximately sixty-five feet while one of the quarries at Amherst today shows a depth of two hundred and thirty



Buckeye Quarry

Interior views of Plant No. 3 of The Ohio Cut Stone Company, fabricating division of The Cleveland Quarries Company. This view features some of the planers which are utilized to fabricate stone for monumental buildings.





feet of extremely high quality stone. These Amherst deposits are not continuous, but lie in the approximate shape of an egg.

The quarry produced stone ranging from light gray to a deep mahogany. The buff and mahogany occur at the top of the quarry and the gray below. The stone is very gritty and has been used extensively for grindstones which have been shipped to all parts of the world. The proportion of silica is in excess of 90%, while the crushing strength averages about 9,000 pounds per square inch. The specific gravity of the stone is 2.142% and its porosity, 6%. Investigations regarding the effect of alternate freezing and thawing show that Berea Sandstone withstands weathering very well. In fact, sandstone structures ranging from fifty to thousands of years in age prove conclusively that sandstone resists the elements to an unusual degree.

Until 1880, quarrying operations were conducted by hand—a tedious and laborious process. At this time, channeling machines were introduced, displacing the old method of trenching by hand. By means of these machines, the rock is cut into rectangular blocks and the width of the channel is reduced to about five or six feet at the top of the cut, gradually diminishing as the bottom of the channel cut is reached. These channeling machines are mounted on tracks and are propelled back and forth across the quarry ledge by their own power. Steel bits are used, which operate up and down to produce a chopping action. Usually, the



An Imposing Example of Sandstone Construction — John Hancock Mutual Life Ins. Bldg., Boston, Mass. — Architects, Cram and Ferguson

depth of a cut made by a channeling machine ranges from eight to ten feet. After the channel cuts are completed the large blocks are drilled into small pieces that can be readily handled by the derricks and then freed from the mother ledge by a series of wedges placed at the level of the bottom of the channel cut on the open face of the ledge. Most of the breaking is done by means of plugs and feathers although powder is sometimes used.

After the blocks have been entirely freed from the quarry, they are hoisted to the quarry bank by means of derricks placed at the edge of the quarry. They are then transported by rail to the mills where the rough blocks are worked into smaller sizes for sale as building stone, curbing, flagging, grindstones, refractory material, etc.

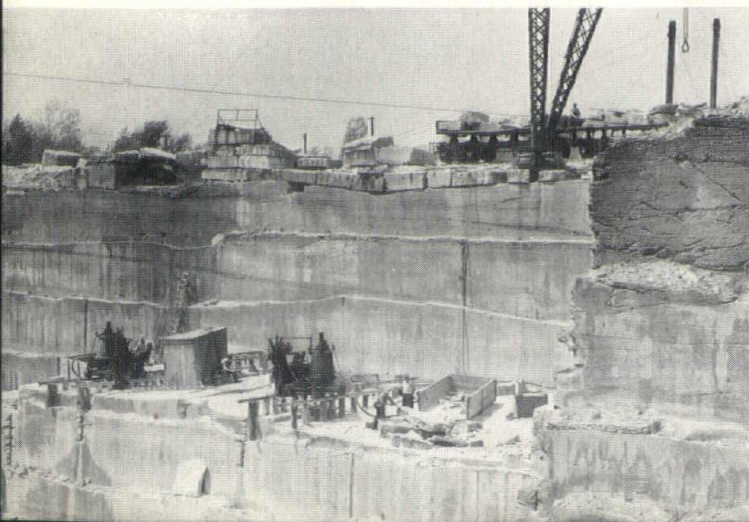
Berea Sandstone, from the quarries of The Cleveland Quarries Company, enjoys a much wider use than stone from the usual quarry.

As might be expected, the finest grade of the stone is reserved for use as building stone. The better quality of the remaining stone is worked into street curbing, sidewalk flagging, grindstones, refractory material, break-water stone and other uses.

The blocks that have been carefully selected for use as building stone are usually sold in the form of rough blocks or as sawed stone, depending upon the shop equipment of the cut stone contractor to whom the cut stone is shipped. Generally speaking, blocks can be obtained

(Continued on page 33)

At Work in Buckeye Quarry



No. 8 Mill Prepares Stone for Shipment





# Getting the Most Out of Paint

Today more and more architects realize how the writing of painting specifications can make or break an otherwise fine job of design and construction, according to E. M. Howland, General Manager of the Union Wall Paper and Paint Co., Cleveland distributors of "Barreled Sunlight" paints, enamels and varnishes.

The true test of any paint is how it performs on the job, both when being applied and in its years of use. Too many so-called "analyses" of paint are so worded that they are practically meaningless even to the trained paint chemist. The specification writer needs a general knowledge of the different types of paint, enamel and varnish, plus a working knowledge of the various approved methods of application and surface preparation.

## SURFACE PREPARATION IMPORTANT

Every type of paintable surface, whether new or previously painted, requires its own preparation for best finished results, Mr. Howland points out.

On repaint work, all loose and scaling paint should be removed by scraping or wire brushing. Following this, the surface should be sanded smooth and thoroughly washed with a good detergent to kill the old gloss.

On new work, each type of surface requires its own special preparation if the best possible results are to be achieved. Unpainted plaster and masonry, for example, require proper aging for at least a week in dry weather, followed by a treatment with zinc sulphate solution to neutralize any existing free alkali.

Unpainted iron and steel should have all "mill scale" removed before priming, while galvanized iron should be washed with mineral spirits to remove any greasy film and then "etched" with a copper sulphate solution to create a minutely pitted surface which helps to "anchor" the new paint. Outside, allowing the galvanized iron to "weather" for at least three weeks before painting takes the place of this "etching."

Unpainted wood needs to have knots and sappy spots sealed in with shellac before priming, while open grain woods which are to be varnished should first be filled with a high grade paste wood filler.

## PRIMING ASSURES SUCCESS

Second only in importance to proper preparation is proper priming, says Mr. Howland, for no finish is better than the surface over which it is applied.

The LAUB BAKING BUILDING in Cleveland where all the interior walls were painted with Barreled Sunlight INDUSTRIAL EGGSHELL WHITE for sanitation and easy cleaning and long wear and resistance to the heat and cooking vapors usually found in bake shops.



The DAVIS LAUNDRY BUILDING whose exterior was completely painted with Barreled Sunlight OUTSIDE GRANOLITH—a paint made specially to give long wear and protection on masonry and concrete surfaces. The entire interior of this same building was painted with CHINALINE ENAMEL which is especially made to withstand the acid, heat and steam which normal laundry operation entails.

As to the choice of the proper primer, modern painting science offers a wide variety of primers and undercoats for every kind of interior and exterior surface. These include outside undercoats for exterior wood, masonry primers for porous masonry, pigmented "primer sealers" for plaster walls and ceilings, rust inhibitive primers for iron and steel, enamel undercoats for fine enameling work.

The trick is to choose the primer best suited both to the surface to be painted and the finish to be used, and here Mr. Howland recommends seeking the advice of the painting contractor, paint distributor or manufacturer's representative.

Primers should be tinted to the approximate color of the finish coat to insure richness and evenness of color, and ample time should always be allowed for the primer to dry thoroughly before the finish is applied.

## A FINISH FOR EVERY NEED

As with primers, Mr. Howland suggests seeking competent advice on the proper choice of finishes, for here again the architect has at his fingertips a finish to meet every demand of both surface and service. Once a surface is properly prepared and primed, the choice of finish is to a certain extent a matter of preference, but the ability of the finish to stand wear, washing and other service conditions must also be considered.

When it comes to color, Mr. Howland points out that paint is the most flexible of all decorative media, for paints can be tinted to any color required by the decorative scheme. Deep shades, however, should be "factory tinted" for field tinting to deep shades requires so much oil color that the original sheen and even the chemical balance of the paint are often destroyed.

On-the-job tinting, however, adds to labor costs. Wherever possible, therefore, money can be saved by choosing "standard colors" as shown on manufacturer's color cards. Many color cards, in addition to showing these standard colors, also show additional colors and tints which can easily and quickly be created by "intermixing" the standard colors with each other or "letting them down" with the white.

## TRUE MEASURE OF COST

Mr. Howland cautions the architect against measuring paint costs by the common "price-per-gallon" yardstick. To begin with, he says, many "low-cost" paints cannot be thinned on the job, whereas some of the apparently "expensive" paints can and should be thinned for easy application. And when "ready-to-use," these quality materials actually cost less per gallon while de-

(Continued on page 30)





# New Rusco Prime Window Adds Glamour, Comfort and Convenience

The F. C. Russell Company of Cleveland, world's largest manufacturer of combination screen and storm sash, is now in production on windows for new building construction. The window, known as the Rusco Prime Window, is a vertical slide type that offers many advantages to both the builder and building occupant. Backed by over 12 years of field experience, the Rusco Prime Window represents an adaptation of the basic engineering principles that have made the Rusco Combination Window today's most widely accepted unit of its kind.

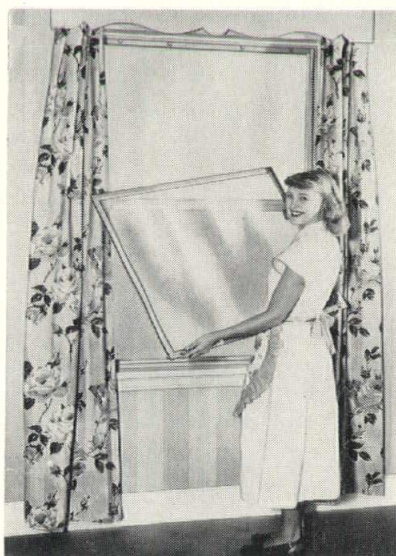
The highly successful and proven features of the Rusco Combination Window have been altered to meet the requirements of new construction. The net result is a trim, streamlined, efficient window unit that is extremely practical, durable and trouble-free. The completely assembled unit, including glass and screen panels, weather stripping and wood surround, is very simple to install, resulting in low field costs and providing year 'round protection, comfort and convenience for the home and building owner.

The new prime window is made of the finest quality Armco hot-dipped galvanized steel and finished with baked-on outdoor aluminum enamel. It requires no further painting in the field except the wood surround, which is toxic-treated for long life. The tubular construction of Rusco Prime Windows gives maximum strength and rigidity with minimum weight. The glass is bedded in mastic and held in place by a removable stainless steel spline which greatly simplifies glass replacement in case of breakage. No unsightly putty is used anywhere on the unit.

It slides freely and automatically locks in any ventilating position. No weights, balances or cords are used and the light, sturdy steel frames never warp, swell or bind. The locking mechanism is simple and positive with nothing to get out of order; assures



Beauty and utility are combined in the exclusive, streamlined design of the Rusco Prime Window. Added visibility is afforded by its greater glass area and the highly transparent Lumite Plastic Screen. Glass is held in place by stainless steel spline, eliminating need for unsightly putty. Positive locking mechanism of the fingertip-controlled Rusco Prime Window automatically locks glass insert in all ventilating or closed positions, providing prowler-proof protection.



Illustrating the easy removability and amazing lightness of glass and screen inserts. Tubular construction of the Rusco Prime Window utilizes maximum strength with minimum weight. Note trim appearance of stainless steel spline which holds glass firmly in place.

positive locking in either open or closed position.

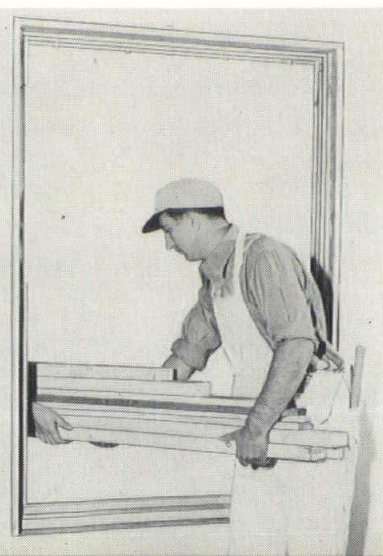
Lumite Plastic Screen Cloth is used in all Rusco Prime Window Screen Frames. It will not rust, rot, corrode or bulge and never needs painting. To clean, merely wipe off with a damp cloth. Lumite Plastic Screening eliminates the staining of side walls. This modern plastic screen insert remains in place the year 'round, offering filtered screen ventilation all seasons of the year, which means a much cleaner home. It also acts as a protective barrier against falls, which is a particularly welcome advantage in a home or apartment with small children.

Glass and screen inserts can be removed very easily from inside the home. This is a boon to builders, housewives and building maintenance men. When installing a Rusco Prime Window in new construction, the frames can be placed in position and the glass and screen panels can be inserted at a later and more convenient time, when the home or building is ready to be occupied. This eliminates unnecessary breakage while a house or building is under construction. Also,

by taking out or leaving out the glass and screen inserts, lumber or furniture can be passed through the extra wide frames. This feature also simplifies window cleaning because both screen and glass panels can be easily washed inside the home, thus eliminating all dangerous outside work usually associated with the cleaning and washing of the more conventional vertical slide type window.

The Rusco Prime Window may be had in conjunction with inside adjustable self storing insulating panels. The

*(Continued on page 30)*



The Rusco Prime Window screen insert stays in place year 'round, is removable only from inside, assuring absolute safety for small children. Lumite Plastic Screen withstands great strains and impacts, will not bulge or sag, rot or corrode. Never needs painting, will not "bleed" on sills or siding. With glass and screen removed from the Rusco Prime Window, it becomes a convenient opening for entry or removal of building materials, furniture, etc.





Top left, left to right: Bill Ianni, Mrs. Jos. Ceruti, Mrs. Ianni, Jos. Ceruti and Otto Spieth register at Nela Park. Top center, left to right: Mrs. C. Melvin Frank, Mrs. Geo. E. McDonnell, Mr. McDonnell, Karl Domino, Mr. Frank, Mrs. M. P. Lauer, Mrs. Domino, Mrs. Michael O'Shea and Mr. O'Shea at Nela Park. Top right, left to right: Mrs. Ed Bock, Mrs. Gordon Killip, Mr. Killip and Mr. Bock at Nela Park. Lower left, left to right: seated: Mrs. Arthur Scott, Mrs. E. Vance Florence, R. N. Zuber, Mr. Florence and John H. Samuels at Nela Park. Lower right, left to right: standing: H. L. Holroyd, John Hargrave Paul Wefel and J. C. Lehman, seated Mrs. N. J. Widing, Mrs. W. J. Wefel, Mrs. Paul Wefel and W. J. Wefel at Nela Park.



# POLLAK

## RAIL STEEL REINFORCING

### A NEW INDUSTRY FILM

### "Rail Steel in the World of Today"

in Kodachrome, with musical score  
LOWELL THOMAS, Narrator

Available now to professional and student Architectural and Engineering Societies, Engineering Colleges, Contractors' Associations etc.

A fast moving colorful factual presentation. A look into the past, present production and use and a look into the future with hookless reinforcing bars. Write Rail Steel Bar Association, 38 South Dearborn Street, Chicago 3, Illinois for application form.

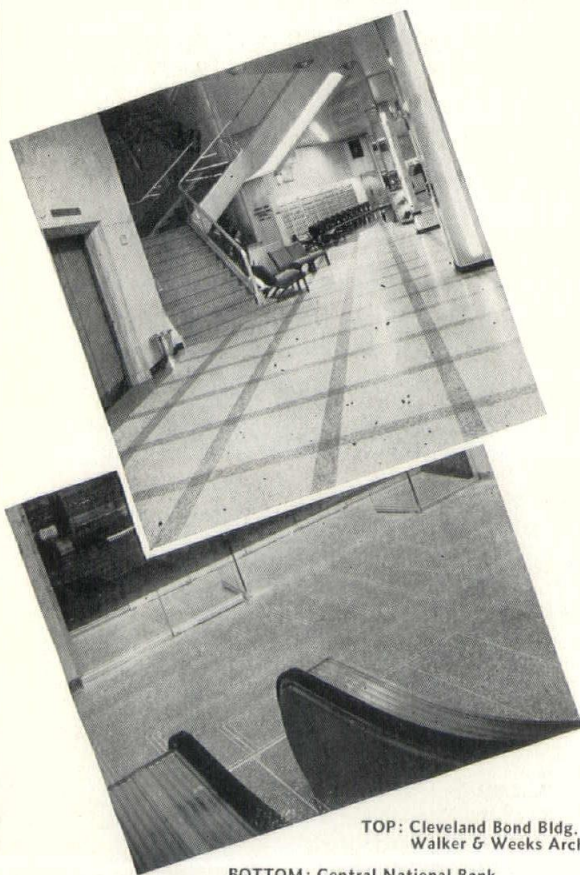
### THE POLLAK STEEL COMPANY

GENERAL OFFICES: CINCINNATI 2, OHIO  
MILLS: MARION, OHIO





At Nela Park, Upper left, left to right: Mr. and Mrs. Wilbur Riddle and Mr. and Mrs. Paul Ruth look at the birdie. Upper center: Paul Ruth and Howard Horn in the midst of a weighty discussion. Upper right: The "Nite Owls" of the A.S.O. had a party after the party at Nela. Lower left, left to right: Erwin Lauffer, Douglas Maier and Alexander Robinson III look pretty for "Ohio Architect's" staff photographer. Lower right, left to right: Warren, Ohio, delegation H. J. O'Brien, C. S. Steiner, Jr., T. R. Johnson, K. Grizer and Pete Folata.



TOP: Cleveland Bond Bldg.  
Walker & Weeks Architects

BOTTOM: Central National Bank  
Conrad-Hays-Simpson & Ruth Architects

**Where Floors Must Hold Their Beauty  
Under Hard Wear . . .**

## **TERRAZZO**

. . . is the logical material. It combines colorful beauty with well recognized durability and a low maintenance cost that appeals to every building owner.

●  
**MARBLE • GRANITE • SLATE  
TILE • TERRAZZO  
CRAB ORCHARD STONE**  
●

*over quarter century experience  
in permanent materials*

**The Interior Marble & Tile Co.**

4300 EUCLID AVE. • HENDERSON 1660 • CLEVELAND 3, OHIO

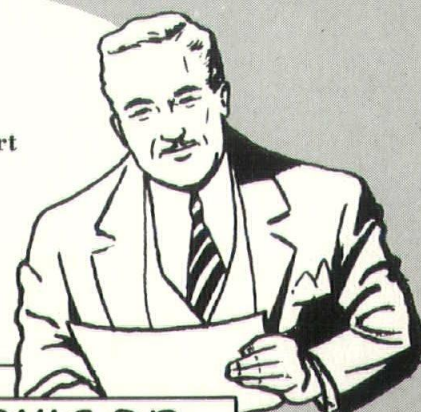




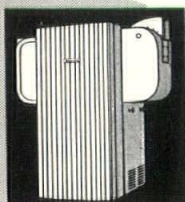
Upper left: A.I.A. President Ralph Walker addresses Architectural students at the Convention. Upper right, left to right: Charles C. Colman, Max Mercer and Emory J. Ohler rest after their arduous duties. Lower left, left to right: Robt. Little, George Voinovich, Karl Britsch and Wallace Teare relax. Lower center, left to right: Gilbert Coddington, Paul Ruth and Ralph Walker enjoy refreshments. Lower right, left to right: C. C. Britsch, Wallace Teare, Jos. Ceruti, C. Curtis Inscho, Gilbert Coddington, Paul Ruth and Ralph Walker enjoy a talkfest.

## Meet your Gas advisor!

Here's a man you'll want to know. He's an expert in the field of gas heating and air conditioning. Your Gas Advisor will be happy to go over building plans with you. Now that the Gas Supply is greater, our expert Advisor is a very busy man—but not too busy to see you by appointment.



**ADVISOR**



*Instant Cooling—Instant Heating*  
Ask about Servel All-Year  
Gas Air Conditioning.

THE OHIO FUEL  
*Gas Company*







Upper left, left to right: Lee Worley A.I.A. and Helen Kennedy of the Cleveland Convention Bureau bossed the registration. Upper right, left to right: Michael O'Shea and party patiently await their luncheon. Lower left, left to right: Walter Damon, Forrest Rennison, Geo. C. Walters, M. P. Lauer and Karl Domino register at the Convention. Lower right: President Walker addresses the student group.

## *It was Done in . . .* **PORCELAIN ENAMEL**

*Selected for . . . permanent color and beauty . . . extreme low maintenance . . . lasting durability*



Leavitt and Spieth, Architect  
Cleveland, Ohio

Watkins Furniture Co.  
Lake Shore Blvd. at 222nd St., Cleveland, Ohio

**R. L. WURZ CO.** *Architectural Porcelain Enamel*  
1836 Euclid Ave. • CLEVELAND, OHIO • Tel. CHerry 7830

MEMBERS OF THE CLEVELAND BUILDERS EXCHANGE, INC., OF CLEVELAND, OHIO







## Cleveland Convention Highlights

(Continued from page 7)

Joe Weinbergs, G-E's "This-Wizard-Of-Ours" Rodgers, John E. Miller, and George Mayer. A good time was had by all.

### FOR ARCHITECTS' WIVES ONLY

Mrs. J. Byers Hays and Mrs. Frank K. Draz did a spartan job as co-chairmen of the brilliantly planned program for the LADIES. Friday morning two chartered busses whisked the ladies out to the cultural center where, according to individual preference, the women visited the Garden Center, Severance Hall, or the Art Museum. The final ticket on the docket was to meet at the Art Museum at noon. One of the hostesses (name withheld on request) was such an ardent good shepherd that she almost succeeded in herding some by-standers aboard the bus to Stoufer's at Shaker Square for lunch. After a "most delicious luncheon" there, the next stop was the dress rehearsal for "Romeo and Juliet" at the Playhouse. Punch and cookies was hardly enough temptation to get the women to leave the rehearsal; they were enjoying it too much to leave. This feeling was reciprocated by the Playhouse Players, as they were delighted to have the architects' wives present—for, as usual, the architects' wives were wonderful guests. Hitting the schedule, the busses were back at the Hotel just in time for the ladies to make a quick change to get to the cocktail party sponsored by the Cleveland Chapter of the A.I.A.

### THE PICTURES ON THE OPPOSITE PAGE

The Picture on the opposite page shows pictorial highlights of the Building Material Exhibit of the Cleveland Convention. Exceptional interest was aroused and it was voted to be the finest exhibits ever shown to Ohio Architects at any Convention.

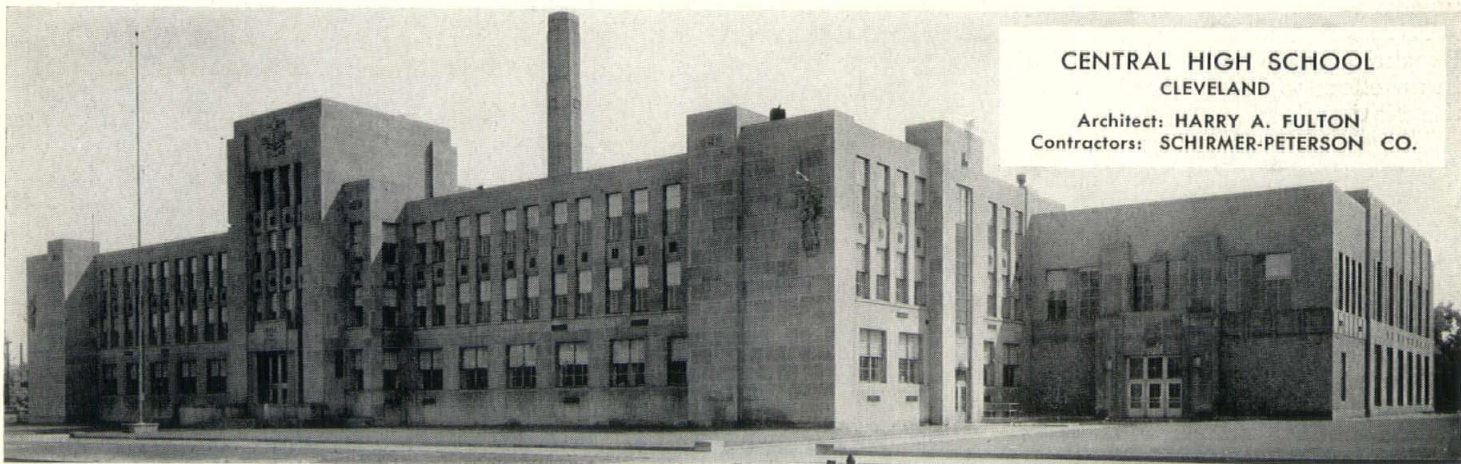
## BUSINESS

Ah! Yes! Business. Let it not be said that nothing productive was accomplished at this convention. This year's business meeting spawned a new A.S.O. Off with the old, on with the new. The Architects' Society of



Sammy Smith and Peck Bey of G-E were the busiest bartenders in town during the G-E cocktail hour for the Architects.

Ohio was officially wiped off the books, and it was unanimously passed that a new organization be born . . . The Architects' Society of Ohio, Incorporated. It is still a part of the A.I.A. It's bookwork, folks, you don't need to worry about that membership card.



CENTRAL HIGH SCHOOL  
CLEVELAND

Architect: HARRY A. FULTON  
Contractors: SCHIRMER-PETERSON CO.

● Berea Sandstone, in various hues and patterns, affords the architect admirable opportunities to enhance the appearance of large or small projects. Tested in Ohio for decades, Berea Sandstone has proved its value for all types of construction. Specify it for economy, permanence and extra beauty.



THE CLEVELAND QUARRIES COMPANY  
CUT STONE DEPARTMENT: 1740 EAST TWELFTH ST., CLEVELAND 14, OHIO

# BEREA Sandstone

A NATURAL STONE FOR ADDING BEAUTY AND PERMANENCE TO ALL ARCHITECTURAL PROJECTS



## Cleveland Convention Highlights

### BUSINESS DISCUSSED

A new law, a re-write on the present law, to actually define ARCHITECTURAL SERVICES, has passed the Ohio Senate, but before it could come before the House, the House recessed. As a result "what can an architect do that a builder can't" remains in question, it seems; legally, that is, until the next session.

A new contract, between architect and owner, to comply with the Ohio State Laws, has been reviewed and the A.S.O. Board will have it out for use in a short time. The Board is just making a final check.

Carl Guenther brought up the fact that the State is writing up a contract for the architect in State work. This State contract creates a financial hardship on the architect; and it is hoped that this new A.S.O. contract between architect and owner will also be accepted by the State for its work.

Ralph Walker, president of the A.I.A. sponsored two informal meetings of great interest to the profession as a whole:

His first meeting was with the students of the Architecture School of Western Reserve University. In an informal question-and-answer period, he sought to determine the grade and status of the architect upon graduating—was he of enough value to his future employer? Was he a competent draftsman with a good background in design, humanities, structures, etc.? Was he capable of "being employed"? And sundry other questions. Mr. Walker has been making a tour of the architecture schools in the United States in an effort to get an overall picture of what is going on in order for the A.I.A. better to know what should be done to further the profession of architecture by formulating a better program in education.

His second meeting was with the Cleveland Chapter Executive Committee and the Ohio Chapter presidents in an effort to better coordinate the State Chapters with the National.

### ELECTIONS OF NEW OFFICERS FOR 1949-50

President .....George S. Voinovich  
First Vice President .....Carl C. Britsch  
Second Vice President .....Emory J. Ohler

Third Vice President .....William B. Huff  
Secretary .....John W. Hargrave  
Treasurer .....H. Walter Damon  
Past President .....C. Curtiss Inscho

### LUNCHEON AND DINNER SPEAKERS

It seems that there is a sudden awakening to the tremendous need for Public Relations Development in the Architectural profession. All four speakers, Egbert Jacobson, Director of Design of the Container Corporation of America; Emil J. Bartunek, sent by Mayor Burke to represent him in his absence; Hugh R. Pomeroy, Director, Department of Planning, Westchester County, New York; and Ralph Walker, President of the A.I.A. embellished this idea in their talks to the Conventioneers. To give a very fast spot of some highlights of their talks:

Jacobson: "A story can best be illustrated by the Best."

Bartunek: "The architect should design buildings that win the public's respect."

Pomeroy: "Planning is more than Plans."

Walker: "Make many little plans. The habit of planning is more important than large plans moldering in the dust of files." "A building is more than a building on a lot on a block on a street."

The program for this year's convention was planned by George S. Voinovich and his committee—let's all give them a big hand. Everyone there had a wonderful time and were voiciferous in their praises.

### THE SEMINARS ON PLANNING

The Seminar on "Planning and the Housing Act of 1949" with Ernest J. Bohn as Moderator was exceptionally well attended and was well worth the trip to the Convention. Among the speakers present were:

John Searles, Jr., U. S. Slum Clearance and Urban Redevelopment Program; Proctor Noyes, Dir. Cuyahoga County Regional Planning Commission, and Herbert W. Starick, Planning Director, Dayton City Plan Board.

At the Luncheon which followed the Seminar, Hugh R. Pomeroy, Dir. Dept. of Planning, Westchester County, N. Y., spoke on "The Architects' Responsibility in Planning," an exceptionally able talk to conclude the exceptionally able talks of the three Seminar speakers.

Copyright 1949, H. A. ERF



Your theater, new or old, can also have excellent acoustic properties. Consult with us.

**THE H. A. ERF  
ACOUSTICAL CO.**

CLEVELAND

3868 Carnegie—EXpress 1616

COLUMBUS

TOLEDO



## Architectural Competition Winners

(Continued from page 7)

Class No. 5—Ecclesiastical, social and fraternal—churches, clubs, lodges.

Class No. 6—Educational—schools, libraries and museums.

Class No. 7—Commercial—office buildings, stores, bank buildings, theatres, garages, telephone exchanges, etc.

Class No. 8—Industrial—factories, power plants, etc.

Class No. 9—Public buildings—fire houses, police stations, city halls, court houses, etc.

Class No. 10—Farm buildings—farm residences not the rural home of an urban worker, stock and dairy buildings, poultry buildings, etc.

SECOND MEDAL: to: Mellenbrook, Foley, and Scott, Archs., Berea for: The Race Street Elementary School for the Berea Board of Education, in Berea.

HONORABLE MENTION: Garfield, Harris, Robinson & Schafer, Archs. for: The National City Bank at E. 107th and Euclid Ave., Cleveland.

MENTION: to: Anthony Gattozzi, Commissioner of Architecture, Cleveland, for: Fire Station, Cleve-

land.

MENTION: to: W. Ray, Yount, Architect and Engineer, Dayton for: The Moraine Paper Company in West Carrollton.

(Note: Subsequent issues will reproduce these winners)

The jury made several valuable suggestions for future competitions: 1. The presentation need not be too elaborate. The jury is composed of professional men to whom the possibilities of a building are visible without all the fol-de-rol.

2. Too many small photographs are confusing.

3. Plot plans should be submitted. A most important part of the building is its orientation to other buildings, to its site, streets, etc.

Mr. Joseph Ceruti, the Competition Chairman feels that: 1. There was not enough representation from the out-of-towners. All the local chapters should be more active in stimulating a turn-out for the competition each year. 2. It is a mistake to limit entries to one in each classification, There are specialists in the various fields, therefore why should they be limited to only one entry? 3. And as did the judges, Joe feels that ideas are important, not the presentation.

# SPECIAL MILL WORK

*Five Convenient Locations in Northern Ohio*

CARTER-JONES LBR. CO.

172 N. Case Ave.

AKRON O.

WOOSTER LBR. CO.

Opp. Fairgrounds

WOOSTER, O.

CARTER-CHRISTENSON LBR. CO.

1047 Tuscarawas Ave.

DOVER, O.

ASHLAND COUNTY LBR. CO.

601 Miller St.

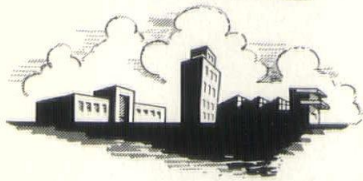
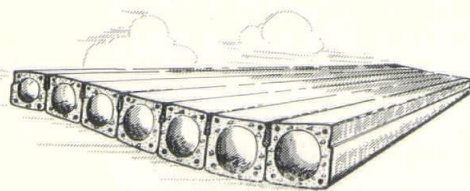
ASHLAND, O.

ERIE COUNTY LBR. CO.

1505 Milan Rd.

SANDUSKY, O.

**COMPLETE SERVICE IN ALL BUILDING MATERIALS**



Here's that "Magic Carpet" we were talking about...

## PERMACRETE CORFLOR

8" x 8" STEEL REINFORCED CONCRETE BEAMS • 53 lbs. per sq. ft. weight

### SPAN LOAD TABLE

NET ALLOWABLE LOAD — POUNDS PER SQUARE FOOT

Tension Bar Dia.	CLEAR SPAN — FEET										
	12	14	16	18	20	22	24	26	28	30	32
5/8"	510	360	265	200	150	117	90	70	53	40	35
1/2"	310	210	150	110	80	57	40	34			
3/8"	140	90	58	35							

FIREPROOF • RAPID INSTALLATION (4000 to 6000 sq. ft. per day) • PRESTRESSED TENSION BARS.

## PERMACRETE PRODUCTS CORPORATION

1839 S. WALL ST.

— COLUMBUS 7, OHIO



## Ecole des Beaux-Arts Admittance Changes

An important step opening the way for graduates of American schools of architecture to be admitted to the renowned French school of fine arts, the Ecole des Beaux-Arts, was announced today by the American Institute of Architects.

Up to this time, graduates of American schools of architecture were admitted to the Ecole des Beaux-Arts only after a detailed qualification procedure. Under the new arrangement with the French school worked out by Julian Clarence Levi, New York, chairman of the Committee on International Relations of the A.I.A., selected graduates of American schools will be admitted by Beaux-Arts without examination.

In effect, the selected American architects will have the benefit of postgraduate study at the 300-year-old Paris institution at the expense of the French government, since the school is supported by the government and has no tuition fees, Mr. Levi said.

"The new agreement reflects international recognition of the high standing of architectural education in the United States," Mr. Levi said. "In the past, all American students have been required to pass a series of formidable examinations for admission. The new plan is also a step forward in understanding and exchange of cultural ideas between the two countries."

The Ecole des Beaux-Arts will accept up to ten graduates of schools which are members of the Association of Collegiate Schools of Architecture. Selection will be made by a committee of the A.I.A. on the basis of applicants' scholastic records, architectural designs and other criteria. Members of the committee are Leopold Arn-

aud, chairman, Dean of the School of Arts, Columbia University; George S. Koyl, Dean of the School of Fine Arts, University of Pennsylvania; Charles Butler, New York, practicing architect, and Mr. Levi.

Successful applicants will be admitted to the higher of the two architectural classes of the school to participate in its noted architectural competitions.

"The number of American students at Beaux-Arts has become negligible in recent years, in contrast to a usual enrollment of 50 or 60 Americans around the turn of the century and through its first decades," Mr. Levi said. "A decline came about with the great progress in architectural education and the spread of schools in this country. In fact, the tide turned somewhat with the French looking to America for new construction techniques, and we have brought French students here on travel scholarships for study in architects' offices. A revival now of American attendance at Beaux-Arts furthers the mutual benefits of cultural exchange in architectural development."

Official arrangements for the privileged admission of American post-graduate students to the school were made by Levi in Paris last month with Louis Joxe, Director General of Cultural Relations in the Ministry of Foreign Affairs; Jacques Jaujard, Director General of Arts and Letters in the Ministry of National Education; and Nicholas Untersteller, Director of the Ecole des Beaux-Arts.

Mr. Levi is president of the American group of Beaux-Arts alumni, the Societe des Architectes Diplomes du Gouvernement.

## CONSTRUCTION AND MATERIALS OUTLOOK

### NEW CONSTRUCTION ACTIVITY

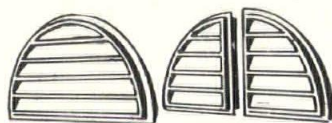
A re-examination and re-valuation of current construction trends, jointly by the Departments of Commerce and Labor, indicates that a total of \$19.0 billion of new construction probably will be put in place during the full year 1949. Privately financed construction is expected to reach a total of about \$13.8 billion for the entire year—some 5 percent below that of 1948, while publicly financed construction is expected to show an expansion of 23 percent over last year's expenditure levels to reach a total of nearly \$5.2 billion.

In the privately financed segment, a decreased volume of New housing starts, coupled with declining construction costs and a growing trend toward the erection of smaller, less expensive homes, pointed to a cutback in expenditures for new residential construction from a 1948 total of \$7.2 billion to 6.5 billion in 1949.

Expenditures for private nonresidential buildings for the full year (3.35 billion) are expected to lag some 6 percent behind those of 1948 (\$3.58 billion). Within this component, gains in warehouse, office and loft building expenditures and in construction of privately financed school, hospital and church buildings are expected to be offset by declines in the construction of new industrial buildings and of stores, restaurants and garages.

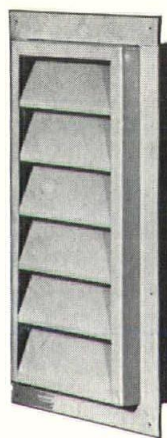
Public utility construction is expected to reach record proportions in 1949, in terms of both physical volume and dollar value. It is anticipated that privately owned electric light and power companies will spend over \$1.4 billion for new construction in 1949 and gas companies will put in place new construction valued at \$880 million. These figures both represent 14 percent increases over 1948 record expenditures by electric and gas utilities.

(Continued on page 23)



## Specify DONLEY for Ventilator Quality, Variety and Economy

Whatever your ventilator needs, you can satisfy them from the Donley ten sizes, a variety of styles, assurance of long, gratifying service . . . Easily installed. Only necessary to anchor peripheral flange back of siding, in case of wood construction or face masonry where wood or stone . . . Substantially made of heavy gauge steel, thoroughly protected and screened against insects. Note hip roof type at right, with baffles to exclude wind-blown snow or rain.



### DONLEY ATTIC VENTILATORS

meet every situation . . . Note at top two curved types — half round, popular in colonial homes and quarter round, used where chimney divides gable. Catalog and full information on this and scores of useful Donley Devices available on request.

### THE DONLEY BROTHERS COMPANY

13972 MILES AVENUE, CLEVELAND 5, OHIO



## REPORT FROM THE CLEVELAND CHAPTER

The most important occurrence in Cleveland this month, of course was the convention; news of that appears elsewhere in this issue.

### RECENT EVENTS DEPARTMENT

Ohio didn't make a very good showing at the GREAT LAKES DISTRICT SEMINAR in Indianapolis on September 30, October 1—the only Ohio chapter president of the A.I.A. present was our own Paul Ruth; thanks for standing by Cleveland, Mr. Ruth. From reports the most sensational, disturbing remark of the conference was made by Robert Newman of M.I.T. during the acoustics seminar when he stated that every person equaled four square feet of open window. The repercussions from this lasted throughout the seminars. Wilbur Riddle did an excellent job as moderator, leading the seminar on "Color and Light in Architecture."

### CORRECTION NOTICE

In the Convention Issue Joe Weinberg was listed as the chairman of the Urban Planning Committee; correction, please—J. Byers Hays is the chairman, with members Weinberg, Mayer, Willits, Grade and Keller.

### TRANSFER OF STUDENT ASSOCIATES

Whenever a student associate completes his collegiate training and becomes employed or otherwise engaged in the profession of architecture, he shall be transferred to the chapter in which he has established his residence or place of business and to the junior associate, or associate class, whichever seems more applicable, by the executive committee of that chapter, and his status as a student associate thereupon ceases.

There will be a few months grace on this because the by-laws are as yet on the old basis. The Cleveland Chapter will not act until definite instructions arrive from the Octagon.

Ann Halle Little and Edward Michael Yantko were unanimously voted into the chapter as Student Associates of the Chapter at the Executive Committee meeting on July 8, 1949. This news was reserved until the Student Associate membership could be clarified. Ann (Mrs Robert A. Little) graduated from the Cambridge School of Architecture and worked in Cambridge for D. Holmes Perkins on the Regional Planning Commission. She plans to take her state boards "sometime in the

future" after more architectural experience. Welcome Mrs. Little and Mr. Yantko!

Alfred G. Hall, partner in Wilbur Watson Associates, was elected to corporate membership on September 20, 1949 in the Cleveland Chapter.

THE NATIONAL A.I.A. is instigating a letter-per-month to each chapter president called MEMO FROM THE OCTAGON. In case you have missed it I'll endeavor to wade through the Washington-style double lingo each month to keep you informed. Here goes for the first condensed.

### MEMO FROM THE OCTAGON

1. Final arrangements are being completed for the VII PAN-AMERICAN CONGRESS OF ARCHITECTS. There will be an excellent exhibit of current architectural work at this Congress and all the indications are that a large delegation of U. S. architects will attend. Place: Havana, Cuba; Date: December 8-14.

Note: Lottie Helwick just received a letter from Edmund R. Purves, Executive Director, A. I. A., asking for the names of any of our members who would be in a position to undertake representation of The Institute abroad, if called upon to do so. This request came up in connection with the Pan-American Congress just mentioned. The A. I. A. is continually being called upon to send representatives to various Congresses and meetings in other countries which are of interest to the profession. Too, there are a large number of distinguished architects of other countries coming over to the U. S., both as individuals and as members of official delegations; and it would be desirable to refer these visitors as they travel about this country to those members of The Institute who speak foreign languages. (Those who are in a position to represent The Institute abroad are to bear in mind that they must also bear the expenses.) Whoops, hit a bump . . . but contact Lottie if interested.

2. The list of rental-housing projects under the Military Housing Bill (P.L.211) will soon be given out by the Military authorities who have asked for 261,000 units to be built on leased land on or adjacent to military reservations and bases. The projects' development procedure will be similar to FHA's title 608.

3. ARCHITECT'S INCOME TAX: Bill H.R.3224, (the Silverman Plan) which was crowded out of this session, will get a quick start when Congress reconvenes

(Continued on page 23)

## FOR QUALITY... ALWAYS SPECIFY

### BRYANT HEATER CLEVELAND SALES BRANCH

2110 East 21st Street, CLEVELAND 15, Ohio. Phone MAin 5732

### BRYANT-MILLER CO.

Gas Company Bldg., Center & High Sts., SPRINGFIELD, Ohio. Phone 26290

### BRYANT-KINNARD CO.

1201 Miami Savings Bldg., DAYTON 2, Ohio. Phone Adams 9706

### BRYANT GAS HEATING CO.

1649 Blue Rock Ave., CINCINNATI 23, Ohio. Phone Dunbar 5210



Let the pup be  
furnace man  
... and water boy, too!



THE MOST COMPLETE LINE OF GAS HEATING EQUIPMENT IN THE NATION



# GARAGE DOOR HEADQUARTERS

MARVEL-LIFT SECTIONAL DOORS  
Made to Harmonize with Your Design

RESIDENTIAL RADIO CONTROL  
and  
COMMERCIAL OPERATORS

THE  
**Crawford Door Sales Co. of Ohio**

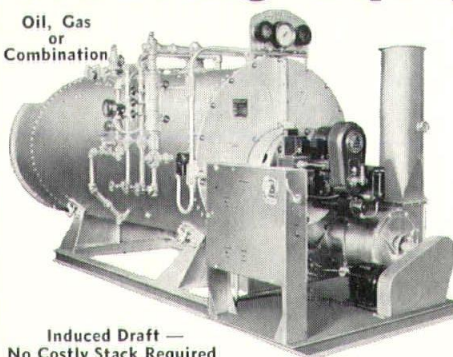
938 HANNA BUILDING  
CLEVELAND 15, OHIO

Phone TOWer 1-1100

DEALERS IN ALL PRINCIPAL CITIES

Your Client will be interested in  
**PREFERRED UTILITIES** *Guaranteed*  
**Heating Equipment**

Oil, Gas  
or  
Combination



Induced Draft —  
No Costly Stack Required

This is a  
**PACKAGED  
STEAM  
GENERATOR**

80% Thermal  
Efficiency  
Guaranteed

FOUR PASS DOWN DRAFT BOILER  
COMPLETELY AUTOMATIC  
LOW FURNACE — AMPLE STEAM CAPACITY  
20 TO 500 HORSEPOWER  
15 TO 250 POUND PRESSURES  
HIGHER ON REQUEST

Write for Catalog

**P. J. SHOMER CO.**

Ferguson Bldg. • SU. 8242 • Cleveland, Ohio

Service 24 hours a day



Top: Judge Nathaniel Owings studies the winning entry in the A.S.O. Competition. Below, left to right: Judge Nathaniel Owings, A.I.A. President Ralph Walker, Judge Robert Schmertz and Chairman Joseph Ceruti of the A.S.O. Competition Committee discuss the awards. Below: Edward Flynn and William Conrad study the Competition entries. Below: left to right: Irving Geist, Mrs. Stewart, Mr. Damon and Mr. Ianni look over the entries.



## Report of the Cleveland Chapter

(Continued from page 21)

in January—so advises Congressman Clifford Davis of Tennessee, who introduced it. Be sure to write your congressman to OK this Bill.

**WARNING FROM EDMUND R. PURVES:** The Housing Act of 1949 authorizes a total of 810,000 units of low-rent housing projects to be built by local public housing authorities in the next six years. The proposed schedule of fees for these projects has not been approved by the A.I.A., but the present attitude of the PHA is that they will offer their schedule without the A.I.A. approval hoping that the "locals" will bite.

**4. PUBLIC RELATIONS HANDBOOKS:** A new handbook, called "Telling Your Story" is being prepared for final draft to submit to President Walker. This handbook is completely new and has an entirely different approach than the draft of a similar handbook distributed to The Board previously called "How to Tell Your Story." There is also in the mill a public relations manual for practicing architects.

**(EDITOR'S NOTE:** The A. I. A. is moving out of the Octagon starting as of October 1. This will probably initiate a new handbook called "Tell Your Story" or maybe even "What is Your Story and How To Tell It." But to be less facetious, in case you're going to Washington on business with the A.I.A. they will now be found quartered in a new building "at the side and rear of the Octagon property"—which side, and which rear, they neglected to say. However, they will keep the same mailing address, if that helps any.)

### NATIONAL GOLD MEDAL EXHIBITION

The Architectural League of New York, 1950, announces its annual National Gold Medal Exhibition. The preliminary submissions are due November, 10. The exhibition shall be limited to work executed since 1938. Anyone interested call Lottie for a circular of information.

### PRIZE AWARD FORD W. R. U. STUDENTS

The A.I.A. as a co-sponsor with the Illuminating Engineering Society is giving a 25 dollar (\$25.00) cash prize and certificate award for a problem in illumination. The A.I.A. will help prepare the project and serve as committee of judges. The problems will be judged about February 15th and will be handed out before long as part of the regular curricular activity, at the school of Architecture, Western Reserve University.

Read all about the doings of the 15th Annual A.S.O. Convention winners of the competition and the Social doings elsewhere in this issue.

## Construction and Materials Outlook

(Continued from page 20)

ties. New construction work by railroads and by telephone and telegraph companies is expected to remain about the same level this year as in 1948. Construction of new petroleum pipelines will also total about the same as last year, but a substantial drop is anticipated in the volume of new construction by privately-owned local transit systems.

When reports for the full year are in, it is expected that most of the 1949 increase in publicly financed construction will stem from advances in non-residential building, in highway construction and in expenditures for conservation and development. Public non-residential building, reflecting the large school and hospital building programs now under way, is expected to total \$1,575 million in 1949—a 49 percent gain from last year's total of \$1,057 million. State and locally financed housing projects and extension of sewer and water

(Continued on page 32)

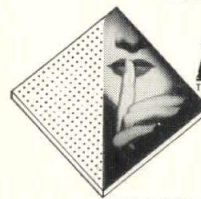


Lindner-Davis Company, Cleveland, third floor. Ceiling of Acoustel Perforated Metal Tile with air-flow channels, approximately 33,000 square feet. Architects — Ward & Conrad.

Catalogs, acoustical analyses, recommendations, estimates promptly supplied on request.

## The George P. Little Company, Inc.

Cleveland • Pittsburgh  
Akron • Columbus • Toledo



**ACOUSTI-CELOTEX**  
TRADE MARK REG. U. S. PAT. OFF.

*Sound Conditioning*

PRODUCTS FOR EVERY SOUND CONDITIONING PROBLEM

**Knowledge  
+ Facilities  
= SERVICE!**

Let Mid-West help you keep your clients quiet with the best Acoustical Products.

★ ★ ★

SIX CONVENIENT LOCATIONS WHERE  
YOU MAY GET ASSISTANCE IN SELECTING  
THE PROPER ACOUSTICAL AND  
PARTITION MATERIALS

### OFFICES AND WAREHOUSES

AKRON .....419 Locust St. ....JE 7934  
CLEVELAND ...1812 St. Clair .....MA 0031  
COLUMBUS ...1550 W. Mound St. ....RA 8497  
DAYTON .....16 Eaker St. ....MI 1643  
TOLEDO .....418 Front St. ....TA 8285  
SPRINGFIELD ..264 Dover Rd. ....4-4503

"Specify Mid-West for Products of the Best"

## The Mid-West Acoustical & Supply Co.

SOUND CONDITIONING ENGINEERS & CONTRACTORS  
General Offices & Warehouse: 1812 St. Clair Ave., Cleveland 14

See us at Booth 20—the A.S.O. Convention



## ARE OFFICE BUILDING COSTS PROHIBITIVE?

Can an office building built at today's prices compete successfully with a similar structure erected prior to World War II? Seemingly one answer to this is that countless millions of dollars of building projects are temporarily laid on the shelf today from New York to San Francisco and from Montreal to New Orleans labeled "Not economically feasible at current building costs."

On the contrary, however, there are a brave few who have tackled the problem with forthright determination and with a result that contracts have been signed and construction is under way.

In Los Angeles, are two outstanding examples of major construction jobs now in progress. The General

Petroleum Corporation is building what is to be Los Angeles' largest downtown office building and Prudential Insurance Company of America is constructing a two block long height limit edifice to house its newly organized Western Home Office.

Both will cost approximately \$7,000,000. The General Petroleum structure will contain 530,000 square feet and the Prudential building 517,000.

### "COST-DESIGNED"

General Petroleum executives explained their reaction to today's construction costs as follows:

"Construction is economically feasible today provided the building is properly 'cost-designed.' In General Petroleum's case, our architects knocked from 10 to 12 percent off the generally accepted cost of constructing an office building largely through simplicity of design and use of light-weight materials."

The architects, Walter Wurdeman and Welton Becket of Los Angeles, deny possessing any magic wand to be waved over contractor's estimate sheets. They explain the situation this way:

"Talk of the construction of an office building, in fact, any commercial structure, immediately brings up the client's prime problem: Can it be made to pay? Can it compete with structures built prior to World War II at one-half the cost?"

"There are three obvious ways to lower construction costs. One is to reduce labor costs; another, to reduce material costs, and the third, to lower the quality of the building. The latter method is unsound because it results in excessive maintenance and repair bills which nullify the initial gain, and there seems little likelihood that labor or material costs will drop in the near future.

### SIMPLE ALTERNATIVE

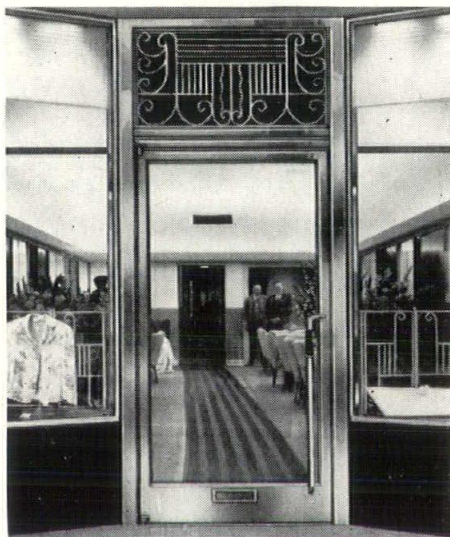
"Faced with this situation, we determined, with the assistance of our engineer, Murray Erick, to accomplish lowering of building costs through the simple alternative of not using so much labor and material, while retaining quality of construction.

"First of all, every operation in the process of construction was thoroughly analyzed. Costs were charted over a period of years.

"We discovered that the percentage of rise in construction as a whole was not evenly distributed throughout the forty-six separate operations that comprise a building job. Where over-all costs showed an increase of 90 percent, some operations showed a rise of as little as 23 percent, while others had jumped 320 percent over their 1940 average.

"Some examples are: Forms, up 320 percent; plumbing, up 286 percent; and carpentry, up 185 percent. On

## KLEER-VU ... AN INVITATION TO ENTER



KLEER-VU DOORS AND ENTRANCES  
IN

ALUMINUM — BRONZE — STAINLESS STEEL

Write Today for Catalog and Full Scale Working Details

**THE RELIANCE ART METAL CO.**

601 W. McMICKEN

CINCINNATI 14, OHIO

## HUBBELLITE THE SANIGENIC FLOOR SURFACING

Can be applied to any old or new concrete or wood floors that are structurally sound.

It inhibits the growth of molds and fungus, especially the fungus that causes athletes foot, drains off static electricity before it can build up to a sparking potential, and is a cockroach repellent.

HUBBELLITE should be used in kitchens, locker and shower rooms, toilets, operating rooms, or any area where sanitary features are desired.

**BENJ. R. DRAYER**  
44 W. Longview Ave.

**Licensed Applier**

**COLUMBUS 2, OHIO**  
Lawndale 9232



the other hand, linoleum is only up 46 percent; metal sash, 44 percent; and rubber tile and acoustical tile none.

#### ATTACK LARGE ITEMS

"Our attack then was levelled at those large items showing the greatest percentage of increase.

Heavy-weight concrete fireproofing with all the wooden form work attendant to it, was found to have increased tremendously in cost. The weight of the concrete, too, resulted in a heavy steel frame to support it. Too much structural steel was going into modern structures."

Wurdeman and Becket's architectural organization, one of the largest in the nation, adopted the slogan, "Lightness without weakness, strength without weight," as their basic principle for structural design. They pioneered in the elimination of heavy-weight fireproofing through the use of lightweight aggregates and vermiculite plaster.

#### PROVE BY TESTS

Every step of the way, the architects had to prove through exhaustive scientific tests the soundness of these materials when properly applied. Murray Erick spent weeks working with the Smith Emery Laboratory to prepare detailed reports of the Los Angeles City Department of Building and Safety. The outcome was official approval of the "Lightness without weakness, strength without weight" design.

As a result, walls of the General Petroleum building are being built of concrete blown from guns, in order to save forming labor and material. The design calls for simplicity in steel framing, eliminating the deep reveals and heavy masonry piers so characteristic of many buildings. The net result is a much lighter and simpler structure, and a much less expensive one.

#### SAVING STEEL

Both the General Petroleum Building and the Prudential Building, if designed and constructed as has heretofore been general practice, would require about 5,000 tons of structural steel. The actual tonnage of these buildings will not exceed 3,8000, a saving of 1,200 tons of steel. There are also enormous savings in heavy concrete, in temporary form work, in reinforcing steel and in footings.

Examples of these savings are reflected in the figures of the Prudential Building.

General Contractor's Budget on Basis of standard design July 7, 1947:

Steel (Struct.), \$800,000; Steel (Reinf.), \$253,750; Forms, \$1,000,000; Concrete, \$605,000; Masonry, \$800,000; Lath and Plaster, \$320,000.

General Contractor's estimate based on complete plans - January 8, 1948:

Steel (Struct.), \$658,646; Steel (Reinf.), \$253,750; Forms, \$1,100,000; Concrete, \$503,820; Masonry, \$638,123; Lath and Plaster, \$429,073.

Increase in cost over original budget:

Lath and Plaster, \$109,073.

Decrease in cost over original budget:

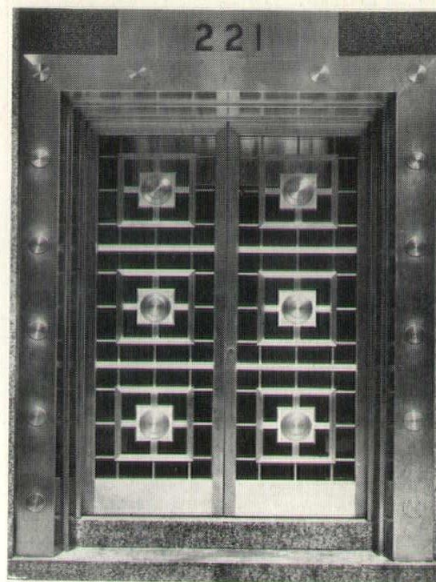
Steel (Struct.), \$141,354; Steel (Reinf.), \$33,346; Forms, \$525,332; Concrete, \$101,180; Masonry, 161,827.

Total Decrease, \$963,039.

Net savings of \$853,966 is equal to 12 percent of the cost of the building.

Prior to World War II, a building of this type to house offices and stores was economically feasible when the proportion of the live load, or tenants and their fixtures, to dead load, or weight of building, was one to five. Rising labor and material costs make this proportion obsolete. To cite an example, the average build-

ARCHITECT



Stainless Steel Entrance of Second Federal Savings & Loan Association, 221 Euclid Ave., Cleveland, O. Architects: Walker and Weeks. General Contractors: Sam W. Emerson Co.

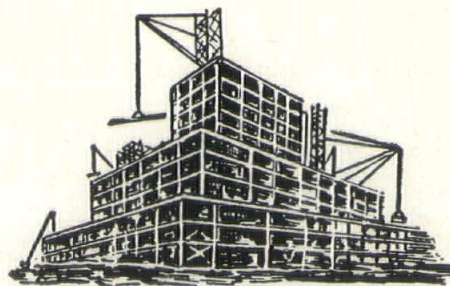
## Architectural Metal Work

### THE A. H. MARTY CO.

6900 UNION AVE., CLEVELAND, O.

Phone MIchigan 8950

## INDUSTRIAL • COMMERCIAL GENERAL CONSTRUCTION



Founded 1926

NEW CONSTRUCTION  
ALTERATIONS

## MARK SWISHER, Inc.

GENERAL CONTRACTORS

1600 EAST 25th ST.

TOwer 1-6630  
CLEVELAND, OHIO



## THE A. G. STAFFORD CO.

ORNAMENTAL IRON, SHEET METAL  
AND BUILT-UP ROOFING CONTRACTORS



Phone 2-0450 CANTON, OHIO 2006 Allen Ave. S.E.

## THE AKRON MIRROR & GLASS CO.

"Insulux" Glass Blocks.

"Thermopane" and "Twindow" Insulating  
Picture Windows.

"Kawneer" Metal Doors and Store Fronts.

"Cupples" Aluminum Double Hung Windows

All Kinds of Mirrors and Glass  
For Building Purposes

180 E. South Street

Jefferson 9189

Akron 11, O.

## THE MELBOURNE BROTHERS CONSTRUCTION COMPANY

GENERAL CONTRACTORS  
and BUILDERS

Schools, Hospitals  
Office & Industrial Buildings

308 MELLETT BLDG.

PHONE 3-2786

CANTON 2, OHIO

## Ornamental Iron

Handsomely designed wrought iron to  
enhance the beauty of residential and com-  
mercial architecture, interior and exterior.  
Stock and special designs. Also residential  
and commercial FENCE of all types, cellar  
doors, gratings, railings, etc. Write for  
FREE CATALOGUE.

**The DAVIS & SIEHL CO.**  
Fence & Ornamental Iron Specialists Since 1882

4032 HAMILTON AVENUE, CINCINNATI 23, OHIO

## Are Office Building Costs Prohibitive?

ing of 500,000 square feet has a pay load or live load  
of about 8,200 tons and weighs about 42,000 tons.

The General Petroleum office building, completely  
modern in every department, as fireproof and safe as  
any building can be, has a dead weight of only 26,000  
tons. Its pay load is 8,400 tons and the gap between  
building costs and reasonable rentals has been largely  
closed through forward-looking architectural, engineer-  
ing practice.

Wurdeman and Becket are architects for both the  
Prudential Insurance Building and the General Petrol-  
eum Building. Naturally, they have applied the same  
cost-design theories to both.

It may be significant that of all the many huge struc-  
tures talked about and planned for Southern California,  
these are the only two that have gone ahead.

## MOVIE ON PORTLAND CEMENT

Cement mills in operation as well as many notable  
concrete structures are shown in a 30-minute sound and  
color motion picture entitled "The Drama of Portland  
Cement," released by the Portland Cement Association  
on September 1. Every step in the making of portland  
cement, from quarrying or dredging raw material to  
the packing operation, is shown. The mill scenes were  
made in many different, widely separated plants.

The invention of portland cement by Joseph Aspdin  
in England in 1824 is dramatized on the screen. Other  
action includes blasting in quarries, dredging for marl,  
the operation of huge rock crushers, and rotating kilns  
several hundred feet long in which the raw material is  
converted to cement clinker.

An innovation in industrial educational films, this  
picture uses three different narrators to tell the story.  
The first part pictures and describes all the highly dra-  
matic processes of cement-making. The second part  
shows how scientific research in laboratories and engi-  
neering work in the field are constantly improving the  
product. Intimate views of research scientists at work  
in the Portland Cement Association's headquarters build-  
ing in Chicago are shown for the first time.

The concluding phase of the picture shows the appli-  
cation of portland cement in building concrete high-  
ways and many notable firesafe structures in various  
parts of the country.

The picture, on 16 mm. film, is available without  
cost to civic and business clubs, architectural and en-  
gineering colleges and societies, builder associations, etc.

## P. F. WILLIAMS CO., Inc.

CONSULTANTS AND ENGINEERS

HOME INSULATING — STORM WINDOWS  
INFRA ALUMINUM REFLECTOR INSULATION  
FANS — PHILCO ROOM COOLERS

Temperature Conditioning Specialists Since 1924

CALL OR MAIL PLANS FOR FREE ESTIMATES

EV. 9547

1018 E. Livingston Ave.

Columbus 5, Ohio



## ANNUAL REPORT OF THE SECRETARY

The following report is based on the activities of The Architects Society of Ohio of the American Institute of Architects since its last Annual Meeting held in Dayton on September 24, 1948, and does not cover the fiscal or calendar year, since the two periods do not coincide.

At its last annual meeting, the Society gave to the Executive Board three instructions. They were:



John W. Hargrave

- (1) Incorporate the Society as a non-profit corporation in Ohio.
- (2) Seek revision of the Architects Registration Act in the biennial session of the Ohio Legislature.
- (3) Publish the Owner-Architect Contract prepared by the Society's Committee on Professional Practice.

During the year the Executive Board held eight meetings. At one meeting there was not a quorum, although much was accomplished which was quickly consummated at the following meeting.

Each of these meetings had been concerned with some phase of the Society's Program and the members and officers of the Executive Board have attended these meetings without cost to the Society except for the rental of meeting rooms and the cost of any food served during the meetings.

The activities of the Society are not necessarily initiated and terminated within one year; in fact, this is seldom possible. The wisdom of requiring that the President previously serve one year as an officer or director assures continuity of endeavor.

In approaching its legislative efforts, the Society officers first sought the advice, and cooperation of the State Board of Examiners of Architects. To further its efforts, The Executive Board engaged the services of Mr. George Chamblin, Attorney-at-law, Columbus, Ohio, and obtained the consent of Senator Maurice Niehaus of Hamilton County to sponsor the proposed amendment to the Architects' Registration Act. The proposed legislation was prepared; (passing in the Senate by an overwhelming majority.) But because the bill was not introduced until quite late in the legislative session, hearings in the House of Representatives were not completed in time for action by that body before the adjourn of the session.

It is the recommendation of the Board that the Legislative Committee prepare any future proposed amendment at least one year before the beginning of the legislative sessions, in order that each Chapter may fully review the proposed changes, and then be ready to introduce the proposals as soon as the Legislature convenes.

The procedure for incorporation has been followed, and all of the legal steps have been taken excepting the reading and adoption of the Constitution and By-Laws, which are included on today's agenda. Following the adoption of these papers, they will be forwarded to the Octagon in Washington for approval as required in the By-Law of the American Institute of Architects, and the charter will also be issued by the Secretary of State to our organization as a non-profit corporation. With this formality completed, the Society can then act for the

ARCHITECT

## MODERN BUILDING

Calls for

## MODERN HEATING

... and that calls for *The Scotch Heater*

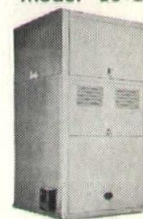


Every **COR-O-AIRE** that you specify has a spectacular story of modern heating to help you plan. Unmatched for comfort, economy, **COR-O-AIRE** savings on heating bills help make home payments.

Let us show you how **COR-O-AIRE** can aid in your building project. For information or quotation call



Model 85-G



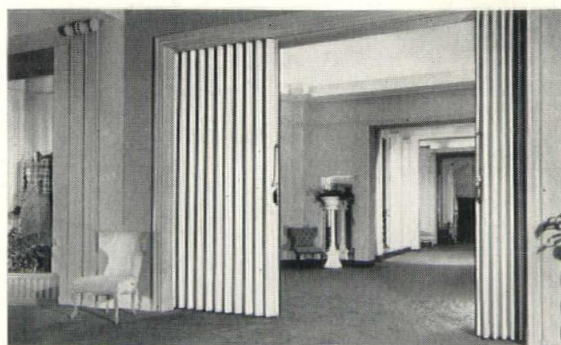
Model 85-S-HB

## AMERICAN UTILITIES CORP.

5309 Euclid Ave.

CLEVELAND

EXpress 0711



## Doors MODERNFOLD Walls

SPECIFIED BY LEADING ARCHITECTS

EXCLUSIVE INSTALLING DISTRIBUTORS

## NEO SALES INC.

781 THE ARCADE

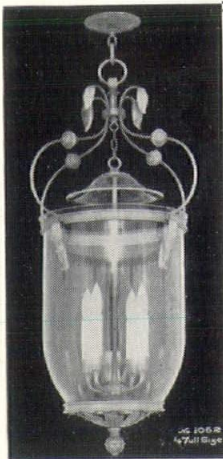
CLEVELAND, O.

PHONE MAin 0902

Also Distributors of

GOODYEAR RUBBER and VINYL FLOORING  
DURON-SLATE and STRUCTO-PLATE CHALK BOARD  
FABRICORK BULLETIN BOARD





## DISTINCTIVE LIGHTING FIXTURES

57 years serving architects

Most beautiful lighting  
fixture display in Ohio.

ENGINEERING AND DESIGNING SERVICE

**ENTERPRISE ELECTRIC CO.**

6511 Euclid Ave. — Cleveland — EN. 4220

## ROEDIGER CONSTRUCTION INC.

*General Contractors*

- ★ New Buildings
- ★ Additions
- ★ Alterations



Tower 1-8080 1737 Euclid Ave.  
CLEVELAND, OHIO

## THE KUHLMAN BUILDERS SUPPLY & BRICK COMPANY

919 NICHOLAS BLDG.  
TOLEDO, OHIO

Excavating  
Drainage Work  
Crane Service  
Blading  
Compressor Service  
Dynamiting  
Parking Lots  
Bulldozing

**The  
LOESCH & GREEN  
CONSTRUCTION Co.**

For estimate call SH. 7770

4100 BROOKPARK RD., CLEVELAND 9, OHIO

Paving  
Grading  
Asphalt Drives  
Rolling  
Concrete Breaking  
Underground  
Conduit Construc-  
tion Work

## ART IRON & WIRE WORKS, INC.

WAREHOUSERS • *Steel* • FABRICATORS

STRUCTURAL STEEL

MISCELLANEOUS STEEL

ORNAMENTAL IRON

860 CURTIS ST.

TOLEDO 9, OHIO

## Secretary's Annual Report

profession in prosecuting known violations of the Architects Registration Act, thus relieving the Board of Examiners of the awkward position of being both prosecutor, judge and jury in administering the law.

In the matter of publishing the Owner-Architect Agreement which was prepared by the Committee on Professional Practice, the opinions of two attorneys were obtained, and each of them recommended clarifications of wording and form to avoid any misunderstanding between the parties to such a contract. However, to prepare a printed contract which would cover all circumstances is almost impossible, and while there may be a presentation of a proposed final form at this meeting, it has not been reviewed by the Executive Board. Each time the document was reviewed, it was returned to committee or counsel for further clarification. Several Board members have been using the document in its tentative form and copies will be made available in the present form to interested member, if desired, but no printed documents will be published until every test possible has been made for legal correctness.

During the year the Society has grown slightly in membership. This means, of course, that there are more members of the A.I.A. in Ohio than previously, since membership in the Society follows as a result of A.I.A. membership. Of the resident eligible architects in Ohio, about half are members of the Institute. Each chapter is urged to become acquainted with non-members in their districts, since so many of them are younger members of the profession, technically qualified, anxious to enter the professional organizations but wondering how to proceed. Attention is directed to the A.I.A. policy of a reduced membership fee for the new members, and to the new rules granting exemptions from full dues assessments for those whose professional income is relatively lower than the average. If Ohio needs these men in the profession, then the Society needs them, too.

The Education Committee has encouraged the collegiate school teaching architecture in Ohio to continue their programs of improvement in the courses offered, and to stimulate interest has awarded to Senior students at Cincinnati, Miami, Ohio State and Western Reserve Universities, "Awards of Merit" as recommended by the faculties of those colleges. We have reason to be proud of the work of this Committee, and of the schools mentioned for their service to the profession in this state.

The Building Code Committee has been a fact-finding agency concerning building code activities throughout the state, but has not announced any recommendations regarding any aggressive action to be taken by the Society or its Chapters. The Ohio Legislature failed to pass a bill which have permitted the adoption of published building codes by resolution rather than by lengthy publication and hearings, a process which costs the average municipality about \$15,000.00. The State Board of Building Standards has met to review new building materials and their ratings under the existing state codes, but has not presented any recommendations to the Legislature for revisions of the 1922 statutes, that be-



ing one of their prescribed functions.

The Public Relations, Publicity and Magazine Committee has continued its fine work in promoting the publication of "The Ohio Architect," a magazine of three thousand circulation reaching every architect registered in Ohio every member of the Legislature, state, county and townships officials and County school superintendents. The profession has had a better reception in public offices because of this magazine, demonstrating that the committee's programs for syndicated newspaper publicity will also help tell the architect's story to an uninformed public.

In matters of finance, the Society began its last convention on September 24, 1948 with a balance of \$2,770.23. Receipts during the year totalled \$2,159.30, and expenditures of \$729.58 with unpaid bills totalling \$1,651.27, leaving a net balance on hand at the opening of this meeting \$2,548.68.

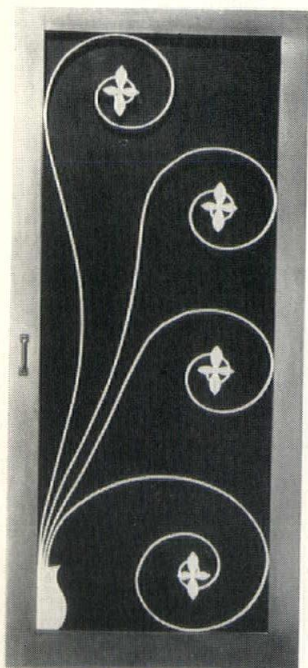
Therefore, the Executive Board recommend that the dues for the fiscal year of 1950 be fixed at \$5.00 for corporate members and \$3.00 for associate members, and that no dues be charged to Junior Associates, or Student Associates. (A.I.A. By-Laws exempt Honorary members and Life members from payment of such dues.)

Sometimes the members of the Executive Board become impatient by the slowness with which worthwhile objectives are attained, by the selfish interests which it encounters while earnestly seeking to protect the public interest, and by its own inability to devote full time attention to the affairs of the profession in Ohio. But each member of the Board has gladly given personal time to the best of his ability in conducting Society affairs, and has found full compensation in the friendships which have grown out of such service. To all the members of the Society they express their thanks for loyal support, asking only that the new Board will be given the same kind of backing.

Respectfully submitted,

—JOHN W. HARGRAVE, *Secretary*

## NEW LINE OF DOOR GRILLES



Due to an unprecedented demand, Artcraft Ornamental Iron Co., of Columbus, O., has added screen door grilles as a completely new decorative line.

The screen door grille is designed to protect the body of screening from being pushed and broken. It also adds a distinctive and luxurious appearance to the house at a low cost.

Standard designs are painted in white. The manufacturer will deliver any design in any color according to individual specifications. There are many stock designs, one of which is pictured here. The screen grilles are produced to fit all sizes of screen doors. Prices range from about \$15 to \$25 to the builder.

Artcraft's regular line consists of custom-made and stock ornamental iron items such as railings, porch columns, metal furniture and other hand wrought iron products.

ARCHITECT

## INFRA Insulation Checks 19 Ways

✓ HIGHEST THERMAL EFFICIENCY ✓ FLAME PROOF ✓ NO MOISTURE ABSORPTION ✓ BLOCKS CONVECTION ✓ NO ODOR, EVER  
✓ WON'T SUPPORT VERMIN ✓ DISCOURAGES RODENTS ✓ EASILY CUT — HANDLED ✓ LIGHTEST WEIGHT ✓ DIMENSIONALLY STABLE  
✓ WON'T SETTLE ✓ PERMANENT ✓ WON'T ROT  
✓ REDUCES CONDUCTION ✓ REJECTS RADIATION ✓ VIBRATION PROOF ✓ LOW APPLICATION COST ✓ PLEASANT TO USE.

Specify INFRA Accordion-Foil Insulation — there is a type for every insulation problem.



ARCHITECTURAL ALUMINUM PRODUCTS

2216 WOOSTER ROAD, ROCKY RIVER, O.

EDison 3252

## SPECIFY ➡

- ROOF & FLOOR DRAINS
- GREASE, PLASTER & OIL INTERCEPTORS
- POOL EQUIPMENT
- BACKWATER VALVES



Zurn Wall Carriers for Plumbing Fixtures

**HAROLD BERGMAN**

417 CITIZENS BLDG. MAIN 1412 CLEVELAND 14

See us at Booth No. 11 — Cleveland Convention

THE

**HUNKIN-CONKEY**

**CONSTRUCTION COMPANY**

CLEVELAND 14, OHIO

## HAMILTON DISPLAYS, Inc.

*Cold Cathode Lighting*

EXPERIENCED ENGINEERING  
FROM BLUEPRINT TO INSTALLATION  
CUSTOM FIXTURES

UNDERWRITERS LABEL SERVICE

**ELECTRIC SIGNS**

1869  
E. 79 St.

**RA. 4100**

Cleveland  
Ohio



**Stake your reputation with  
"NAPANEE" Kitchen Equipment**

By far the finest, most extensive Custom Line.  
Beautifully styled — of superior quality and value.

For the asking — our years of experience in the  
kitchen equipment and construction fields are at  
your service . . . just telephone

**L. W. RAYMOND**

2612 Ashton Road

FA 4295

Cleveland Heights, Ohio

**THE FELDMAN BROS. CO.**

PLUMBING — HEATING

AIR CONDITIONING CONTRACTORS

WESTINGHOUSE  DISTRIBUTORS

MAin 1467

2332 PROSPECT AVE.

CLEVELAND 15

**The OHIO ARCHITECT**

*is one of five high grade  
publications printed by*

**Liberty Printcraft**

QUALITY COMMERCIAL PRINTERS

6523 EUCLID AVE. • EX 8700 • CLEVELAND 3

**ROBERT H. PELKEY, INC.**

PAINTING • DECORATING

COMMERCIAL — INDUSTRIAL

BRUSH OR SPRAY

Residential Painting and Decorating

5706 CEDAR AVE.

CLEVELAND

EN. 4870



**SPECIALISTS IN BUILDERS' HARDWARE AND CONTRACTORS' SUPPLIES  
THE MIDLAND HARDWARE COMPANY**

1839 EAST 18th STREET, CLEVELAND 14, OHIO

PRospect 6190

**Getting the Most Out of Paint**

(Continued from page 10)

livering far more in the way of hiding power, spreading capacity, ease of application and durability.

Since the cost of applying paint at the present time accounts for a good 80% of the total cost of a paint job, the use of quality paint not only saves on material but, of even greater importance, saves painting time and increases the period of satisfactory service between repaintings. With the right kind of materials a saving of 20% on labor is reasonable to expect, in which case the paint can cost up to 50% more per gallon and still save your client money on the total cost of the job.

For the architect or specification writer who wishes a ready aid to the writing of authoritative painting specifications for both interior and exterior work, Mr. Howland suggests the "Barrelled Sunlight" Architectural Specifications Catalog, which is yours for the asking. Write the Architectural Department of the U. S. Gutta Percha Paint Company, Providence, Rhode Island, and mention "Ohio Architect."

**New Rusco Prime Window**

(Continued from page 11)

addition of the factory fitted insulating panels, complete with front break frame, enables the home or building owner to enjoy all the benefits of dual glaze insulation including the reduction of heat loss, elimination of annoying drafts, control of condensation and lower fuel cost. Even proper ventilation is no longer a problem because with the addition of insulating panels the complete unit offers rainproof, draft-free, filtered screen ventilation in any weather, any season—the same Magic Panel Ventilation made famous by the Rusco combination screen and storm sash.

Other advantages include the unique design, permitting minimum wall opening and maximum glass, allowing more space for convenient furniture arrangement; long wearing, waterproof felt weather stripping built into frame, seals out dirt and grime and reduces the infiltration of cold air and subsequent heat loss.

The new Rusco Prime Window is available in 20 standard slide units which, with the use of mullions, can be easily combined in most any arrangement of twin, triplet or picture window with flankers.

Considering the completeness of the unit, the Rusco Prime Window is priced surprisingly low and in conjunction with the minimum of installation time required, it will contribute materially in reducing the cost of the structure into which it is to be incorporated. It is entirely practical for all types of home or building, ranging from the low cost housing field to the home in the high price brackets.

Floridan (picking up a melon): Is this the largest apple you can grow in your State?"

Californian: "Stop fingering that grape."



## Ohio Stone for the Nation's Buildings

(Continued from page 9)

from the quarries to make any ordinary sized stone required in building construction. As an example of what has been accomplished, monolithic columns twenty-one feet long and about two feet, nine inches have been produced. Blocks of stone 16' x 5' x 5' and weighing over forty tons have been quarried. However, blocks of this size are not always obtainable and whenever an architect has occasion to use such exceptional sizes, it would be well for him to confer with Cleveland Quarries Company engineers so that proper provision and plans can be made.

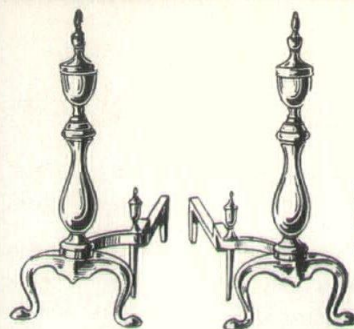
In working up the rough blocks in the cut stone plants, they are first sawed into slabs in the gang saws—machines provided with a series of plain steel bands 4" wide and 3/16" thick. These steel bands are stretched tautly in a swinging frame which has a pendulum-like motion, supported on long screws which enable the operator to raise or lower it to any desired position and also serves to provide an automatic feed when the saw is in operation. The cutting medium consists of a mixture of water and sand which plays over the top of the block so as to find its way in the indentations made by the saw blades. The sawing is actually performed by the sand being dragged back and forth across the stone by the saw blade. The usual rate of cutting varies from six to ten inches per hour.

After the blocks are sawed into slabs, these are either resawed into the desired widths or are placed on planers in their slab form for further dressing. All mouldings are cut to the desired shape on large planers which are virtually identical to those employed in the metal industries. The knives or cutting tools employed are forged and ground to a reverse of the mold being executed. The cutting tools are held stationary while the stone travels back and forth on a reciprocating planer bed. The strips of stone worked on the planers usually range from eight to twelve feet in length. After the planing operation has been completed, therefore, it is necessary to saw these strips of planed stone into shorter lengths to suit the architect's design and to facilitate handling. This sawing to length, which is termed jointing, is done by means of a circular saw revolving at the rate of approximately 850 r.p.m., the stone remaining stationary on the carriage and the saw advancing through the stone by means of a power drive. In cutting sandstone, blades 60" in diameter are customarily used, over which a stream of clear water is played, not only to keep the blade cool, but also to wash away the sawdust. No sand is used in this sawing process, such as is employed in connection with the gang saws, since at the outer edge of the saw blade there are inserted and held in place by means of steel wedges, a series of manufactured abrasive teeth which have the quality necessary to cut the stone. After the gang sawing, planing and circular sawing have been completed, there usually remains a certain amount of labor to be performed by hand, such as the finishing of short returns on moulded courses, finishing of internal angles, lug sills, ornamental carving, etc., all of which is performed by experienced stone cutters and carvers either with mallet and chisel or with a pneumatic tool.

After the cut stone is finished, ready for delivery to the building, each piece is identified by a number corresponding to an identical number appearing on the shop drawings that have been prepared by the cut stone contractor and approved by the architect. Copies of these drawings are sent to the contractor at the building for

(Continued on page 33)

ARCHITECT



"Everything For  
the Fireplace  
Since 1914"

Information regarding  
our Special Cur-  
tain Screen sent on  
request.

**D. M. KEENEY CO.**

8416 Carnegie Ave. CE. 0164 Cleveland 3, Ohio

## MOORE & GLASS Engineering Sales

REPRESENTING

MACOMBER, INC.

CRITTALL-FEDERAL, INC.

MOESCHL-EDWARDS CO.

STERLING WINDOWS, INC.

WILLIAMSBURG STEEL PRODUCTS

KEnmore 7443

18609 ST. CLAIR AVE. CLEVELAND 10, OHIO

## Einheit Electric Construction Co.

- INDUSTRIAL
- COMMERCIAL
- POWER
- RESIDENTIAL

Office: FLorida 1390

Warehouse: SHadyside 1710

5641 PEARL ROAD CLEVELAND, O.

## « CITY BLUE »

The Open Sesame for  
BLUE PRINT and PHOTOSTAT SERVICE

In Cleveland Since '93

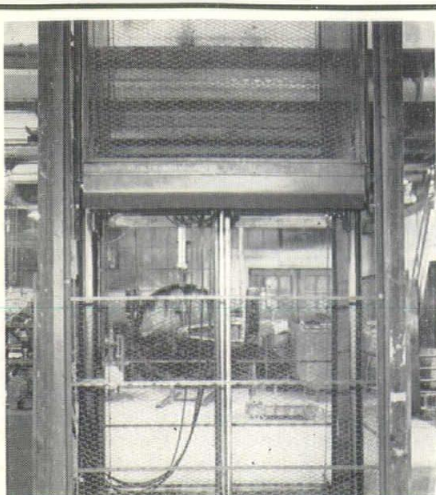
CHerry 7347

209 SWETLAND BLDG.

★

CLEVELAND





## Electric and Hydraulic ELEVATORS

For Passenger and Freight Service in Factories, Hospitals, Stores, Apartments.

*Dumb Waiters For Any Application.*

**CANTON ELEVATOR & MFG. CO.**  
1220 5th St., S.W. Canton, Ohio  
PHONE 4-3190

## CHARM and UTILITY

*Complete Unit*

Easy to Sell . . .

Quick to Install

# ADJUSTA-POST

EASILY INSTALLED  
INDIVIDUALLY PACKAGED  
WRITE TODAY

Adjusta-Post Lamps, with the original telescopic operating feature, clinch more sales by meeting every customer's needs. Adjusts from 4½" to 9½". Top diameter, 3", ¾" hole. Forest green or Satin black finish. Available in steel or aluminum. Popular priced. Get full details!

**THE ADJUSTA-POST MANUFACTURING CO.**  
908 St. Clair at Bowers, Akron 7, Ohio

## Construction and Materials Outlook

*(Continued from page 23)*

facilities are also expected to be important contributory factors to the anticipated expansion of public construction.

In preparing the revised estimates of the outlook for new construction in 1949 the Departments of Commerce and Labor have attempted to evaluate possible effects of current and anticipated business readjustments on the construction situation. It has been necessary to assume, however, that the status of foreign relations will remain about as at present, insofar as they might affect construction volume either directly or indirectly. The value of work expected to be put in place has been adjusted for recent declines and anticipated future changes in construction costs.

### Ralph Kempton "Vas Dere"

One of the busy Architects at the Convention was our good friend, Ralph Kempton, Executive Secretary of the State Board of Examining Architects of Ohio.

He presided at the annual ritual to past presidents, which has been an ancient and honorable custom with Ohio Architect's Conventions and it was warmly received. Ralph himself is in a way becoming an ancient (pardon us, Ralph) and honorable custom and an Ohio Convention wouldn't be an Ohio Convention without him.

## YORK-SHIPLEY

**OIL-FIRED**  
EQUIPMENT FOR INDUSTRY

### STEAM-PAK GENERATORS

● Low and high pressure, automatic, 15 to 100 h.p., for No. 3, 5, and 6 oil.

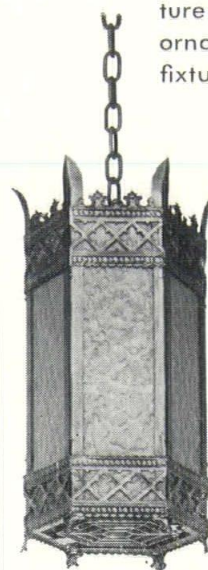
### YORK-SHIPLEY INDUSTRIAL BURNERS

● Direct and belt-drive, 45 to 400 boiler h.p., manual to automatic control, for No. 3, 5, and 6 oil.

**ALLIED**  
**OIL CO., INC.**

Standard Bldg. — PR. 3400 — Cleveland 13

For more than a Quarter of a Century, we have specialized in the Design and Manufacture of custom-made ornamental lighting fixtures of all types.



*we also Produce*

**GENUINE BRONZE**

*Memorials*

*Portrait Tablets*

*Signs*

*Name Plates*

*Grilles*

Write to Dept. Q for Illustrated Folder.



**MEIERJOHAN • WENGLER**  
METALCRAFTSMEN  
1102 W. 9th St. CINCINNATI 3, OHIO

*For Gas, Oil or Coal*



# NIAGARA

**is the word for DEPENDABILITY and ECONOMY**

The Niagara line of winter air conditioning and gravity furnaces comprises over 30 models for large and small homes. Included are utility units requiring as little as 5 to 7 square feet of floor space. Write or phone for complete specification sheets.

**NIAGARA**  
**FURNACE DIVISION**  
THE FOREST CITY FOUNDRIES COMPANY  
2500 West 27th St. (Tower 1-5040)  
Cleveland 13, Ohio



## Ohio Stone for the Nation's Buildings

(Continued from page 31)

his information for selecting and identifying the stones as they are delivered from the cut stone plant and the place in the building for which the individual pieces are intended.

The cut stone having been placed in the building, there follows the process of pointing up the joints, and cleaning. The usual method of cleaning consists of drenching the stone with clear water, then scrubbing with fibre brushes. Some cleaning contractors endeavor to facilitate their work by the use of acids. This practice should not be permitted by the architect, since the careless use of acids will invariably discolor the stone. The architect should also refuse to permit the use of wire brushes in the cleaning process, since small particles of steel will be left on the face of the stone which, in time, oxidize and result in disfiguring the stone.

In the interest of economy, the architect will do well to call in the assistance of a reliable stone contractor to advise him on the method of jointing and construction that can be most economically employed. Usually, the cut stone contractors are very glad to render services of this kind to the architect without cost or obligation. Since the cost of furnishing cut stone varies so much, depending upon the architect's detailing, it frequently happens that the use of stone is prohibited on account of unnecessarily expensive construction.

A very important point for the architect to keep in mind when designing stone buildings is the problem of water. Metal flashings should be used to the greatest extent possible on all projecting courses since doing so will keep rain water from getting into the walls and causing efflorescence and other discolorations on the stone work.

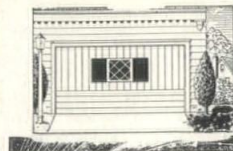
Berea Sandstone has been, for many years, one of the most popular and highly regarded stones quarried in this country. It is not a building material of importance to Ohio alone, but has been used in all parts of the United States and Canada for both public and private buildings. Its durability as a building stone is considered by stone experts and lithologists to be equal to any other building stone on the market. Numerous, fine examples of its early use are to be found in many locations to prove the sincerity of many recommendations that have been made concerning it.

The quarries of The Cleveland Quarries Company, located at Amherst, Ohio, are the largest sandstone quarries in the world. Buckeye Quarry, located at this point, is 320 ft. deep while Gray Canyon Quarry, nearby is over a mile and a half in circumference. Under normal circumstances, the properties afford employment to approximately one thousand men and production reaches approximately 2,500 railroad cars annually. As an example of the extent of one type of fabrication, it has been estimated that thirty years' production of stone curbing would curb both sides of a roadway reaching from New York to San Francisco.

Berea Sandstone is rightfully presented as having no superior for exterior and interior building purposes, as well as for many other uses. This stone possesses long life, pleasing colors and patterns which contribute to its popularity with architects everywhere. Its specification means lifting any project out of the ordinary to give it unusual appeal and performance.

Readers of "Ohio Architect" are cordially invited to visit the properties at Amherst, Ohio, anytime where the quarrying and fabrication of Berea Sandstone will be explained and demonstrated.

ARCHITECT



### "Architecturally Correct" GARAGE DOORS by GRAHAM

Flush-Type Sectional Doors individually designed to blend with the Architecture of the Home. Electronic Controls.

"One-of-a-Kind" Doors at the Cost of "A Thousand Alike" Doors!

6901  
Carnegie

THE *Graham* CO.  
CLEVELAND, O.

EXpress  
0443

See Us at Booth 29 — Cleveland Convention

### THERMOPANE L-O-F INSULATING GLASS

#### KAWNEER

METAL DOORS AND FRAMES

*In Stock for Immediate Delivery*

### CADILLAC GLASS CO.

Academy 6404

3115 BERA RD.

CLEVELAND 11

### WHITE PRINTS BLUEPRINTS PHOTOSTATS

A complete reproduction service for the Architect.

We invite you to obtain our new 14th Edition Catalog of Bruning Drafting Supplies And Equipment.

Phone CHerry 2903

### CHARLES BRUNING CO., INC.

213 W. ST. CLAIR AVE.

CLEVELAND 13, O.

### Architectural, Miscellaneous and Ornamental Iron and Non-Ferrous Metals

RAILINGS — GRATINGS — FIRE ESCAPES  
STAIRWAYS — SIDEWALK DOORS — LADDERS  
WIRE MESH WORK

Maintenance on Fire Escapes and Outside Stairs



### The Artmetal Fire Escape & Iron Co.

12369 EUCLID AVE.

CLEVELAND, OHIO



## ELEVATORS

ELECTRIC PASSENGER AND FREIGHT

Oil Hydraulic Elevators  
Ash Hoists and Dumbwaiters

**The CAPITAL ELEVATOR & MFG. Co.**

ADams 2437-3636  
W. TOWN & LUCAS STS. COLUMBUS, OHIO

## George J. Igel & Co., Inc.

*Basement Excavating a Specialty*

MAin 6601

MOUND and SANDUSKY COLUMBUS, OHIO

## The Whitacre Engineering Co.

RENKERT BUILDING

Canton 2, Ohio

WIDE CENTER  
FLOORS

KALEX FLOORS  
and ROOFS

## THE EDWARD R. HART CO.

CANTON'S DEPENDABLE BUILT-UP ROOFERS  
& INSULATION CONTRACTORS

Phone 55346-7

437 MCGREGOR AVE., N.W. CANTON, O.

## General Iron Works

Ornamental work — all periods  
Interior and exterior railings and balconies

7208 MADISON AVE. WO. 9310  
CLEVELAND, OHIO

## Idealite Building Block

Light in weight, light in color or cinder block

**THE IDEAL BUILDERS SUPPLY & FUEL CO.**

4720 BROOKPARK RD. SH. 1600 CLEVELAND  
H. H. RENKER, President

## The Mooney Iron Works Co.

STRUCTURAL STEEL

3319 E. 80th St. DI 1414  
CLEVELAND, OHIO

## Brookpark Construction Co.

ASPHALT DRIVEWAYS — PARKING AREAS  
CONCRETE WORK OF ALL TYPES

4050 Brookpark Rd. Cleveland, O. FL 4645

## Builders Structural Steel Co.

VULcan 3-8300

2912 EAST 34th ST. CLEVELAND 15, O.

## THE NEW ETLING WINDOW

The new Etling Window just placed on the market is a product of Weather-Seal, Inc., of Barberton, O.

The outstanding advantage of this window is that while in appearance it resembles the double hung window, by pressing a release on the bottom of the top sash and one on the bottom sash, it will swing open from the outside into the room. In this position (open), like when closed in the natural position, either sash will slide up or down with ease to convenient levels for cleaning both sides of the sash from the inside.

The market name for the unit will be "The Etling Window." It will be supplied through the Retail Lumber Dealer. It will be manufactured in plain 2-lite single, double or triple windows or in cut up designs to make Cape Cod or Colonial effects.

A picture window will also be offered embodying the Etling Window advantages. The end windows on either side of the picture window will be so arranged that the left window facing the outside will open to the right side and the right window will work free from the left side, thus making it possible to reach and clean any part of the outer surface of the picture window from the inside.

The Etling Windows are made of the best quality material available: California Redwood—one of the best rated woods by all testing laboratories for weather resistance, inertness and long-lasting qualities.

America is yet too young to know how long Redwood will last when exposed under all climatic conditions. Fort Ross in northern California, built by the Russians around 1830, still stands, unpainted just as when built, a testimony to the ageless durability of Redwood.

The sound principles on which the Etling Window are built embody the features necessary to make it the most rugged and weather-tight assembly built.

Wood is a natural non-conductor. Nothing on the market today excels it as an insulator. Unbiased laboratory tests rate the Etling Window in the highest group of efficiency in the reduction of air infiltration.

Construction of the frame is such that there is no possibility of rattling or "sticking" as the result of painting.

In substance, the Etling Window truly and simply offers the maximum of comfort and convenience for better living.

Pat and Mike were crossing a field when a bull came charging down upon them. Mike shinned up the only tree in sight and Pat jumped into a nearby hole. The bull jumped over the hole and Pat jumped out. The bull turned, saw him, charged. Pat jumped in and the bull charged over the hole again. This went on several times until finally Mike yelled down at Pat: "You fool, stay in that hole, or we'll never get home."

Pat yelled back frantically at Mike: "You're a fool yourself! There's a bear in this hole!"

## BUCKEYE BLUE PRINT CO.

BLUE PRINTS — WHITE PRINTS  
DRAWING MATERIALS

MESSANGER SERVICE

TO. 1-2269

1514 Prospect

Cleveland, O.

WE REPAIR ANY MAKE  
TRANSIT OR LEVEL

Prompt reliable service

**Surveying Instrument Co., Inc.**

118 St. Clair Ave., N. E. MA 1692

TAPE REPAIRING



## D. J. SACK

PAINTING AND INTERIOR DECORATING

We are especially interested  
in working with Architects

807 E. 157th St. Cleveland 10, O. PO. 5446

## The PARKER ELECTRIC Co.

ELECTRICAL CONSTRUCTION

ENdicott 4170

4502 Prospect Ave.

Cleveland, Ohio

## The Mogg Cut Stone Co.

Indiana Limestone — Amherst Sandstone

12406 Marston Ave. WA. 2223

CLEVELAND, OHIO

## The Geo. Rackle & Sons Co.

LARGE QUANTITY BUILDERS SUPPLIES

LIGHTWEIGHT CONCRETE — ROOF  
AND FLOOR SLABS — CAST STONE

Michigan 4747

CLEVELAND, OHIO

## O'Brien Cut Stone Co.

CUT STONE CONTRACTORS

Residential — Commercial — Industrial

CUT STONES FOR SILLS

STONE TRIM FOR DOORS AND WINDOWS

MANTELS — STEPS — PLATFORMS

COPING — ASHLER

City-Wide Deliveries

10500 QUINCY AVE. CLEVELAND CE. 2429



**FRED J. STOVER**

**PERMUTIT**

*Water Softeners — Filters*

1836 Euclid Ave. Cleveland MAin 5842

**Becker-Seidel-Clark, Inc.**

HEATING, PLUMBING AND POWER  
PIPING CONTRACTORS

UTah 1-3456

3625 Prospect Ave. Cleveland, Ohio

**I. H. GUNTON CO.**

Installers of metal weatherstrips, window and  
door screens, venetian blinds, schoolhouse  
window shades, and Pella Casement windows  
30 YEARS EXPERIENCE

Liberty 6068

14060 EUCLID AVE. CLEVELAND, OHIO

**Master Built Roofs**

INDUSTRIAL — RESIDENTIAL — COMMERCIAL

**GUARANTEED ROOFING & SHEET METAL CO.**

4103 SNOW RD. CLEVELAND, O. SH. 5100

**Haynam Wood Products Co.**

RELIABLE CABINET WORK

*Dealing direct with the architect*

7917 Kinsman Ave. VU. 3-1870 Cleveland

**KAHN COMPANY**

Industrial, Commercial and Apartment  
**PLUMBING—HEATING—POWER PIPING**

2709 E. 93rd ST. CLEVELAND RA. 1770

**W. J. Marshall Co.**

**Builders Hardware**

SU. 7670

1030 ST. CLAIR AVE. CLEVELAND, O.

**BARCOL OVERdoors**

Electric Operating Equipment and Radio  
Controls for doors and gates manufactured  
by Barber-Colman Co.

**G. J. NEWLIN, Distributor**

3030 Euclid Ave. Cleveland, O. EN. 0207

**THE KENNEDY COMPANY**

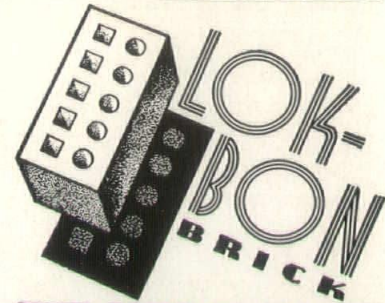
WHOLESALE PLUMBING SUPPLIES

KOHLER OF KOHLER PLUMBING FIXTURES

1849 Prospect Ave. PProspect 1440  
CLEVELAND, OHIO

**INDEX TO ADVERTISERS**

Adjusta Post Mfg. Co.	32
Akron Mirror & Glass Co.	26
Allied Oil Co., Inc.	32
American Utilities Co.	27
Artmetal Fire Escape & Iron Co.	33
Art Iron & Wire Works, Inc.	28
Becker-Seidel & Clark	35
Brookpark Construction Co.	34
Brown-Graves Co.	36
Charles Bruning Co., Inc.	33
Bryant Heater Co.	21
Buckeye Blue Print Co.	34
Builders Structural Steel Co.	34
Cadillac Glass Co.	33
Canton Elevator & Mfg. Co.	32
Capital Elevator Co.	34
Carter Jones Lumber Co.	19
City Blue	31
Cleveland Quarries Co.	17
Crawford Door Co.	22
Davis & Siehl Co.	26
Donley Bros.	20
Dunlop & Johnston, Inc.	35
East Ohio Gas Co.	3
Einheit Electric Construction Co.	31
Enterprise Electric Co.	28
Erf Acoustical Co.	18
Feldman Bros. Co.	30
Forest City Foundaries Co.	32
Geist Coal & Supply Co.	35
General Iron Works	34
Graham Co.	33
Guaranteed Roofing & Sheet Metal Co.	35
I. H. Gunton	35
Hamilton Displays, Inc.	29
Haynam Wood Products Co.	35
Edward R. Hart Co.	34
David Henderson & Son	35
Hubbellite	24
Hunkin Conkey Construction Co.	29
Ideal Builders Supply & Fuel Co.	34
Geo. J. Igel & Co.	34
Interior Marble & Tile	13
Kahn Co.	35
D. M. Keeney Co.	31
Kennedy Co.	35
Kuhlman Builders Supply	28
Liberty Printer Craft Co.	30
George P. Little Co., Inc.	23
Loesch & Green Construction Co.	28
Lumiland Distributing Co.	29
Macomber, Inc.	5
W. J. Marshall Co.	35
A. H. Marty Co.	35
Meierjohan & Wengler	32
Melbourne Brothers Construction Co.	26
Midland Hardware Co.	30
Midwest Acoustical & Supply Co.	23
Mogg Cut Stone Co.	34
Mooney Iron Works	34
Moore & Glass	31
Neo Sales, Inc.	27
C. J. Newlin	35
O'Brien Cut Stone Co.	34
Ohio Clay Co.	35
Ohio Fuel Gas Co.	14
Parker Electric Co.	34
Robert H. Pelkey, Inc.	30
Permacrete	19
John M. Peters Construction Co.	35
Pollack Steel Co.	12
Geo. Rackle & Son, Co.	34
D. W. Rankin, Inc.	35
L. W. Raymond	30
Reliance Art Metal Co.	24
Roediger Construction Co.	28
D. J. Sack	34
Leo W. Schmidt Co.	35
P. J. Shomer Co.	22
A. G. Stafford Co.	26
Fred J. Stover	35
Mark Swisher	25
Surveying Instrument	34
Union Wallpaper & Paint Co.	4
Weather-Seal, Inc.	2
Whitacre Engineering	34
P. F. Williams Co.	26
R. L. Wurz	15
J. A. Zurn	29



**THE OHIO CLAY CO.**  
P. O. Box 1776 CLEVELAND

BRoadway 5511

**John M. Peters Construction Co.**

CONTRACTORS — ENGINEERS

INDUSTRIAL — COMMERCIAL — GENERAL

27 Years Experience

3971 Jennings Rd. Cleveland, O. SH 7400

**DAVID HENDERSON & SON**

**GENERAL CONTRACTOR**

7808 Kinsman Ave. Cleveland, O. MI 7666

**D. W. RANKIN, INC.**

**GENERAL CONTRACTOR**

1836 Euclid Ave. Cleveland, O. PR 3825

**LEO W. SCHMIDT CO.**

*General Contractors*

Diamond 4050

9920 GRANGER RD. CLEVELAND, OHIO

**Dunlop & Johnston, Inc.**

*General Contractors*

FAirmount 4876

2138 LEE ROAD CLEVELAND, OHIO

**FOR QUALITY • SPEED • ECONOMY**

*Build with*



**LIGHTWEIGHT  
ECONOMICAL**

**STRONG  
FIRESAFE**

**THE GEIST COAL AND SUPPLY COMPANY**  
3540 WEST 73rd STREET • CLEVELAND 2, OHIO



**THE OHIO ARCHITECT**

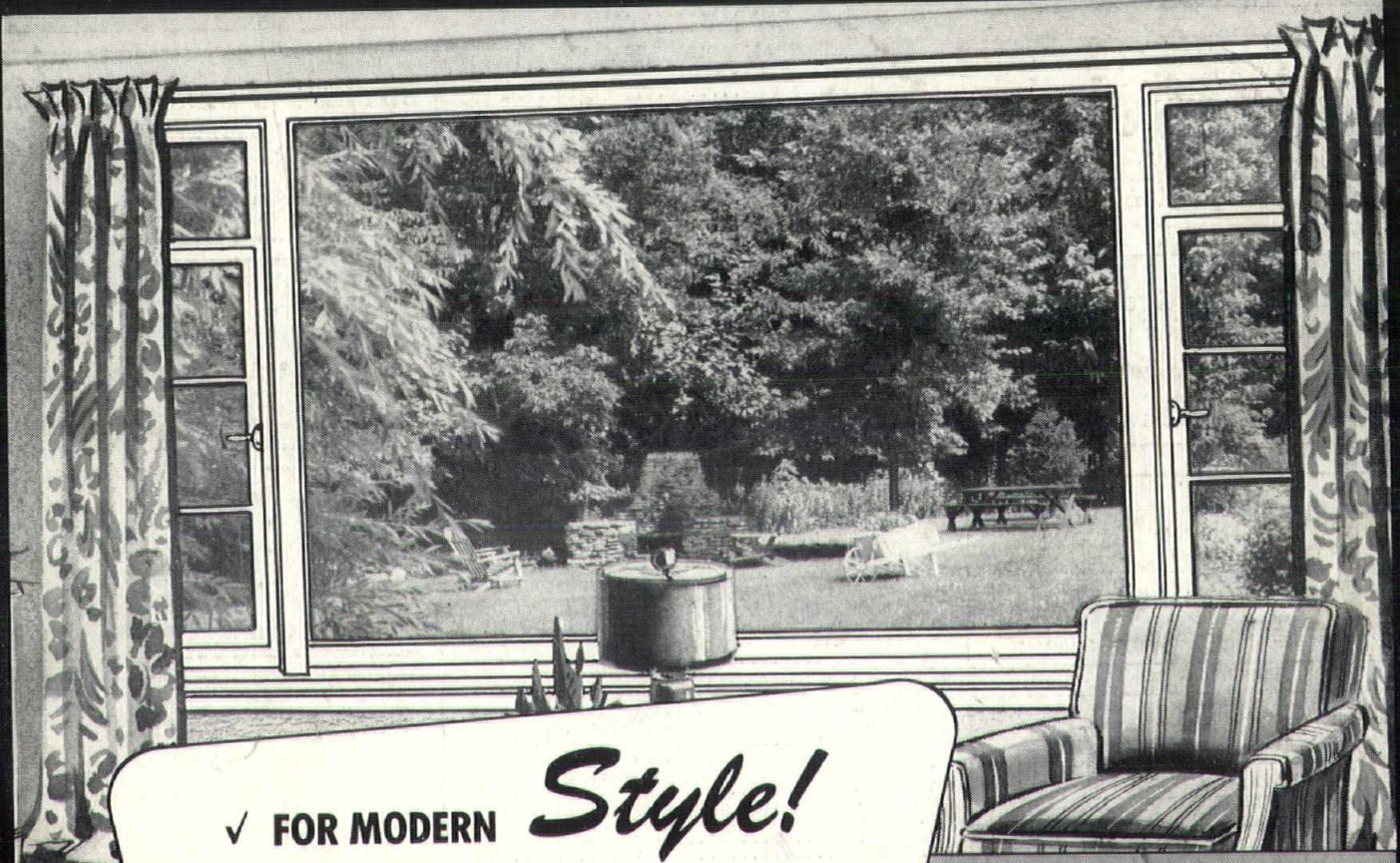
Publication Office  
6523 EUCLID AVENUE  
CLEVELAND 3, OHIO

Sec. 34.66 P.L. & R.  
U. S. POSTAGE  
**PAID**  
Cleveland, Ohio  
Permit No. 2136

Mr. Walter A. Taylor  
Dept. of Ed. & Research  
The American Institute of Arch.  
1741 New York Ave., N. W.,  
Washington, D. C.

**SPECIFY**

# *Bee Gee* WOOD WINDOWS



- ✓ FOR MODERN *Style!*
- ✓ FOR EASY CLEANING – IN AND OUT!
- ✓ FOR SUNNIER, AIRIER ROOMS!
- ✓ FOR LOW-COST INSTALLATION!

*Free!*

Write for catalogue containing  
full description and all sizes of  
Bee Gee modern WOOD  
WINDOWS.

Specify Brown-Graves  
For Highest Quality

**ARCHITECTURAL  
MILLWORK**

Estimates gladly given  
on any size job

**BROWN - GRAVES CO. AKRON, OHIO**