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See Our Catalog in Sweet's file
17 Flo

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Aluminum corner blocks and sealant inserted under pneumatic pressure create rigid and leakproof corners.

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Ralph Orr was the architect for the Overbrook Presbyterian Church, Columbus, Ohio, shown here. This church was built in 1951.
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1958 MODEL HOME
CLEVELAND HOME & FLOWER SHOW

The past and the future will be combined in the design and the furnishings of a large Early American Western Reserve four-bedroom home to be featured in the Homeland section of the 15th Annual Cleveland Home and Flower Show at Cleveland Public Hall March 1 through March 9, according to Ralph P. Stoddard, manager of the show.

This show house, 88-feet wide by 33-feet deep, will consist of a two-story section and two one-story wings, with a large porch and a greenhouse on the rear.

The Show Committee of the Cleveland Chapter, American Institute of Architects designated the Cleveland architectural firm of Copper-Wade and Associates the honor of designing this show house.

The plan was so arranged to simulate a typical Colonial layout and also to include all the modern comforts of today's living.

This show house, sponsored by the Cleveland Chamber of Commerce, will be built by The Home Builders Association of Greater Cleveland and will be furnished by the interior decorating department of The May Company.

The use of a traditional design this year was decided through public demand. In the past years, hundreds of letters have been received by the Home and Flower Show committee, requesting an Early American or Colonial house. Therefore, the "1958 Model Home" should be interesting to the public, especially to those who feel a house must have a modern exterior in order to meet our modern needs on the interior.

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FEBRUARY, 1958

OHIO ARCHITECT is the monthly official magazine of the Architects Society of Ohio,
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Plast. Contr.: J. F. McGranahan

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FUNCTION OF THE BUILDING

The building under discussion provides executive office space and facilities for the manufacturing and warehousing operations of an injection moulding thermoplastic fabricator. At the time the building was designed, the company was engaged in the moulding and fabrication of custom orders. Now its chief concern is the design, moulding, fabrication and merchandising of its own line of thermoplastic housewares. Its products, under the trade name of Lustro-Ware, have world-wide distribution, and Columbus Plastic Products, Inc., is recognized as the world's largest manufacturer in this field.

PROBLEM

Given a level, trapezoidal plot of eight acres—increased to twelve in 1955—the architect was required to design a basic office and manufacturing building of one-story, non-combustible construction. It was to provide 50,000 sq. ft., and allow for as much planned expansion as possible on this site. Off-street parking space was to be available. Economy of first cost was an essential, with due consideration to the life expectancy of building materials and to anticipated maintenance costs.

The heart of a plastics moulding plant is the press room. It was essential that the press room be in a permanent central location because of the concentration of supplemental equipment, such as press bases, heavy power distribution, electric pre-heating equipment, distribution system for press coolant water, a compressed air system, and craneways for the handling of dies.

Expansion, however, had already to be considered in the first plans, and the direction of that expansion had to
Perspective showing the completed plant for Columbus Plastic Products, Inc.

be pre-determined. Stage I, Stage II, and the original Stage III (not shown) were developed at that time. With the exception of the press room and the die shop, all the individual operations of the plant could later be re-located with relative economy.

**STAGE I: 1946-47**

The raw materials for plastics manufacture consist of thermo-plastic granules which are purchased in paper bags or in drums the size of a 55-gallon oil drum. Packaging of the finished product also called for a supply of paper-board. Initially, a two-to four-week supply of granules was kept in stock. Paper-board to last a similar period was also stored.

The granular plastic was trucked in drums to the mixing room. There it was blended for color and replaced in the drums, from which it was poured into the hoppers of the presses. In the die shop, steel dies were built and stored. When needed, these heavy dies were conveyed to the press room and, by means of Mono-Rail Bridge Cranes, inserted in the die space of the press.

The moulded product, upon being removed from the die cavity, was placed in metal tote-pans or in paper drums and stored in a gathering space for eventual delivery to the finishing and assembly department.

If the object required no finishing, it was trucked directly to the packaging area. There paper-boards in suitable variety and quantity had to be supplied. Initially, shipment to purchasers could be made immediately upon completion of a run. Thus the warehousing area for finished products did not need to be large. The solution to this problem is shown in the plan of Stage I.

**STAGE II: 1948-50**

Represents more than a doubling of production capacity. This was necessitated by the rapid development of a proprietary line of houseware products. By partial finishing of the product at the press, and by utilizing more efficient machinery, little expansion of the finishing department was needed at this stage. Whenever possible, packaging was also done in the press room.

As shipments of finished products emerged in larger quantities and in new, assorted colors, a considerable addition to the warehouse area was needed. As the press room was enlarged, the mixing room and raw material storage areas had to be increased proportionately. The die shop kept pace with the increase of output by the use of multiple shifts rather than by the addition of machinery.

**STAGE III: 1953-58**

The increase in number and volume of proprietary products demanded more presses of a larger and heavier type, additional electric power facilities, and expansion of the coolant water distribution system. Grossly more storage space was needed for larger
stocks of finished goods. Also, by more accurate scheduling of the flow of materials from press room to finishing department, gathering space for material in process was eliminated. The raw materials warehouse was still adequate, as raw plastic was now purchased in paper bags and palletized for more efficient handling and raw plastic manufacturers were providing local facilities. Nor did the die shop require more room, as it had become chiefly a die-maintenance shop. Outside suppliers were now building most of the new dies.

As available land was limited, there had to be a drastic change in planning. The alternatives were multi-story warehousing or a separate site at a distance from the plant. Intensive cost-comparison studies were made, and the company's decision was to continue operations on its present factory site, paying the estimated 15 percent premium for multi-story construction there.

The U-shaped general circulation pattern had been established in Stage II, and it was thought logical to stick to it, although the original version of Stage III was considerably altered.

When the plant was built, in 1946, consideration was given to the use of a 440-V rather than a 220-V electrical system. Current characteristics of existing equipment, however, made it too costly. Fortunately distribution equipment of the higher voltage rating had been installed, and all new equipment had been ordered with alternate 220-440-V characteristics. A gradual conversion to 440-V was made in 1955-56. Power demand had also grown to the point (4500 KVA) where it was considered more economical to purchase primary rather than secondary electric power.

**STAGE IV: 1957**

While Stage III has not yet reached its complete development, it was judged by the management over a year ago to be inadequate. Consideration was therefore given to Stage IV, and an additional four acres to the west had been purchased.

This again required a high degree of flexibility on the part of the architect. It was determined that the entire first floor area of Stage I, II and III should
be taken up by press rooms, die shop and mixing rooms. This would bring about a complete reversal of circulation. The finishing department would have to be moved west occupying the first floor of the new three-story warehouse. Electrical distribution is now being expanded and new machinery put in place in accordance with the layout shown in Stage IV.

Management, thinking always of future growth, but not yet ready to undertake the proposed 225,000 sq. ft., three-story building called Stage IV, decided to erect a 108,000 sq. ft., one-story branch warehouse on a separate site. The contract for this has been awarded. Cost data only is presented herein.

Throughout this project the cooperation of the client has been ideal, in that the architect has been given sole responsibility for design, cost control, general plant layout and selection of materials. Approval of these preliminary studies and recommendation is always promptly given. Officers of the company concern themselves only with basic policies. However, they are always available to consider any changes the architect thinks to their advantage. They make their decisions quickly, and abide by them.
Tabulation of Basic Materials Used

Footers — Plain and reinforced concrete
Foundation Walls — Concrete block
Walls and Partitions — Concrete block and glazed curtain walls
Building Frame and Roof Construction — Steel trusses, beams, columns, bar joists and poured Gypsum roof deck
Floors — Reinforced concrete
Windows — Steel industrial projected
Roofing and Sheet Metal — 1/2" rigid insulation, 20 year bonded roof, copper through-wall flashing
Hardware — Cast bronze throughout
Lighting — Fluorescent, trolley duct distribution in finishing areas
Heating — Gas fired unit heaters
Special Equipment — Mono-rail bridge cranes, reinforced concrete press bases, bus duct power distribution, supply and return well water coolant system underfloor distribution in trenches including filter bed and aerator, air compressor and air distribution system throughout press room, finishing and dye shops and dust collecting system for grinders, buffers and pulverizers.

Office Building

Same as basic tabulation except: exterior walls — cut stone and brick veneer; ceilings — acoustical plaster on metal lath; floors — asphalt tile, replaced with vinyl, asbestos tile on addition; toilet rooms — terrazo floors and wainscots; trim — walnut doors, frames and casings; interior partitions, first floor — concrete block plastered, second floor — steel stud, lath and plaster.

Three Story Warehouse Building

Same as basic tabulation except: exterior walls — brick faced or insulated panel steel curtain walls; structural system — rigid frame structural steel, bar joists, steel deck and reinforced concrete floors on Corruform; windows — steel Donovan type motor operated; lighting — incandescent; heating — central gas fired boiler; ventilating — wall mounted exhaust fans, motor operated intake and exhaust louver; elevator — Westinghouse electric, ten ton capacity.

One Story Branch Warehouse Building

Same as basic tabulation except: footers and foundation walls — reinforced concrete throughout; exterior walls — brick faced throughout; no windows except in shipping office; pass doors — steel hollow core; heating — central gas fired boiler; ventilating — wall mounted exhaust fans, motor operated louver.

Tabulation of Costs

<table>
<thead>
<tr>
<th>Job</th>
<th>Date</th>
<th>Area</th>
<th>Cost per Sq. Ft.</th>
<th>Total Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>Office Building and Manufacturing Plant</td>
<td>1946</td>
<td>50,000</td>
<td>$2.60</td>
<td>$120</td>
</tr>
<tr>
<td>Additions to Manufacturing Plant</td>
<td>1949</td>
<td>12,000</td>
<td>$3.10</td>
<td>$37</td>
</tr>
<tr>
<td>Additions to Manufacturing Plant —2 Bldgs</td>
<td>1950</td>
<td>52,000</td>
<td>$2.50</td>
<td>$130</td>
</tr>
<tr>
<td>Three Story Warehouse</td>
<td>1953</td>
<td>50,000</td>
<td>$4.15</td>
<td>$207</td>
</tr>
<tr>
<td>Additions to Three Story Warehouse</td>
<td>1956</td>
<td>47,000</td>
<td>$3.60</td>
<td>$171</td>
</tr>
<tr>
<td>Second Story of Office Building</td>
<td>1957</td>
<td>4,400</td>
<td>$9.26</td>
<td>$41</td>
</tr>
<tr>
<td>New One Story Warehouse — Separate Site</td>
<td>1958</td>
<td>108,000</td>
<td>$3.40</td>
<td>$370</td>
</tr>
</tbody>
</table>

General Notes

No Sprinkler Systems included in the above unit costs.

* Total cost including Plumbing, Heating, Lighting and Miscellaneous Equipment.
  a. Also includes driveways and parking areas.
  b. Also includes power wiring.
  c. Also includes air conditioning of offices.
  d. Also includes electric freight elevator.
  e. Includes no plumbing or heating in one building of 22,000 sq. ft.
The perspective shown gives a view of a new, regional shopping center to the south of Metropolitan Columbus on a tract of 42 acres adjoining U.S. Route 23. Parking is provided for 3400 cars which will serve an area of commercial stores totaling 271,600 square feet. Author C. Melvin Frank, AIA, Columbus, provided complete architectural service for this project.

By C. Melvin Frank, AIA
Columbus

The typical urban community of today is a fabric of streets and roads in which too many autos, trucks and buses move. The advent of thousands upon thousands of new family cars each year makes for overly congested downtown shopping areas.

This fact raises a question as to what is the future and how will we plan for the urban shopping center of tomorrow.

It is a problem of either clearing great slum areas of the "near-in" downtown areas that have all public utilities at hand or the locating of these centers at the perimeter of our existing urban districts which lack, in most instances, the required public utilities to serve them, thus necessitating considerable capital expenditure.

For the time, let us assume that our developers plan for a new center at the outskirts of the metropolitan area, the location usually chosen at present. Then, we must first give the greatest consideration and undertake the keenest economic survey as to general location—for a location is definite-ly right or wrong. Not only must the immediate neighborhood be analyzed, but that area within a radius of at least 10 to 14 miles and the location of all arterial highways and nearby towns must be studied.

With the location established, the next item for consideration is just how large an area should be developed. To a great extent, the economic survey will establish this. With this determined, the architect and developer are ready to start the preliminary site plans which include areas for buildings with relation to that space allotted for the parking of automobiles.

In the early stages, the primary means of ingress and egress to the main streets and highways is an all important factor. Then there must be planning for quick and safe areas for incoming cars to swing into the so-called "slow-lanes" and areas from which the shoppers may drive easily to a close-in parking space convenient for the first stop for shopping.

The grades and drainage are two factors of prime importance. In the first instance, consideration must be given the fact that many people fail to set the emergency brake after stop-

(Continued on Page 13)
SHOPPING CENTER—(Continued)
shopwalks, affording the customer in the family car the opportunity to window shop before parking.
The successful center should be composed of various types of stores which will give the shopper a comprehensive group in which the typical purchases may be made with one stop. Here is where balance of locating and grouping of shops is of greatest importance. Then quality of merchandise is again of prime importance, since the original analysis of the economic survey should decide the pattern of shops and the "name" merchants who will compose the center's group. At this point one must definitely know the typical income of buyers for selection of the merchants and the type of wares and merchandise they will offer. The merchandise must fit the income bracket of the typical buyers. Otherwise, a well designed center will not prove economically sound to the developing owners.
The architectural style of the buildings is, in a sense, secondary. Since what has been pointed out is of prime importance, these factors will then dictate the style of the structures which will house the shops.
On the average, semi-fireproof construction is desirable as the merchants, on the whole, are very insurance conscious. Therefore, a steel structural frame, supporting open web steel joists, enclosed with brick, stone and fire walls, combined with a variety of modern, open, full-vision plate glass fronts points to an overall design in the contemporary style.
Each shop is an individual store yet must be designed in a comprehensive frame to give the center a well balanced facade with relation to the large parking area.

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CLEVELAND PRESS HONORS OUTCALT

The Cleveland Press recently designated eleven men and women as Outstanding Greater Cleveland Citizens of 1957. Included was Architect R. Franklin Outcalt, Cleveland Chapter, AIA.

In recognizing Mr. Outcalt’s service to the community the Press stated that he had "jolted the community into serious future planning with his proposal for a sparkling Gateway Center on the lakefront" and had given the community "both physical landmarks and original ideas for future progress."

Architect Outcalt is associated with the firm of Outcalt, Guenther and Associates of Cleveland. His firm is responsible for the design of the Cleveland Hopkins Airport among other well-known buildings in the Cleveland area.

Meyers Elected President State Board of Education

Ironton Attorney Elliott E. Meyers, State Board member from the 10th Congressional District, was elected President of the State Board of Education at its reorganization meeting on January 13.

Mr. Meyers was graduated in 1930 from Marshall College with a B.A. degree, attended Duke University from 1930-32 and received his L.L.B. from Ohio State University in 1933.

Since 1933 he has been in general practice of law in Ironton. He has served as President of the Ironton Lions Club and President and Director of the Ironton Board of Trade.

He resides at 1324 South Tenth Street in Ironton with his wife and three sons, Richard, 14; William, 12; and George Robert, 7.

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Rollin Gebhart Dies

Architect Rollin E. Gebhart, AIA, died in Good Samaritan Hospital, Dayton, on January 26 at the age of 72.

Mr. Gebhart was born in Dayton, educated in Dayton public schools and graduated from the University of Pennsylvania, Class of 1909. Until recent years he was senior member of the firm of Gebhart and Schaeffer, Architects, in Dayton.

He is survived by his wife, Jeanette, and a daughter, Mrs. Marianne Dahle of Dayton.

Ohio Architect Changes Editorial Policy

Commencing with the previous issue (January, 1958) of Ohio Architect and from then on, feature editorial material will be furnished under the direction of each AIA Chapter Executive Committee. The Chapter Associate Editor will continue to function but will be responsible directly to his own Chapter Executive Committee.

It is felt that this new policy will assist the Architects Society of Ohio in presenting feature articles in Ohio Architect with additional editorial interest and impact to the diversified readership of more than 5000 persons.

The January feature material was developed by the Cleveland Chapter Executive Committee, assisted by Associate Editor Charles Rimer, Ward and Conrad, and Robert C. Gaede, AIA.

The feature material in this issue was developed and presented by the Columbus Chapter Executive Committee, assisted by Associate Editor Richard Eiselt, Eiselt and Eiselt.
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**ARCHITECTS INVITED**

**Lennox to Display Landmark Line at Conference Luncheon**

John W. Norris, President of Lennox Industries, Inc., will conduct a special luncheon meeting, March 11, 1958, at the Veteran’s Memorial Building in Columbus. The meeting, to convene at 12:00 Noon, will be an open invitational for builders, architects, engineers, and utility representatives.

Following a buffet luncheon at the West Broad Street Veteran’s Memorial, President Norris will discuss the development of the revolutionary new Lennox Landmark line of “block-type” combination heating-and-air conditioning equipment. A piece of literature covering this new equipment is inserted in this issue of Ohio Architect on the opposite page.

A display of gas, oil and electric Landmark units will be set up in Exhibition Hall for examination by those attending the meeting. Other new Lennox developments that will be displayed and discussed will be Lennox Comfort Curtain, Lennox Heat Pumps and the AT line of larger industrial furnaces.

The Lennox Comfort Curtain is a completely new development by Lennox for heating, ventilating (and air conditioning if needed) that will produce a degree of comfort in classrooms superior to anything heretofore known.

Other displays will show the complete Lennox line of heating and cooling equipment consisting of over 150 models for all fuels, gas, oil, coal and electric.

Lennox personnel will be on hand in the display area to answer questions and explain the equipment.

Literature and catalogues will be distributed covering all Lennox units.

This Lennox-sponsored conference and luncheon is being held primarily for architects, engineers, builders and utility representatives. However, all recipients of Ohio Architect are also cordially invited to attend.

Make your reservation by writing Lennox Industries, Inc., 1711 Olentangy River Road, Columbus 16, Attention: Mr. Smith.
1960 BALANCE SHEET

Population of the United States ..................... 160,000,000
People 65 years or older ................................ 49,000,000
Balance left to do the work .......................... 111,000,000
People 21 years or younger ............................ 56,000,000
Balance left to do the work .......................... 55,000,000
People working for the government .................. 29,000,000
Balance left to do the work .......................... 26,000,000
People in armed services .............................. 11,000,000
Balance left to do the work .......................... 15,000,000
People in state or city offices ......................... 12,800,000
People left to do the work ............................ 2,200,000
Bums and others who don't work ....................... 2,000,000
Balance left to do the work .......................... 200,000
People in hospitals or asylums ......................... 126,000
Balance left to do the work .......................... 74,000
Persons in jail .......................................... 73,998
Balance left to do the work .......................... 2

TWO?—Why, that's you and me. Then you better get
to work because I'm awfully tired of running this country
alone.

Cleveland Chapter, AIA
Enjoys Theatre Party

The Cleveland Chapter held its annual Christmas party at the Euclid-77th Street Play House on December 13th. The group and its guests enjoyed a fine production of "The Reluctant Debutante."

Immediately following the play a social gathering was held backstage. The architects were joined by the cast for a sumptuous buffet and for a display of architectural acting ability in a "Man on the Street" skit produced by Bob Carlson. Appropriate decorations were provided by the Student Chapter of Western Reserve University.

Approximately one hundred members and guests attended the party and agreed that it was one of the group's outstanding social events of the year.

February, 1958

Builder's Exchange Sponsors
Craftsmanship Awards Program

Any general contractor or sub-contractor whose men have executed specific skills in any construction project may be nominated for an award. Any specific phases of construction or portion of a building can be nominated for an award: for example, terrazzo floors, exceptional masonry, cabinetry, etc. Nominations must be submitted only for the year in which the entire project was completed.

Nominations for awards may be submitted by registered architects or engineers. Nominations are not restricted to work where craftsmanship is exhibited "on-the-job." "Off-the-job" projects include custom built work made in a shop. Quantity production, factory work or stock work will not be accepted for nomination.

Awards will be made on the basis of artistic merit of design; completed jobs that require crafts subject to the discretion of the mechanic; and completed work of exceptional difficulty. Awards will be made for structural, electrical and mechanical work; i.e., layout, execution and coordination of work shown through diagrams and specifications. Nominations for awards must be for work completed in Cuyahoga County only.

Nominations will be turned over anonymously to the Awards Jury, members of the Craftsmanship Awards Committee of the Exchange. The Jury will visit sites, inspect workmanship and make recommendations for awards. Awards will be confirmed by the board of directors of the Exchange.

The Awards Committee includes Chairman, George S. Voinovich, George S. Voinovich & Assoc., Architects; George R. Harris, Garfield, Harris, Flynn, Schafer & Williams, Architects; G. T. Borton, Osborn Engineering Co.; member of the Exchange's Board of Directors, Arthur E. Rowe, Rowe & Assoc.; and President of the Cleveland Chapter, AIA, Leon Worley, Damon, Worley, Samuels & Assoc. Closing date for nominations is March 1, 1958.

Members of the Builder's Exchange Awards Committee are (Left to Right) G. T. Borton, Osborn Engineering Co.; Arthur E. Rowe, Rowe & Associates; Committee Chairman George S. Voinovich, George S. Voinovich & Associates-Architects; Leon Worley, Damon, Worley, Samuels and Associates; and George R. Harris, Garfield, Harris, Flynn, Schafer & Williams-Architects.
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February, 1958
Committees Named For 1958 AIA Convention

Architect Joseph Ceruti, General Chairman of the 1958 AIA National Convention, scheduled for July 7-11 at the Hotel Cleveland in Cleveland, has released the names of Cleveland Chapter AIA members who will head the committees responsible for planning this event.

Working with Mr. Ceruti and Vice-Chairman John C. Bonebrake will be Chairman Charles C. Colman, Finance Committee; Joseph L. Weinberg, Budget Committee; Mr. and Mrs. Alex C. Robinson, Hospitality Committee; Wilbur D. Riddle, Public Relations Committee; Carl F. Guenther, Student Activities Committee; J. Byers Hays, Exhibits Committee; Howard B. Cain, Publications and Programs Committee; George B. Mayer, Social Events Coordination; Mr. and Mrs. Alex C. Robinson and Mrs. J. Byers Hays, Women's Committee; Mr. and Mrs. Francis K. Draz, Theater Events Committee; Miss Lottie B. Helwick, Reservations and Tickets Committee; Russell R. Peck, Tours Committee; John J. Carr, Transportation Committee; Robert C. Gaede, Guide Book Committee; Phelps Cunningham, Decorations Committee; Ernst Payer, Allied Arts Committee; and C. Merrill Barber, Allied Professions Committee.

New Janitrol Line Unveiled

The new and completely redesigned line of Janitrol heating and air conditioning equipment was unveiled at a national sales conference of more than 425 Janitrol district sales representatives, distributors and key dealers, held in January at the Deshler-Hilton Hotel, Columbus.

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Cleveland Convention Notes

OFFICIAL SYMBOL DESIGNED BY ARCHITECT J. BYERS HAYS

The adjacent symbol, designed by J. Byers Hays, Cleveland Architect, has been officially designated for use in connection with the 1958 American Institute of Architects Convention scheduled for July 7-11 in Cleveland.

Approximately 2000 architects from all parts of the world are expected to attend the national convention. The headquarters hotel is the Hotel Cleveland, located in the heart of downtown Cleveland.

Fifth Annual Convention
Ohio Concrete Block Ass'n

One hundred and twenty-five concrete block manufacturers met for the Fifth Annual Convention of the Ohio Concrete Block Association, Inc., at the Hotel Shawnee in Springfield on January 21-22.

A number of outstanding speakers addressed the two-day meeting. Walter W. Underwood and Wm. P. Markert, National Concrete Masonry Ass'n; Fred A. Palmer, Columbus Sales Consultant; Karl Nensewitz, Besser Co.; Richard M. Gensert, Consulting Engineer; James A. Easton and Wayne L. Christensen, Dept. of Industrial Relations, State of Ohio; Joseph C. Shouvlin, The Bauer Bros. Co.; Frank Gates, Compensation Consultant; and Architect C. Melvin Frank, AIA, Columbus, were among the principal speakers.

Architect Frank addressed the Convention at the Luncheon Meeting on January 22. His subject, chosen for this occasion, was, "Can Block Be Made to Meet Architect's Responsibility?" Mr. Frank is a well-known designer of shopping centers (note article on "Tomorrow's Urban Shopping Center" in this issue of Ohio Architect). He is a Past-President of the Architects Society of Ohio and currently chairmans the ASO's Legislative Committee.

FEBRUARY, 1958

HENRY BETTMAN DEAD

Henry A. Bettman, 48, Cincinnati Chapter, AIA, plunged to his death on Monday, January 20, from one of the upper floors of the Carew Tower in downtown Cincinnati. The coroner's report concluded that his death was suicide, though those who knew him considered it an accident.

Architect Bettman had served on the Cincinnati City Planning Commission from 1948 until last December 31. He was Chairman of the Commission all ten years.

At the time of his death he was engaged in two housing projects. One was for former Cincinnati Councilman Theodore Berry and the other was in conjunction with the urban redevelopment program of Newport, Kentucky.

Mr. Bettman is survived by his wife, Jean, and two young sons, Chris and Dan.

Chalfant Cable Support Systems

A new material that combines the surface properties of aluminum with the strength of steel is now being used by the Chalfant Products Company, Inc., 11525 Madison Avenue, Cleveland, Ohio, in the manufacture of lower cost cable support systems. The new material permits the support of heavier cable loads and requires less maintenance throughout the extremities of cable travel.

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