H. L. M

1947

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SUPERFINE QUALITY
ALBUM-SCRAP BOOK

STOCK SIZES	
Stock No.	Sheet Size Binding Side First
10	26 x 26
21	23 x 18¾
22	16½ x 13¾
23	13½ x 11

SAMUEL L. UNGER
131 WEST 53rd STREET
NEW YORK 19, N. Y.









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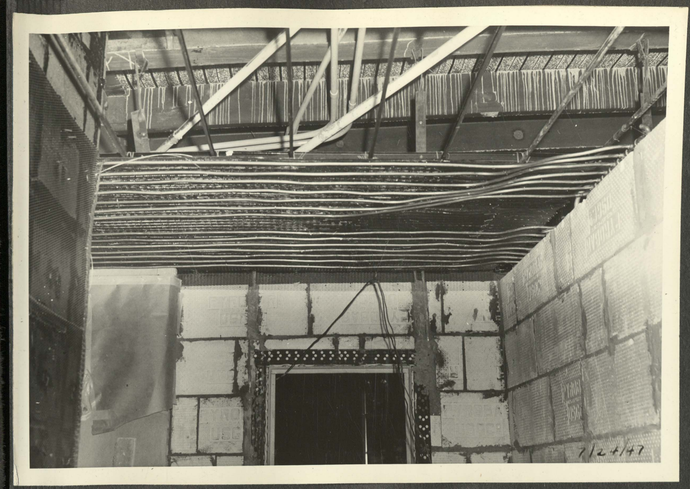
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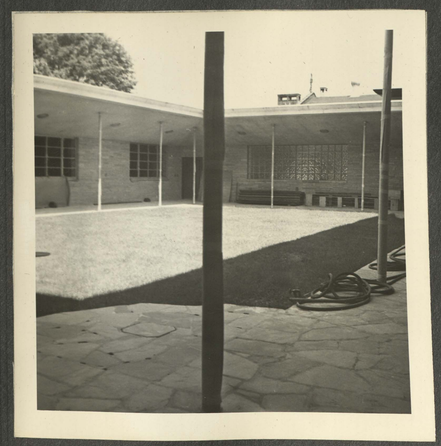


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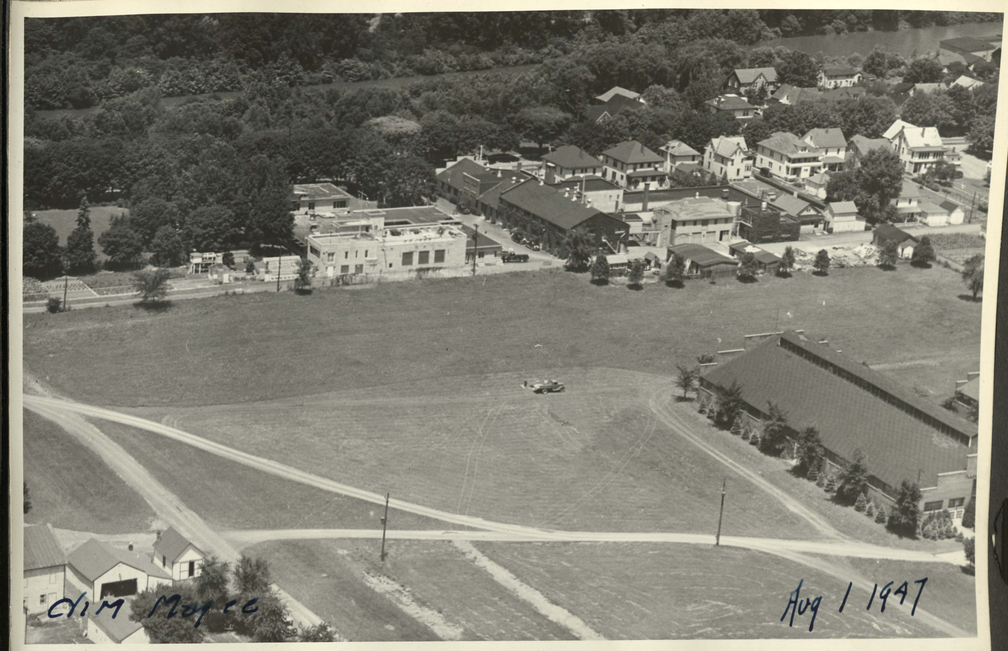
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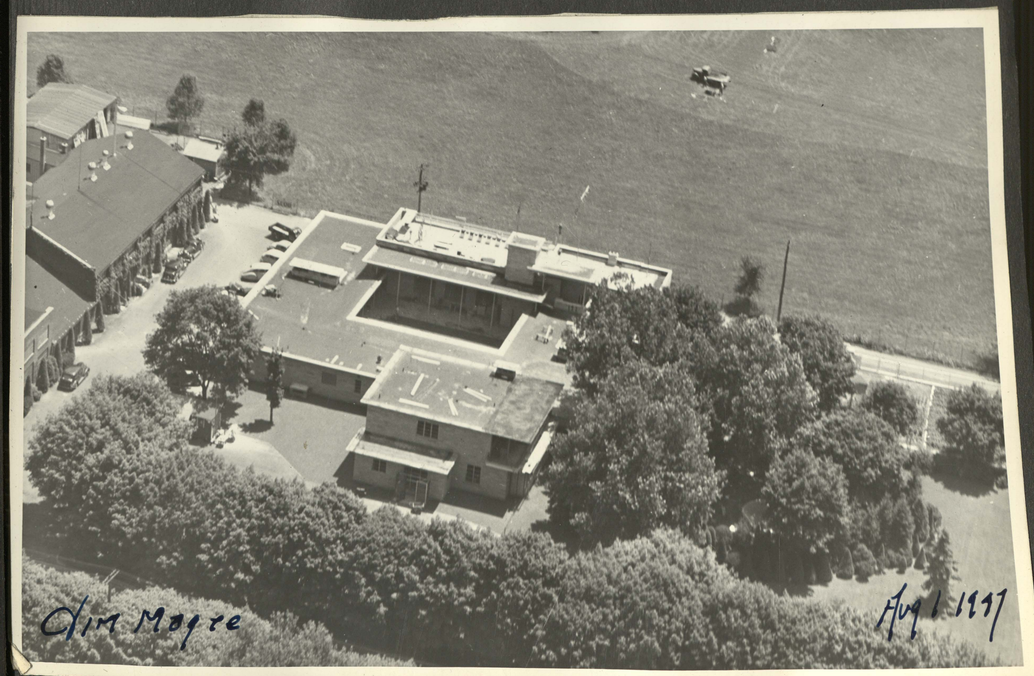
Aug 1 1947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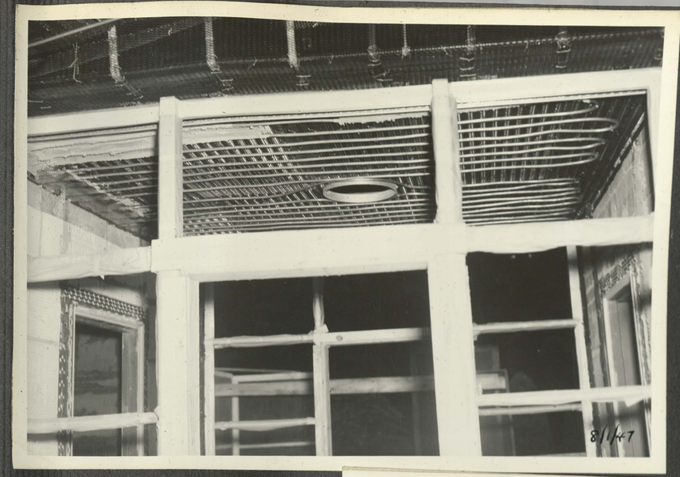

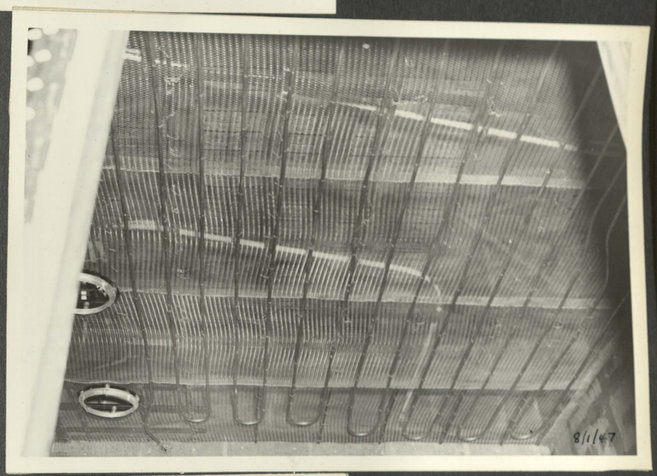







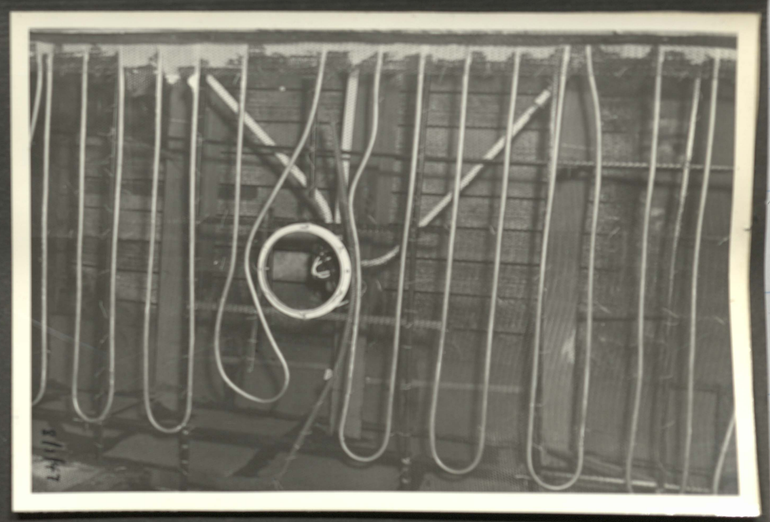

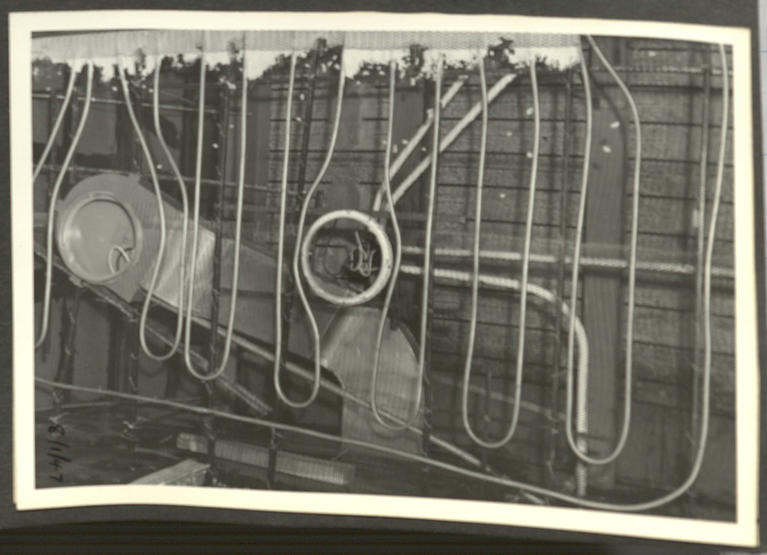

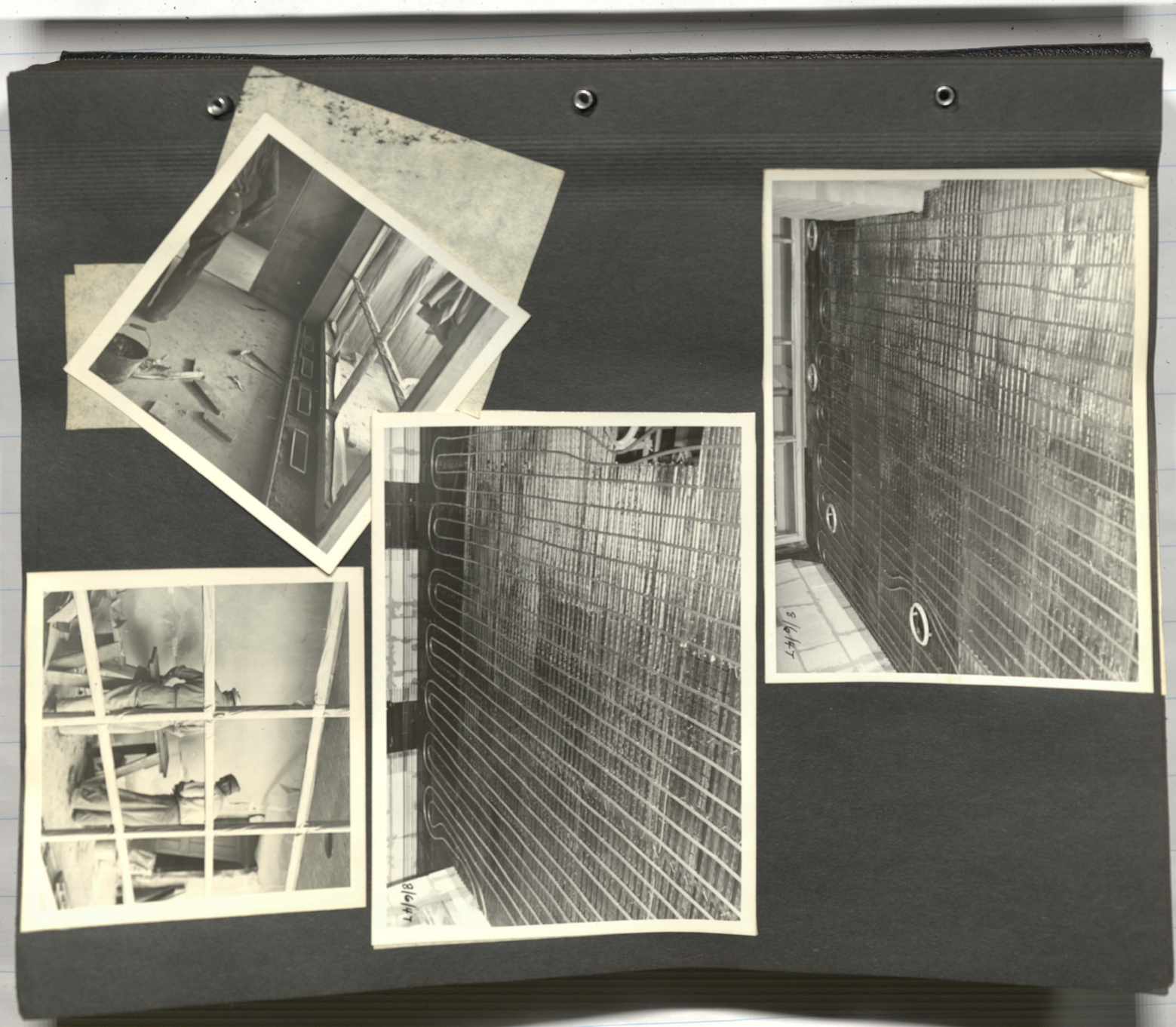
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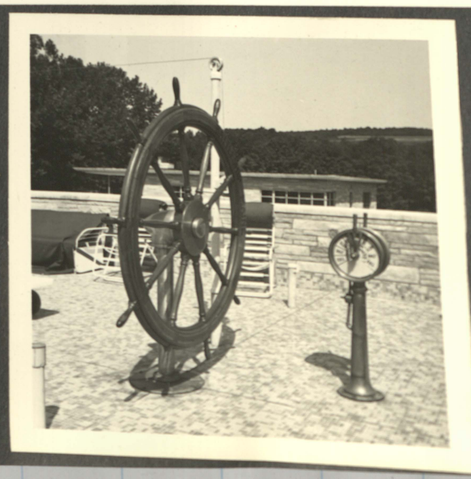

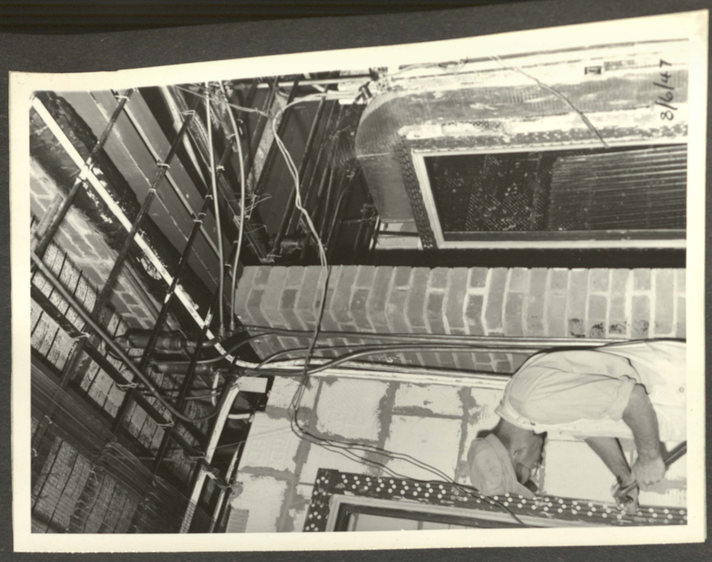
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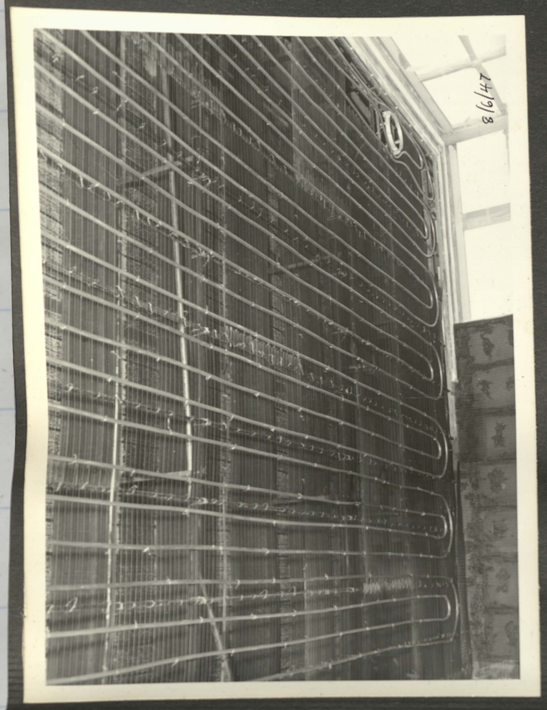
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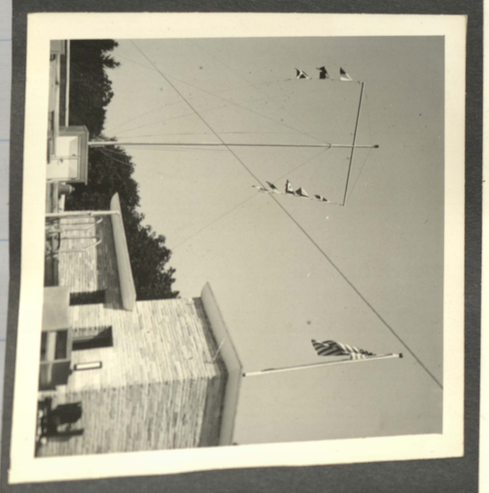

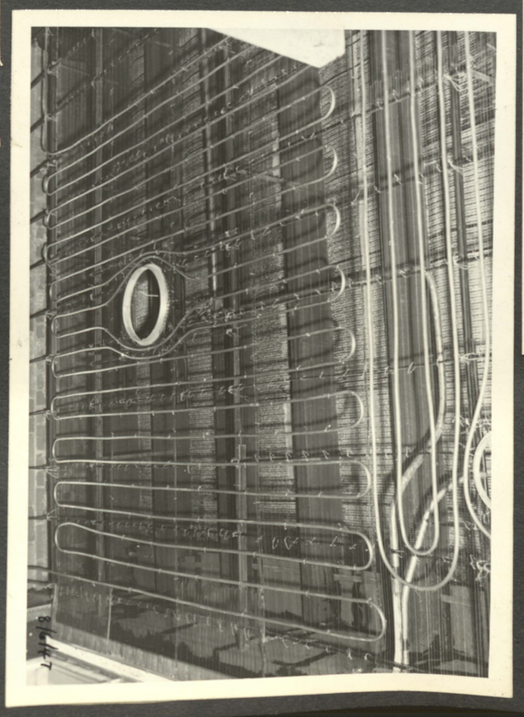

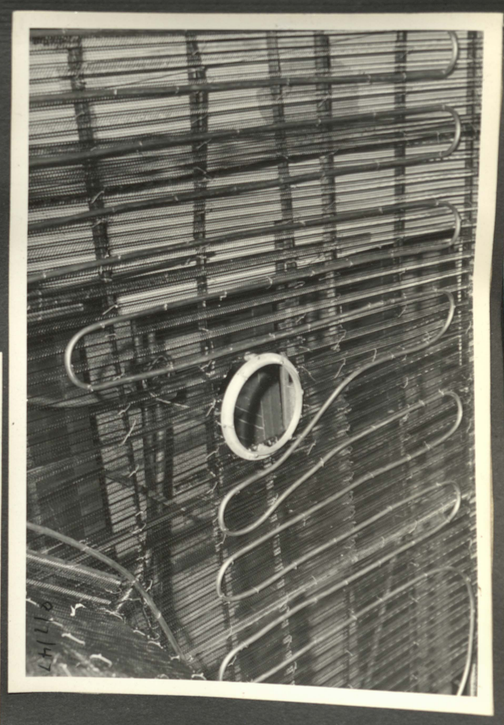

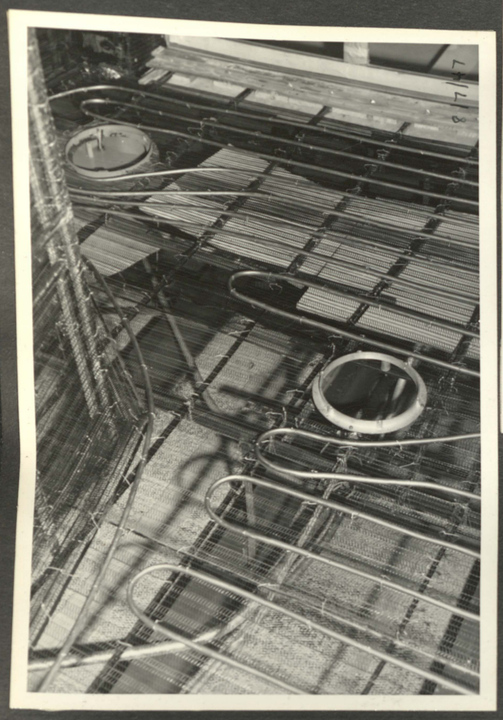

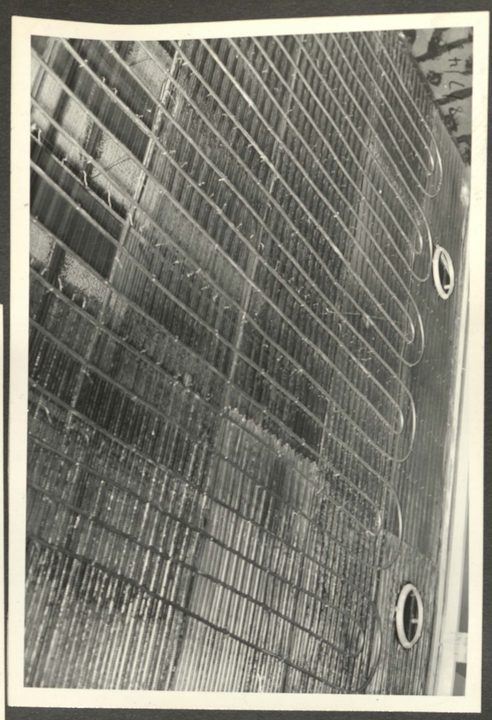





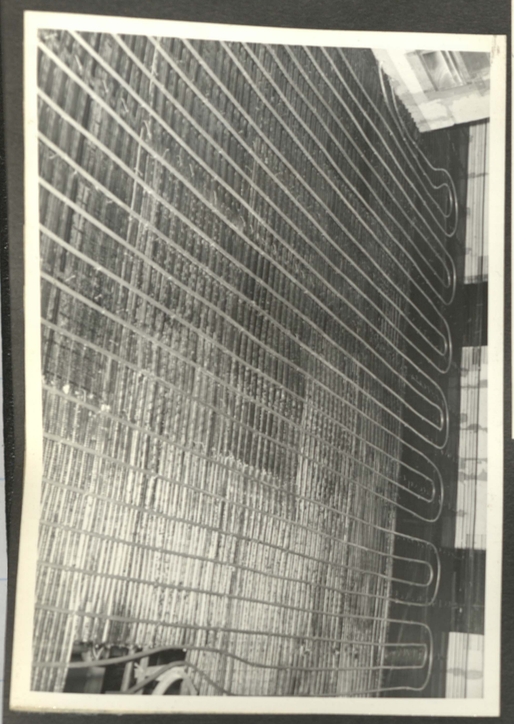

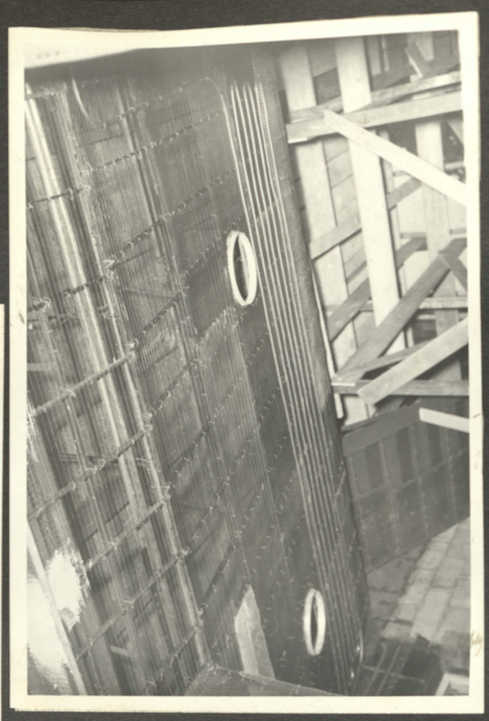







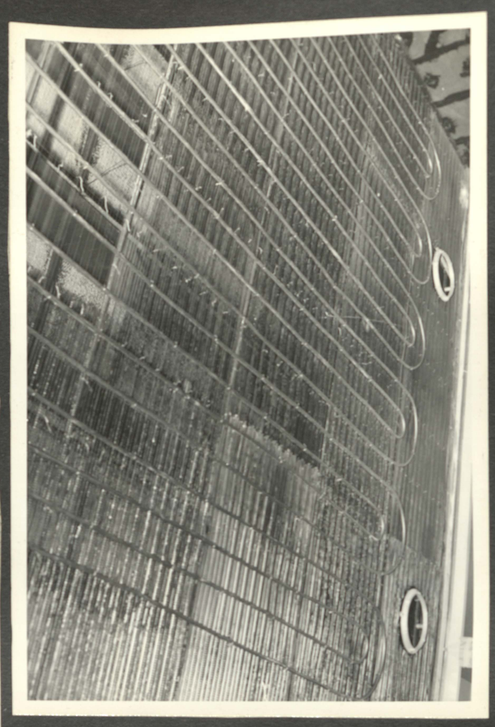







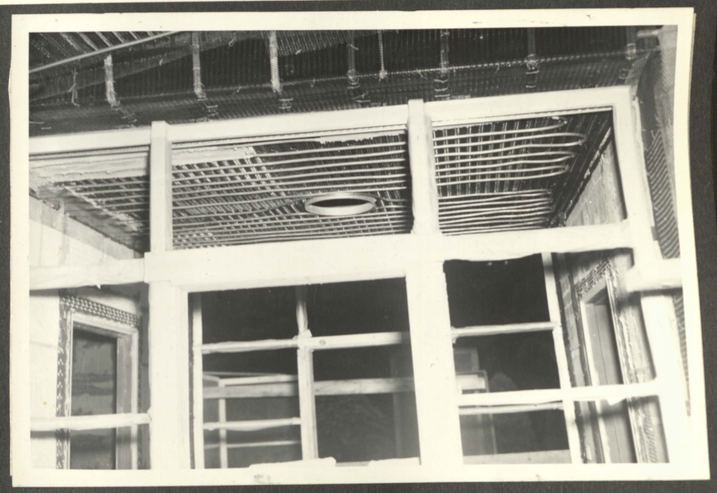

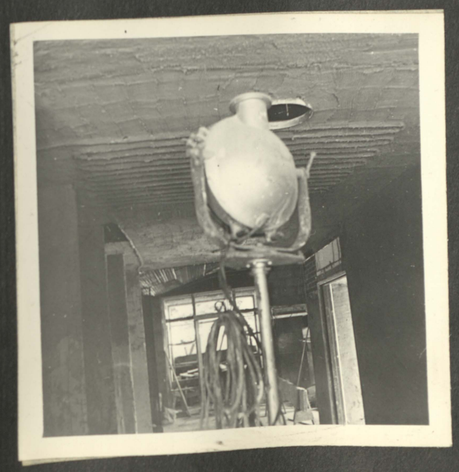



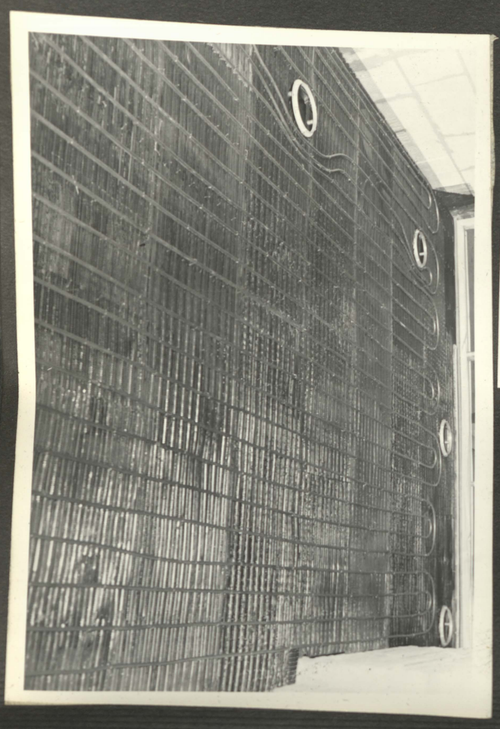

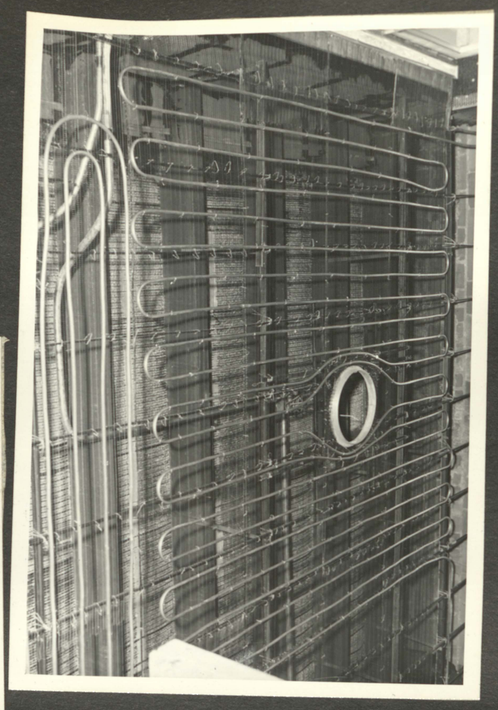



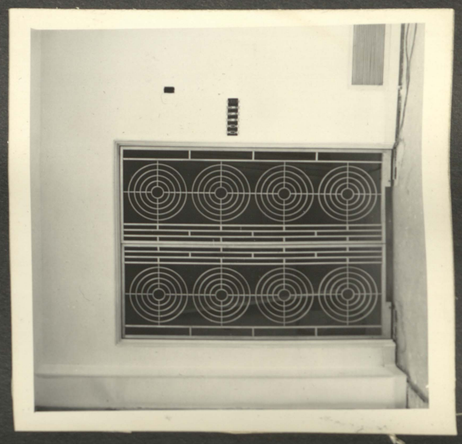



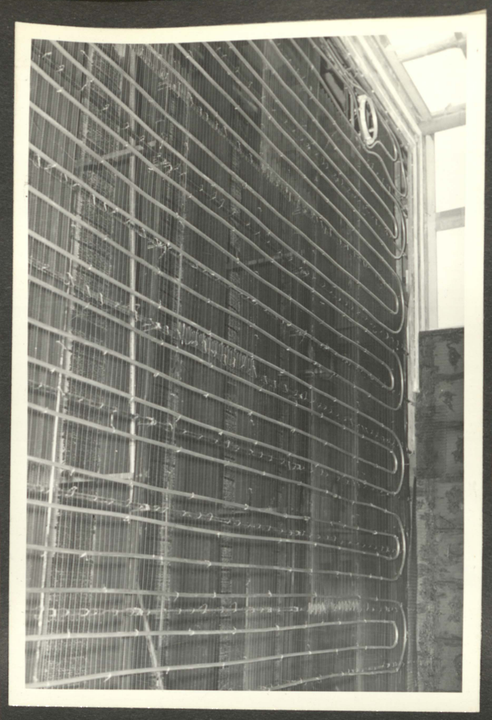

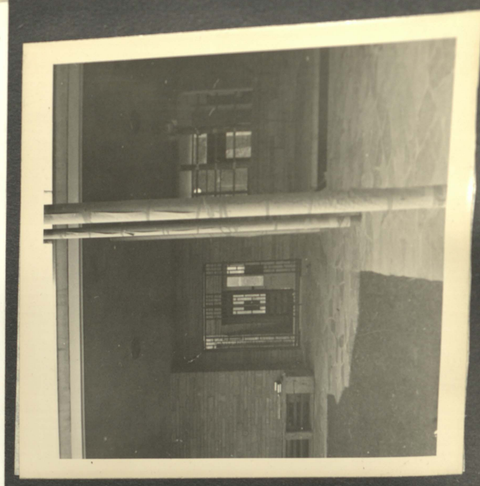





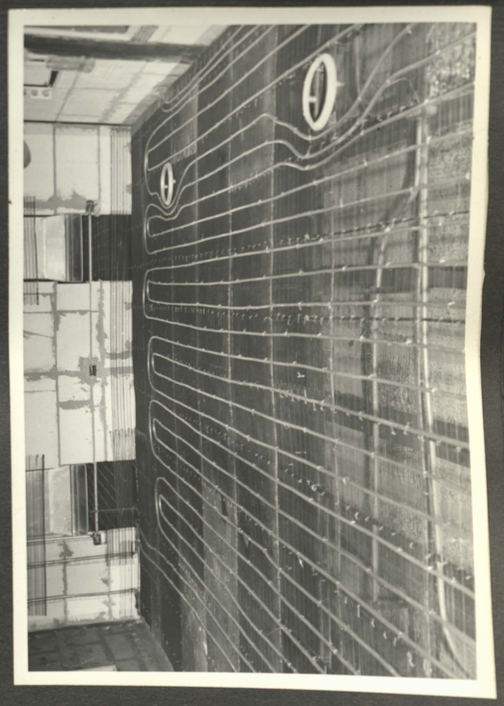

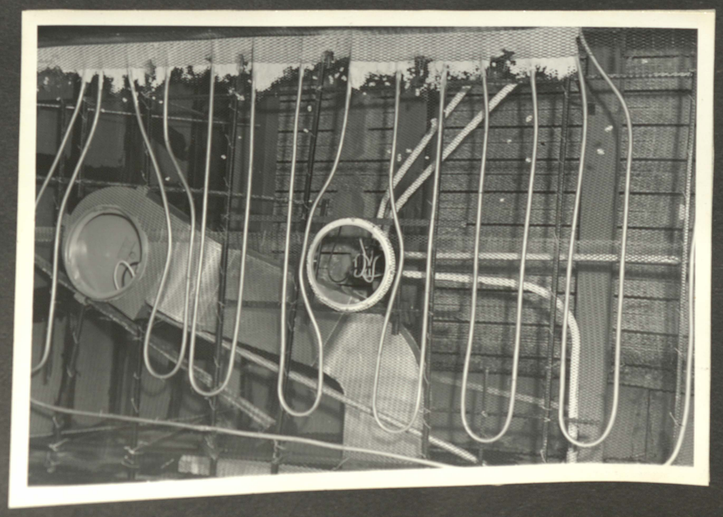

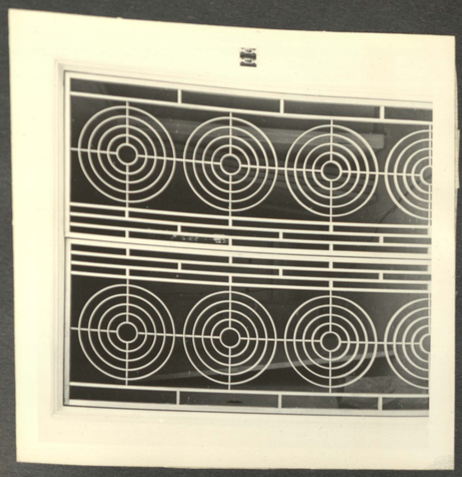





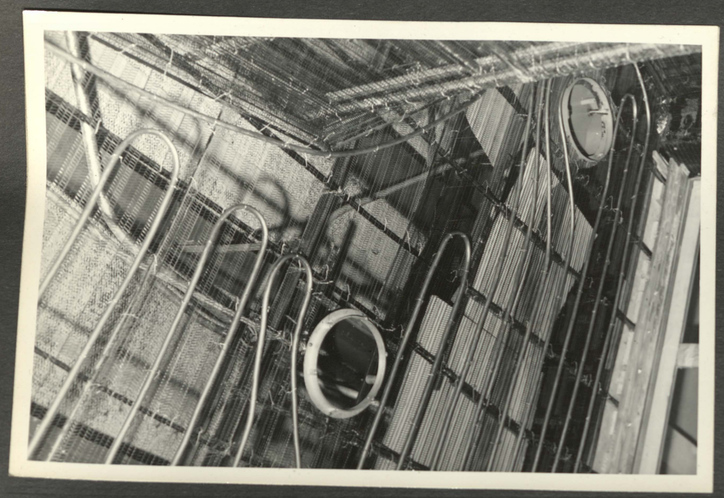

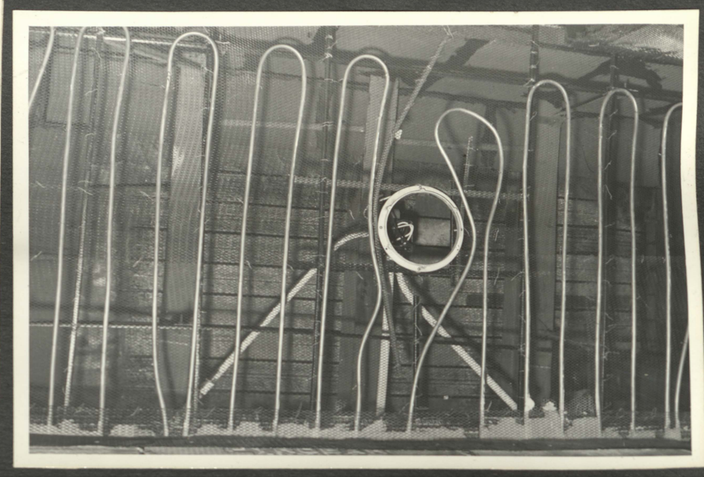

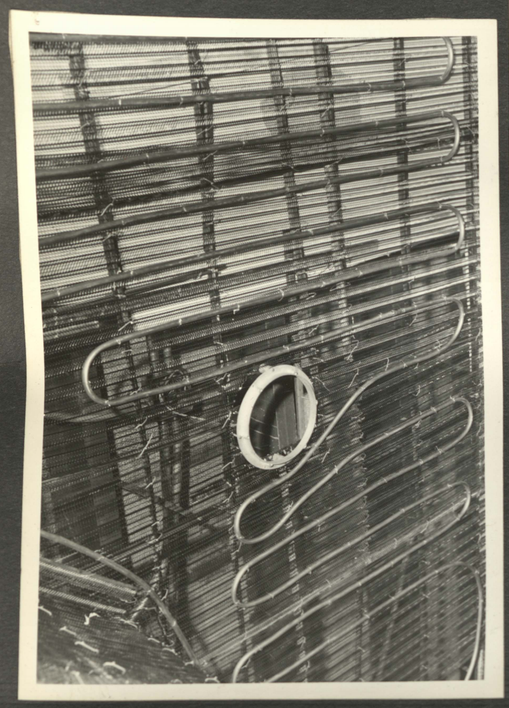

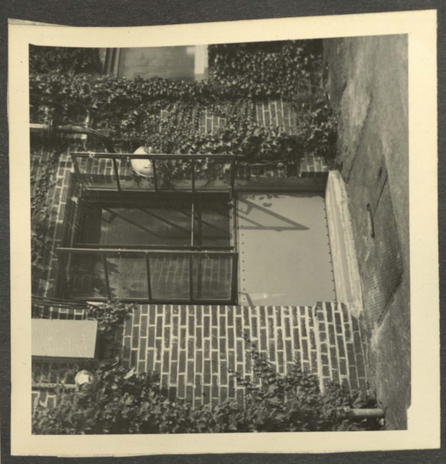







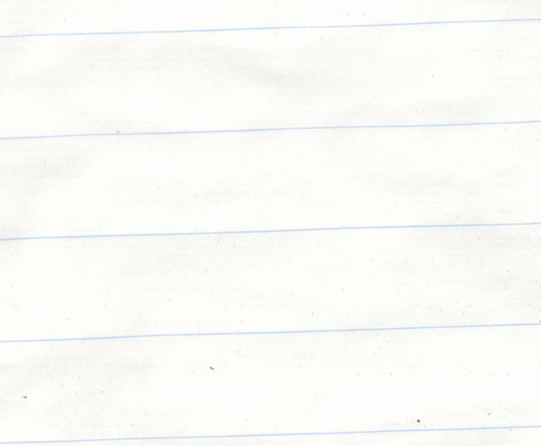







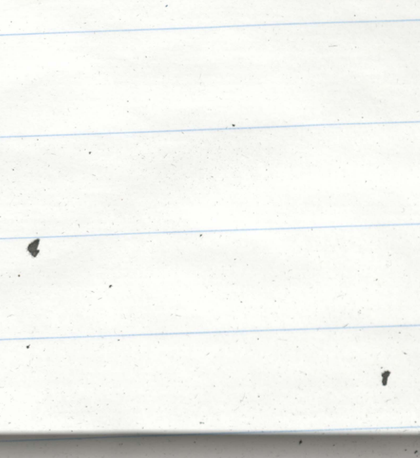








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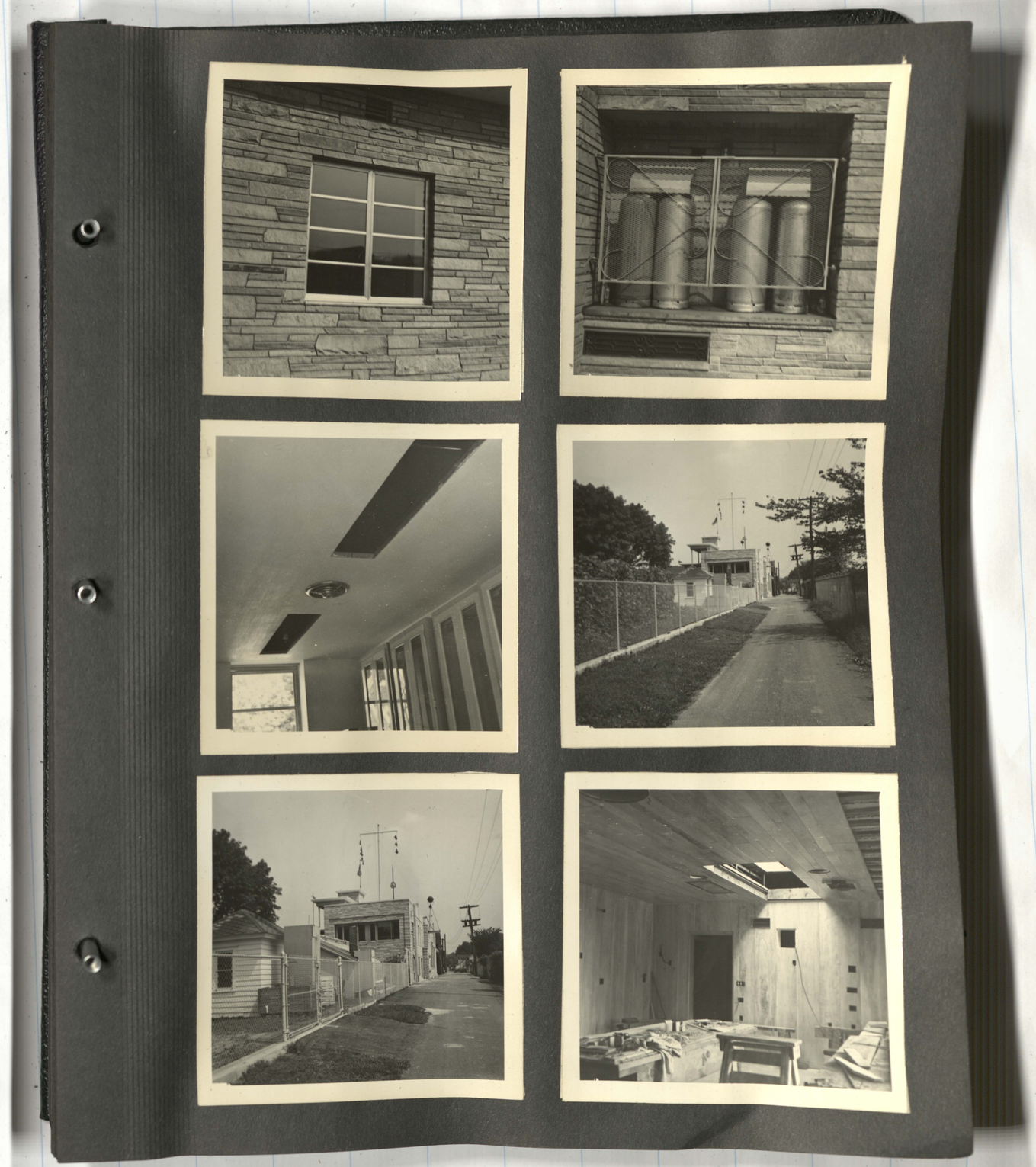







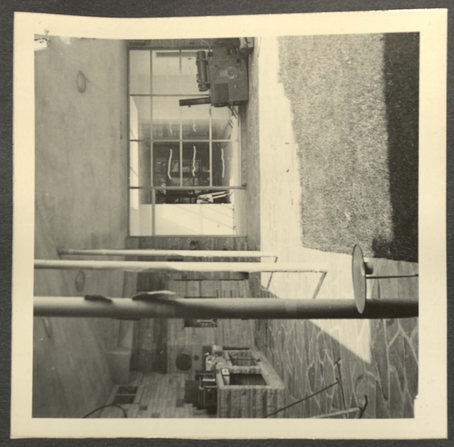



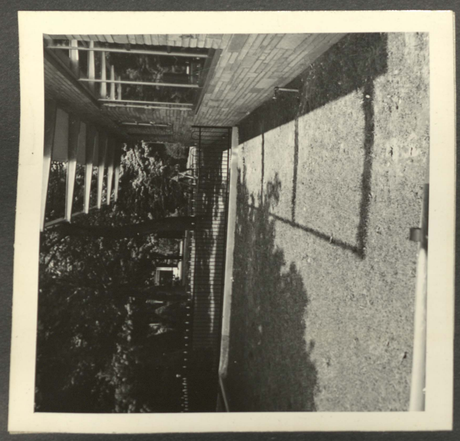



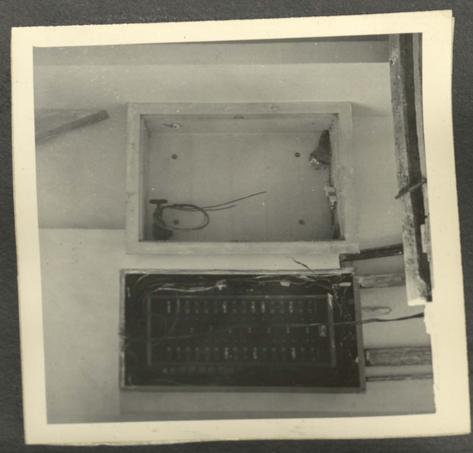



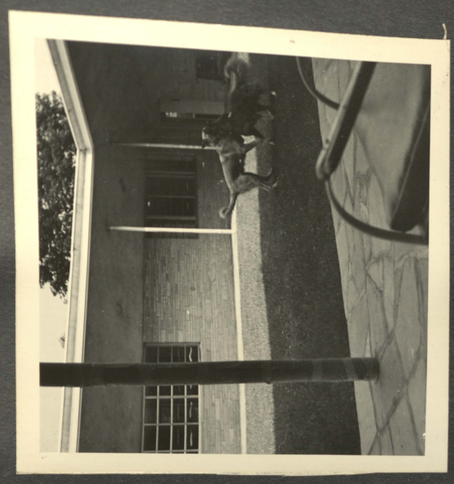







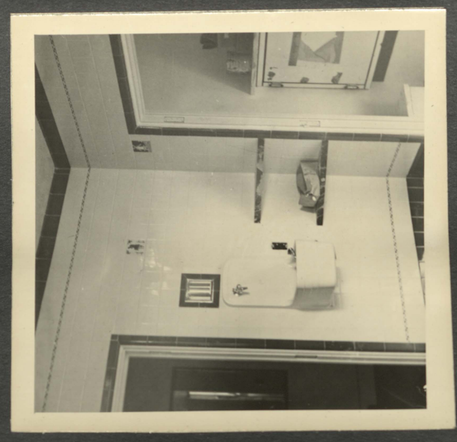

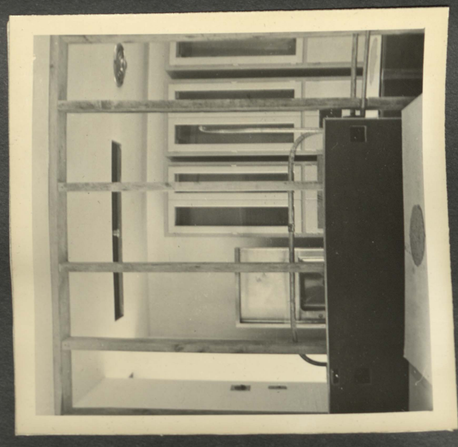



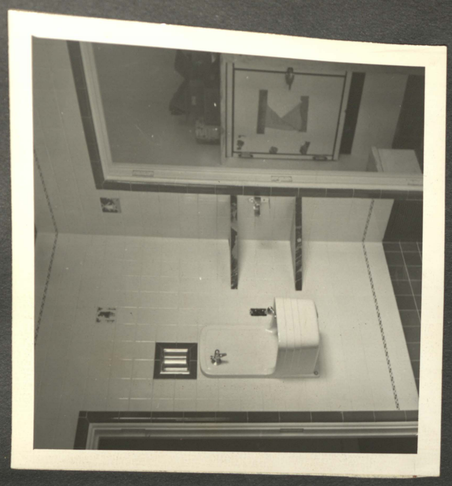

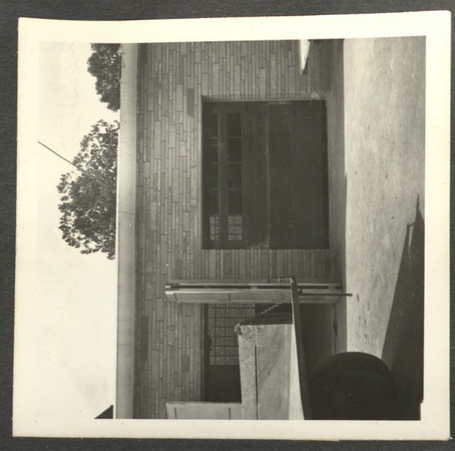





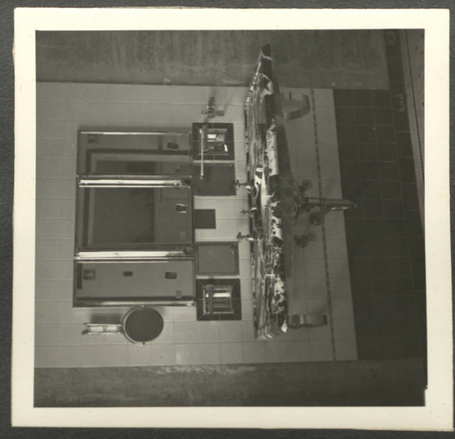





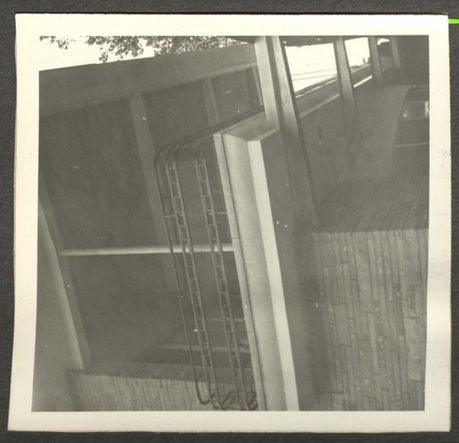

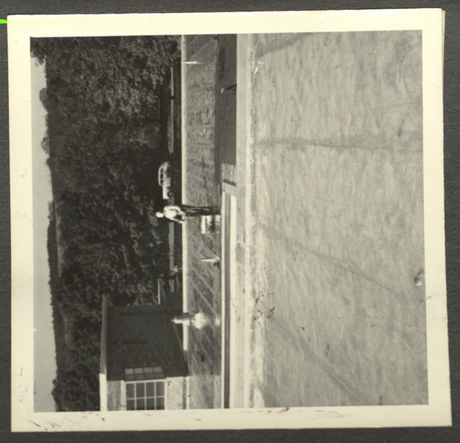




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FOREWORD

Too many years have passed since the architects of metropolitan Philadelphia sponsored the last of their year books which had been, till then, published almost annually for the pleasure and edification of the citizenry hereabouts. Those year books were thick, handsome volumes picturing all of the major, and some of the minor, creations of that day, and must have excited in the hearts of many the desire to obtain a more human and beautiful architectural environment for themselves and their communities.

This year book may not be as thick nor as representative as could be desired, so we ask our kind readers' forebearance till next year brings forth one that will be richer in content. But we have inserted some description of how the architect serves his fellow men, information which is not, even at this late date, as superfluous as it may seem. The public is well acquainted with the atomic physicist and his relatively new profession; the architects belong to a profession that has a long and glorious history, and yet are not well enough understood these days.

Therefore, the members of the Philadelphia Chapter of the American Institute of Architects present and dedicate this 1949 year book to their fellow citizens and neighbors of this region, hoping that it will be, like its predecessors, pleasurable, edifying and architecturally exciting.

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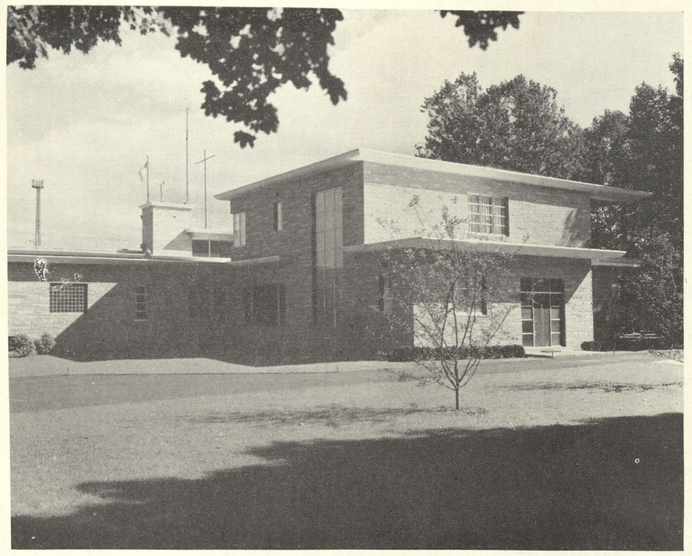

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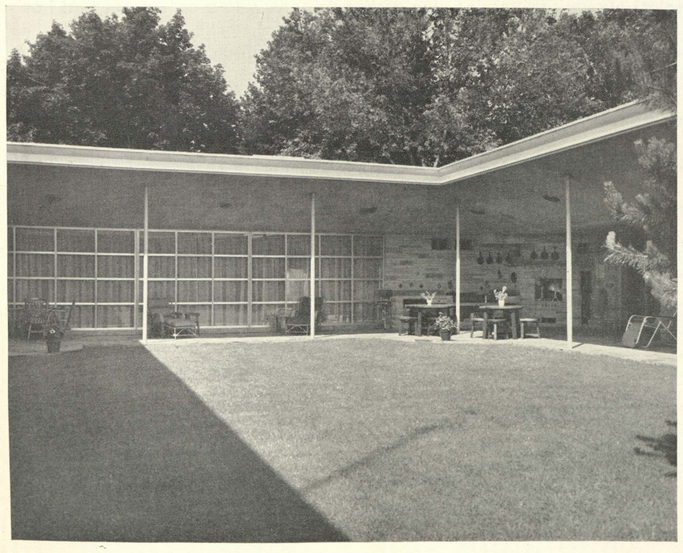



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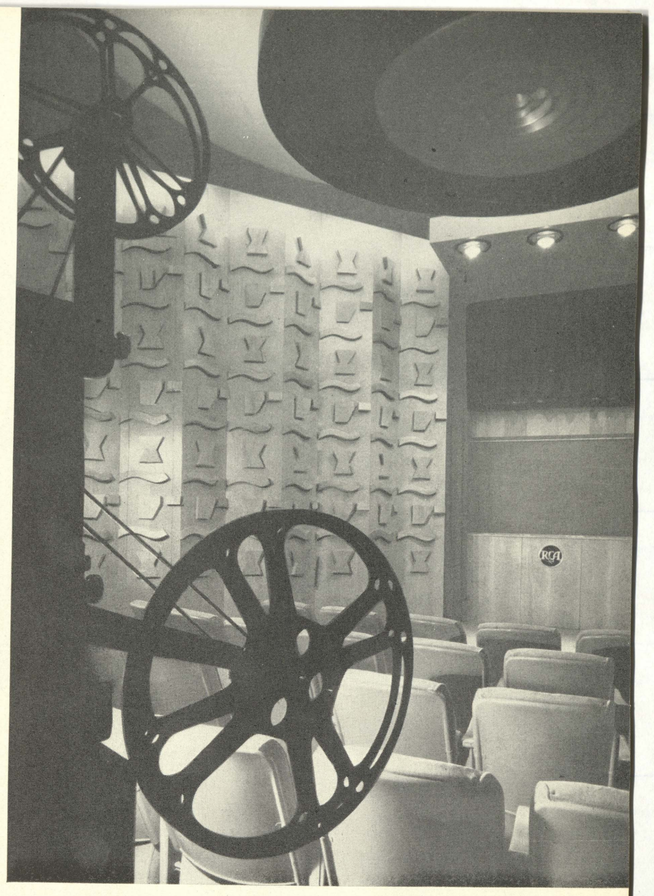

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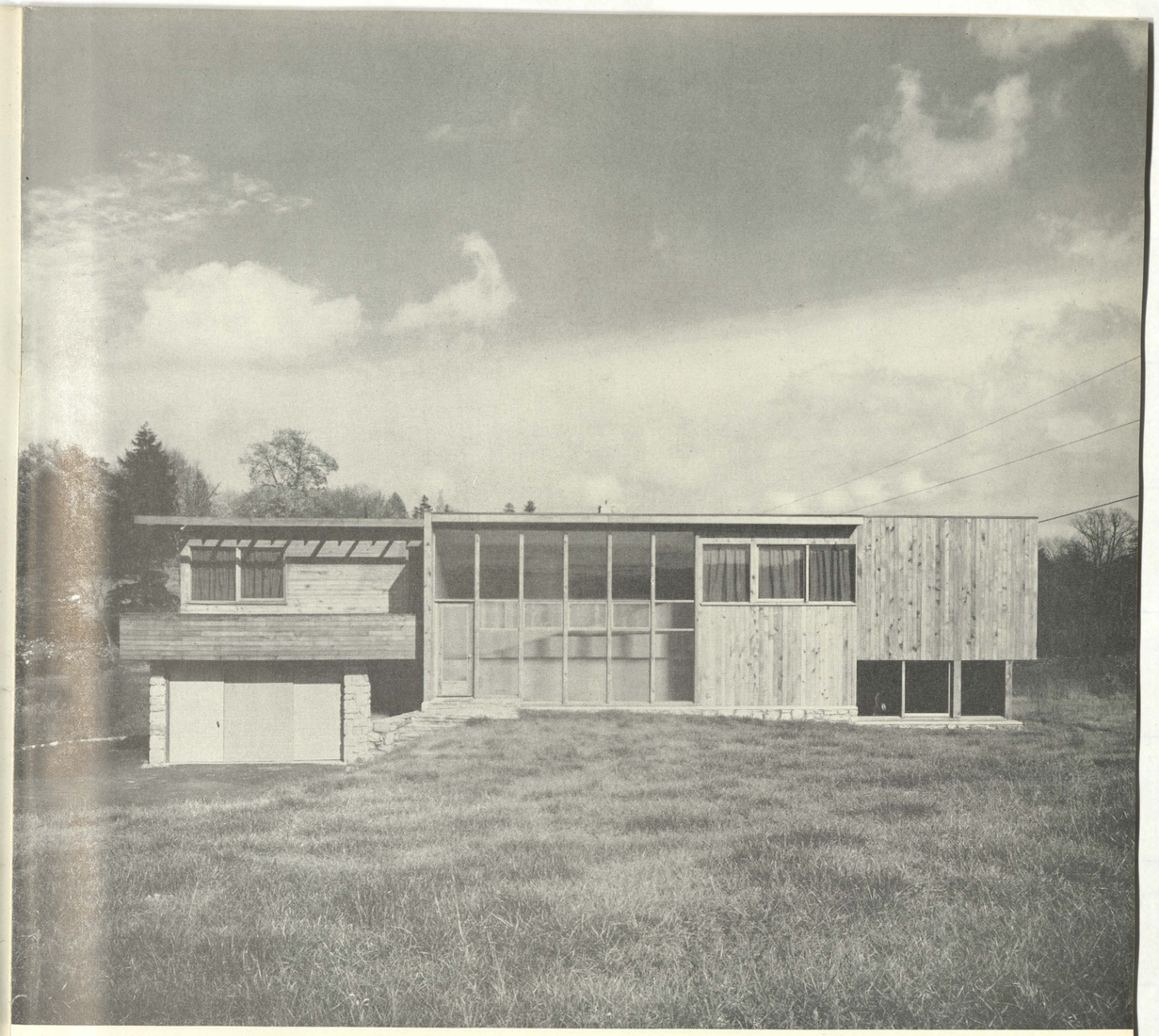

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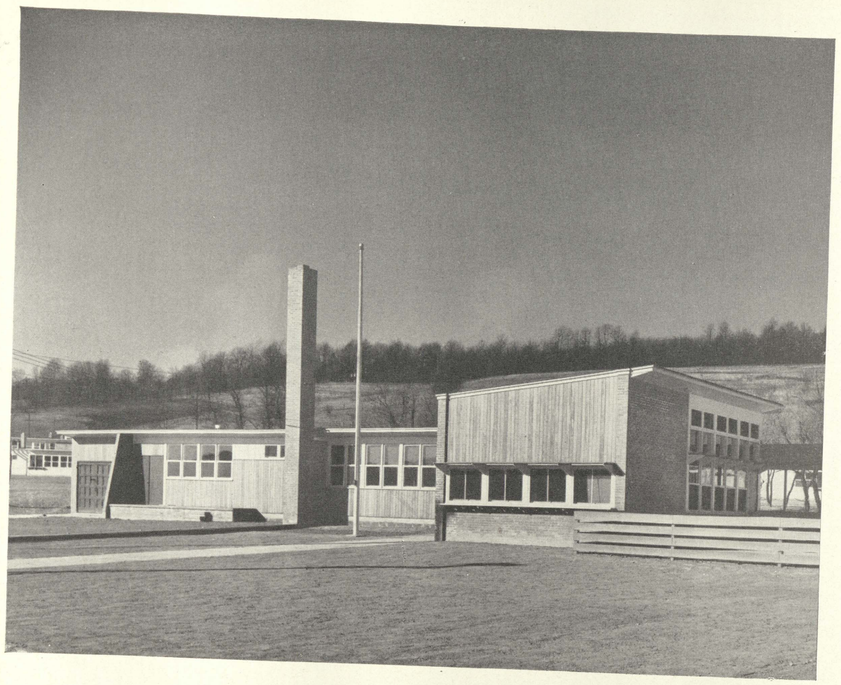

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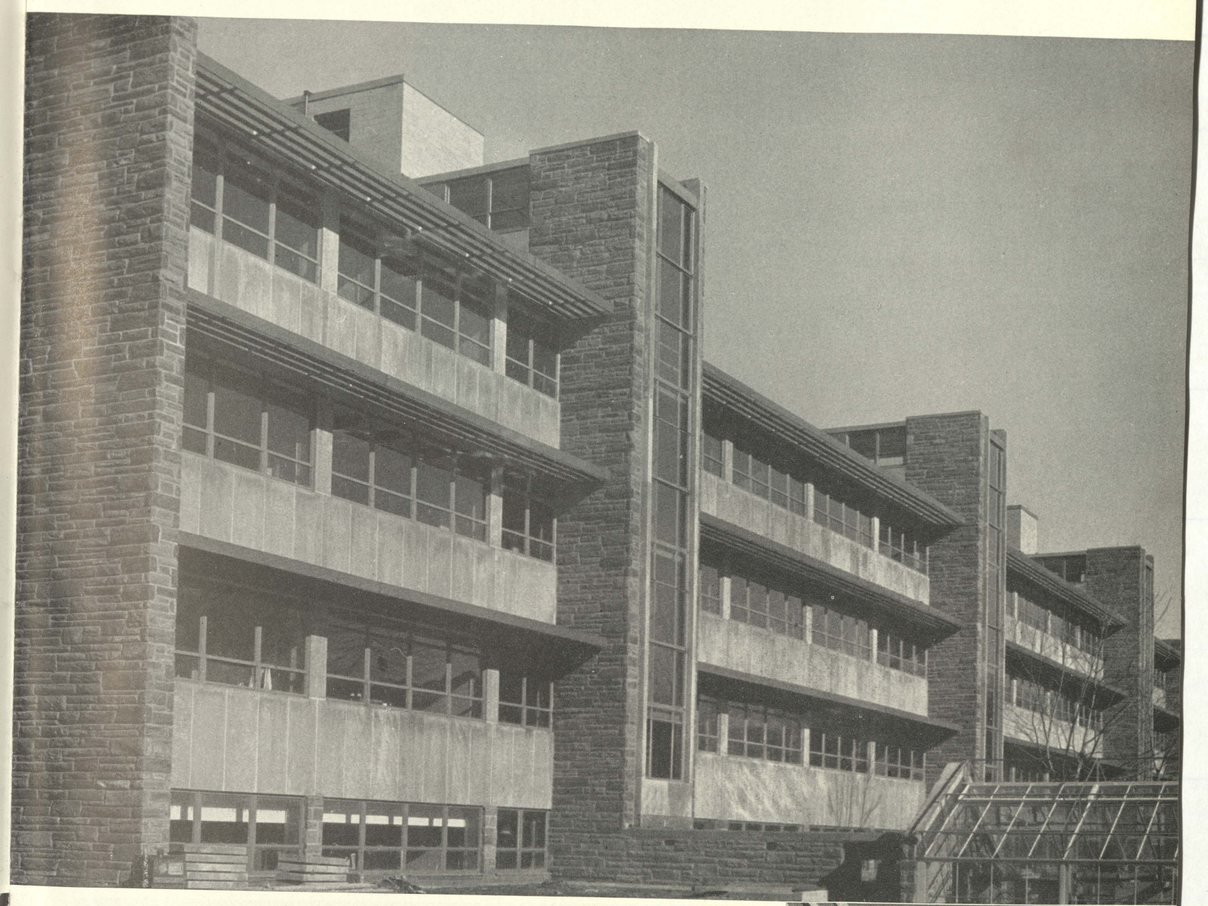

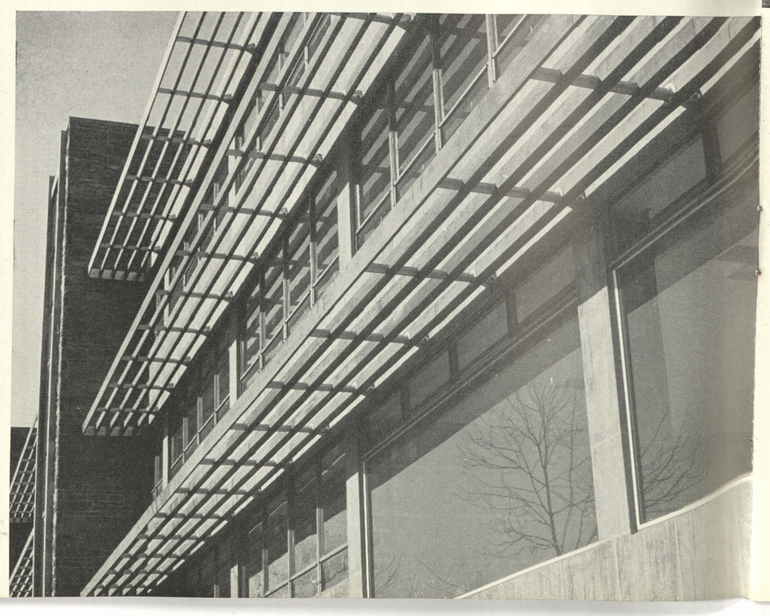

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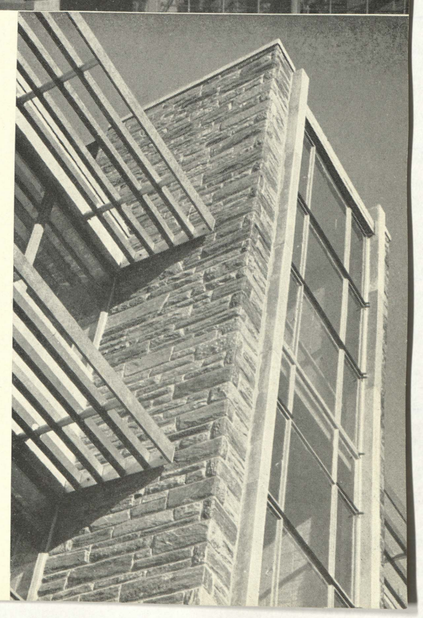

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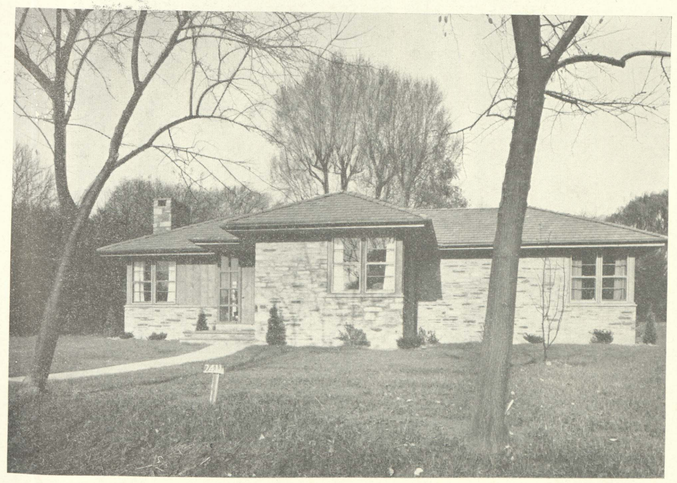

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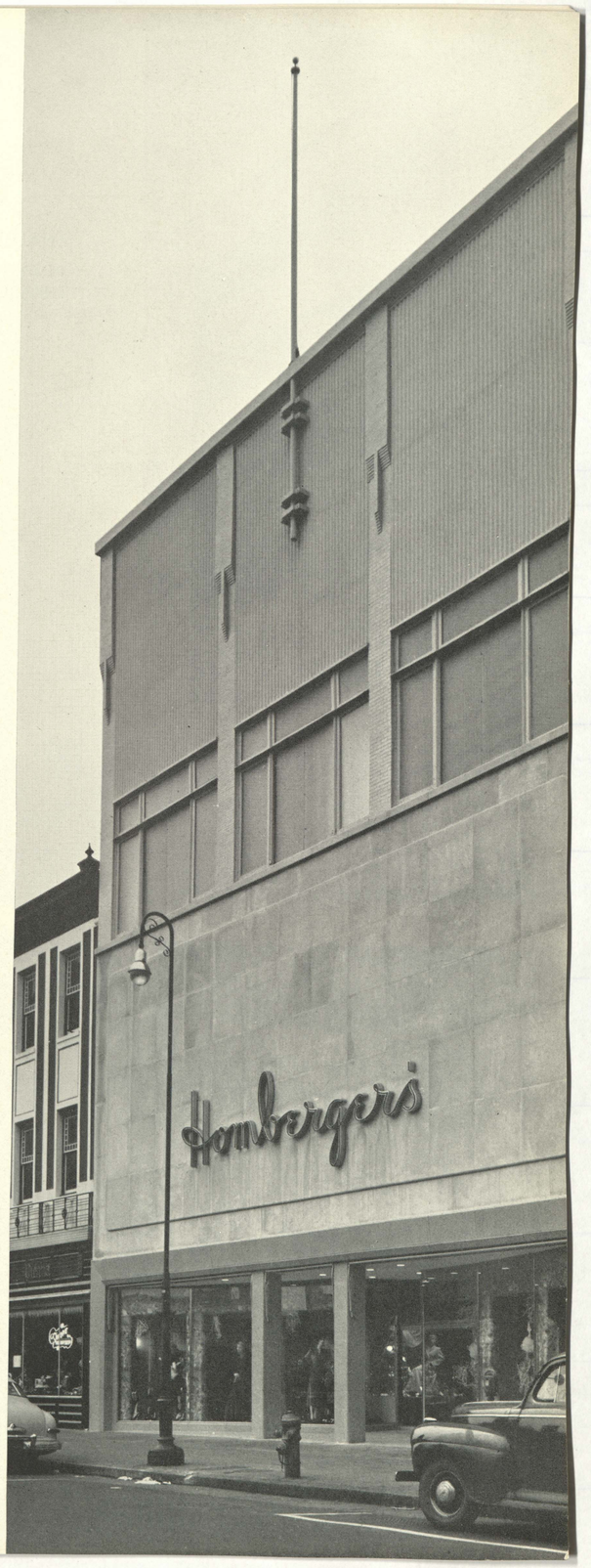

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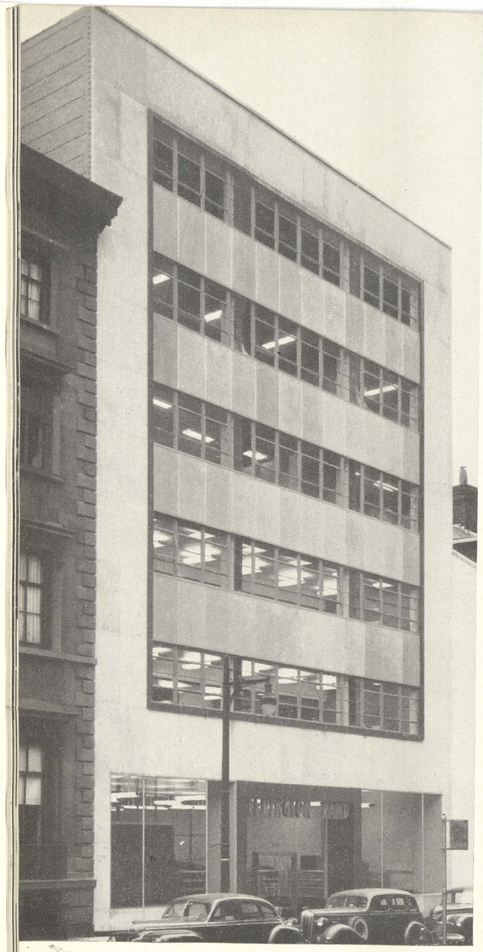

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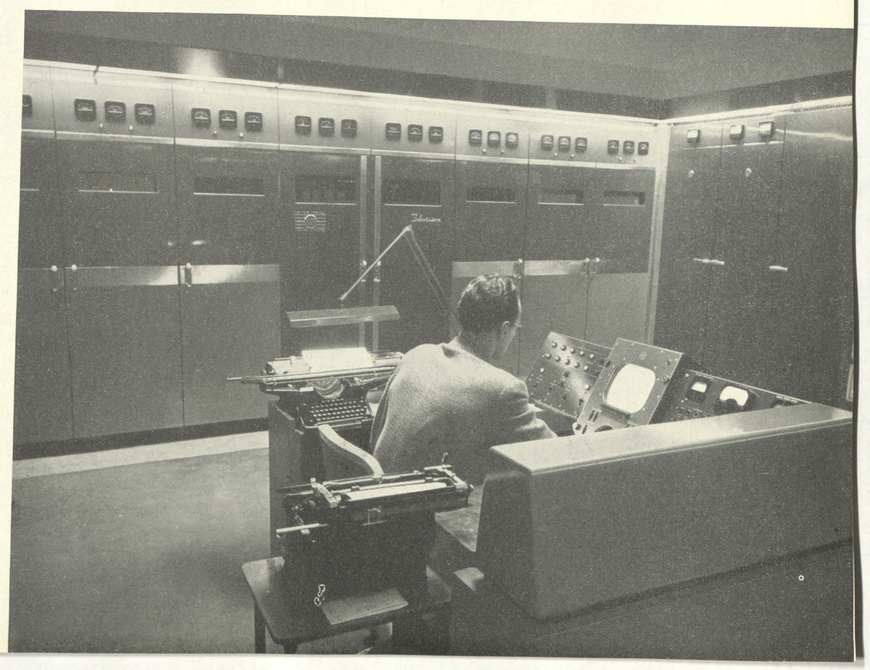

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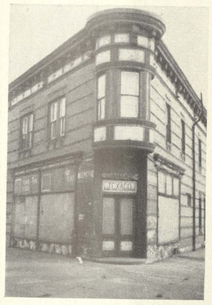

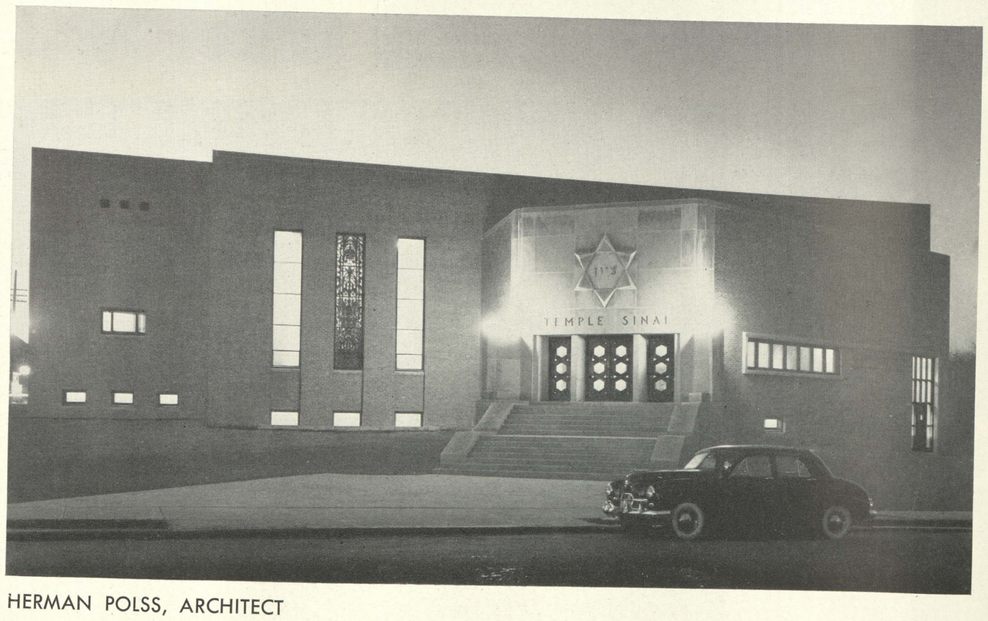

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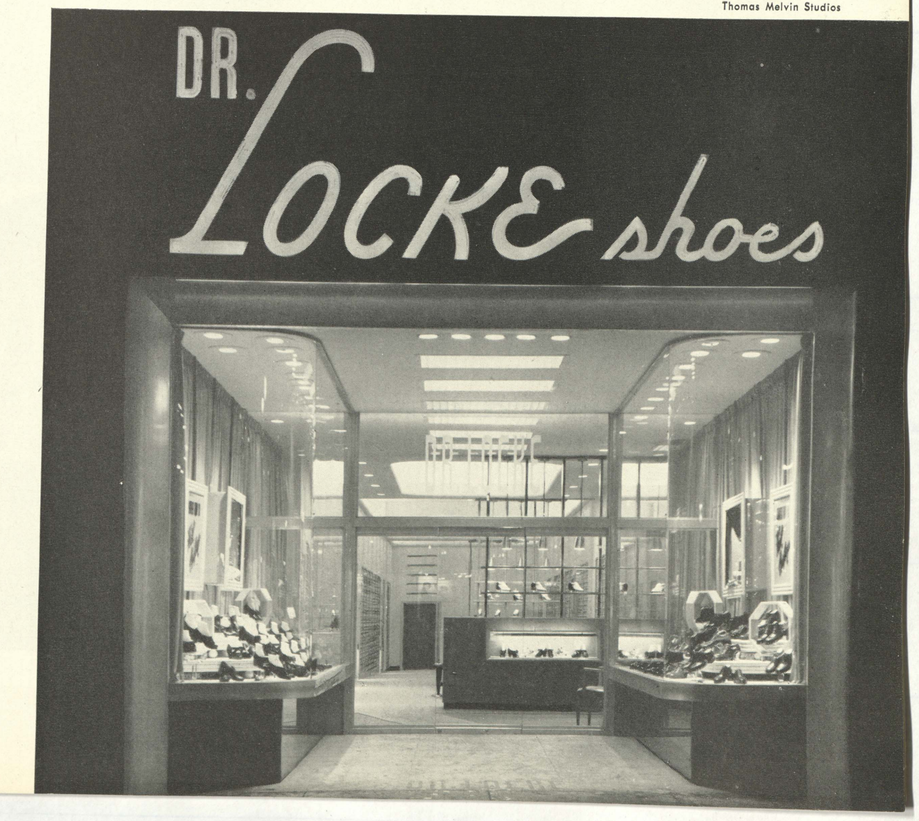

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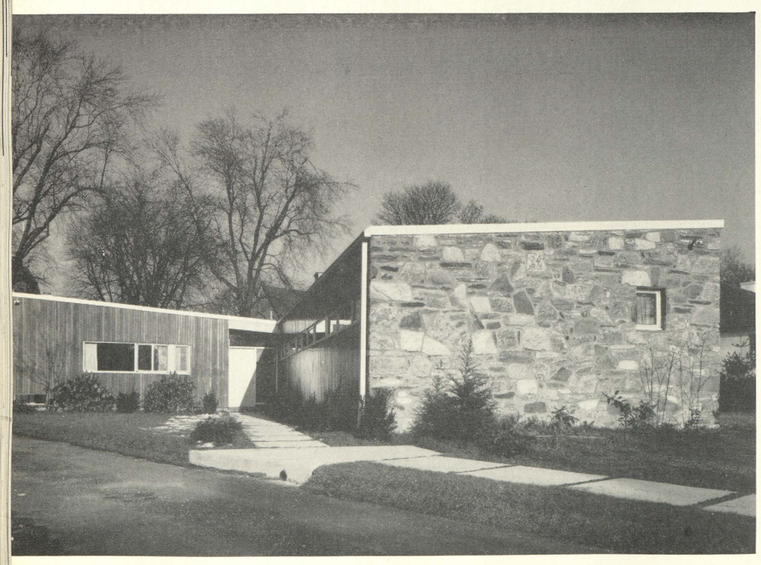

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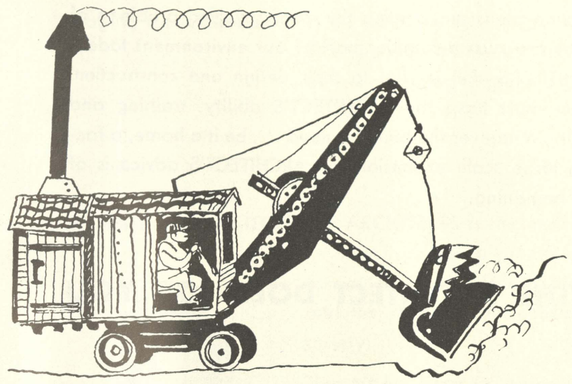

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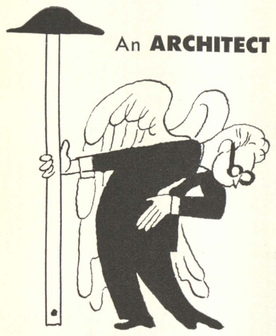

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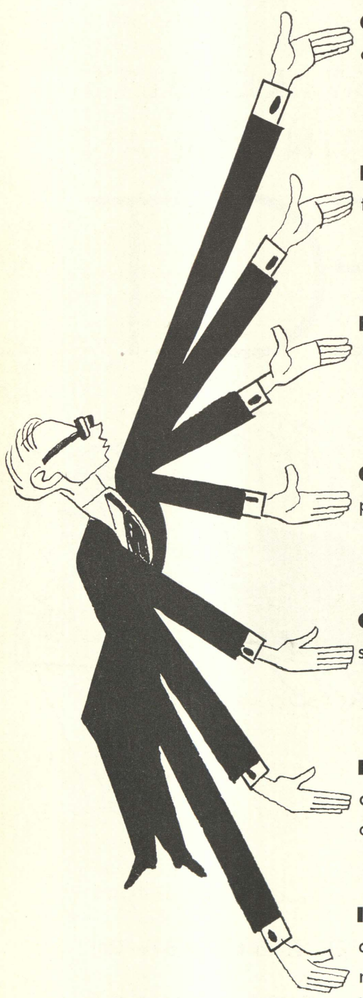

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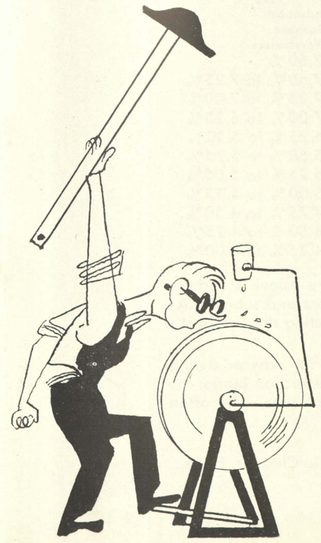
THE AMERICAN INSTITUTE OF ARCHITECTS is the national organization of the architectural profession. Its objectives are to promote the practical and scientific efficiency of the profession and to advance aesthetics and education in architecture, the allied arts and the sciences, and constantly to increase the services of the profession to society.

The A.I.A., since its organization in 1857, has been steadily successful in advancing the architectural profession and in improving conditions which affect the welfare of the public. The initials A.I.A. after an architect's name have come to be recognized publicly, and in the courts of the country, as a certificate of merit in the professional field. The A.I.A. standards of ethical conduct are voluntarily observed by its members and it has led the way in securing laws in nearly every state for the registration of architects.

THE PHILADELPHIA CHAPTER OF THE AMERICAN INSTITUTE OF ARCHITECTS, organized in 1872, is one of the ninety self-governing chapters of the Institute. It has numerous active committees engaged upon subjects of general interest to the public and the profession, such as . . .



- **Neighborhood planning**
- **Education**
- **Trends in architecture**
- **Safety measures**
- **Pamphlets on what to expect from an architect.**
- **Up-to-date listing of architect members and data concerning them.**
- **A clearing house for general information of building problems and procedure.**
- **Standard contract forms.**
- **Pre-school advisory services and catalogs of accredited schools and colleges of architecture.**
- **Travel and study scholarships for the architectural field.**
- **Stimulation of better design of small homes and apartments.**
- **Encouragement of interest in better Philadelphia planning through the distributing of awards and medals.**
- **Lectures and discussions on new materials and methods.**
- **Aid to foreign students and architects in new American materials and methods of construction.**
- **Co-operation with the legislature for better community planning, studies of zoning, traffic, housing, and recreational facilities.**
- **Maintaining the highest standards of ethics among members.**

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THE ARCHITECT'S SERVICES

It may seem to many people that architectural services have become standardized over the years—even cut and dried—and that it should be a simple matter to describe them, but this is not the case. Each project has its special aspects, each client has his or her own requirements, therefore the architect will personally describe in detail his services to his client, especially those which the particular project demands. For mutual protection and the prevention of misunderstandings, he will provide a written agreement covering such service and the fees to be paid for them. Let us here merely outline the salient features of architectural services and let the client hear their full description from the architect of his choice

1. DURING THE PRELIMINARY STAGE: The client and architect discuss the general outlines and detailed requirements of the project, its location, plan, design, structure, equipment and costs. Then the architect forms his conception of the building which he pictures in preliminary plans and sketches so the client can study and discuss it. Changes and modifications are made until the design is determined.

2. DURING THE WORKING DRAWING STAGE: The architect prepares the technical drawings of plans, facades and details, showing construction and materials, with notes and schedules. Drawings are made of plumbing, heating, air conditioning and electrical installations, of structural steel and reinforced concrete work. He will write detailed specifications describing the kind, quality and method of building-in each of the multitudinous materials that are part of the structure. It is from these plans and specifications that builders determine their costs and make their bids, and the selected builder is bound by his contract to build the structure in accordance with them.

3. DURING THE CONSTRUCTION STAGE: The architect helps select builders to bid on the work, assists in receiving their bids, and advises the client regarding the award of contracts. He will prepare, or will help prepare, the contract agreements. During construction, he inspects the work at periodic intervals, to prevent the builder from misinterpreting the plans and specifications and to require that errors in construction be corrected. Large scale details will be drawn, letters written, phone calls made, all to guide the builder. The architect audits the builder's bills and authorizes their payment. When the project is finished and the work approved by the architect, his normal services are completed.

THE ARCHITECT'S FEES

The architect renders varied and most valuable professional services to his client, not only in the form of plans and specifications but also in other written and spoken prescriptions. Since the architect's compensation comes only from his client, it is to the client's advantage that the fees be such as will enable the architect to give the very best of his professional abilities, skill and experience. It is shortsighted to shop for the lowest fee; it is unethical for architects to compete on the basis of fees. It is also unethical for architects to submit competitive designs except under the regulations of the American Institute of Architects.

For some projects the fee may be a certain fixed sum; for others it may be a certain fixed sum or salary plus the architect's costs and overhead. Most often the architect will charge a percentage of the total cost of the building. It is important to remember that some types of buildings require more detailed, special and longer study than others, hence the variations in the percentages set forth in the following schedule.

The schedule is the result of much study on the part of the organized profession and represents the recommended minimum fees.

COST OF PROJECT	TYPE "A" Hospitals, Schools, Apartments, Hotels, Banks, Theatres, Stores	TYPE "B" Monumental Buildings, Churches, Residences	TYPE "C" Industrial Garages Warehouses
$25,000 and Under	9.50%	10.00%	7.50%
25,000 to 50,000	9.50% to 9.25%	10.00% to 9.75%	7.50% to 7.25%
50,000 to 100,000	9.25% to 9.00%	9.75% to 9.50%	7.25% to 7.00%
100,000 to 200,000	9.00% to 8.25%	9.50% to 8.75%	7.00% to 6.25%
200,000 to 400,000	8.25% to 7.50%	8.75% to 8.00%	6.25% to 5.50%
400,000 to 700,000	7.50% to 7.25%	8.00% to 7.75%	5.50% to 5.25%
700,000 to 900,000	7.25% to 7.00%	7.75% to 7.50%	5.25% to 5.00%
900,000 to 1,000,000	7.00% to 6.75%	7.50% to 7.25%	5.00% to 4.75%
1,000,000 to 2,000,000	6.75% to 6.50%	7.25% to 7.00%	4.75% to 4.50%
2,000,000 to 3,000,000	6.50% to 6.25%	7.00% to 6.75%	4.50% to 4.25%
3,000,000 to 4,000,000	6.25% to 6.00%	6.75% to 6.50%	4.25% to 4.00%

Detailed negotiations between the client and his architect will cover modifications of the above schedule which may be due to a number of factors, such as methods of awarding contracts to builders and subcontractors, changes to drawings and specifications, employment of consultants, or other items affecting the architect's services and costs.

For his services during the Preliminary Stage the architect is to be paid 20% of his fee; for services during the Working Drawing Stage he is to receive 55% of his fee; and for services during the Construction Stage, the remaining 25% of his fee. Since these services are likely to extend over long periods of time, it is often arranged that payments on account be made monthly or at other stated intervals.

Additional copies of "The Architect's Services and Fees" may be obtained at the Philadelphia Chapter, P.S.A., A.I.A. office.

THE PRODUCERS' COUNCIL, INC.

The Council is a national organization representing manufacturers of all major types of building materials and equipment. It was formed twenty-eight years ago—in 1921—for the principal purpose of encouraging the wider use of quality building products and of stimulating the adoption of programs and techniques designed to lower the cost of building.

Through the Council, manufacturers work together today to maintain a healthful climate for construction, to advance the industry technically, and to develop wider markets for their products.

The Council is affiliated with the American Institute of Architects, having been founded as the result of a request from architects for an organization that would provide them with authentic factual information about building products.

In the Council's Technical Information Bulletin, which is reviewed by the technical staff of the A.I.A., members of the Council place the facts about their products before the nation's designers in authoritative form.

In addition to its national office in Washington, the Council has 30 Chapters, located in the nation's largest markets, which work cooperatively with chapters of the A.I.A. and other local industry groups.

Through the joint sponsorship of modular coordination by the American Institute of Architects and The Producers' Council, the Industry Engineered Housing Program, and similar projects, the Council has made important contributions to the building industry as a whole. Currently, it is conducting on behalf of the whole industry a program to improve public attitudes toward the building industry, and its committees are at work developing and perfecting other programs designed to forward its basic objectives.

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THE ROLE OF THE GENERAL CONTRACTOR IN THE CONSTRUCTION INDUSTRY

While the Construction Industry as a unit is complex, it is not too much to say that the special and unique types of construction are solely responsible.

After the architect has completed his plans and specifications he must confer with a General Contractor for a bid. To execute properly the work required, the General Contractor consults with and secures bids from his subcontractors who make a specialty of performing specialized parts of the work.

GENERAL CONTRACTOR IS A COORDINATOR

In addition to supervising or laying footings, bearing walls, superstructure, installing partitions, floors, roofs and similar major components of the structure, the General Contractor coordinates the work of all the Specialty Contractors, as well as the work his own organization performs. He assumes responsibility for the finished result.

Essentially, however, the completed structure represents the cooperative work of the architect, the engineer, the specialty contractors and the financial interests, if any, which may have agreed to underwrite the costs.

CONTRACTORS SUPPORT ASSOCIATIONS

Progressive General Contractors are nationally organized. The technical and other requirements of the business, largely quasi-professional in nature, has made it evident that responsible contractors must not only build well, but that they must also make a contribution to their industry for themselves and for the benefit of the localities in which they operate.

These associations were formed voluntarily. They are financed entirely by contractors. Membership in a trade association is concrete evidence that the contractor has assumed obligations voluntarily for the betterment of construction.

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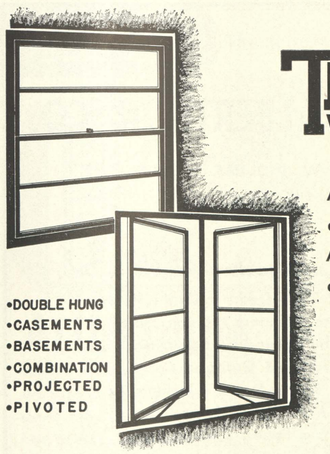

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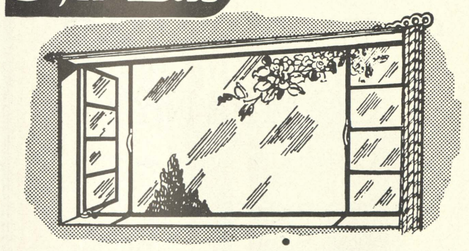

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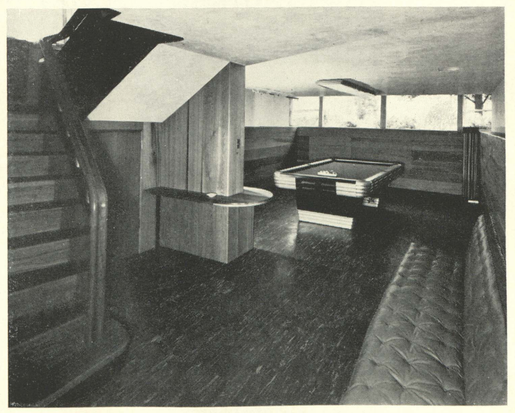

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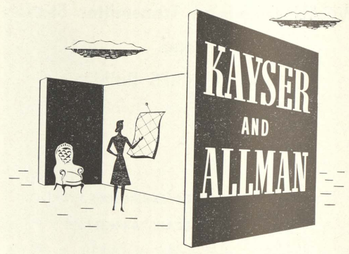

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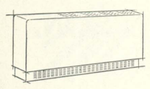

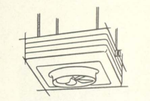

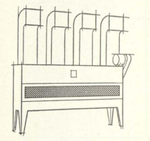

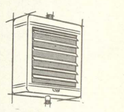

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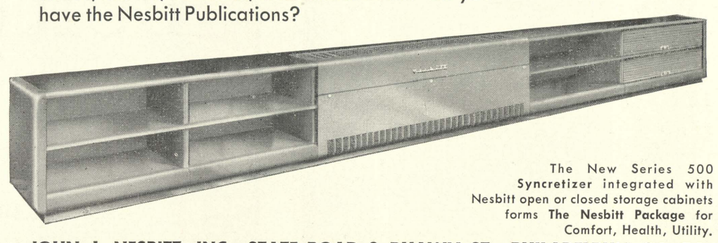

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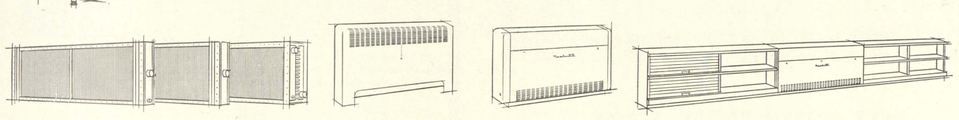

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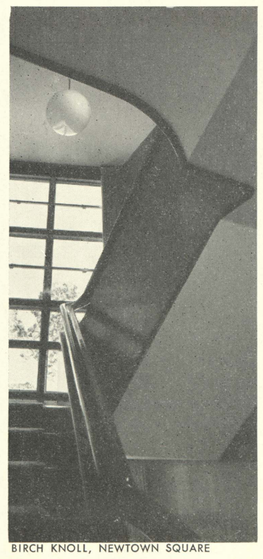

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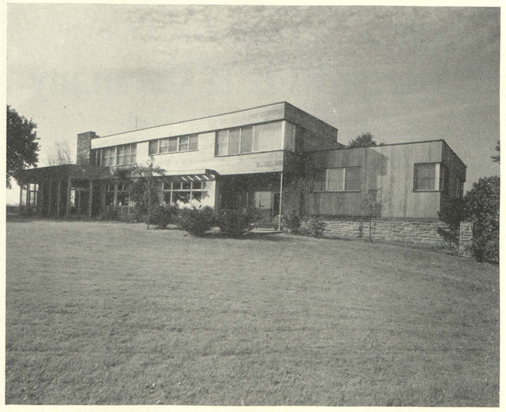

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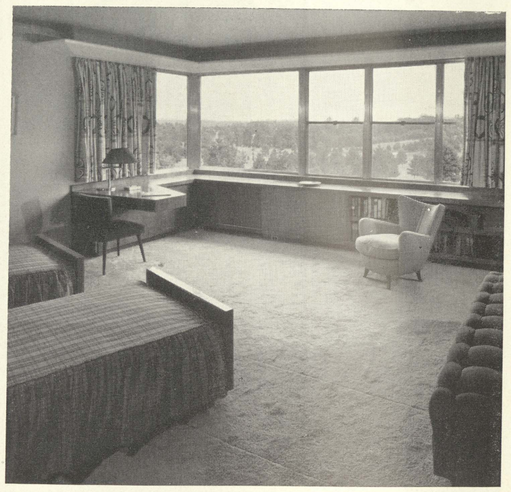

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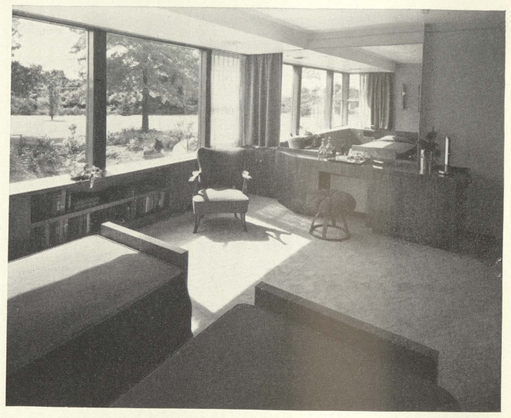

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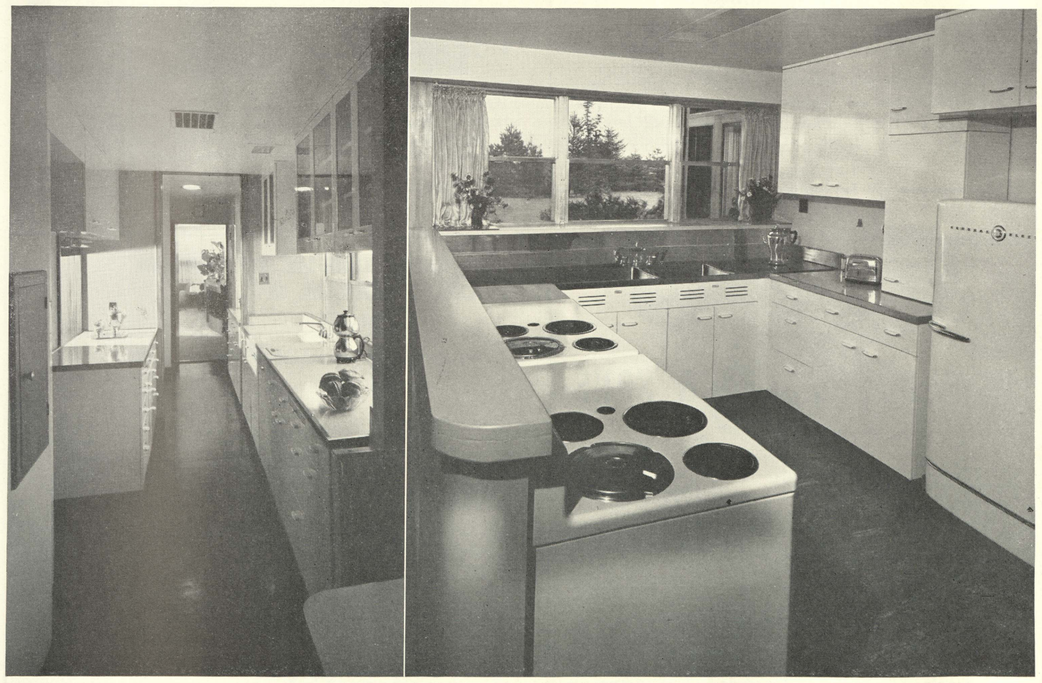

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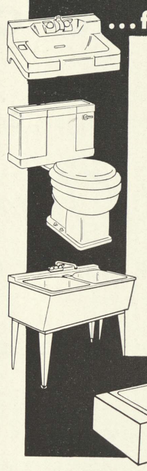

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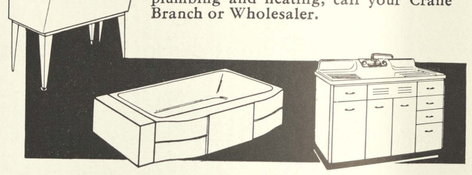

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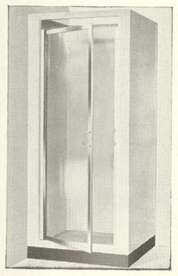

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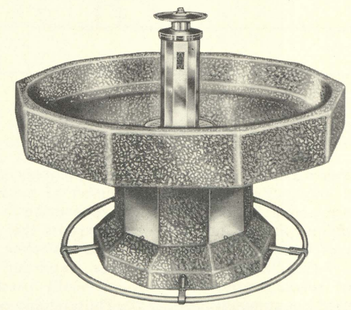

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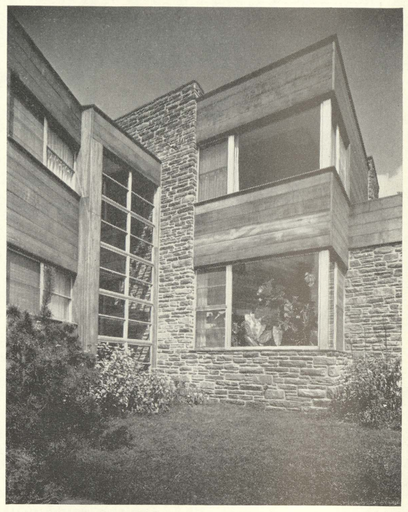

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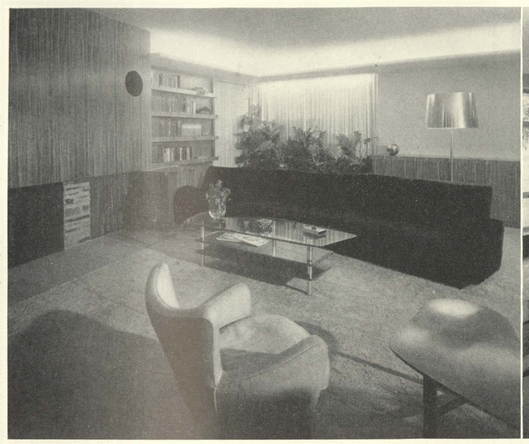

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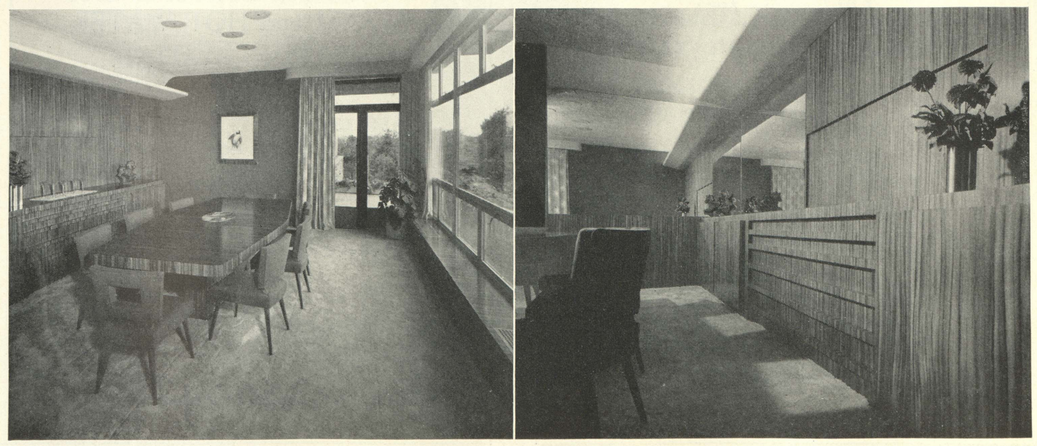

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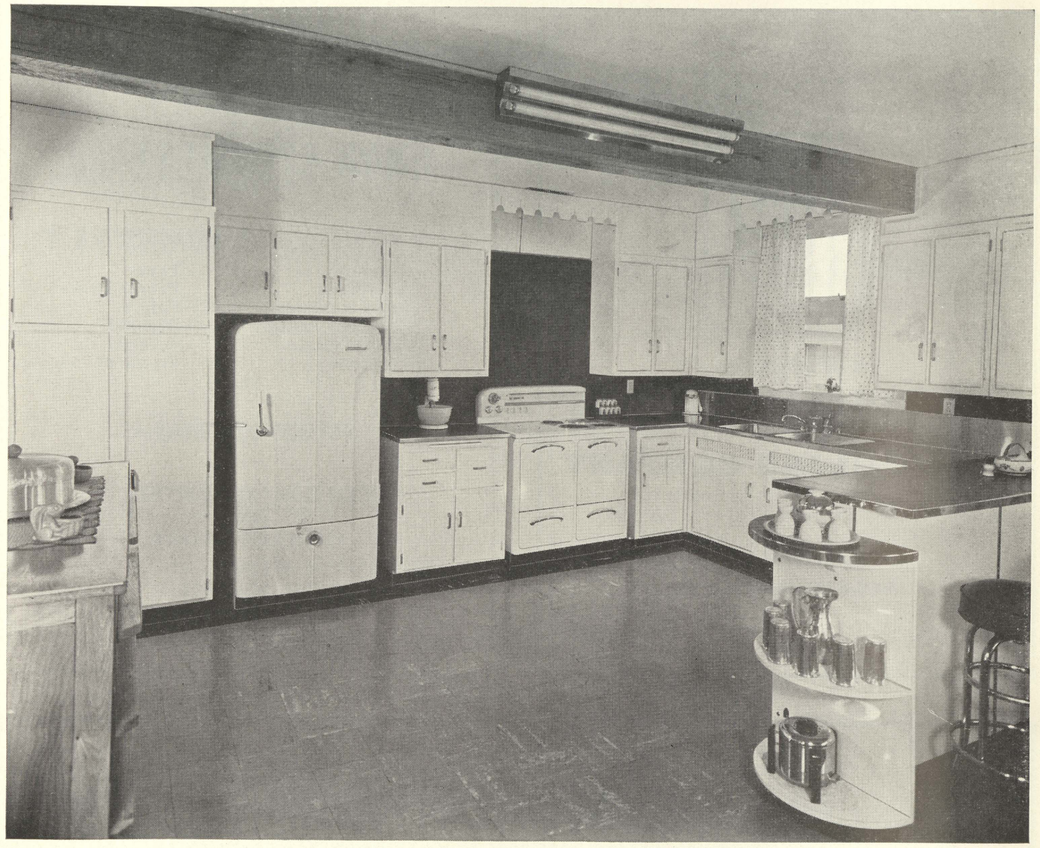

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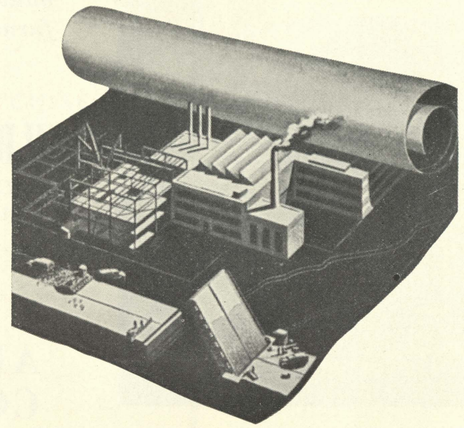

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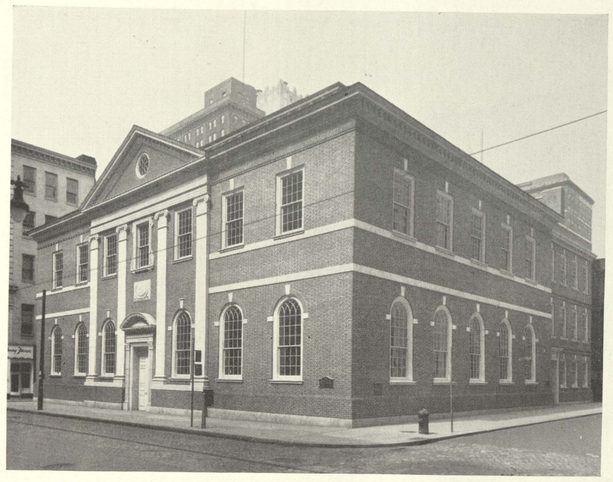

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PHILADELPHIA CHAPTER

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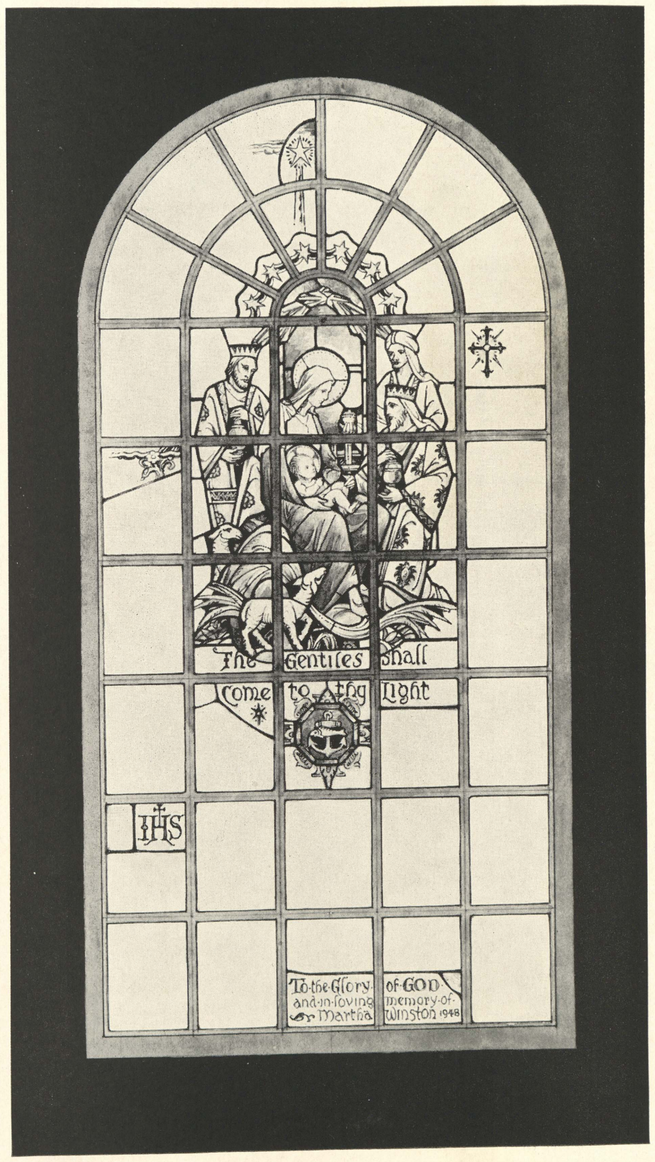
JESUS BEHOLDS THE WISE-MEN FROM THE EAST

In keeping with the trend toward Colonial Architecture in church building, we are pleased to offer herewith one of many possible solutions in stained glass. The area devoted to depiction of the subject does not overpower the delicate mullions of the colonial type window, but leaves comparatively large spaces of clear glass. If a window should be subject to direct sunlight the glass could be satisfactorily treated to reduce glare, eliminating the need for unsightly and dirt-collecting venetian blinds or curtains. The windows, while slightly more in original cost, not only save money for the client over a period of time, but add interest and beauty as well. The window illustrated was designed with the least possible cost in mind.



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THE D'ASCENZO STUDIOS • *Since 1896* • 1604 SUMMER STREET, PHILADELPHIA

CREATORS OF ORIGINAL WORKS OF ART IN STAINED GLASS MEMORIAL WINDOWS, MOSAICS, AND MURAL DECORATIONS IN FORTY STATES, THE DISTRICT OF COLUMBIA, AND FIVE FOREIGN COUNTRIES

Line Reference Target LRT-BE4-V2

A.I.A. File No. 27C2

GETTY

Hardware

for WOOD CASEMENT WINDOWS

OPERATORS AND ACCESSORY HARDWARE

CATALOG
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A.I.A. File No. 27C2

H. S. GETTY CO., INC. · PHILADELPHIA, PA., U.S.A.

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DISTINCTIVE CASEMENT HARDWARE

SINCE GETTY 1922



H. S. GETTY & CO., INC.
3348 N. 10TH STREET, PHILADELPHIA 40, PA.

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Printed in U. S. A.

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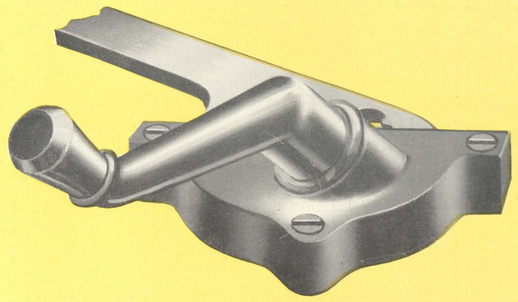
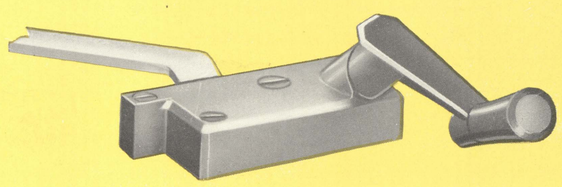
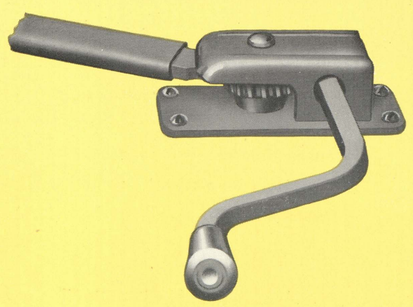
Line Reference Target LRT-BE4-V2



Function
and
Beauty
Combined...

Getty Operators for positive effortless Casement Window Control





COMPLETE CASEMENT WINDOW HARDWARE



Residence of Harry L. Magee, Bloomsburg, Pa.
Berninger, Haas & d'Entremont—Architects, Jenkintown, Pa.

FOREWORD

Since the days of the thatched cottages of the English countryside, the homes of nearly every period have reflected the unique charm of casement windows which blend convenience and livability with the best in residence construction. Because of their many advantages, their use has in no way diminished in contemporary architecture.

Casement windows give an authentic air of mellowness and dignity to conventional styles; or add character and smartness to the modern home. Equipped with the efficient casement hardware of today, they offer the most in utility and ease of operation.

GETTY

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INTRODUCTION

The outswinging casement window has always been preferred by architects and home owners alike. The Getty Company solved the problem of operating the casement window through the screen by designing and perfecting the Getty *Internal Gear* Angle drive casement operator for metal casements. Since 1928 the Getty Company has been manufacturing a complete line of quality hardware for the outstanding manufacturers of metal casement windows. The same designs and principles were adapted to operators for wood casements. Now it is possible to open or close a casement or hold it open in a fixed position without touching the screen.

Getty's complete line provides an operator to meet every condition. This catalog presents our operators and accessory hardware for wood casements. Each type of operator has been designed for a specific purpose. We suggest you select carefully the one best suited for your use.

Architectural details of our operators for both wood and metal casements are listed in Sweet's File for Architects.

THE UNIQUE CONVENIENCE OF CASEMENT WINDOWS

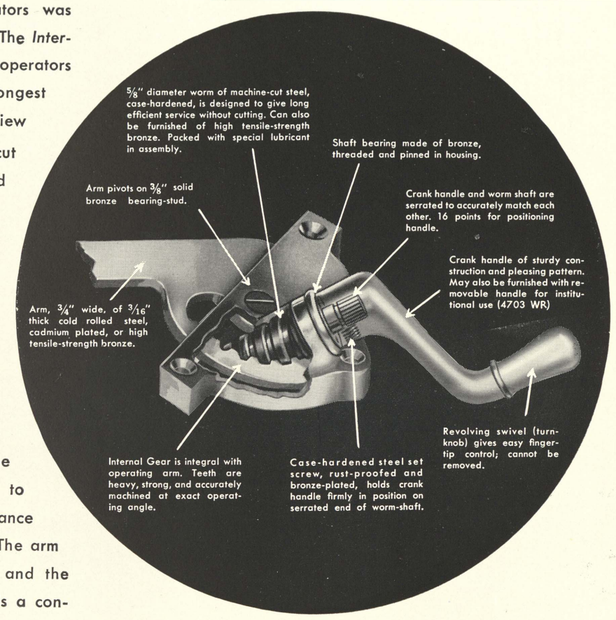
- Casements provide greater ventilation than any other type of window. When wide open, the entire window area, not just half, is utilized. Casements also act as air scoops, gathering breeze from three directions instead of one.
- Casements used on both sides of a picture window provide suitable ventilation while enhancing the charm of the picture window.
- Casments harmonize with both interior decoration and architectural treatment of nearly every period.
- Casements are easier, safer to clean. Both sides are cleaned from inside; single casements, too, when equipped with extension hinges.
- In sections of the country where storm sash are desirable, it is simple to replace the screen with storm sash.
- Screens and storm sash are easier to install on casements. They are installed and cleaned from **inside** the room; no ladders to climb.
- Casements equipped with Getty operators are easier to open and close than any other type of window.

GETTY

INTERNAL GEAR AND FINISHES

THE INTERNAL GEAR

Internal gearing for casement operators was originated by the H. S. Getty Company. The *Internal Gear* principle—used in our finest operators for both wood and metal sash—is the strongest known in gearing. Notice the cut-away view at the right. The teeth are wide and cut deeply into the 3/16" thick cold-rolled steel arm. Thus they are heavy and long-wearing. The worm is machine-cut cold-rolled steel, case-hardened. The entire length of the worm is engaged with the internally-cut gear teeth at all times. The *Internal Gear* provides greater power and longer life than any other method of gearing because more teeth are engaged with the worm. These moving parts, which form the heart of the operator, are made with utmost care to assure many years of trouble-free performance even under severe operating conditions. The arm may be furnished of "Everdur" bronze and the worm of naval bronze where corrosion is a consideration.



STANDARD FINISHES

	GETTY SYMBOL	U. S. GOV'T SYMBOL	DESCRIPTION
BRASS FINISHES	A	U.S. 3	Brass, natural color, polished
	AD	U.S. 4	Brass, natural color, dull
	Brass Plated		On Zinc Die Casting, polished or dull finish
BRONZE FINISHES	B	U.S. 10	Bronze, natural color, polished
	BD	U.S. 9	Bronze, natural color, dull
NICKEL FINISHES— on Brass, Bronze, or Zinc Die Casting*	N	U.S. 14	Nickel plated, polished
	ND	U.S. 15	Nickel Plated, dull
CHROMIUM FINISHES on Brass, Bronze, or Zinc Die Casting*	L	U.S. 26	Chromium plated, polished
	LD	U.S. 26D	Chromium plated, dull
LACQUERED FINISHES —on Brass, Bronze or Zinc Die Casting*	EBL		Bronze lacquer
	ECL		Brass lacquer
	EAL		Aluminum lacquer

* Zamak Alloy, distinguished by its ability to take a fine finish and its high tensile strength (41,000 p.s.i.)

GENERAL ORDERING INFORMATION

PACKAGING:
Operators and certain other items are standard packaged. See individual items or current Price List.

HANDING:
The handing of casement window hardware is determined from the inside of the room. If the hinges are at the right, right hand hardware is required; if hinged on the left, left hand hardware is required. When ordering, be sure to specify the quantity of each hand of each item.

PRICES:
For price information, consult our current Price List covering Catalog E.
Prices are for full factory packages where Standard Packaging is indicated.

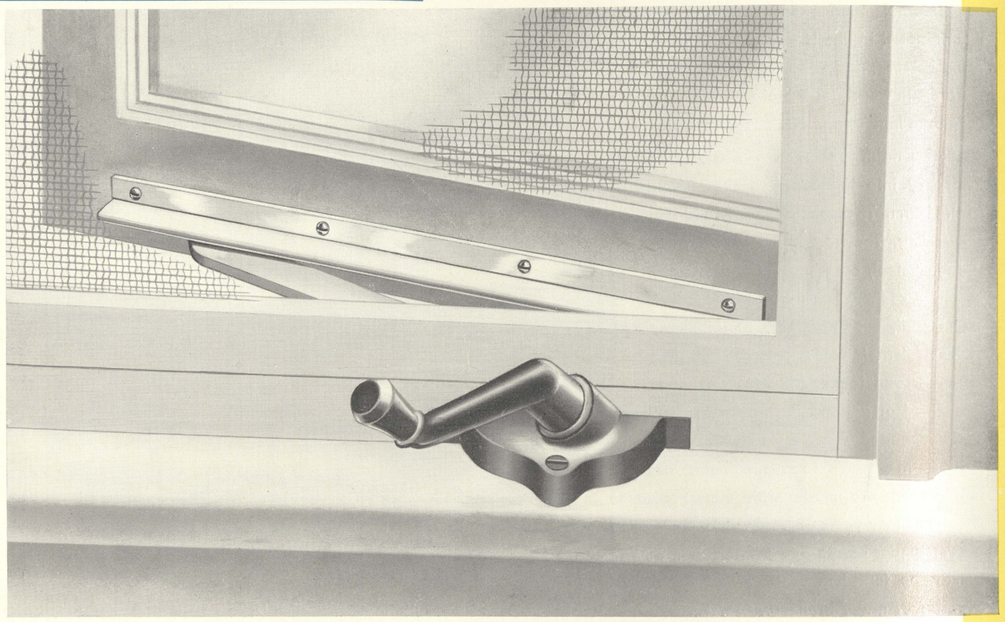
TERMS:
1% ten days, net 30 days; f.o.b., Philadelphia, Pa.

Line Reference Target LRT-BE4-V2

No. 4703 W
OPERATOR

GETTY

For screened or non-screened casements



Right hand INTERNAL GEAR operator applied to a screened casement. To open or close the sash without touching the screen, just turn the crank handle.

The Getty No. 4703 W precision-built operator incorporates the powerful, long-lasting *Internal Gear* construction. This was originated by, and is exclusive with, the H. S. Getty Company.

This operator has a low, graceful contour and is neat and attractive in appearance. It is adaptable for use on deep stools as well as on narrow stools. It is easy to install, and requires only 3 ½″ from the face of the sash to the outside edge of the housing. It is never necessary to touch the screen to open or close the casement. It can be used with flat or roll screens and venetian blinds . . . with butt or extension hinges.

For heavy or large size casements, or where fine hardware is preferred, the 4703 W is especially recommended.

This operator is carried in stock in Zamak alloy (zinc die cast) in bronze, brass or aluminum lacquer. Also available with solid bronze or brass housing and crank handle in finishes described on page 5.

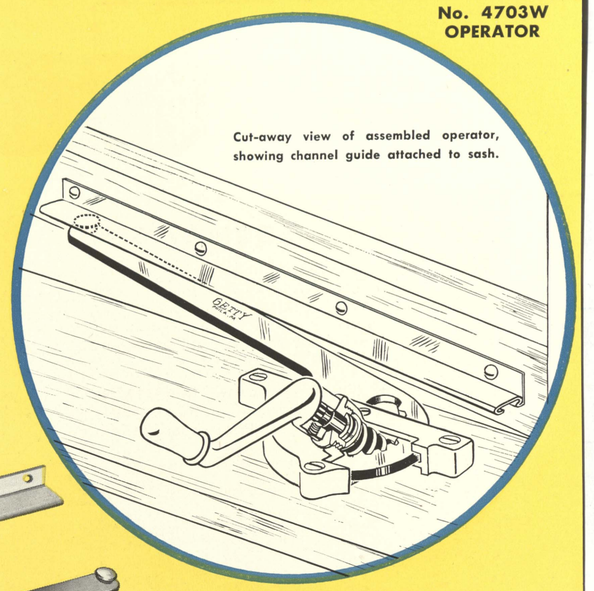
Installation details on page 9.

We recommend the use of No. 4608 W Locking Fastener with this operator. For details, see page 14.

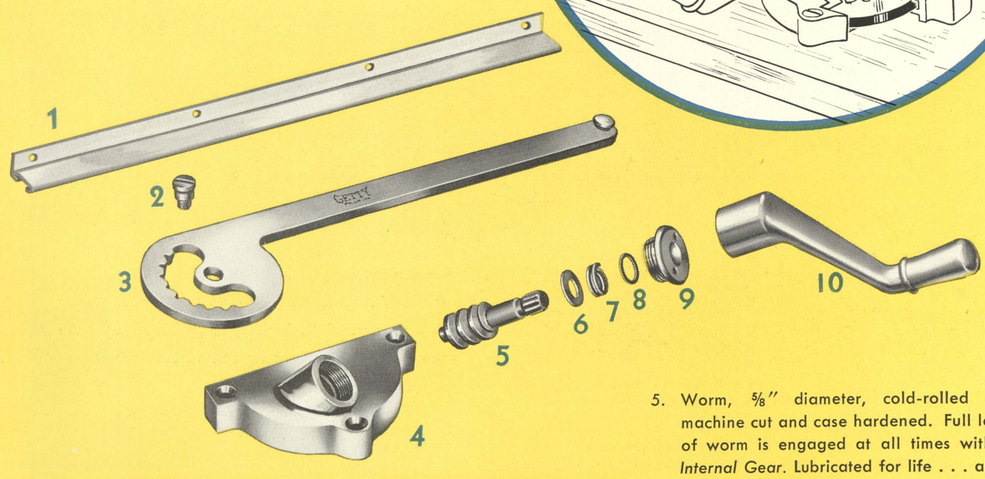
No. 4703W
OPERATOR

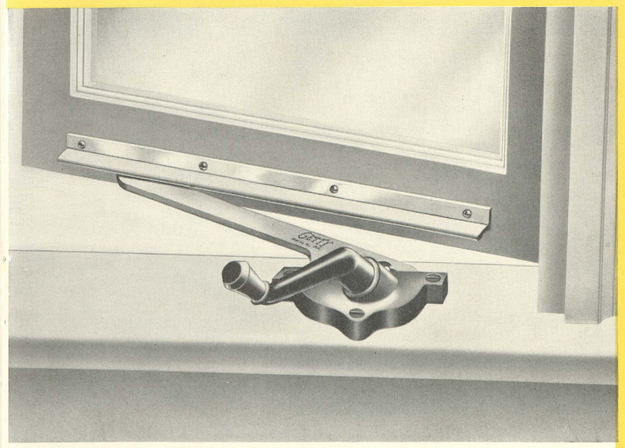
CONSTRUCTION FEATURES

1. Heavy brass channel guide, 15″ long, has 4-point anchorage on window . . . cannot bend or bind.
2. Bronze bearing stud, 3/8″ in diameter.
3. Operating arm of 3/16″ cold-rolled steel, cadmium plated. Teeth are heavy, strong and accurately machined at exact operating angle.
4. Housing of Zamak Alloy (tensile strength 41,000 p.s.i.)



Cut-away view of assembled operator, showing channel guide attached to sash.





No. 4703W operator installed on a non-screened casement window.

5. Worm, ⅝″ diameter, cold-rolled steel, machine cut and case hardened. Full length of worm is engaged at all times with the *Internal Gear*. Lubricated for life . . . always operates smoothly.
6. Lower steel bearing washer.
7. Steel tension spring, made of square spring wire.
8. Upper steel bearing washer.
9. ¾″ bronze shaft bearing, threaded ½″ deep and pinned in housing.
10. Attractive handle, of Zamak Alloy, attached with steel set screw.

Both housing and handle can be furnished in either solid bronze or brass.

Operator arm can be furnished in "Everdur" bronze and worm may be had in naval bronze at additional cost.

This operator is also made with a removable handle for institutional use. (See illustration on page 8.)

Line Reference Target LRT-BE4-V2

No. 4703 W OPERATOR

GETTY

ORDERING INFORMATION

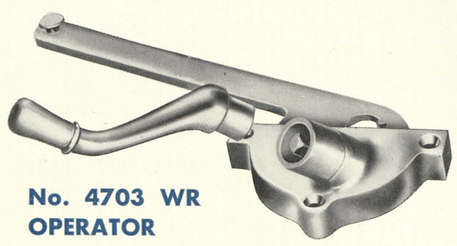
Standard operators are furnished with 11″ arms for use with butt hinges and may be used on sash from 16″ to 30″ in width. With extension hinges, they may be used on sash from 19″ to 30″ wide. **We do not recommend the use of our operators on casements over 2'6″wide or over 6' high.**

We can furnish these operators with shorter arms for use with sash as narrow as 11″ with butt hinges and 17″ with extension hinges. Please specify width of sash and type of hinge when ordering.

Operators packed one to a box, with screws for attaching. Boxes packaged 24 to the carton (12 right hand and 12 left hand).

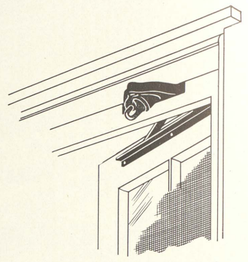
Shipping weight: approximately 2 lbs. each. In ordering, specify model number, finish desired and hand of operator. Available in metals and finishes as described on page 5.





No. 4703 WR OPERATOR

No. 4703 WR Operator is identical with No. 4703 W except that the crank handle is removable. This makes it especially suitable for institutional use, since only authorized persons are then able to operate the casements.



No. 4703 W Operator with pole hook, in inverted position, for use with high, hard-to-reach windows.

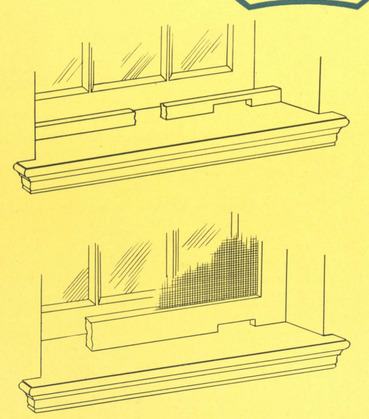
For certain conditions, this operator also comes equipped with a pole hook for remote operation by winding brace pole. Installations of this type are highly practical for such out-of-reach windows as are often found in auditoriums, churches, libraries, etc. No. 4703 W operator, when inverted and mounted on the head member of the window frame, provides efficient operation and allows the full use of screens.

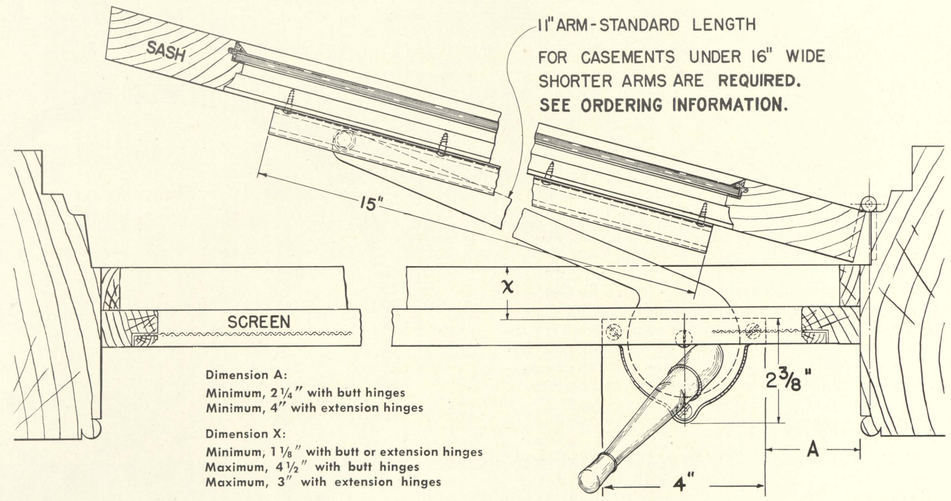
No. 4703W OPERATOR

METHODS OF INSTALLING NO. 4703W OPERATOR ON SCREENED CASEMENTS

We recommend the use of a screen seat for a particularly neat, practical installation. In this method, a ¾″ thick wood strip, notched out to fit snugly over the operator housing, is permanently fastened to the stool from jamb to jamb. The bottom rail of the screen or storm sash rests on this strip and should be flush with the room side of the screen seat. When finished to match the trim, this makes the neatest installation when used with screens or storm sash. This method is required wherever flat metal or roll screens are used.

The other installation consists of notching out the bottom rail of the wood screen to fit snugly over the housing of the operator. The notch for the housing in both installations should be 4″ wide x ⅝″ high, as shown in the diagram.

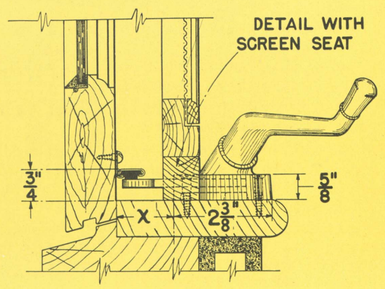




Dimension A:
Minimum, 2¼″ with butt hinges
Minimum, 4″ with extension hinges

Dimension X:
Minimum, 1⅛″ with butt or extension hinges
Maximum, 4½″ with butt hinges
Maximum, 3″ with extension hinges

Plan view shows application of right hand No. 4703 W undersreen casement operator to a screened wood casement window equipped with butt hinges. When the installation is properly made, the inner or room-side surface of the wood screen seat or screen rail (depending on the method of installation) should be exactly flush with the two ears of the operator housing, as shown in the above illustration.



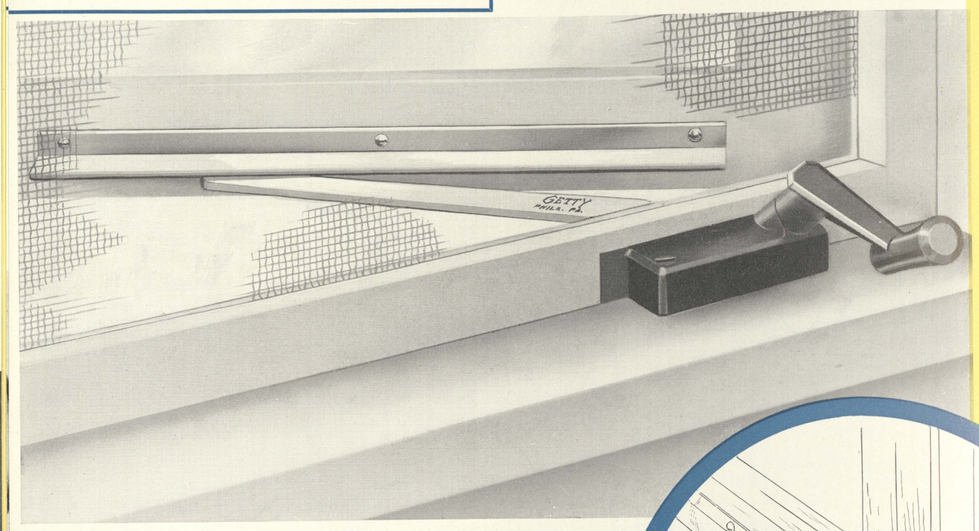
Detail shows side view of No. 4703 W applied to a wood casement, using a seat for the screen. May also be installed with the screen rail notched out to fit over operator housing. Position of operator can vary according to thickness of screen.

Line Reference Target LRT-BE4-V2

NO. 4715 OPERATOR

GETTY

For screened or non-screened casements

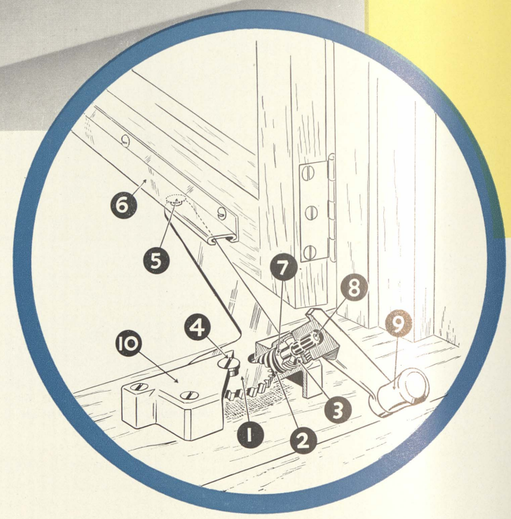


No. 4715 right hand operator applied to a screened casement. It is not necessary to touch the screen to open or close the casement. Note how screen rail is notched out to fit over operator housing.

This low-cost, angle-drive operator, originated by Getty, is neat in appearance and easy to install—takes up a minimum of stool space. Crank handle is compact and is permanently attached. This operator can be used with flat metal or roll screens and venetian blinds or with butt or extension hinges. It may also be used on non-screened casements.

CONSTRUCTION FEATURES

1. Operating arm is 3/4″ wide x 5/32″ thick cold-rolled steel, cadmium plated, with external gear teeth accurately machine cut (hobbed) at exact operating angle.
2. Worm, ½″ in diameter, of cold-rolled steel, machine cut and case hardened. Lubricated for life.
3. Solid brass bushing acts as a bearing for worm shaft. Bushing is deep-cut, machine-threaded, screwed into and locked in housing so worm cannot back-out under pressure.
4. Arm pivots on ⅜″ solid metal bearing stud.
5. Solid brass button is locked in channel—cannot come out accidentally; prevents rattling. Button is protected from weather.
6. Heavy brass channel guide has 3-point anchorage on window—cannot bend or bind. A 12″ channel is furnished as standard for use with butt hinges. **A 15″ channel (at no additional cost) is required for casements equipped with extension hinges.**
7. Spring washer on worm shaft keeps worm under tension at all times—eliminates play or backlash in operator.
8. Worm shaft and crank handle are serrated which prevents slipping or play in handle.
9. Revolving swivel (turn-knob) cannot be removed; gives easy finger-tip control.
10. Housing (also crank handle) are of Zamac Alloy (tensile strength 41,000 p.s.i.), finished in bronze lacquer (EBL) as standard—see page 5 for other plated and lacquered finishes.



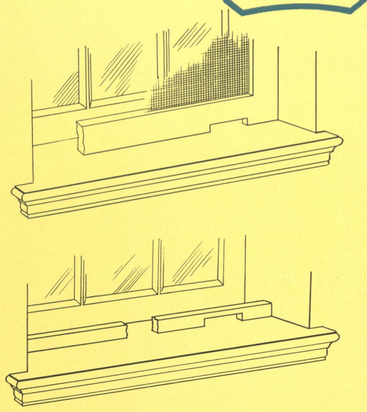
We recommend the use of No. 4649 Automatic Closer (see page 17) or No. 4608W Locking Fastener (see page 14) with this operator.

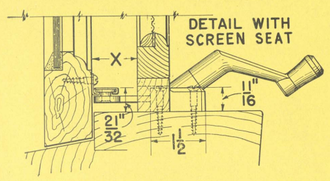
No. 4715 OPERATOR

INSTALLATION METHODS

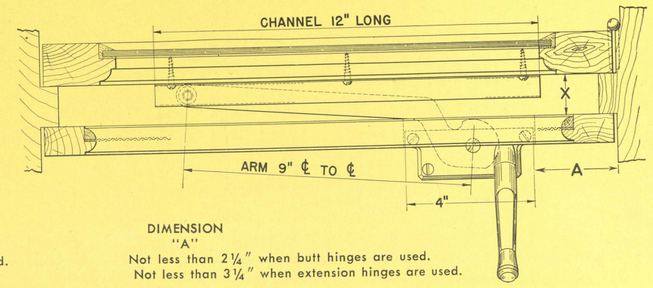
One method of installation consists of notching out the bottom rail of the wood screen to fit snugly over the housing of the operator. The notch for the housing in both installations should be 4″ wide x 11/16″ high, as shown in the diagram.

We recommend the use of a screen seat (as shown at right). In this method, a ¾″ thick wood strip, notched out to fit snugly over the operator housing, is permanently fastened to the stool from jamb to jamb. The bottom rail of the screen or storm sash rests on this strip and should be flush with the room side of the screen seat. Finished to match the trim, this makes the neatest installation when used with screens or storm sash. This method is required wherever flat metal or roll screens are used.



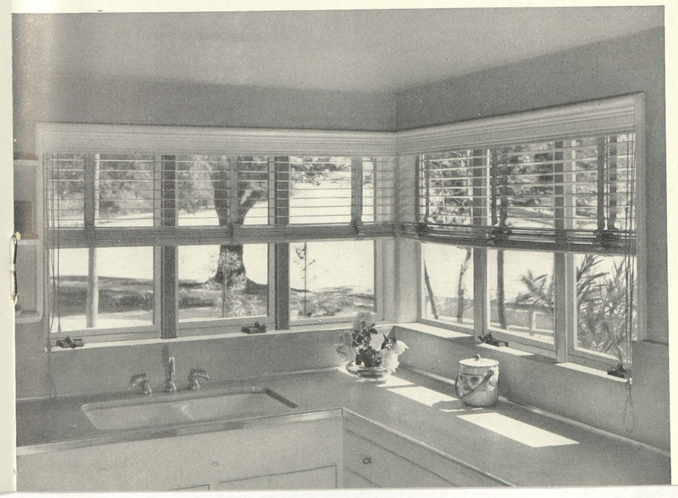


DIMENSION "X"
1″ is minimum.
1″ when No. 4649 Automatic Closer is used.
1½″ is maximum when extension hinges are used.
4″ is maximum when butt hinges are used.



DIMENSION "A"
Not less than 2¼″ when butt hinges are used.
Not less than 3¼″ when extension hinges are used.

Angle-drive of this operator means ease of turning, especially when used over a sink . No reaching or straining to open the window . . . just turn the crank handle.



ORDERING INFORMATION

Standard operators are furnished with 9″ arms for use with butt hinges to fit sash from 14″ to 20″ in width. With extension hinges, they will fit sash from 16″ to 20″ in width. **If extension hinges are to be used order 15″ channel.**

We do not recommend the use of these operators on sash over 20″ wide or over 38″ high.

We can furnish these operators, with shorter arms for use with sash as narrow as 11″ with butt hinges and 14″ with extension hinges. Always specify width of sash and type of hinge when ordering.

Operators packed one to a box, with screws for attaching. Boxes packaged 48 to standard master carton containing 2 sub-cartons with 24 operators each (12 right hand and 12 left hand). Sub-cartons are reshippable.

Shipping Weight: approx. 1½ lbs. per operator.

Standard Finish: Bronze Lacquer (EBL). Also furnished in Brass Lacquer, as well as standard plated and special finishes. See page 5.

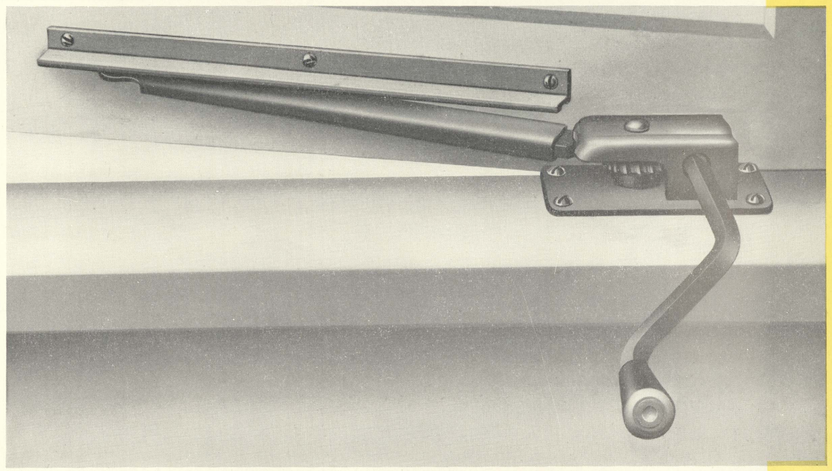
Specify catalog number, finish desired and hand of operator.

Line Reference Target LRT-BE4-V2

NO. 4700 OPERATOR HEAVY-DUTY REVERSIBLE

GETTY

For screened or non-screened casements

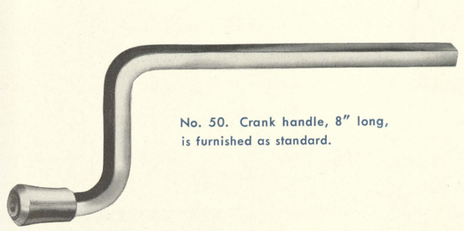


This No. 4700 rounds out the Getty complete line of casement window operators. It embodies the horizontal worm-and-gear principle, providing a sturdily-constructed operator which will give efficient service. Use of the horizontal worm-and-gear enables this operator to be used interchangeably on either right or left hand casement windows with **no change whatever!** It can also be used for screened or non-screened windows.

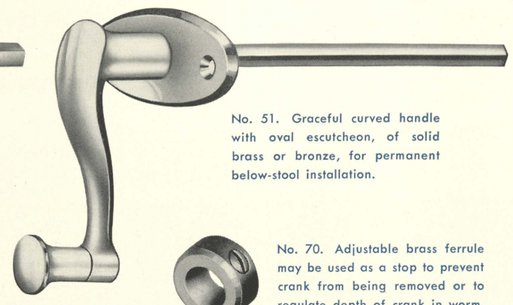
The neatly-finished handle fits snugly through an escutcheon on the screen frame—casements may be opened or closed easily without ever touching the screen. The installation is very simple. As with other Getty operators, the No. 4700 is mounted to function through the screen. Heavy-duty worm-and-gear construction makes for long life of service.

- Worm, ¾″ in diameter, is of cold-rolled steel, machine cut and case hardened. It is held securely by bronze bushing which is locked in the housing.
- Worm is broached so that the handle passes through the entire length of the worm, giving greater rigidity, support and alignment to the entire operator, and minimizing wear on the crank handle. A 1½″ bearing length is achieved by broaching the worm.
- Arm gear is ¼″ thick wrought brass.
- ⅜″ pivot stud is solid bronze. Cannot rust.
- Button is attached directly to the arm extension and is securely locked in the channel. Will not slip out or rattle.
- Heavy brass channel guide has 3-point anchorage. Will not bend or bind.
- Housing and arm-extension are 3/32″ cold rolled steel, rust-proofed and bronze lacquered (EBL).
- Removable steel crank handle, 8″ long and ¼″ square, is brass plated and has revolving turn-knob. Longer handles can be furnished where necessary. Prices are shown in current price list.

No. 4700 OPERATOR

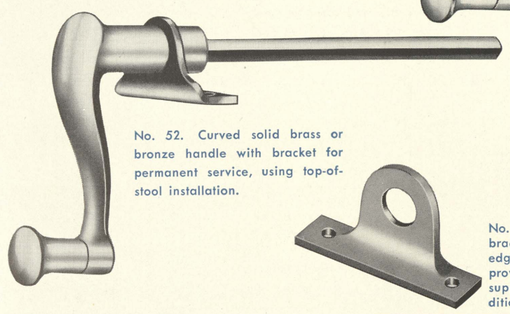


No. 50. Crank handle, 8″ long, is furnished as standard.

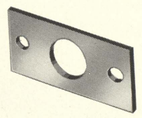


No. 51. Graceful curved handle with oval escutcheon, of solid brass or bronze, for permanent below-stool installation.

No. 70. Adjustable brass ferrule may be used as a stop to prevent crank from being removed or to regulate depth of crank in worm.

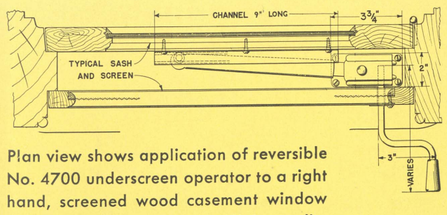


No. 52. Curved solid brass or bronze handle with bracket for permanent service, using top-of-stool installation.

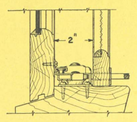


No. 71. Brass screen-escutcheon plate prevents unsightly wear at edges of hole where crank passes through the screen.

No. 72. Solid brass crank handle bracket, to be attached near room edge of particularly wide stools; provides a more rigid installation, supports crank. (Furnished at additional cost.)



Plan view shows application of reversible No. 4700 underscreen operator to a right hand, screened wood casement window equipped with butt hinges. Minimum distance from sash to screen is 2″.

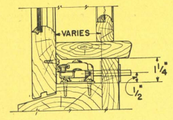


Sectional view of No. 4700 underscreen operator on a screened wood casement shows how the handle passes through the screen rail.

EASY TO INSTALL

Notice how the heavy brass channel is anchored on the sash at three points, preventing bending or binding. Detail also shows how the removable handle passes through the screen frame to provide easy, trouble-free operation of the sash without ever touching the screen.

UNDER-STOOL INSTALLATION



The No. 4700 Operator is very adaptable since it is possible to employ an under-stool installation, as shown here. When this type of installation is desirable, the advantages of a sturdy, heavy-duty operator, such as the No. 4700, are obvious.

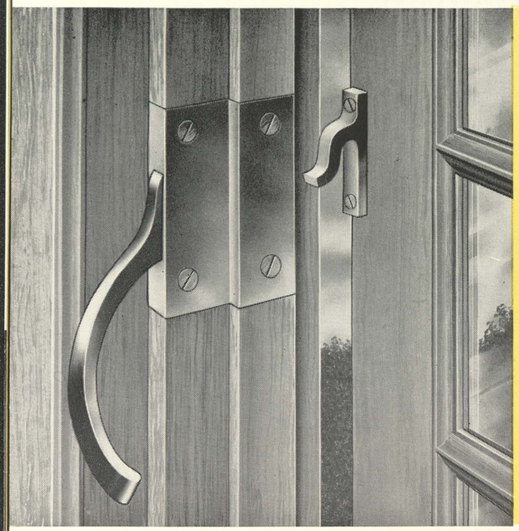
The No. 4700 Operator is easily adapted for use with Jalousie (wood louvered) windows.

ORDERING INFORMATION

Crank handles of solid bronze are available on order. Longer crank handles can also be furnished at additional cost. No. 4700 operator packed with No. 50 handle, No. 71 escutcheon and No. 70 stop; with screws for attaching. Operator is packed with No. 50 crank handle unless otherwise specified. Shipping weight approximately 2 pounds each. Operators packed one to a box; boxes packaged 48 to standard master carton, containing 2 sub-cartons with 24 operators each. Sub-cartons are reshippable.

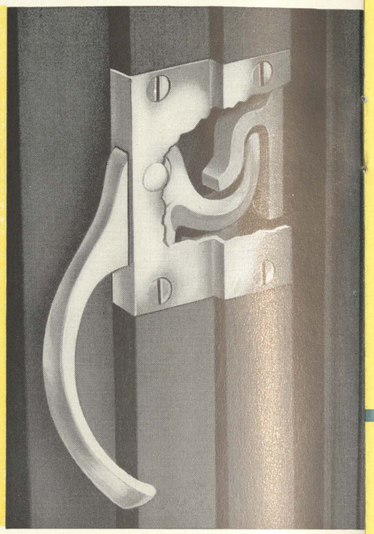
NO. 4608 W THROUGH-THE-SCREEN LOCKING FASTENER

GETTY



Right hand No. 4608 W Fastener applied to a screened casement window. Screen not shown in place (see plan view).

Cut-away view shows sturdy construction, positive action and ease of installation of No. 4608 W Fastener. Note that screen stop details must conform to fastener housing.



No. 4608 W Locking Fastener is designed especially for use with screened wood casement windows, in combination with the No. 4703 W or No. 4715 operators—locks and unlocks the window **without disturbing the screen.** The graceful curved handle and minimum projection make it ideal for use with venetian blinds where there is often very little clearance between sash and blinds. This locking fastener provides the same convenient through-the-screen locking which is exceptionally popular on metal sash. This fastener engages the keeper with a positive action, pulling the sash in snugly to the frame. Made of solid bronze or brass, in polished or dull finish. Also available in standard lacquered and plated finishes. Height of housing is 3″. Packed 12 to the carton (6 right hand and 6 left hand). These fasteners cannot be used with a double casement window unless there is a center mullion to which fasteners may be attached.

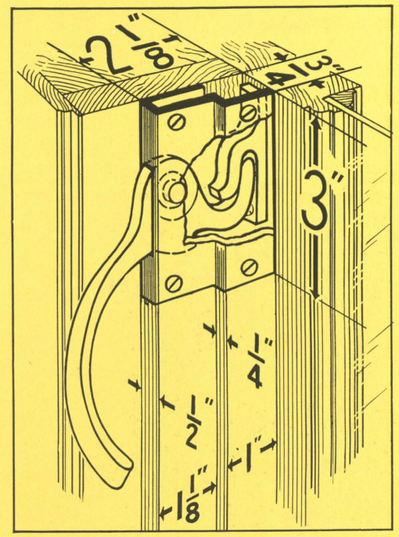
Getty fasteners are built to give a lifetime of service and will conform to the decorative treatment of any interior. These fasteners provide ample leverage to pull the sash in with minimum effort. Full protection from wind, snow, and rain is assured.

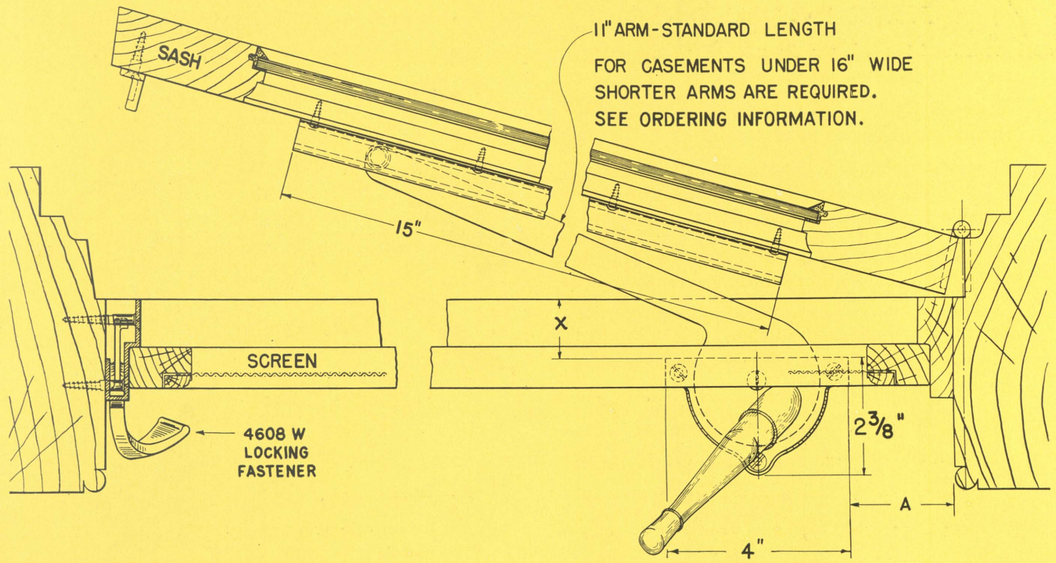
INSTALLATION

Note: Screen stop details must conform to dimensions shown at right.

Screen stop must be cut away 3″ to accommodate housing of locking fastener.

Dimensions shown on this page are applicable to installations of No. 4608 W fastener with either No. 4703 W operator or No. 4715 operator.





Measurements for Installing No. 4608 W Fastener with:

No. 4703 W Operator

X: Minimum 1 1/8″
Maximum 1 1/2″

A. Minimum 2 1/4″ with butt hinges
Minimum 4″ with extension hinges

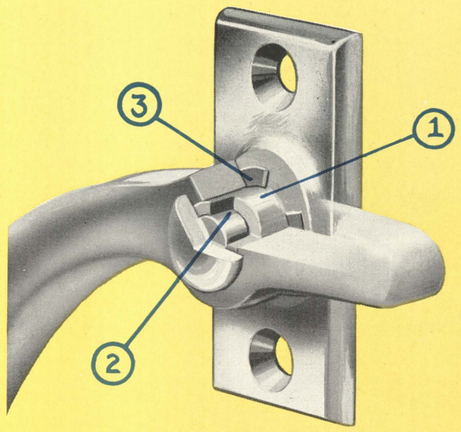
No. 4715 Operator

X: Minimum 1″
Maximum 1 5/8″

A: Minimum 2 1/4″ with butt hinges
Minimum 3 1/4″ with extension hinges

OTHER STYLES OF GETTY CASEMENT FASTENERS

All the Getty fasteners shown here are made of solid cast bronze or brass, in either polished or dull finish. Also available in standard plated finishes to match the interior decoration. They are sturdily built, of substantial, heavy design and will give a lifetime of dependable service.

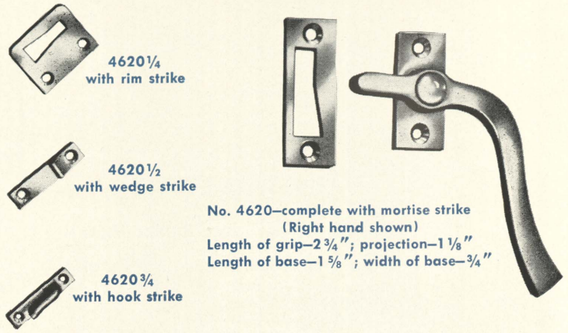


Interior Construction of Fasteners*

1. Pivot post and base of fastener cast in one piece. Handle pivots on post, NOT on rivet.
2. Bronze rivet holds handle firmly to base; eliminates wear and wobble often occurring when only the rivet is used as a pivot point.
3. Spring washer keeps handle under correct tension at all times . . . holds it firmly in any position.

This exclusive Getty **bearing-type construction** assures positive operation and long life.

* Applies to all fasteners except No. 4557.

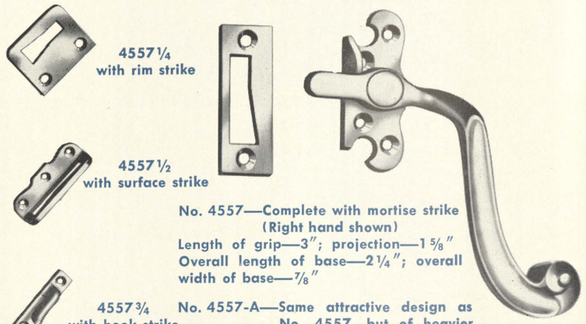


4620¼ with rim strike

4620½ with wedge strike

4620¾ with hook strike

No. 4620—complete with mortise strike (Right hand shown)
Length of grip—2¾″; projection—1⅛″
Length of base—1⅝″; width of base—¾″



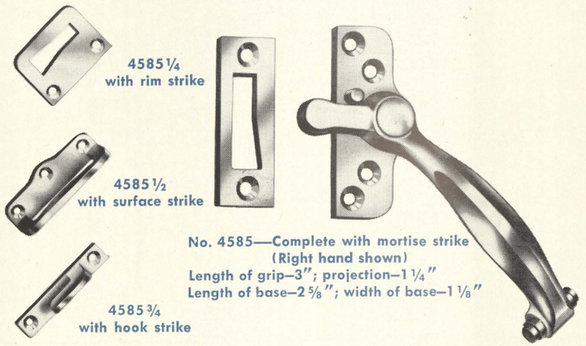
4557¼ with rim strike

4557½ with surface strike

4557¾ with hook strike

No. 4557—Complete with mortise strike (Right hand shown)
Length of grip—3″; projection—1⅝″
Overall length of base—2¼″; overall width of base—⅞″

No. 4557-A—Same attractive design as No. 4557, but of heavier construction for larger sash.

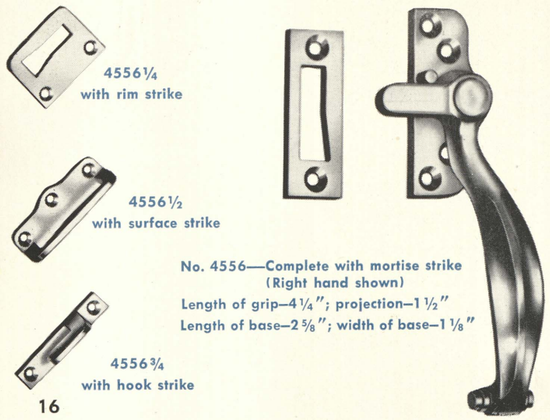


4585¼ with rim strike

4585½ with surface strike

4585¾ with hook strike

No. 4585—Complete with mortise strike (Right hand shown)
Length of grip—3″; projection—1¼″
Length of base—2⅝″; width of base—1⅛″

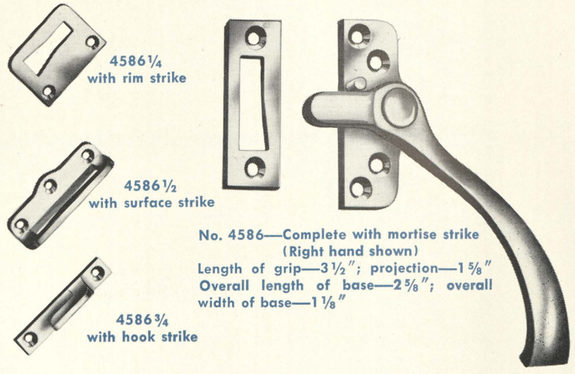


4556¼ with rim strike

4556½ with surface strike

4556¾ with hook strike

No. 4556—Complete with mortise strike (Right hand shown)
Length of grip—4¼″; projection—1½″
Length of base—2⅝″; width of base—1⅛″



4586¼ with rim strike

4586½ with surface strike

4586¾ with hook strike

No. 4586—Complete with mortise strike (Right hand shown)
Length of grip—3½″; projection—1⅝″
Overall length of base—2⅝″; overall width of base—1⅛″

NO. 4649 AUTOMATIC CLOSER

This Automatic Closer is designed primarily for use with outswinging casement windows in connection with No. 4715 and No. 4700 operators. While the operator holds the bottom of the sash, the Automatic Closer pulls the top of the sash in snugly against the frame, helps to prevent and overcome warping, and secures tight contact all around. The entire operation is achieved without disturbing the screen. The Automatic Closer, 3⅝″ x 1″ is made of heavy cold-rolled steel, cadmium plated; may be painted to match the trim. It is reversible and is easily installed with only a screw driver—no mortising necessary. No. 4649 Automatic Closer is individually packaged with screws for attaching. 12 Automatic Closers to the carton.

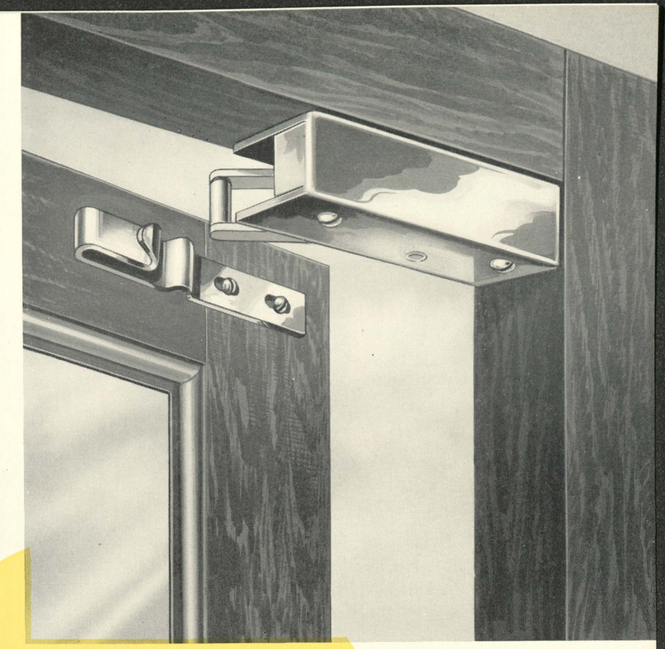
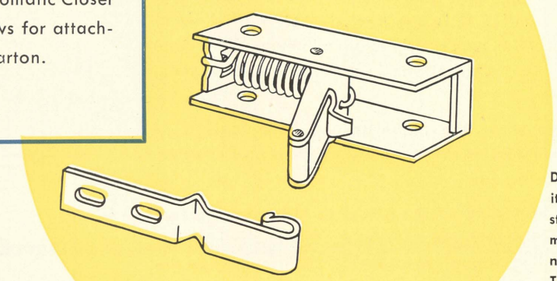
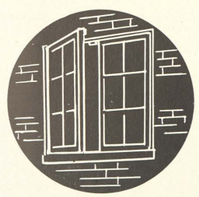


Illustration shows the Automatic Closer mounted in upper corner of a left hand casement window, opposite the hinge side.

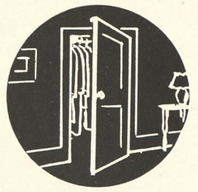


Drawing shows the simplicity and sturdiness of construction of No. 4649 Automatic Closer. There is nothing to get out of order. The strong spring pulls even large casements closed automatically and positively.

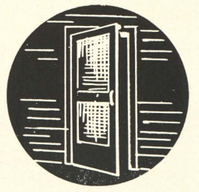
ADDITIONAL HANDY USES



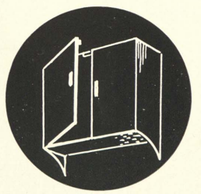
By using Automatic Closers in connection with Getty operators, casement windows are easily opened and tightly shut through the screen. Draperies, shades or venetian blinds are no problem. The Automatic Closer is mounted at the top of the window where it is out of sight behind curtains; out of mind because it is automatic and requires no maintenance.



Application of the Automatic Closer to closet doors saves much labor and the cost of mortise latches. The Automatic Closer requires only four screws—two for the case and two for the keeper. It can be used advantageously on doors up to 1⅛″ thick. Requires no mortising and is positive in operation.



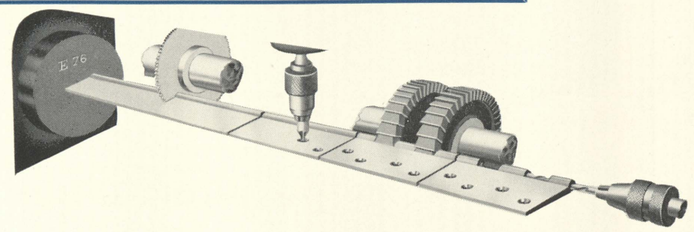
Where weather and dampness have warped a screen door, storm door or French doors, efficient use may be made of this practical device as an auxiliary closer. The Automatic Closer actually reaches out and pulls the door tight against the stop. It is completely automatic and works every time.



The Automatic Closer may be installed on cupboard and cabinet doors to good advantage. It will prove far more efficient than friction catches and will work on warped doors where friction catches are often unsatisfactory. May be installed at the top, bottom or in the middle, under the shelf.

Extruded Metal BUTT HINGES

GETTY



Getty Butt Hinges are made from extruded bronze, as shown above. First step is heating a bronze billet and forcing it through a hardened steel die of the desired shape under hydraulic pressure. Different dies are used to obtain different hinge sections.

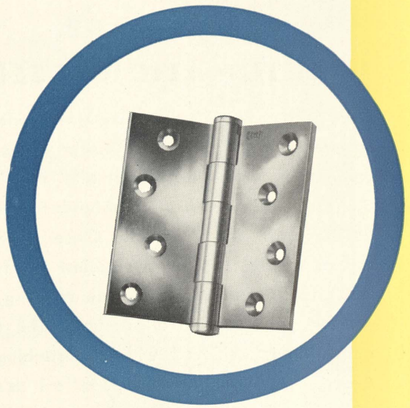
The metal emerges from the die in strips of exactly the same shape along the entire length. This shape is that of a hinge leaf with knuckle (or barrel). It is apparent, therefore, that every hinge length sawed from such a strip is alike in every dimension. Thus, Getty butt hinges are uniform in cross-section and exact in size.

Subsequent steps show the hinge section being sawed to length, then the screw holes are accurately drilled and countersunk.

Next is the careful milling of the barrel so the opposing leaf will fit with the right amount of tolerance. Finally the hole for the pin is center-drilled through the knuckle, then reamed so the pin will work freely.

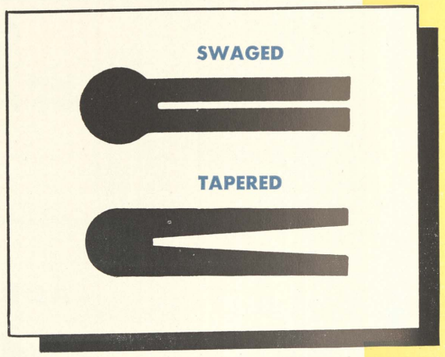
SWAGED HINGES

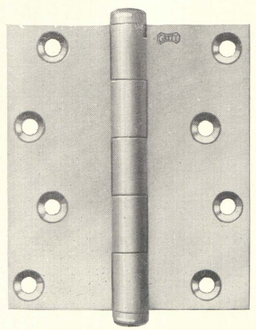
Certain Getty Butt Hinge sections are swaged for mortise application. Swaged hinges are extruded with a slight offset at the knuckle, allowing the leaves to come closer together. Illustration shows the 1/16″ clearance between the leaves when in a closed position with the leaves parallel.



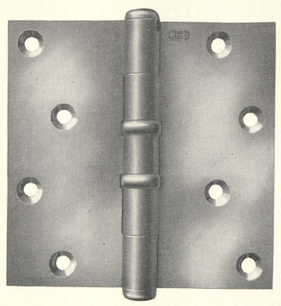
WRITE FOR COMPLETE FOLDER

"Getty Extruded Metal Butt Hinges for Builders' Hardware Trade"

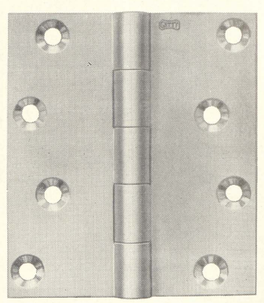




No. 2501 ½ Loose Pin, Flat Button Tip



No. BB 2501 ½ 2-Ball Bearing

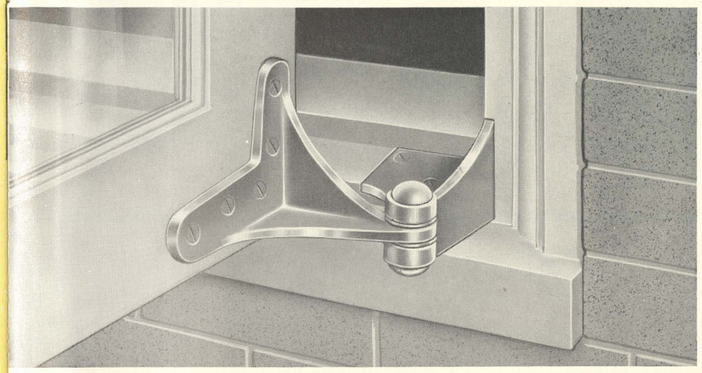


No. 2503 Tight Pin



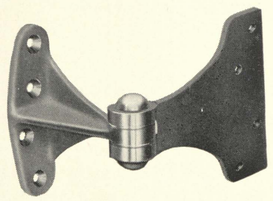
GETTY EXTENSION HINGES

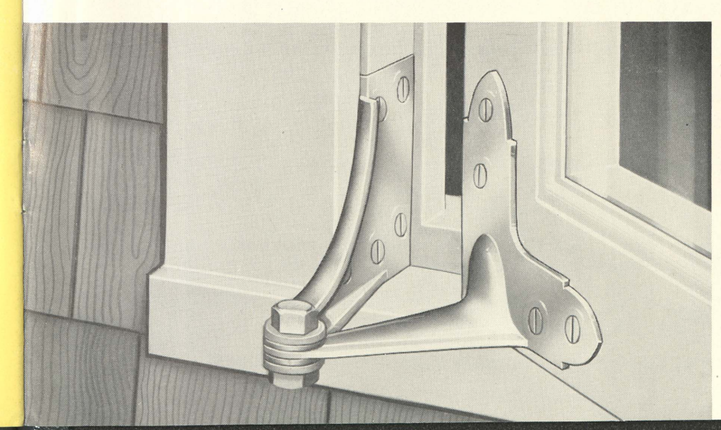
Extension cleaning hinges permit cleaning the outside of the sash—completely and safely—from inside the building. They are particularly useful for second and third story casements. Illustration shows how extension hinges on a left hand casement provide a four-inch space at the hinged side—ample clearance for cleaning the outside surfaces.



No. 2526 Extension hinge is solid cast bronze, of very heavy design, and is recommended for high-grade installations on sash 1 ¾″ thick or thicker. Flange-type leaf attaches rigidly to the corner of the sash, thus reinforcing it. May be used with straight or bevelled frames.

No. 2526½ Intermediate hinge, solid cast bronze of the same heavy construction as 2526 above, is designed to give additional support between the 2526 extension hinges. Prevents warping and provides a more rigid mounting. To obtain the best results, we suggest the use of three hinges on larger size casement windows.





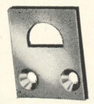
No. 2529 Extension Hinge, of cold rolled steel, cadmium plated, provides a four-inch cleaning space and the same corner reinforcing as in the 2526 model, above. It is equipped with solid bronze spacing washers between the knuckles and a bronze bushing for the hinge pin. Formed to give ample rigidity, it can be used on straight or bevelled frames. Recommended for use with light casements from 1 ⅛″ to 1 ¾″ thick. Packed 2 right hand and 2 left hand to the box. **While a bronze hex nut is provided for friction adjustment of the hinge, we do NOT recommend that the friction feature be used with casement operators.** Can also be furnished in wrought brass.

SURFACE BOLTS
TRANSOM CATCHES

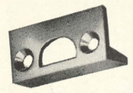
GETTY

No. 3032 SURFACE BOLT.

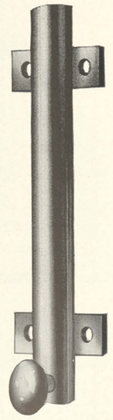
For use on inswinging casement windows, with either universal or angle strike. Bolt is ½" half round section, made of extruded solid brass in standard lengths of 4", 6", 10" and 12". Other lengths may be furnished to order. No. 3032 Surface Bolt may also be used on French doors. Specify type of strike and length of bolt when ordering. Packed 12 to the carton. See page 5 for finishes.



UNIVERSAL STRIKE



ANGLE STRIKE



NO. 3032 SURFACE BOLT

TRANSOM CATCHES FOR WOOD WINDOWS

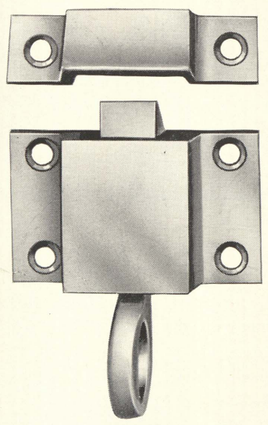
All are of cast bronze. See page 5 for finishes.

Illustrations show regular bevel (inswinging). They can be furnished also with reverse bevel (for outswinging windows).

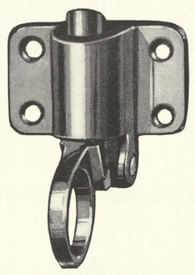
Transom Catches are of solid cast bronze, polished or dull finish, or bronze lacquer, and are equipped with a ring which permits pole-hook as well as manual operation.

SPECIFY FINISH AND TYPE OF STRIKE REQUIRED WHEN ORDERING.

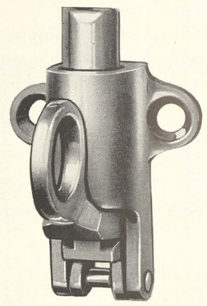
CUTS ARE ¾ SIZE



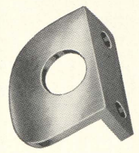
No. 4912
Transom Catch
With box keeper only, as shown.
Size: 1 ¼" x 2 ⅛"



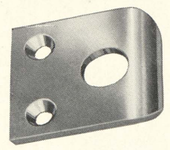
No. 4903-B
Transom Catch
Bolt—⅜" diameter, ⅜" throw.



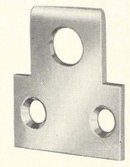
No. 4905
Transom Catch
Bolt—½" diameter, ⅝" throw.



ANGLE STRIKE



UNIVERSAL STRIKE



MORTISE STRIKE

GETTY

SAFETY LOCKING HOOK
DRAWER PULL

No. 3456
DIXIE SAFETY DOOR LOCKING HOOK
(patented)

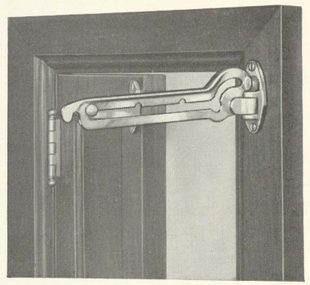


Illustration shows right hand hook installed on a door in open position. Door is locked in farthest open position.

This ingenious auxiliary door lock provides a means of "locking" a door open, in three positions. It also locks the door securely closed. In this way, adequate ventilation is secured with absolute safety from sudden intrusion. The Dixie Door Hook can be operated only from inside the door, even when locked in the farthest open position.

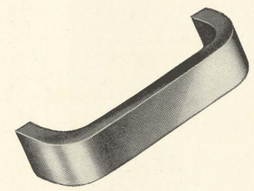
Originally made for marine service, it has been adapted for use in apartment houses, hotels, tourist courts and institutions. Installation is simple, requiring only five screws. Made of solid cast bronze, it is available in a variety of finishes to match interior trim. Dixie Door Hooks are handed, for right or left opening doors. When ordering, specify hand of door and whether door opens inward or outward. Specify whether door is flush or recessed. If recessed, the amount of recess must be given.

No. 5837
DRAWER PULL

No. 5837—This drawer pull, of solid extruded brass, is of plain design. It is attractive in appearance and low in cost, making possible its use for all grades of residential work. Packed 12 to the carton. See page 5 for finishes.

3-11/16" x 11/16" overall

3 ⅜" center to center of screw holes



OTHER GETTY PRODUCTS

In addition to the wood casement window hardware listed in this catalog, we also manufacture a complete line of hardware for metal doors and windows of all types, a complete line of marine joiner hardware and many hardware specialties in bronze, brass, white bronze, aluminum and other alloys.

Our engineering and research departments are always at your service to assist you with your problems.

Distinctive Casement Hardware

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