

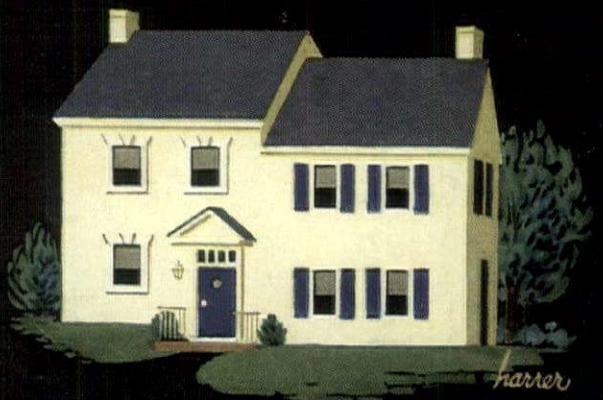
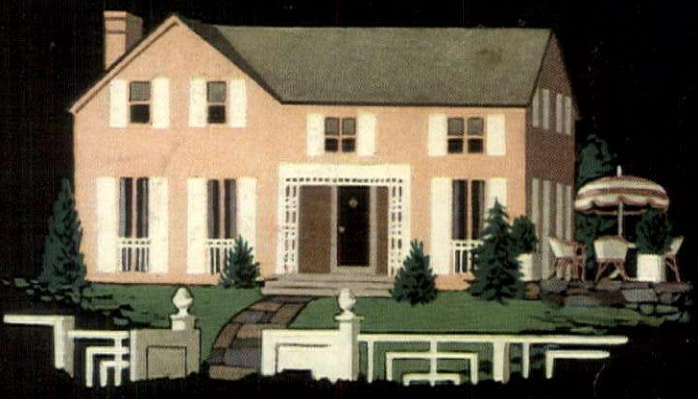
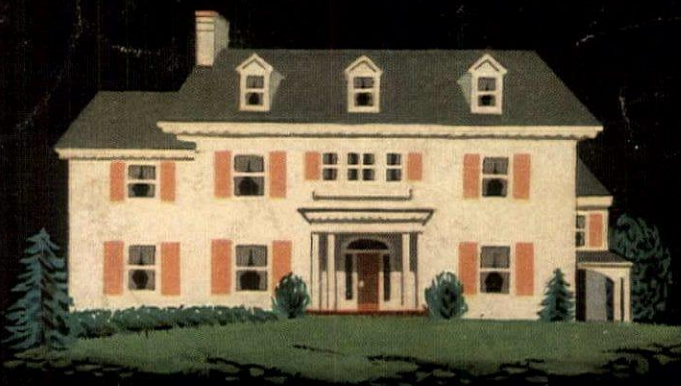
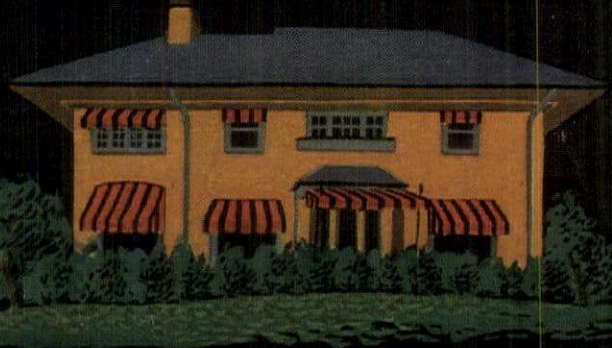
HOUSE & GARDEN

Modernization
Portfolio

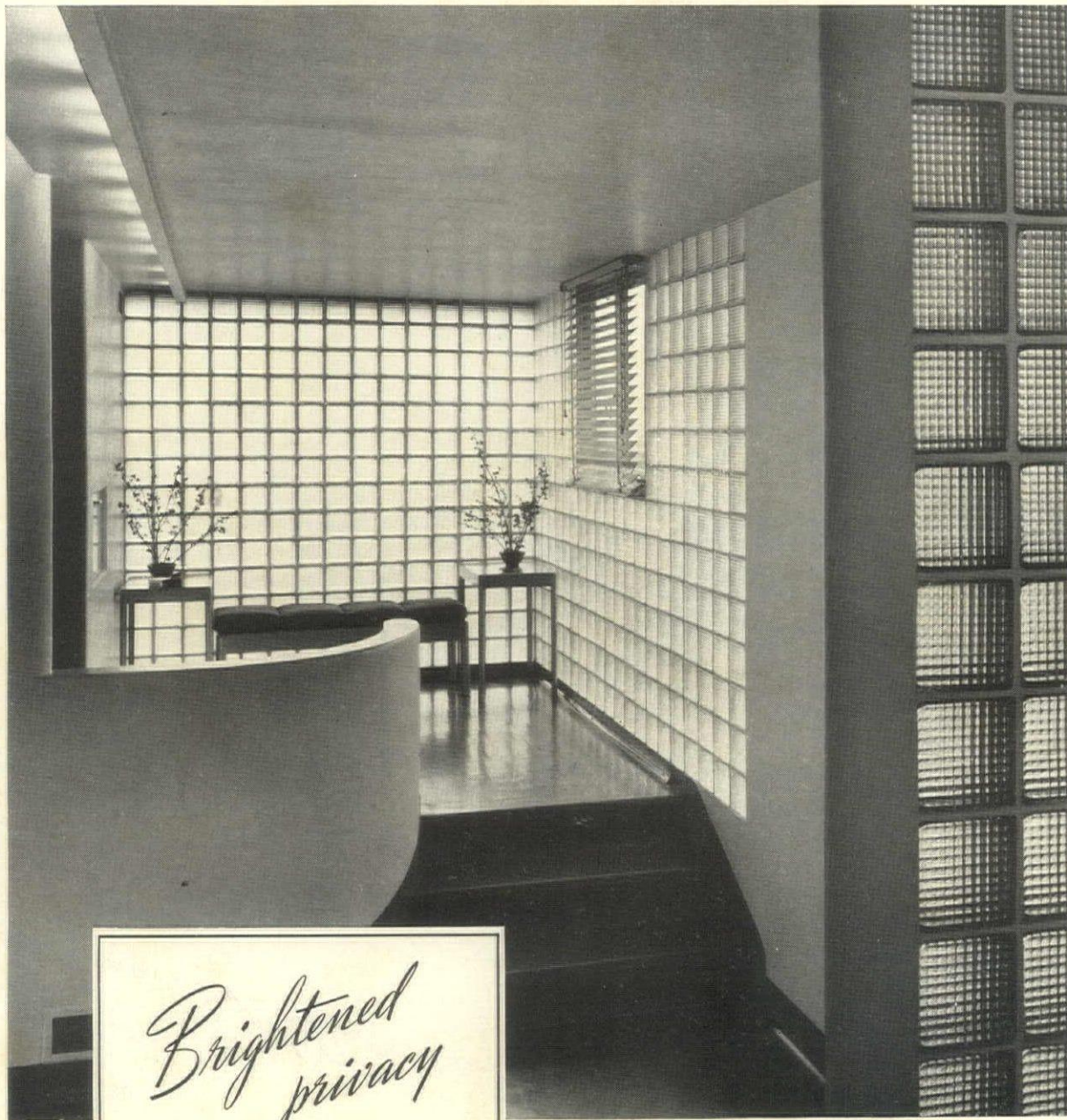
Section II

Before

After
AUG 25 1922



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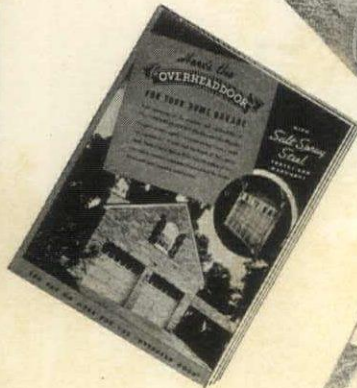
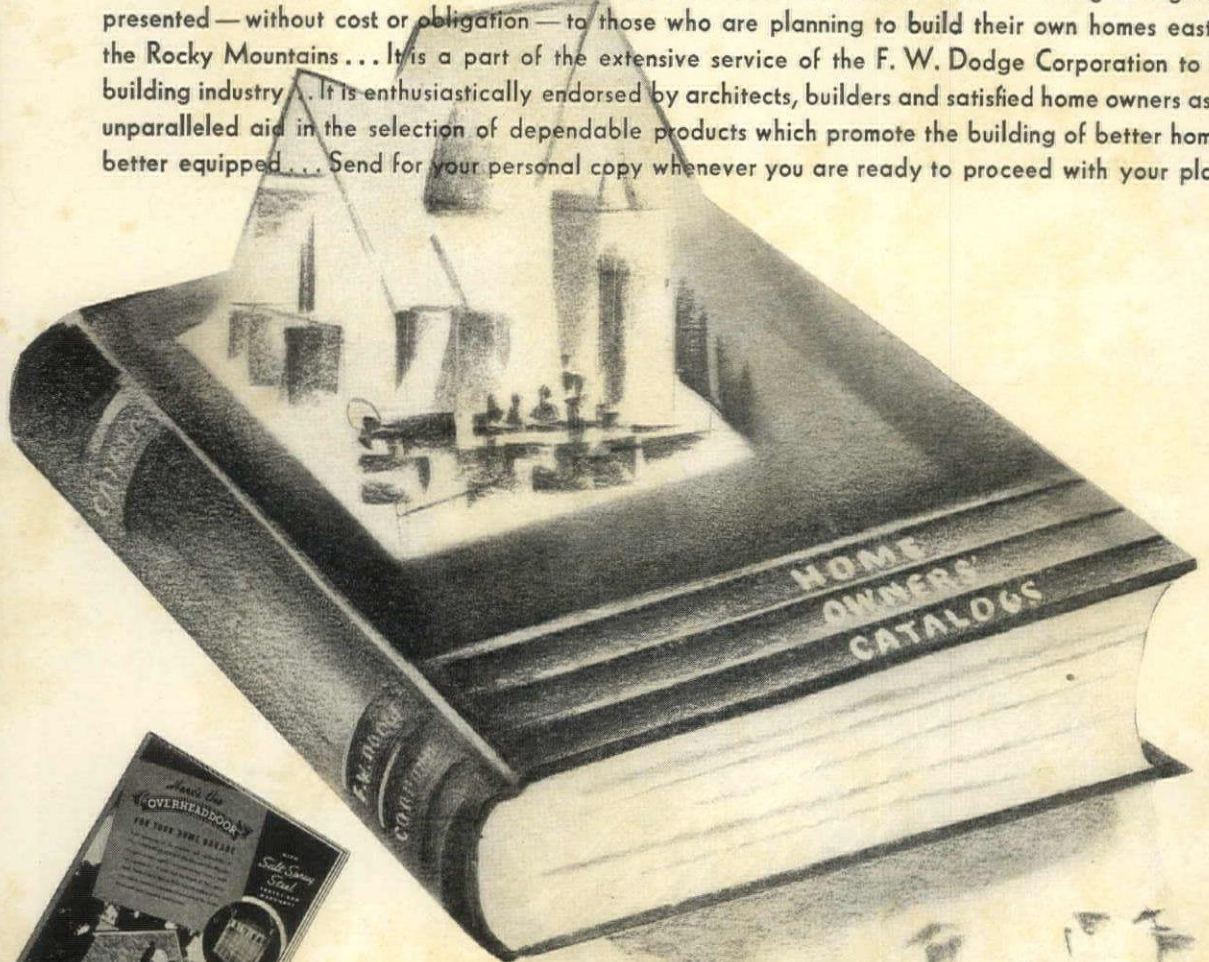
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Published by
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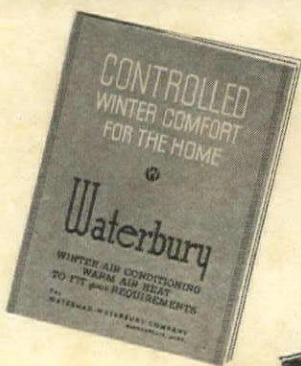
H. & G. 9-38

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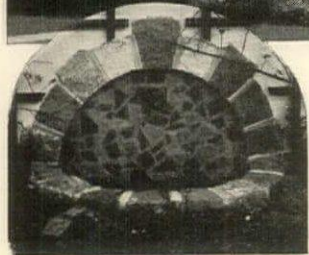


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Scarsdale

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Sponsored by House & Garden in Fox Meadow, Scarsdale

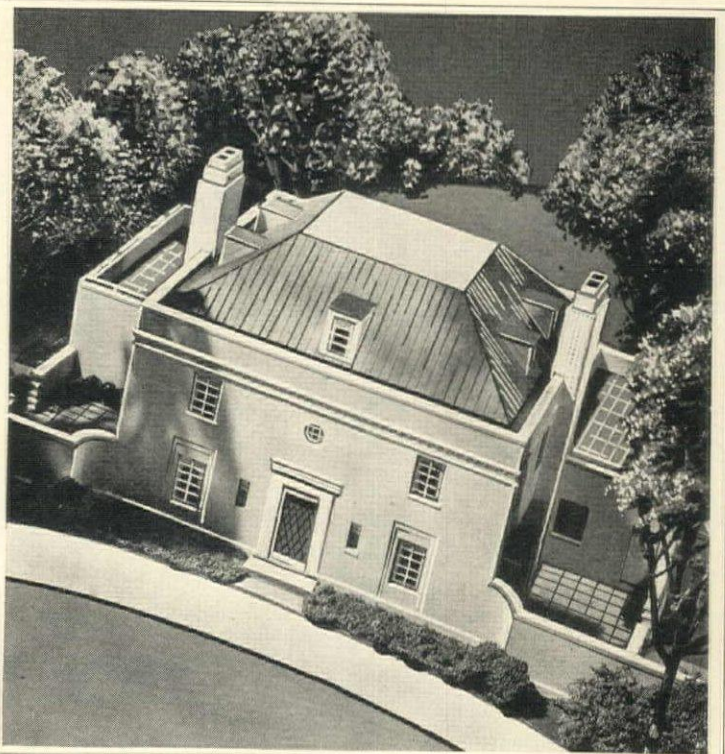
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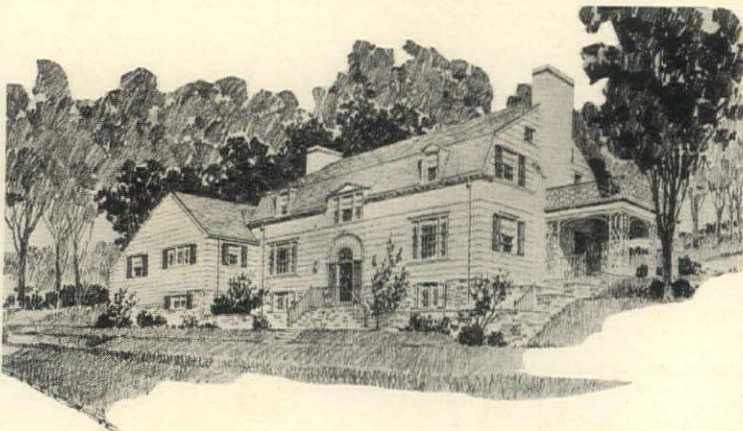
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Illustrated floor plans and a new booklet about Bronxville will be mailed upon request.

Lawrence

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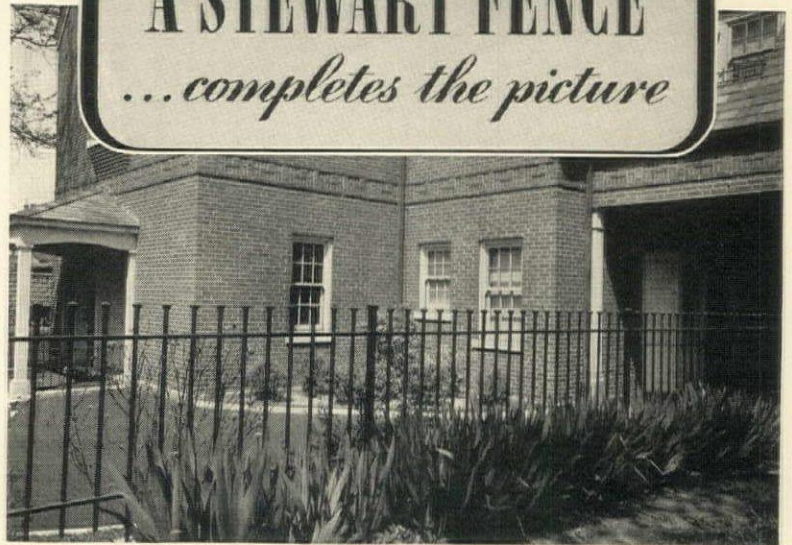
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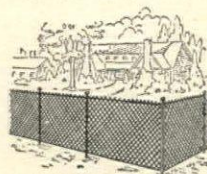
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PORTFOLIO of 20 photographs of personalized homes by leading architects is offered free to prospective home builders or remodelers, to help in the selection of appropriate shingles and roofing for homes of different types and periods. CREO-DIPT CO., DEPT. 33, NORTH TONAWANDA, N. Y.

STAINED HOUSES contains helpful suggestions on the use of Cabot's Creosote and Heavy-Bodied Stains; describes their advantages for shingles and clapboards; and shows houses so treated. Of particular interest is the Collopack process by which the stains "give the effect of dyes." SAMUEL CABOT, DEPT. HG-9, OLIVER BLDG., BOSTON, MASS.

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INSULUX GLASS BLOCK discusses the advantages of architectural glass that is adding new light and life to modern homes. It goes thoroughly into construction details, and suggests effective applications of glass bricks in a present-day home. OWENS-ILLINOIS GLASS CO., DEPT. HG-9, TOLEDO, OHIO.

PRACTICAL SUGGESTIONS for the Interesting Use of Paint and Glass in Your Home is a colorful book on modern windows—use of mirrors—beautiful kitchens and bathrooms—interiors that use color cleverly, exteriors effectively painted. PITTSBURGH CORNING CORP., 2294A GRANT BLDG., PITTSBURGH, PA.

CHOOSE YOUR HARDWARE Like An Expert catalogs the designs of essential residence hardware in styles consistent with twelve different architectural types popular today. It shows each type of house—with appropriate door knobs, knockers, handles, key plates, etc. to give it the right touch of distinction. P. & F. CORBIN, DEPT. HG-9, NEW BRITAIN, CONN.

LIVING IN THE SUN is Lord & Burnham's charming book of all-year gardens and sun rooms, which any house can have, merely by glassing-in a terrace, replacing a dark porch roof with glass, or building a glass garden wing in keeping with the architecture of the house. LORD & BURNHAM CO., DEPT. HG-9, IRVINGTON, N. Y.

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WHEN GUESTS ARRIVE . . . is your bathroom a source of pride to you? asks a pertinent pamphlet which describes the quiet, water and space saving T/N one-piece water closet and the specially designed Winston Lavatory. W. A. CASE & SON, DEPT. K38, BUFFALO, N. Y.

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GILBERT & BARKER offers four informative booklets about Gilbarco heating and air conditioning equipment made by a subsidiary of "the world's largest oil company": (1) Flexible Flame Oil Burner to fit any heating plant; (2) complete Boiler-Burner Unit; (3) efficient Heating and Air Conditioning System; and (4) dependable Hot Water Heater. GILBERT & BARKER MFG. CO., DESK C-1006, SPRINGFIELD, MASS.

RAYDIANT RADIATORS goes into detail about a new type of concealed radiator that supplies both convection and radiant heat—gives more heat near your feet—holds the heat longer—and can be used in mixed installations in which some rooms use conventional radiators. WEIL-MCLAIN CO., DEPT. GH-62, 641 W. LAKE ST., CHICAGO, ILL.

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THE HOME ELEVATOR PROBLEM is solved by an "Elevette" located in a stairwell, closet or corner. Or by an "Inclinor" that rides you smoothly up the stairway—and folds neatly against the wall when not in use! INCLINATOR CO. OF AMERICA, DEPT. HG-9, 307 So. CAMERON ST., HARRISBURG, PA.

Miscellaneous

HODGSON HOUSES AND CAMPS, catalog of a manufacturer who has been producing prefabricated homes since the "gay 90's", shows photographs, floor plans, prices of attractive ready-to-put-up homes—and includes camp equipment, garages, kennels and playhouses. E. F. HODGSON CO., DEPT. GW-9, 1108 COMMONWEALTH AVE., BOSTON, MASS.

STEWART FENCES define your property lines, enclose your tennis courts, safeguard your grounds! The choice includes not only sturdy and practical chain link, but plain and ornamental iron fences and gates. Many types are shown—about small homes and large acreages. STEWART IRON WORKS CO., CAT. 79, 518 STEWART BLOCK, CINCINNATI, O.

IMPORTED FRENCH FENCE. Here's news of a charming, all-purpose, Woven Picket Fence—easily erected—handmade of chestnut saplings—close woven for privacy, or cleft, to give gardens more sunshine and air. They are both serviceable and characterful. RUSTICRAFT FENCE CO., DEPT. HG-9, MALVERN, PA.

FLEXSCREEN suggests an attractive new idea in a firescreen that hangs like a flexible metal curtain, and slides back with a single swish when you want access to the fire! There are six styles of fixtures, suitable for any type of mantel, or period of design. BENNETT FIREPLACE CORP., 938 CHESTNUT ST., NORWICH, N. Y.

A CHIME SIGNAL that banishes doorbell nerves is the bright and welcome suggestion of this leaflet on the Rittenhouse Junior Electric Door Chime, which replaces the shrill b-r-r-ring with a single vibrant note. It's inexpensive, too. A. E. RITTENHOUSE CO., DEPT. HG-9, HONEOYE FALLS, N. Y.

HOUSE & GARDEN

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Contents for September 1938

section 2

HOW TO USE THIS PORTFOLIO

One of the largest building materials firms in the country recently attempted to increase sales by sending some canvassers to ring door bells and suggest to home-owners ways in which their houses could be modernized or generally improved. After a brief trial, they gave the idea up. They found that few people needed to be told what should be done to their houses. If shortcomings exist in the plan, design or construction of a home, one may be sure the owner is the first to become aware of them. It is then that he looks to magazines like HOUSE & GARDEN, to architects and contractors for a solution of his modernization problems.

It is impossible for us to suggest in one issue of the magazine every possible solution of every possible modernization problem. In this portfolio we have tried to take the more typical examples of remodeling operations. We have worked out for you schemes for remodeling houses, for adding or modernizing bathrooms, basements and kitchens. We show, too, actual "before-and-after" views and we have devoted a considerable amount of our space to the materials and equipment which will enhance the investment in your house.

Careful perusal of this Portfolio will suggest a number of ways in which you may improve the house you live in. Remember though that building costs have increased during the last two years; that these costs will undoubtedly continue to rise and that there will ultimately be a serious shortage of skilled labor. All of which clearly points to the advisability of "doing it now." Therefore we call your particular attention to the first article in the Portfolio on "Financing." FHA modernization loans are not well enough understood by home owners. We believe you will be surprised to find what golden opportunities this new method of financing affords those people who are planning to modernize before June 30, 1939.

EDITORS: Richardson Wright, *Editor-in-chief*; Henry Humphrey, *Managing Editor*; Arthur McK. Stires, *Architecture*
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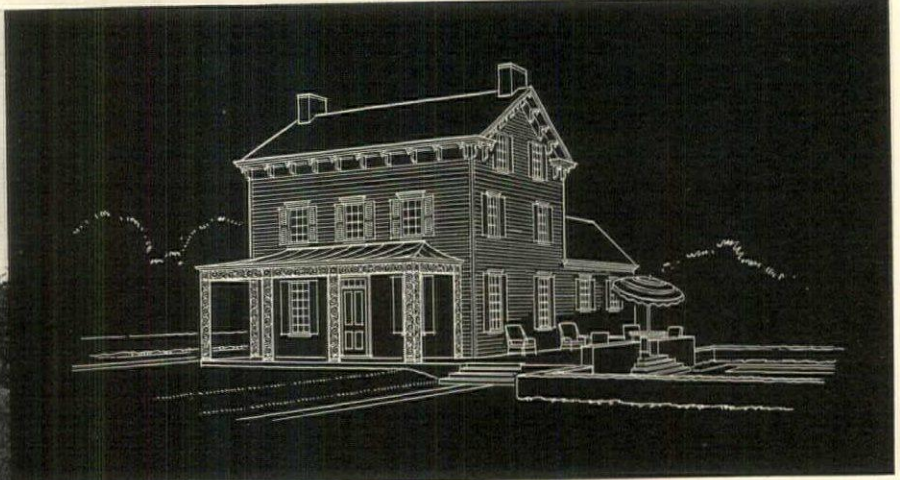
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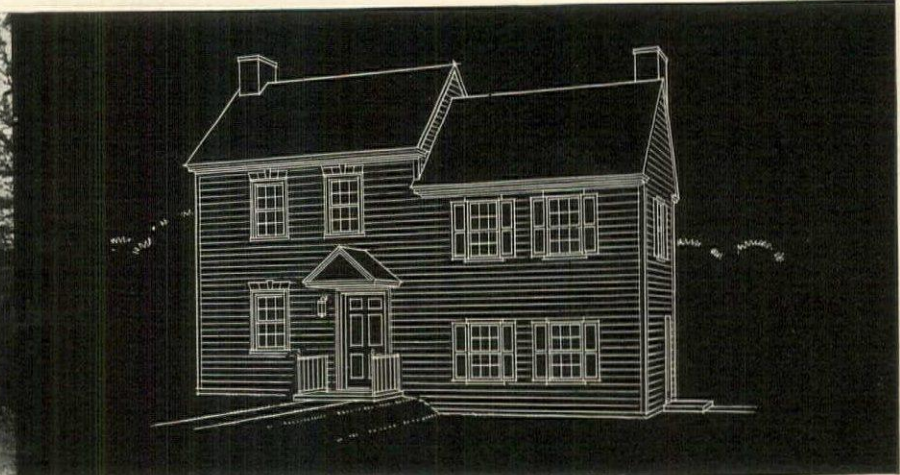
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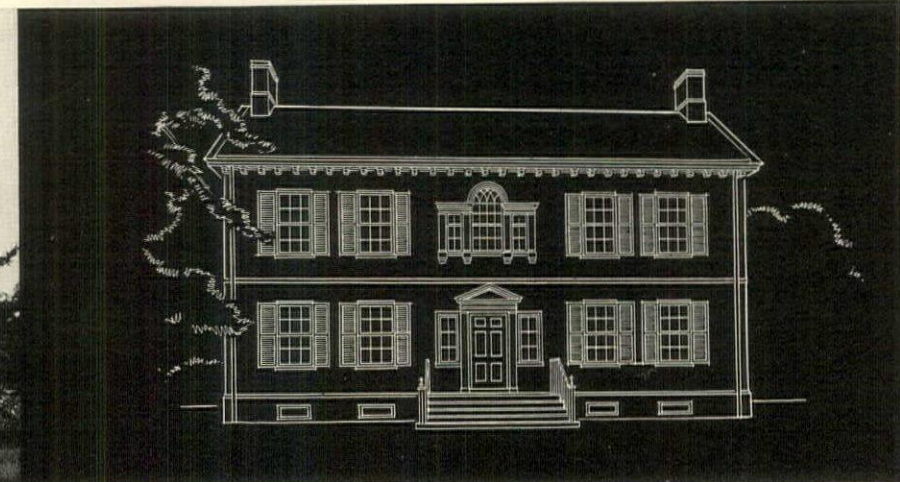
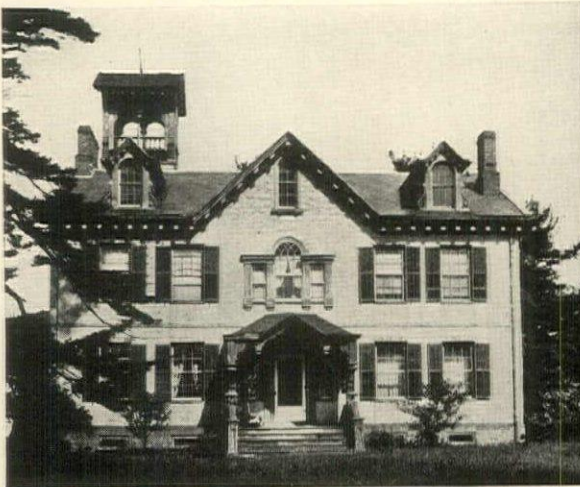
BENNET



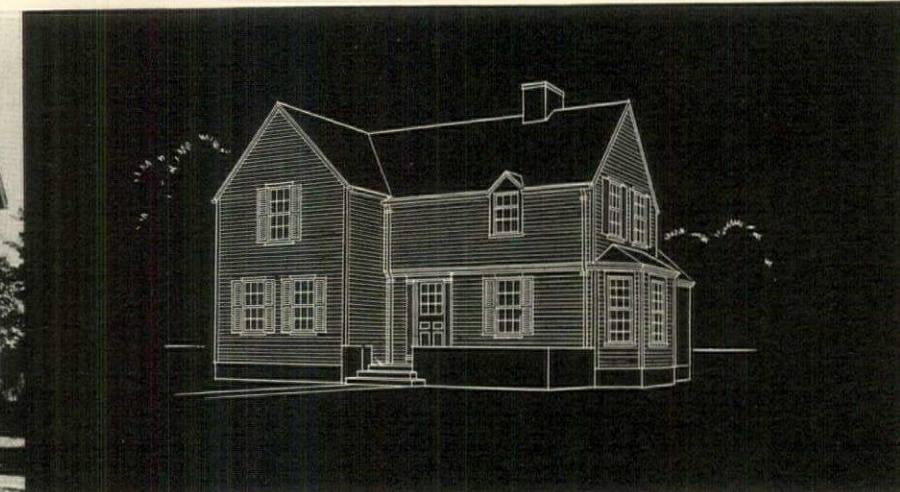
We suggest face-lifting schemes for four typical old houses. Above, an early manor house is simplified



New siding and roofing, a simple covered entrance and new blinds transform this antiquated cottage



The judicious removal of incompatible elements here suffices to reveal a very charming Colonial home



A Victorian farmhouse yields to the rejuvenating effect of an open terrace and a simplified roof-line

CALLOWAY

FINANCING

THE time has come to talk of dollars and where to get them. Dollars for all the things that keep an old house young, or that stretch a small house into a larger one to fit a growing family.

At present these dollars are surprisingly easy to obtain. *After June 30, 1939, less than a year from now, this condition may not hold.* The liberal provisions of the National Housing Act under which the Federal Housing Administration may insure loans for repairs, additions and modernization expire on that date. Today building costs are well below normal, skilled labor can be obtained, modernization money is cheap. None of these conditions is likely to obtain a year hence. Moral: modernize NOW!

Under FHA insurance regulations, local banks and approved institutions may lend up to \$10,000 for the improvement of an existing property. A loan under \$2,500 usually may be obtained on a simple note without other security; above that amount the lender will generally require security either in the form of a mortgage or other acceptable collateral. In all cases, however, the borrower's credit reputation and his probable ability to meet the monthly payments throughout the life of the loan are the determining factors.

No money is loaned by the Federal Government. An owner must apply to his bank (or lending institution)—or if that bank does not desire such loans—to one of the more than 7,000 banks and lending institutions which have qualified under FHA regulations. The lender decides for himself whether or not the borrower is a good risk and the intended improvements are of the kinds approved by FHA. He then signifies his willingness to make the loan, and if the proposed loan is above \$2,500, submits it to the Federal Housing Administration for approval before making the loan. On cases involving new residential construction under \$2,500 he obtains approval of the location from the local FHA office. If the FHA's answer is "Yes, go ahead," the banker may then make an insured loan.

The borrower merely fills out an application form and states clearly for what purposes the money will be spent. Usually con- (Continued on page 48)

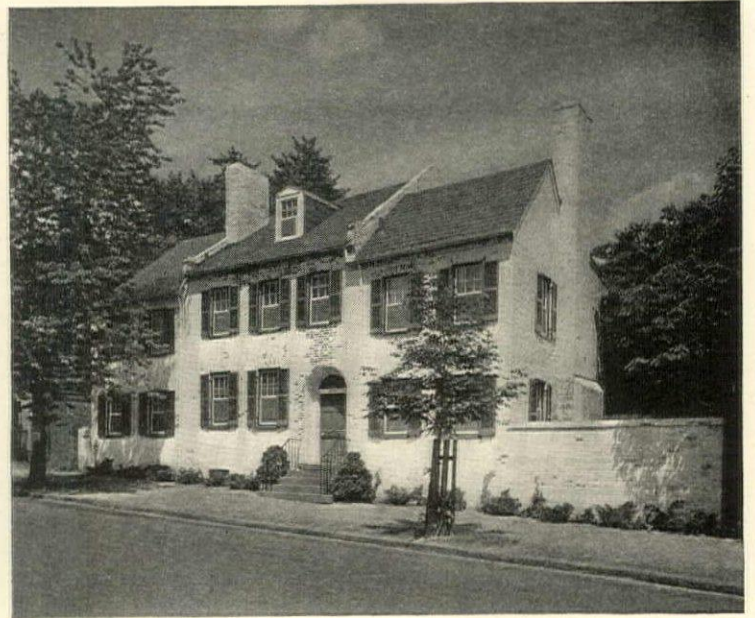
MODERNIZATION

PORTFOLIO

THREE TYPICAL MODERNIZATION PROBLEMS



BEFORE



AFTER



BEFORE



AFTER

CRED-DIPT



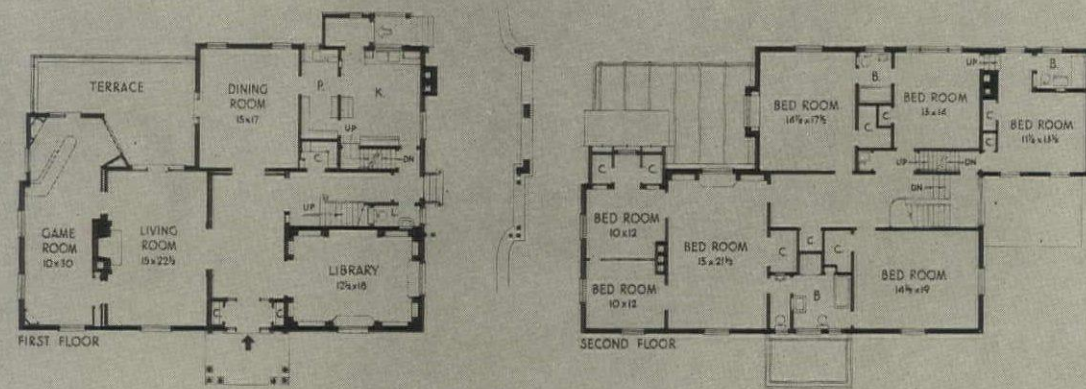
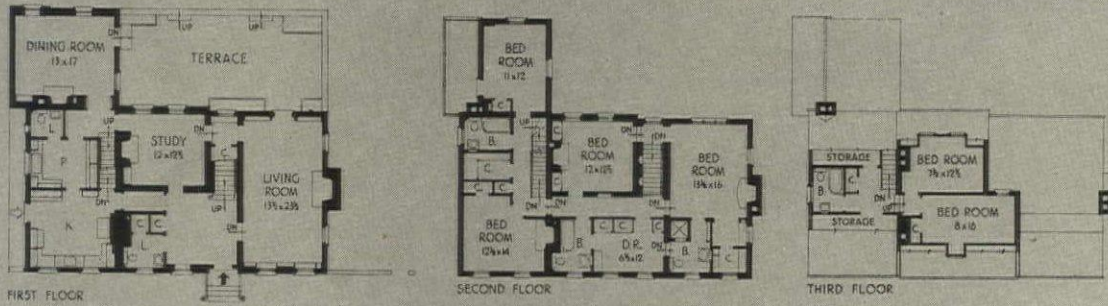
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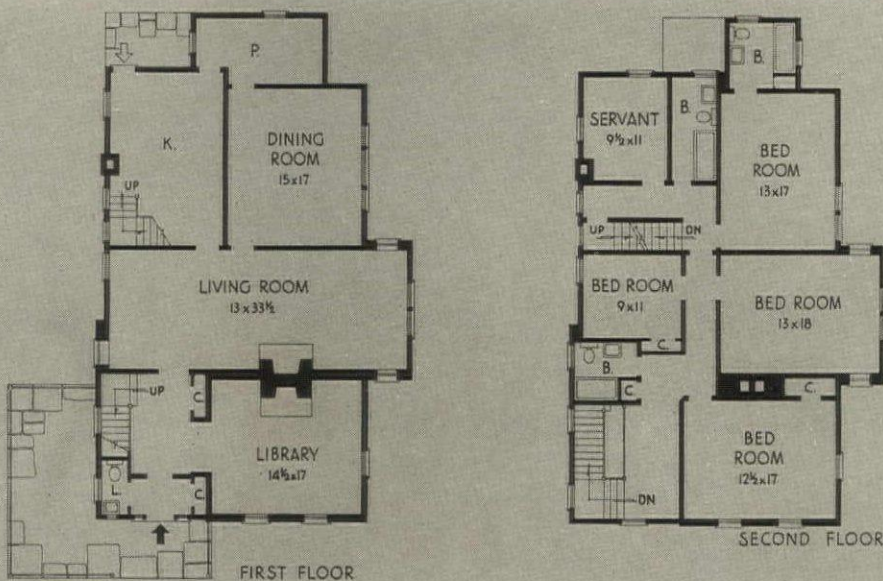
MODERNIZATION PORTFOLIO

The great possibilities in modernization of urban property are well demonstrated by this example from the Georgetown district of Washington, D. C. The three houses had sunk low in the social scale when Mr. Edward B. Burling, Jr., decided to convert them into a single house, entirely remodeling the interior. On the exterior the three doors were converted to windows and the passage-way arch turned into a front door. George L. Howe, architect



Modernization is not confined to the rehabilitating of run-down shacks. Sometimes a house which in itself is not particularly neglected or unsightly will be remodeled to conform more closely to the architectural taste of a new owner. Such was the case with Mr. Jeffrey Lazarus' home at Cincinnati, Ohio. The roof had a wide overhang removed and three dormers added. The stucco walls were covered with wood shingles. C. F. Cellarius, architect

Before its modernization Mr. James L. Peden's home at Corning, N. Y., was a high, ugly house on a high hill, and the main problem was to reduce the apparent height of the building. With this end in view, the dormers were removed, the chimneys shortened. The new facing shingles were spaced as wide as possible to the weather, the sash cut into small lights, and the entrance steps and planting given horizontal emphasis. C. W. Tanner, architect

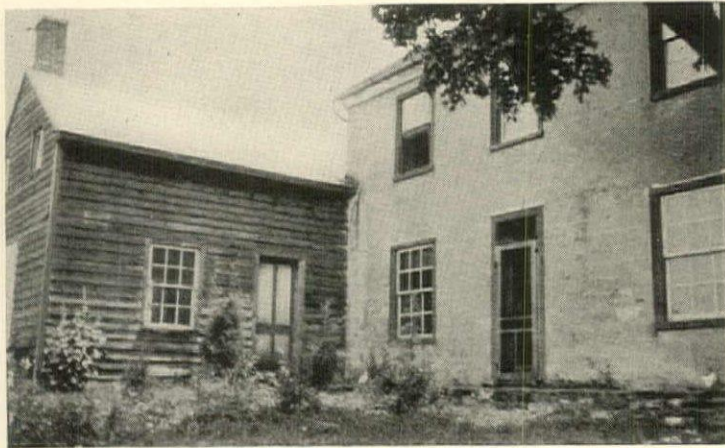


PLANS OF THE HOUSES AS REMODELED

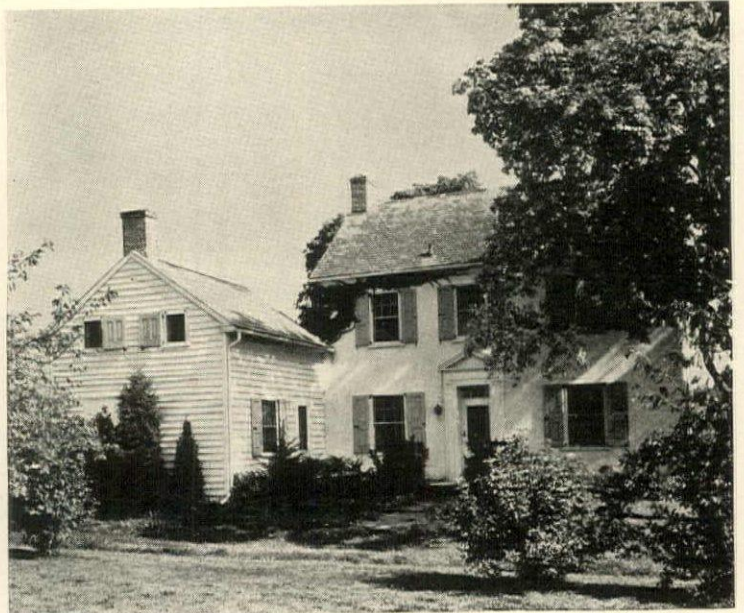
MODERNIZATION

PORTFOLIO

THREE NOTABLE REMODELED HOMES



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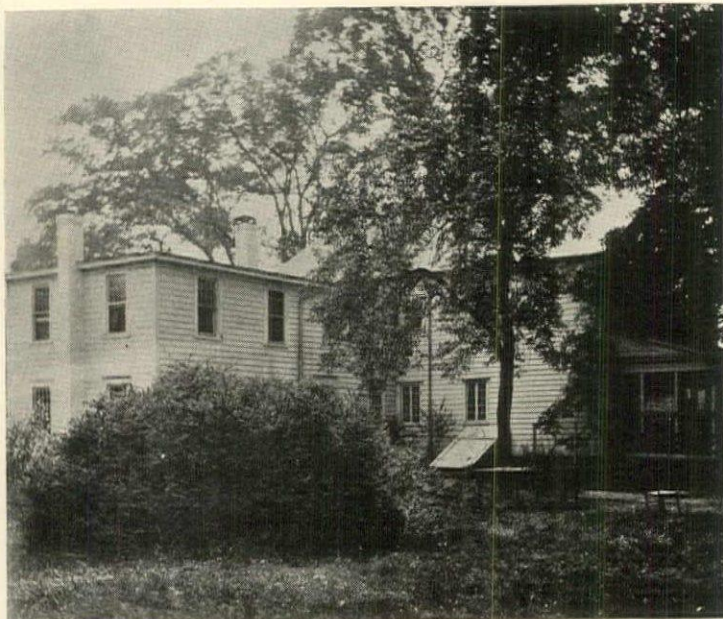
STERNBERG



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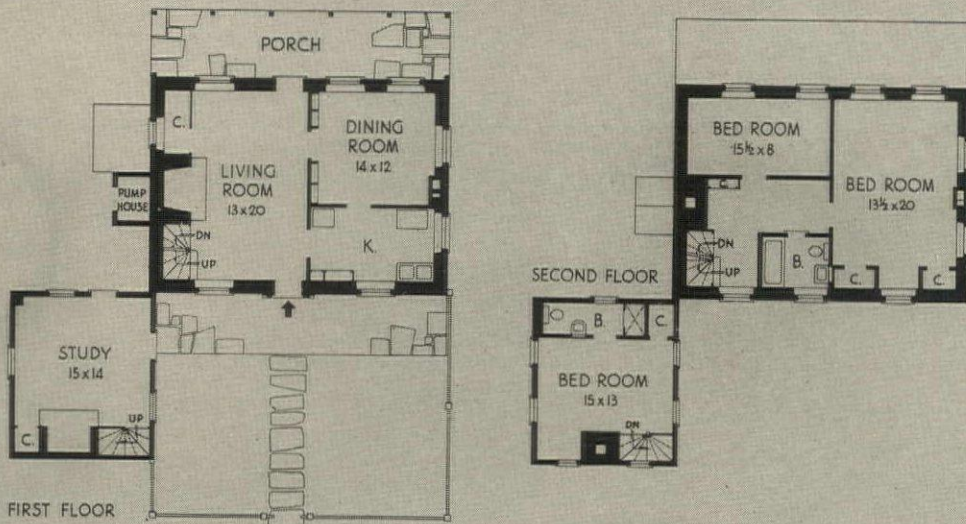


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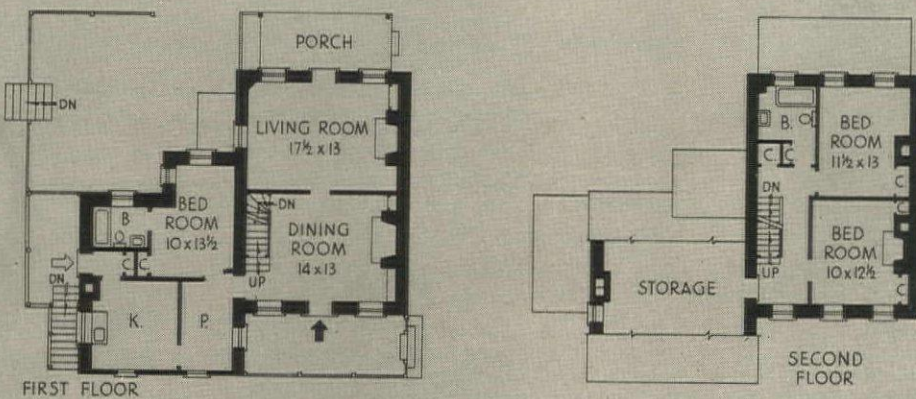


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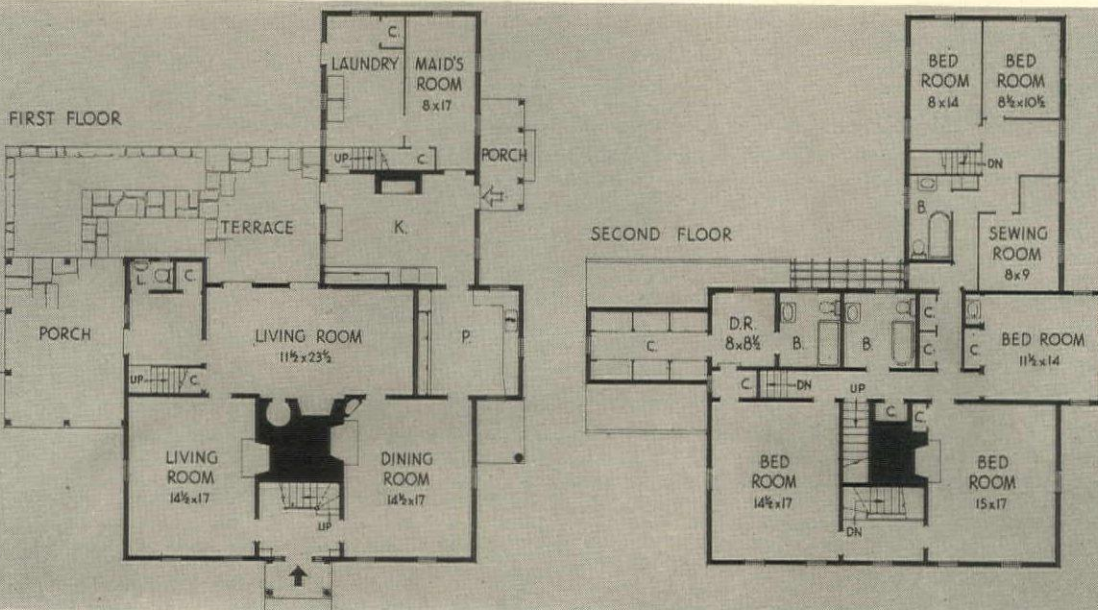
MODERNIZATION PORTFOLIO



Frequently, as in this case, minor structural changes will suffice to transform a long neglected house into a country home which is both livable and good-looking. On analysis the chief ingredients of the transformation appear as new doors, sash and blinds; also new fences and terracing. The owners, Mr. and Mrs. E. V. Seiler, Erwinna, Pa., plan to add to the end of the house between the study and living room. Emil J. Szendy, architect



The little four-room stone house which provided the nucleus of this modernization job was erected at Wawa, Pa., in 1812. But it was still in sound condition, so its owner, Miss Dorothea Wood, decided to remodel it for use as living quarters and to add a new service wing. The latter is constructed of stone taken from an ancient demolished barn, and its design was made to conform closely to the style of the original house. H. Martyn Kneedler, architect



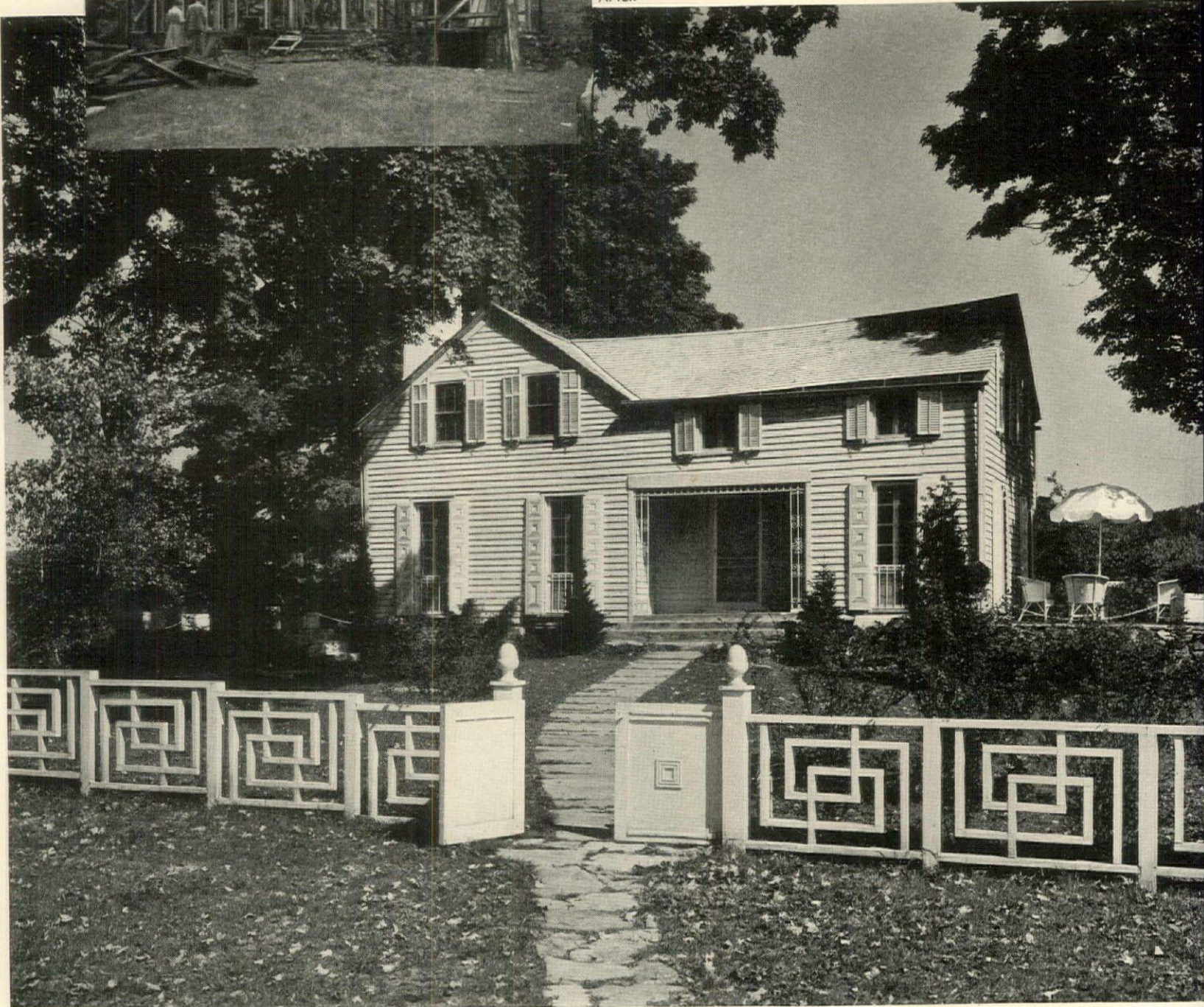
Photographs and plans demonstrate more effectively than lengthy descriptions how little work was necessary to modernize the appearance of Mr. Charles Dupee's home at Fairfield, Conn. Its typical New England plan, centered on a large chimney stack, has been left almost unchanged. The exterior transformation is due to a pitched roof, new doors, blinds, sash and paint, and the rehabilitation of an overgrown garden. Cameron Clark, architect

PLANS OF THE HOUSES AS REMODELED

BEFORE



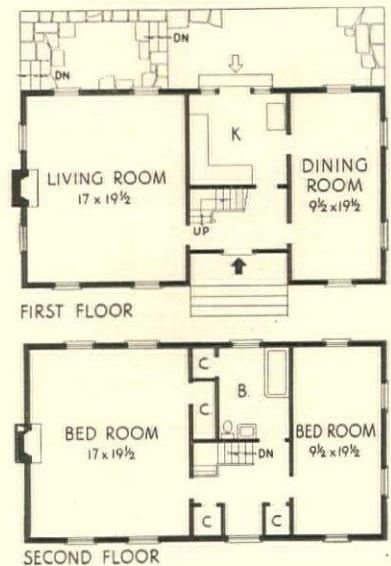
AFTER



EMELIE DANIELSON

A NEW ENGLAND FARMHOUSE GOES REGENCY

When Maitland B. Lucas, New York decorator, bought some acres of land near Southbury, Conn., the hilltop site was already occupied by a ramshackle farmhouse. The latter was in none of the conventional New England styles, so Mr. Lucas, with the assistance of Miss A. L. Maxwell, decided to adapt it to Regency. All the downstairs windows were converted to French doors and a grille added around the front entrance. The shutters were copied from some Delaware originals, the design being repeated in the front door and gate. The roof and chimney as well as the trim are painted white, contrasting with the pink of the walls which give the house its name—Pink Hill Top. The interiors are on page 22.



EXTERIORS

WALLS · ROOFS · ENTRANCE & GARAGE DOORS · WINDOWS, SCREENS & STORM SASH

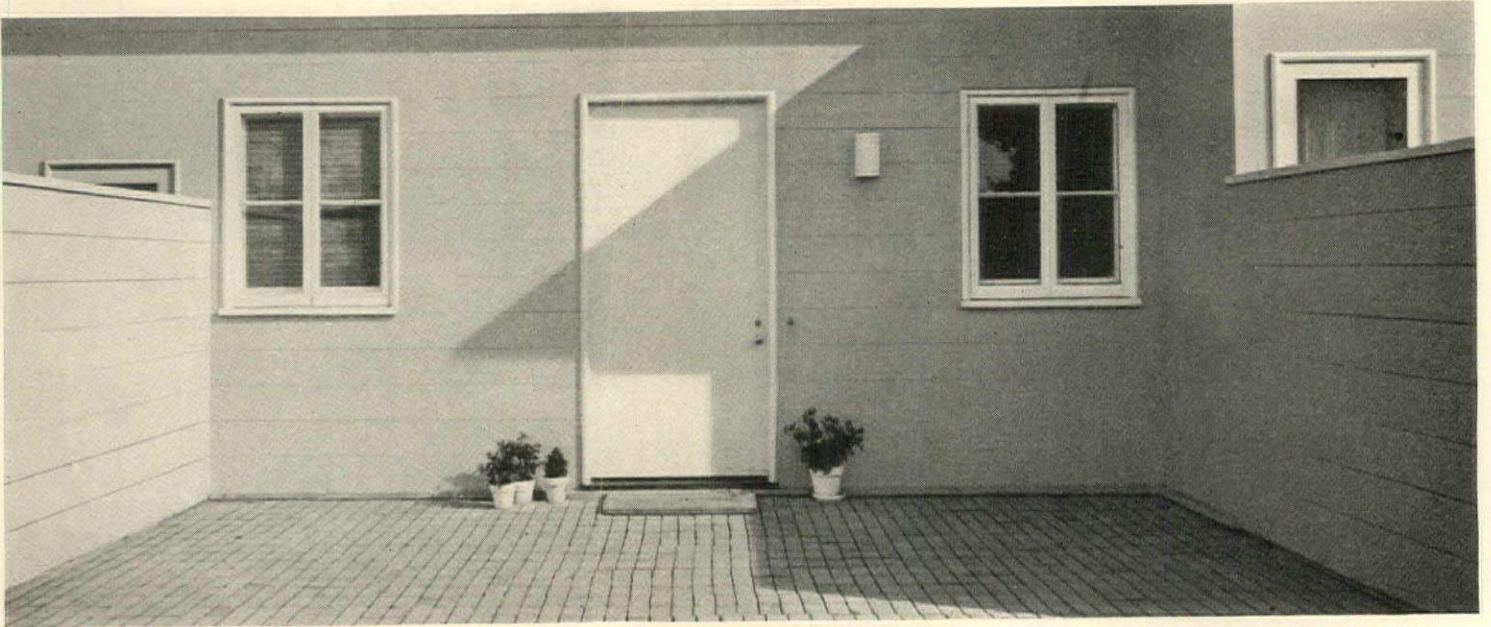
As we use the term in this portfolio, "modernization" embraces almost any constructive work on an existing home. It may take the form of complete remodeling, as when an old house is restored from cellar to garret. It may take the form of some specific addition to the home, whether of equipment or of a new room. Or it may cover simply the essential maintenance of a home in good order and in good repair.

The exterior of the house, in any case, is the logical point of departure. Not only is this exterior the face which your home shows to the world; not only is it indicative of the careful, or careless, maintenance of the whole house—and therefore of the value of the house—but, in a fundamental sense, the exterior is the shell which encloses and protects all that is within and, as such, has a prior claim on the owner's attention. Certainly, the more time, thought and money we invest in the interior decoration and mechanical equipment of our home, the more careful we should be of the appearance and structural soundness of the exterior.

A little inattention in this department of modernization, a few repairs too long delayed, some lack of information on important technical advances, can result in annoying or costly damage or, at least, in unnecessary sacrifice of comfort. If the roofing shingles show signs of old age, they should be examined and, if necessary, replaced before a sudden storm causes serious leaks to develop. Similarly the flashing on chimneys, eaves, windows and doors should be inspected. Exterior walls may need paint, one of the best trouble-preventers yet devised, and while the work is being done the walls should be examined for loose boards or shingles, mitered corners which have sprung enough to allow rain to seep in, and, in general should be put in good structural repair before painting. If a new surface material is needed this can usually be applied directly over existing walls. But whether roof or walls need repair, or whether windows or doors need replacing or modernizing, the exterior should have our serious attention. In the following section House & Garden presents a wealth of ideas pertaining to this important phase of modernization.

WALLS

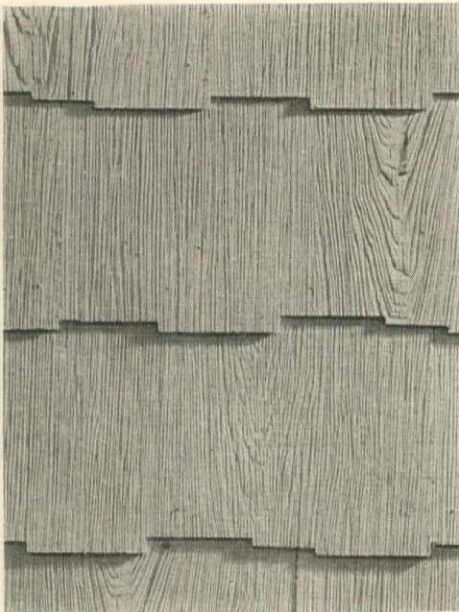
EXTERIOR



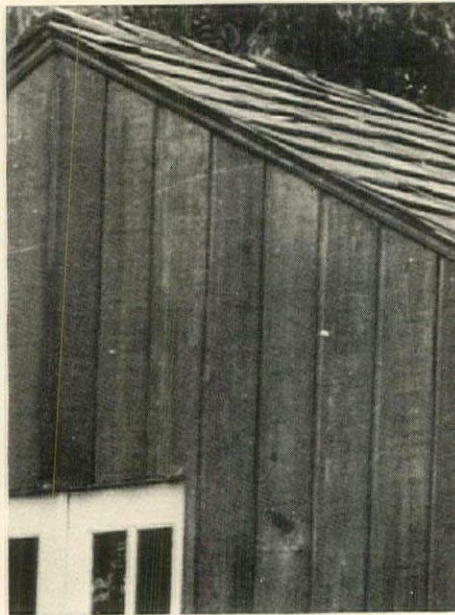
The exterior walls of your home serve an important double function. They must provide efficient shelter, and they must, by the

nature of their material, be in complete harmony with the architectural scheme. In modernizing, therefore, select a material

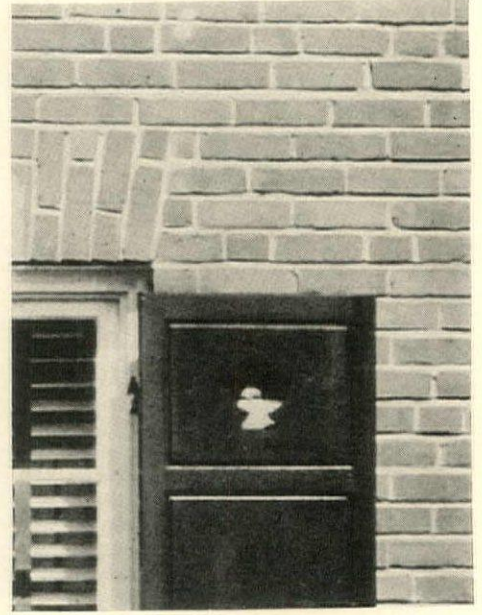
which is appropriate as well as durable. The home above, designed by W. W. Wurster, shows painted wood siding used effectively



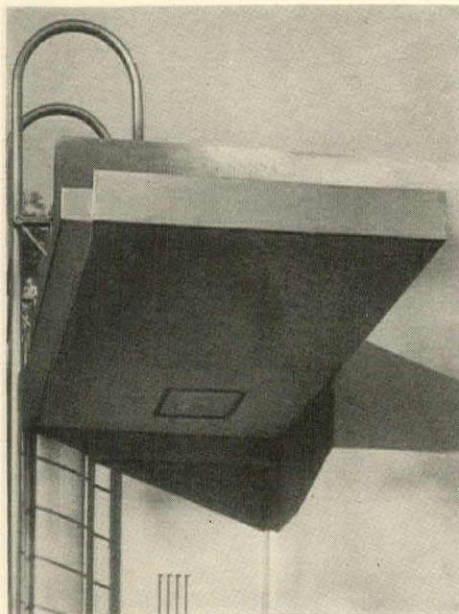
Wood-textured siding shingle, of fire-proof asbestos fibre and cement, may be used directly over existing walls. Ruberoid



Stained redwood boards, notably durable, lend an appropriate and vigorous note to informal designs. California Redwood Assn.



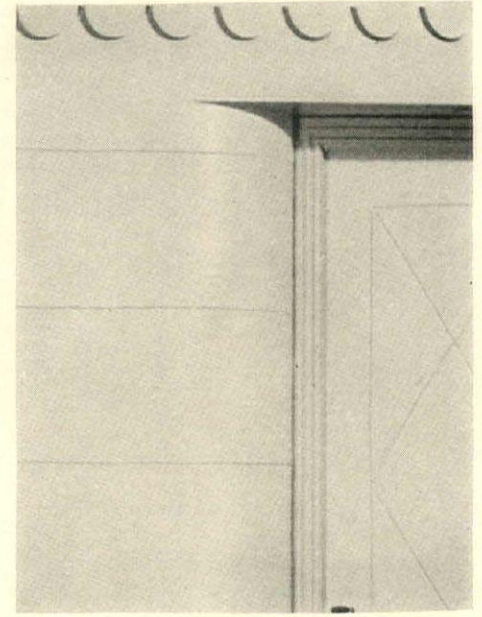
Many an old house has been completely renewed by a brick facing applied over the old walls. Structural Clay Products Inst.



Metal walls are becoming increasingly popular, particularly when used in modern designs, as here. R. J. Neutra, architect

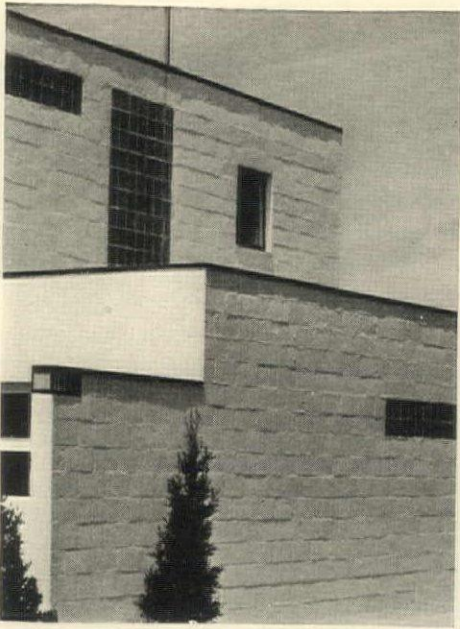


The traditional appearance of Colonial architecture is well preserved by using narrow clapboard. Mellor & Meigs, architects

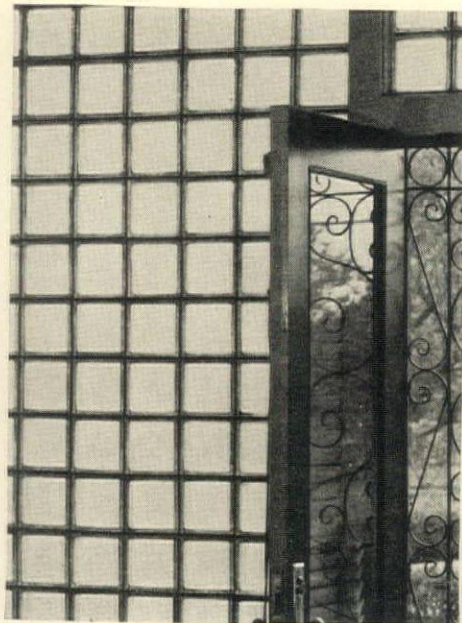


This plywood siding, securely fitted at all the joints, may be applied to either curved or plain flat surfaces. Harborside

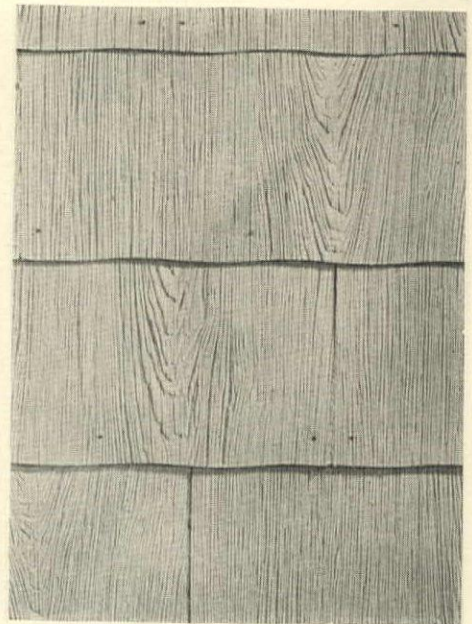
WALLS EXTERIOR



Fire safety and rugged strength combine with interesting textures in cinder block wall construction. Portland Cement Assn.



Walls of structural glass brick admit a soft, diffused light and provide efficient thermal insulation. Owens-Illinois Glass Co.



Asbestos-cement siding shingles are always economical to apply. This type is adapted to Colonial designs. Ruberoid

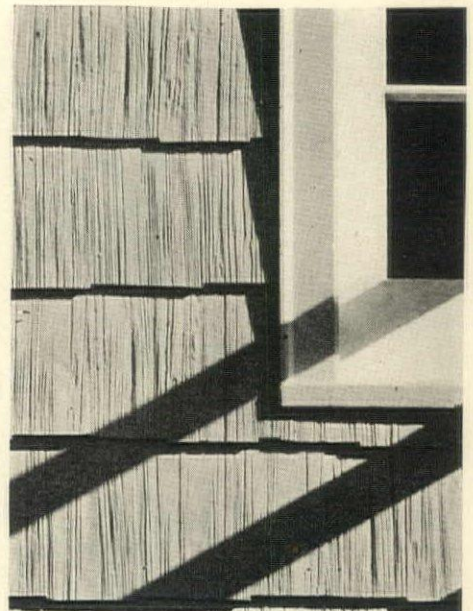


GOTTSCHO

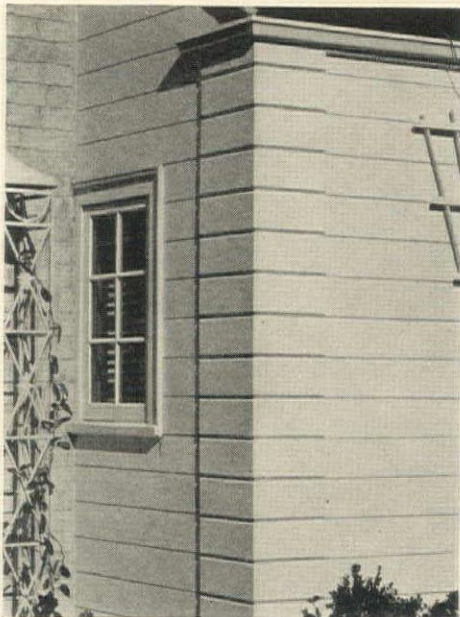
Stucco is especially effective when its textural possibilities are fully developed, as demonstrated here. J. L. Volk, architect



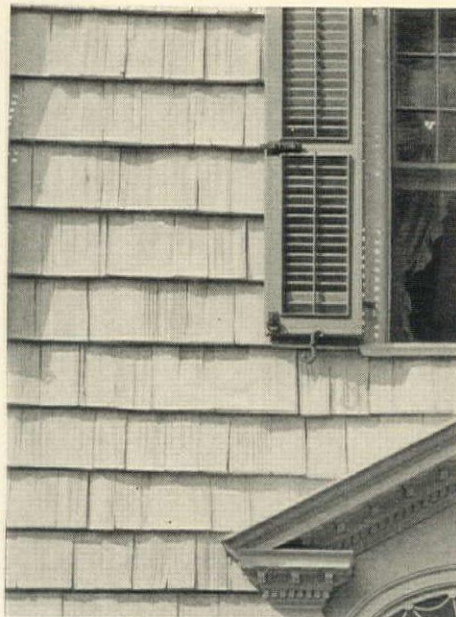
A new clapboard, having the grain and appearance of cedar, is actually a fire-proof composition board. Johns-Manville



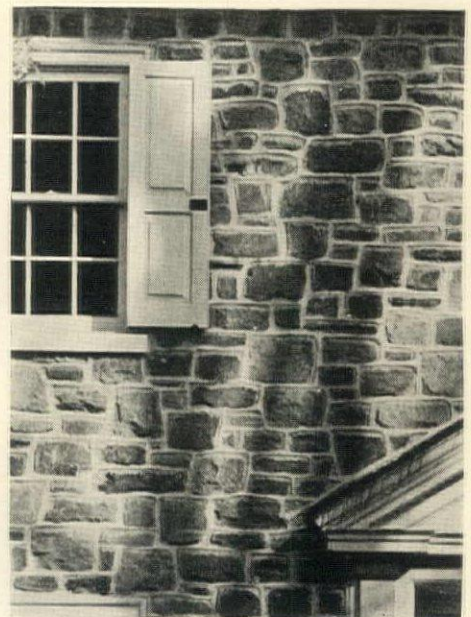
This asbestos-cement siding is faithfully modeled from heavy cedar "shakes". It requires no painting. Johns-Manville



Wood walls are infinite in their variety. Here beveled siding is used to simulate stone quoins. F. L. R. Confer, architect



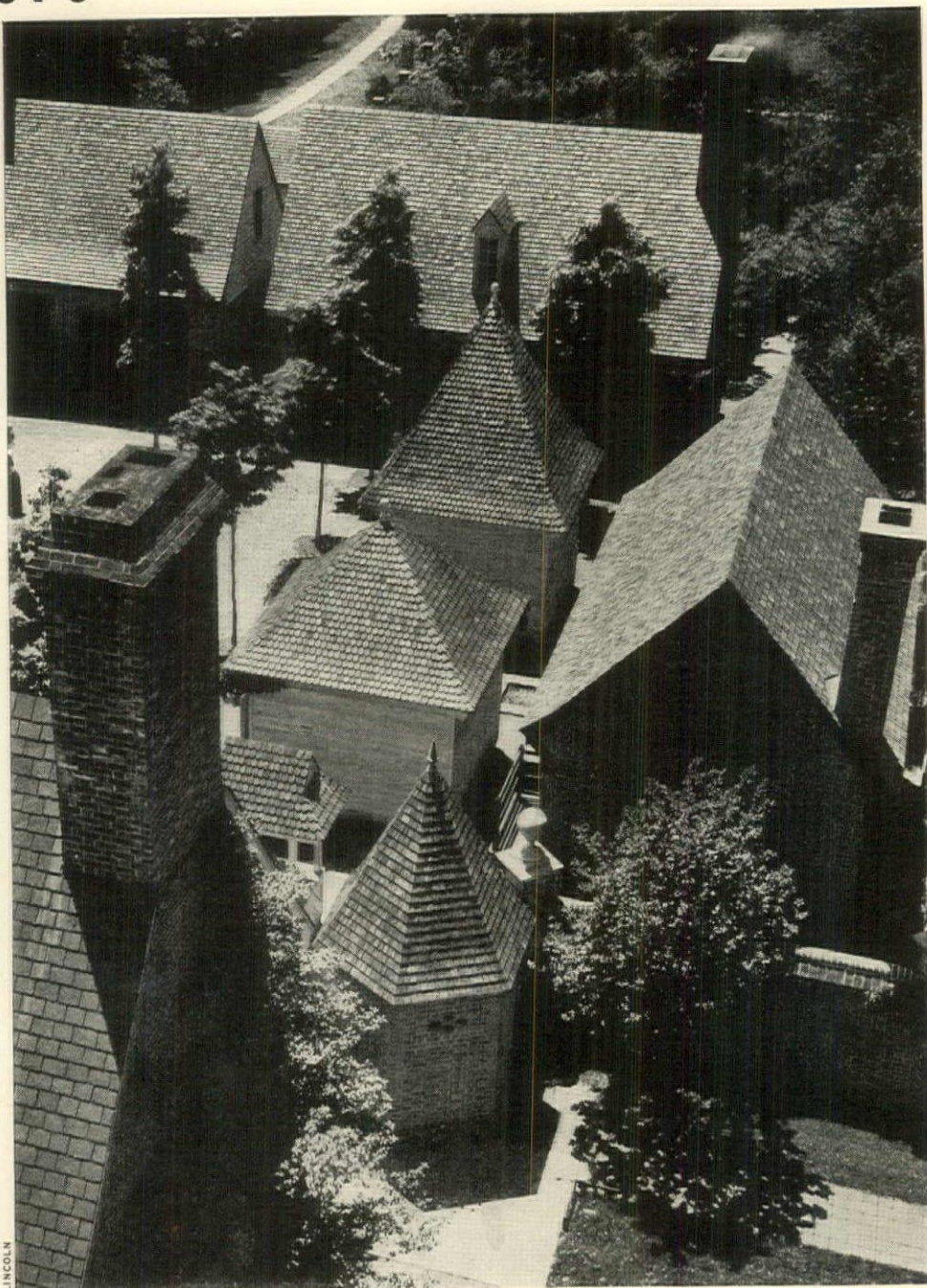
Hand-split wood shakes, stained a weathered grey, are used on this Colonial home designed by Electus D. Litchfield. Creo-Dipt



Stone masonry must be carefully executed—as above—to be correct in scale, color and texture. Berninger & Bower, architects

ROOFS

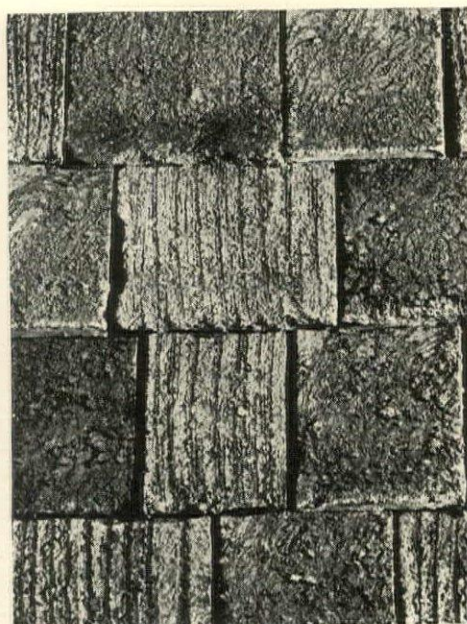
EXTERIOR



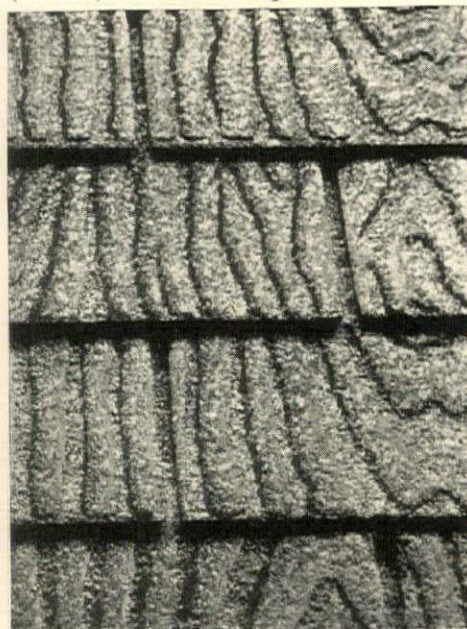
LINCOLN

ABOVE: The type of roofing material employed plays a larger part than is generally realized in determining the character of a

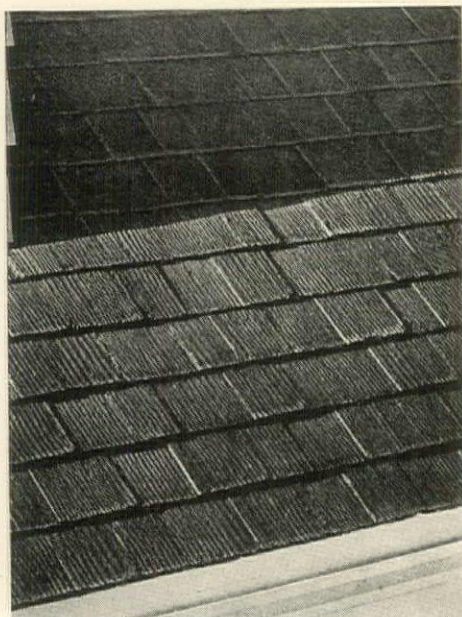
house. To the wide range of traditional materials is now added composition shingles, used in the restoration of Williamsburg, Va.



This close-up of asbestos shingles used extensively in Colonial Williamsburg, Va., (see left) shows the antique effect. Mohawk



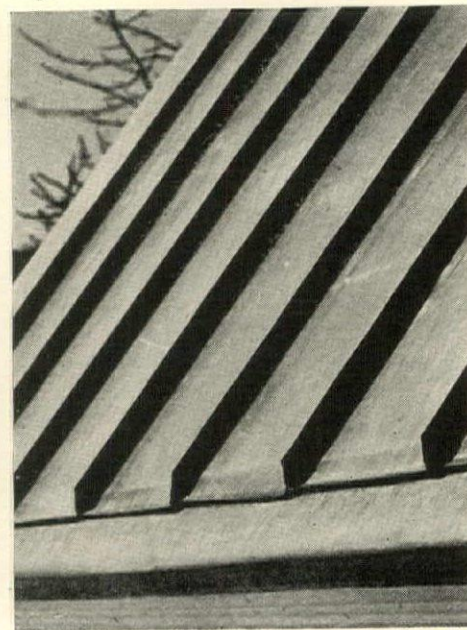
This asphalt shingle is designed to reproduce in firesafe material the deep markings found in hand-split wood. Certain-teed



Firesafe composition shingles can now be obtained which closely resemble the texture and color of unstained wood. Johns-Manville



A layer of these asphalt shingles applied over a dilapidated roof will serve to improve its insulation value noticeably. Ruberoid



The traditional standing-seam copper roof not only weathers to a fine blue-green shade, but is also very long-lived. American Brass

ROOFS EXTERIOR



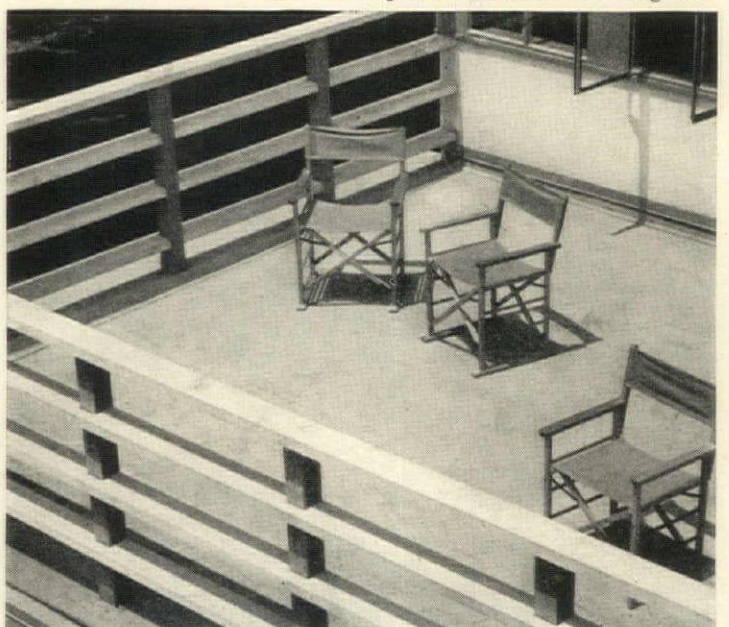
These shingles are made of mineral granules cemented with waterproof asphalt to a felt base. They are available in various types to fit either traditional or modern architecture. U. S. Gypsum



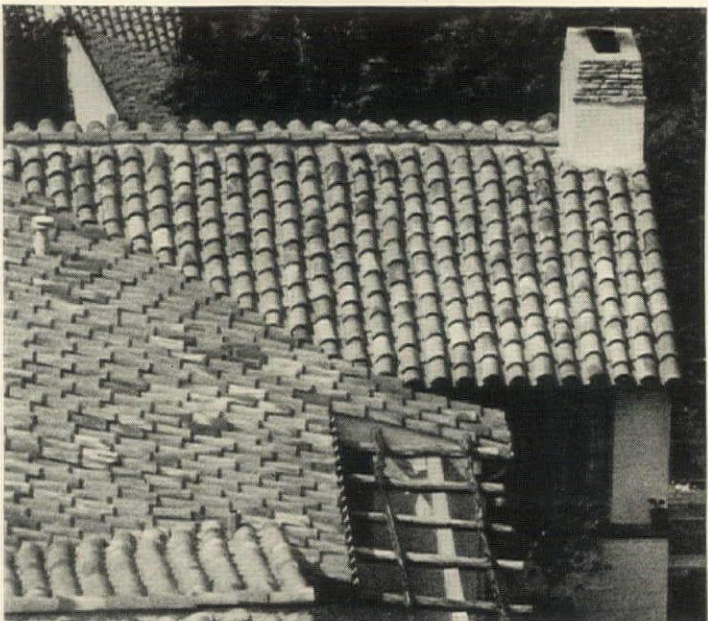
It is now possible to obtain a thatched roof which not only retains the traditional charm and insulation value of this material but is also fire-resistant and vermin-proof. Thatched Roof Mfg. Co.



Thick, hand-split redwood shakes possess all the character of a traditional material used in traditional fashion. They are particularly suitable for a country home, such as this at Del Monte, Cal.



If, when adding a new wing to your house, you can give it a flat roof, then the latter may be useful as a deck. Either canvas or a composition roll roofing will serve well. William Lescaze, architect



Round tiles are most appropriate when used for the rambling, single-story country home like this one, at Palos Verdes, Cal. Strong sunlight shows their rich coloring and uneven surface to advantage



For long life and distinguished appearance good-quality sawed wood shingles are among the best materials. Exposure to the weather serves to improve their soft coloring. Van Pelt & Lind, architects

DOORS

EXTERIOR



GOTTSCHE

Nothing can so easily rejuvenate a shabby house as a new front door. But choose it with care; it will inevitably be a prominent feature.

The attractive louvered door above is designed for a hot climate, to afford circulation of air. Wyeth & King, architects



GOTTSCHE

A restrained adaptation of classical pillars and pediment here contrasts with the delicate fanlight. Treanor & Fatio, architects



A slightly curved iron railing severely paneled doorway to the and the driveway. Julius Gregory



This rugged brick doorway is given added importance by being set on a higher level than the garden and decorated by an iron rail

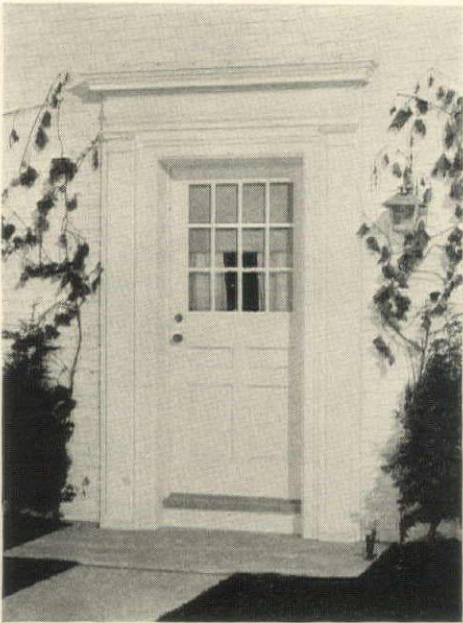


Elegant formality is here emphasized by the two carriage lamps, the two little trees and the deep reveal. D. A. Ogilvie, architect

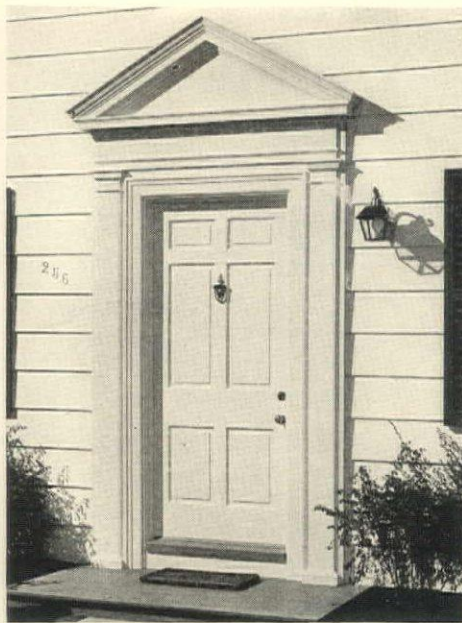


Within the L formed roof, on slim pillars, simple doorway. Ralph

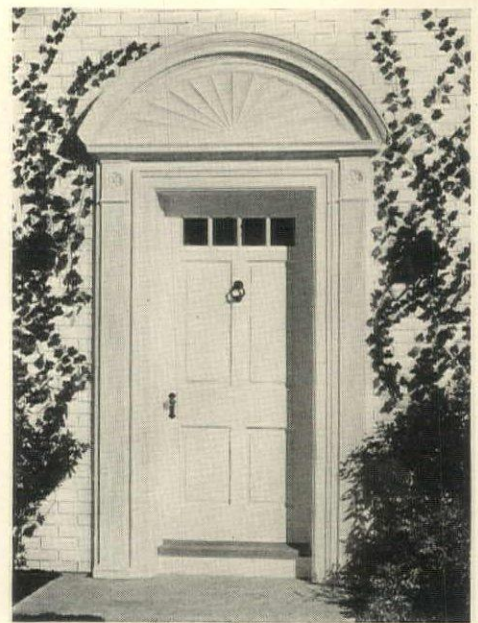
DOORS EXTERIOR



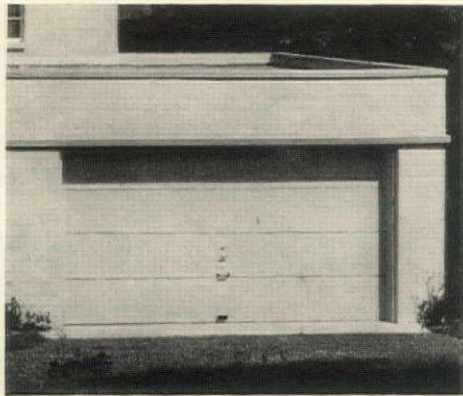
The detail of this doorway is derived from Connecticut houses of about 1750. It comes in stock sizes, complete, ready to install. Curtis



Though typical of New England Colonial, prototypes of this stock doorway can be found in Pennsylvania and Virginia homes. Curtis



This stock design was suggested by the doorways of homes built by settlers in the Connecticut River valley before 1750. Curtis



The horizontal lines of this type of overhead garage door make it adaptable to modern design. C. F. Greenidge, architect



Easily applied equipment makes possible the swift conversion of old swing-out doors to the modern overhead, swing-up type. Stanley



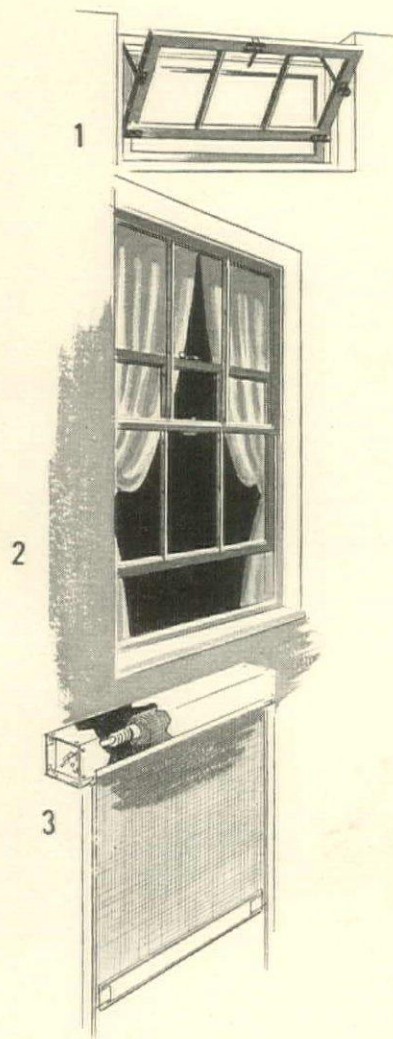
In modernizing an old house, a wise improvement is to replace existing wooden cellar doors with a neat steel bulkhead, Bilco



Doorways planned by leading architects to insure good design are now obtainable from the stock lines of modern manufacturers. This doorway and the three shown above have been specially designed by the noted architect, Dwight James Baum. Curtis Co.

WINDOWS & SCREENS

EQUIPMENT



NEW UNITS

Because of their smart appearance, efficient operation and durability, these windows commend themselves as much for remodeling work as for new construction.

1. This basement window, adjustable for varying degrees of ventilation, projects horizontally at top when fully opened. Curtis.

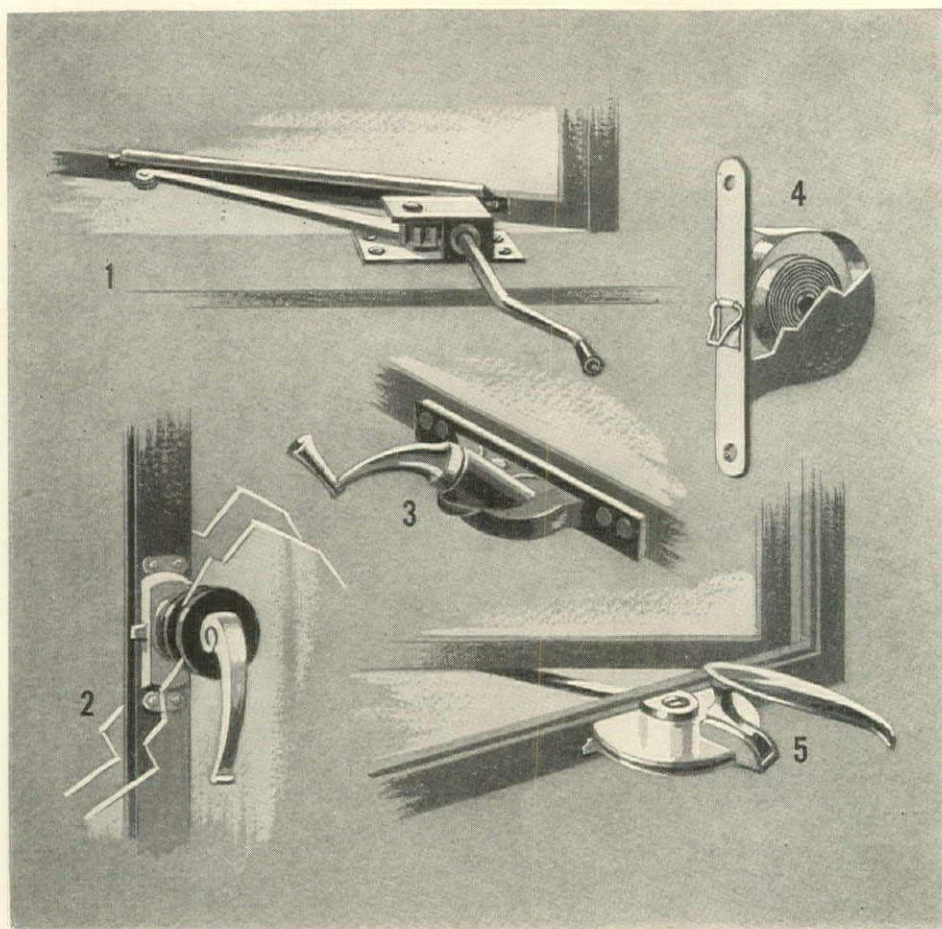
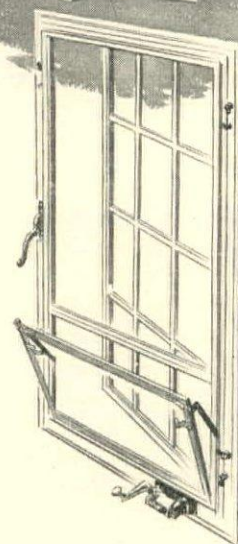
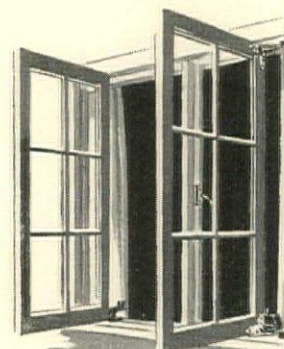
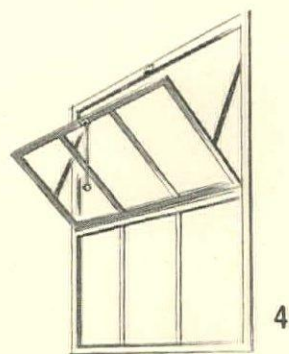
2. A double-hung metal window has built-in metal weather stripping and requires little effort to open. General Bronze.

3. This roller screen may be raised or lowered to any height and remains in its concealed casing when not in use. Rolscreen.

4. The lower lights of this steel basement window are fixed, while the upper lights tilt in for ventilation. Fenestra.

5. For maximum ventilation, a casement window is excellent. These swing clear of the frame for easy cleaning. Anderson.

6. The metal-framed storm sash, with tilt-in ventilator, is interchangeable with a screen in this steel casement. Hope's.



ACCESSORIES

At the left are five devices which contribute to the effortless manipulation and control of various types of modern windows. All are made of rustproof metal.

1. A gear type casement operator, reversible for installation on either right or left hand windows. Casement Hardware Co.

2. This casement locking device is sealed by a rubber grommet and operates directly through the fitted storm sash. Fenestra.

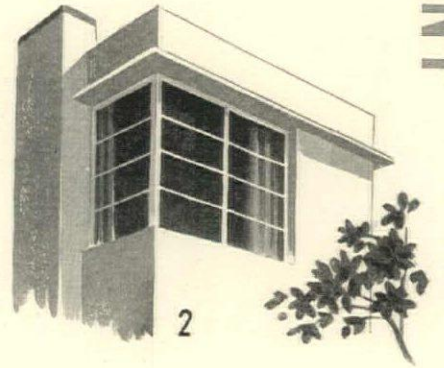
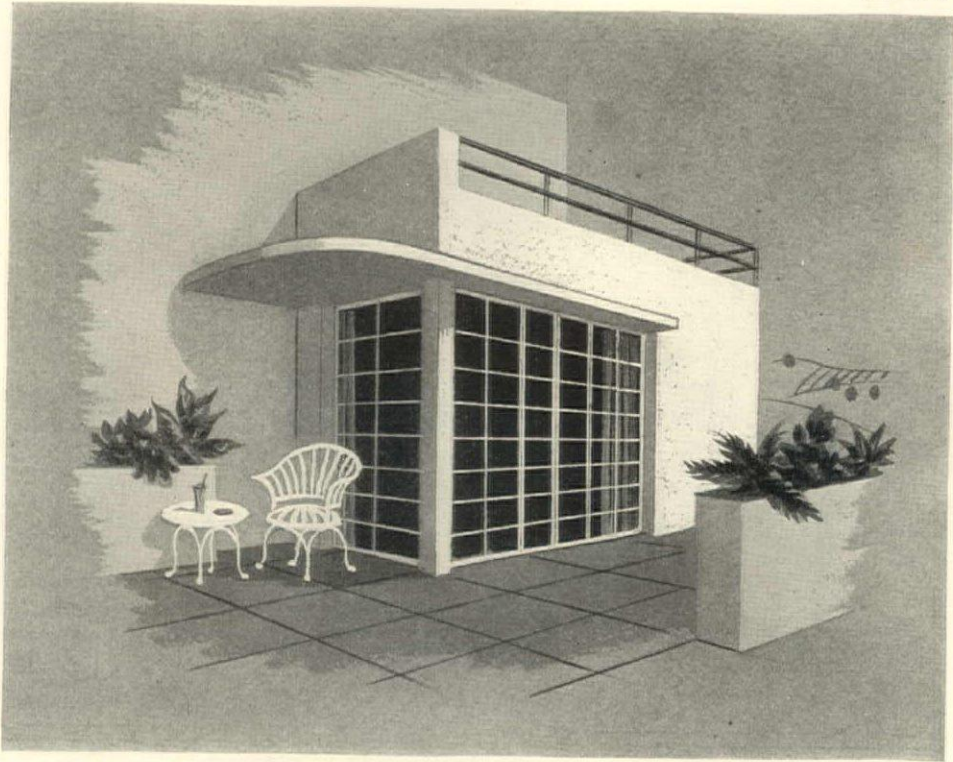
3. Especially adaptable for windows with wide sills, this angle-drive operator clears the sill, fits snugly. Casement Hardware.

4. This sash-balance, which may be applied to existing double-hung windows, replaces sash cord and weights. Pullman.

5. Streamline styling characterizes this quadrant-type operator. Like others it offers no obstruction to screens. Hope's.

WINDOWS & SCREENS

EQUIPMENT



APPLICATION

Present day stock windows are of special interest because of the great variety possible in their application. The details sketched here serve to indicate the range.

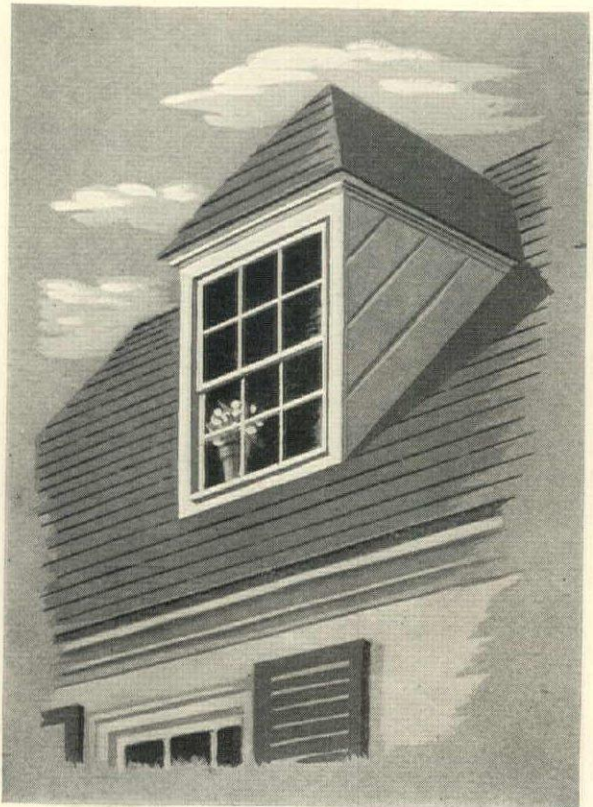
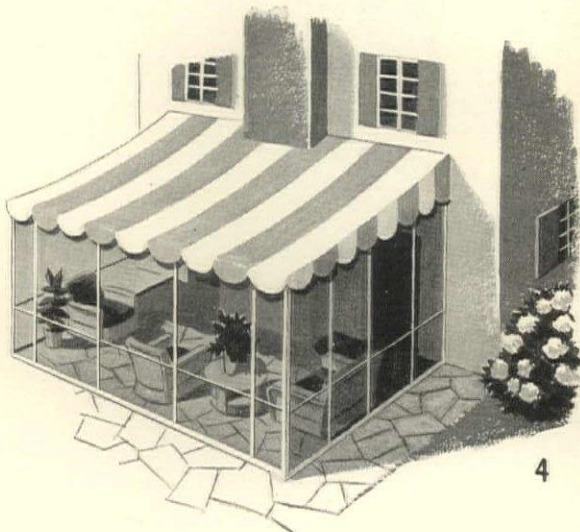
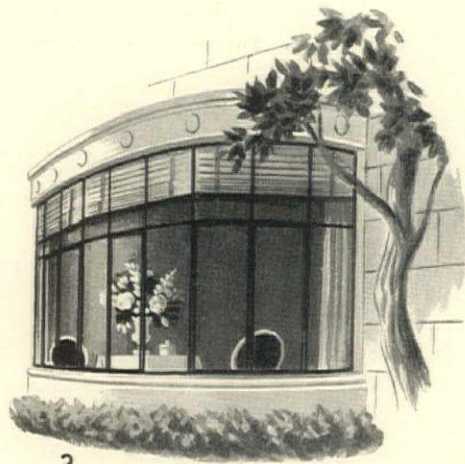
1. This interesting modern composition was developed by using four units of a stock pattern aluminum-framed window.

2. The attractiveness of this corner window is enhanced, from both within and without, by the narrow metal members.

3. Bays of any size or shape may be created by multiple use of stock sash units, providing added light and space. Fenestra.

4. The problem of screening a section of a terrace is easily solved with a light steel frame and canvas awning. Chamberlin.

5. The efficiency of modern windows may be enjoyed in even such meticulously traditional types as this dormer window here.





The living room of the modernized "Pink Hill Top" (see page 12) keeps the original low ceiling

EMELIE DANIELSON



The windows of the living room have been replaced by French doors. The fireplace is of antique pine

INTERIORS

WALLS · WALL COVERINGS · WOOD PANELING · FLOORS · DOORS, FIREPLACES & TRIM

INTERIOR modernization may imply structural remodeling, redecoration only, or a combination of both. Thanks to modern materials—many of which are applied in large sheets which cover all defects—considerable changes in the interior arrangement and decoration of the house may be carried through in quite a short time and at comparatively small expense.

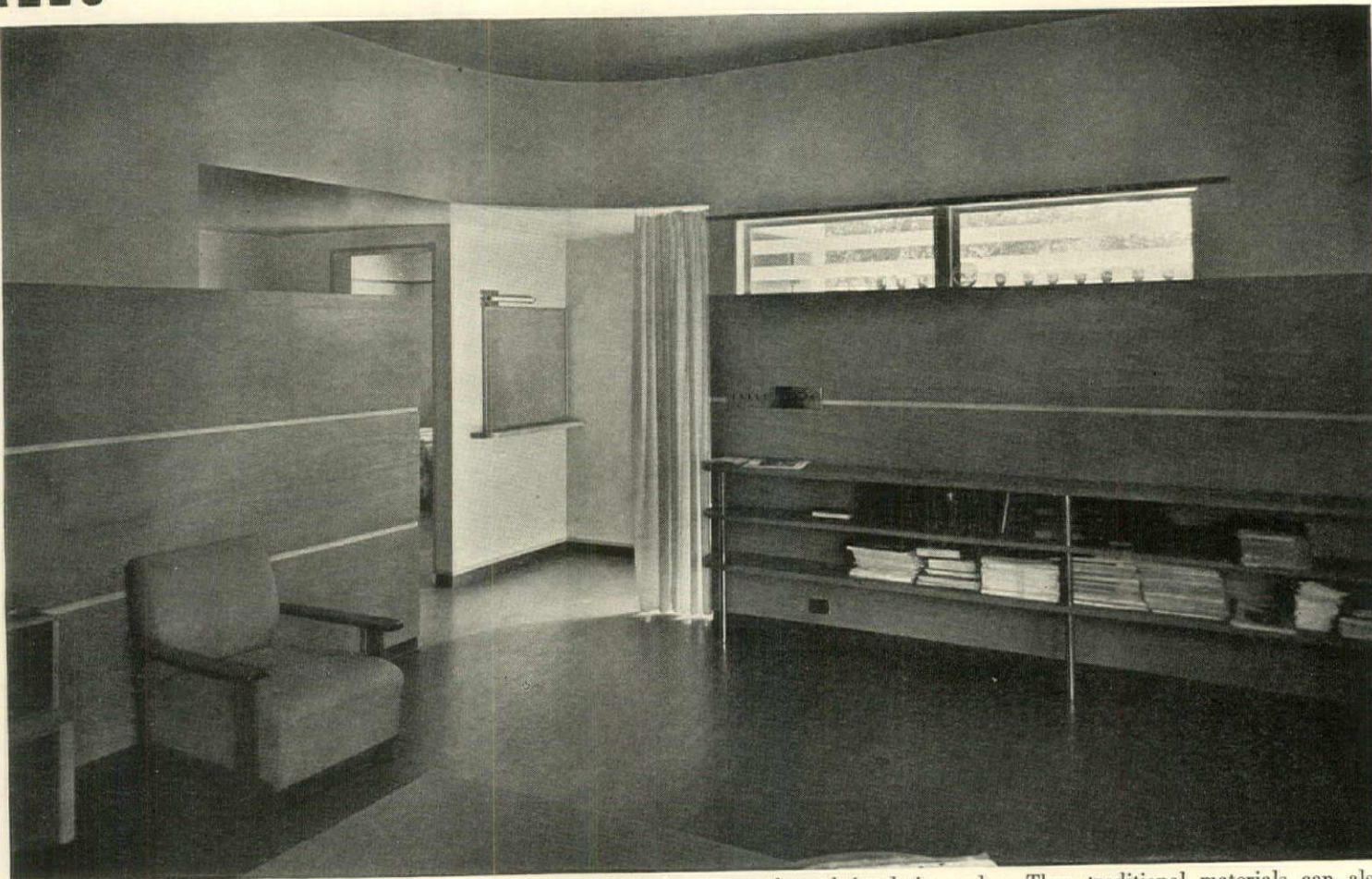
Structural remodeling is particularly well worthwhile when it will enable you to make an old house conform more nearly to modern ideas of convenient planning, large rooms, many baths and adequate sunlight. Such changes not only increase the value of your house, they also make it a more livable home. The needs of a family are constantly changing; babies grow up and need separate rooms, the children leave home and marry, fathers retire from business and mothers begin to appreciate the less essential comforts. The house which adequately fulfilled all the needs of the family twenty years ago is now found to be inconvenient, wastefully planned and shabby.

In many cases structural remodeling will not be essential, but a comprehensive scheme of redecoration will work wonders. For nothing does so much to brighten up an old house as a new finish. This applies most forcefully to the middle-aged house which is structurally sound, but has lost the bloom of youth without achieving the dignity of old age. But modern science has provided a wide variety of face-lifting materials, some of which you will find illustrated on the following pages. All can be put to decorative use, and many also have good structural and insulation value, which is of obvious importance in the modernization of old houses.

Most of these finishes can be successfully applied without excessive work and expense. All form a sound base for any scheme of decoration which may subsequently be decided upon. Repairs and alterations—excluding only portable objects—may be financed by an FHA-insured loan, as described in the authoritative article on page 7. An investment such as this not only increases value, but also provides more gracious living.

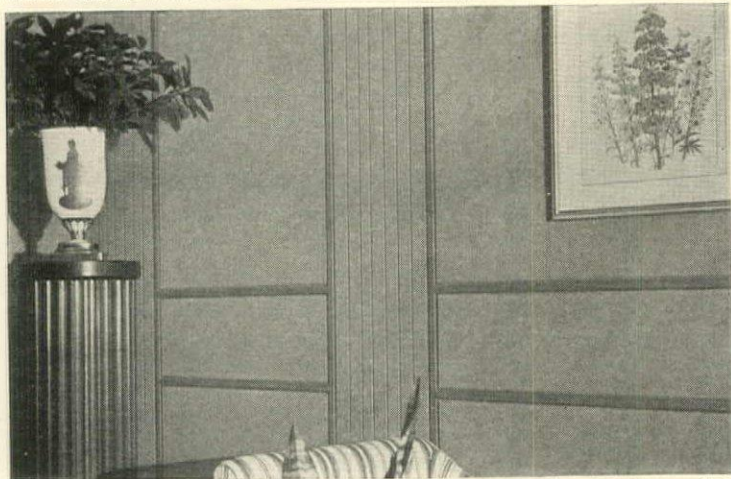
WALLS

INTERIOR

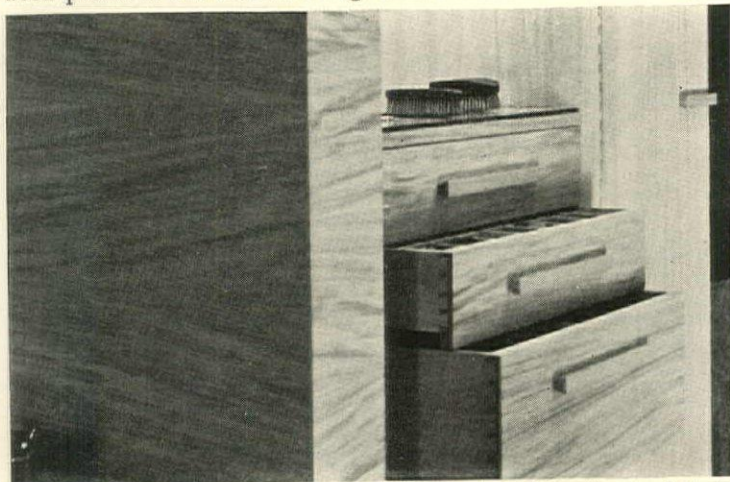


In modernization work new wall coverings can be effectively used to conceal a multitude of small defects. New composition boards, which can now be had in such wide variety, have the further advan-

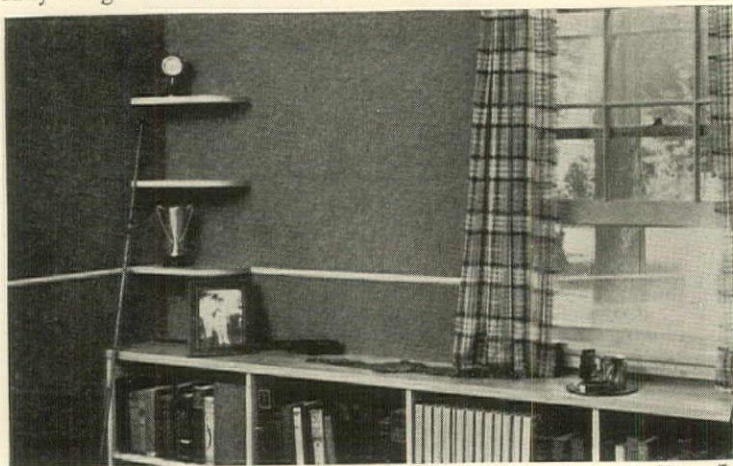
tage of good insulation value. Then traditional materials can also be applied in new ways, as demonstrated by the fine horizontal wood panels in this modern living room above. Kem Weber, designer



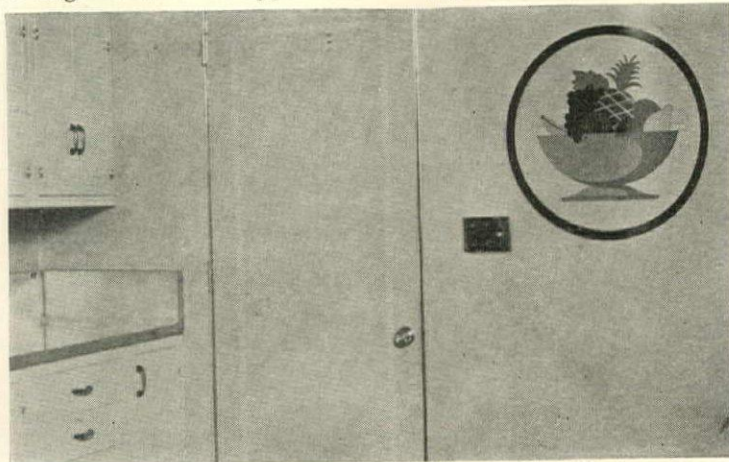
The narrow strips of wood or metal which are frequently used to conceal the joints between sheets of fiber board look best when carefully designed to enhance the decorative scheme of a room. Celotex



Today you can indulge your desire for lavish surfaces of finely figured wood. Veneers like this are no longer too costly and come in large sheets to be applied like wallpaper. E. Bissantz, architect

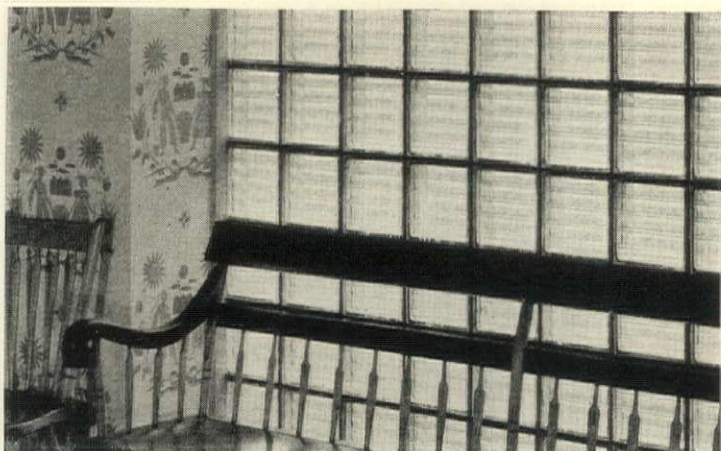


The material used on these walls is compressed wood fiber. It has a hard surface and will take any of the finishes usually applied to wood. William Wilde, architect; Sylvia Wilde, associate designer



Linoleum applied to old walls will have an immediately rejuvenating effect. It is tough and washable, and colored insets now allow for the fullest indulgence of your own decorative notions. Armstrong

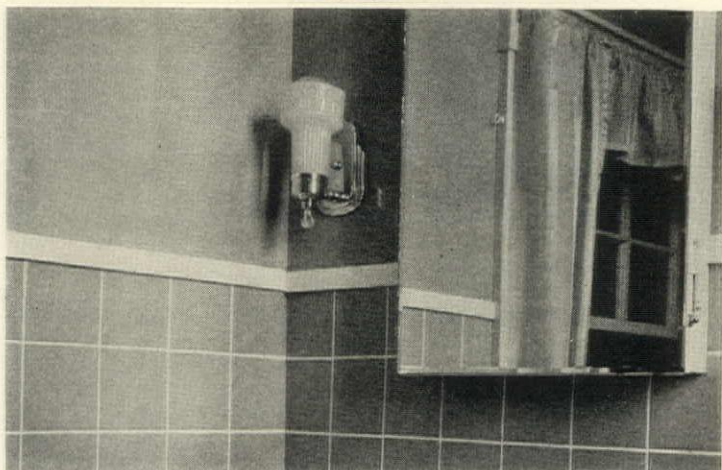
WALLS INTERIOR



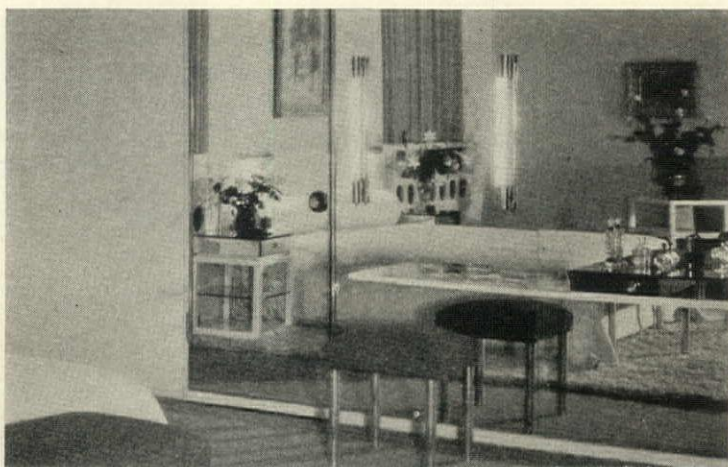
To bring sunlight into a dark room a portion of the wall may be removed and the space filled with modern glass brick. This material was used (above) in a child's playroom. C. F. Cellarius, architect



Wood fiber board is now made to simulate random-width wood paneling. It has good sound absorption, fine insulation value, and beadings which disguise joints between the boards. Wood Conversion Co.



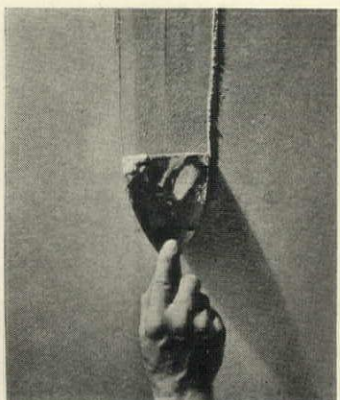
Wood fiber board can also be obtained with a lustrous surface simulating tile. This material needs no finishing, and it can be easily cut and applied to cover unbecoming wall surfaces. Johns-Manville



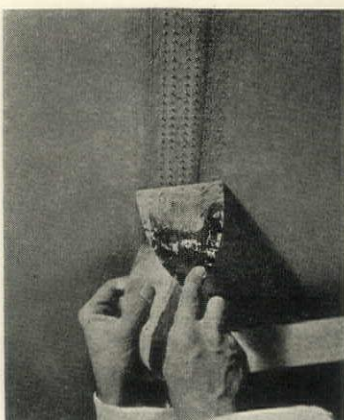
For enlarging the appearance of a small room, or for reflecting the magnificence of a large one, a wall of mirror glass is invaluable. It may be plain or softly tinted. P. Goodman, architect



A. This fireproof wallboard, available in large lightweight sheets is first nailed to studs



B. The recessed edges of the sheets form a channel which is filled with special cement



C. Then a perforated fiber tape with chamfered edges is embedded in the wet cement



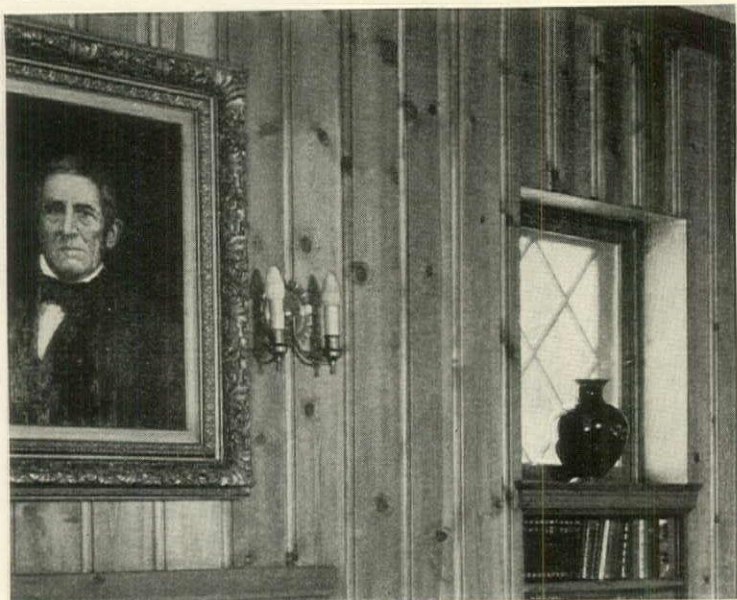
D. The cement is sandpapered, leaving a smooth surface for your decoration. U. S. Gypsum



The large window areas popularized by modern architecture suggest to the modernizer yet one more form of wall improvement—more windows. Nature will be prodigal with her decoration. General Bronze

WOOD PANELING

INTERIOR



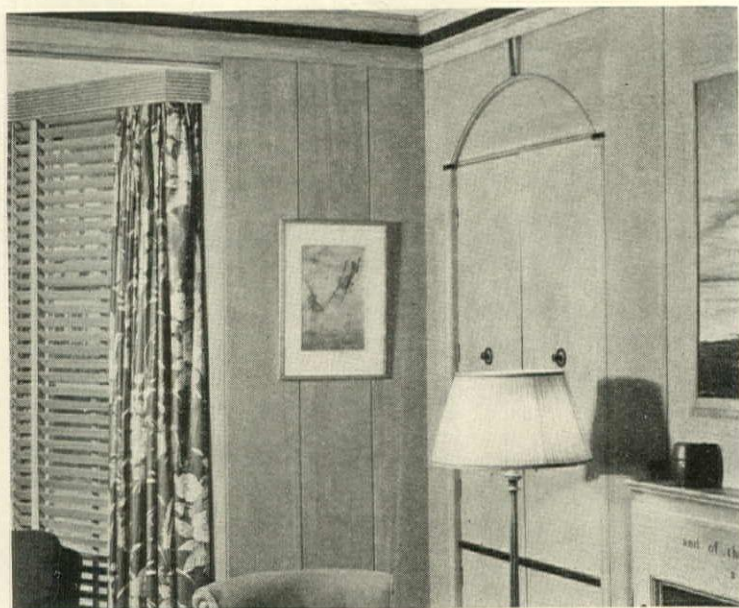
Knotty white pine, in its natural light color, is one of the most popular and economical woods for solid paneling. Here the joints are marked by a traditional type of beading. Van Pelt & Lind, architects



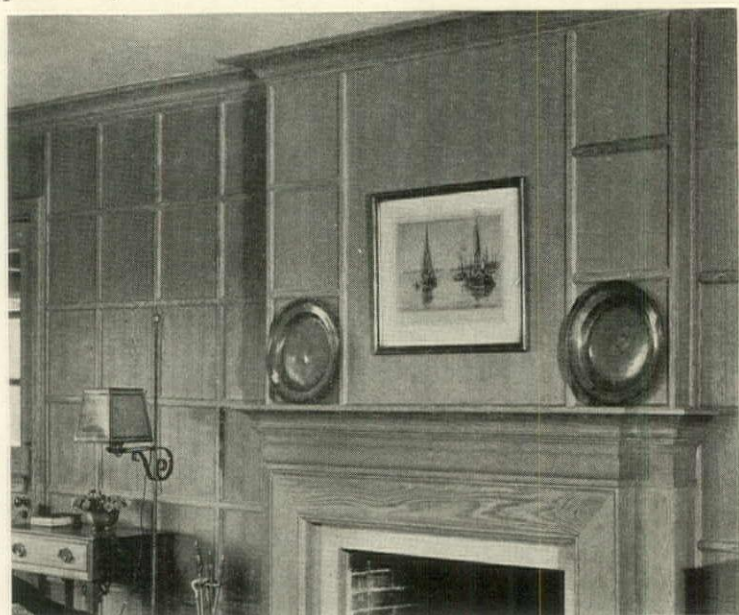
Pine paneling laid horizontally gives a spacious and sturdy effect, especially when wide boards and shallow beading are used. It is an excellent soft-toned background for works of art. Arkansas Soft Pine



To preserve the wood and bring out its full richness of grain, an oil finish is very satisfactory. The rose-brown color of redwood responds particularly well to such treatment. California Redwood Association



Light pine boards, with simple V joints, gain sophistication from ebonized trim and provide a foil for richly colored chintz curtains in the bay window. White & Weber, architects; A. D. Kelly, decorator



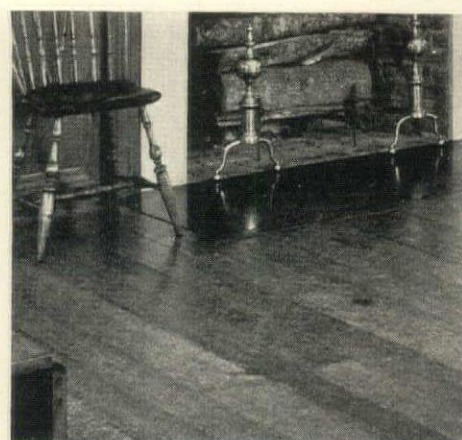
Plywood and thin wood veneer (applied like wallpaper) are often used to simulate solid wood paneling. Here a traditional English effect is economically achieved by the skillful use of battens. U. S. Plywood



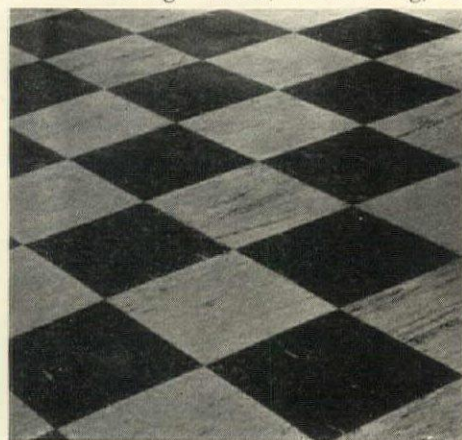
Modern architects obtain new and spacious effects by abandoning tradition altogether. Wide, vertical grain boards of Douglas fir are stained light cinnamon color in this room. Gardner Dailey, architect

FLOORS

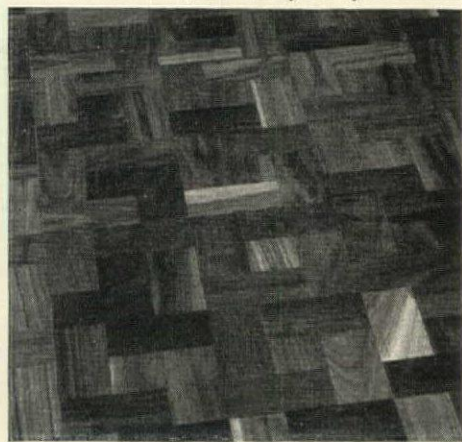
INTERIOR



Random-width plank floors impart an air of traditional charm to any home. Here is one from Raleigh Tavern, Williamsburg, Va.



Rubber tile, in black and white squares, is long-wearing and distinguished. White & Weber, architects; A. Dudley Kelly, decorator



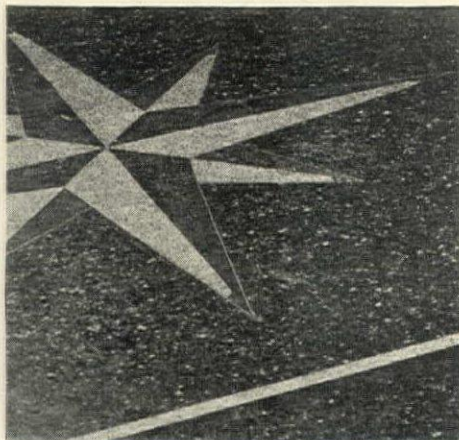
This factory-finished parquet floor comes in flexible sheets 2 ft. by 6 ft. They are laid with adhesive over felt. Wood-Mosaic

Not only do floors play an important rôle in the decoration of your home; they also affect its life span. For example, in the en-

trance hall it is most important to use some tough and easily cleaned material such as this attractive and decorative inlaid linoleum



A raised mesh of unglazed lines on these floor tiles effectively prevents any danger of wet feet slipping. Tile Mfrs. Association



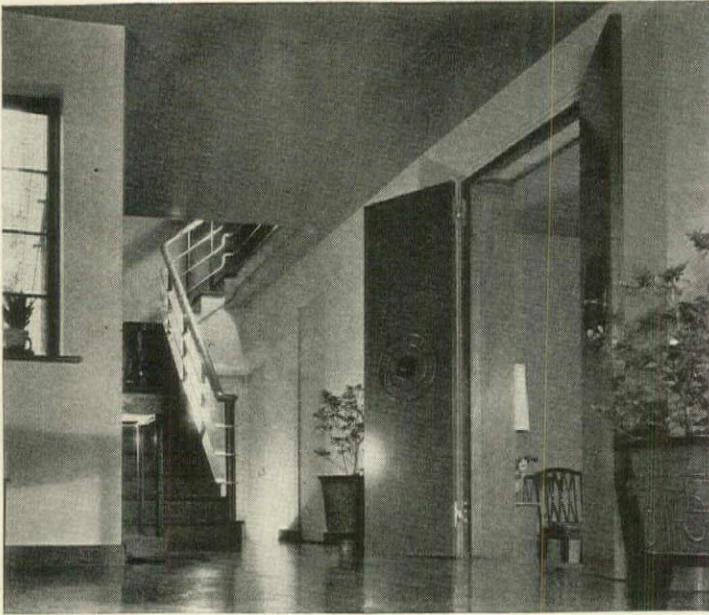
Cement is one of the hardest wearing of all paving materials. Color and design are worked out to your own taste. Robertson Co.



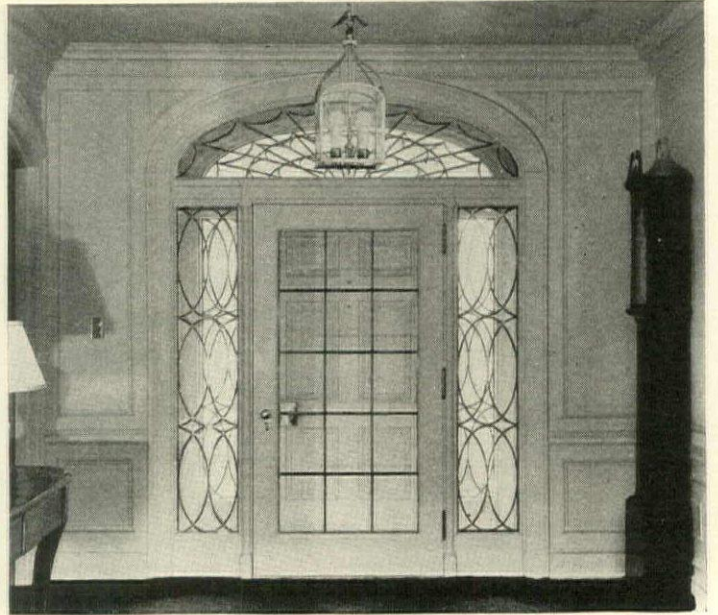
Beveled edges on this block floor conceal any slight irregularities in alignment caused by an uneven sub-floor. E. L. Bruce

DOORS & TRIM

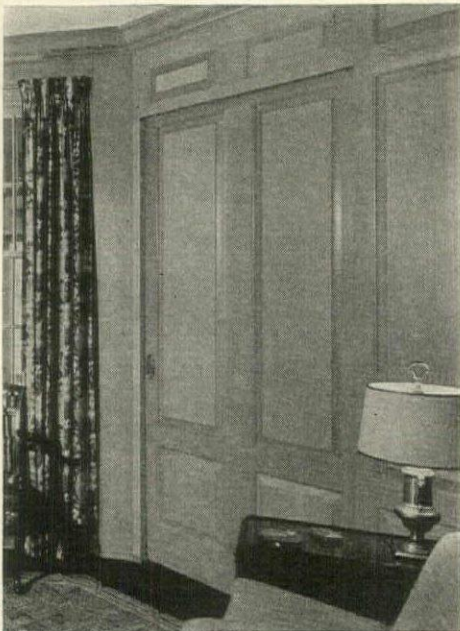
INTERIOR



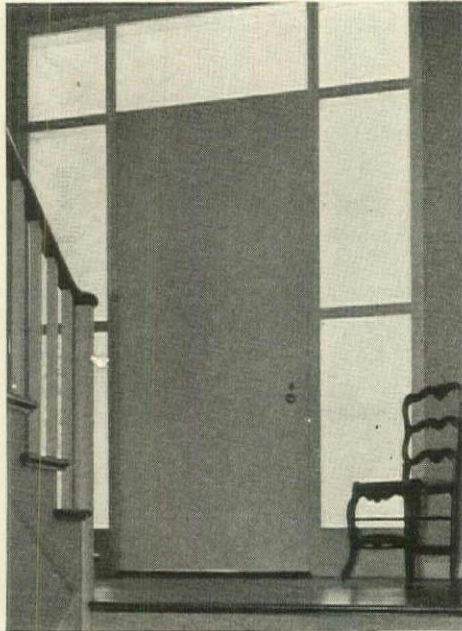
The entrance hall of a large house may justifiably give an effect of magnificence. In this case it is achieved by dark and very high flush doors with large round bosses in the center of each



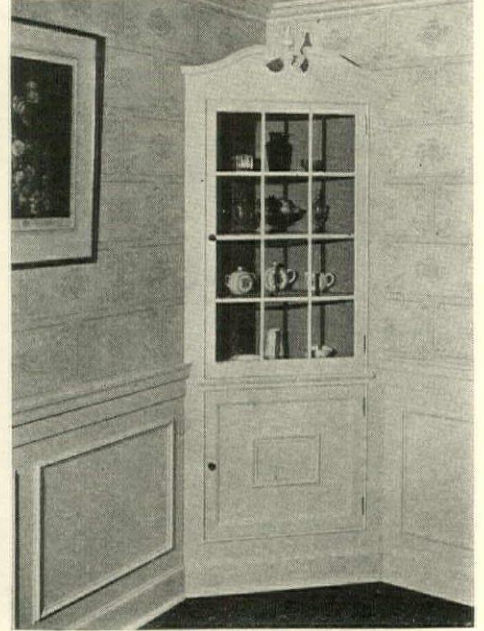
Double doors are essential where winters are severe; but even in more temperate climates they show a saving in fuel bills. Sidelights insure a well-lighted hall, Charles F. Cellarius, architect



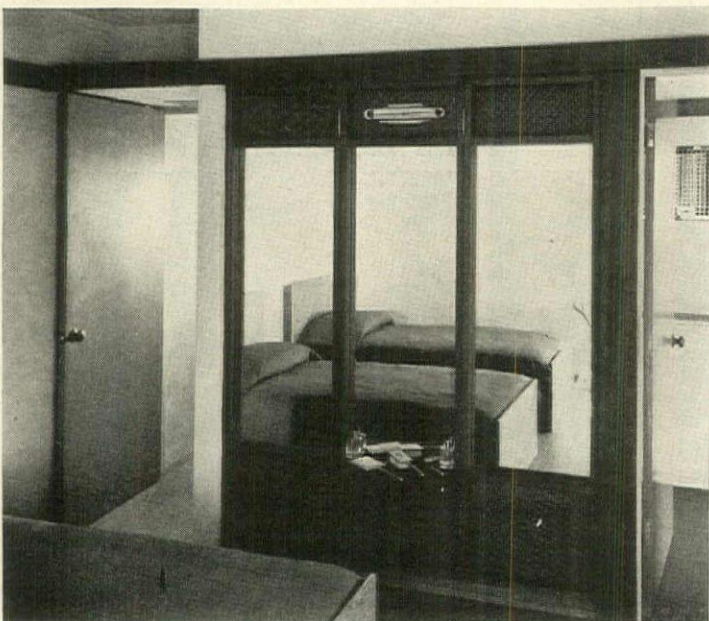
A bar is concealed behind this sliding door which merges so unobtrusively into the adjoining paneling. J. Eppenstein, architect



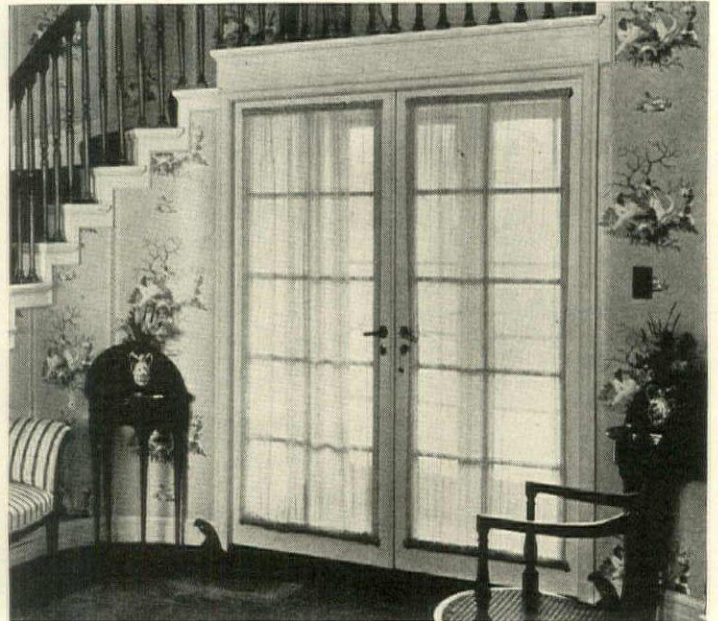
A most interesting treatment of a modern entrance. The flush door is surrounded by reeded glass panels. W. W. Wurster, architect



A corner cupboard will lend richness to both Colonial and 18th Century rooms. This stock design is easily installed. Curtis



The two outer sections of this mirror are closet doors with metal grilles top and bottom for ventilation. The center panel is fixed and has a shelf for toilet articles. H. H. Harris, designer



The simple line of these glazed doors (softened by the sheer glass curtains) is agreeably contrasted with the curve of the stairs which rise to the small landing above. Miss Shotter Inc., decorator

FIREPLACES & TRIM

INTERIOR



COSTAIN

Wood paneling, deep chairs and an open fire are usually the chief ingredients of a comfortable library. As the central interest of the room, the fireplace merits delicate detail. W. Irvin, architect



This simple modern fireplace depends for its richness of effect on mirror glass and polished stone. The straightforward screen is individualized by a monogram in the corner. G. Black, architect



HEDRICH

For a formal 18th Century living room the fireplace may be developed into a more imposing feature by framing the space above it with carefully selected, matching trim. R. E. Stoetzel, architect

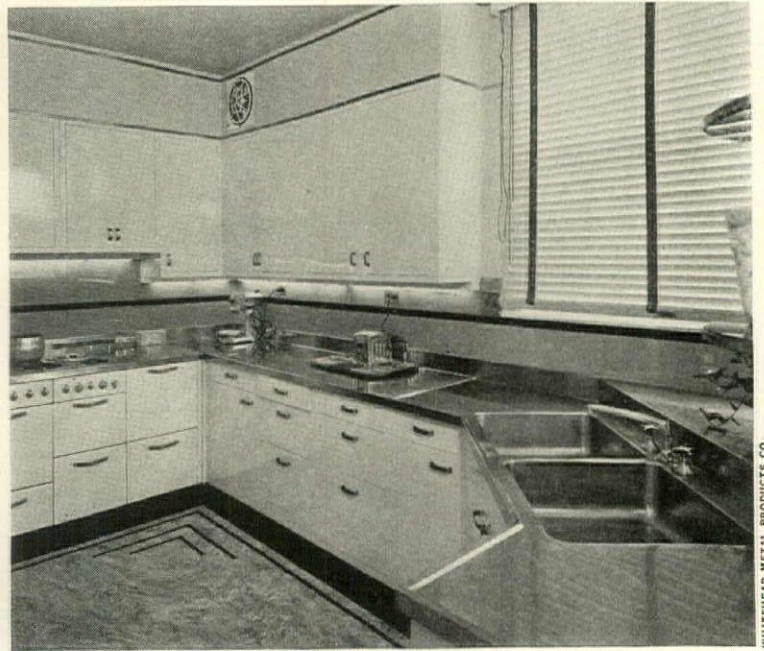


In all rooms the design of fireplace and trim should be in complete harmony. Often, as here, the mantel moulding will be a modified version of that on the cornice. D. J. Abrahams, architect

BEFORE

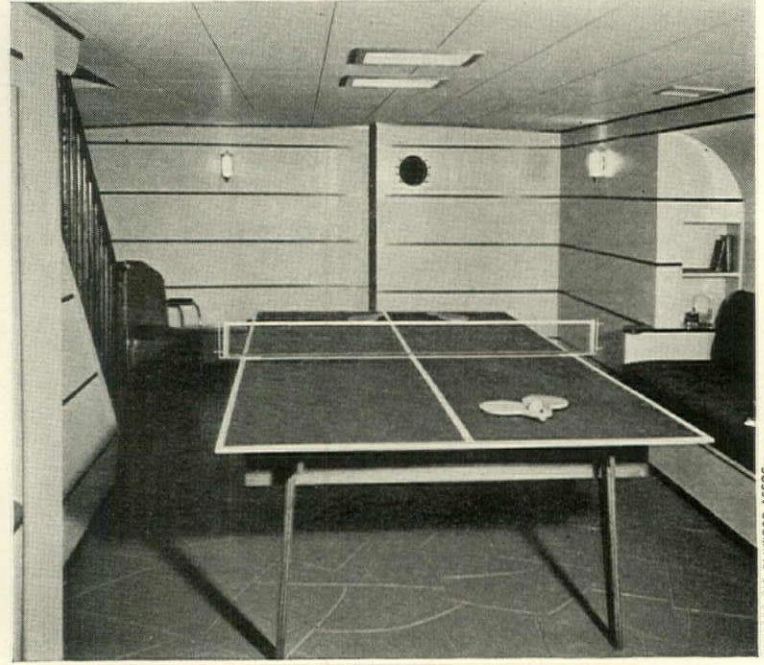


AFTER



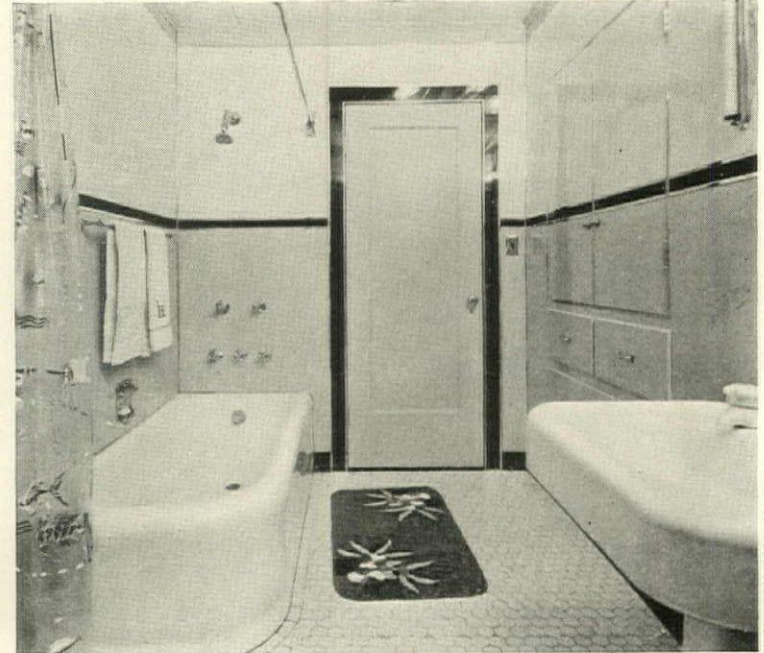
WHITEHEAD METAL PRODUCTS CO.

Even the most antiquated kitchen becomes an exciting work center with new equipment and furnishings



DOUGLAS FIR PLYWOOD ASSOC.

An obsolete cellar is transformed by a modernized heating system; new materials add the finishing touches



MARSH WALL PRODUCTS INC.

A dated bathroom develops a contemporary look when wall coverings, trim and fixtures are new and shiny

EQUIPMENT

BATHROOMS · HEATING · INSULATION · HARDWARE · KITCHEN PLANNING & STORAGE

WHATEVER may be an individual's predilections in matters of architectural styles or interior decoration, he is usually unwilling to accept anything less than modern standards of comfort, convenience and efficiency in the mechanical equipment and operation of his home. The charm of his Georgian living room will be the more enjoyable because of the silent unobtrusive devices which maintain it at a constant comfortable temperature. His wife may be justly proud of her old glass and china, but she wants no heirlooms in the kitchen. The entire management and economy of the present-day home is predicated upon the efficient functioning of modern equipment.

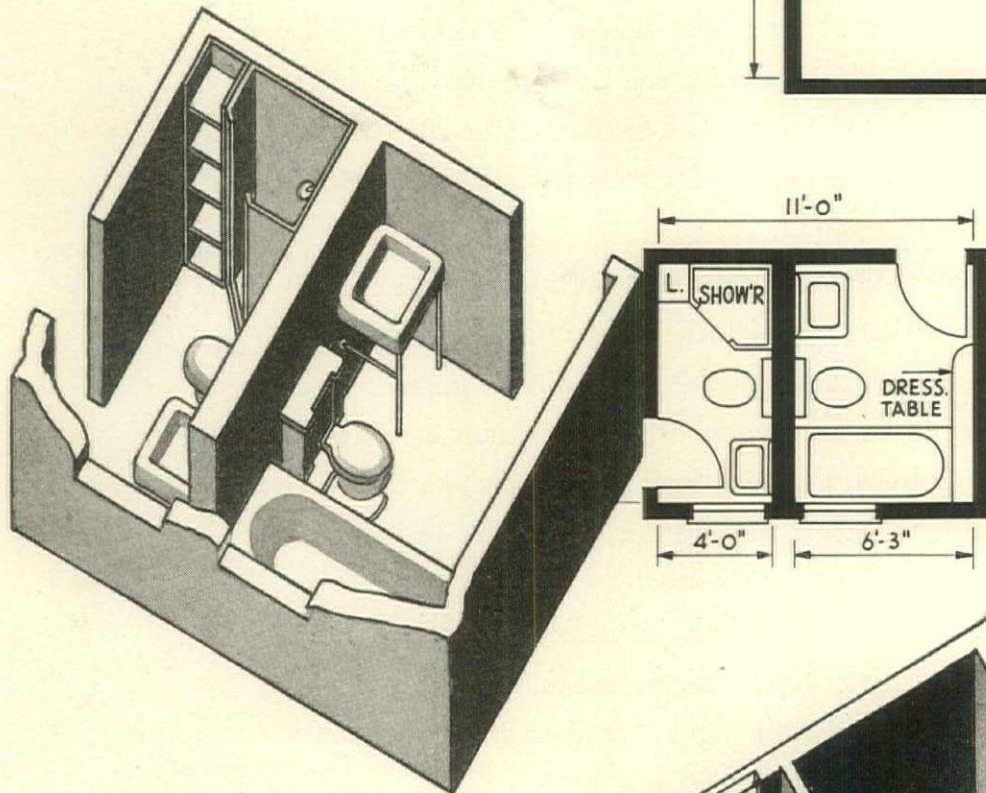
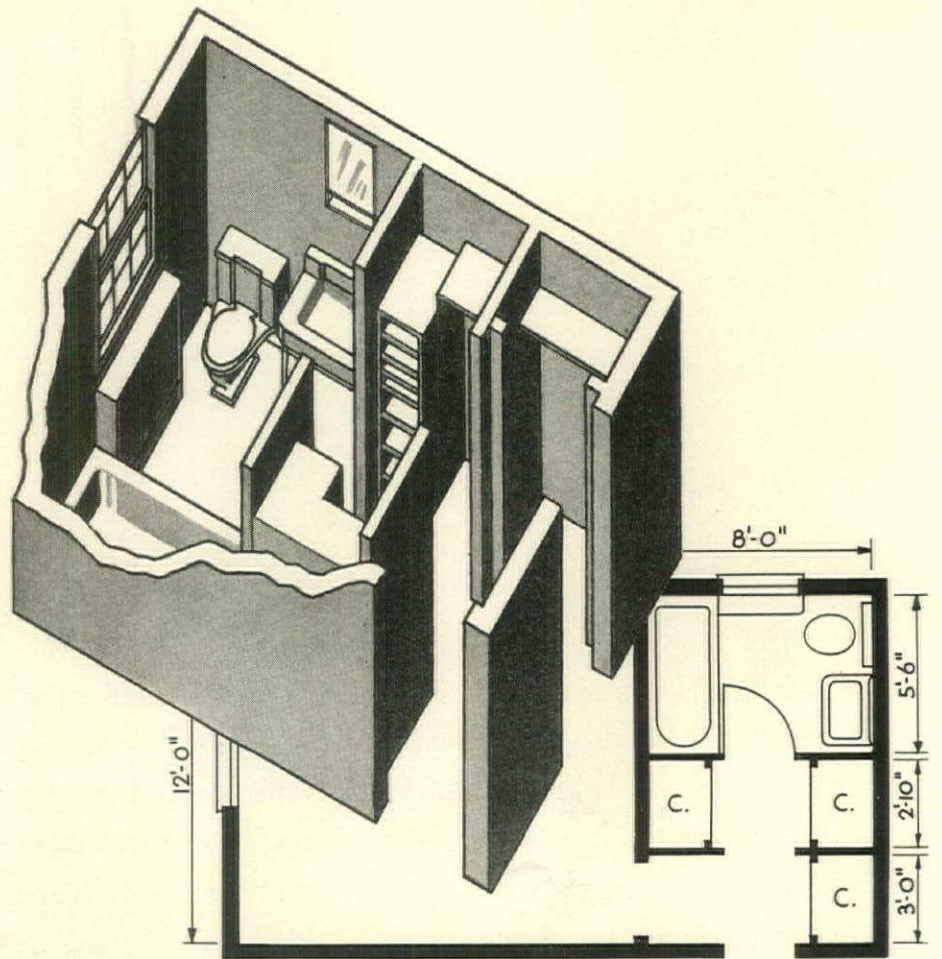
Therefore it seems to us that this final section of our Modernization Portfolio is especially deserving of serious consideration. If you are buying an old house it is probable that the modernization of the mechanical equipment will seem an obvious essential. But in the case of those who are planning to refurbish a home in which they have long lived, the need may not be so apparent. Certainly, where paint is beginning to fail on the exterior, or plaster to crack on the interior, these conditions will properly be remedied. Perhaps redecorating will claim their attention—if only for the entirely justifiable sake of a change. But we would suggest that one further step be taken, and that all the mechanical equipment of the home be appraised in the light of modern standards of performance and economy.

For it is comparatively easy to become accustomed to familiar inconveniences and to be blind to the progress which has made them as unnecessary as they are wasteful of our time and energy. Similarly we endure minor or major discomforts from habit. And in every case we may be paying good money for these doubtful privileges because of the inefficient and costly operation of clumsy or worn-out equipment. Therefore we commend the following pages of this Portfolio—and, in a broader sense, all of the remarkable advances that have been made in home equipment—alike to the builders of new homes, the buyers of old ones, and to all who are interested in the sensible maintenance and improvement of the home they own.

BATHROOMS

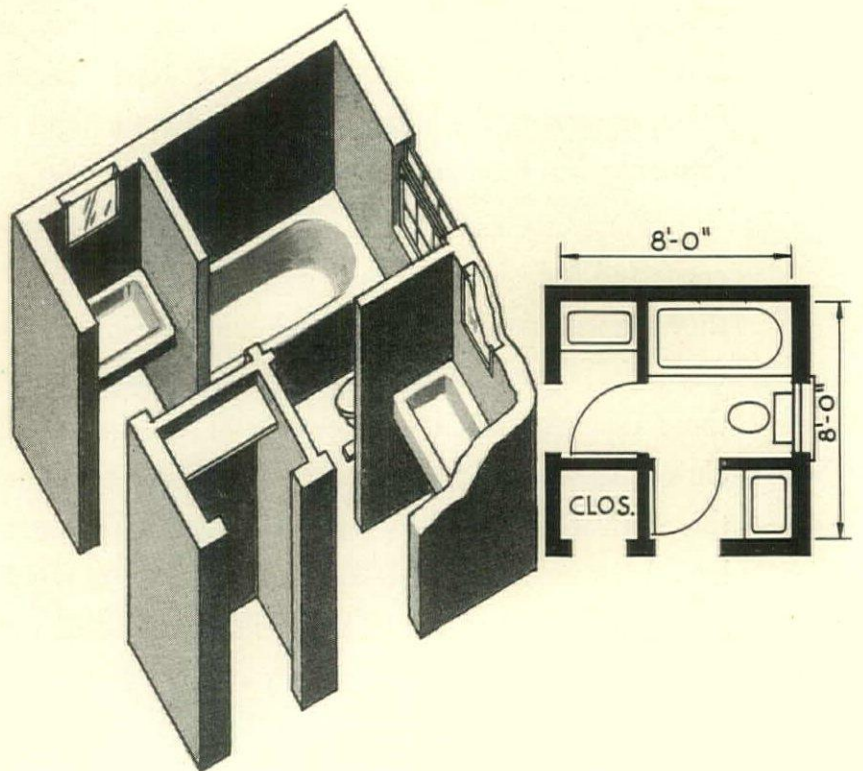
EQUIPMENT

SIMPLE ADDITION of a bathroom and some dressing closets changes an old-fashioned bedroom into a comfortable master's suite. At the right two sets of carefully planned shelves and cabinets for different types of clothing provide convenient storage space. The closet by the hall door is for heavy clothes and week-end luggage



DIVISION of one large bathroom into two separate baths solves a difficult problem in remodeling. The ready-built corner shower unit is an important space-saving feature as are the built-in linen shelves. All the plumbing fixtures for the two baths are located on one wall for economy in plumbing connections

MULTIPLICATION of bathroom facilities is particularly desirable when it is impossible to provide more than one bath in a house. With the two wash basins and separate compartments in this ingenious plan it is possible for two or three people to use the bath at the same time without interference. Closet could be used for linen



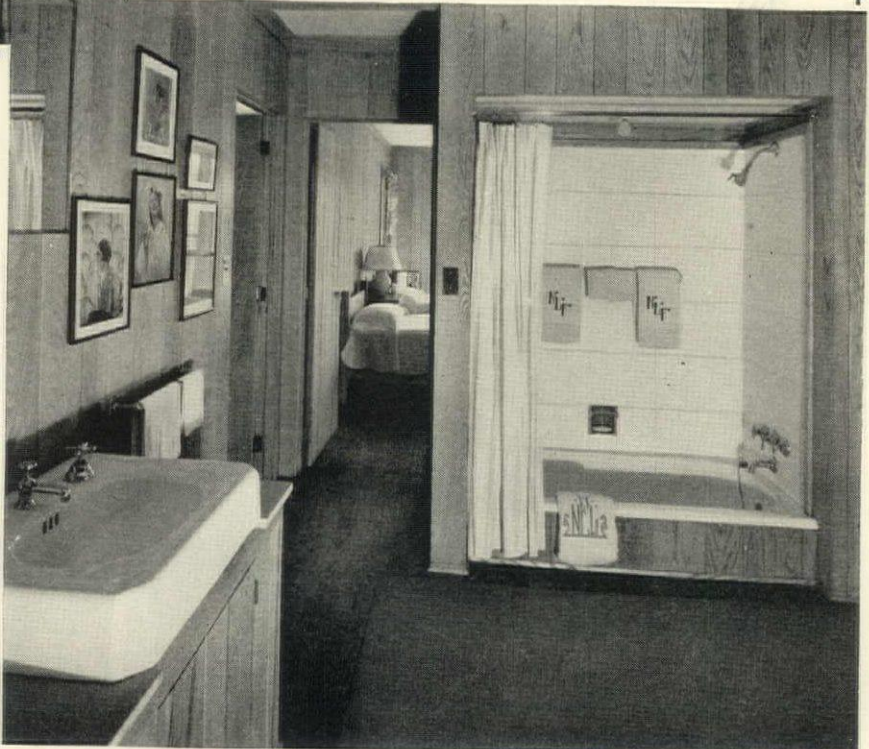
BATHROOMS EQUIPMENT



1

NYHOLM

3



COSTAIN



2

4

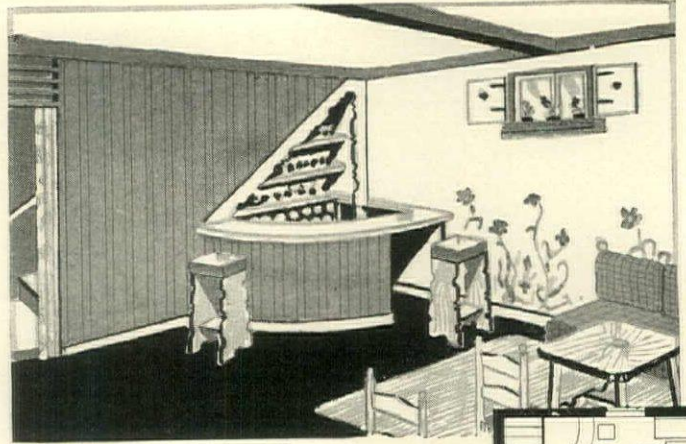
1. Glass and mirrors combine to strike the decorative theme of this spacious bathroom. Two stylized swans delicately etched on the glass back-panel are reflected in mirrors at each end of tub recess
2. With the ceiling as well as the floor and walls finished in dappled linoleum, this modern bathroom is decorative, easy to clean, and unaffected by steam and moisture. Charles F. Cellarius, architect
3. Plain unbroken tile walls give scale and simplicity to this small bathroom. Location of the three fixtures on one wall is convenient and makes for economical installation. G. Black, architect
4. The pleasant texture and color of vertical wood sheathing has been used here to create a bathroom which maintains the decorative note prevailing throughout the house. Frantz & Spence, architects

HEATING

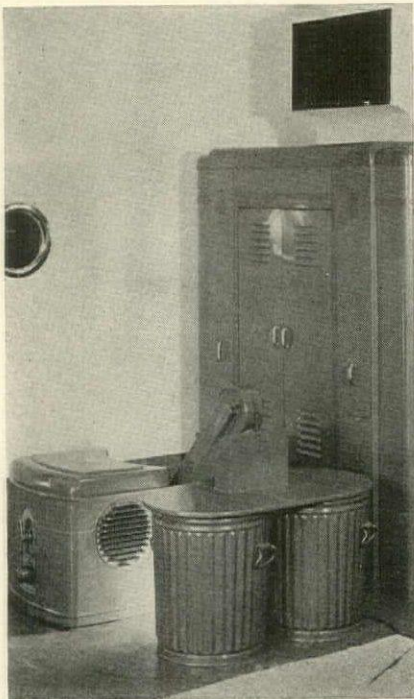
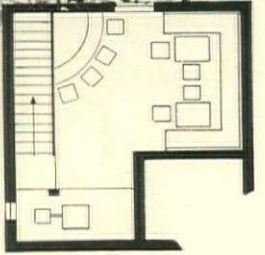
EQUIPMENT

During the last few years the design of heating equipment has been greatly improved in efficiency, convenience and adaptability. Consequently in many houses (including the not-so-old) the existing equipment is outmoded, and one of the first steps in modernization is to bring it up to present standards.

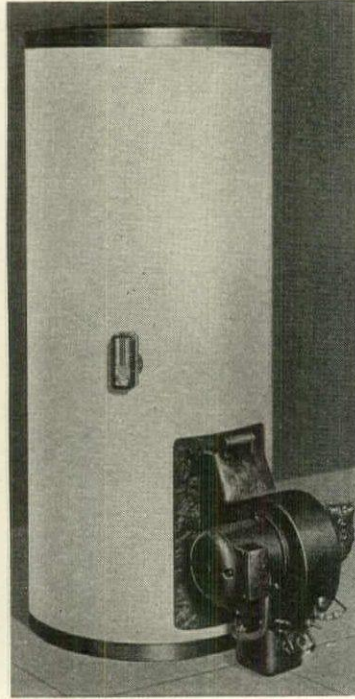
Much of the waste and inconvenience of old equipment lies in the basement, which is smothered in dirt as the result of hand-stoking. Automatic firing will not only save labor but, by removing the source of dirt, will reclaim this basement area for useful living space. House & Garden suggests on these two pages some ideas for handling this new-found room.



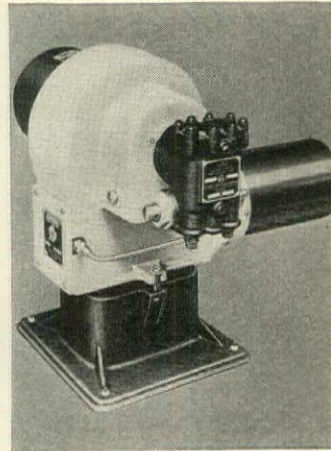
For those who appreciate informal entertainment, the angle under the basement stairs might be fitted as a small bar



This new automatic coal-burner will stoke your present furnace without dirt or attention. Iron Fireman



An oil-burning water heater is easily installed and efficiently replaces an old furnace. Fluid Heat



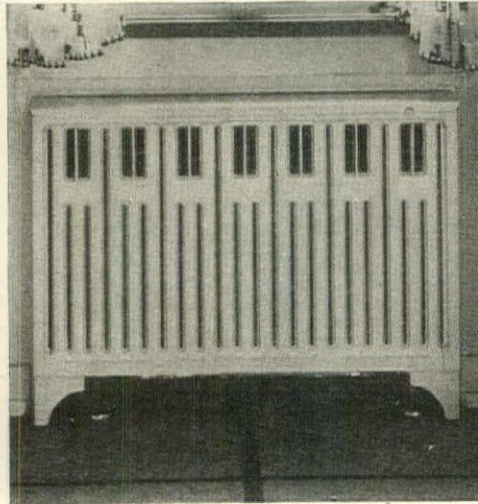
A conversion oil burner will take stoking problems off your hands. American Radiator Co.



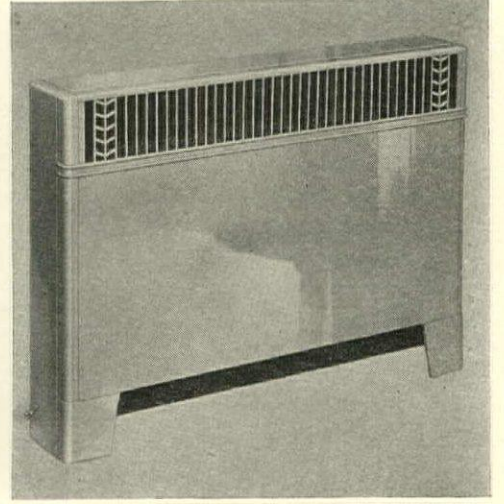
This oil burner can be easily adapted to fit almost any type of furnace. General Electric Co.



A self-contained air-conditioning cabinet such as this may be used in any room where there is an electric outlet. Delco-Frigidaire

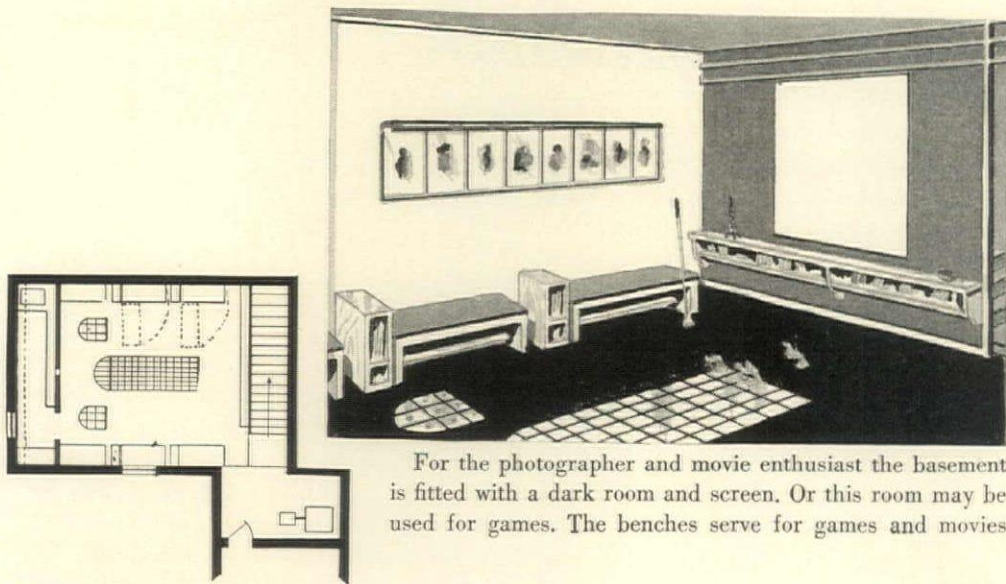


This special type of radiator supplies both convected and direct radiant heat, yet the whole unit is quite shallow. Weil-McLain

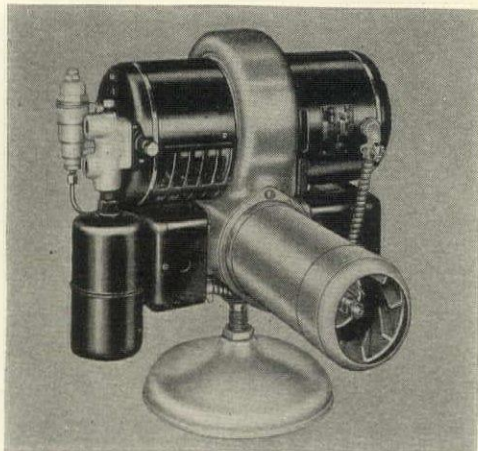


A convactor cabinet may be installed in the thickness of the wall beneath a window, with only an outlet grille visible. Modine

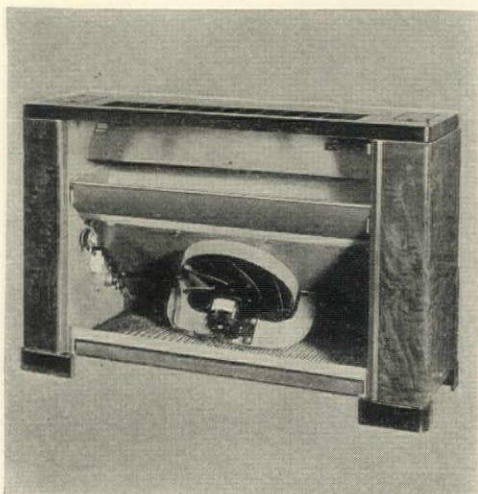
HEATING EQUIPMENT



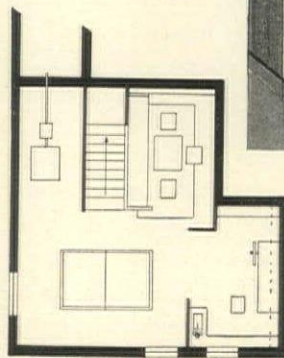
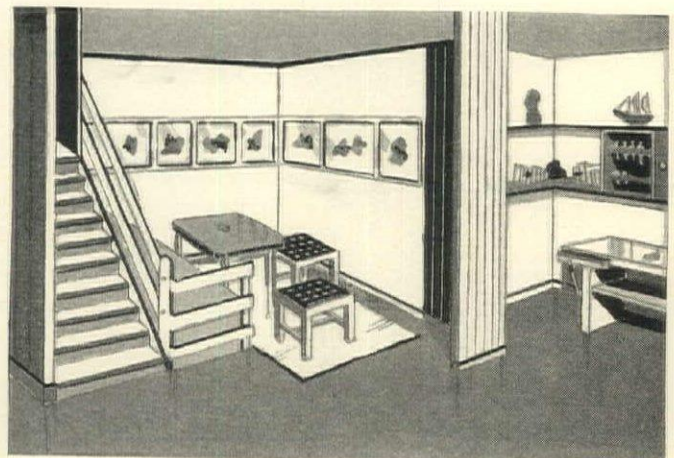
For the photographer and movie enthusiast the basement is fitted with a dark room and screen. Or this room may be used for games. The benches serve for games and movies



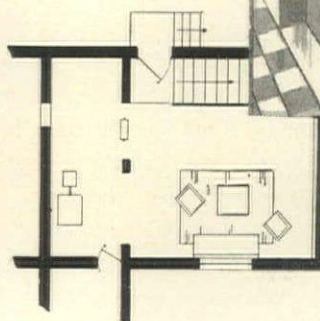
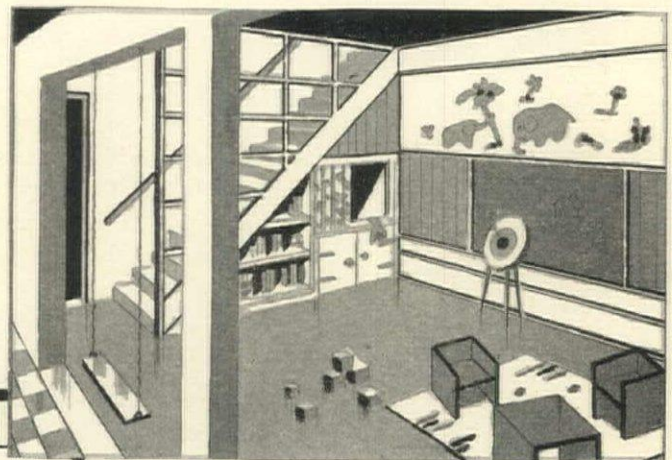
The dirtless operation of a modern oil burner makes it possible to convert your basement space into a useful room. Gilbarco



This winter air-conditioning unit (shown with front removed) will heat, filter, circulate, and also humidify the air. Burnham



A triple purpose basement. There is a carpenter shop and ping-pong table, also a large corner for card games or quiet study. An automatic stoker removes furnace dirt

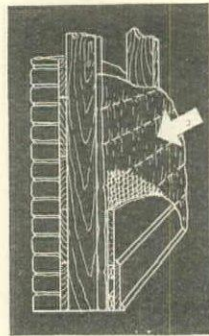


What to do with the children on a rainy day is no longer a problem when you own a well-equipped indoor playground like this with swing and playhouse

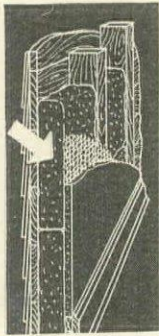
INSULATION

EQUIPMENT

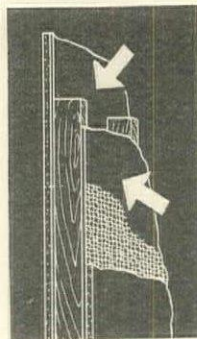
LACK of effective insulation means serious loss of the potential efficiency of a new heating system. Where air-conditioning is involved, insulation is a basic requirement. Certainly, the desirability of insulation in a home is self-evident; and the further one investigates the resulting benefits, the more one is convinced that insulation is actually a prime essential of modern home construction. In the diagrammatic sections shown below, we illustrate the various types of insulating materials available for homes.



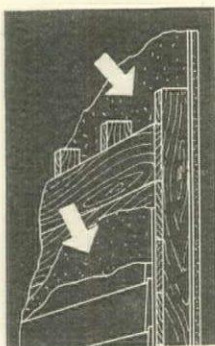
QUILT type insulation consists of a fibrous mat of wood fibre, eel grass or similar material covered with a heavy paper or fabric which secures the material in place. As shown in this illustration, it may be nailed to the face of the studs, before the lath or plaster base is applied, but in this application it is adaptable primarily to new construction. Another way of applying this type of material, which adapts it to many remodeling needs, is shown in the illustration at the bottom of this page.



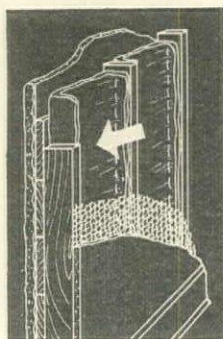
WALL-THICK insulation, filling the entire space between inner and outer walls, is of two general types. The bat type, shown here, is in block (or roll) form and fits snugly in between the studs. It is convenient for use in new construction. The fill type is a loose, often granular, material which may be injected into the walls of existing structures. Rock wool, glass wool and creped cellulose are the materials chiefly used in manufacturing both fill and bat type insulation.



BOARD type insulation, as the name implies, is made of rigid panels fabricated of cane fibre, wood fibre, magnesite, cork, etc. Our drawing shows two applications, one on the outer wall and another on the inner face of the studs. As with all insulation, a layer of asphalt-impregnated paper should be placed between the insulation and the plaster (or other wall covering) as a vapor barrier. Board insulation, because of its structural strength, has many modernization applications.



BOARD insulation may also be applied between sheathing and siding, on the outer wall, or as a plaster base for the interior wall. Some boards are made with a surface of reflective metal insulation (usually aluminum), although such metal foil is often used as an independent insulating material. In this application the sheets of reflective foil are fixed to the studs midway between inner and outer wall. In this dead-air space they create an effective barrier to the passage of heat.

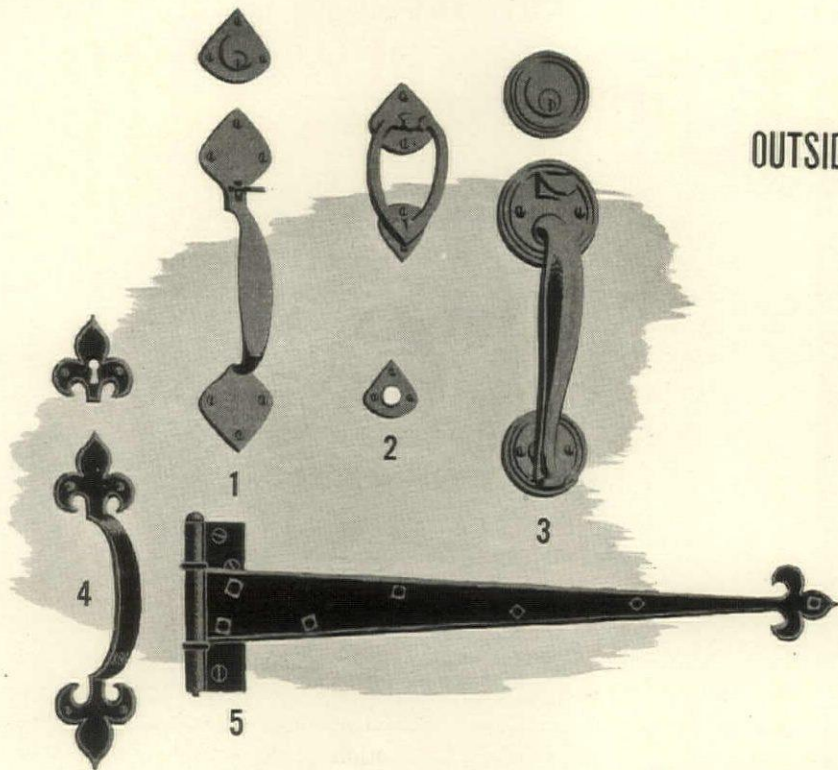


QUILT insulation may be applied between the studs, as shown here, where new construction is involved. In existing homes it is valuable for application between supporting members of the roof, or between the exposed joists above the second floor ceiling. Although our illustrations show only wall sections, all types illustrated may be applied with equal ease to attic insulation. Treatment of the attic alone is effective, but insulation of all exterior surfaces is recommended.

OUTSIDE

Hardware for the exterior of the house must be above all things durable and sturdy

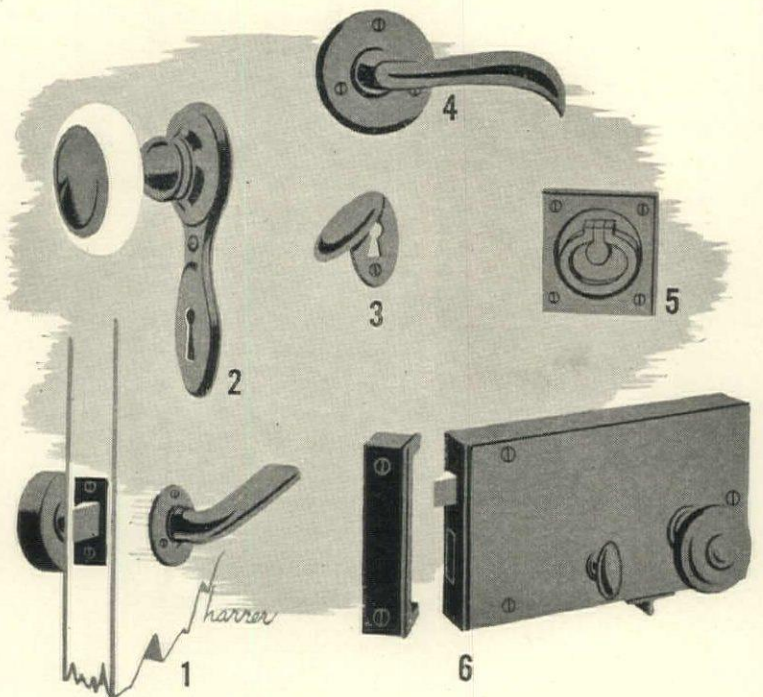
1 and 2. Some items from a carefully matched set which helps to make the choice of hardware for every door in the house a less lengthy and complicated proceeding. Corbin.
3. A sturdy handle for heavy doors. Yale.
4 and 5. Strong and good-looking, this low-cost hardware of black wrought iron is fashioned after the traditional patterns. Stanley.



Whatever form of hardware you use within the house must be efficient and unobtrusive

1. For modern interiors there is a good combination of lever and round handle. Corbin.
2. Handle and key plate are in one piece, fixed by a single screw. The plastic knob comes in seven different colors. Lockwood.
3 and 4. Lever set for French doors. Yale.
5. Compact flush latch. Russell & Erwin.
6. A box lock for Georgian rooms. Sargent.

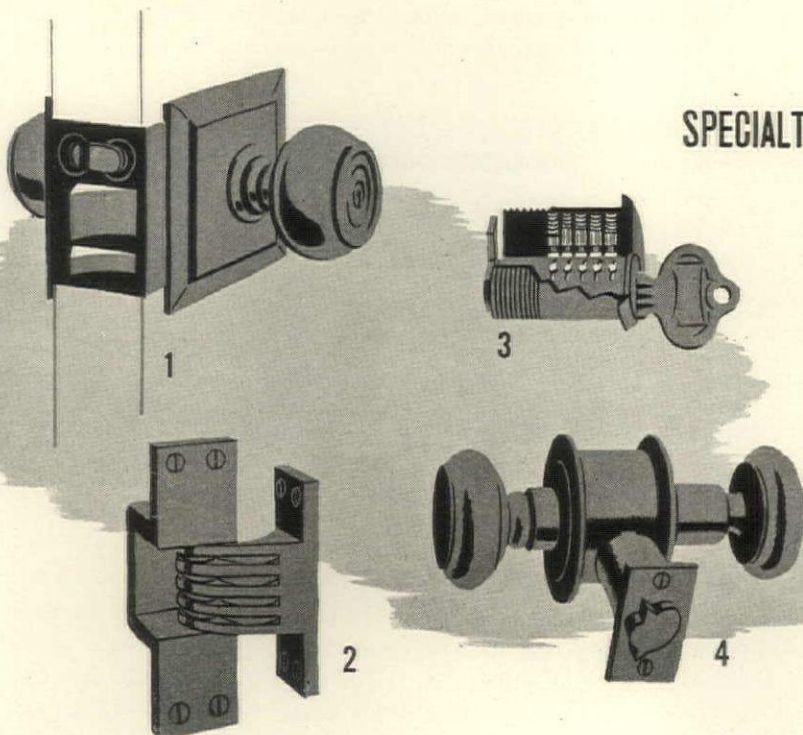
INSIDE



SPECIALTIES

Technical advances are making hardware more secure and compact, more easily applied

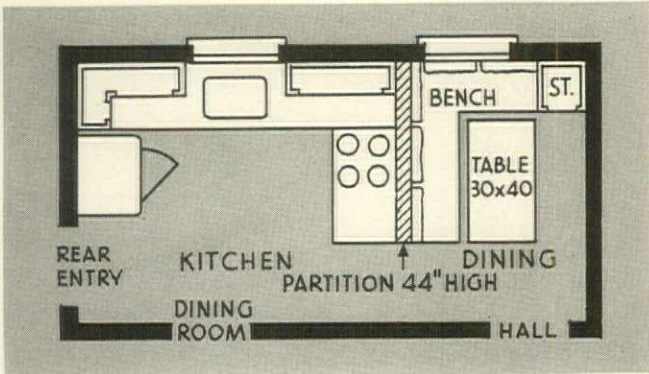
1. Lock and handles, a one-piece unit; cylinder lock in the knob. Easily fitted. Sargent.
2. A very sturdy but invisible door hinge. Soss.
3. Cut-away view of pick-proof lock. Segal.
4. This neat unit has a cylinder lock in one knob and a locking button in the other. It is simply installed by boring two holes at right angles to each other. Schlage Lock Co.



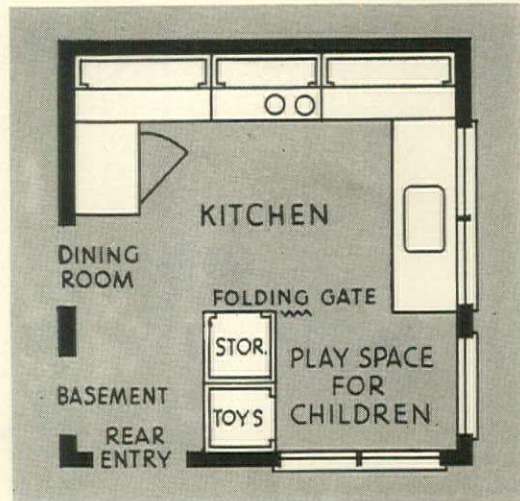
KITCHEN PLANNING

HOUSE & GARDEN SCHEMES FOR SQUARE OR OBLONG KITCHENS

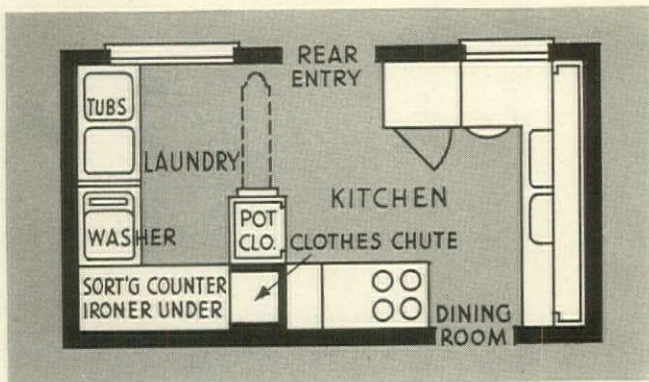
EQUIPMENT



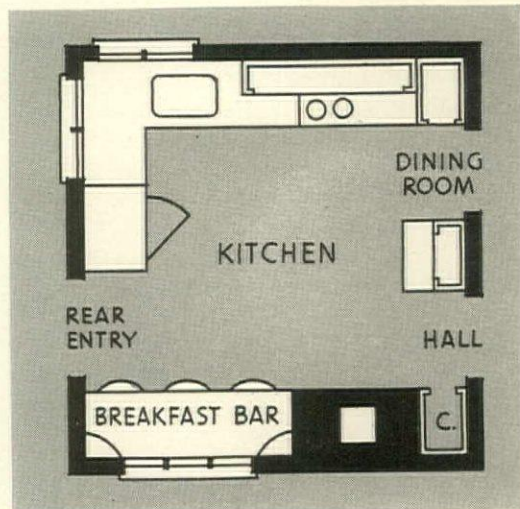
This long narrow kitchen, eight by sixteen feet, has been planned to provide a comfortable dining space in addition to a good U-shaped kitchen plan. The range at right angles to the wall, with low partition behind, divides the space



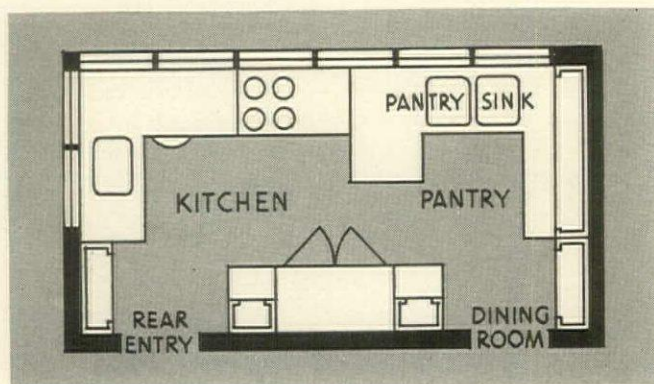
A children's play space four by six feet wide, with low windows, has been blocked off from this square kitchen by careful placing of equipment and the use of a folding gate. Ideal when one person must watch children and prepare meals



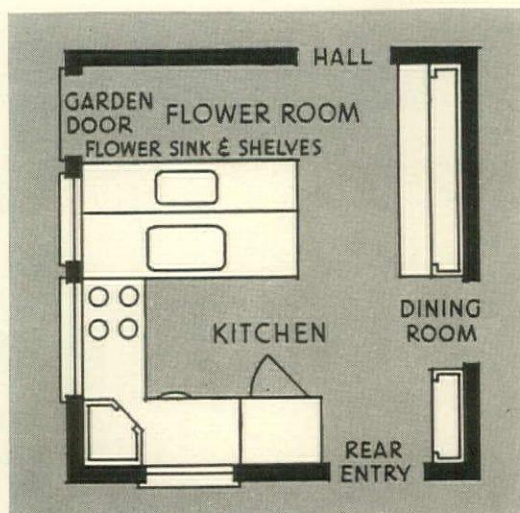
A tall pot closet installed next to the clothes chute divides the laundry from the kitchen space in this long room. Each step of the laundering process has been provided for in a compact plan. Ironing board folds against pot closet



Structural features such as chimneys and projecting closets frequently break up a wall so that it cannot be used for kitchen equipment. A breakfast bar consisting of a simple counter, open below, takes full advantage of this space



Complete pantry facilities are combined with a good kitchen plan in one long room. A large two-door refrigerator is installed so that it is convenient for kitchen and pantry use. Shallow closets utilize space behind doors at left and right



With the two sinks turned back-to-back so that plumbing is simplified, this square kitchen does double duty with a small flower room. The U-shaped kitchen plan is compact and efficient. Pantry storage units are included on third wall

THE basis of all modern kitchen planning is simply this: that the separate pieces of equipment are no longer placed here and there like furniture in a room. The range, refrigerator, sink and cabinets are now installed right next to each other to form a continuous work surface, or production line for food.

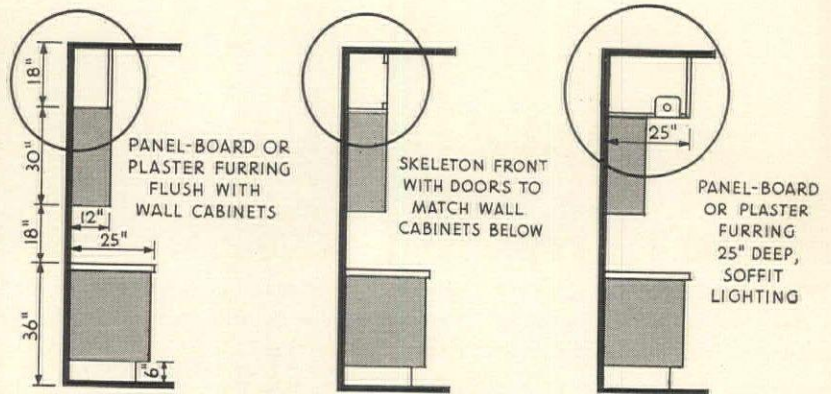
The procedure followed in preparing meals acts as a logical guide for the placing of equipment. Consequently the refrigerator and supply cabinets are best placed near the rear entry for the storage of food as it is delivered. The range should be close to the dining room door and the sink with large work surfaces at each side is most conveniently located between the refrigerator and range. This is the pattern of the famous U-shaped plan, but in many kitchens, particularly in remodeling, it is impossible to use this arrangement because of the shape of the room.

The variations which must be made in adapting this general plan to individual kitchens will not seriously affect the convenience if the equipment is installed close together with as much continuous work surface as possible. It is this continuous work surface which is the outstanding feature of the modern kitchen, eliminating the traffic back and forth from the crowded kitchen table to the work centers.

Installations of this type can be developed with any one of the different lines of standard cabinet equipment, available in a wide range of prices. Modern ranges and sinks are designed to conform to the height and depth of standard base cabinets so they can be placed in a continuous installation.

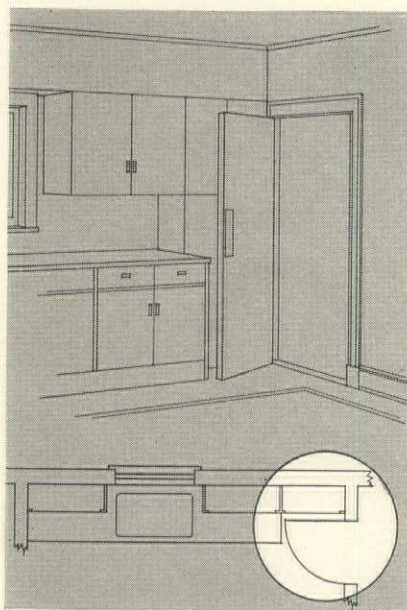
Recently the most interesting kitchen arrangements have been developed through a more flexible use of equipment. Since base cabinets, sinks and ranges are complete free-standing units there is really no reason for installing them against the wall if a better plan can be made by turning them out into the room at right angles to the wall.

If it is impossible to obtain the equipment which is to be used in this way with finished back panels, a small partition to the height of the work surface can be used to cover such exposed parts as range connections. Frequently equipment can be placed back-to-back to eliminate this problem. With flexible planning there are many ways to make an ordinary kitchen space do double duty as a flower room, play space or laundry.



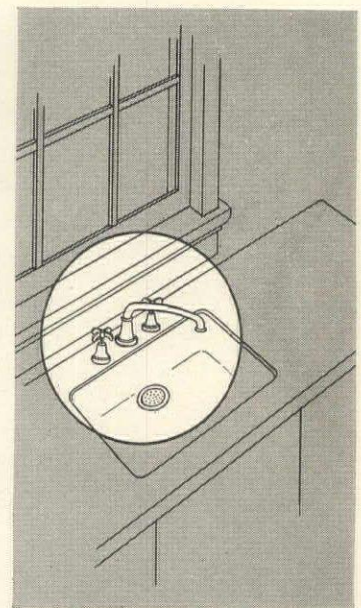
SPACE BETWEEN WALL CABINETS AND CEILING

The finished appearance of modern kitchens is largely due to the standardized height of cabinets and to the fact that space directly above the cabinets, formerly an eyesore, is now enclosed. If necessary the joint between cabinets and furring (in circle above) can be covered with a molding strip



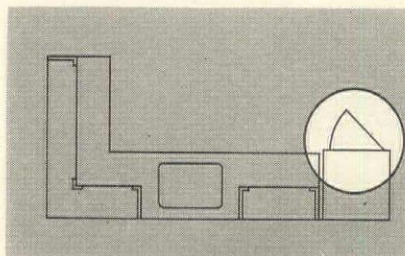
SPACE BEHIND DOOR

Space at least one foot wide between the wall and door frame can be used to advantage for tall closets, made the same depth as wall cabinets



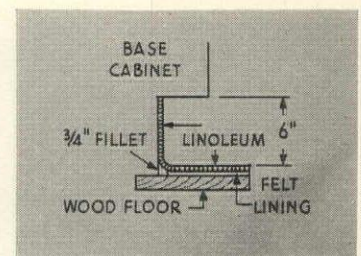
LOW WINDOW SILL

For windows too low to have sinks with wall-type fixtures under them, is a new sink, 36" from the floor—with standing faucets



REFRIGERATOR DOOR SWING

Refrigerators should be ordered with the door hinged either left or right so it will swing away from the adjacent work surface and avoid any crowding



FLOORING COVE BASE

A linoleum cove base turned up around the base cabinets and walls protects these surfaces from much scuffing and wet mopping

KITCHEN STORAGE

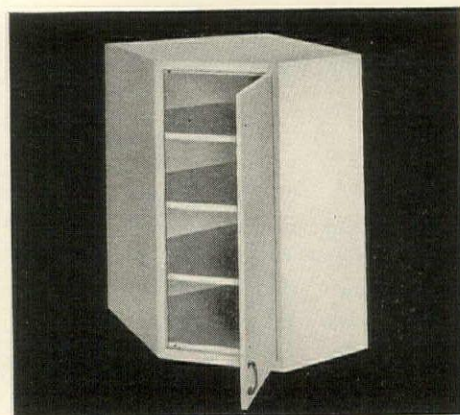
EQUIPMENT



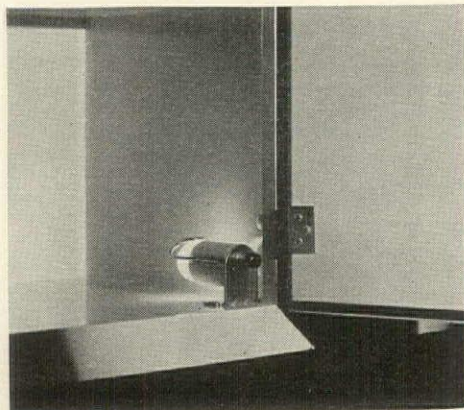
This base cabinet is especially designed to make use of all the space in corner installations. Whitehead Metal Products Co.



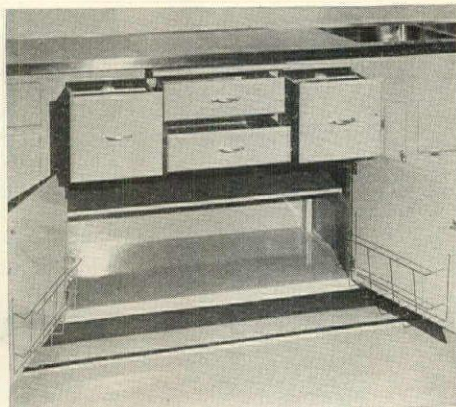
Planning-desk unit, the correct height for writing, with shelves and pigeon holes. Matches cabinets in size, finish. Whitehead



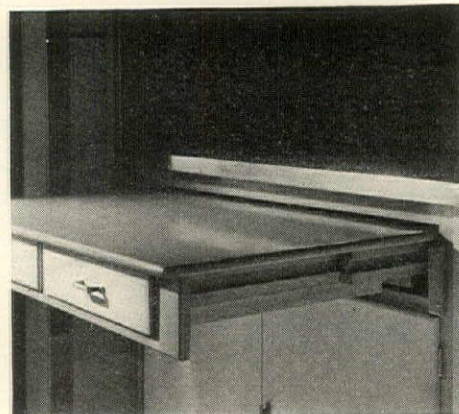
Corner wall cabinet simplifies planning equipment around a corner. Uses space to advantage, is of good design. Whitehead



Light where it's needed—inside cabinets. Switch operates as door is opened or closed. Coppes cabinets; from Cox Kitchens, Inc.



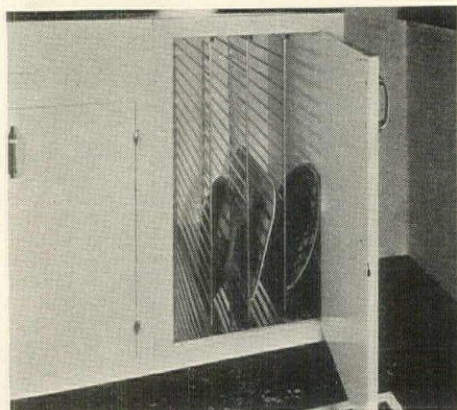
Large base cabinet with shallow cutlery drawers and metal-lined bread drawer. Racks shown on doors are for pan covers. Coppes



Pull-out dining table carefully designed in special base cabinet. Useful for commuters' breakfasts and servants' meals. Coppes



Large tilting bin of stainless metal for storing flour, sugar. Drawers of different depths. Whitehouse; from Janes & Kirtland



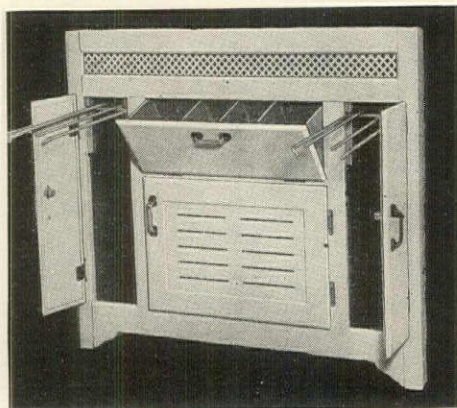
Special base cabinet for vertical storage of platters and trays. The stainless metal dividing-racks are easily removed. Whitehouse



Pantry base unit for storing flat silver. All drawers lined with heavy felt. The sizes of sections are adjustable. Whitehouse



Tilting bins for convenient vegetable storage. Bins are removable for cleaning; interiors ventilated. Kitchen Maid Equip.



Sink-front enclosure with divided bin for soaps, brushes. Pull-out towel racks. Different sizes of units available. Kitchen Maid



Ventilated tilting bin for soiled table and kitchen linen. Fits in standard base for either kitchen or pantry use. Kitchen Maid

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FAIR WEATHER..."
IN A
*Window
Conditioned*
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The cost of storm sash is low. The nearest lumber dealer will be glad to explain financing under F. H. A. with no down payment. Fuel savings can pay the cost in less than two winters. If you are planning to build a new home, ask your architect about the many new double-glazed "Window Conditioning" units.

Quality Glass Is Important—With double glazing, the quality of the glass is doubly important since you are looking through two pieces of glass instead of one. Because of an exclusive manufacturing process, L·O·F Window Glass is noted for its greater freedom from waviness and distortion, making it especially suited to "Window Conditioning." These advantages cost you no more, but they add much to your permanent satisfaction with double glazing. Whether you buy winter windows or double-glazed sash, make sure that each light bears the L·O·F label. It is your guarantee of quality in window glass.

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You insulate your windows by applying double glazed sash or modern winter windows of L·O·F Quality Glass. Here's what "Window Conditioning" does for you—

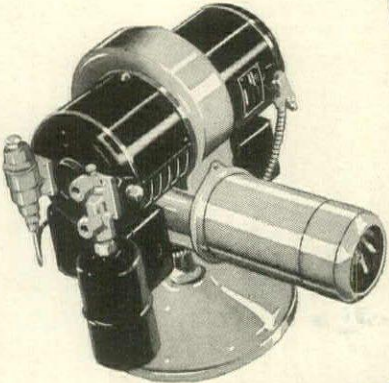
1. Gives you greater comfort—better health.
2. Cuts fuel bills 20 to 30%.
3. Saves you more than any other single form of house insulation.
4. Makes uniform temperatures easier to maintain throughout the house.
5. Lessens drafty danger zones near windows and floors.
6. Makes healthful humidity possible without foggy windows, soiled draperies and moisture on window sills.
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* * *

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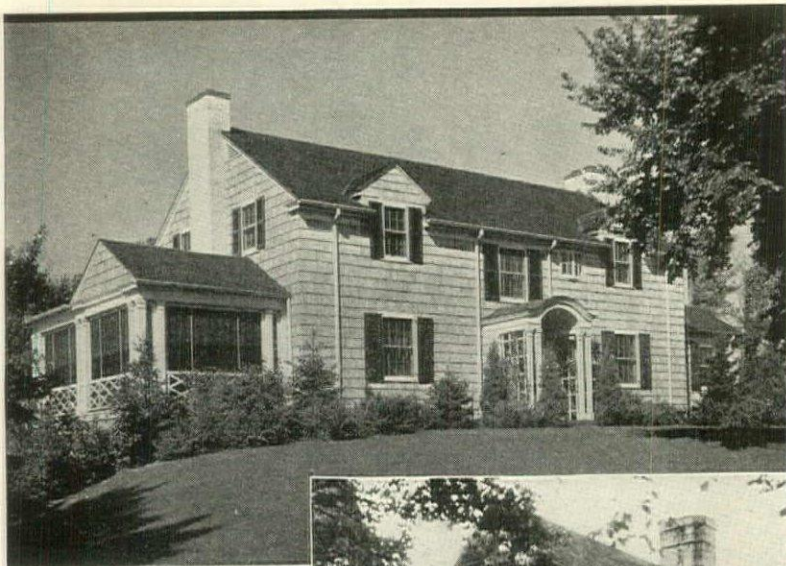
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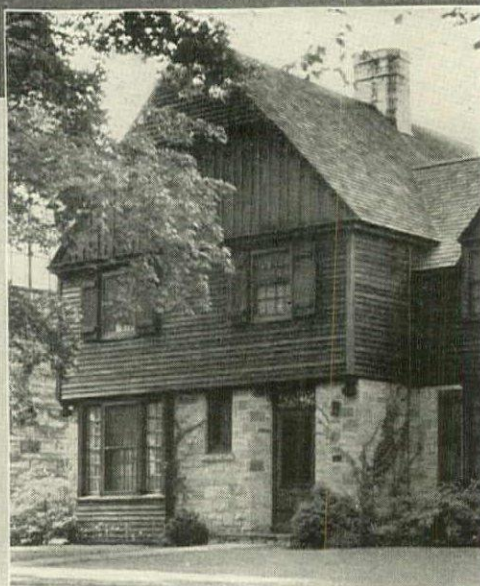
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Above: House at Minneapolis. H. H. Livingston, architect. Walls and roof stained with Cabot's Stain in contrasting shades. Blinds: Cabot's Gloss Collopakes. Chimney and trim: Cabot's DOUBLE-WHITE.



At right: House designed by Taylor and Maas, architects, Stevens Point, Wisconsin. Siding, shutters and roof stained with Cabot's Creosote Stains.

Stains that add LIFE to your house

Your house will have a brighter life and a longer life if you stain this fall with Cabot's Stains. Their soft, lovely colors—and their remarkable durability—result directly from our patented Collopaking process in which the pigments are divided hundreds of times finer than is possible by other methods. The *creosote* stains penetrate and preserve the wood, giving a beautiful *texture-revealing* effect. The new *heavy-bodied* stains give a more opaque, uniform finish, especially useful on old or weather-beaten surfaces.



FREE BOOKLET

• *Stained Houses* •

Write today for *Stained Houses*, a new booklet containing many helpful sugges-

tions for the owner of a shingled or a clapboard house. It shows photographs of many houses stained with Cabot's Creosote or Heavy-Bodied Stains, describing the advantages of each. Address Samuel Cabot, Inc., 1204 Oliver Building, Boston, Mass.

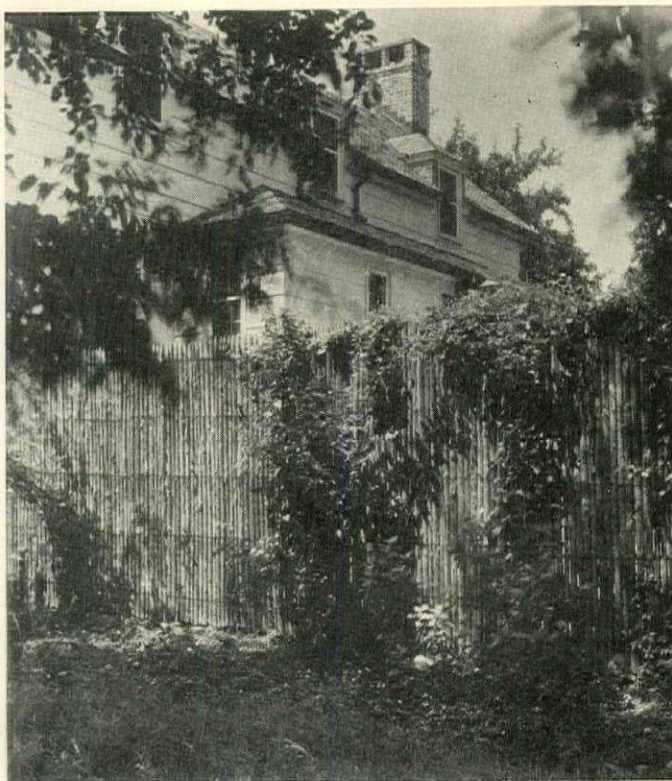
Cabot's Shingle Stains

Creosote

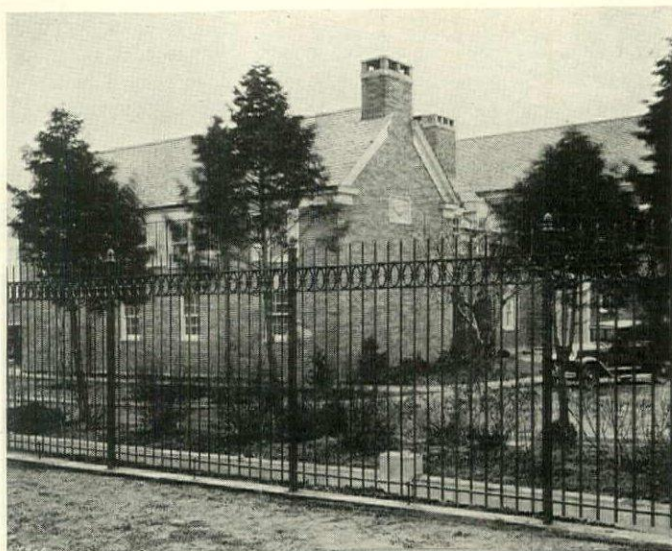


Heavy-Bodied

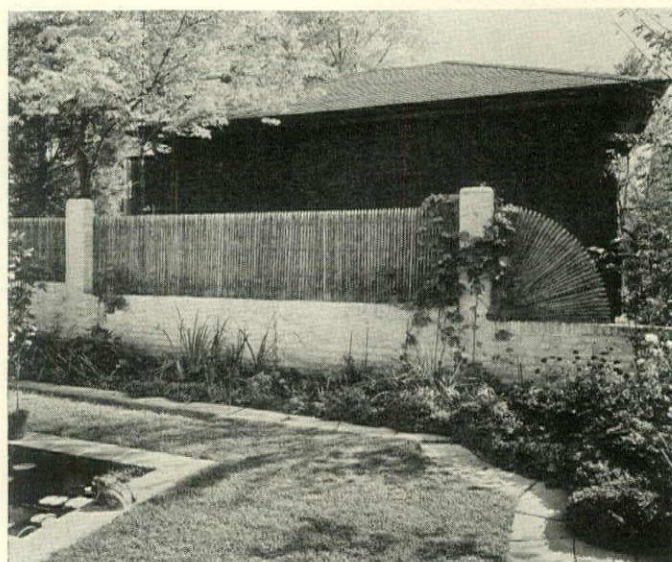
NEW FENCES FOR OLD



For obtaining privacy in a not too aggressive fashion, nothing is more pleasantly efficient than a close-woven chestnut fence. Dubois

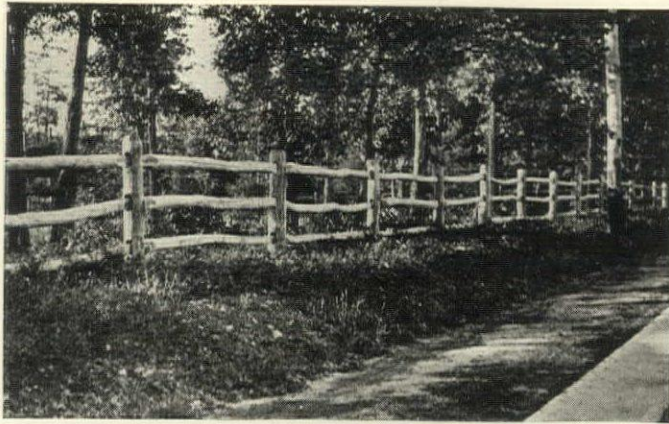


Wrought-iron railings are especially appropriate for the entrance front of a large estate, where a dignified effect is essential. Page

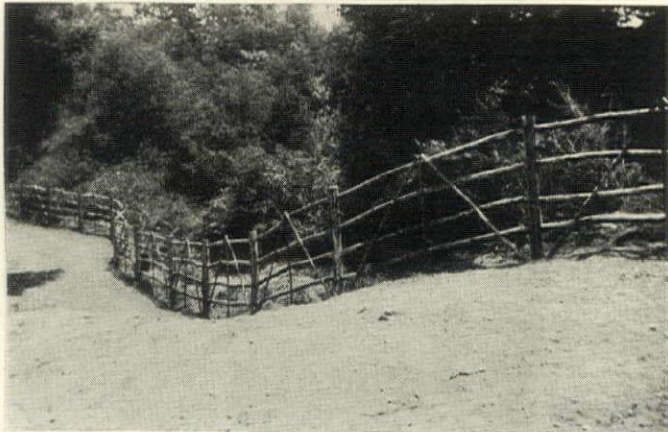


Wood fencing of this type, tested in France for many generations, is made of split-chestnut woven together with rustproof wire. Dubois

NEW FENCES FOR OLD



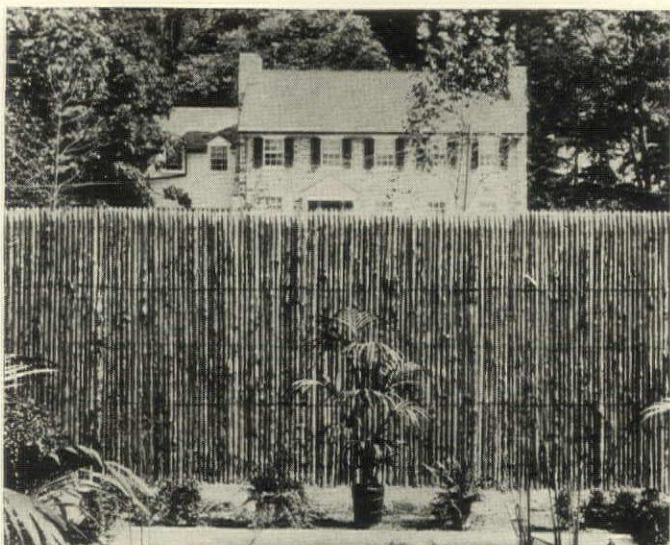
The old-fashioned post and rail fence is still the ideal paneling for hunting country. It is very stoutly built of hand-hewn chestnut. Dubois



English hurdles, in sections 8 ft. long, are easily moved and thus particularly useful for temporary fences, animal pens, etc. Dubois



Chain link fence on a galvanized pipe frame gives excellent protection without robbing the flower borders of sunlight. Anchor Post



Split chestnut paling makes a good background for flowers. Being flexible, it may be used successfully on uneven ground. Rusticraft

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IMAGINE your kitchen planned just the way you want it—planned for you—your needs—your family—your home. A Crane Family Planned Kitchen will make this dream come true.

For example, you may want to iron in your kitchen—if you do, there is a cabinet provided to hold the ironing board and iron, easily convenient yet out of the way. In your kitchen you might want a place to eat—a dining alcove or a modern breakfast bar—a Crane Family Planned Kitchen will provide this. Some house-

wives find the kitchen an ideal room in which to sew. In the Family Planned Kitchen, provision may be made for a cabinet to hold the sewing machine. No matter what your problem, a Crane Family Planned Kitchen will solve it.

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We have prepared a book, "Family Planned Kitchens," which will show you many new and novel suggestions for your kitchen—ideas you may want to use. It tells you how easily you can convert your kitchen into a convenient, modern one. Mail the coupon below for your copy of the "Family Planned Kitchens."



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| <input type="checkbox"/> weathertight construction for comfort, protection and fuel savings. | <input type="checkbox"/> all this new window beauty, convenience and comfort at new low cost! |



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Kawneer

SEALAIR WINDOWS

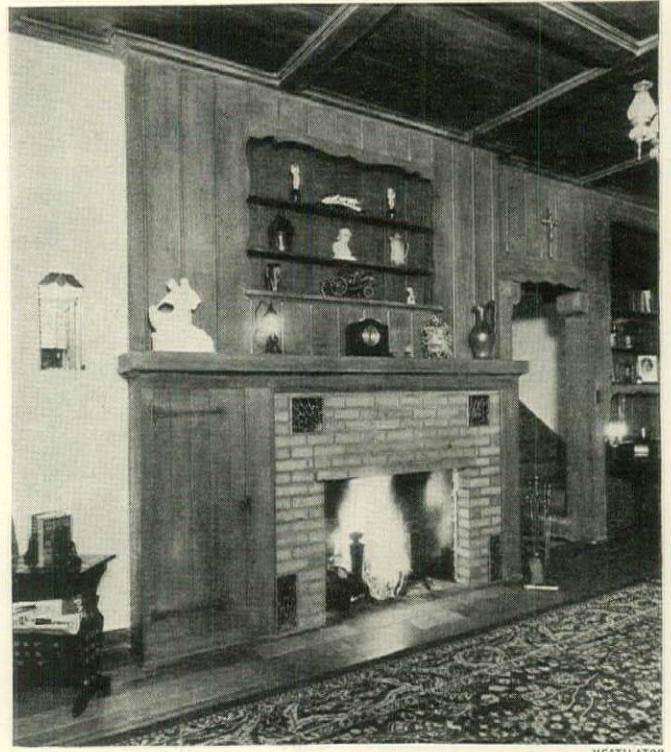
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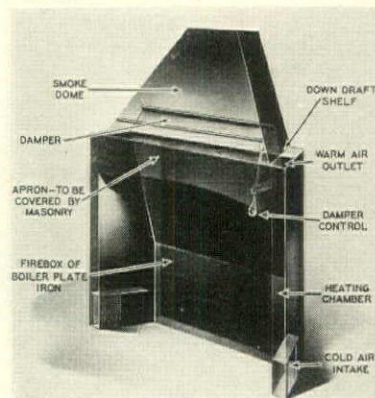
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FIREPLACES



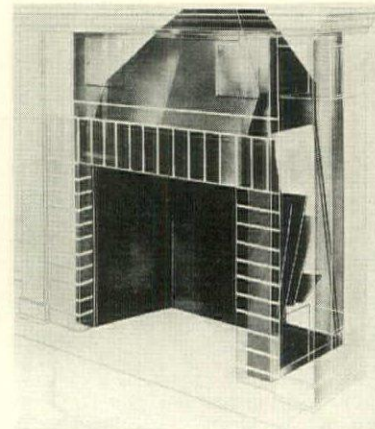
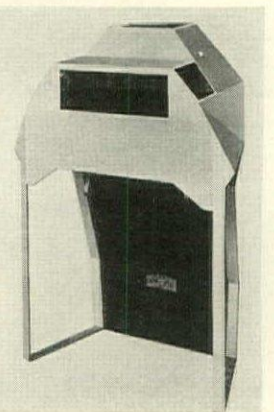
HEATILATOR

CIRCULATING fireplaces offer great advantages over the conventional type. Equipped with ducts which draw cold air in at floor level, or from outdoors, and expel warm air from the upper grilles, they are infinitely more efficient heating units. Grilles may be placed in a variety of positions, and the appearance of the mantel need not be changed. The prefabricated sheet metal unit insures scientific accuracy of construction, proper draught control and freedom from smoking



LEFT: This unit, shown as it comes from the manufacturer, serves to illustrate the position of the air ducts and other essential parts. After installation, nothing is visible but the open firebox, Heatilator Co.

RIGHT: This recirculating fireplace is also available in a model which has a duct to the outdoors, thus circulating warmed air in the room. Bennett Fireplace Co.



LEFT: This phantom picture picture shows metal blades within the heating chamber which serve to direct the cool air over the hottest areas of the unit. Heat may be conveyed by duct to nearby rooms. Majestic

HOUSE & GARDEN'S BOOKSHELF

GARDEN BULBS IN COLOR. By J. Horace McFarland, R. Marion Hatton and Daniel J. Foley. *New York, N. Y.: The Macmillan Company.*

Here is a veritable treasure house of beauty, whether one has a bulb garden of his own or whether he must depend only upon occasional glimpses of the display in which his more fortunate neighbor finds gratification beyond the powers of expression. Color is one of those things which cannot be put into words, and Dr. McFarland and his associates have made monumental record of the glory of Nature's choicest ornaments as pictured by her flowers. So it is that two types of garden enthusiasts will be particularly interested in this book and from opposite viewpoints: the one who has the smaller collection will rejoice especially in recognizing his long-time acquaintances among the varieties pictured; the other, in hunting out—with a dream of possession at once, or at least in the very near future—varieties he does not now possess. For him, the book might have borne the subtitle, "What I Do Not Have in My Garden."

The book is made up of close to 300 octavo pages, the first half in three large sections treating of Tulips, Narcissus, and Lilies; the latter half, a general collection of bulbous plants numbering 70 different species; in this section generous space is allotted to the Dablia, the Gladiolus, and the several groups of the Iris. With the many florists' varieties in these species, they constitute a host of what are classed by the dealers as "Miscellaneous bulbs," but prove jewels of the first magnitude to the color-sensitive gardener.

Notwithstanding the profusion of individual pictures of blooms in color, there are numerous examples of landscaping practice: from small, sequestered nooks and rockeries to views of whole gardens in the Spring and early Summer where only bulbs are in bloom—whatever may be in the ground for later display. And the 275 color pictures are supplemented by upwards of a hundred others in the choicest of engravings in black-and-white. Along with the pictures goes a running comment in type, occupying nearly half the page area of the book, giving history where it is striking, necessary hints as to successful cultivation, and descriptions of many varieties not pictured, but which may have a degree of importance to some gardeners. It must be said that the authors seem to have left out nothing that could be thought of as to flowering bulbs.

To this encomium should be added unstinted praise for the superb color printing, and for the general make-up of the book, far beyond the usual "best" of the printer's art—a rare boon to those whose really-and-truly dirt gardens are necessarily restricted.

IN OUR COUNTRY GARDEN. By Clare Ogden Davis. *New York, N. Y.: Dodge Publishing Company.*

Of all books relating to gardening, this one must be classified as the "most different." In truth, it is less the moving-picture of a highly developed garden than it is a vivid self-portrait of the

devoted and determined gardener herself, together with her vigorous reactions to a series of adventures and peradventures encountered in her Connecticut garden over a period of eight years. In this multiplex experience our author has come to recognize—if, indeed, she did not guess it before—that the secret of the passion which eventually grips every real dirt-gardener (who, as she says, is "in tune, in sympathy, in spiritual accord with the rhythm of the Earth") is the vital realization of the Fundament; and this becomes more and more evident to her readers as the book progresses.

Though arranged in mathematically indented "Chapters," one for each week from April 2 to November 26, the story will not be read in any such leisurely fashion. It is not a mere tally of seasonal efforts to be made in a garden, but a tale of bold experiments, with uncertain results. So the reader hastens along to see how Milady wins out:—if of success, with festive shouts that echo from the far side of the Valley; if of partial disappointment, with unshed tears punctuated with the profanity of impatience—which, in these cases, seems to have afforded a modicum of new heartening along with its proverbial comfort. It is a bouquet of scattered reminiscences plucked from any and all of the eight years bearing a hue of fitness.

As might be expected from so agile an observer, the narrative of Mrs. Davis is studded with a wealth of gardening lore, distributed in hither-and-yon remarks and sidelining comments, as they occur to her, snatched from the long and busy task of garden building in the wild: moving rocks, digging holes for roots; manuring; fertilizing with chemicals; setting out and lifting up again for another location; mulching; watering; pruning; and a score of other operations of the athletic type—along with intimate association with thousands of individual plants which give pleasure in their flowering. Of these, she genially confesses, she never had enough. All of this may not be overlooked or side-stepped as of minor value in different circumstances. It is true that no two gardens are alike in their problems of planning, planting and care, but the resultant aimed at is the same; and the degree of achievement depends as largely upon due appreciation of the task as upon the vim with which the work is prosecuted.

Mrs. Davis's story is not a reference book; it is to be learned by heart—as she modestly, no less than truthfully warns—a mere preparation for what is yet to come.

The illustrations are of the finest selection—specimens of extraordinary landscaping as well as the harmonious growing of local masses, in themselves of more than educational value—and may be copied on the ground to advantage. It seems a pity that the index does not reach into greater detail; but there, again, we have to learn it by heart.

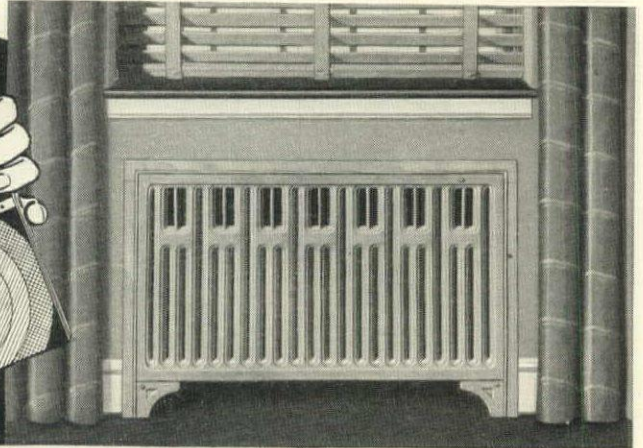
THE ROMANCE OF TEXTILES. By Ethel Lewis. *New York, N. Y.: The Macmillan Company.*

Delightful—is our summation of this
(Continued on page 52)



Read this book before you select any heating system!

MAIL COUPON BELOW



This Weil-McLain "Concealed" Raydiant goes into the wall and out of the way. When placed under windows it kills cold where cold comes in.

Two types OF HEATING SYSTEMS . . Which one for you?

If you are going to build or remodel—here is as sound a bit of advice as you ever read: don't buy any heating system—ours or any other—until you read this book. That can't cost you more than a 3c stamp—and it may save you years of wishing you had.

Heating systems in general use are divided into two groups: those that supply only *convected* heat and those that supply both *radiant* heat and *convected* heat.

Weil-McLain *Raydiant* Radiators provide a *scientifically balanced* blend of both radiant and convected heat for *maximum* comfort. Their unobstructed, heated front panels emit a richer abundance of that comforting,

sunlike, *radiant* warmth into the lower parts of rooms. You get more heat down near your feet. With this soothing, radiant warmth is blended the correct amount of convected heat for undisturbing motion of air. When placed under windows, the convected heat from these Raydiant radiators rises into the room and kills cold where cold comes in.

Weil-McLain Raydiant Radiators store heat and continue to send it into the room *after the heating plant shuts off*—a feature that contributes to more uniform room temperatures with automatic heating. They may be had in "Concealed," *Partially Recessed*, or *Cabinet* types, with or without facilities for humidifying.

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Get the whole story—insure years of satisfaction with the heating system you choose now! Read about the "Dry Side" and the "Wet Side" of the humidifying problem. Learn the differences between radiant and convected heat. . . See why a scientific blend of both means *greater comfort*. Learn, too, how you can have sunlike radiant heating from these modern radiators that go into the wall—*out of the way*. Use the coupon today. Weil-McLain Co., 641 W. Lake St., Chicago, Ill. Offices in New York City, Erie, Pa., Michigan City, Ind., and distributors in over 75 cities.



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FINANCING

(CONTINUED FROM PAGE 7)

tractors' bids or estimates are requested, and if major alterations are involved, a set of drawings and specifications should be submitted. Architects' and engineers' fees may be included in the cost of the work, but not the financing charges and appraisal fees which recompense the lender for the work involved in investigating the risk. A decision can be obtained within one or two weeks.

Almost any conceivable *permanent* improvement to an existing house is eligible for an insured loan. Temporary improvements, and anything portable that can be removed from the house should the borrower move away, are not eligible.

Repairs come first: A new roof, new flashings or gutters, repairs to walls, floors, foundations, doors, windows and any other permanent part of the house can be paid for by the month over a period extending to five years. "Repairs" include exterior and interior painting, re-papering and decorating, refinishing of floors, masonry of plaster work, repointing of masonry and any kind of rejuvenation of the heating, plumbing or electric wiring systems.

Additions may be made to an existing dwelling. These may range from a bay window or an extra bath to a complete new wing containing several rooms. A garage may be built as an addition to the house, but if it is erected as a separate new structure the cost must be kept under \$2,500, and a separate application may be required.

A distinction is made between new structures and improvements to existing structures. A barn, a garden shelter, a pump house or any such independent building, though built as an improvement to an existing house and lot, falls under certain special provisions of the Act which limits the amount loaned to \$2,500 and the term to five years. However, this does not keep the owner from making additional loans for improvements to existing buildings—so long as not more than \$10,000 is loaned on a single property.

Work can be done on the grounds around an existing dwelling under these FHA regulations. Fences, landscaping, walks, driveways, wells, septic tanks, sewage disposal systems and other improvements of like character may be financed, so long as they are related to a house already standing.

The word modernization embraces innumerable things. Houses may be in-

sulated and storm sash added. Old heating systems may be brought up-to-date with new furnaces, boilers or air conditioners, new oil or gas burners or automatic stokers, new thermostatic controls, new radiators, convectors and valves or traps. New plumbing fixtures may replace old ones that have passed their prime. New pipes may be installed and old ones, clogged with rust or scale, may be removed. Whole new bathrooms and powder rooms may be installed, or existing ones refitted.

Lighting systems can be made new. Wiring that offers too little capacity to serve modern appliances and conveniences may be expanded or replaced. Lighting fixtures may be included, but portable lamps may not be purchased with such loans.

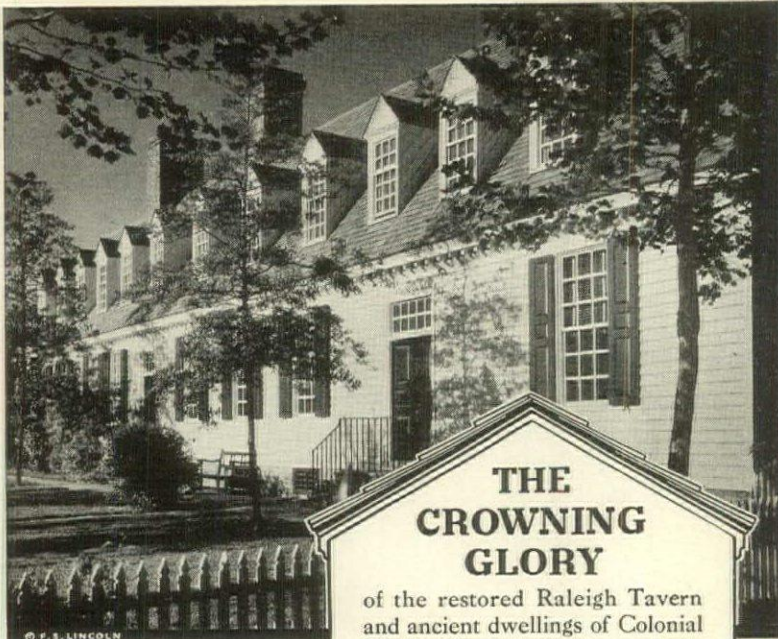
Kitchens and laundries may be modernized so far as built-in elements are concerned. Sinks and dishwashers permanently connected to the plumbing lines are eligible; refrigerators, ranges and portable washing machines are not.

Anything that makes a home more livable, more convenient and more saleable and that becomes a permanent—as contrasted with a removable—part of the property can be financed under FHA regulations.

The cost of these loans, expressed in the amount to be repaid each month, varies with the number of months or years in the life of the loan. The maximum term is five years for repairs, alterations and improvements to existing dwellings; seven years for new structures costing under \$2,500.

For example, a modernization loan of \$500 can be repaid in one year at the rate of \$43.86 per month; in two years at \$22.95 per month, and in four years at \$12.49 per month, with a slightly lower payment in each case in the last month. A loan of \$2,000 could be retired in one year at \$175.44 per month; in three years at \$63.88 per month, and in five years at \$41.57 per month. The charges are considerably less on similar loans for eligible new residential construction, because the interest rate is lower.

Exact costs for any desired amount may best be obtained in consultation with a lending agency familiar with FHA procedures. The lender will determine the most satisfactory term of the loan to meet the borrower's income and living expenses, and then compute monthly charges and appraisal fees.



THE CROWNING GLORY

of the restored Raleigh Tavern and ancient dwellings of Colonial Williamsburg is their seemingly original, hand-split, wood-shingle roofs. Yet these are fire-proof, permanent, asbestos shingles. The artistry is in their individual hand-texturing. Thick butts. No machine patterned product can compare. A suggestion for your own home?

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 A Sunshine Room
 In Remodeling Your Home?**

Many now acquire a Sunshine Room or Greenhouse as they do an automobile . . . Purchase it out of income in moderate monthly payments. Financial rates are the same provided for in the recent F.H.A. Schedule.

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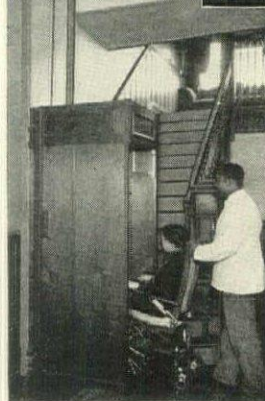
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A "LIFT" FOR OLDER FOLK!
 HomeLIFT is a boon to older folk and invalids who lack strength or health to climb stairs.

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THE GREEN ROOM



The conservatory illustrated in these three views is but one of a wide variety of types and sizes adaptable to every kind of home. Such an additional room will provide useful space for relaxation



Abundant sunshine, an unrestricted panorama of trees and sky, and the presence of luxuriously growing plants, are priceless assets which a conservatory will enable one to enjoy even in bad weather



Whether large or small, the conservatory can be designed to harmonize with its surroundings. There is a wide range of shapes, with glazing bars painted to match trim. Lord & Burnham

THIS NEW 6-ROOM HOUSE

**COMPLETELY
INSULATED**
FOR ONLY \$89 NET



Celotex-insulated
home of
H. E. Underbrink,
Libertyville, Ill.
D. C. Wilson,
Architect

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BUILDS, INSULATES, AND VAPOR-SEALS* YOUR WALLS
At a Single Low Cost!**

NO MATTER how modestly you plan to build, all the advantages of a well-insulated home can be yours at surprisingly low cost with Celotex. Yet Celotex—guaranteed for the life of your home—has advantages you couldn't duplicate if your budget were unlimited!

Celotex cuts insulating cost because it comes in big, light, strong boards that replace ordinary lath and sheathing. It provides both building material and insulation at the cost of the insulation alone. And at the same time and cost, it provides a vapor seal* science now says modern homes should have to guard against moisture condensation within the walls!

Thus, in a home like that above, complete insulation with Celotex Vapor-seal Sheathing and ½-inch Celotex Lath* in side walls, and 1-inch Celotex Lath* in top-floor ceilings, can be included easily in your budget. You would actually add about \$275.00 of fine insulation, yet because of other materials saved, would add only \$89.00 to total costs!

The permanence of this fuel-saving, health-guarding protection is beyond question, too—assured in writing by the Celotex Life-of-Building Guarantee. So see your architect, contractor and Celotex dealer for accurate costs for guarding your home with Celotex—and mail coupon now for helpful free booklets.

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GUARANTEED INSULATION

Guaranteed in Writing for the Life of the Building.
This guarantee, when issued, applies only within boundaries of Continental U. S.

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*Latest scientific research shows that, in cold climates, to prevent moisture condensation in walls and ceilings, a vapor seal near the warm side of the insulation—or in the warm side of the wall—is essential. Celotex ½" and 1" Vapor-seal Lath build, insulate and provide a vapor seal all at one cost.

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919 N. Michigan Ave., Chicago, Ill.

Without obligation, please send free booklets on
 New Home Building Remodeling Farm
Buildings. Also latest information for economical
Vapor-sealing of walls.

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City and State _____

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OF *Winter Comfort*
AND FUEL SAVINGS
with ...
Balsam Wool
INSULATION"



● Be SURE of comfort and fuel savings next winter—and for all the winters ahead: insulate with Balsam-Wool SEALED Insulation. Then you'll have *efficient* insulation as long as your house stands—permanent savings and satisfaction. Balsam-Wool is the *one* insulation that meets every requirement—it is fastened in place—protected with the important moisture barrier—wind-proof—fire-resistant—termite-proof and rot-proof. Available in three thicknesses to fit every need and pocketbook.

Guaranteed for your present home

In your present home, stop "heat leakage" and insure greater comfort by insulating the attic with Balsam-Wool. The job is amazingly quick and inexpensive—and a money-back guarantee assures complete satisfaction. Remember, Balsam-Wool now costs 50% less to apply! Mail the coupon for full information.



Balsam-Wool... Products of Weyerhaeuser... Nu-Wood

WOOD CONVERSION COMPANY
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St. Paul, Minnesota

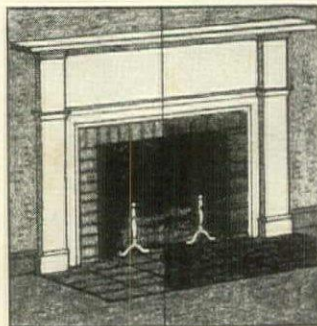
Gentlemen:
Please send me further information on Balsam-Wool for New Construction My present home

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Address _____
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New Products

Black Brick for Fireplaces

Costs the same as ordinary fire brick. The color is the result of the burning process which makes it black throughout. Acids, alkalis, fire or



weather will not be able to affect a change of color. One of the most pertinent uses in interior decoration is in the lining and facing of fireplaces. As shown in the right half of the drawing, black brick creates the impression of the fireplace opening being larger than when the lighter-colored brick is used, as in the left half. In addition to the brick made in the standard size (2 1/4 x 3 3/4 x 8), some come flat—1 1/2" thick, and some small with almost square ends (1 3/4 x 1 7/8 x 5 1/2). (Auburn Brick Co.)

Guaranteed Waterproofing for Basement Walls

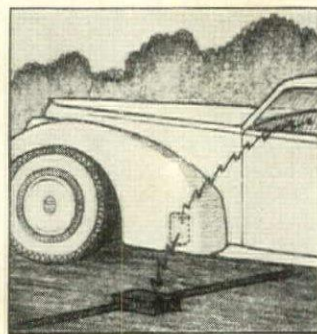
Cost of labor and materials about 70c per sq. yard for "light" duty, \$1.25 "heavy" duty. If your basement is only slightly moist, "light" duty will serve your needs, but if the basement goes in for duck-pond depth, then it will need "heavy" duty treatment. Basement conditions vary, but in general the procedure is indicated by the numbers given in the drawing. The wall is shown in section at the right, the floor in section at the bottom. First cracks and holes are filled, and the intersection of floor with

wall is pointed up. Then a bond coat is brushed on, followed by two wall coats being trowelled on, and finally a color coat to finish the job. (Rocktite Co.)



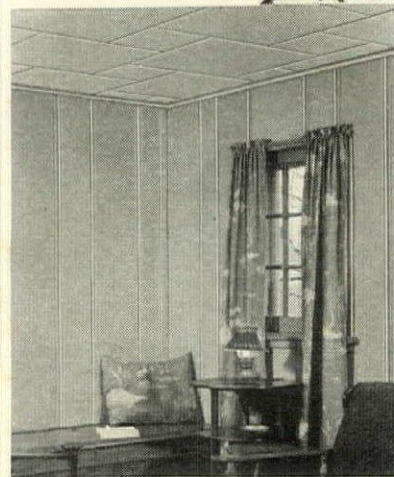
Automatic Garage Door or Gate Control

Costs \$120 without installation, controls or wiring. In your car there is a concealed coil about 4 1/2" long connected with a push button on the dash;



buried 1' under the road there is a 6' iron bar and a "pick-up" element, while in the garage there is an electric operator which actually opens the door. At any rate of speed as you approach your garage you press the dash-button before passing the point in the road where the bar is hidden, and the doors swing open by the time you reach them. When you press the button the coil in the car is energized. This impulse is first picked up by the buried unit, then relayed to electric operator. (Selectron Co.)

"NOW WE HAVE
TRUE COLOR HARMONY
AND *Quiet*
with ...
Nu-Wood
INTERIOR
FINISH"



● Here's a wonderful wall and ceiling that gives you beautiful, permanent decoration—restful, soothing, quiet—plus added insulation efficiency! Nu-Wood, with its rich texture, interesting patterns and soft, harmonious colors, creates rooms you'll be proud to show your friends. It fits in with any scheme of decoration—hides drab walls and ceilings. Used with the new predecorated Kolor-Trim molding, Nu-Wood provides distinctive interiors at low cost—no paint—no muss or bother.

Amazingly inexpensive for new or old rooms!

Nu-Wood is the inexpensive way to add fresh interest to old rooms—and to build new ones, too. With Nu-Wood, you can have that recreation room in attic or basement... create a lovely sun-room, den or nursery in unused space... at amazingly low cost! Let us show you what Nu-Wood will do in your home—mail the coupon!



Nu-Wood... Products of Weyerhaeuser... Balsam-Wool

WOOD CONVERSION COMPANY
Room 113-9, First National Bank Bldg.
St. Paul, Minnesota

Gentlemen:
Please send me further information and full color illustration on Nu-Wood for New Construction Remodeling.

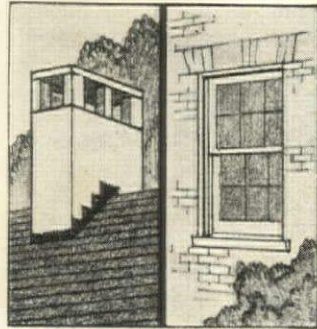
Name _____
Address _____
City _____ State _____

New Products

Non-Hardening Caulking Material

Costs \$2.40 for a 5 lb. can. This product, only recently put on the market, has been subjected to extensive tests to prove it has the following qualities: it

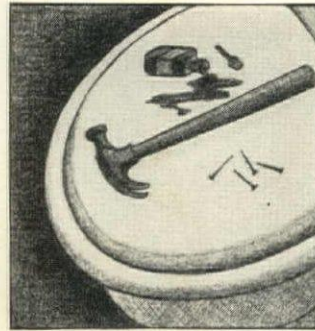
will remain plastic indefinitely; it is absolutely waterproof; it withstands expansion, contraction and vibration; and it is so adhesive that it adheres to glass while water is running over it. It will not stain any building material, including marble. It is an asbestos composition filler containing neither oil nor asphaltum. Use this material in such places as chimney flashings which have corroded or sprung away from the masonry, window and door frames at sides or sills, etc. (Ever-Plastics Corporation)



Indestructible Seat

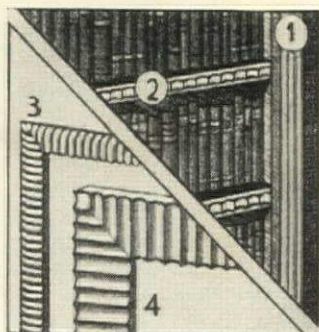
Costs a little more than a high-grade white seat. A new type of construction is employed in the manufacture of this toilet seat whereby it will resist being defaced by pounding with a hammer, scratching from nails, or staining from medicines. If a blow should dent or any fluid should discolor the surface, a little rubbing with steel wool will restore the original gleaming whiteness. The hardwood seat, as well as the metallic means of hingeing and securing it, are covered with a molded white plastic and subjected

to 400,000 pounds hydraulic heat. There is nothing to corrode. No surface capable of absorbing moisture. (C. F. Church Mfg. Co.—Mol-Tex Seat)

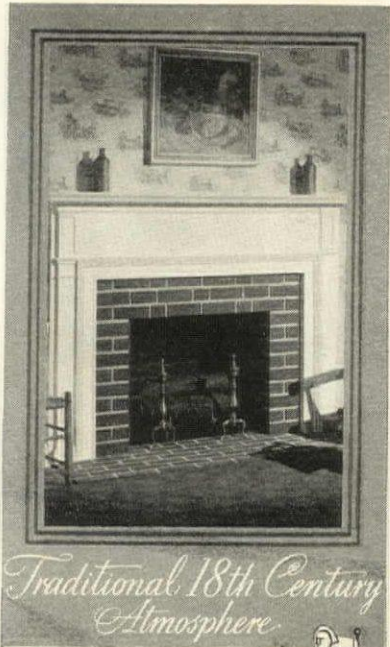


Machine-Carved Moldings

Cost per running foot in gum wood as illustrated: No. 1 (2 7/8" x 3/8") 6¢; No. 2 (3/4" x 1/4") 6 1/4¢; No. 3 (2" x 5/8") 21 1/2¢; No. 4 (4" x 1/4") 17¢.



For years this company has supplied the furniture trade with over 2,200 types of moldings, but only recently has made its products generally available. Many of the stock patterns will do wonders with ordinary bookshelves, as in the upper right part of the drawing. Banal doors or mantels can be given a smart, contemporary effect by using moldings like those shown in the lower left part of the drawing. The moldings are all carved from actual wood, usually maple or gum wood. (Klise Mfg. Co.)



Traditional 18th Century Atmosphere
for your home
a Colonial mantel by Curtis

THE center of interest, the center of life, in any home is the mantel!

Since the early days, American home life has revolved about a mantel. And your mantel *must* be correct in architectural design if it is to carry on in true American fashion for you.

In 1938, Curtis has developed a complete line of new woodwork. Mantels, entrances, cabinet work and stair work were designed by Dwight James Baum, famous New York architect-designer. In the mantel pictured here, Curtis design C-6054, Mr. Baum has adapted the charm of late 18th Century architecture to modern requirements.

In your new home or in your present one, a mantel like this will be cheery and distinctive—give your home a touch of traditional atmosphere which means so much. For good woodwork has always had the power to keep a home young, to help it retain its value through the years.

If you like this mantel, you'll like other Curtis woodwork, too. You'll like Silentite Windows and Curtis Sectional Kitchen Cabinets. Let us send you details and give you the name of your nearest Curtis dealer.

CURTIS COMPANIES SERVICE BUREAU



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AND OTHER CURTIS PRODUCTS—Silentite Double-Hung and Casement Windows Exterior and Interior Doors • Frames • Trim Entrances • Molding • Panel Work • Cabinet Work • Mantels • Stairways • Shutters Screens • Storm Doors and Windows • Garage Doors • Miterite Door and Window Trim.
Sold Throughout the Country by Reliable Dealers

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Dept. HG-9M, Clinton, Iowa
Please send me further information about the new Curtis Mantels and tell me about other Curtis woodwork.

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Address.....
City.....State.....

WE GO TO THE EARLY MOVIES NOW



KITCHEN TIME FLIES with a Kohler Cymbria Cabinet Sink! Its depressed drainboard and deep compartment adjoin Kohler metal cabinets and provide a complete kitchen work-bench. 3-inch ledge; long-reaching spout; rinse hose; Duostrainer; spacious cabinet with drawers... these help the Cymbria take the irk out of work.

THIS "TWIN-BASIN" MODEL SAVES TIME FOR BRIDGE



THIS LUCKY HOUSEWIFE has a new Kohler Wellwin with two deep Duostrainer-equipped compartments—one for washing dishes, the other for rinsing. It has a 3-inch ledge and ample cabinet space to keep things "where you want them." No wonder she has more time for bridge.

• Generations of experts have settled in Kohler Village to bring you top-quality plumbing fixtures. Ask your Master Plumber about the Cymbria and the Wellwin. About the rest of the Kohler line! Kohler's F. H. A. Finance Plan brings Kohler craftsmanship within easy reach. Write for booklet, "Planned Plumbing." Kohler Co. Founded 1873. Kohler, Wis.

SEND FOR FREE BOOKLET

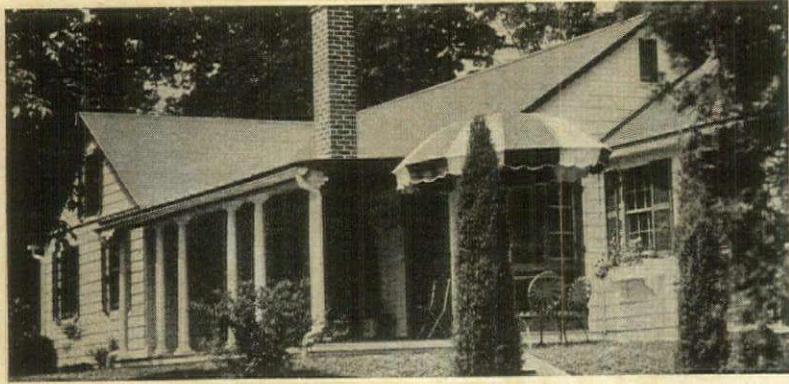
KOHLER OF KOHLER PLANNED PLUMBING AND HEATING



Please send me your beautiful 24-page booklet, in 4 handsome colors, containing new plans and color schemes for bathrooms and kitchens. Address: Kohler Co., Dept. 3-P-9, Kohler, Wisconsin.

- I EXPECT TO BUILD A HOUSE
 I EXPECT TO REMODEL

Name.....
Address.....



DIARY OF BUILDING A HODGSON PREFABRICATED HOUSE

FIRST WEEK

Choose your plan from an early-American Hodgson design, or plan the house your own way with the help of our Architectural Staff. Settle upon price and date of occupancy—both will be final.

END OF FIRST WEEK

House has been delivered in completely finished sections. Walls and roof of well-seasoned cedar. Floors and framework of Oregon pine. The outside is protected with three coats of paint, the inside insulated for warmth and beauty. Rustless hardware attached. Plenty of closet space.

END OF SECOND WEEK

Everything going smoothly. Local labor quickly assembling the house (under a Hodgson foreman if you wish). No damage to surrounding grounds and shrubbery.

END OF THIRD WEEK

House finished, as promised. A happy house-warming and a lifetime of weather-proof comfort. Extra rooms can be easily added at any time.

• Every Hodgson House is backed by over forty years of prefabrication experience. Delivered anywhere. Visit the furnished Hodgson exhibits: indoors at New York and Boston; outdoors at Dover, Mass. Also prefabricated camp houses, kennels, playhouses, garages, greenhouses, etc. Write for Catalog GW-9.

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E. F. HODGSON CO., PIONEERS IN PREFABRICATION

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Simple Or Complicated Home Heating

(Which do you want?)

1. Do you want the basement free from heating ducts?
2. Do you want your walls free from cut-outs for grilles and your floors free from registers?
3. Do you want radiators that are so made, they can be in the room and still be entirely out of it?
4. Do you want air conditioning, provided it costs less than any system you have heard about so far?

These are but four things that are important. How about all the rest that you want to be sure of having or not having? There's radiant and convected heat, for instance.

Your heating and air conditioning can be complicated. Or very simple. The Burnham is the simpler way. Cost is less. Results are equal to any. Send for this Home Heating Helps Book. Get full facts. See for yourself.

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of the United States and Canada

Burnham Boiler



THE BOOKSHELF

(CONTINUED FROM PAGE 47)

book. Nor has the word "Romance" in the title been used carelessly. It fulfills its promise. From the work of the Egyptians to our own 20th Century, the writer delights us with that human touch which makes olden days pass in vital review. Edwin Arnold used the same rare magic in his "Lines to an Egyptian Slipper," but Arnold was a poet and we expect as much of him. That Cleopatra's garments were "all silk," as the author affirms, we can easily believe in recalling her lightly clad figure in bas-relief on the walls of the Temple of Luxor—if memory does not fail. Alexander was there, at all events, though we made no mental note of the fabric of his costume.

The illustrations in this book are altogether delightful too. It is hard to lay the book aside. Again and again the pictures draw us back. "There is a story in each pattern, for every bit of ornamentation is a symbol of something, and each symbol is a record of history or experience." The "long-eared hare" on the Coptic tapestry, and the "carefully modeled vari-colored fish" on the tapestry from Crete certainly show intimate experience with creatures of the wood and the stream. "Ornament has served as an expression of life." The author's choice of illustrations makes this clear. "The development of pattern corresponds to the growth of civilization out of barbarism, for progress has ever been one of the guiding factors." This progress is traced, oh so pleasantly!—through the silks of China. And here we are reminded of what Marco Polo saw at the Court of Kublai Khan and the 20,000 silk dresses he presented to his nobles and military officers as a special birthday celebration—the garments not to be renewed for ten years.

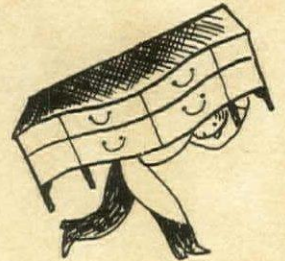
We should like to linger with "Cotton in India," and with "The Fabrics and Patterns of Persia," with those "Coptic and Peruvian Textiles," which provoke the imagination, with what the Byzantines and the Mohammedans did in Spain and in Italy,—oh those delectable *jardinière* velvets of the Renaissance—the "Cloth of Gold" of King Hal of England and Francis of France, to be bravely fought for and bloodily won, and presented to one's Lady-love to make a gorgeous gown.

Lyons is a temptation in itself, but no less is our own baronial estate at South Manchester, Connecticut, where silk-weaving of unsurpassed magnificence has been a matter of family pride with the Cheneys for a full one hundred years.

Chintzes and toiles are touched on lightly, all too lightly to satisfy our own insatiable appetite for these lovely things. But the work of the "modernistic" designer—the term is our own—is given a full presentation. This with "A Glossary of Weaving" and—dare we say a perfect "Index,"—and you have a most satisfactory and comprehensive book, and what strikes us personally as the whale of an accomplishment.

Miss Lewis is a lecturer at The New York School of Interior Decoration, The Metropolitan Museum, and the New York University.

c. c. c.



Highlights of October House & Garden

SECTION I

FALL GARDENING—Expert articles on present planting for future glory.

COMPETITION HOUSES—Plans and photographs of outstanding houses submitted in House & Garden's Competition in Architecture, 1938.

SOUTHERN SHORES—An 8-page travel section full of new ideas for fall and winter wanderings.

SHADES OF AUTUMN—Wallpapers and fabrics, fresh from the designers' easels, shown in full color.

PORTFOLIO OF INTERIORS—Including House & Garden's "Portrait" Bedroom.

SECTION II

A complete Homefurnishings Manual, divided into four main classifications:

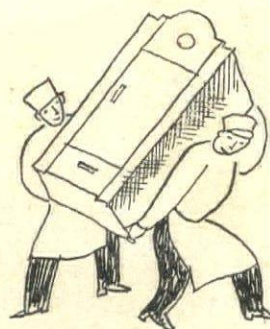
NEW FURNITURE—Chosen for excellence of design and good workmanship at moderate cost.

DECORATION—With suggested schemes, showing new draperies, rugs, lamps, and other accessories.

TABLE SETTINGS—A round-up of the best new china, glassware, silver, and table linen.

MANAGEMENT—With hints on running a home, together with latest mechanical conveniences, and smart accessories.

For Brides on a Budget, House & Garden shows a "minimum essentials" group in each of the above classifications.



New Homefurnishings

are on Their Way

In the pages of its October Double Number, House & Garden is bringing you the homefurnishings Scoop-of-the-Season . . . the outstanding collection of new home fittings for Autumn, 1938.

You'll see the pick of the furniture crop—pieces that mark a new achievement in good style at moderate prices. You'll see new wallpapers, floor coverings, and fabrics that invade fresh fields of color and design. You'll see silver, china, glassware, linens—more enticing than ever before. You'll gain decorating ideas galore for every room in your house.

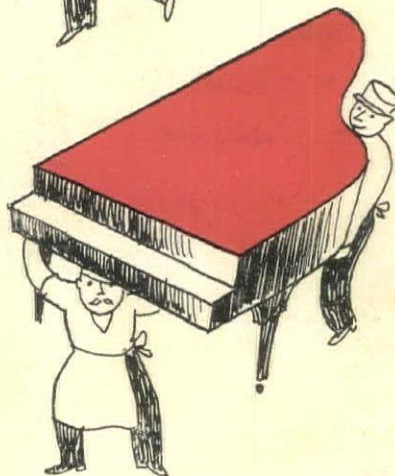
Hundreds of Stores to Cooperate

Not only will you see this complete collection in the pages of the magazine, but you'll also be able to examine the actual products themselves. House & Garden has invited the country's foremost stores to join with it in making a nation-wide presentation of these Autumn homefurnishings . . . to be called "Merchandise of Merit" Month. You'll find a complete list of the participating stores in October House & Garden. In the displays, which will be opened to the public on September 20th, stores from coast to coast will exhibit the furnishings featured by House & Garden as representative of America's best modern craftsmanship and design.

Watch for October House & Garden

Whether you're planning to furnish from scratch, or are merely looking for additions to your present goods and chattels, you'll want this fascinating homefurnishings issue. It's a Double Number, of course—no single issue could accommodate so much exciting news, so many illustrations, or such a wealth of valuable information.

The First Section of this Double Number contains all of House & Garden's regular features; it's a complete magazine in itself. The Second Section—the Manual for Home and Bride—is a stimulating guide to furnishing a home, from living-room to linen closets. Glance at the contents of this issue in the column on the left and then you'll know how important it is for you to reserve your copy of October House & Garden at your news-stand without delay.



House & Garden's OCTOBER Double Number

Sep 6 '38

Sep 9 '38

Jan 26 '39

Sep 23 '38

Sep 30 '38

Oct 21 '38

Jan 25 '39

Jan 27 '39

It's *EASY* to Make Rooms Beautiful with these New Types of *GLASS*



*Carrara Structural Glass
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in home decoration*

COLOR, polished beauty, permanence and easy cleaning . . . that's what Carrara Structural Glass gives your rooms. Lots of daylight, cheerfulness, crystalline loveliness and lower heating cost . . . that's the contribution of PC Glass Blocks to the home. Using these two outstanding glass products, possibilities for home improvement are almost limitless, whether you are building a new home or remodeling an old one. Consult your architect about the scores of effective ways to use these new types of glass.

We have prepared for you a profusely illustrated book called "Home-Beauty with PC Glass," which we are confident you will find interesting and helpful. Write for your free copy to Pittsburgh Corning Corporation, 2344-A Grant Bldg., Pittsburgh, Pa., makers of Carrara Structural Glass and PC Glass Blocks.

Distributed by
PITTSBURGH PLATE GLASS COMPANY
and by W. P. Fuller & Co. on the Pacific Coast

*Glass
Blocks*



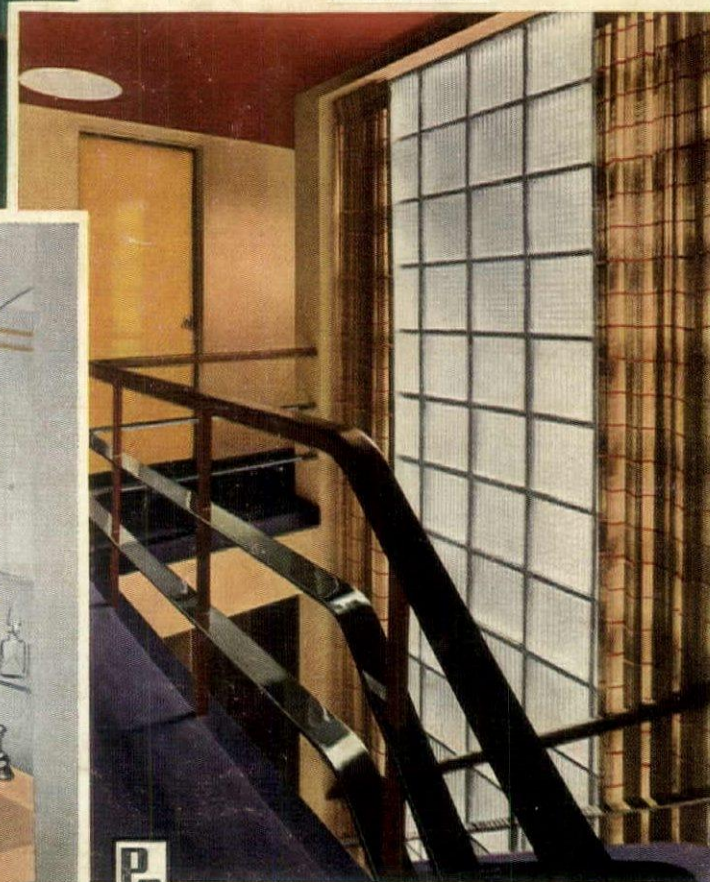
*Carrara
Glass*



GLASS WEAVES A SPELL of loveliness in this charming room. PC Glass Blocks flank the mirror with crystal, while Carrara Glass walls of Ivory, Forest Green and White create a harmony in glass that any home-loving lady can be proud of. Wouldn't you like to have a room like this in your house?



CARRARA STRUCTURAL GLASS makes bathrooms beautiful. It also keeps them that way . . . because Carrara will not fade, check, craze, stain or absorb odors. And it's easy to clean with a damp cloth. Here, an attractive combination of Gray Carrara with Beige trim is used.



GLASS BLOCKS admit lots of light to stairwells, making stairs safer, interiors more cheerful. This is how architects Fordyce & Hamby & George Nelson used PC Argus pattern blocks in a home in Scarsdale, N. Y.